

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062218\
 Data File : VD058300.D
 Acq On : 22 Jun 2018 16:57
 Operator : VA/AP
 Sample : J3663-03MS
 Misc : 5.60g/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-13-15-180618MS

Manual Integrations
 APPROVED

apatel
 6/24/2018 11:57:04 AM

Quant Time: Jun 22 22:59:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	491538	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	681720	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	569045	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	303883	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.01	65	320372	64.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	129.06%	
35) Dibromofluoromethane	5.55	113	330583	59.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.16%	
50) Toluene-d8	8.70	98	743557	55.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.78%	
62) 4-Bromofluorobenzene	11.93	95	325652	59.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.34	85	417989	94.68	ug/l	98
3) Chloromethane	1.48	50	205748	100.30	ug/l	100
4) Vinyl Chloride	1.55	62	224986	87.38	ug/l	99
5) Bromomethane	1.80	94	96002	Below	Cal	95
6) Chloroethane	1.88	64	108273	Below	Cal	98
7) Trichlorofluoromethane	2.08	101	338261	95.81	ug/l	94
8) Diethyl Ether	2.34	74	63250	84.70	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.55	101	201543	89.80	ug/l	91
10) Methyl Iodide	2.69	142	240613	94.25	ug/l #	94
11) Tert butyl alcohol	3.26	59	63594	388.36	ug/l #	75
12) 1,1-Dichloroethene	2.55	96	144888	85.80	ug/l	97
13) Acrolein	2.47	56	17924	191.74	ug/l	92
14) Allyl chloride	2.92	41	338791	86.20	ug/l #	96
15) Acrylonitrile	3.35	53	150097m	345.69	ug/l	
16) Acetone	2.61	43	772833	1138.21	ug/l	94
17) Carbon Disulfide	2.75	76	447697	77.92	ug/l	97
18) Methyl Acetate	2.93	43	101806	70.31	ug/l	99
19) Methyl tert-butyl Ether	3.41	73	474919	106.03	ug/l	99
20) Methylene Chloride	3.07	84	162899	96.31	ug/l	98
21) trans-1,2-Dichloroethene	3.38	96	187140	101.40	ug/l	91
22) Diisopropyl ether	4.06	45	1333479	85.42	ug/l	95
23) Vinyl Acetate	4.01	43	3335508	398.60	ug/l	100
24) 1,1-Dichloroethane	3.97	63	769224	91.47	ug/l	98
25) 2-Butanone	4.83	43	948846	641.17	ug/l	99
26) 2,2-Dichloropropane	4.79	77	647990	92.02	ug/l	97
27) cis-1,2-Dichloroethene	4.80	96	623706	135.24	ug/l	98
28) Bromochloromethane	5.15	49	314784	83.50	ug/l #	94
29) Tetrahydrofuran	5.19	42	266812	338.72	ug/l	98
30) Chloroform	5.31	83	790754	89.06	ug/l	97
31) Cyclohexane	5.59	56	545368	93.91	ug/l	98
32) 1,1,1-Trichloroethane	5.51	97	653107	89.03	ug/l	98
36) 1,1-Dichloropropene	5.74	75	538473	79.84	ug/l	97
37) Ethyl Acetate	4.92	43	272792	70.99	ug/l	97
38) Carbon Tetrachloride	5.72	117	542435	80.95	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	497689	75.77	ug/l	98
40) Benzene	6.01	78	1363968	84.90	ug/l	99
41) Methacrylonitrile	5.12	41	131970	71.13	ug/l	96
42) 1,2-Dichloroethane	6.12	62	511946	79.03	ug/l	100
43) Isopropyl Acetate	7.62	43	353681	69.04	ug/l	99
44) Trichloroethene	6.98	130	399766	82.87	ug/l	100
45) 1,2-Dichloropropane	7.34	63	358883	82.95	ug/l	97
46) Dibromomethane	7.46	93	226559	76.71	ug/l	99
47) Bromodichloromethane	7.74	83	576250	85.56	ug/l	98
48) Methyl methacrylate	7.50	41	213950	68.72	ug/l	99
49) 1,4-Dioxane	7.48	88	42236	1502.80	ug/l #	75
51) 4-Methyl-2-Pentanone	8.59	43	1589362	475.65	ug/l	100
52) Toluene	8.80	92	805981	88.11	ug/l	99
53) t-1,3-Dichloropropene	9.18	75	452377	77.25	ug/l	99
54) cis-1,3-Dichloropropene	8.36	75	561046	81.73	ug/l	98
55) 1,1,2-Trichloroethane	9.45	97	245181	75.76	ug/l	97
56) Ethyl methacrylate	9.31	69	273869	70.76	ug/l	96
57) 1,3-Dichloropropane	9.66	76	418666	76.80	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.19	63	694542	362.47	ug/l	96
59) 2-Hexanone	9.78	43	928967	384.75	ug/l	98
60) Dibromochloromethane	9.95	129	349003	79.46	ug/l	94
61) 1,2-Dibromoethane	10.09	107	275005	77.64	ug/l	99
64) Tetrachloroethene	9.51	164	382203	79.82	ug/l	96
65) Chlorobenzene	10.72	112	2437180	228.97	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.85	131	310405	75.57	ug/l	98
67) Ethyl Benzene	10.86	91	1462097	77.80	ug/l	100
68) m/p-Xylenes	11.00	106	1020514	162.85	ug/l	96
69) o-Xylene	11.41	106	468505	78.28	ug/l	96
70) Styrene	11.43	104	783906	76.75	ug/l	97
71) Bromoform	11.59	173	238622	72.82	ug/l	98
73) Isopropylbenzene	11.77	105	1340476	73.75	ug/l	100
74) N-amyl acetate	11.64	43	487853	69.41	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.08	83	285776	67.56	ug/l	98
76) 1,2,3-Trichloropropane	12.11	75	292144	65.85	ug/l	100
77) Bromobenzene	12.04	156	419918	77.15	ug/l	88
78) n-propylbenzene	12.16	91	1807027	76.98	ug/l	99
79) 2-Chlorotoluene	12.21	91	1030978	76.75	ug/l	98
80) 1,3,5-Trimethylbenzene	12.31	105	1180604	83.27	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.84	75	73379	67.81	ug/l	91
82) 4-Chlorotoluene	12.32	91	1127796	90.57	ug/l	91
83) tert-Butylbenzene	12.58	119	1245737	76.43	ug/l	94
84) 1,2,4-Trimethylbenzene	12.63	105	1558960	101.16	ug/l	100
85) sec-Butylbenzene	12.76	105	1337258	69.99	ug/l	97
86) p-Isopropyltoluene	12.88	119	1164059	75.19	ug/l	98
87) 1,3-Dichlorobenzene	12.84	146	1344001	142.07	ug/l	100
88) 1,4-Dichlorobenzene	12.92	146	1942350	210.25	ug/l	94
89) n-Butylbenzene	13.19	91	582479	35.80	ug/l	96
90) Hexachloroethane	13.40	117	308770	76.84	ug/l	74
91) 1,2-Dichlorobenzene	13.20	146	5944350	738.36	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.77	75	48306	71.76	ug/l	70

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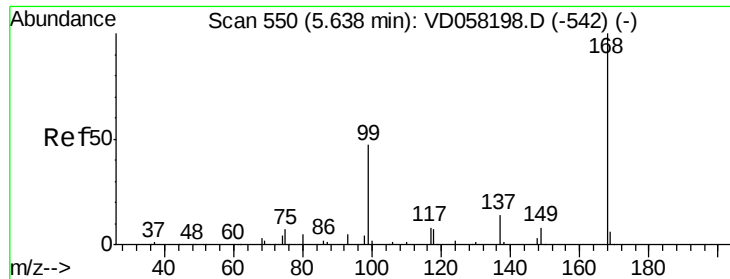
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	569031	73.90	µg/l	97
94) Hexachlorobutadiene	14.43	225	416089	69.09	µg/l	98
95) Naphthalene	14.52	128	1022747	100.84	µg/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	451484	66.98	µg/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 550

Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MS

Tot Ion: 168 Resp: 491538

Ion Ratio Lower Upper

168 100

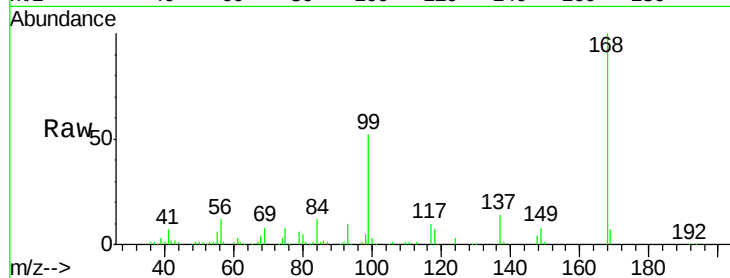
99 52.0 41.1 61.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.64

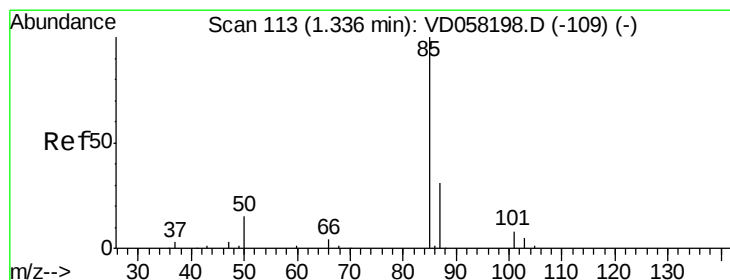
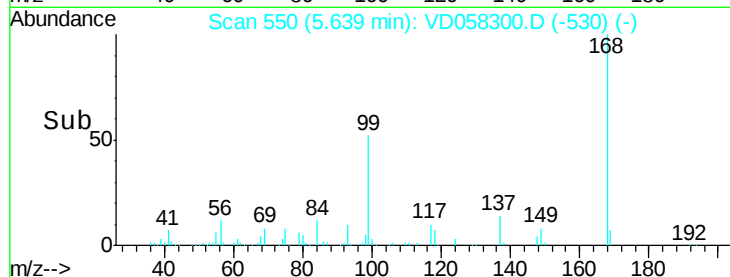
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 94.68 ug/l

RT: 1.34 min Scan# 113

Delta R.T. 0.00 min

Lab File: VD058300.D

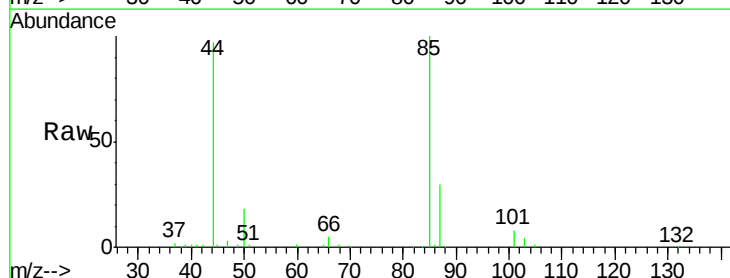
Acq: 22 Jun 2018 16:57

Tgt Ion: 85 Resp: 417989

Ion Ratio Lower Upper

85 100

87 30.3 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.34

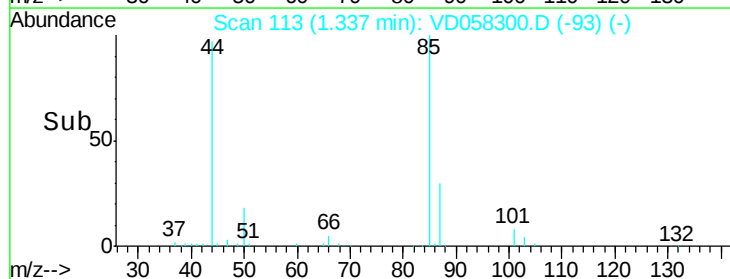
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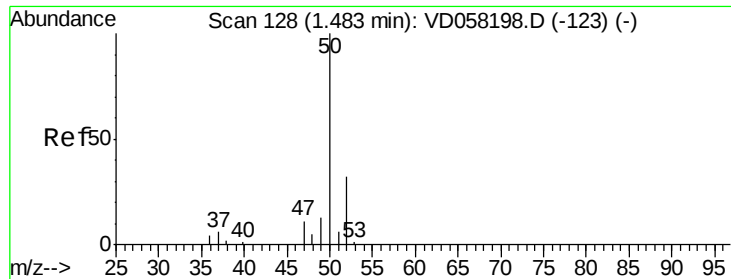
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50000

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Time-->





#3

Chloromethane

Concen: 100.30 ug/l

RT: 1.48 min Scan# 128

Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MS

Tot Ion: 50 Resp: 205748

Ion Ratio Lower Upper

50 100

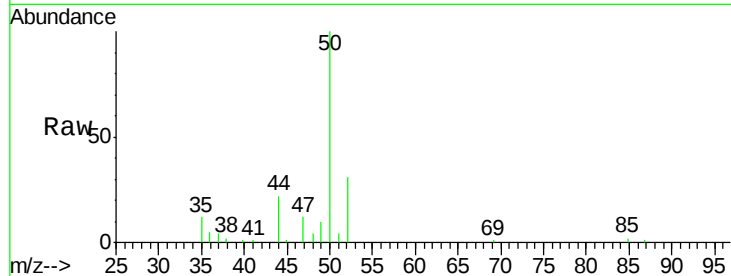
52 31.1 25.0 37.4

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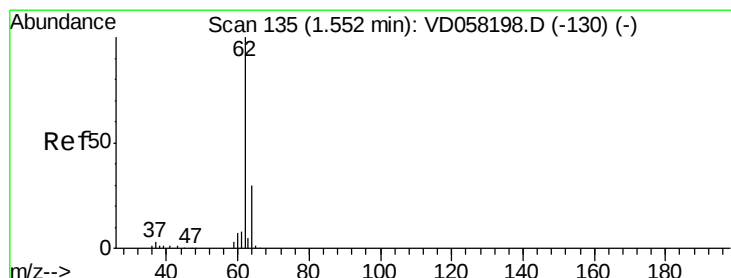
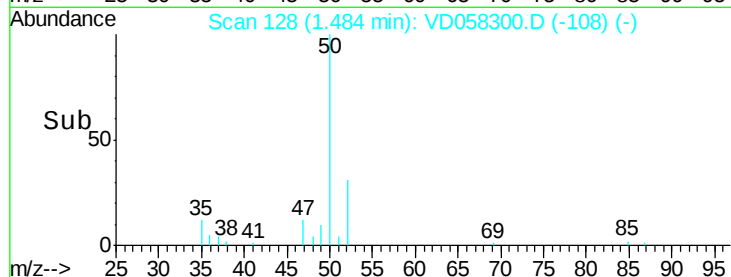
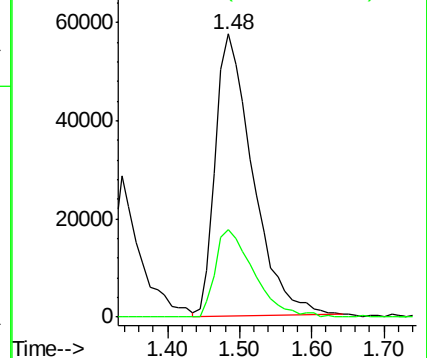
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 87.38 ug/l

RT: 1.55 min Scan# 135

Delta R.T. 0.00 min

Lab File: VD058300.D

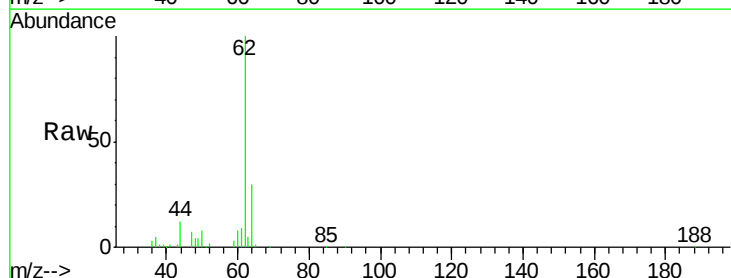
Acq: 22 Jun 2018 16:57

Tgt Ion: 62 Resp: 224986

Ion Ratio Lower Upper

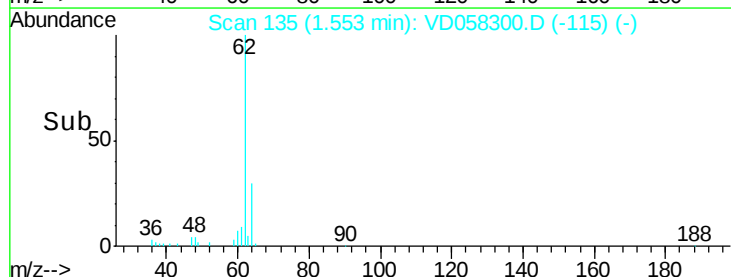
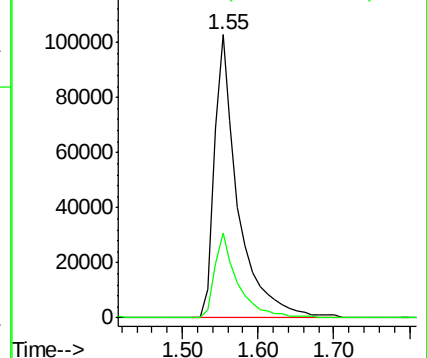
62 100

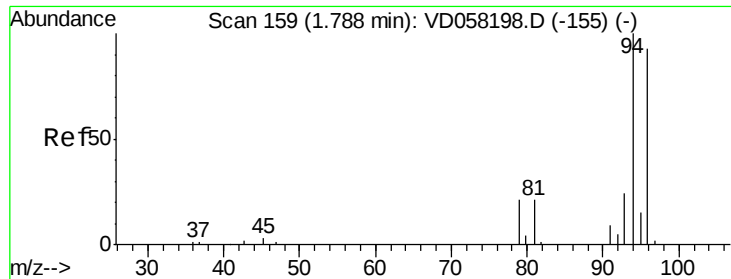
64 29.8 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: Below Cal

RT: 1.80 min Scan# 160

Delta R.T. 0.01 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

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Tot Ion: 94 Resp: 96002

Ion Ratio Lower Upper

94 100

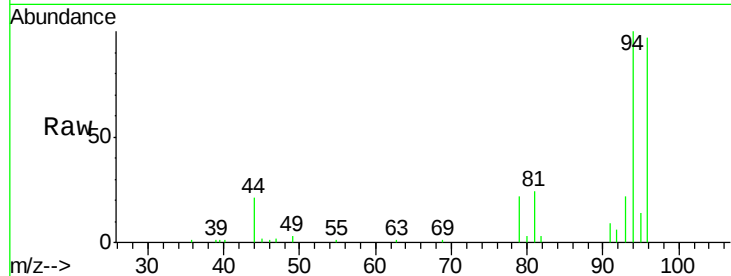
96 97.2 74.2 111.2

Manual Integrations

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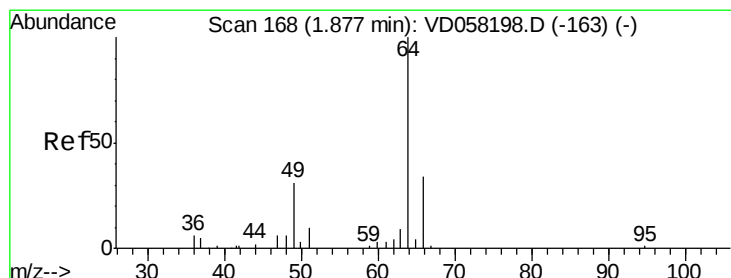
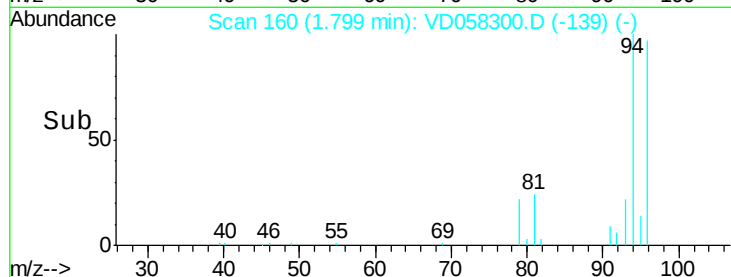
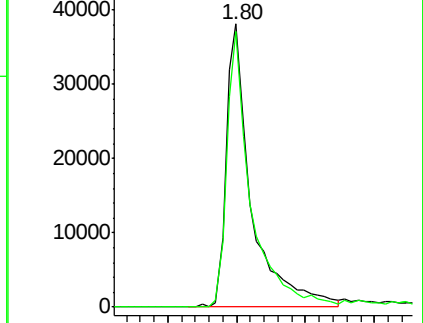
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: Below Cal

RT: 1.88 min Scan# 168

Delta R.T. 0.00 min

Lab File: VD058300.D

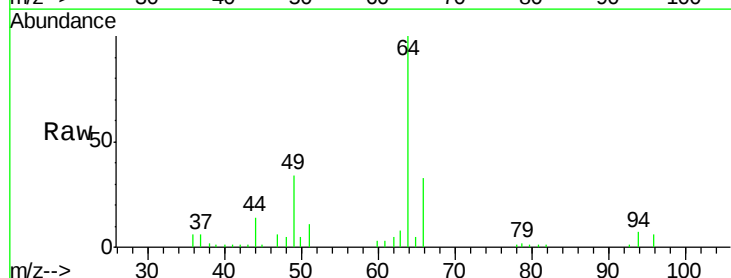
Acq: 22 Jun 2018 16:57

Tgt Ion: 64 Resp: 108273

Ion Ratio Lower Upper

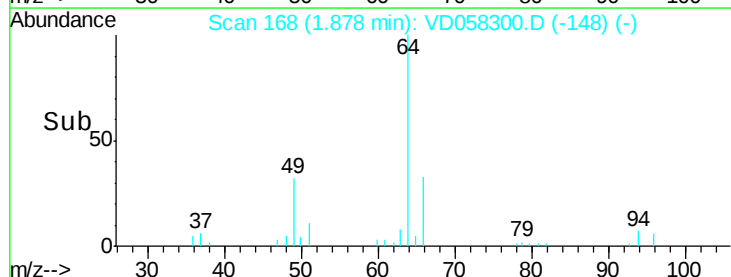
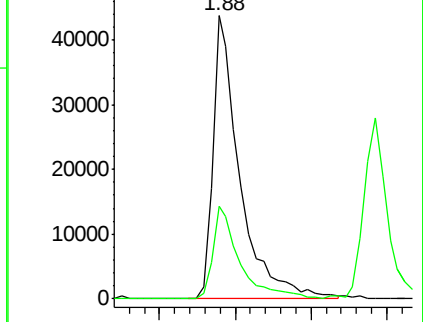
64 100

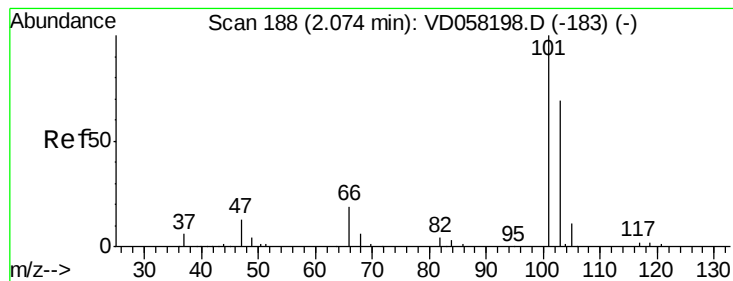
66 33.0 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 95.81 ug/l

RT: 2.08 min Scan# 189

Delta R.T. 0.01 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Tot Ion: 101 Resp: 338261

Ion Ratio Lower Upper

101 100

103 64.2 55.1 82.7

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ClientSampleId :

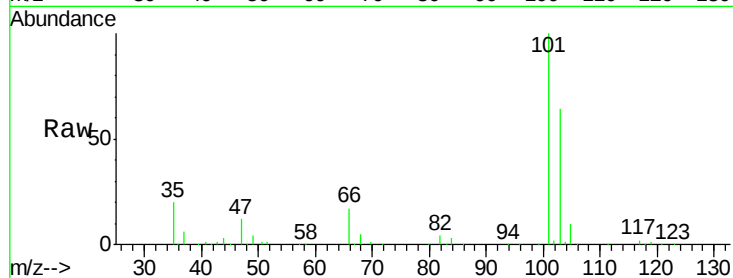
WP021SB472-13-15-180618MS

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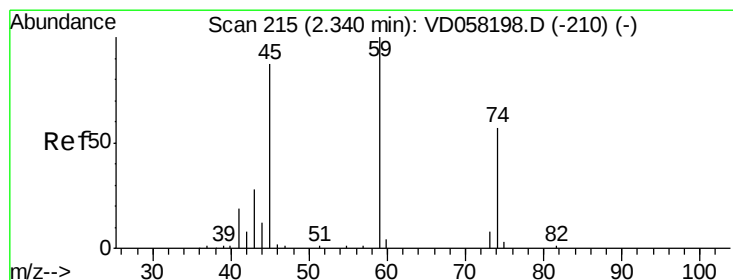
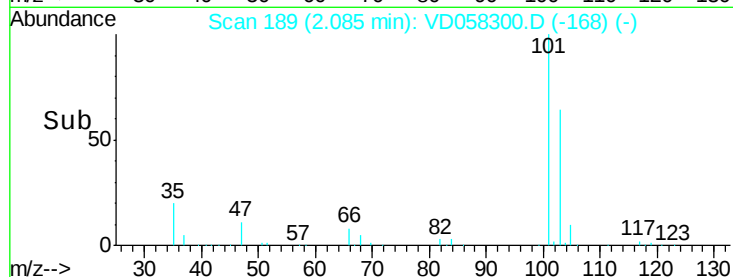
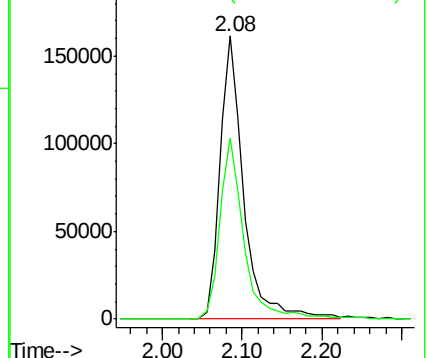
apatel

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Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 84.70 ug/l

RT: 2.34 min Scan# 215

Delta R.T. 0.00 min

Lab File: VD058300.D

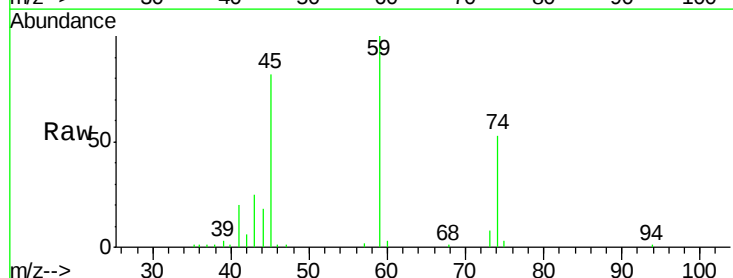
Acq: 22 Jun 2018 16:57

Tgt Ion: 74 Resp: 63250

Ion Ratio Lower Upper

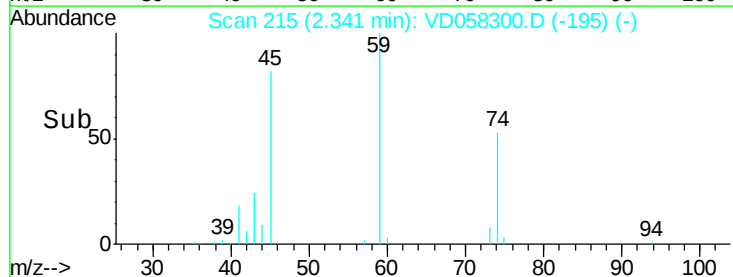
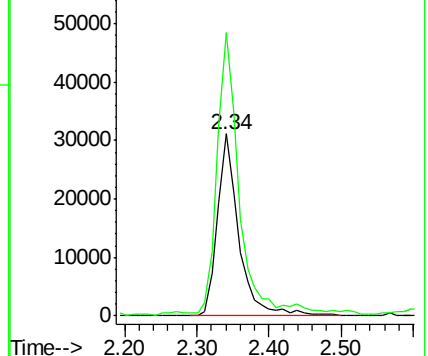
74 100

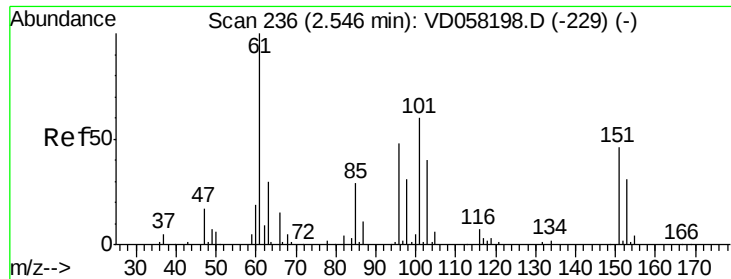
45 155.8 77.5 232.6



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 89.80 ug/l

RT: 2.55 min Scan# 236

Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

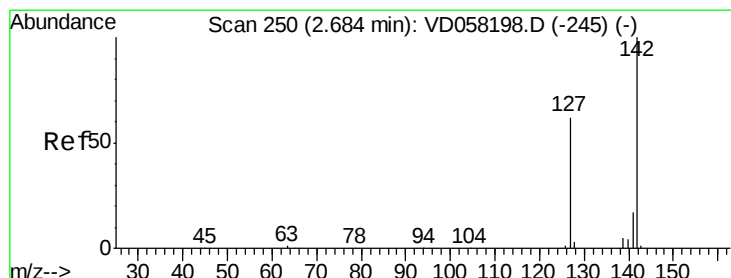
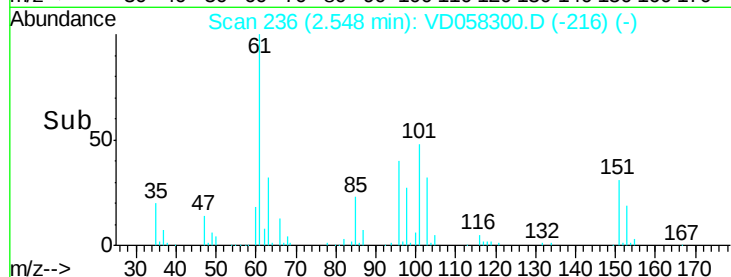
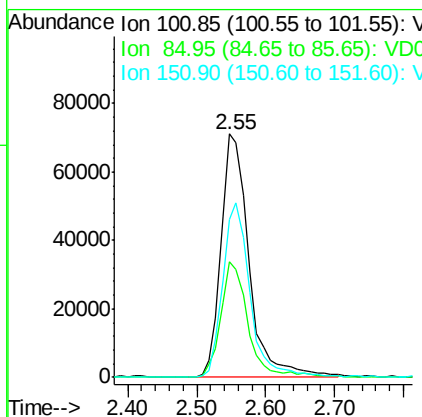
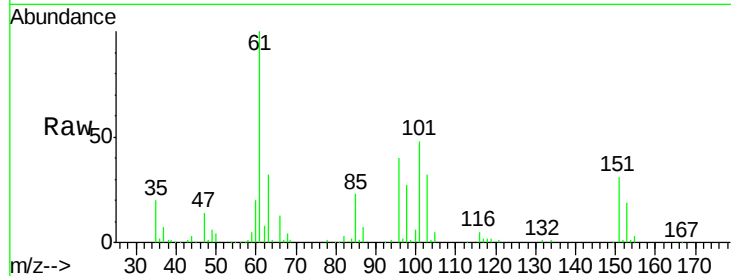
ClientSampleId :

WP021SB472-13-15-180618MS

Tot Ion:	101	Resp:	201543
Ion Ratio	Lower	Upper	
101	100		
85	47.7	39.0	58.4
151	64.7	61.8	92.8

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#10

Methyl Iodide

Concen: 94.25 ug/l

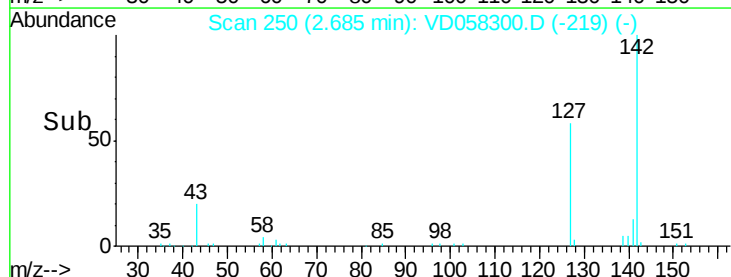
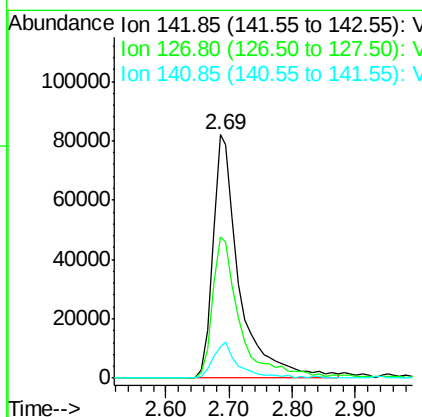
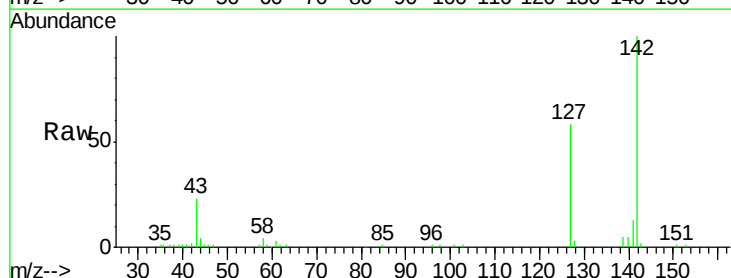
RT: 2.69 min Scan# 250

