

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082418\
 Data File : VD059902.D
 Acq On : 24 Aug 2018 13:01
 Operator : JC/SY
 Sample : VD0824SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0824SBS01

Manual Integrations
 APPROVED

apatel
 8/27/2018 10:48:35 AM

Quant Time: Aug 24 14:55:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1188094	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.42	114	1665102	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	1373656	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	744001	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	507436	50.67	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	101.34%	
35) Dibromofluoromethane	6.29	113	640928	49.10	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	98.20%	
50) Toluene-d8	9.43	98	1822583	50.31	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	100.62%	
62) 4-Bromofluorobenzene	12.41	95	738179	50.16	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	190555	17.94	ug/l	100
3) Chloromethane	1.74	50	177678	18.47	ug/l	96
4) Vinyl Chloride	1.84	62	141848	18.80	ug/l	100
5) Bromomethane	2.11	94	12909	9.91	ug/l #	78
6) Chloroethane	2.22	64	33952	12.38	ug/l	98
7) Trichlorofluoromethane	2.48	101	161950	18.56	ug/l	98
8) Diethyl Ether	2.80	74	38231	19.53	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.06	101	116643	21.82	ug/l	96
10) Methyl Iodide	3.21	142	92706	18.62	ug/l	91
11) Tert butyl alcohol	3.95	59	75759	99.15	ug/l	96
12) 1,1-Dichloroethene	3.04	96	84859	20.39	ug/l	95
13) Acrolein	2.96	56	26428	79.75	ug/l	89
14) Allyl chloride	3.50	41	183313	19.47	ug/l	99
15) Acrylonitrile	4.05	53	281696	98.45	ug/l	97
16) Acetone	3.13	43	166407	91.21	ug/l	98
17) Carbon Disulfide	3.28	76	207476	16.06	ug/l	99
18) Methyl Acetate	3.53	43	64623	16.97	ug/l #	92
19) Methyl tert-butyl Ether	4.09	73	457693	19.44	ug/l	99
20) Methylene Chloride	3.69	84	261558	19.19	ug/l	97
21) trans-1,2-Dichloroethene	4.06	96	209798	18.30	ug/l	94
22) Diisopropyl ether	4.83	45	980869	20.43	ug/l	98
23) Vinyl Acetate	4.77	43	2797870	104.26	ug/l	99
24) 1,1-Dichloroethane	4.72	63	423234	20.41	ug/l	100
25) 2-Butanone	5.60	43	462872	85.66	ug/l	100
26) 2,2-Dichloropropane	5.56	77	351164	20.25	ug/l	97
27) cis-1,2-Dichloroethene	5.57	96	247529	19.72	ug/l	97
28) Bromochloromethane	5.90	49	207854	20.91	ug/l	96
29) Tetrahydrofuran	5.93	42	241074	93.72	ug/l	98
30) Chloroform	6.08	83	428048	20.31	ug/l	100
31) Cyclohexane	6.34	56	335429	17.59	ug/l	98
32) 1,1,1-Trichloroethane	6.26	97	355051	19.85	ug/l	99
36) 1,1-Dichloropropene	6.50	75	292692	19.39	ug/l	97
37) Ethyl Acetate	5.67	43	213860	18.21	ug/l	99
38) Carbon Tetrachloride	6.47	117	296399	19.46	ug/l	98

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Quant Time: Aug 24 14:55:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	302386	18.54	ug/l	98
40) Benzene	6.77	78	788426	20.09	ug/l	100
41) Methacrylonitrile	5.89	41	125755m	21.25	ug/l	
42) 1,2-Dichloroethane	6.87	62	255937	20.31	ug/l	98
43) Isopropyl Acetate	8.33	43	291037	19.05	ug/l	97
44) Trichloroethene	7.72	130	219808	19.02	ug/l	92
45) 1,2-Dichloropropane	8.08	63	223020	20.33	ug/l	99
46) Dibromomethane	8.19	93	133600	18.94	ug/l	98
47) Bromodichloromethane	8.47	83	324605	20.33	ug/l	99
48) Methyl methacrylate	8.22	41	171213	19.22	ug/l	97
49) 1,4-Dioxane	8.21	88	31102	391.09	ug/l	97
51) 4-Methyl-2-Pentanone	9.32	43	971801	85.30	ug/l	96
52) Toluene	9.53	92	498466	19.81	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	291521	19.74	ug/l	100
54) cis-1,3-Dichloropropene	9.08	75	337800	19.73	ug/l	97
55) 1,1,2-Trichloroethane	10.16	97	185343	20.15	ug/l	98
56) Ethyl methacrylate	10.01	69	202287	19.05	ug/l	97
57) 1,3-Dichloropropane	10.37	76	271070	20.36	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.90	63	565600	111.05	ug/l	99
59) 2-Hexanone	10.48	43	753584	89.68	ug/l	99
60) Dibromochloromethane	10.62	129	226581	19.60	ug/l	99
61) 1,2-Dibromoethane	10.74	107	170500	18.33	ug/l	98
64) Tetrachloroethene	10.23	164	210423	19.81	ug/l	97
65) Chlorobenzene	11.30	112	564219	20.67	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.41	131	211836	21.24	ug/l	99
67) Ethyl Benzene	11.42	91	977792	21.29	ug/l	100
68) m/p-Xylenes	11.56	106	712450	42.61	ug/l	99
69) o-Xylene	11.92	106	342310	20.93	ug/l	90
70) Styrene	11.94	104	605494	21.38	ug/l	96
71) Bromoform	12.11	173	169646	19.66	ug/l #	98
73) Isopropylbenzene	12.27	105	997572	21.00	ug/l	99
74) N-amyl acetate	12.12	43	403804	19.42	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.55	83	212769	19.37	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	223198	19.30	ug/l	99
77) Bromobenzene	12.53	156	272388	20.69	ug/l	87
78) n-propylbenzene	12.63	91	1258513	20.93	ug/l	99
79) 2-Chlorotoluene	12.70	91	705001	20.73	ug/l	95
80) 1,3,5-Trimethylbenzene	12.78	105	787250	20.85	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.34	75	66822	18.58	ug/l	95
82) 4-Chlorotoluene	12.80	91	811457	20.92	ug/l	94
83) tert-Butylbenzene	13.03	119	908863	21.13	ug/l	93
84) 1,2,4-Trimethylbenzene	13.08	105	836399	21.25	ug/l	99
85) sec-Butylbenzene	13.21	105	1064454	21.04	ug/l	98
86) p-Isopropyltoluene	13.33	119	859415	20.89	ug/l	96
87) 1,3-Dichlorobenzene	13.30	146	488191	20.77	ug/l	98
88) 1,4-Dichlorobenzene	13.38	146	490501	20.91	ug/l	97
89) n-Butylbenzene	13.64	91	926162	20.89	ug/l	95
90) Hexachloroethane	13.85	117	215803	19.54	ug/l	85
91) 1,2-Dichlorobenzene	13.65	146	439372	21.98	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.22	75	30431	18.02	ug/l	70

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Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0824SBS01

Manual Integrations
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Quant Time: Aug 24 14:55:22 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 03:03:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	337804	19.74	ug/l	97
94) Hexachlorobutadiene	14.88	225	233