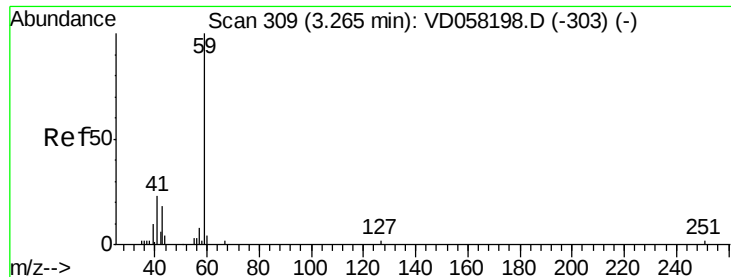
Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Tgt Ion:	142	Resp:	240613
Ion Ratio	Lower	Upper	
142	100		
127	58.0	49.4	74.0
141	12.6	13.5	20.3#





#11

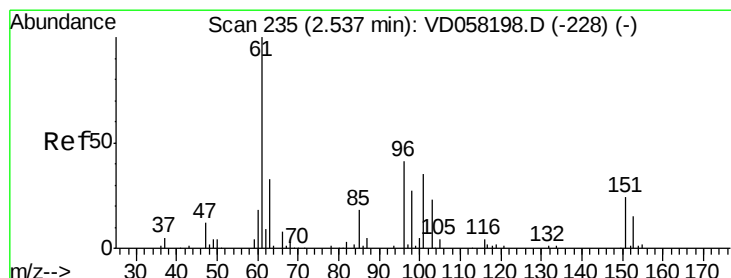
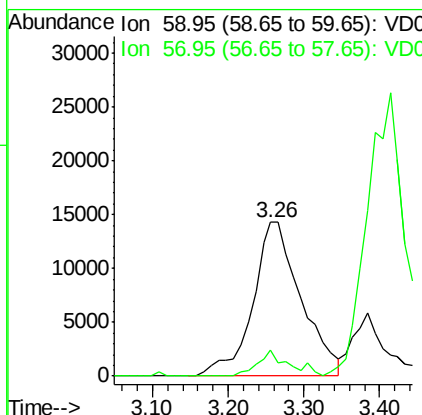
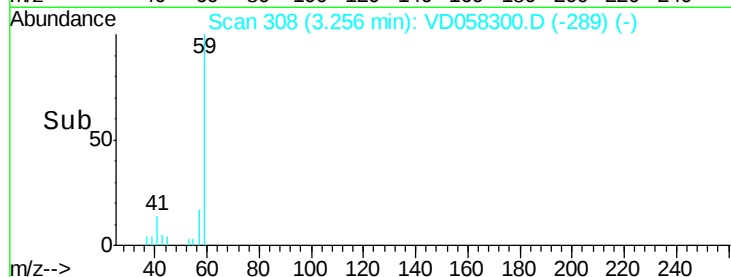
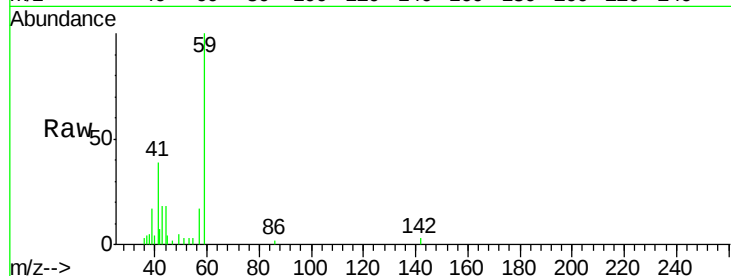
Tert butyl alcohol
Concen: 388.36 ug/l
RT: 3.26 min Scan# 308
Delta R.T. -0.01 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MS

Tot Ion: 59 Resp: 63594
Ion Ratio Lower Upper
59 100
57 16.6 6.2 9.4#

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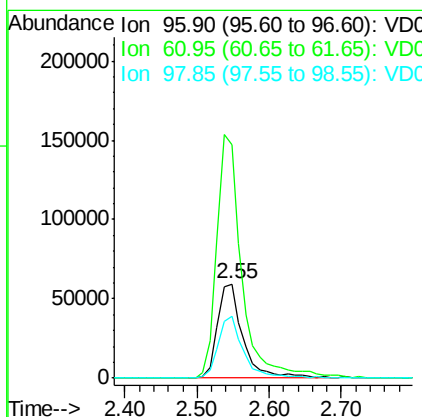
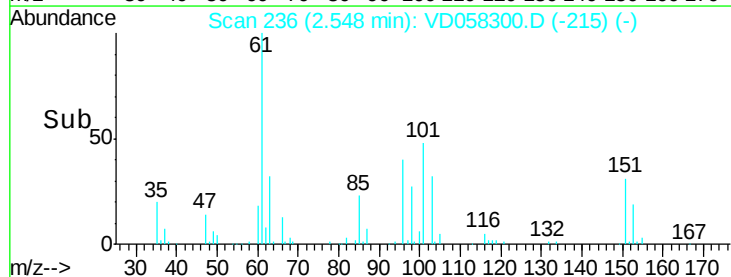
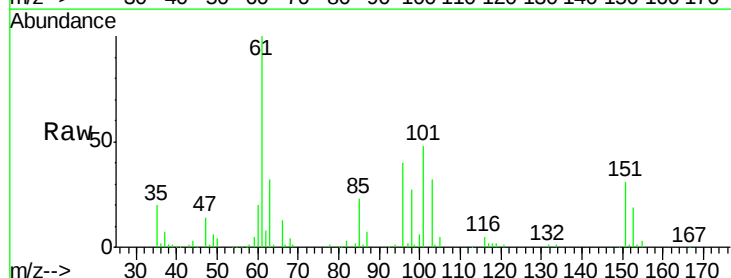
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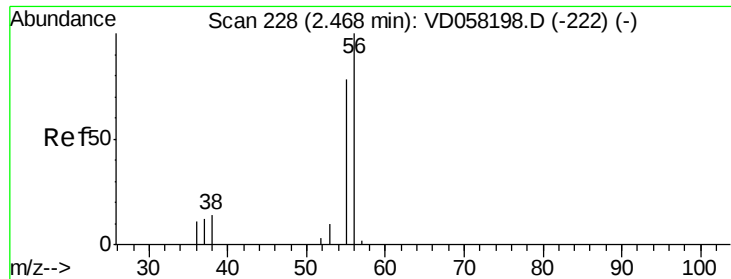


#12

1,1-Dichloroethene
Concen: 85.80 ug/l
RT: 2.55 min Scan# 236
Delta R.T. 0.01 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

Tgt Ion: 96 Resp: 144888
Ion Ratio Lower Upper
96 100
61 247.8 193.9 290.9
98 66.0 51.7 77.5





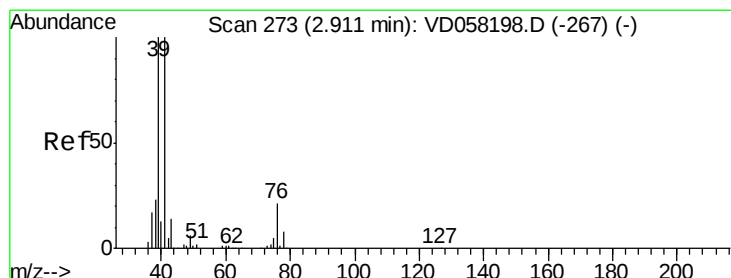
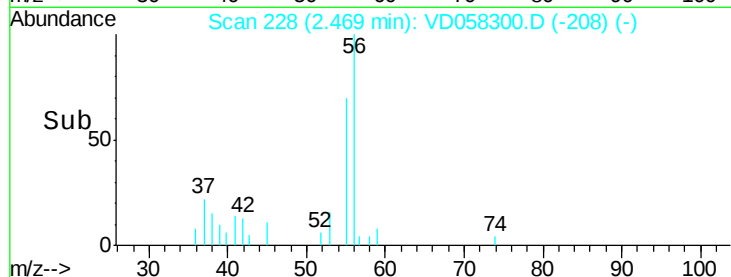
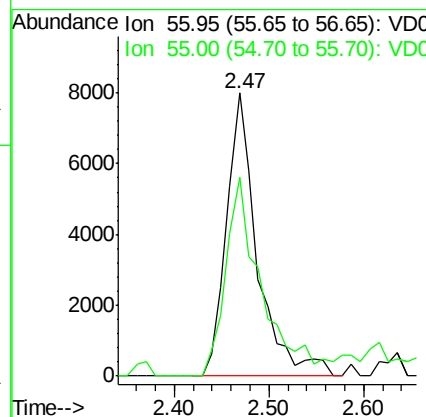
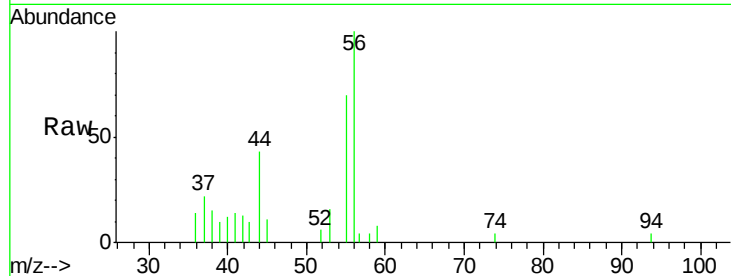
#13
Acrolein
Concen: 191.74 ug/l
RT: 2.47 min Scan# 228
Delta R.T. 0.00 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MS

Tot Ion: 56 Resp: 17924
Ion Ratio Lower Upper
56 100
55 70.3 62.1 93.1

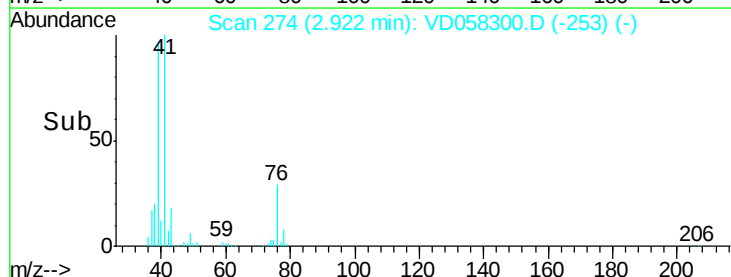
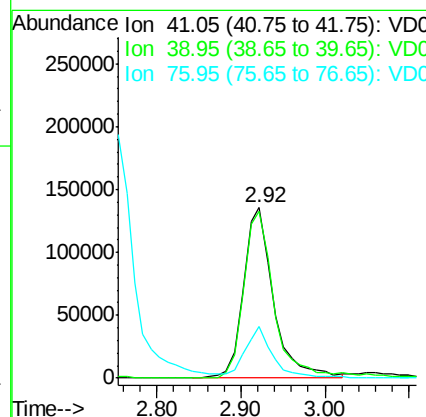
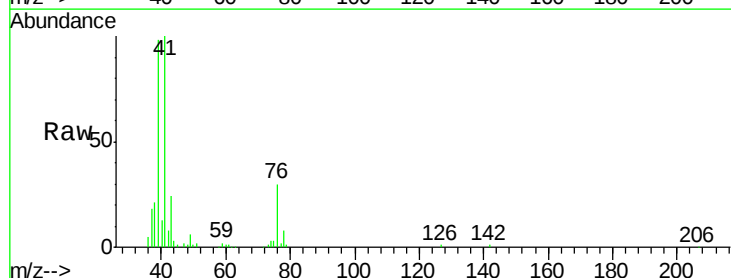
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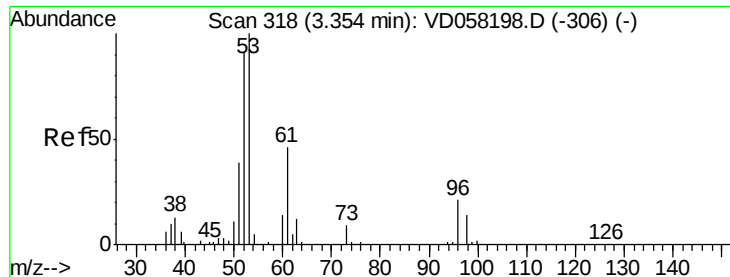
apatel
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#14
Allyl chloride
Concen: 86.20 ug/l
RT: 2.92 min Scan# 274
Delta R.T. 0.01 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

Tgt Ion: 41 Resp: 338791
Ion Ratio Lower Upper
41 100
39 97.8 80.1 120.1
76 29.9 19.4 29.2#





#15

Acrylonitrile

Concen: 345.69 ug/l m

RT: 3.35 min Scan# 318

Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

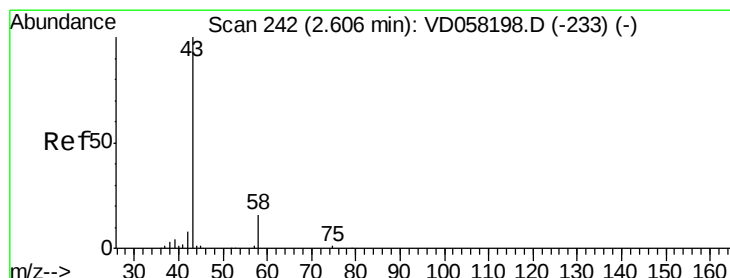
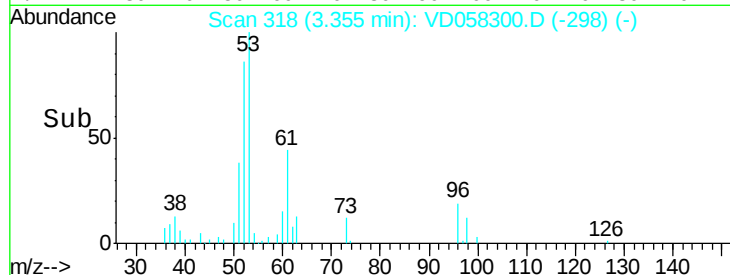
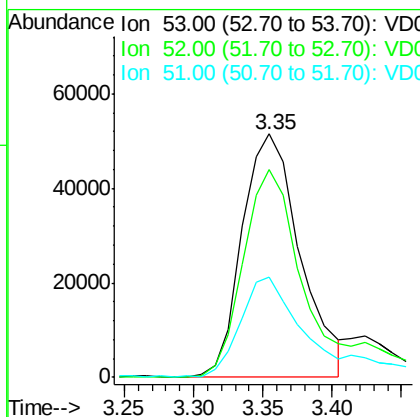
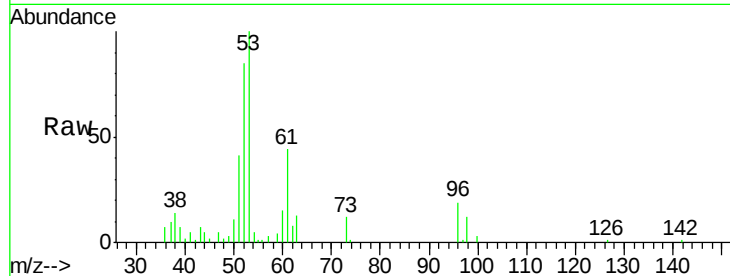
ClientSampleId :

WP021SB472-13-15-180618MS

Tot Ion:	53	Resp:	150097
Ion Ratio	Lower	Upper	
53	100		
52	85.2	72.6	108.8
51	41.2	32.2	48.4

Manual Integrations
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#16

Acetone

Concen: 1138.21 ug/l

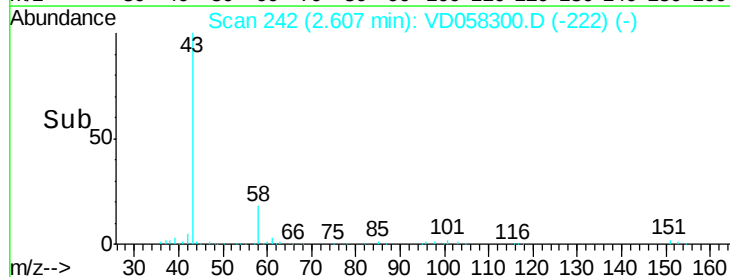
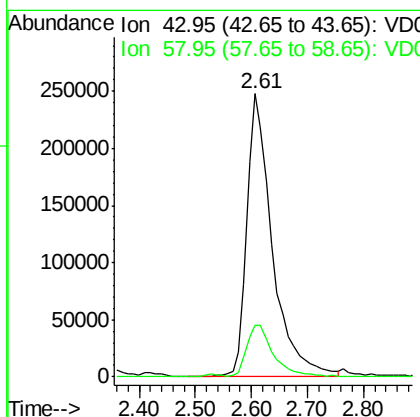
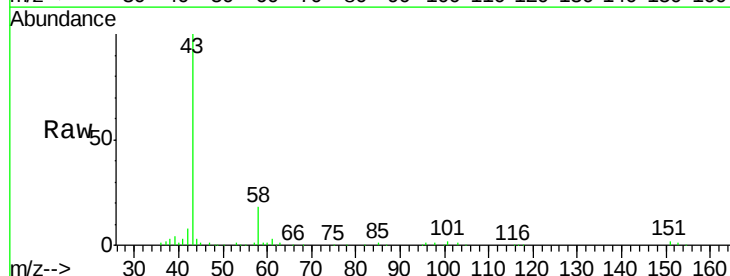
RT: 2.61 min Scan# 242

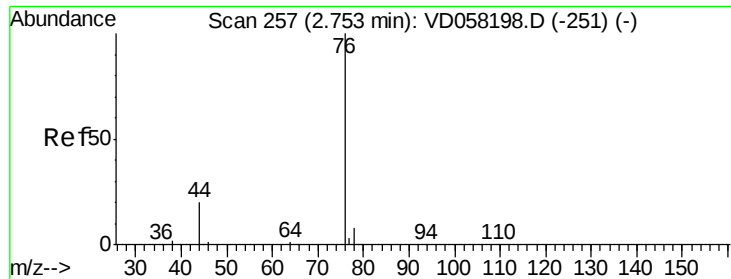
Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Tgt Ion:	43	Resp:	772833
Ion Ratio	Lower	Upper	
43	100		
58	18.5	12.7	19.1





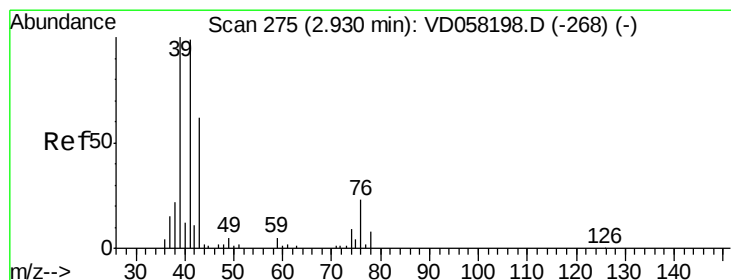
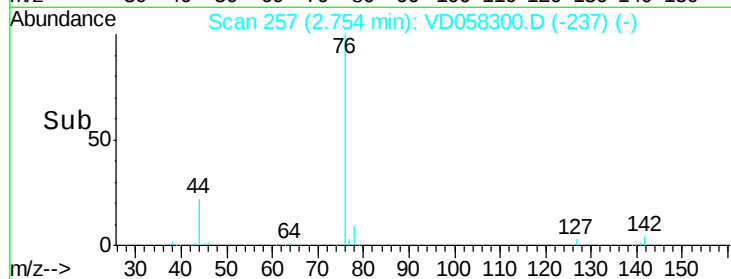
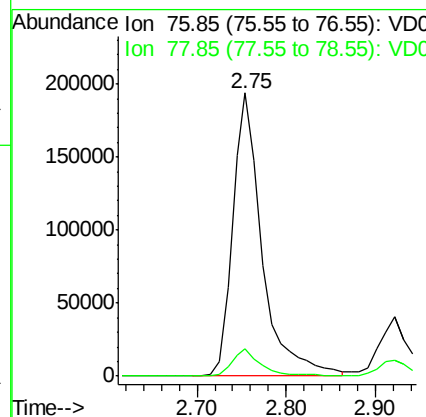
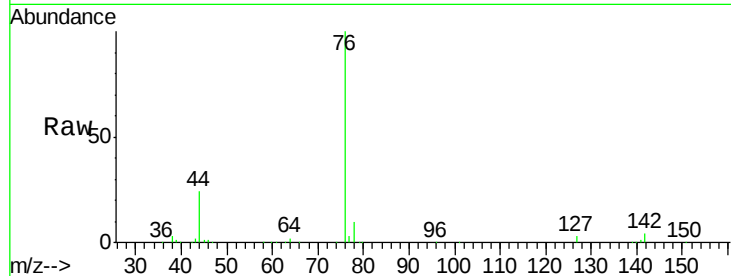
#17
Carbon Disulfide
Concen: 77.92 ug/l
RT: 2.75 min Scan# 257
Delta R.T. 0.00 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	6.8	10.2

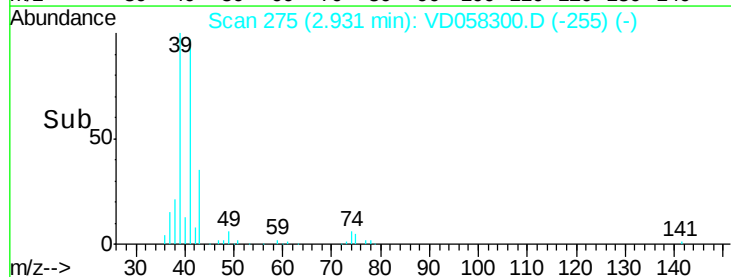
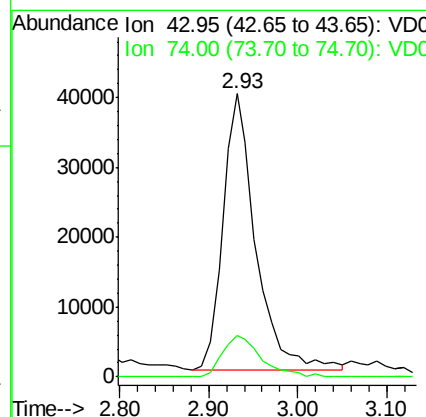
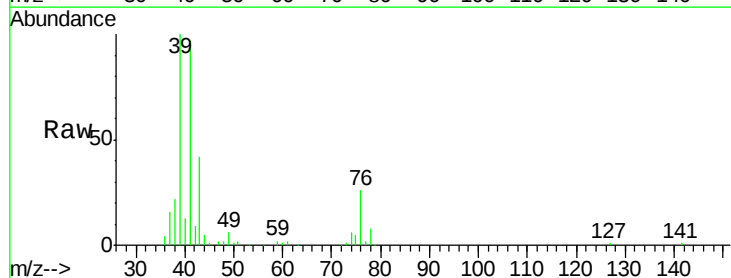
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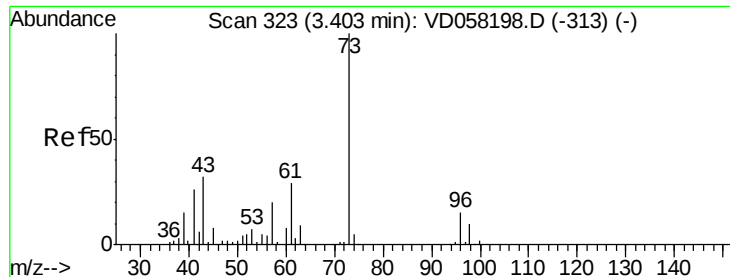
apatel
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#18
Methyl Acetate
Concen: 70.31 ug/l
RT: 2.93 min Scan# 275
Delta R.T. 0.00 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	14.9	11.7	17.5





#19

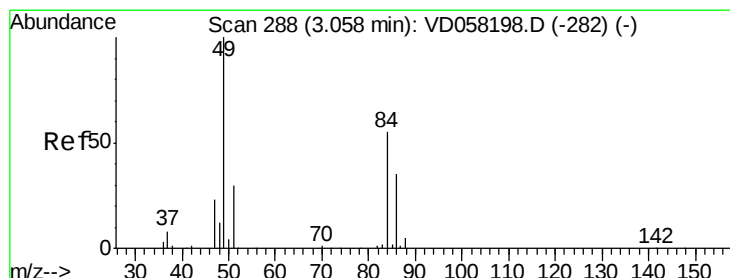
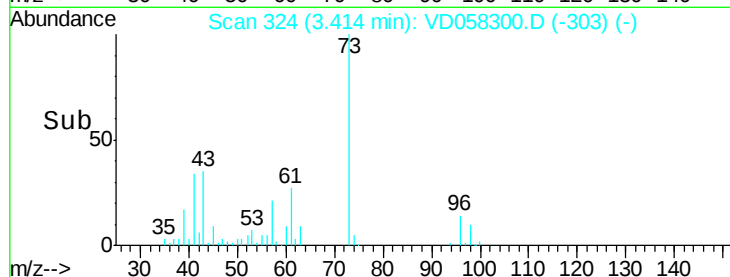
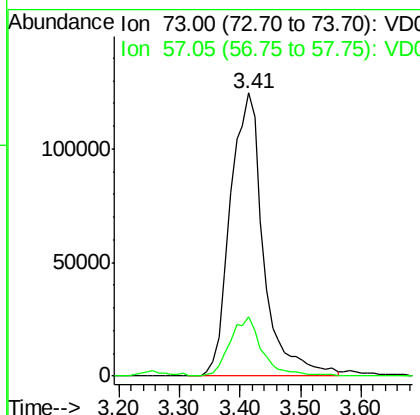
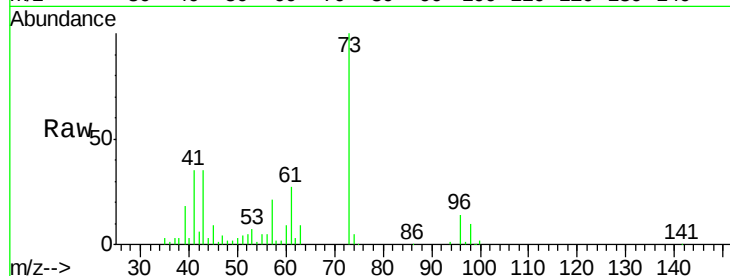
Methyl tert-butyl Ether
Concen: 106.03 ug/l
RT: 3.41 min Scan# 324
Delta R.T. 0.01 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.1	16.6	24.8

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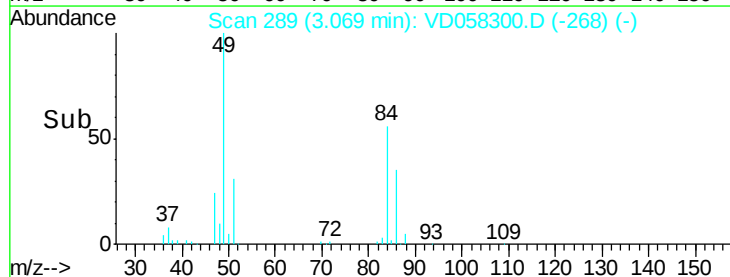
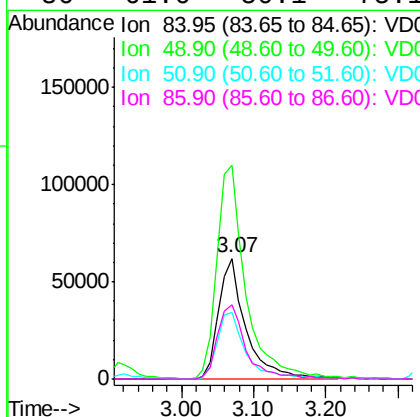
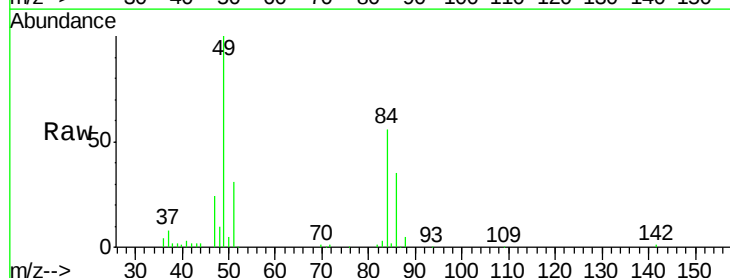
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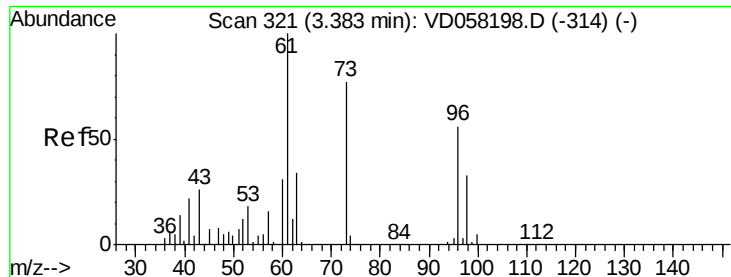


#20

Methylene Chloride
Concen: 96.31 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.01 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

Tgt Ion	Ratio	Lower	Upper
84	100		
49	177.1	145.0	217.6
51	55.2	42.9	64.3
86	61.6	50.1	75.1





#21

trans-1,2-Dichloroethene

Concen: 101.40 ug/l

RT: 3.38 min Scan# 321

Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

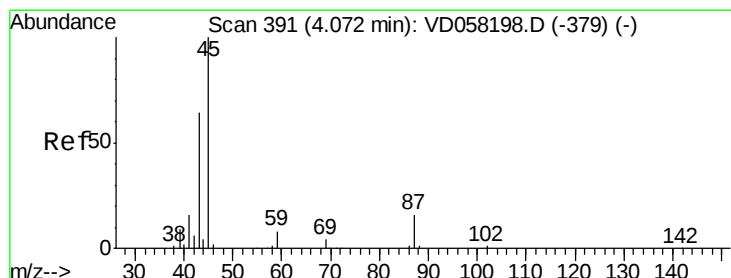
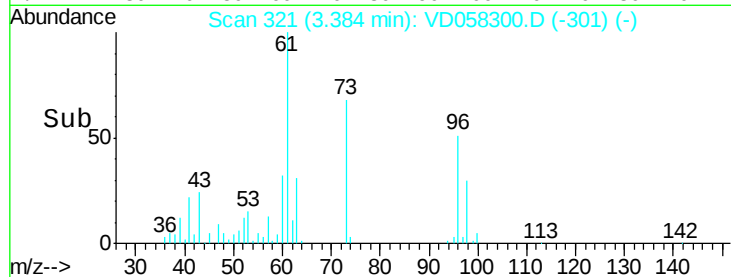
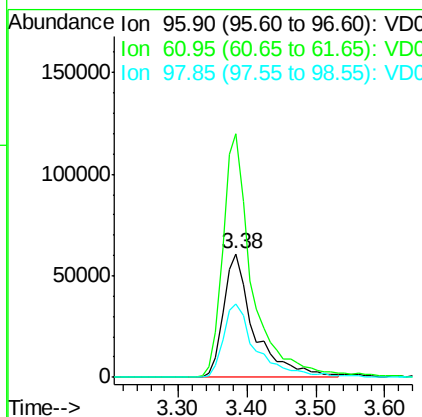
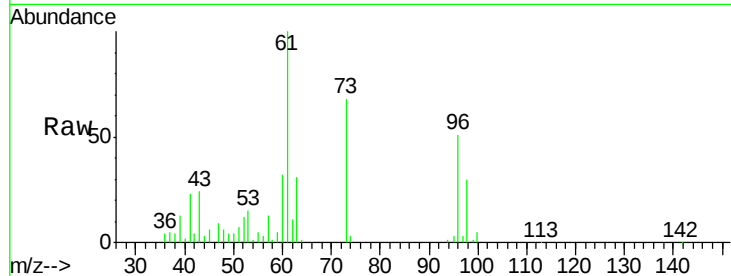
ClientSampleId :

WP021SB472-13-15-180618MS

Tot Ion:	96	Resp:	187140
Ion	Ratio	Lower	Upper
96	100		
61	196.7	143.8	215.6
98	59.7	48.0	72.0

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#22

Diisopropyl ether

Concen: 85.42 ug/l

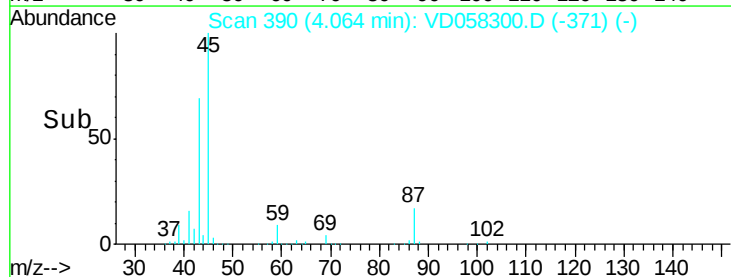
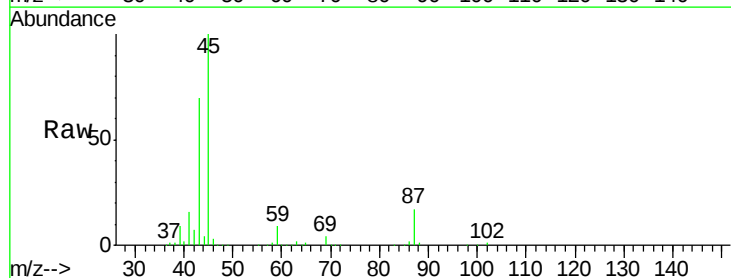
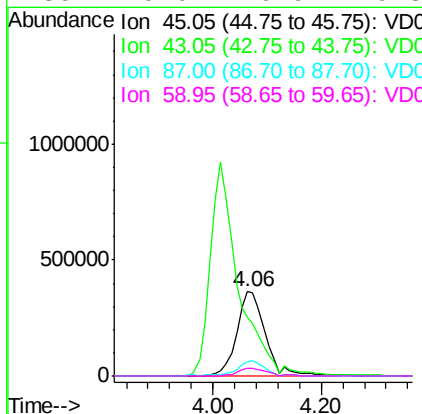
RT: 4.06 min Scan# 390

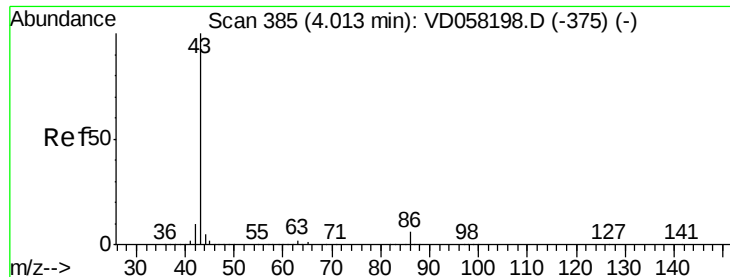
Delta R.T. -0.01 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Tgt Ion:	45	Resp:	1333479
Ion	Ratio	Lower	Upper
45	100		
43	69.6	51.4	77.0
87	17.0	13.0	19.4
59	9.0	6.9	10.3





#23

Vinyl Acetate

Concen: 398.60 ug/l

RT: 4.01 min Scan# 385

Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MS

Tot Ion: 43 Resp: 3335508

Ion Ratio Lower Upper

43 100

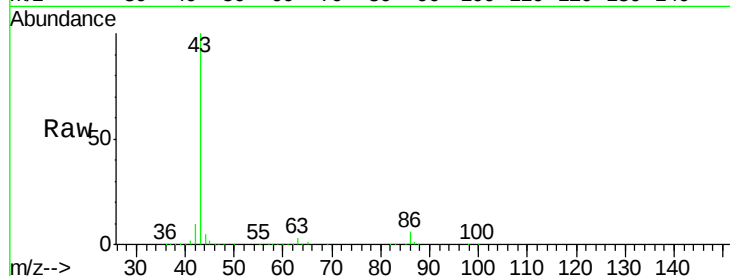
86 6.3 5.0 7.4

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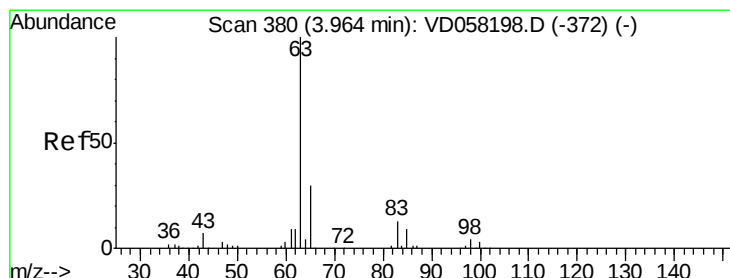
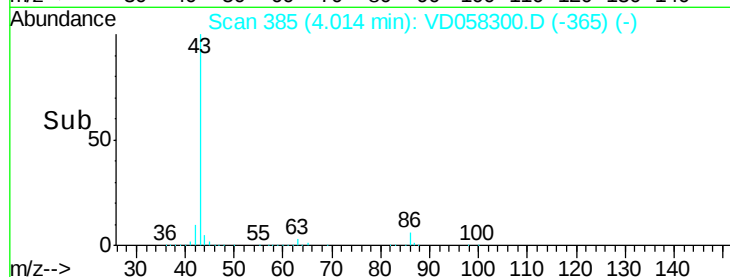
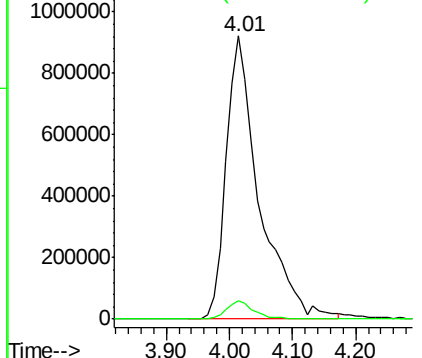
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 91.47 ug/l

RT: 3.97 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

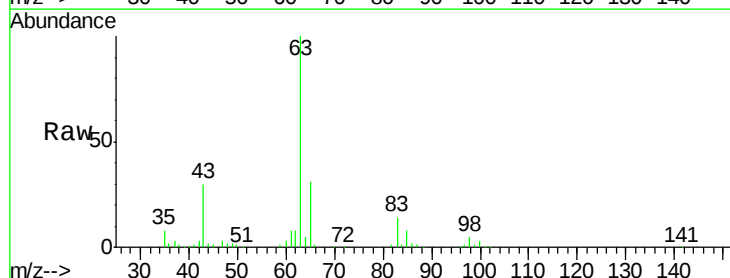
Tgt Ion: 63 Resp: 769224

Ion Ratio Lower Upper

63 100

98 4.7 1.9 5.7

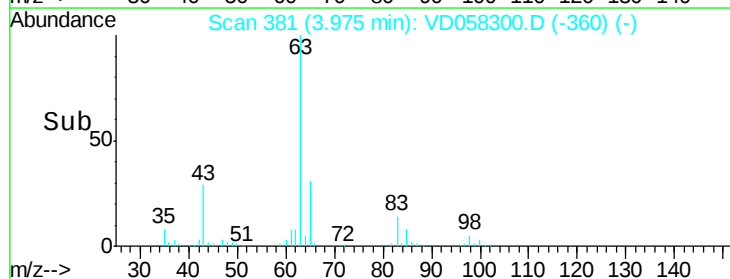
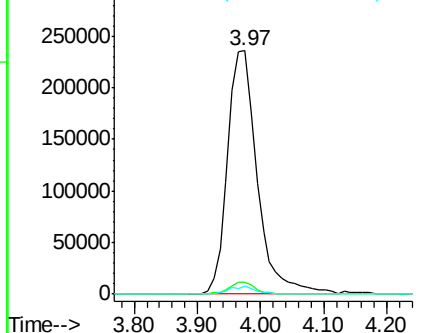
100 3.2 1.3 3.9

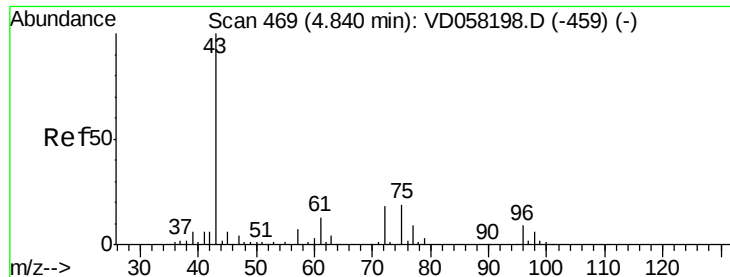


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 641.17 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MS

Tot Ion: 43 Resp: 948846

Ion Ratio Lower Upper

43 100

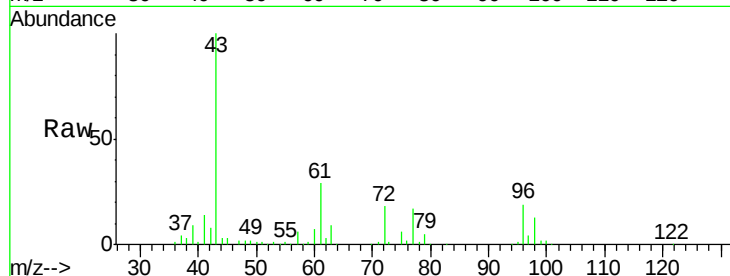
72 17.9 14.1 21.1

Manual Integrations

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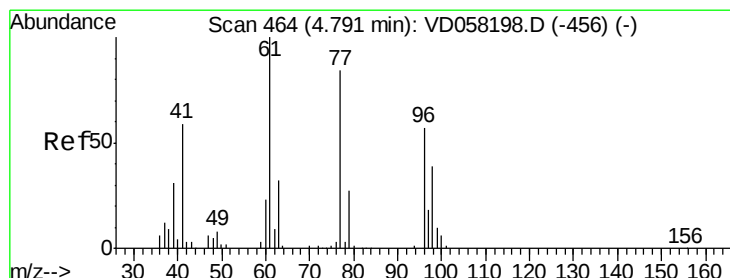
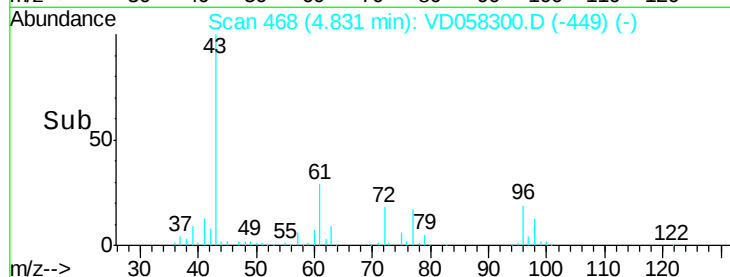
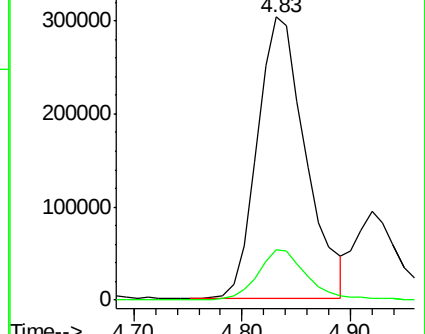
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 92.02 ug/l

RT: 4.79 min Scan# 464

Delta R.T. 0.00 min

Lab File: VD058300.D

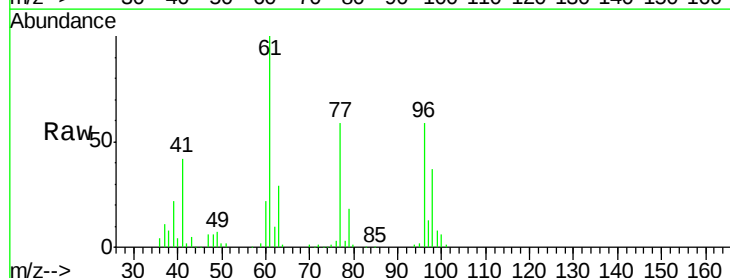
Acq: 22 Jun 2018 16:57

Tgt Ion: 77 Resp: 647990

Ion Ratio Lower Upper

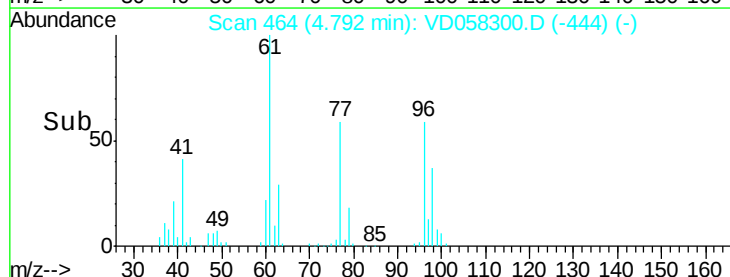
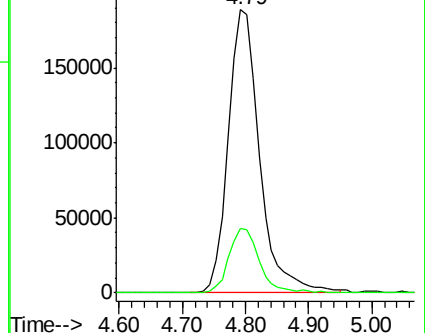
77 100

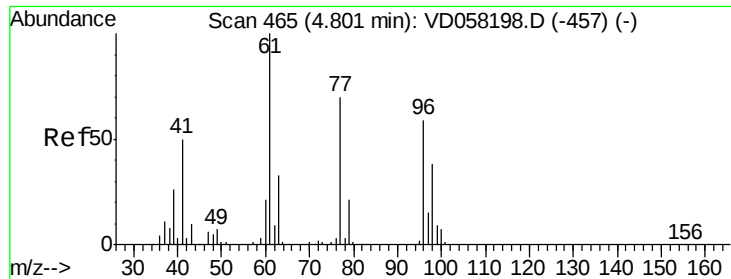
97 22.6 10.5 31.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

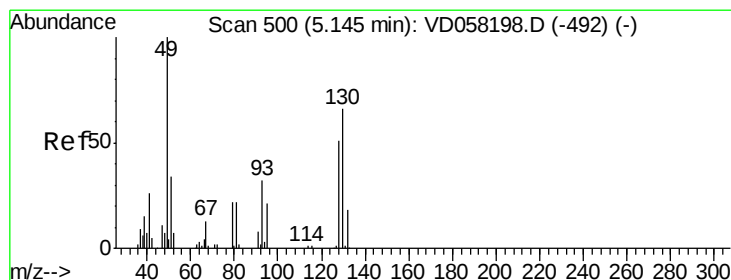
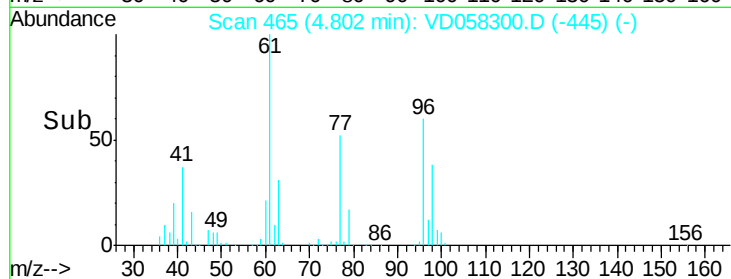
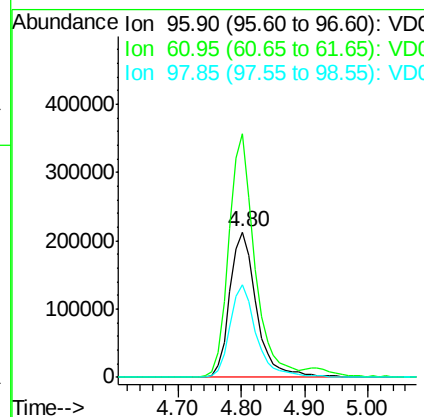
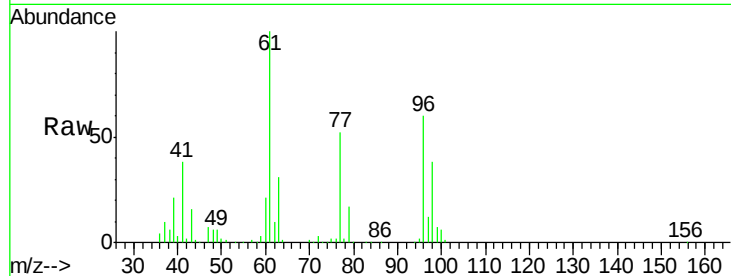
cis-1,2-Dichloroethene
 Concen: 135.24 ug/l
 RT: 4.80 min Scan# 465
 Delta R.T. 0.00 min
 Lab File: VD058300.D
 Acq: 22 Jun 2018 16:57

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-13-15-180618MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	167.4	0.0	338.6
98	63.7	0.0	130.2

Manual Integrations
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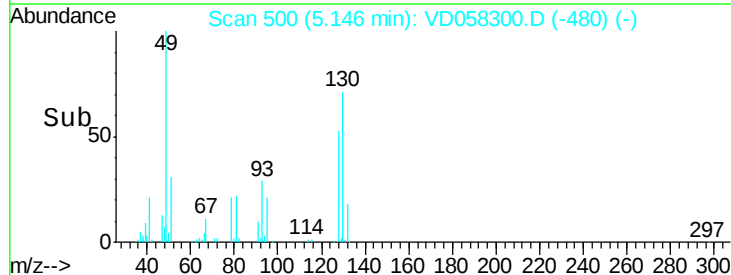
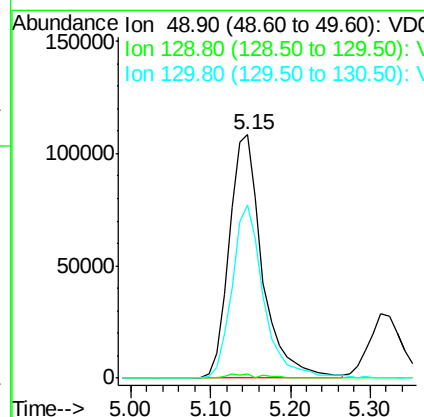
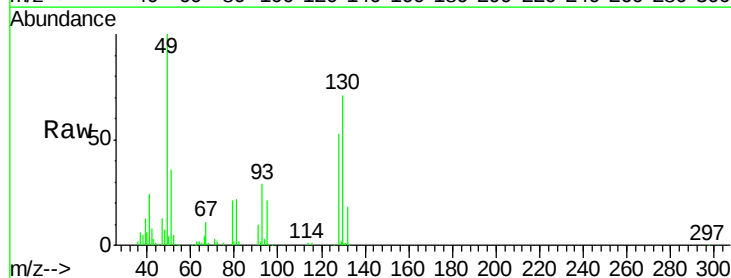
apatel
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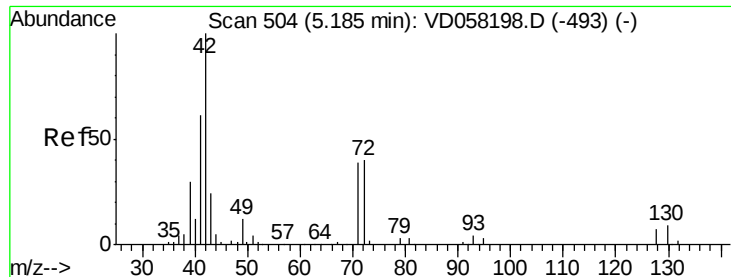


#28

Bromochloromethane
 Concen: 83.50 ug/l
 RT: 5.15 min Scan# 500
 Delta R.T. 0.00 min
 Lab File: VD058300.D
 Acq: 22 Jun 2018 16:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	0.0#
130	70.9	52.6	79.0





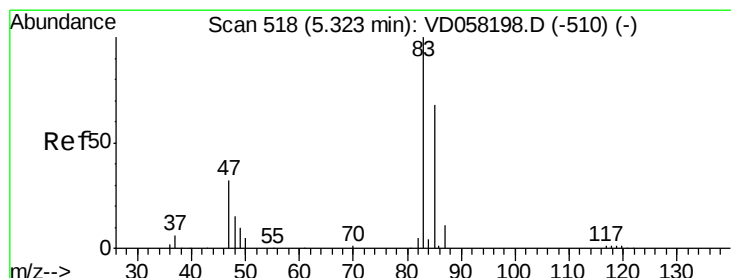
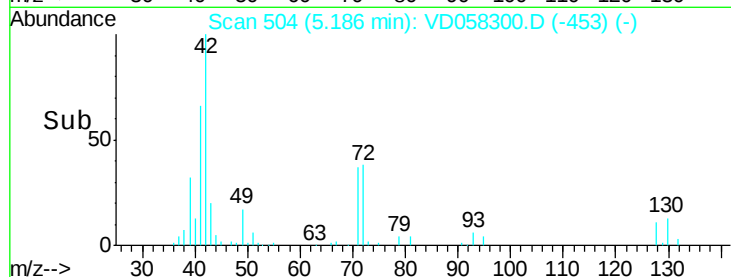
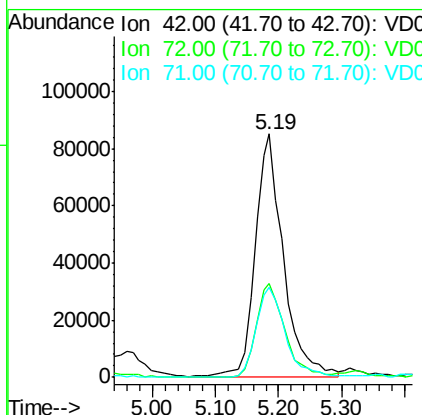
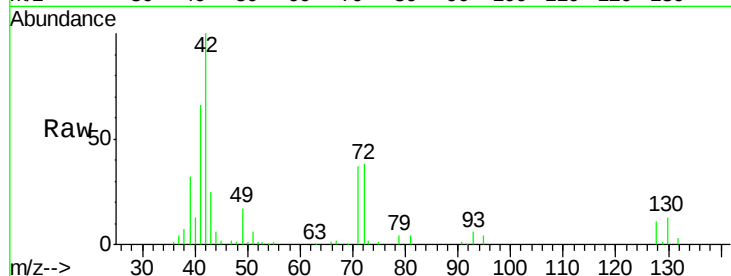
#29
Tetrahydrofuran
Concen: 338.72 ug/l
RT: 5.19 min Scan# 504
Delta R.T. 0.00 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.0	30.2	45.2
71	38.2	30.1	45.1

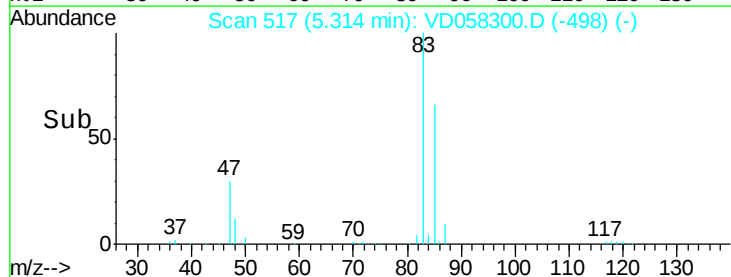
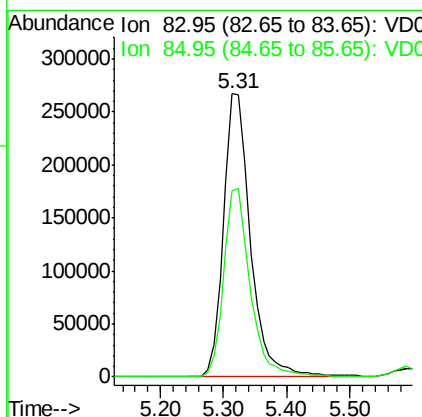
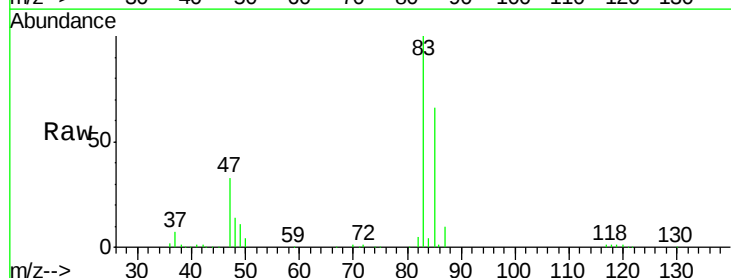
Manual Integrations
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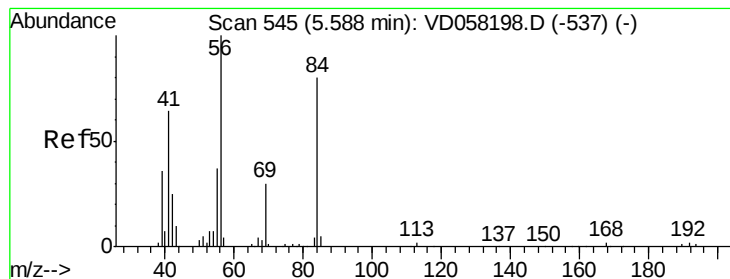
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#30
Chloroform
Concen: 89.06 ug/l
RT: 5.31 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	54.8	82.2





#31

Cyclohexane

Concen: 93.91 ug/l

RT: 5.59 min Scan# 545

Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Tot Ion:	56	Resp:	545368
Ion	Ratio	Lower	Upper
56	100		
69	28.4	23.6	35.4
84	79.4	65.2	97.8

Instrument :

MSVOA_D

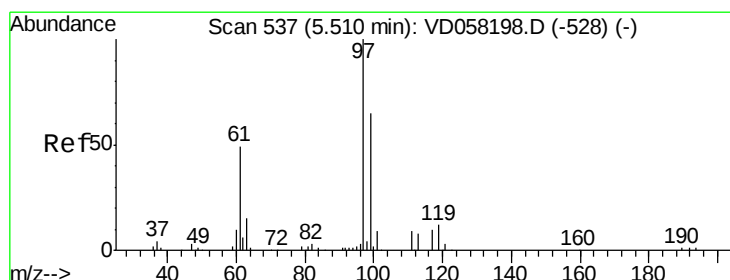
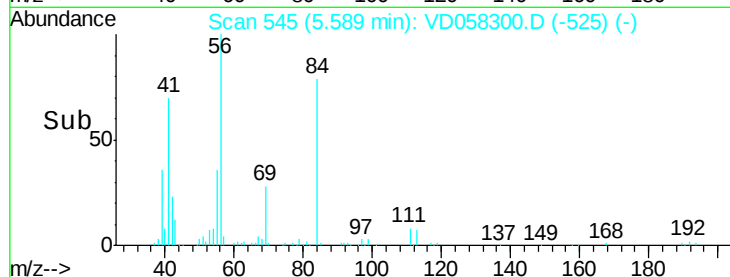
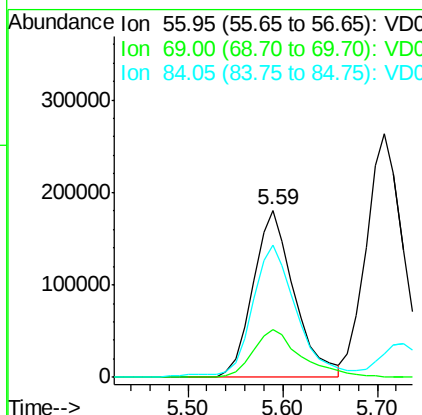
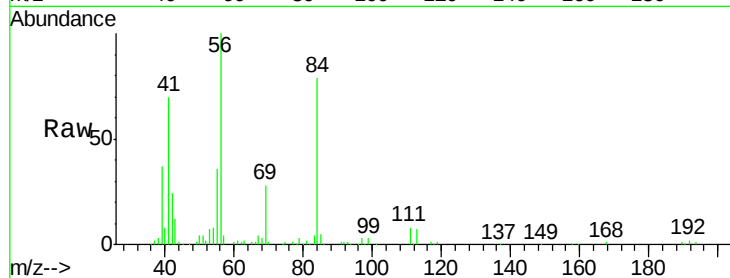
ClientSampleId :

WP021SB472-13-15-180618MS

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#32

1,1,1-Trichloroethane

Concen: 89.03 ug/l

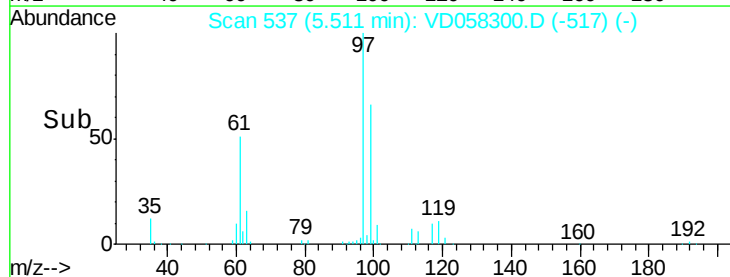
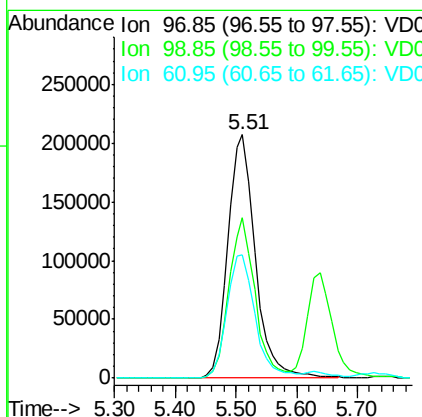
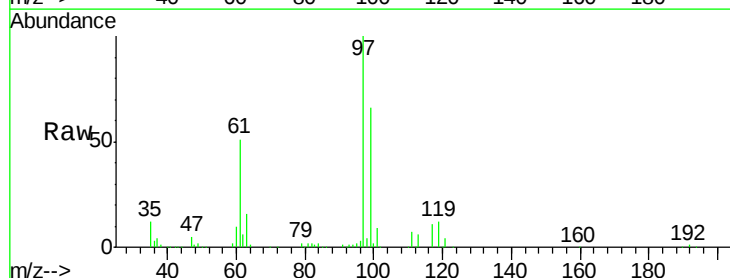
RT: 5.51 min Scan# 537

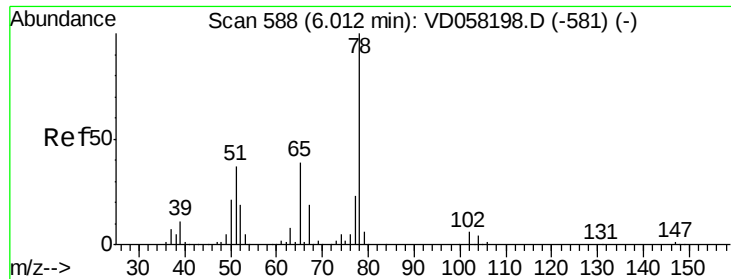
Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Tgt Ion:	97	Resp:	653107
Ion	Ratio	Lower	Upper
97	100		
99	66.1	52.2	78.4
61	50.8	39.0	58.4





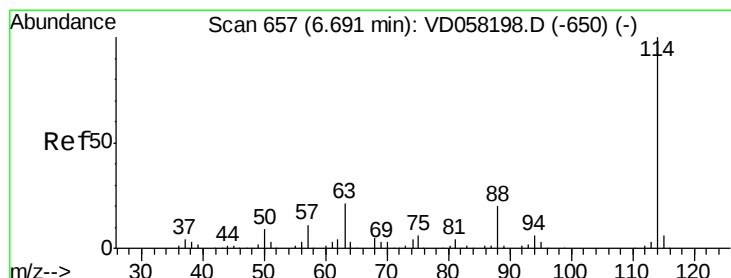
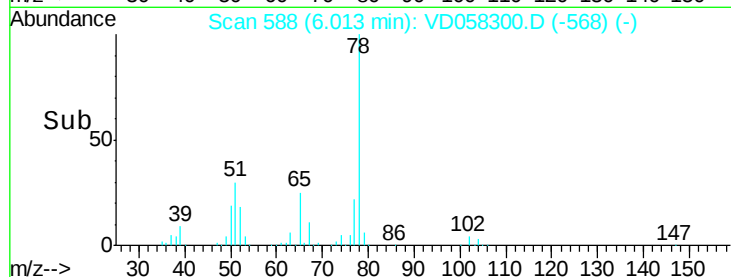
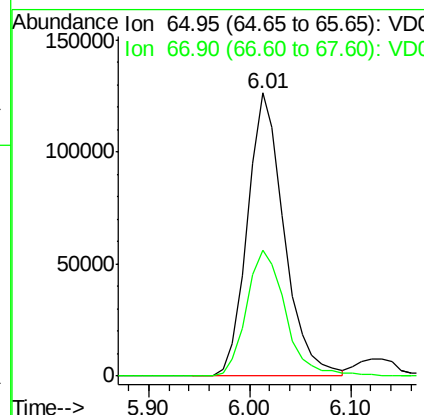
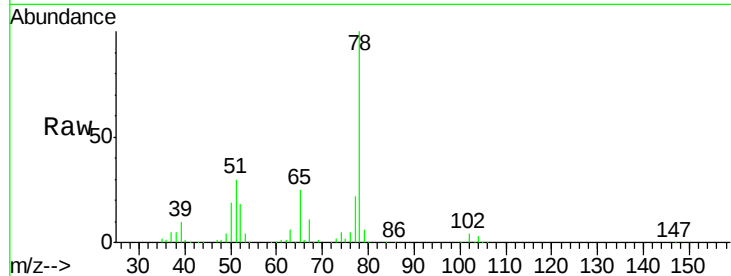
#33
 1,2-Dichloroethane-d4
 Concen: 89.03 ug/l
 RT: 6.01 min Scan# 588
 Delta R.T. 0.00 min
 Lab File: VD058300.D
 Acq: 22 Jun 2018 16:57

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-13-15-180618MS

Tot Ion: 65 Resp: 320372
 Ion Ratio Lower Upper
 65 100
 67 44.4 0.0 97.8

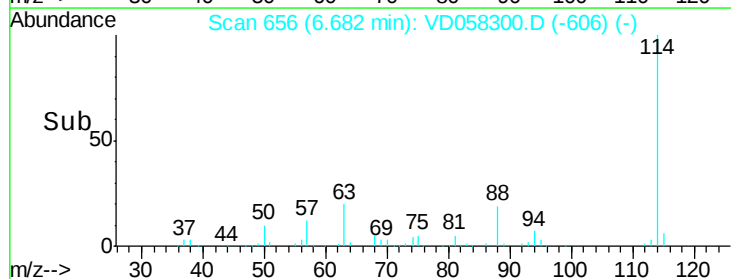
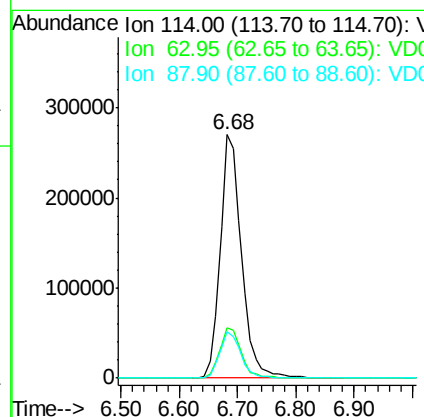
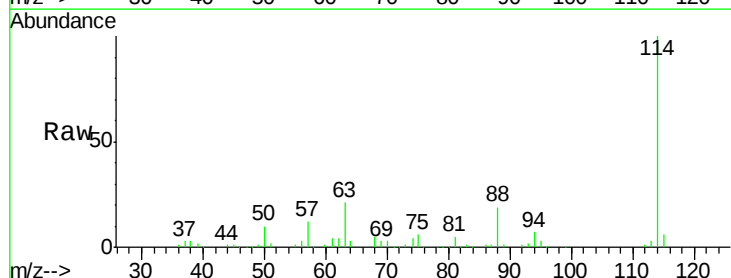
Manual Integrations
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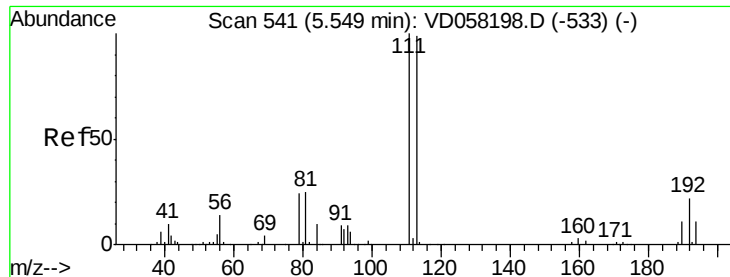
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. -0.01 min
 Lab File: VD058300.D
 Acq: 22 Jun 2018 16:57

Tgt Ion: 114 Resp: 681720
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 42.6
 88 19.0 0.0 40.6





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.55 min Scan# 541

Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

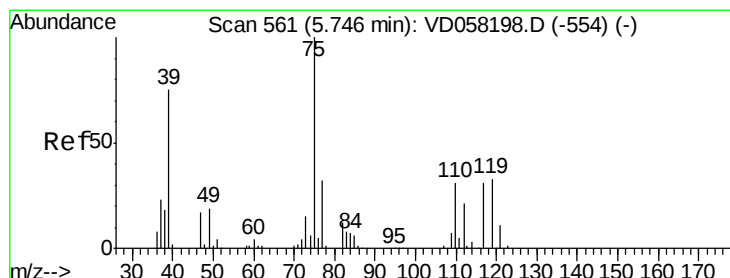
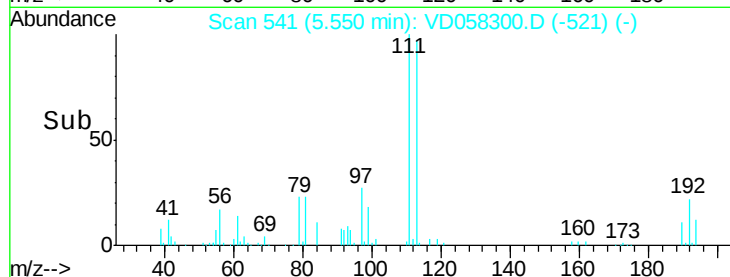
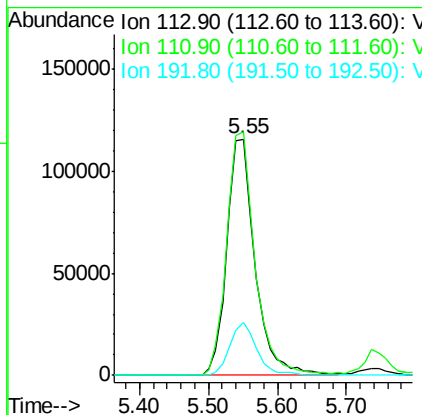
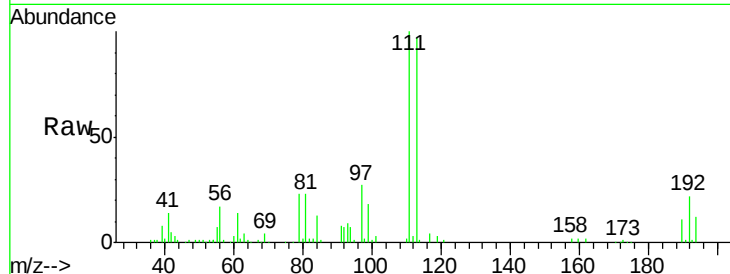
ClientSampleId :

WP021SB472-13-15-180618MS

Tot Ion:	113	Resp:	330583
Ion Ratio	Lower	Upper	
113	100		
111	103.1	80.6	121.0
192	22.6	17.8	26.6

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#36

1,1-Dichloropropene

Concen: 79.84 ug/l

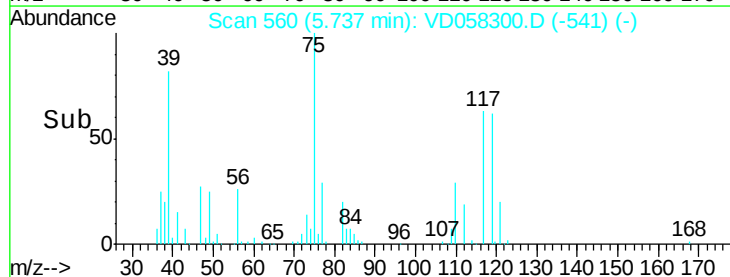
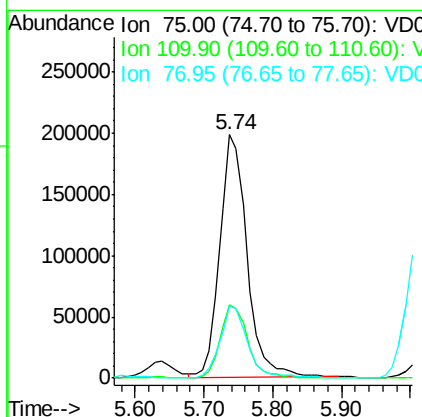
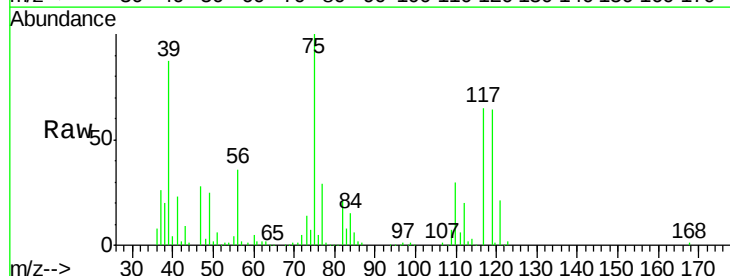
RT: 5.74 min Scan# 560

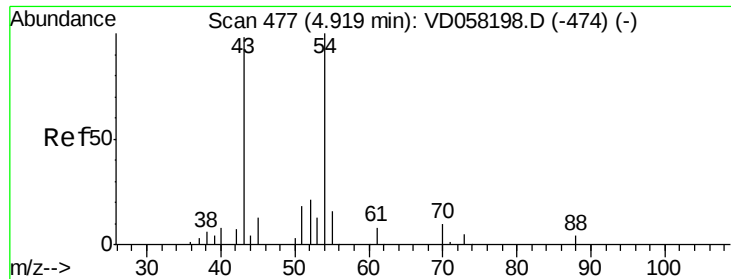
Delta R.T. -0.01 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Tgt Ion:	75	Resp:	538473
Ion Ratio	Lower	Upper	
75	100		
110	29.9	15.4	46.4
77	29.4	25.4	38.2





#37

Ethyl Acetate

Concen: 70.99 ug/l

RT: 4.92 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

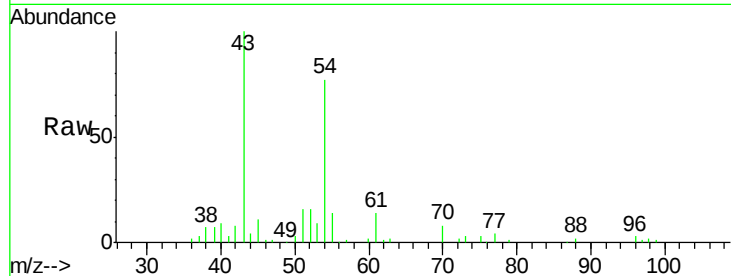
ClientSampleId :

WP021SB472-13-15-180618MS

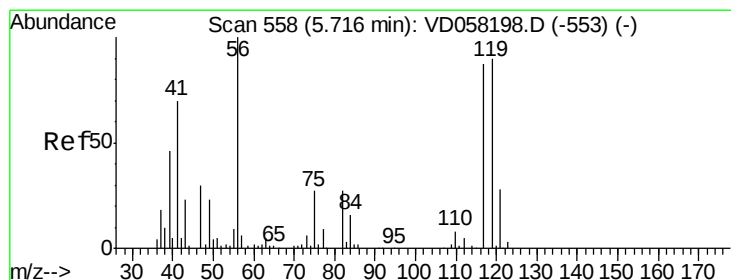
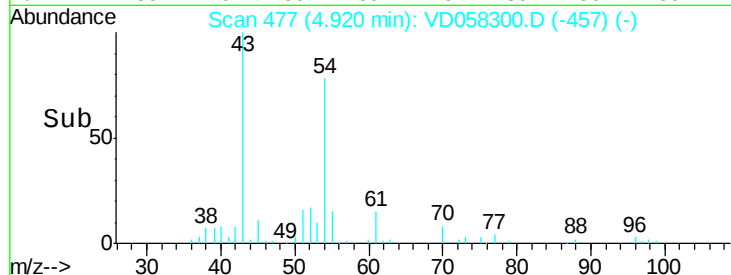
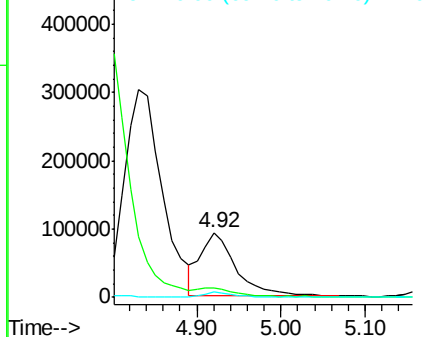
Tot Ion:	43	Resp:	272792
Ion	Ratio	Lower	Upper
43	100		
61	14.5	10.3	15.5
70	7.9	5.7	8.5

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Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 80.95 ug/l

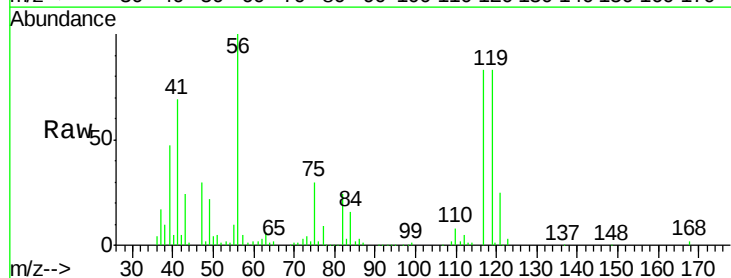
RT: 5.72 min Scan# 558

Delta R.T. 0.00 min

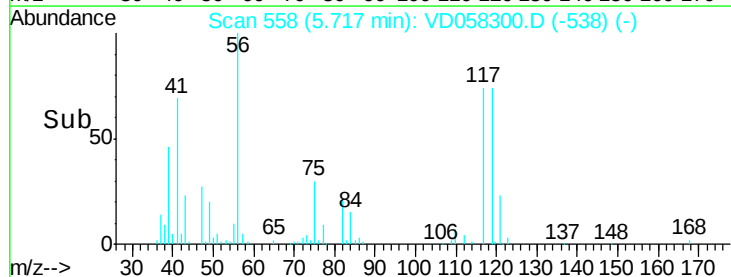
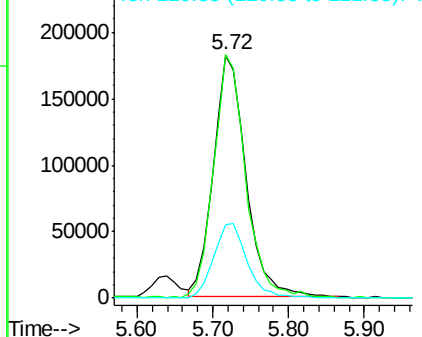
Lab File: VD058300.D

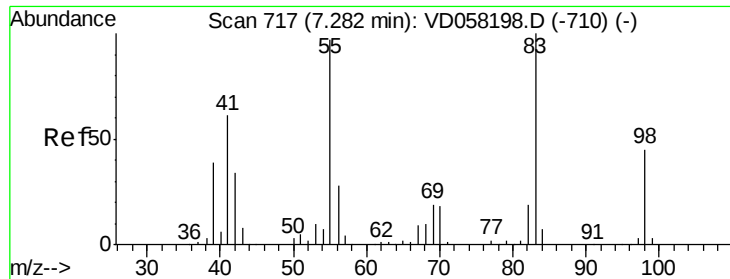
Acq: 22 Jun 2018 16:57

Tgt Ion:	117	Resp:	542435
Ion	Ratio	Lower	Upper
117	100		
119	100.5	78.8	118.2
121	30.4	25.0	37.6



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





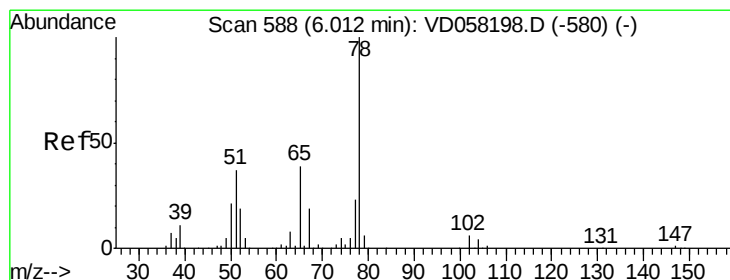
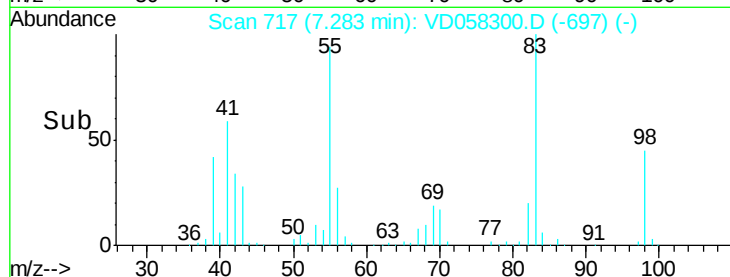
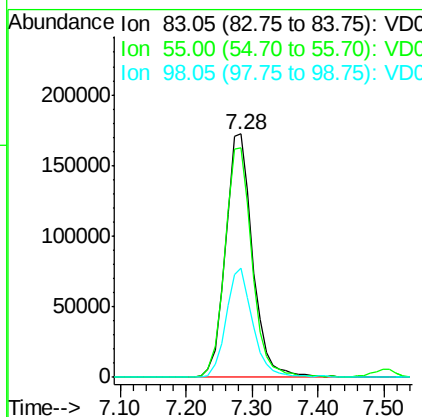
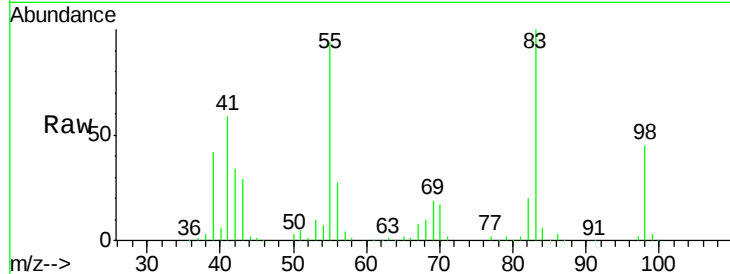
#39
Methvlcvclohexane
Concen: 75.77 ug/l
RT: 7.28 min Scan# 717
Delta R.T. 0.00 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MS

Tot Ion	83	Resp	497689
Ion Ratio	100	Lower	Upper
83	100		
55	94.2	77.4	116.2
98	44.7	35.9	53.9

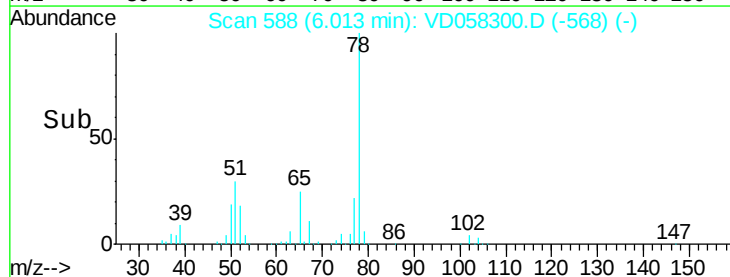
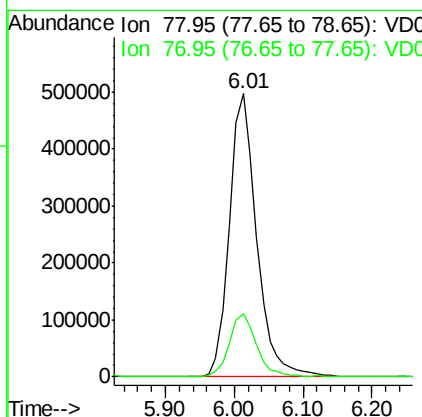
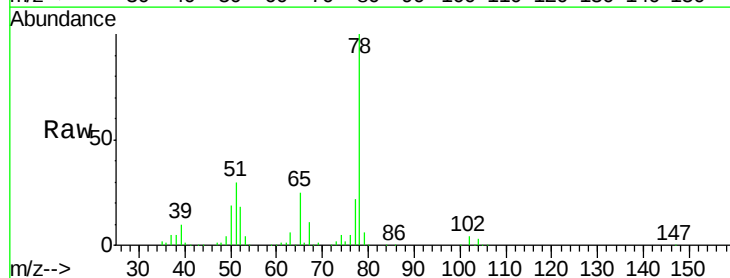
Manual Integrations
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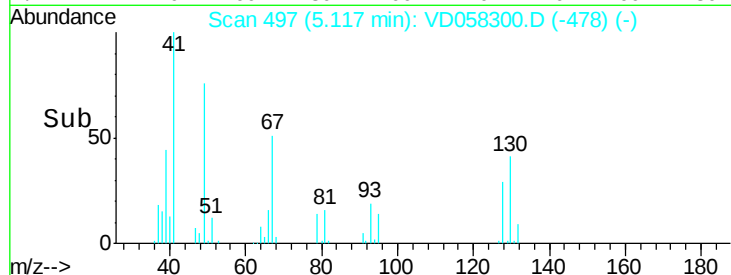
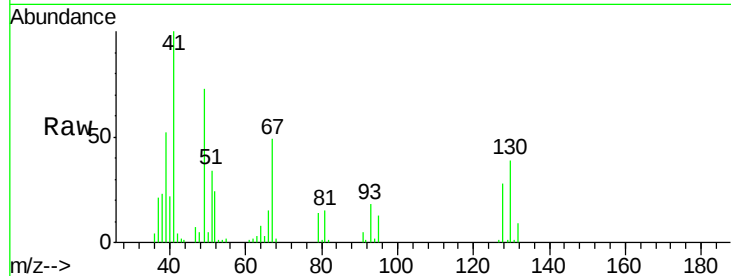
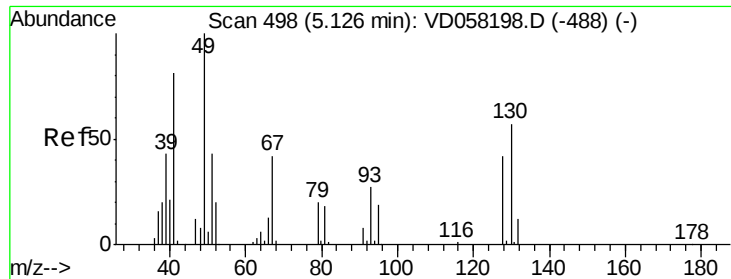
apatel
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#40
Benzene
Concen: 84.90 ug/l
RT: 6.01 min Scan# 588
Delta R.T. 0.00 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

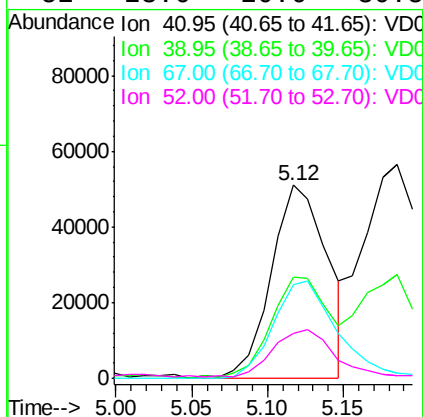
Tgt Ion	78	Resp	1363968
Ion Ratio	100	Lower	Upper
78	100		
77	22.5	18.5	27.7





#41
Methacrylonitrile
Concen: 71.13 ug/l
RT: 5.12 min Scan# 497
Delta R.T. -0.01 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

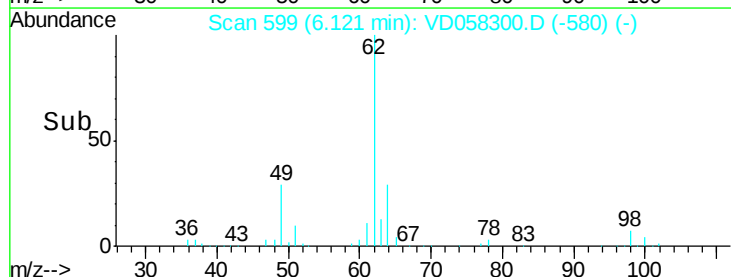
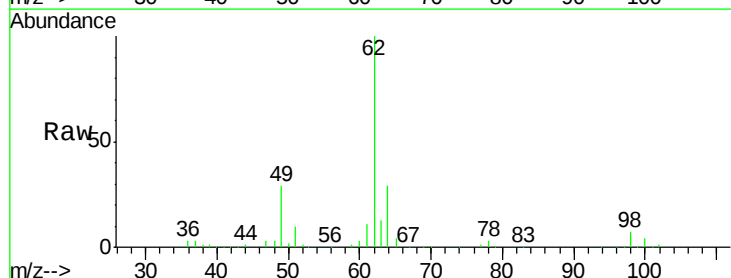
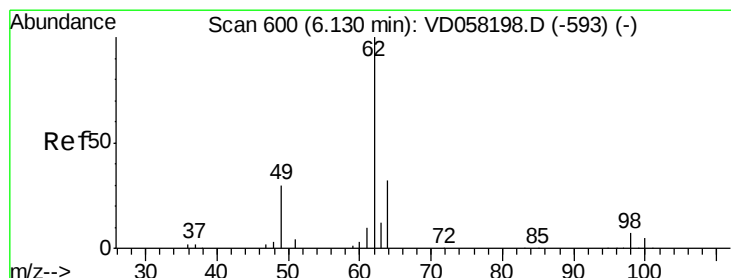
Tot Ion	Ratio	Lower	Upper
41	100		
39	52.4	43.4	65.2
67	48.5	41.7	62.5
52	23.6	20.6	30.8



Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MS

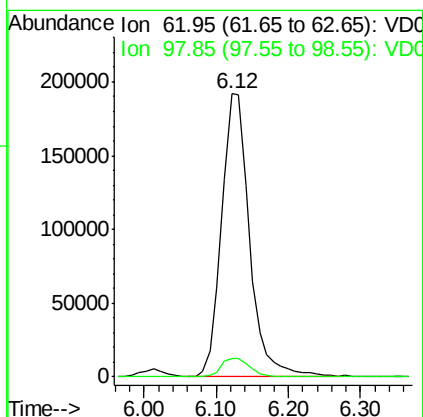
Manual Integrations
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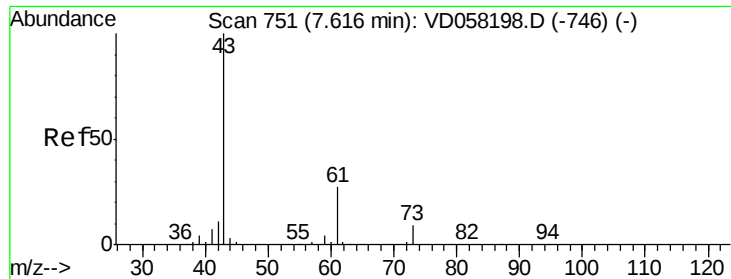
apatel
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#42
1,2-Dichloroethane
Concen: 79.03 ug/l
RT: 6.12 min Scan# 599
Delta R.T. -0.01 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.7	0.0	13.2





#43

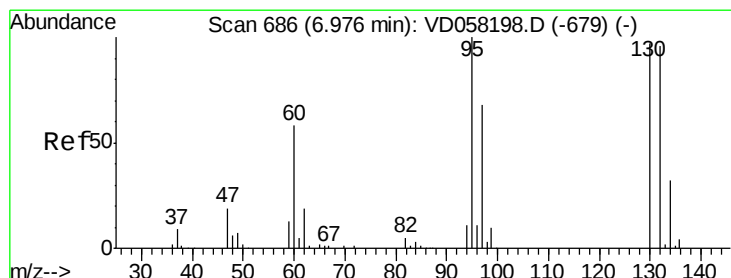
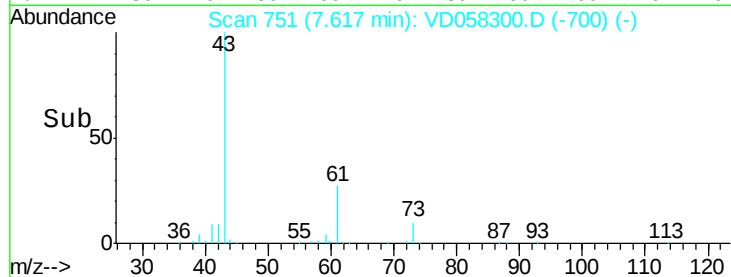
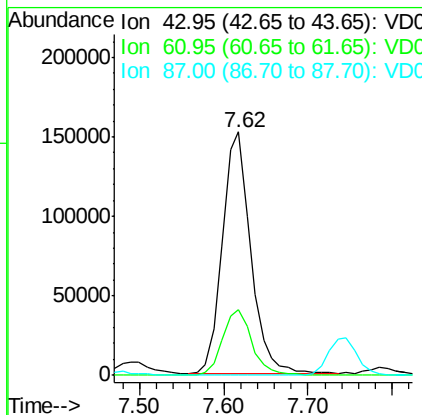
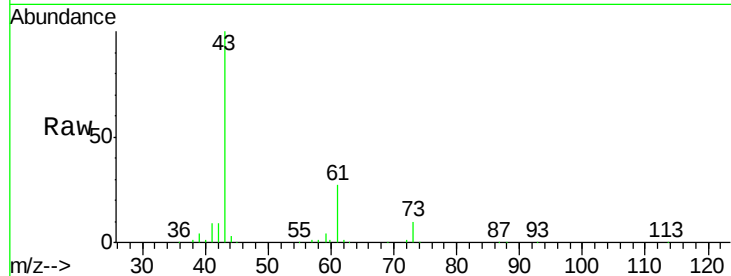
Isopropyl Acetate
 Concen: 69.04 ug/l
 RT: 7.62 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: VD058300.D
 Acq: 22 Jun 2018 16:57

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-13-15-180618MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.8	21.8	32.6
87	0.3	0.3	0.5

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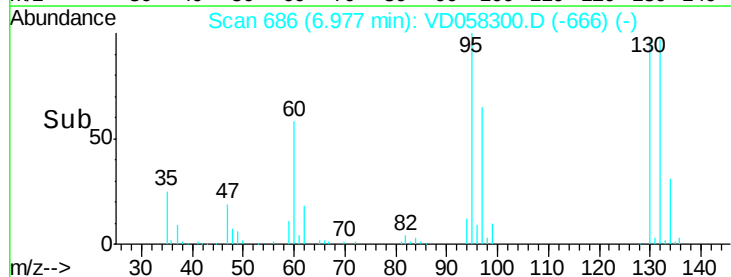
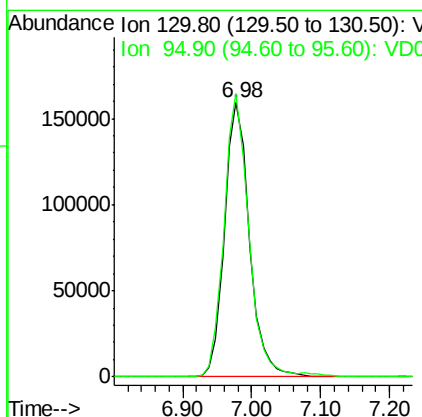
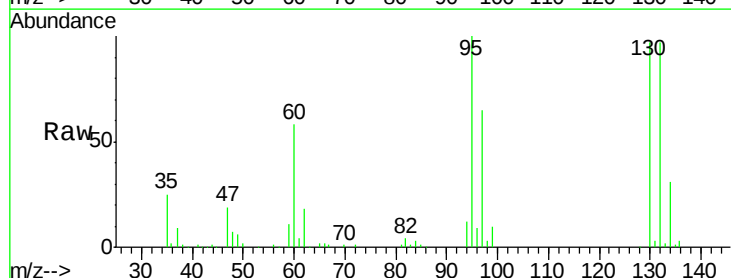
apatel
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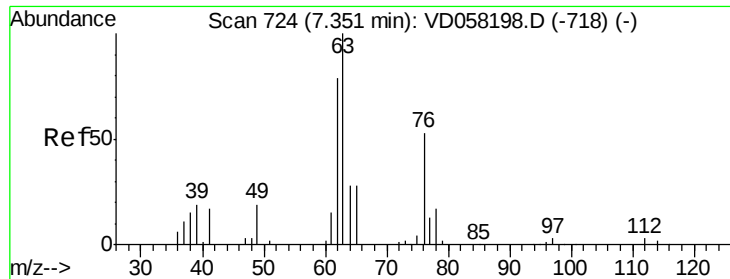


#44

Trichloroethene
 Concen: 82.87 ug/l
 RT: 6.98 min Scan# 686
 Delta R.T. 0.00 min
 Lab File: VD058300.D
 Acq: 22 Jun 2018 16:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.3	0.0	205.6





#45

1,2-Dichloropropane

Concen: 82.95 ug/l

RT: 7.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MS

Tot Ion: 63 Resp: 358883

Ion Ratio Lower Upper

63 100

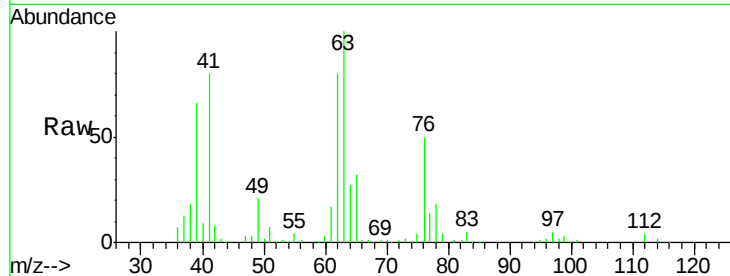
65 31.6 24.0 36.0

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

7.34

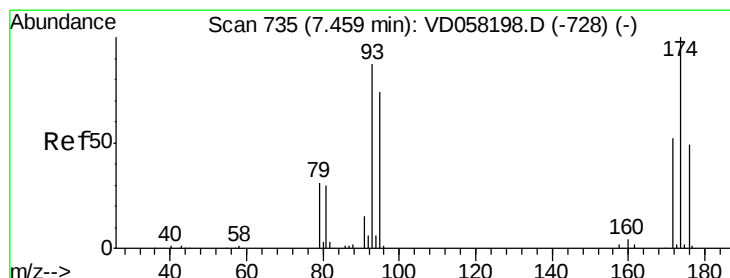
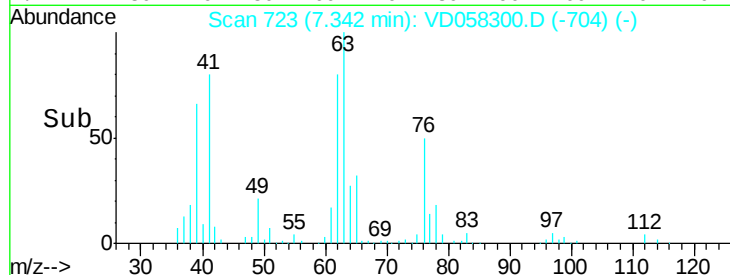
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 76.71 ug/l

RT: 7.46 min Scan# 735

Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

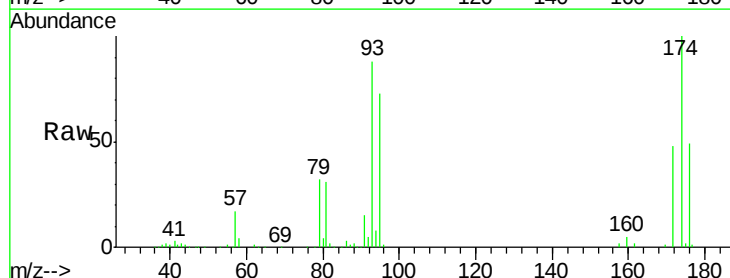
Tgt Ion: 93 Resp: 226559

Ion Ratio Lower Upper

93 100

95 83.6 67.8 101.6

174 113.9 92.2 138.2



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

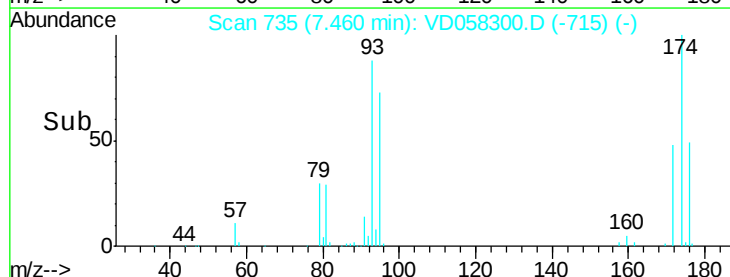
150000

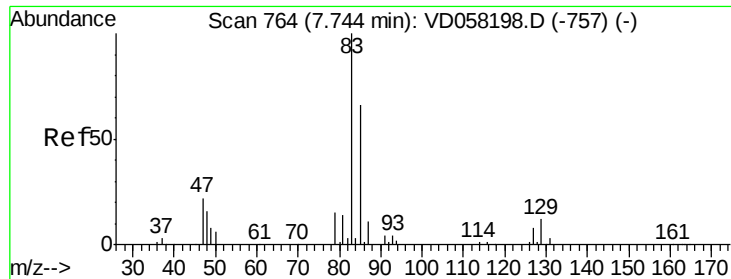
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 85.56 ug/l

RT: 7.74 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

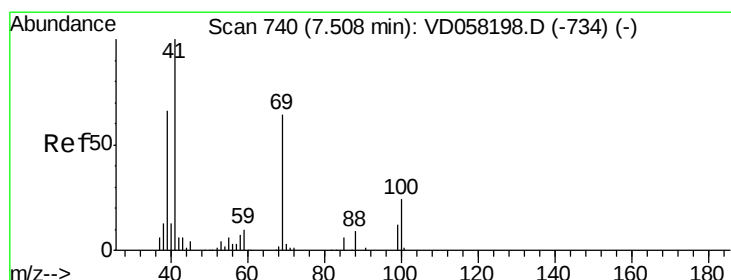
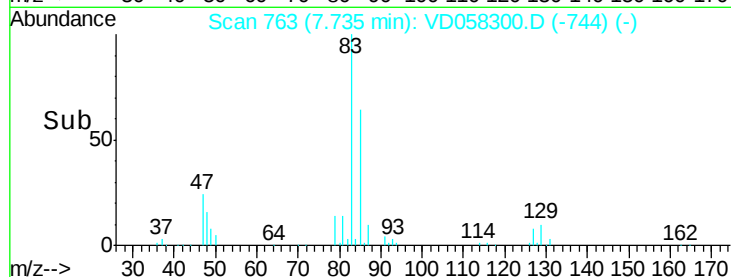
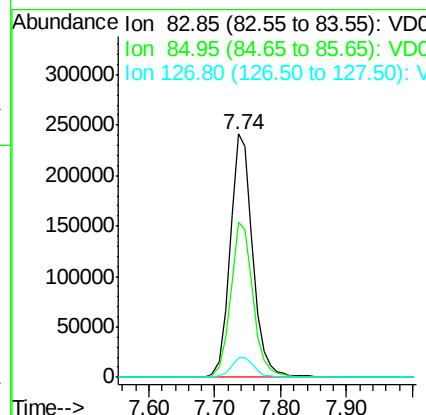
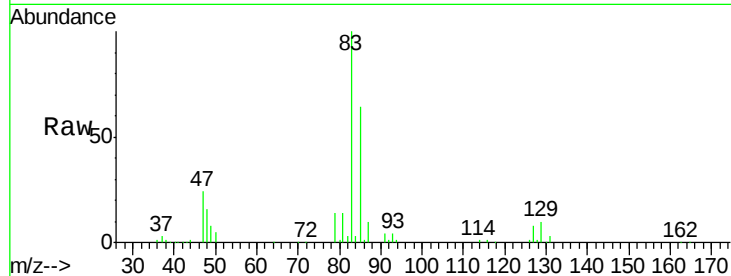
ClientSampleId :

WP021SB472-13-15-180618MS

Tot Ion:	83	Resp:	576250
Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.6	78.8
127	7.8	6.2	9.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 68.72 ug/l

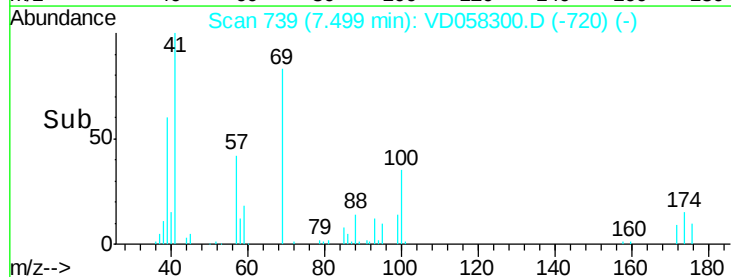
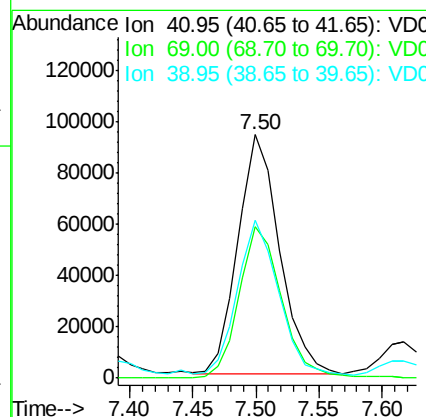
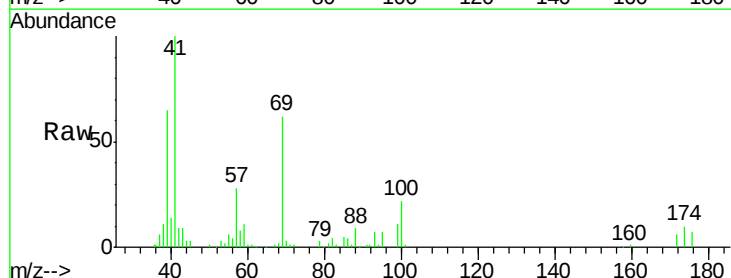
RT: 7.50 min Scan# 739

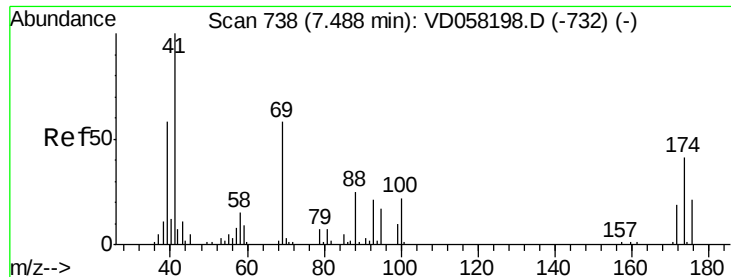
Delta R.T. -0.01 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Tgt Ion:	41	Resp:	213950
Ion	Ratio	Lower	Upper
41	100		
69	62.3	50.7	76.1
39	64.9	52.6	78.8





#49

1,4-Dioxane

Concen: 1502.80 ug/l

RT: 7.48 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

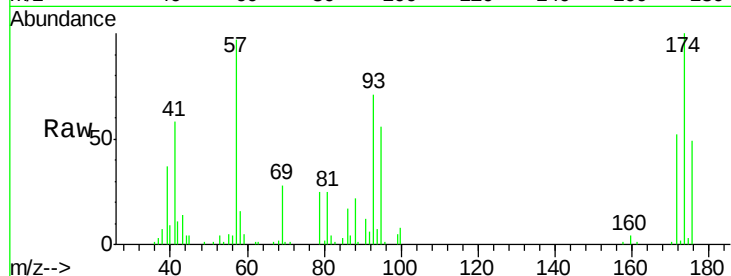
WP021SB472-13-15-180618MS

Tot Ion: 88 Resp: 42236

Ion	Ratio	Lower	Upper
88	100		
43	64.8	34.2	51.2#
58	74.1	47.9	71.9#

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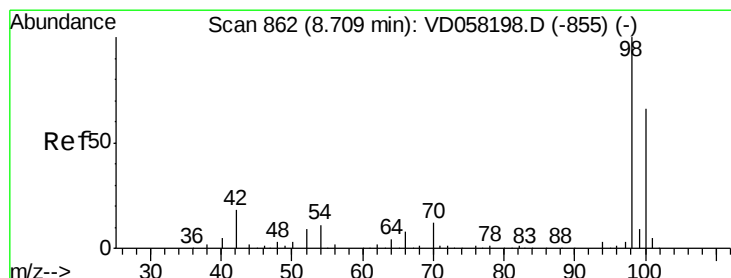
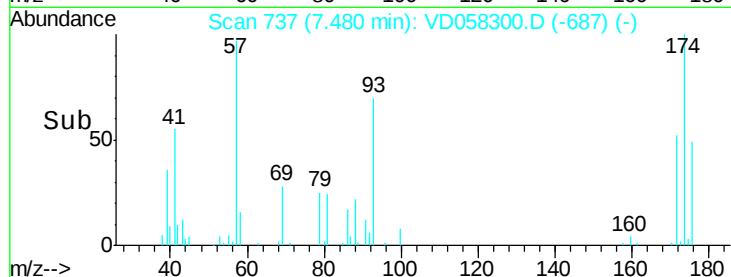
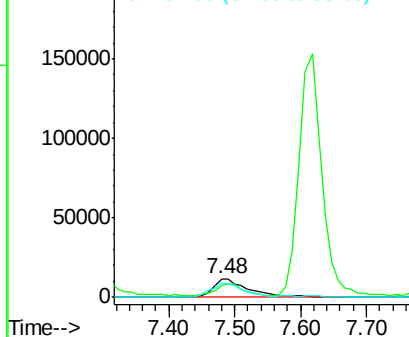
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Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 1502.80 ug/l

RT: 8.70 min Scan# 861

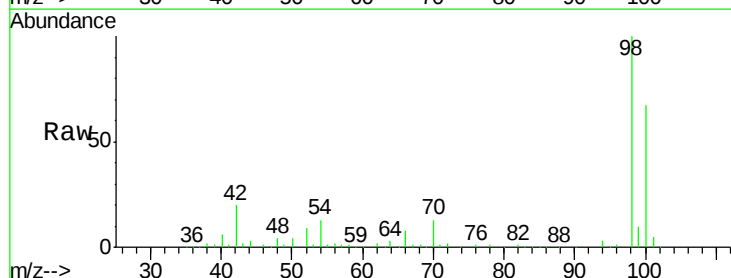
Delta R.T. -0.01 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

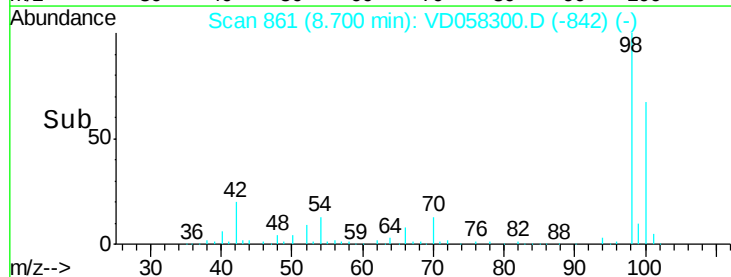
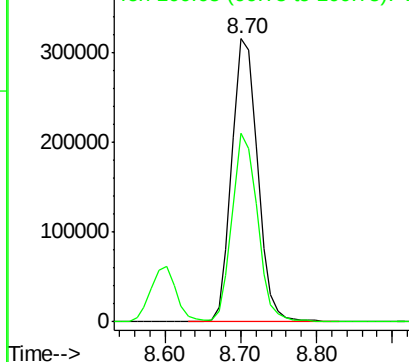
Tgt Ion: 98 Resp: 743557

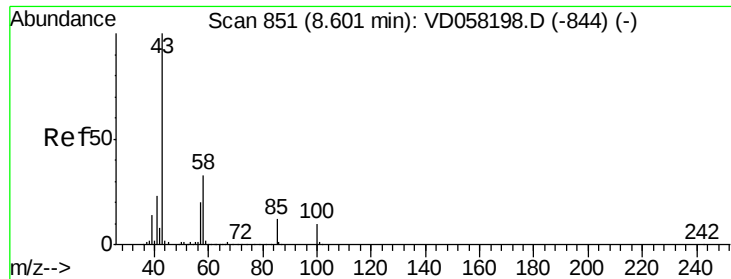
Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.6	80.4



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 475.65 ug/l

RT: 8.59 min Scan# 850

Delta R.T. -0.01 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MS

Tot Ion: 43 Resp: 1589362

Ion Ratio Lower Upper

43 100

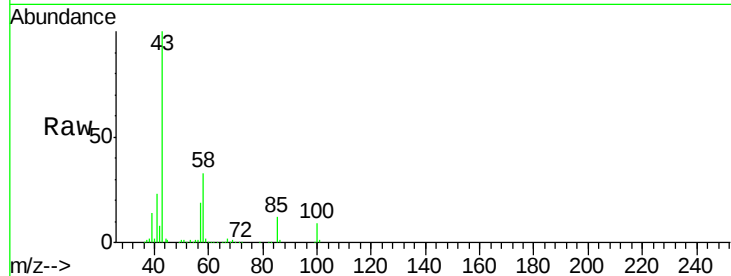
58 33.5 26.7 40.1

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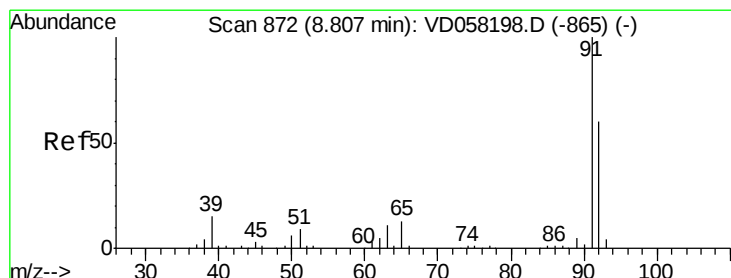
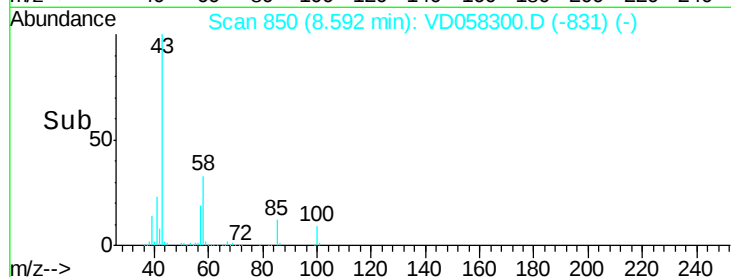
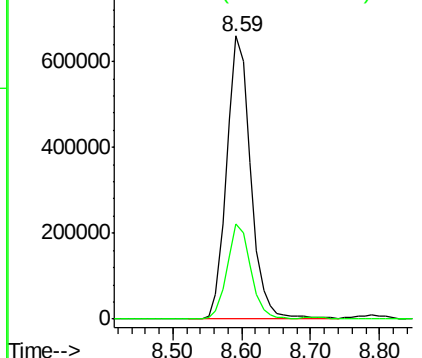
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 88.11 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.01 min

Lab File: VD058300.D

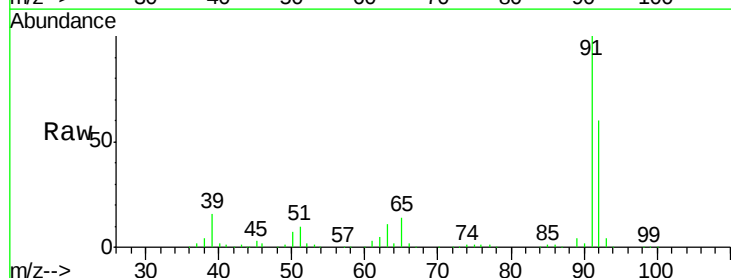
Acq: 22 Jun 2018 16:57

Tgt Ion: 92 Resp: 805981

Ion Ratio Lower Upper

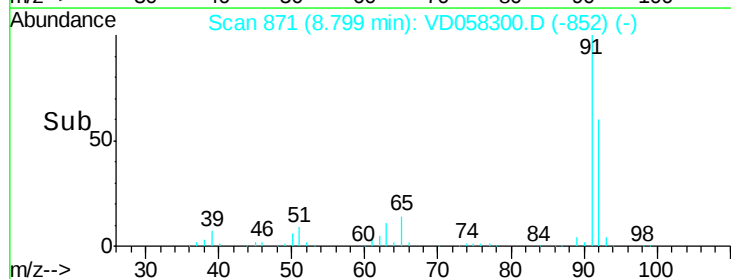
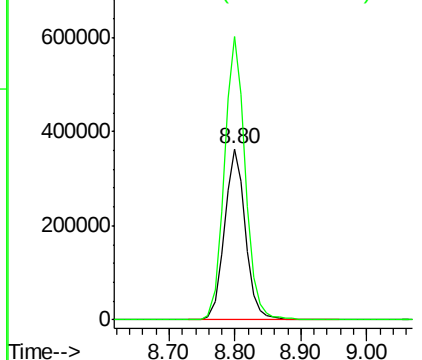
92 100

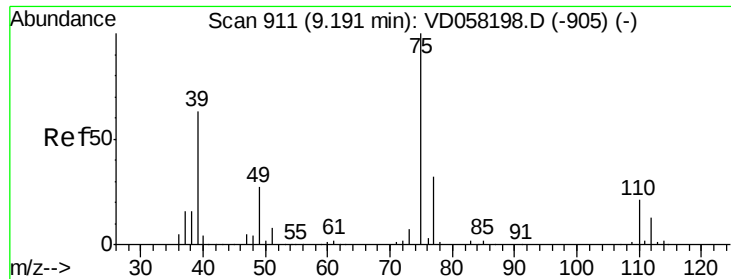
91 165.7 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 77.25 ug/l

RT: 9.18 min Scan# 910

Delta R.T. -0.01 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Tot Ion: 75 Resp: 452377

Ion Ratio Lower Upper

75 100

77 32.8 25.8 38.8

Instrument :

MSVOA_D

ClientSampleId :

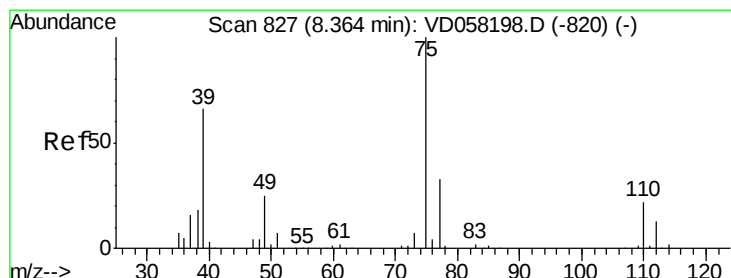
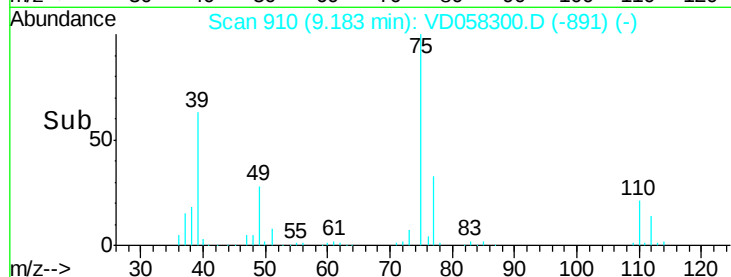
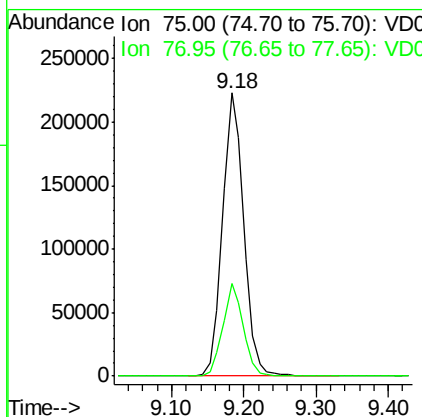
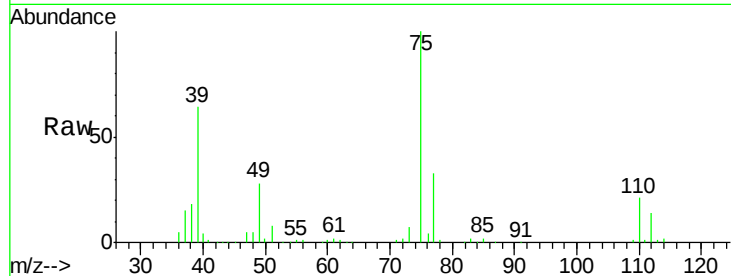
WP021SB472-13-15-180618MS

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#54

cis-1,3-Dichloropropene

Concen: 81.73 ug/l

RT: 8.36 min Scan# 826

Delta R.T. -0.01 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

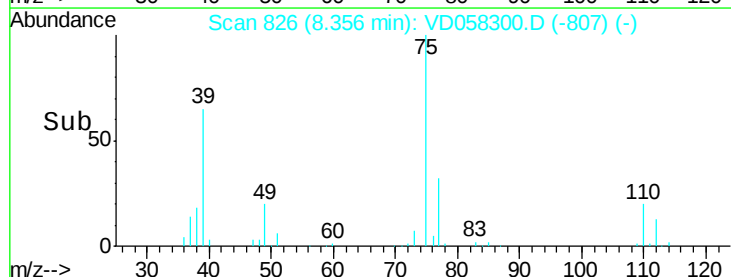
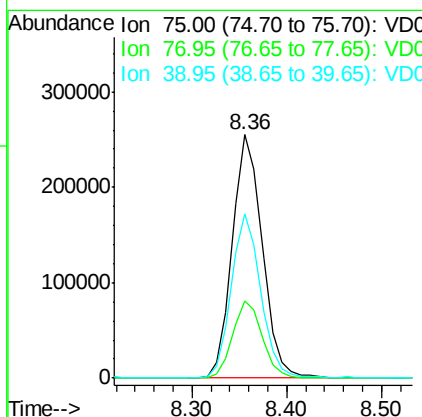
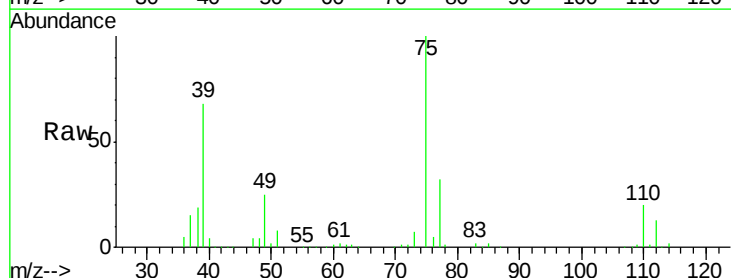
Tgt Ion: 75 Resp: 561046

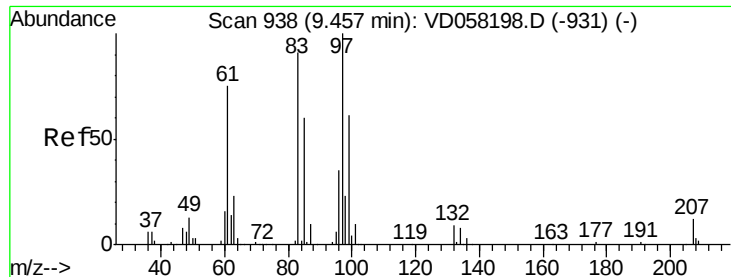
Ion Ratio Lower Upper

75 100

77 31.9 26.5 39.7

39 67.5 52.9 79.3





#55

1,1,2-Trichloroethane

Concen: 75.76 ug/l

RT: 9.45 min Scan# 937

Delta R.T. -0.01 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Tot Ion:	97	Resp:	245181
Ion	Ratio	Lower	Upper
97	100		
83	93.5	72.9	109.3
85	56.8	48.2	72.4
99	63.7	48.9	73.3

Instrument :

MSVOA_D

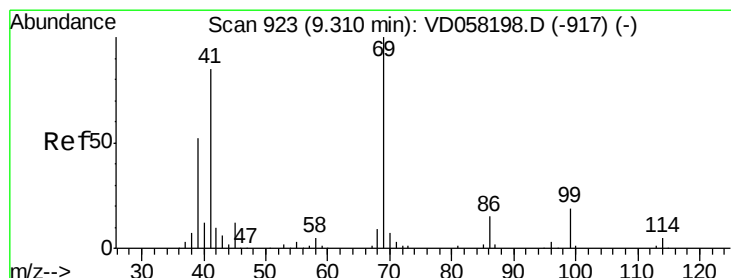
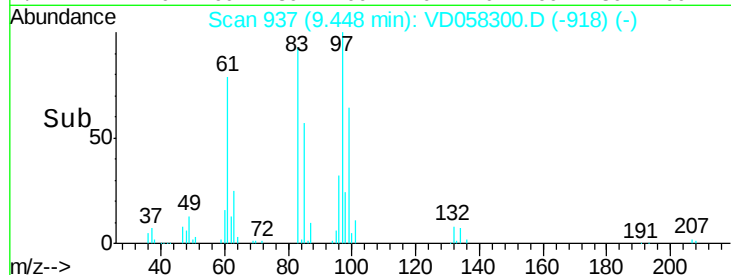
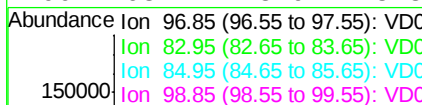
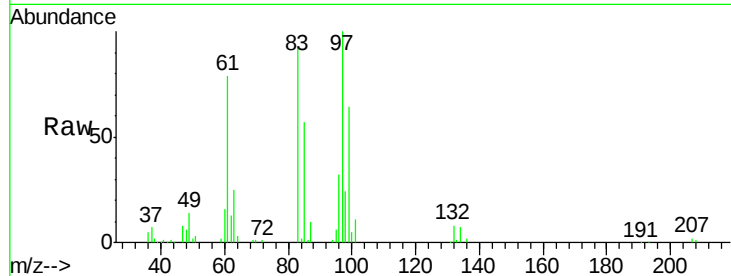
ClientSampleId :

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#56

Ethyl methacrylate

Concen: 70.76 ug/l

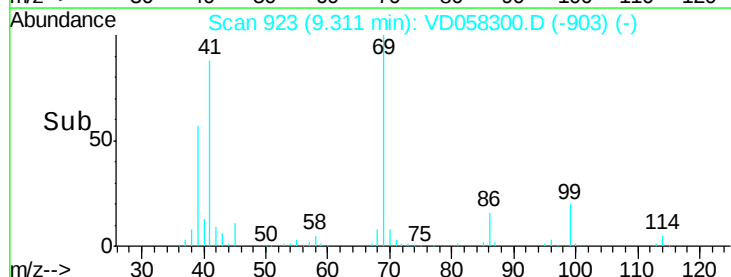
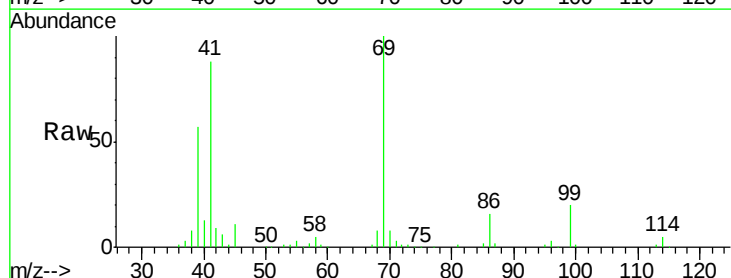
RT: 9.31 min Scan# 923

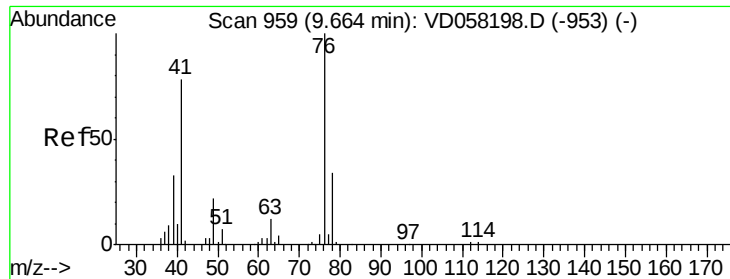
Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Tgt Ion:	69	Resp:	273869
Ion	Ratio	Lower	Upper
69	100		
41	87.8	67.6	101.4
39	56.5	42.2	63.2





#57

1,3-Dichloropropane

Concen: 76.80 ug/l

RT: 9.66 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Tot Ion: 76 Resp: 418666

Ion Ratio Lower Upper

76 100

78 34.7 27.0 40.6

Instrument :

MSVOA_D

ClientSampleId :

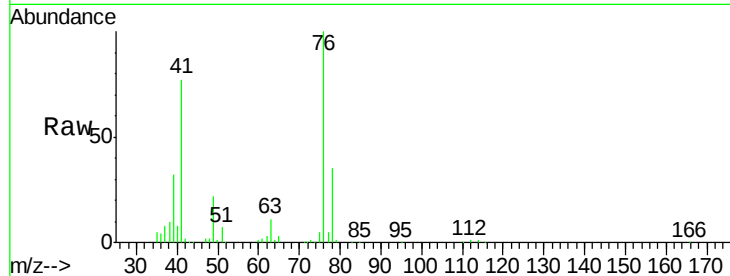
WP021SB472-13-15-180618MS

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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

9.66

200000

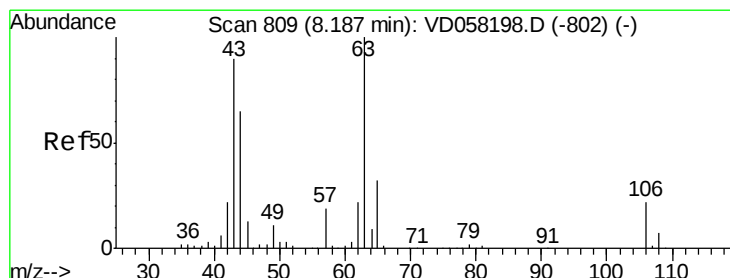
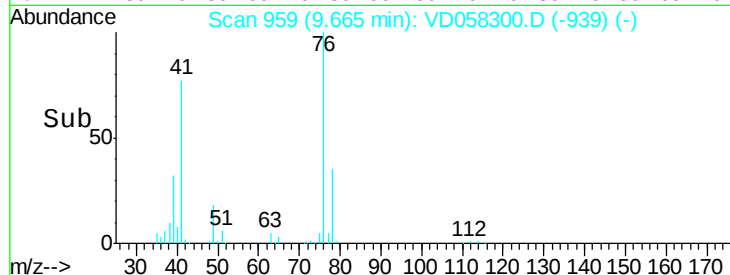
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 362.47 ug/l

RT: 8.19 min Scan# 809

Delta R.T. 0.00 min

Lab File: VD058300.D

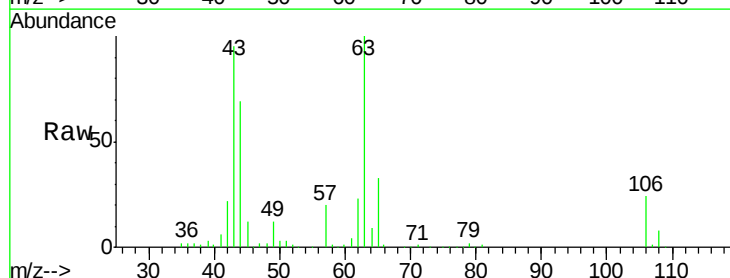
Acq: 22 Jun 2018 16:57

Tgt Ion: 63 Resp: 694542

Ion Ratio Lower Upper

63 100

106 24.4 18.0 27.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.19

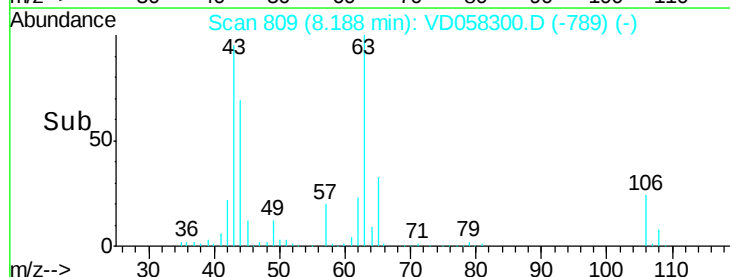
300000

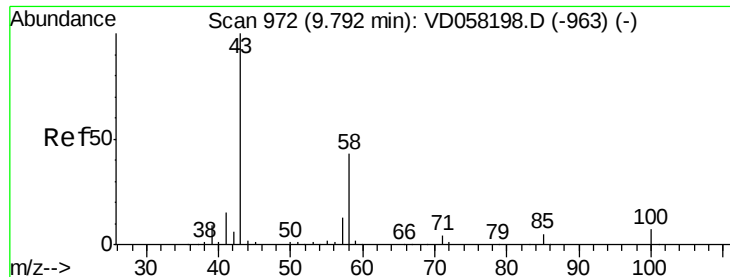
200000

100000

0

Time-->





#59

2-Hexanone

Concen: 384.75 ug/l

RT: 9.78 min Scan# 971

Delta R.T. -0.01 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MS

Tot Ion: 43 Resp: 928967

Ion Ratio Lower Upper

43 100

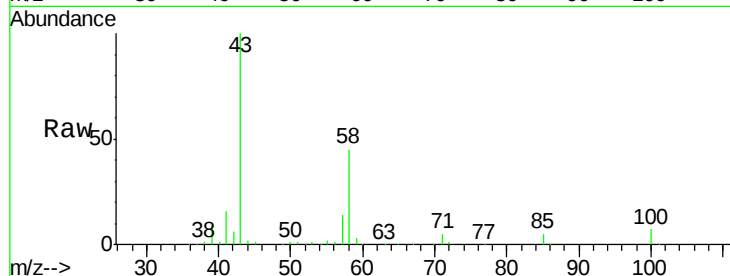
58 45.0 21.7 65.1

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.78

400000

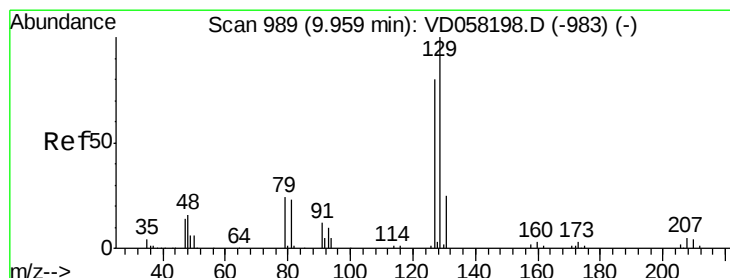
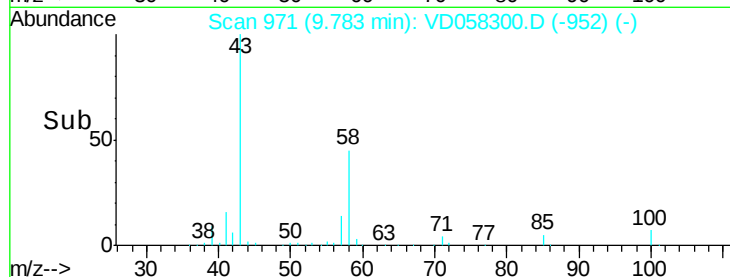
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: 79.46 ug/l

RT: 9.95 min Scan# 988

Delta R.T. -0.01 min

Lab File: VD058300.D

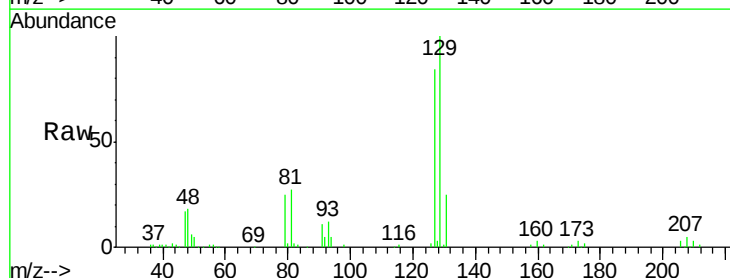
Acq: 22 Jun 2018 16:57

Tgt Ion:129 Resp: 349003

Ion Ratio Lower Upper

129 100

127 84.5 39.8 119.4



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.95

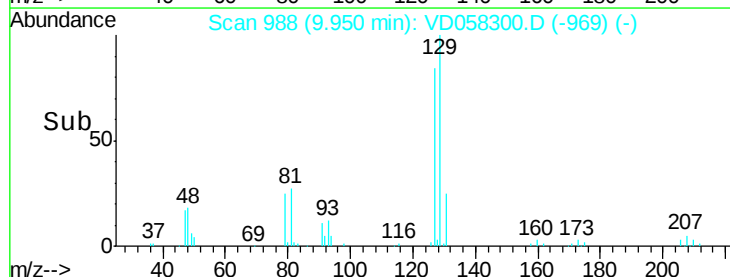
150000

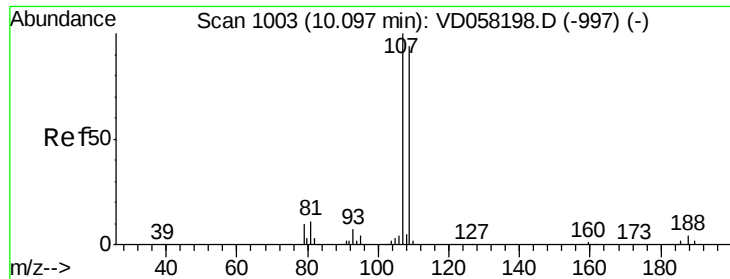
100000

50000

0

Time-->





#61

1,2-Dibromoethane

Concen: 77.64 ug/l

RT: 10.09 min Scan# 1002

Delta R.T. -0.01 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MS

Tot Ion: 107 Resp: 275005

Ion Ratio Lower Upper

107 100

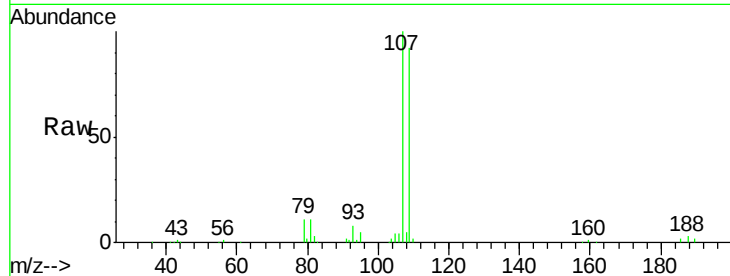
109 92.2 74.8 112.2

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.09

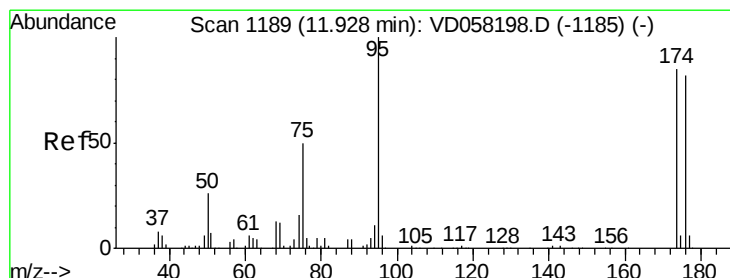
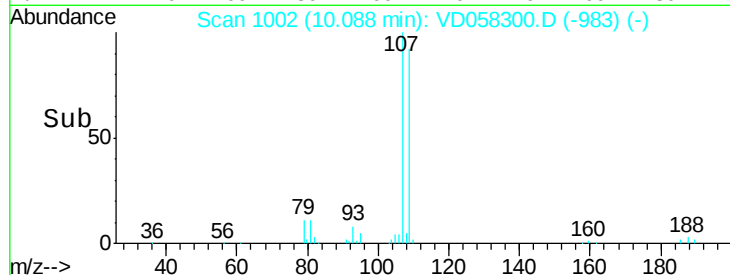
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 77.64 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

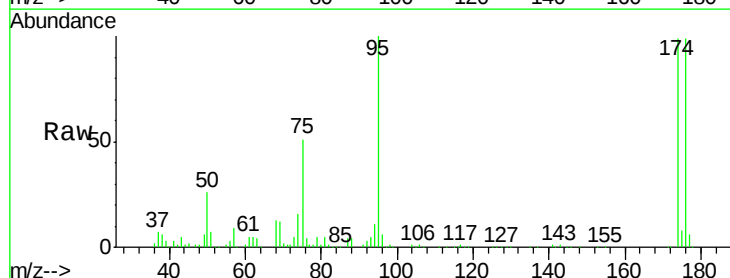
Tgt Ion: 95 Resp: 325652

Ion Ratio Lower Upper

95 100

174 98.7 0.0 170.2

176 99.5 0.0 164.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

11.93

300000

250000

200000

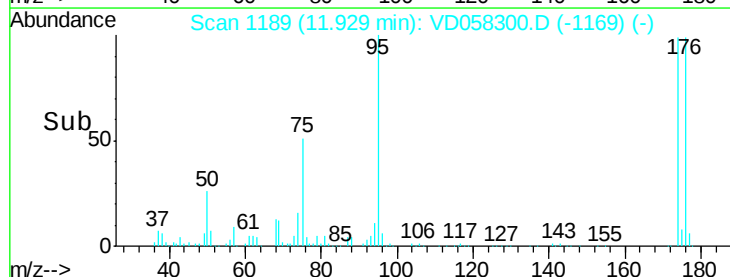
150000

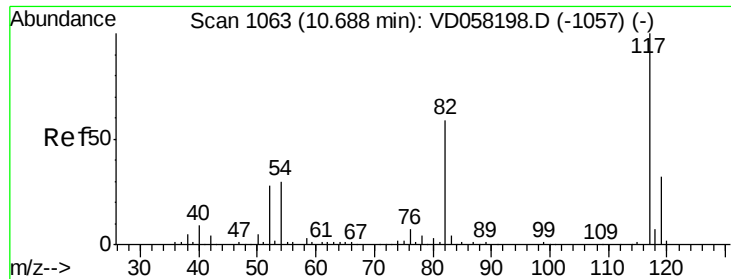
100000

50000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.69 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

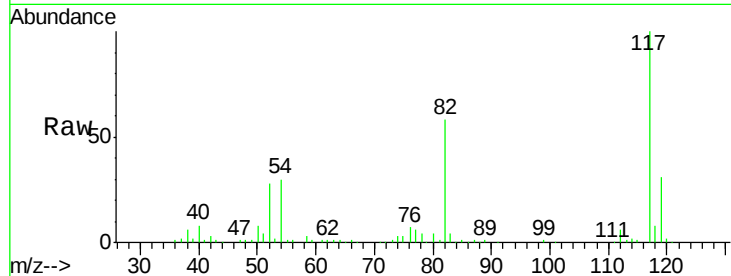
ClientSampleId :

WP021SB472-13-15-180618MS

Tot Ion:	117	Resp:	569045
Ion Ratio	Lower	Upper	
117	100		
82	58.1	47.0	70.6
119	31.3	25.3	37.9

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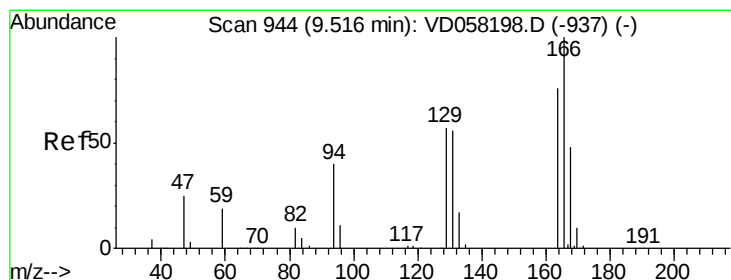
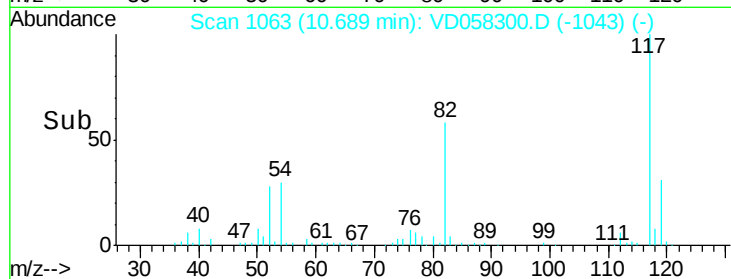
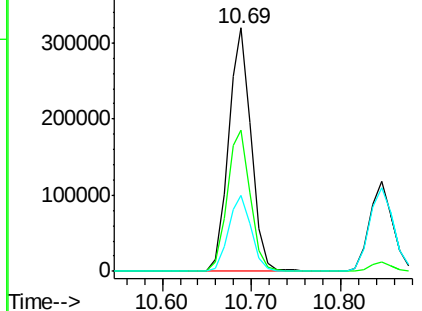
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Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64

Tetrachloroethene

Concen: 79.82 ug/l

RT: 9.51 min Scan# 943

Delta R.T. -0.01 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

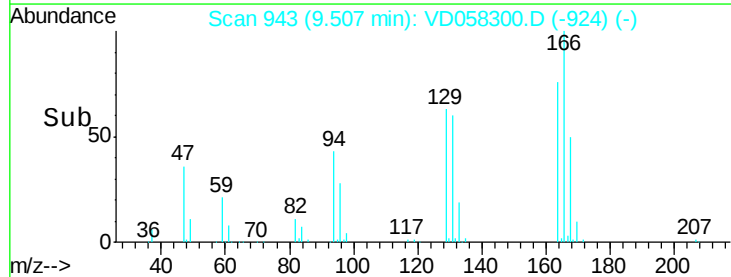
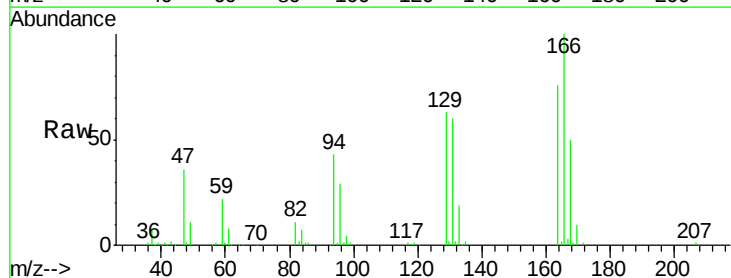
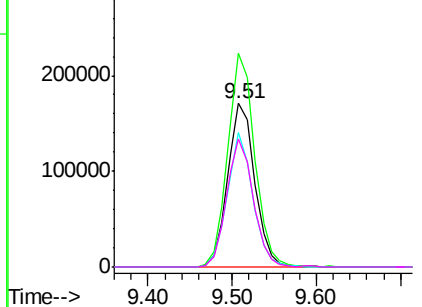
Tgt Ion:	164	Resp:	382203
Ion Ratio	Lower	Upper	
164	100		
166	130.7	105.4	158.0
129	82.1	59.6	89.4
131	78.3	59.4	89.2

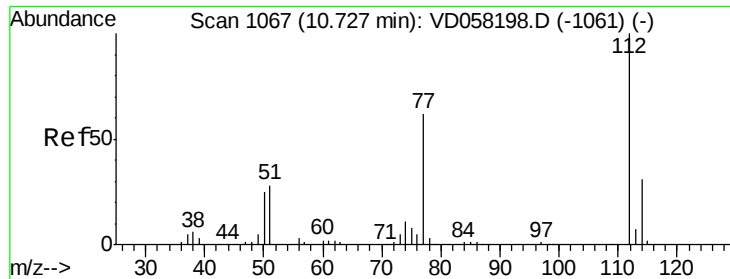
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





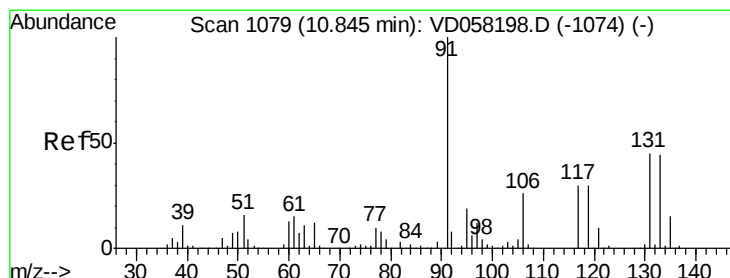
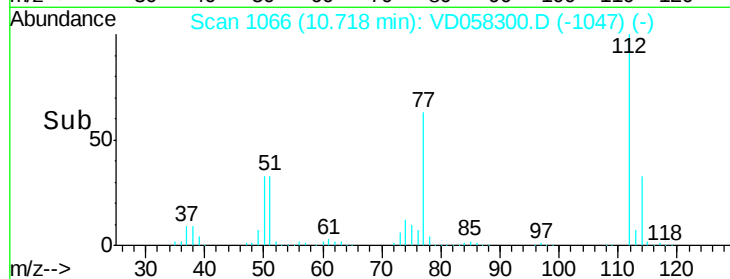
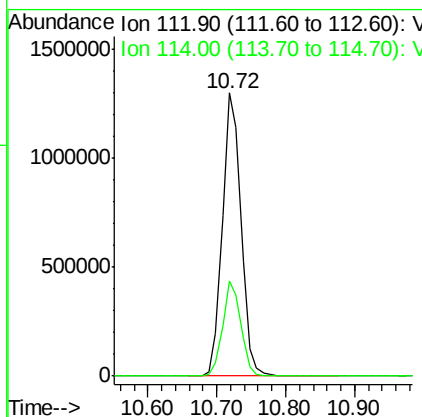
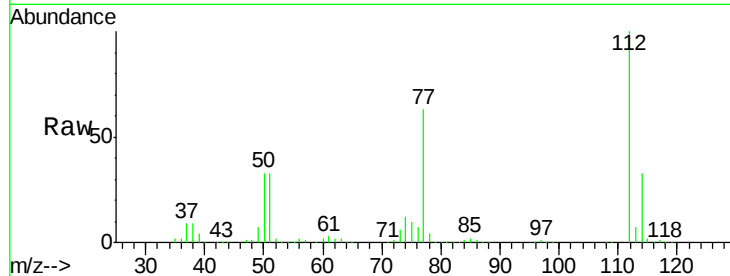
#65
Chlorobenzene
Concen: 228.97 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MS

Tot Ion:112 Resp: 2437180
Ion Ratio Lower Upper
112 100
114 33.5 25.0 37.4

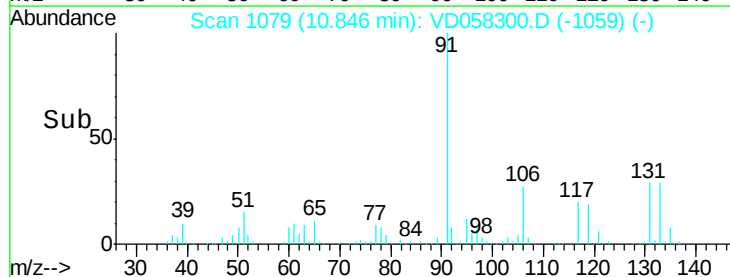
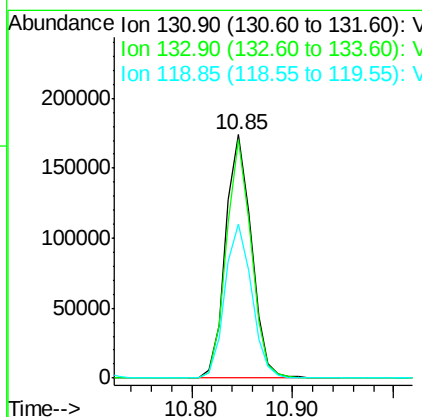
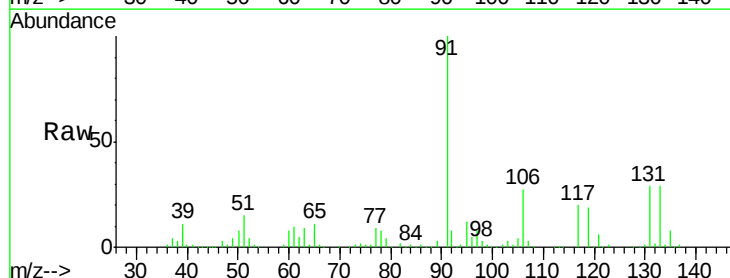
Manual Integrations
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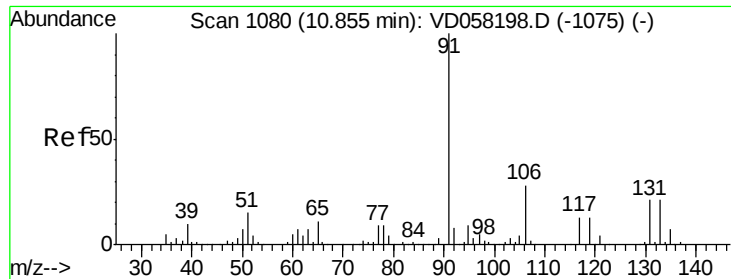
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 75.57 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

Tgt Ion:131 Resp: 310405
Ion Ratio Lower Upper
131 100
133 97.9 48.6 145.9
119 63.4 33.0 99.0





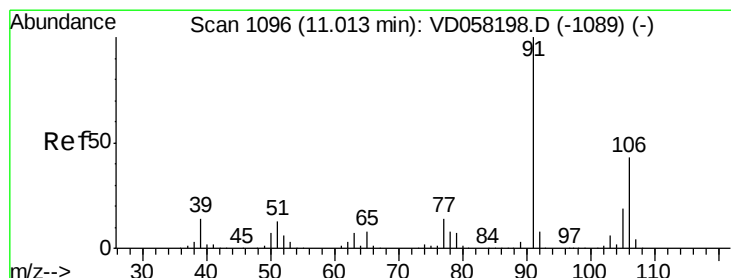
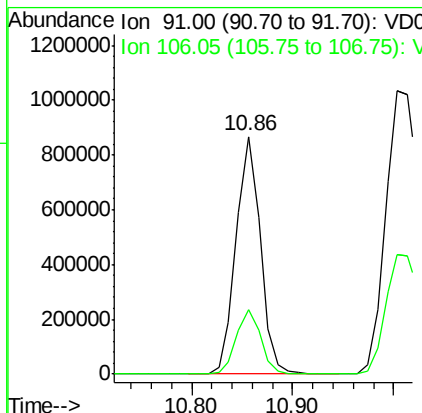
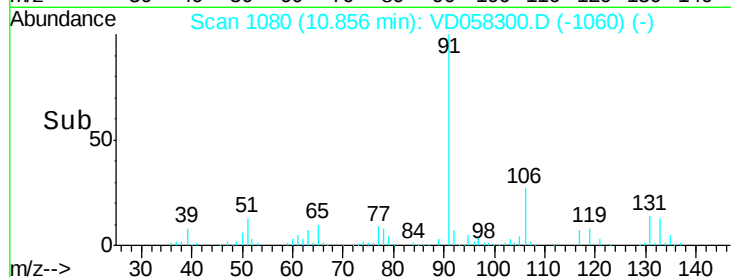
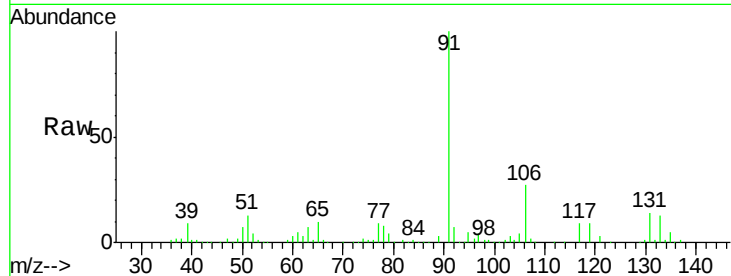
#67
Ethyl Benzene
Concen: 77.80 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MS

Tot Ion: 91 Resp: 1462097
Ion Ratio Lower Upper
91 100
106 27.4 22.0 33.0

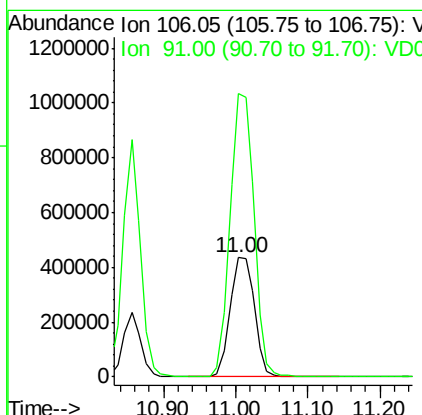
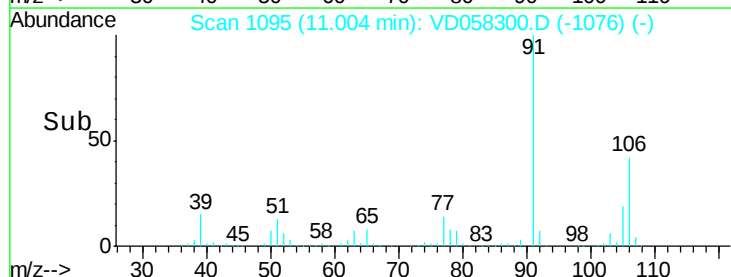
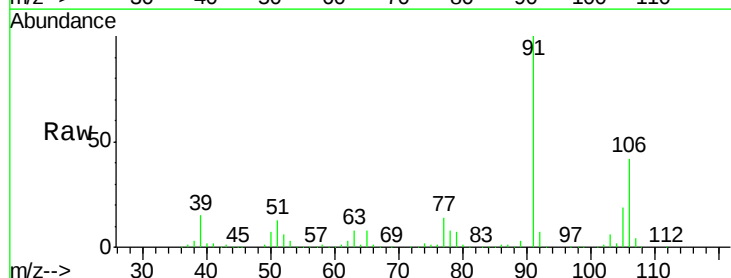
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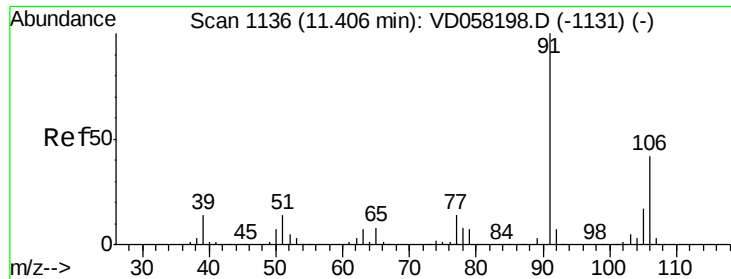
apatel
6/24/2018 11:57:04 AM



#68
m/p-Xylenes
Concen: 162.85 ug/l
RT: 11.00 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

Tgt Ion: 106 Resp: 1020514
Ion Ratio Lower Upper
106 100
91 237.3 185.0 277.6





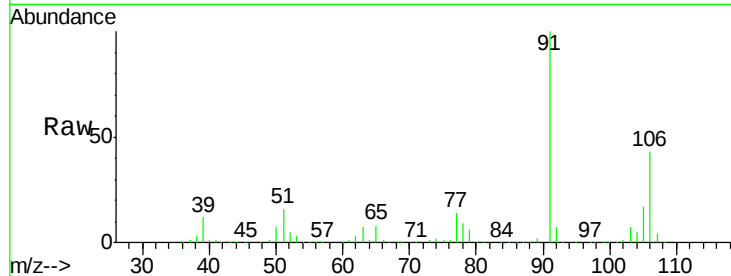
#69
o-Xylene
Concen: 78.28 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MS

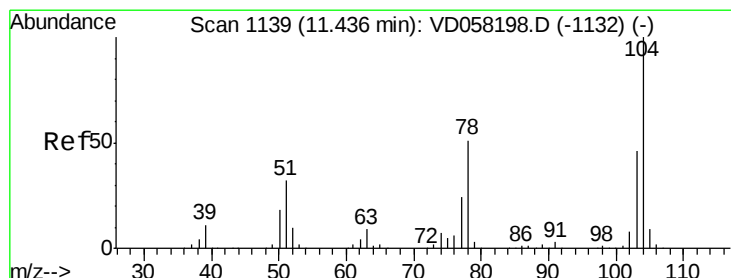
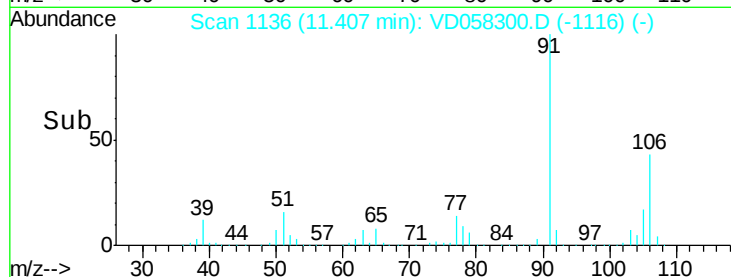
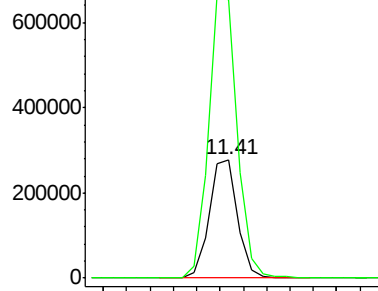
Tot Ion:106 Resp: 468505
Ion Ratio Lower Upper
106 100
91 234.2 120.2 360.6

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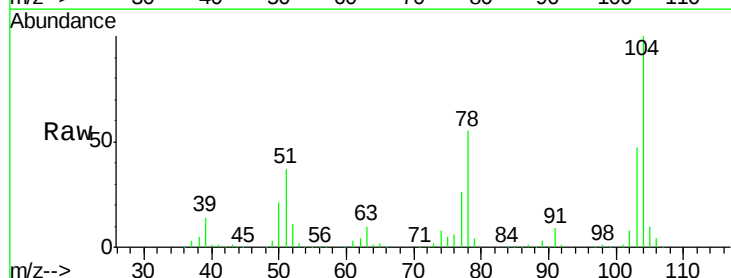


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

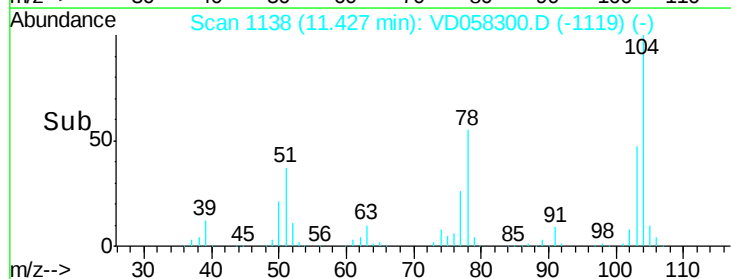
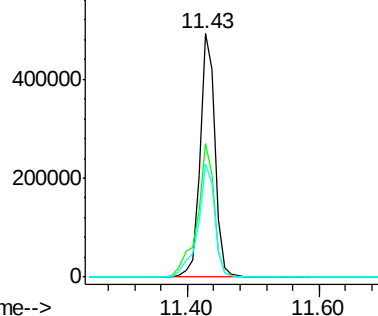


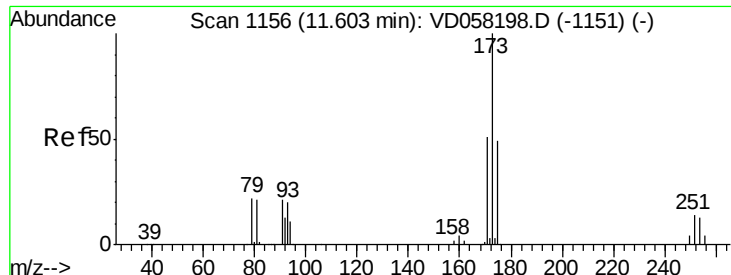
#70
Styrene
Concen: 76.75 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

Tgt Ion:104 Resp: 783906
Ion Ratio Lower Upper
104 100
78 55.0 40.8 61.2
103 46.7 37.0 55.6



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 72.82 ug/l

RT: 11.59 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

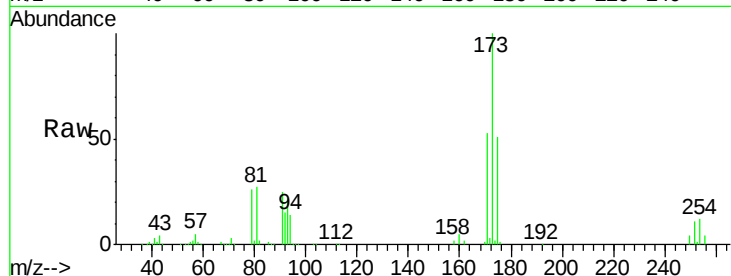
ClientSampleId :

WP021SB472-13-15-180618MS

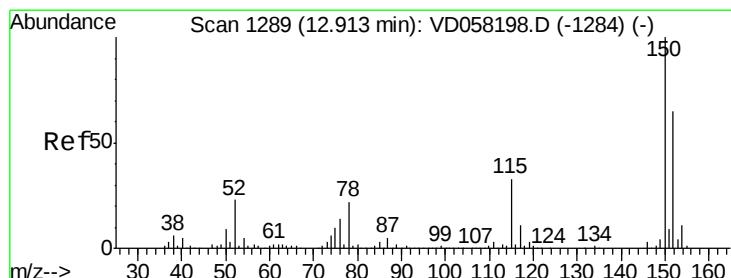
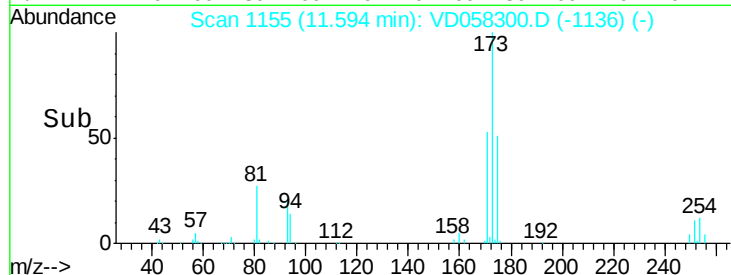
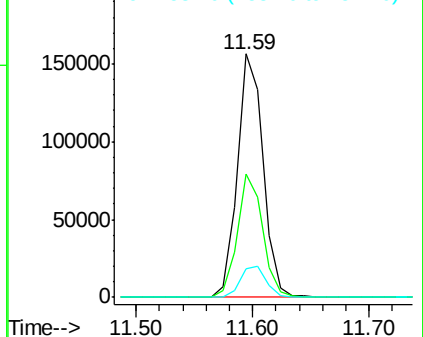
Tot Ion:	173	Resp:	238622
Ion Ratio	Lower	Upper	
173	100		
175	50.8	24.6	74.0
254	11.5	10.3	15.5

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Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

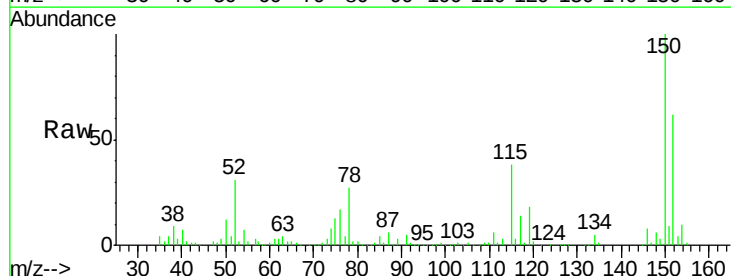
RT: 12.90 min Scan# 1288

Delta R.T. -0.01 min

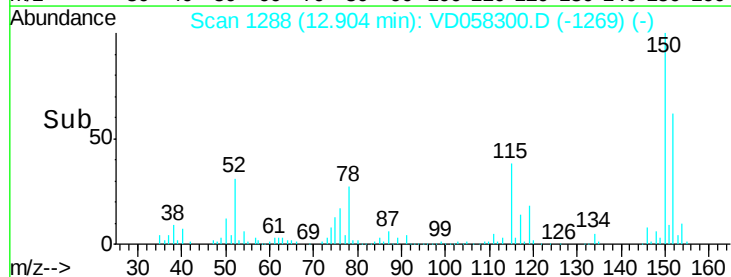
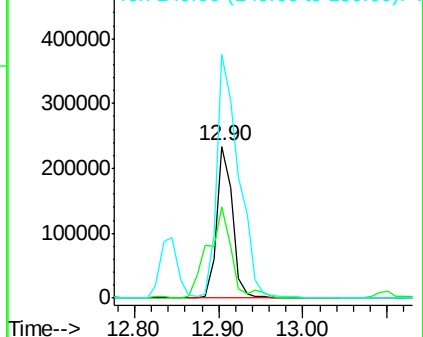
Lab File: VD058300.D

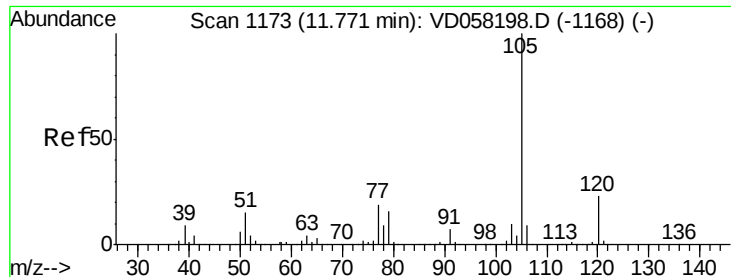
Acq: 22 Jun 2018 16:57

Tgt Ion:	152	Resp:	303883
Ion Ratio	Lower	Upper	
152	100		
115	60.3	25.1	75.3
150	160.2	0.0	308.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 73.75 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

ClientSampleID :

WP021SB472-13-15-180618MS

Tot Ion: 105 Resp: 1340476

Ion Ratio Lower Upper

105 100

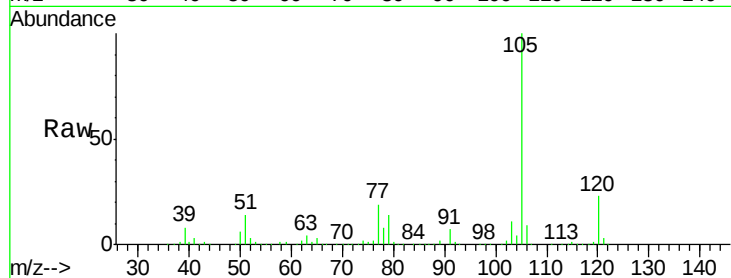
120 23.1 11.6 34.8

Manual Integrations

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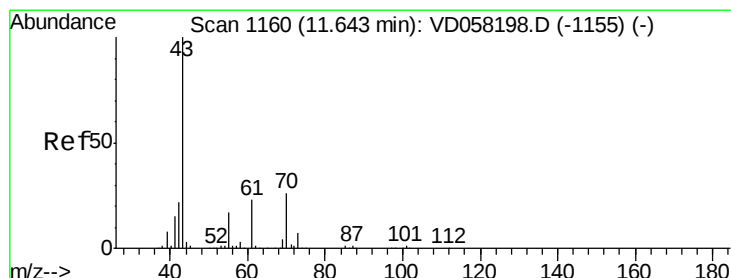
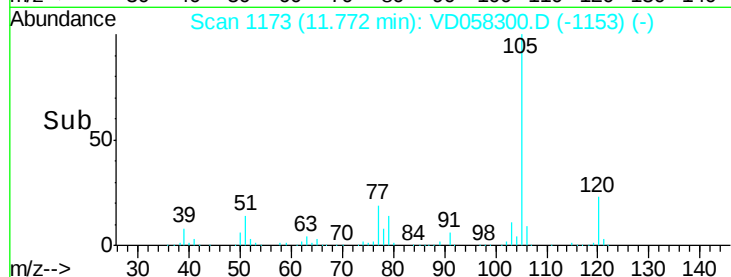
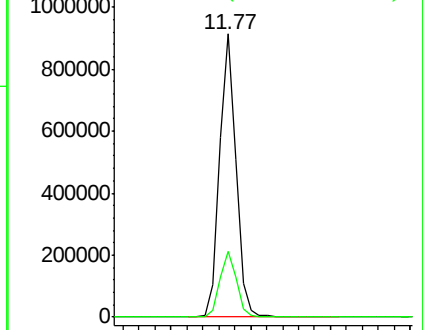
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 69.41 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Tgt Ion: 43 Resp: 487853

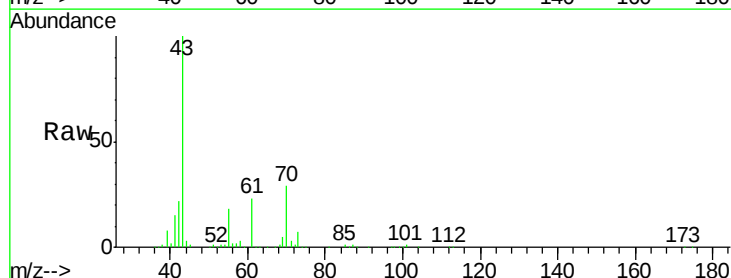
Ion Ratio Lower Upper

43 100

70 28.8 20.9 31.3

55 17.7 13.5 20.3

61 23.0 18.2 27.2

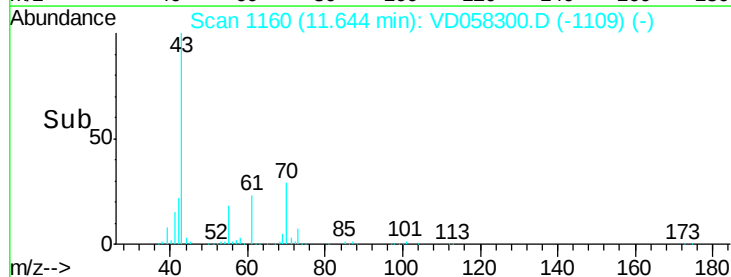
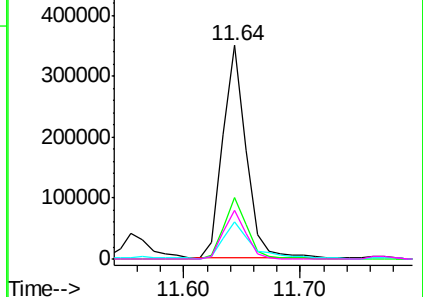


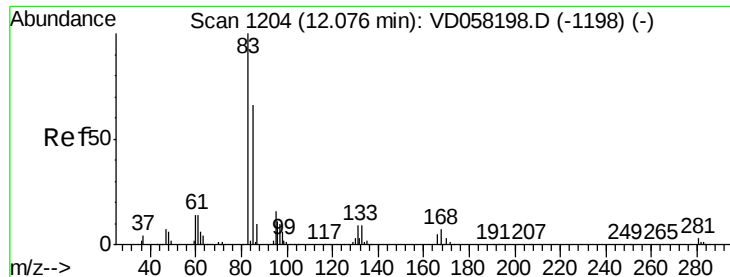
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 67.56 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

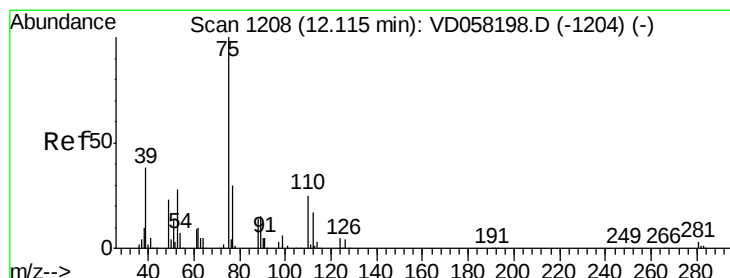
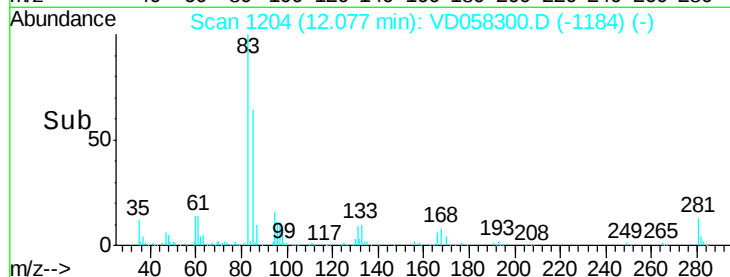
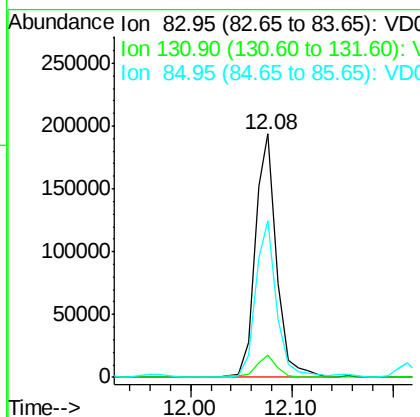
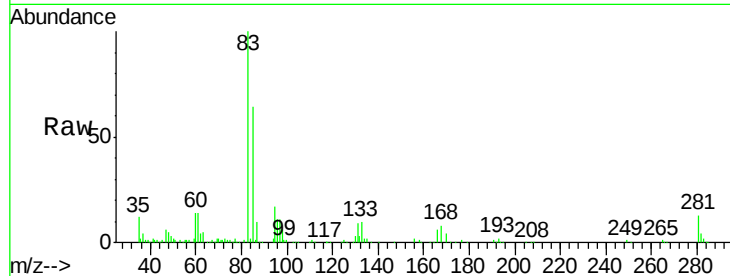
ClientSampleId :

WP021SB472-13-15-180618MS

Tot Ion:	83	Resp:	285776
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.8	14.3
85	64.2	33.1	99.5

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#76

1,2,3-Trichloropropane

Concen: 65.85 ug/l

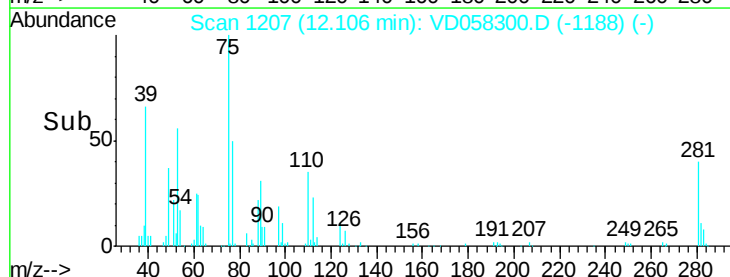
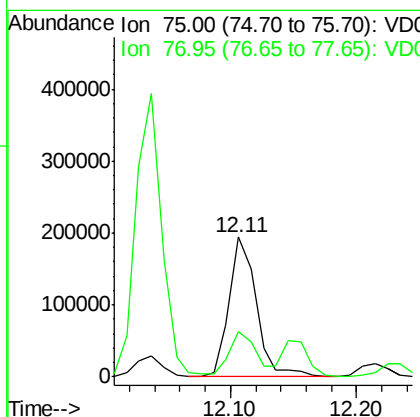
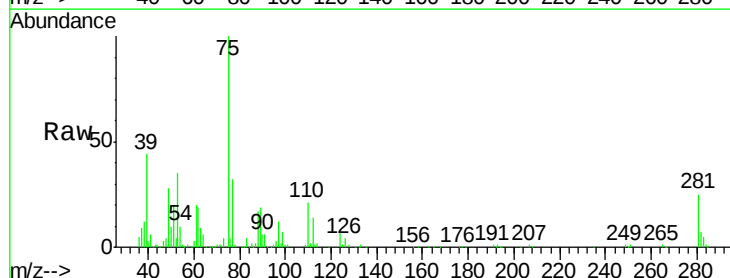
RT: 12.11 min Scan# 1207

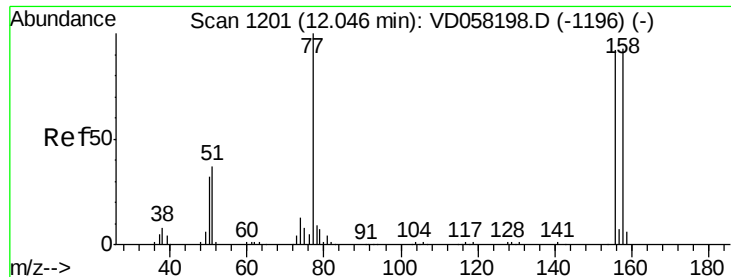
Delta R.T. -0.01 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Tgt Ion:	75	Resp:	292144
Ion Ratio	Lower	Upper	
75	100		
77	32.0	16.0	47.9





#77

Bromobenzene

Concen: 77.15 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MS

Tot Ion: 156 Resp: 419918

Ion Ratio Lower Upper

156 100

77 129.7 54.5 163.6

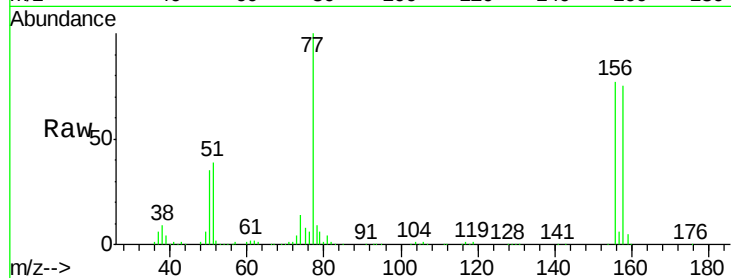
158 96.8 50.8 152.5

Manual Integrations

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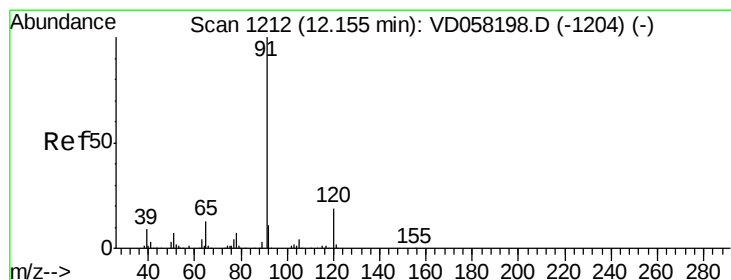
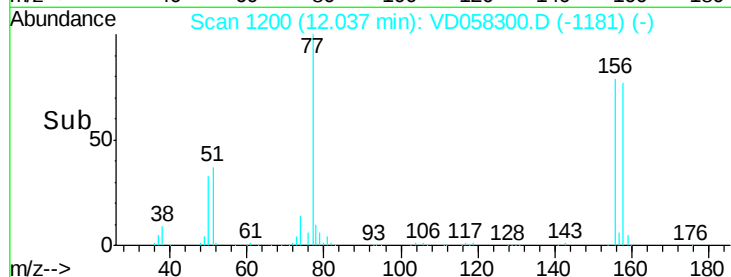
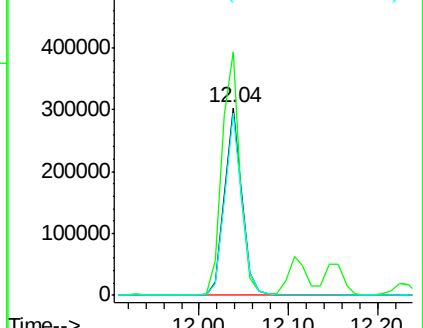
6/24/2018 11:57:04 AM



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 76.98 ug/l

RT: 12.16 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VD058300.D

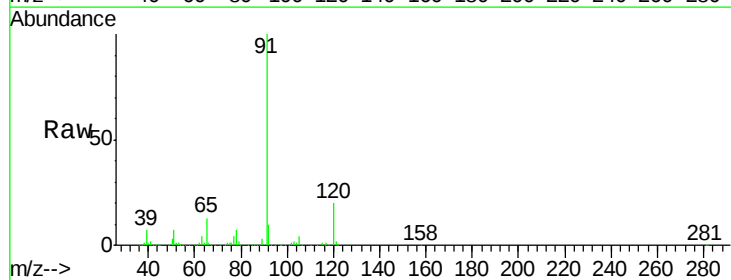
Acq: 22 Jun 2018 16:57

Tgt Ion: 91 Resp: 1807027

Ion Ratio Lower Upper

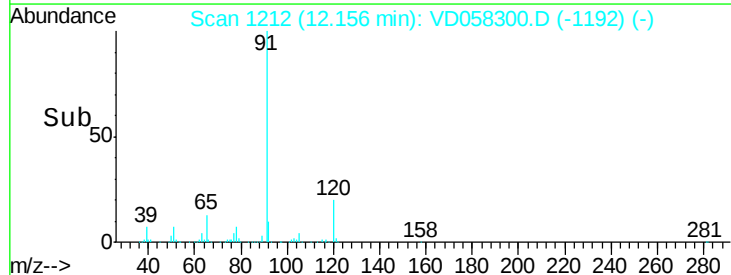
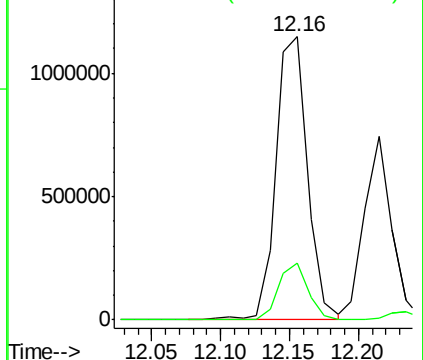
91 100

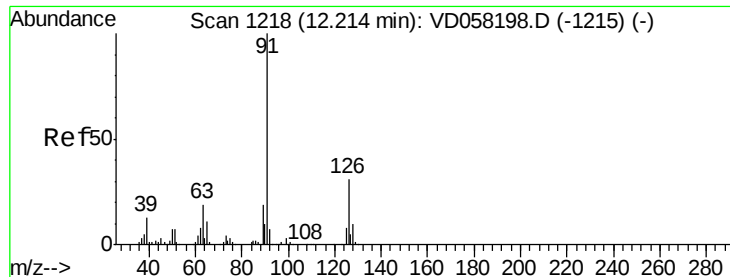
120 20.1 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 76.75 ug/l

RT: 12.21 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MS

Tot Ion: 91 Resp: 1030978

Ion Ratio Lower Upper

91 100

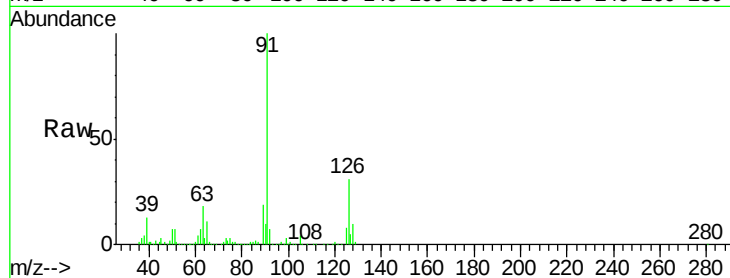
126 30.5 14.9 44.5

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Abundance Ion 91.00 (90.70 to 91.70): VD058198.D (-1215) (-)

Ion 125.95 (125.65 to 126.65): VD058198.D (-1215) (-)

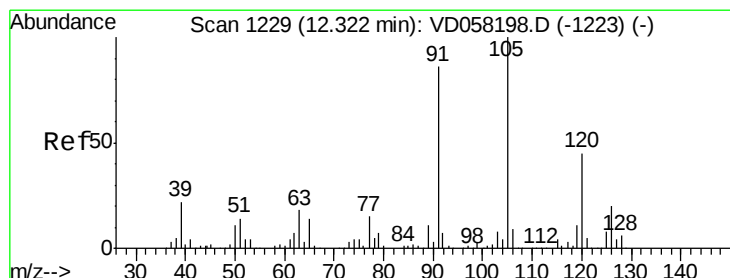
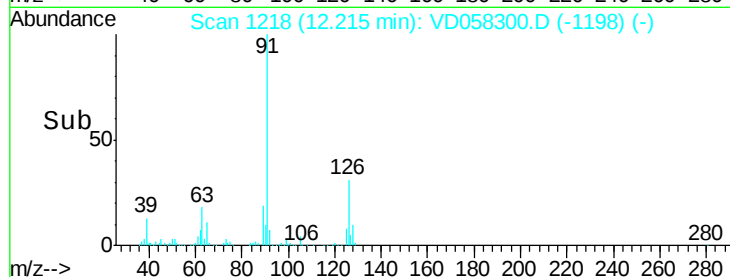
1000000

500000

0

12.15 12.20 12.25 12.30

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 83.27 ug/l

RT: 12.31 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VD058300.D

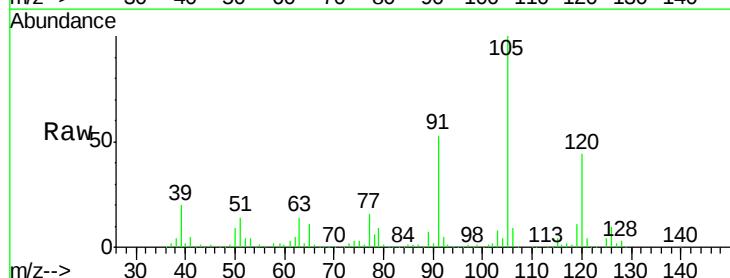
Acq: 22 Jun 2018 16:57

Tgt Ion: 105 Resp: 1180604

Ion Ratio Lower Upper

105 100

120 43.9 22.5 67.5



Abundance Ion 105.05 (104.75 to 105.75): VD058198.D (-1223) (-)

Ion 120.05 (119.75 to 120.75): VD058198.D (-1223) (-)

800000

600000

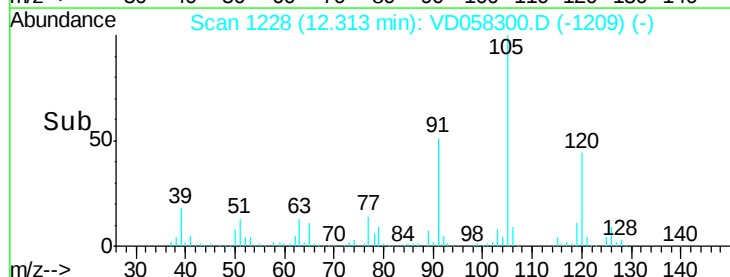
400000

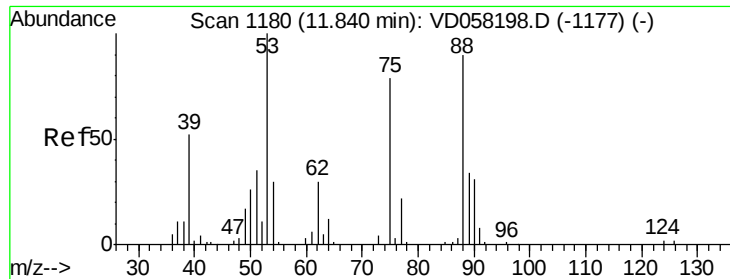
200000

0

12.30 12.40

Time-->





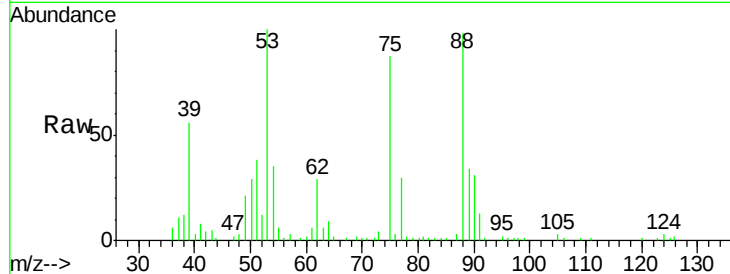
#81
trans-1,4-Dichloro-2-butene
Concen: 67.81 ug/l
RT: 11.84 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MS

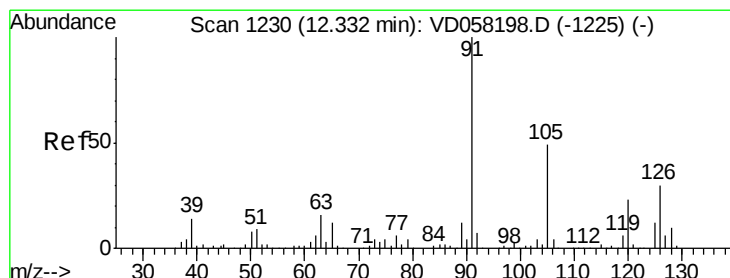
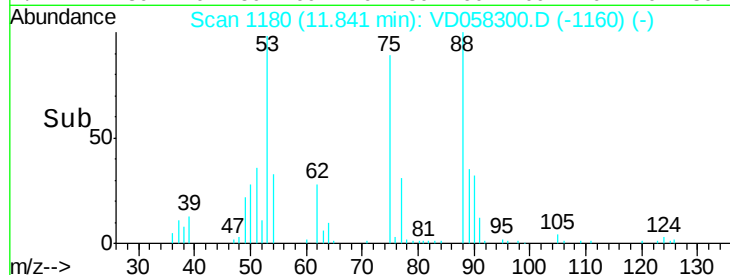
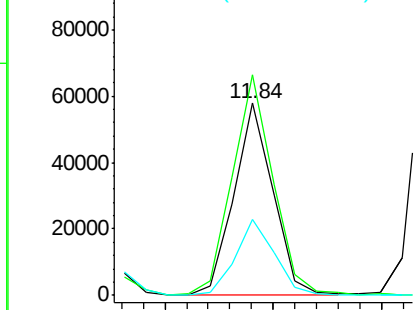
Tot Ion: 75 Resp: 73379
Ion Ratio Lower Upper
75 100
53 115.0 100.8 151.2
89 39.6 34.6 52.0

Manual Integrations
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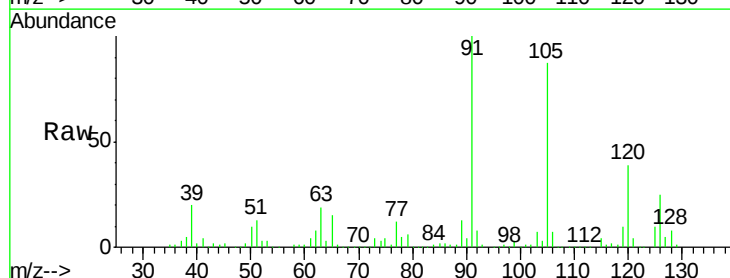


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

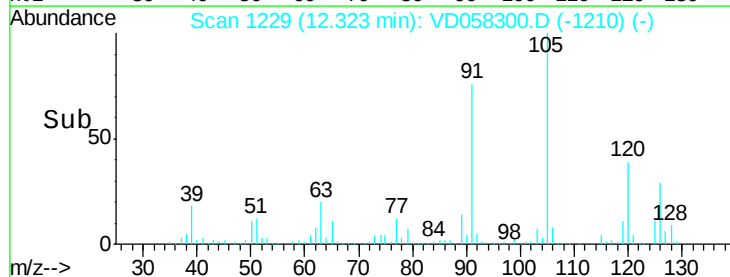
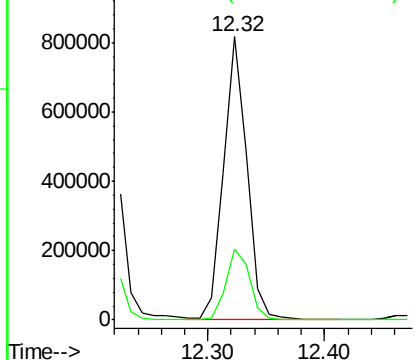


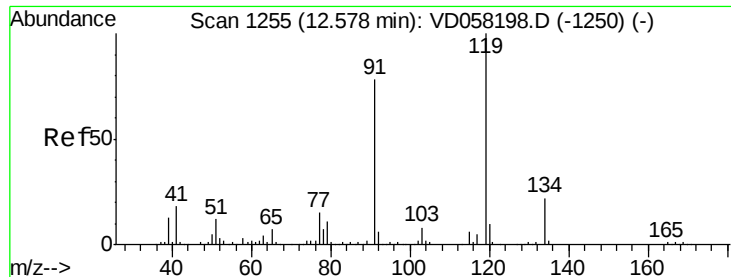
#82
4-Chlorotoluene
Concen: 90.57 ug/l
RT: 12.32 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

Tgt Ion: 91 Resp: 1127796
Ion Ratio Lower Upper
91 100
126 25.1 14.9 44.9



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 76.43 ug/l

RT: 12.58 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MS

Tot Ion:119 Resp: 1245737

Ion Ratio Lower Upper

119 100

91 71.2 38.9 116.6

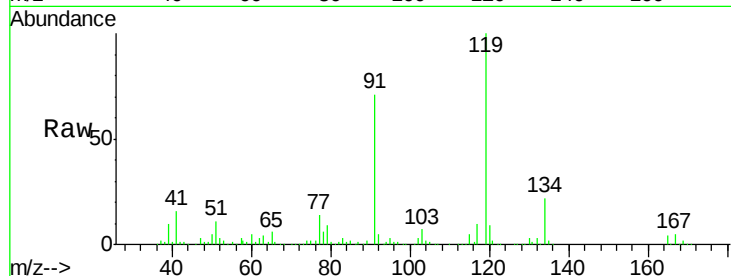
134 22.5 11.2 33.5

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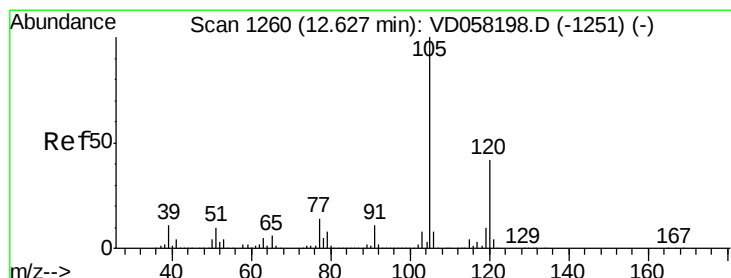
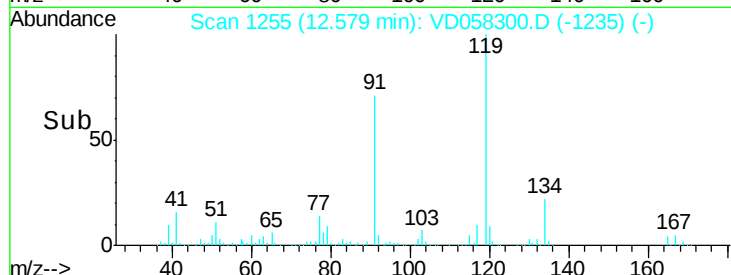
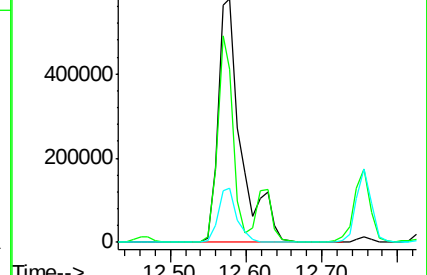
6/24/2018 11:57:04 AM



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 101.16 ug/l

RT: 12.63 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VD058300.D

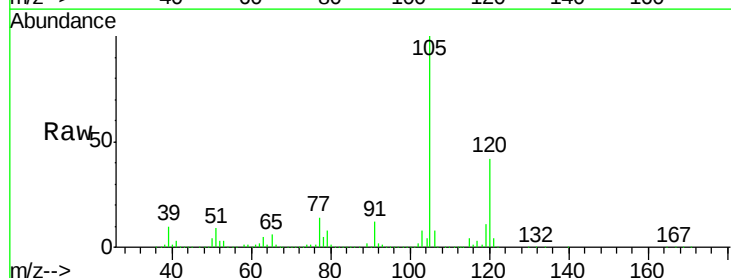
Acq: 22 Jun 2018 16:57

Tgt Ion:105 Resp: 1558960

Ion Ratio Lower Upper

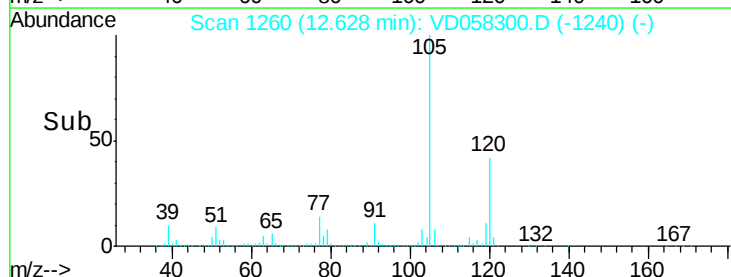
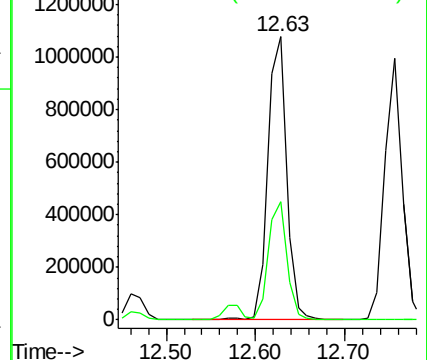
105 100

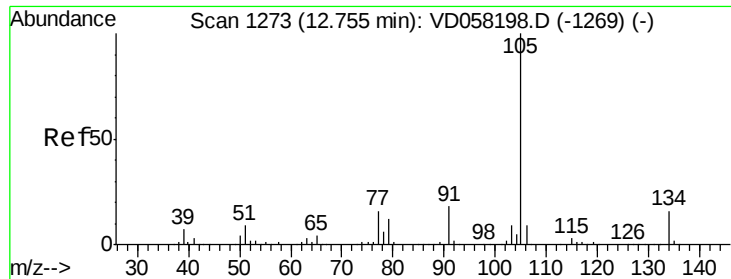
120 41.8 20.8 62.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 69.99 ug/l

RT: 12.76 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MS

Tot Ion:105 Resp: 1337258

Ion Ratio Lower Upper

105 100

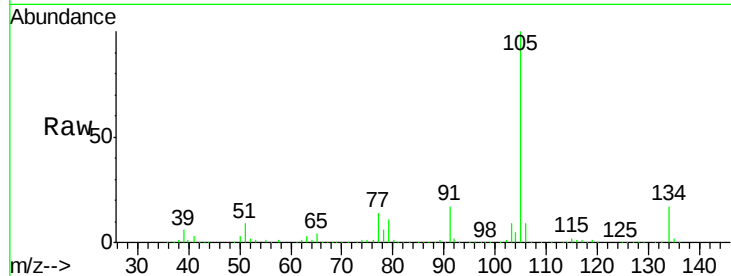
134 17.4 8.1 24.3

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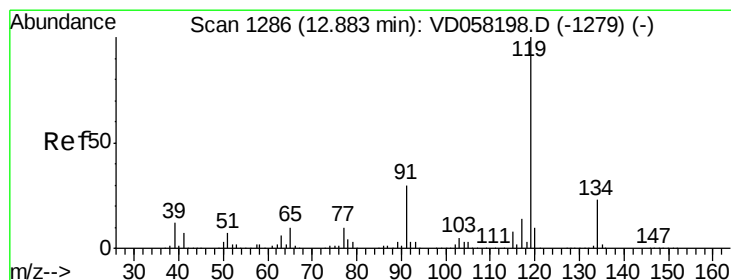
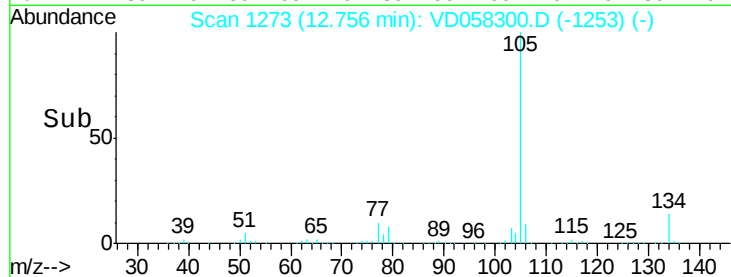
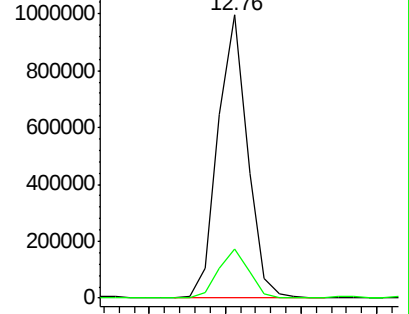
apatel

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 75.19 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

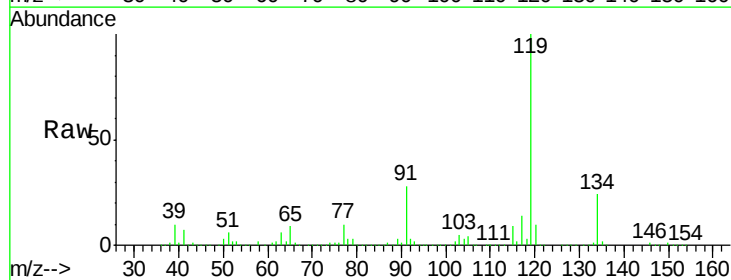
Tgt Ion:119 Resp: 1164059

Ion Ratio Lower Upper

119 100

134 23.6 11.6 34.8

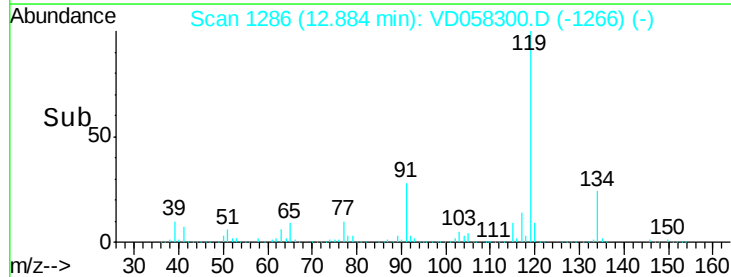
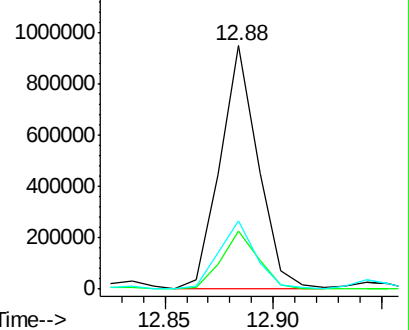
91 28.2 15.0 45.1

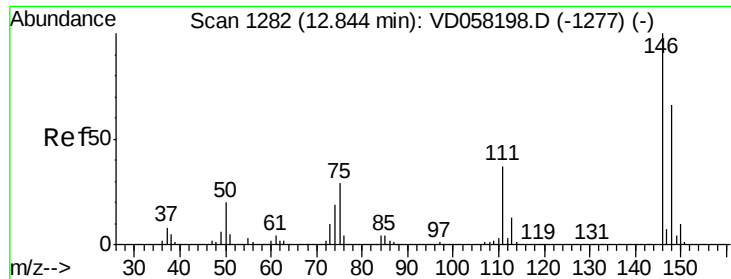


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 142.07 ug/l

RT: 12.84 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MS

Tot Ion:146 Resp: 1344001

Ion Ratio Lower Upper

146 100

111 36.7 18.4 55.0

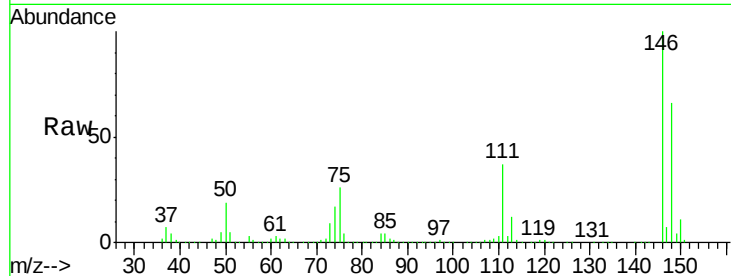
148 66.1 32.8 98.4

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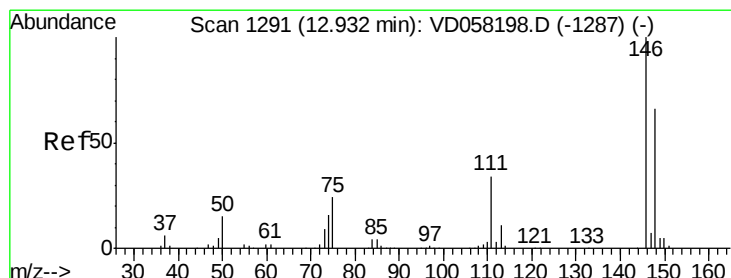
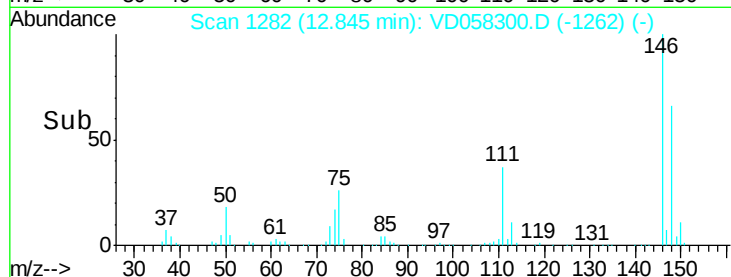
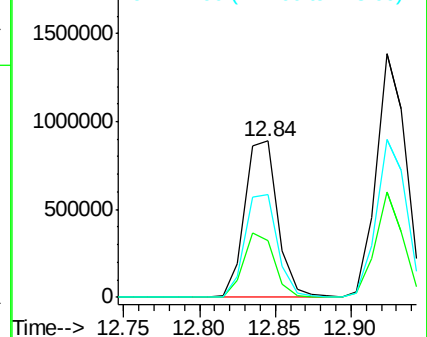
6/24/2018 11:57:04 AM



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 210.25 ug/l

RT: 12.92 min Scan# 1290

Delta R.T. -0.01 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

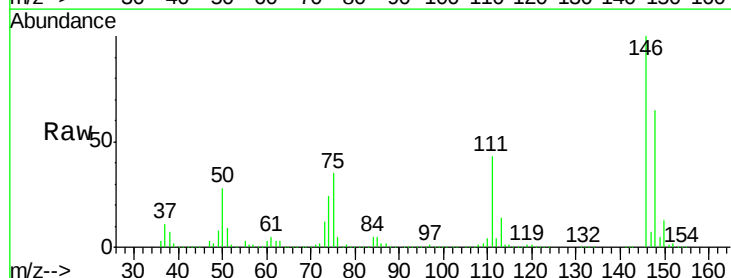
Tgt Ion:146 Resp: 1942350

Ion Ratio Lower Upper

146 100

111 43.1 17.2 51.5

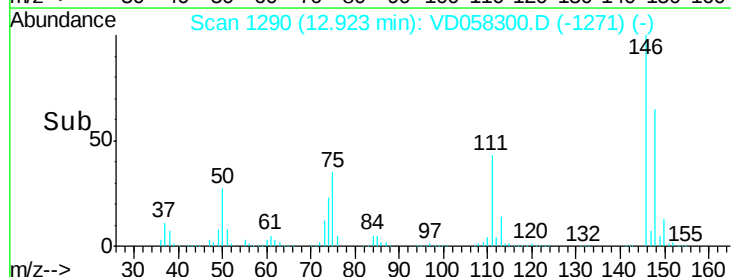
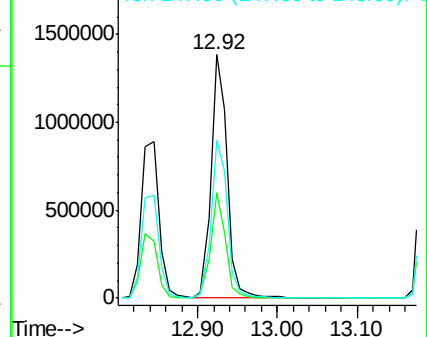
148 64.7 33.1 99.3

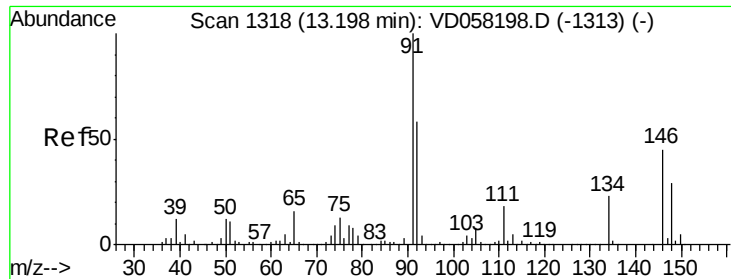


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





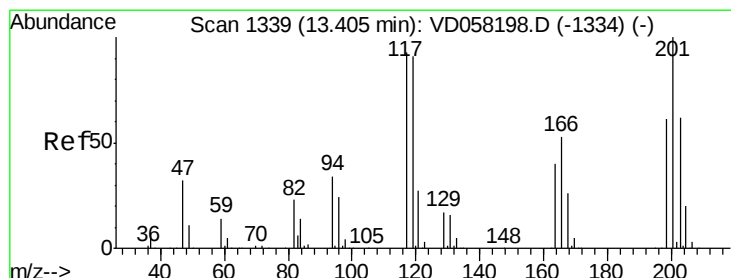
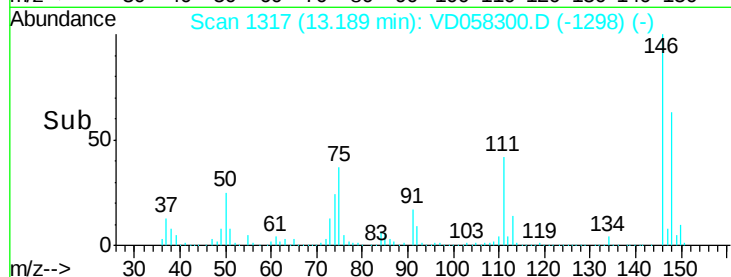
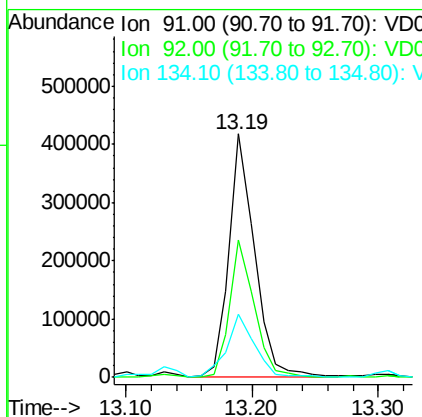
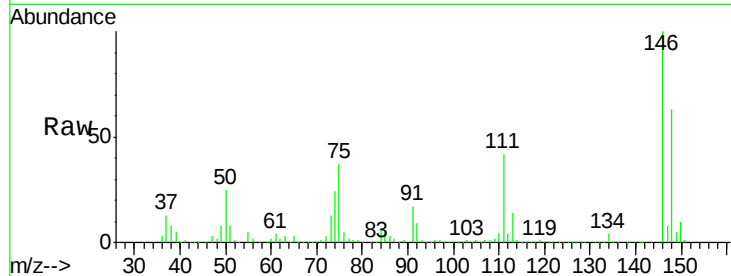
#89
n-Butylbenzene
Concen: 35.80 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

Instrument :
MSVOA_D
ClientSampleId :
WP021SB472-13-15-180618MS

Tot Ion	Ratio	Lower	Upper
91	100		
92	56.2	29.2	87.6
134	25.8	11.3	33.8

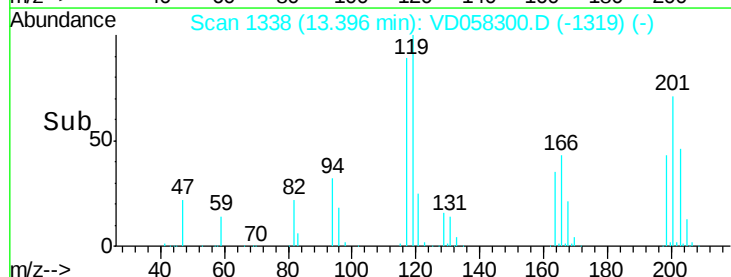
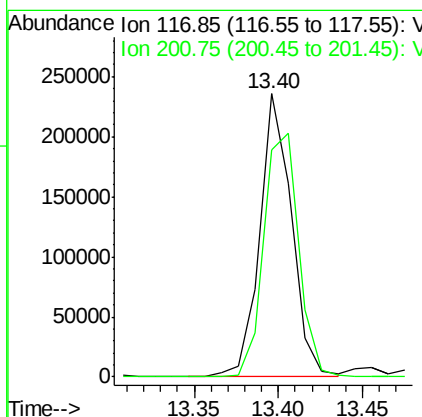
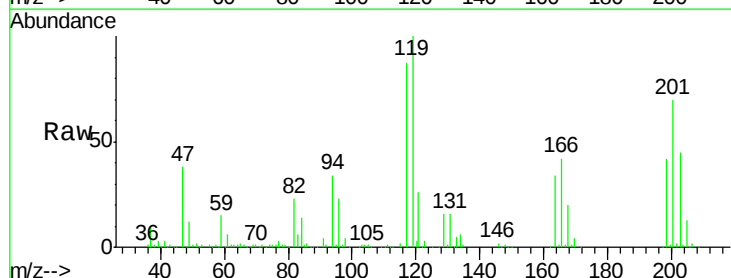
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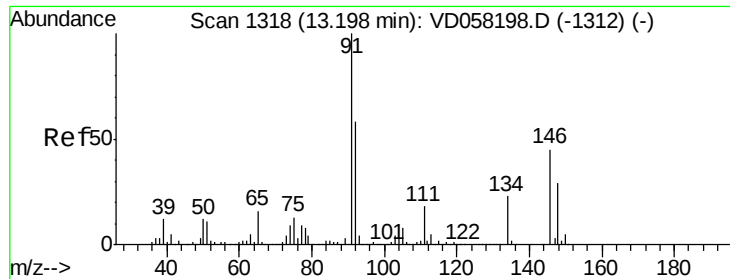
apatel
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#90
Hexachloroethane
Concen: 76.84 ug/l
RT: 13.40 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VD058300.D
Acq: 22 Jun 2018 16:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.2	53.8	161.4





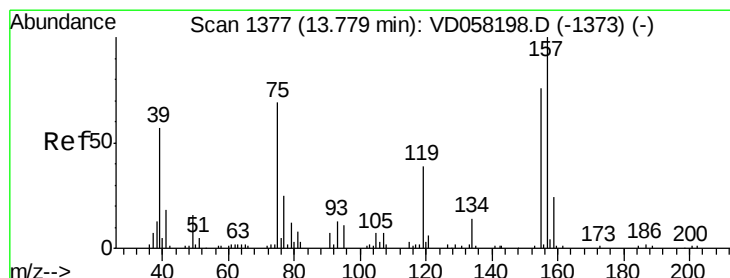
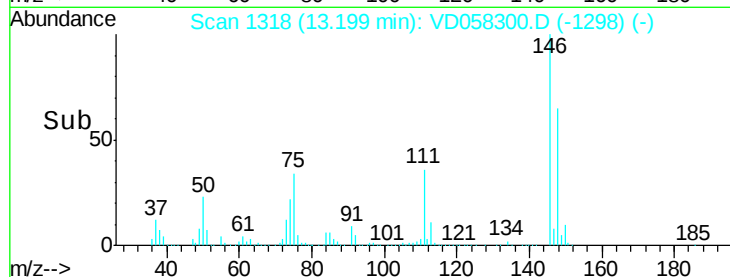
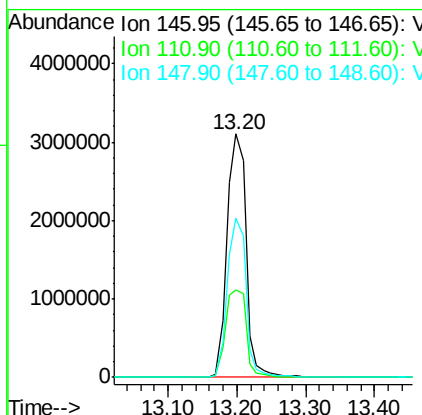
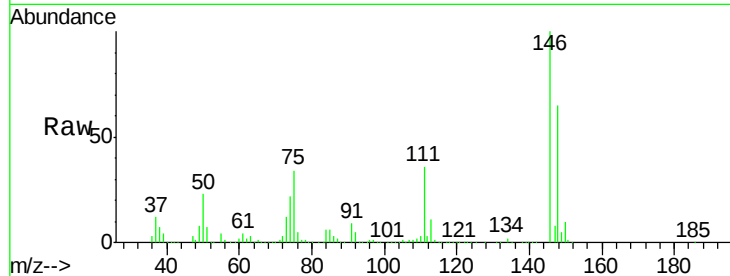
#91
 1,2-Dichlorobenzene
 Concen: 738.36 ug/l
 RT: 13.20 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: VD058300.D
 Acq: 22 Jun 2018 16:57

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-13-15-180618MS

Tot Ion:146 Resp: 5944350
 Ion Ratio Lower Upper
 146 100
 111 35.8 19.6 58.7
 148 65.1 32.0 96.2

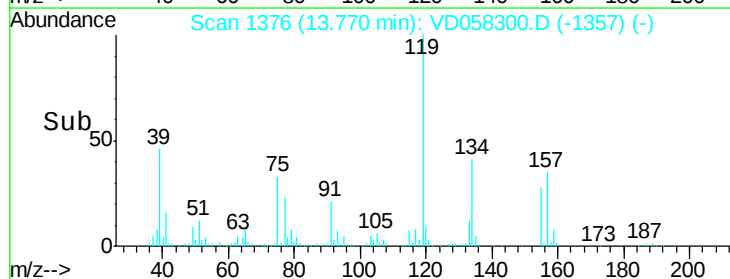
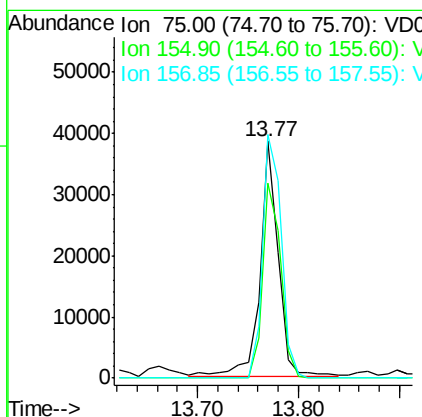
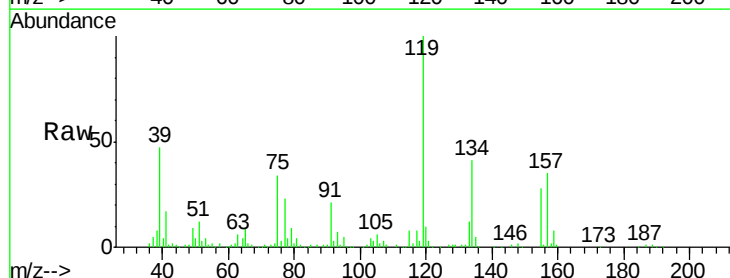
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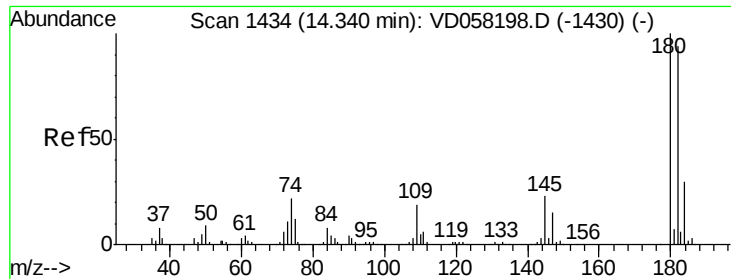
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 71.76 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VD058300.D
 Acq: 22 Jun 2018 16:57

Tgt Ion: 75 Resp: 48306
 Ion Ratio Lower Upper
 75 100
 155 82.4 54.5 163.5
 157 102.7 72.0 215.9





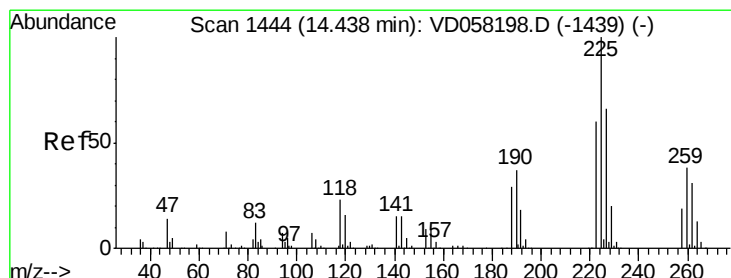
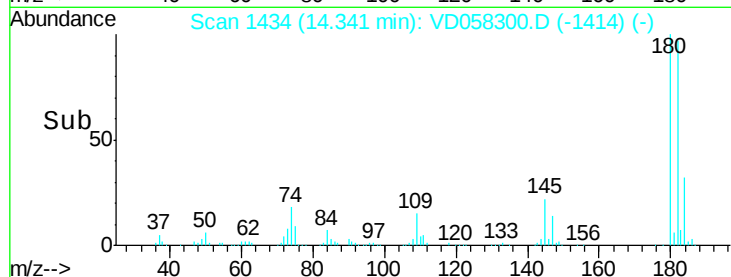
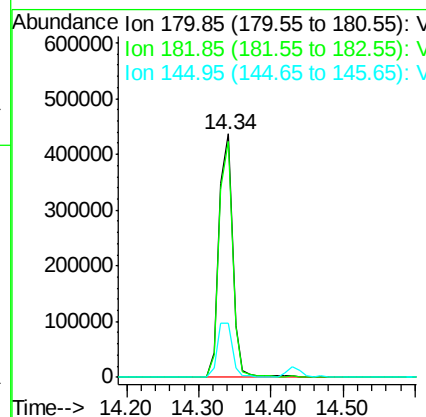
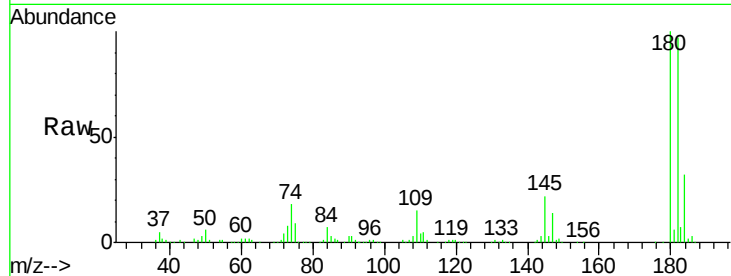
#93
 1,2,4-Trichlorobenzene
 Concen: 73.90 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD058300.D
 Acq: 22 Jun 2018 16:57

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-13-15-180618MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.8	47.1	141.3	
145	22.1	11.7	35.0	

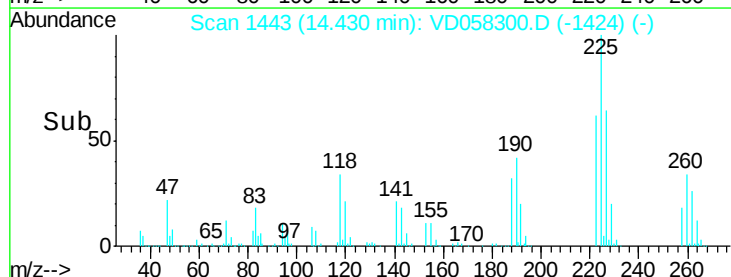
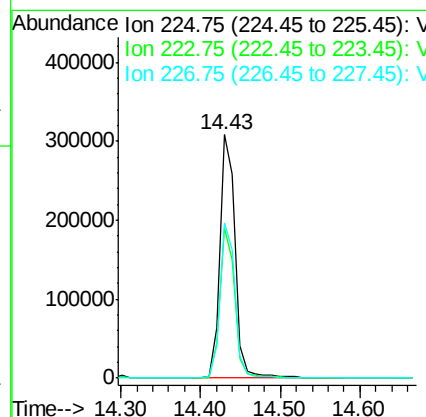
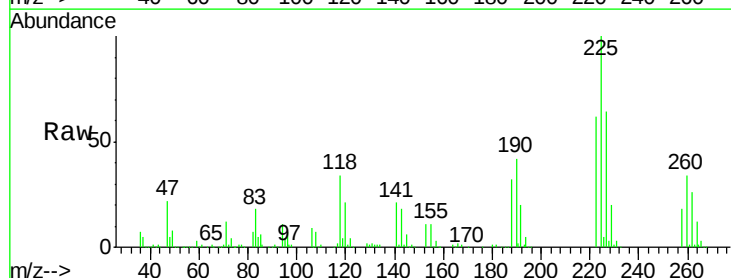
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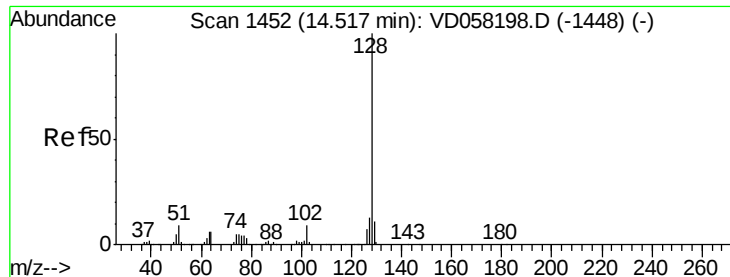
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#94
 Hexachlorobutadiene
 Concen: 69.09 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: VD058300.D
 Acq: 22 Jun 2018 16:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.7	30.1	90.3	
227	63.7	33.0	98.9	





#95

Naphthalene

Concen: 100.84 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

WP021SB472-13-15-180618MS

Tot Ion:128 Resp: 1022747

Ion Ratio Lower Upper

128 100

127 12.4 10.0 15.0

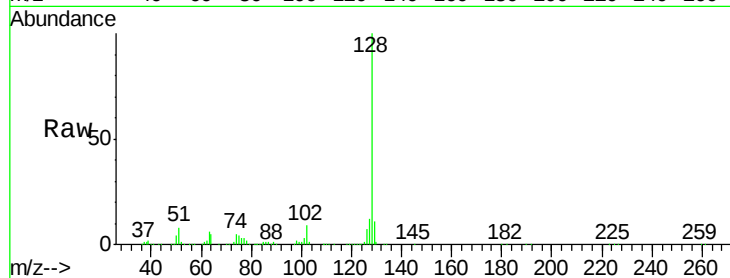
129 10.5 8.7 13.1

Manual Integrations

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apatel

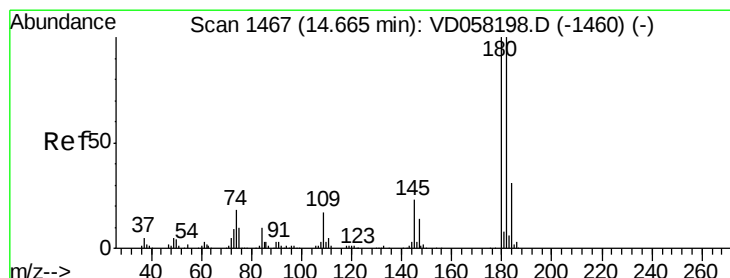
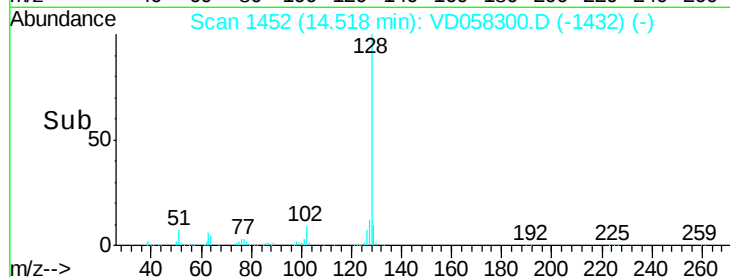
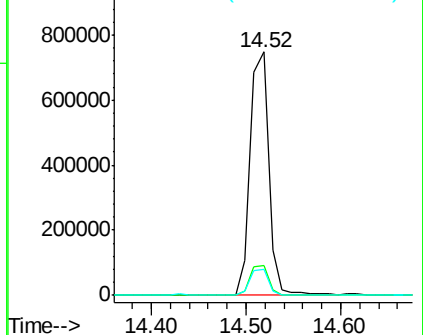
6/24/2018 11:57:04 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 66.98 ug/l

RT: 14.66 min Scan# 1466

Delta R.T. -0.01 min

Lab File: VD058300.D

Acq: 22 Jun 2018 16:57

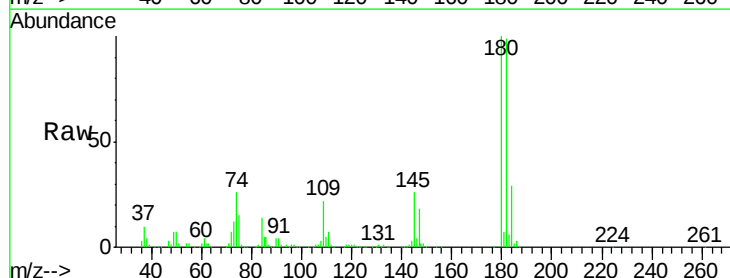
Tgt Ion:180 Resp: 451484

Ion Ratio Lower Upper

180 100

182 98.7 49.9 149.6

145 26.2 11.7 35.1



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

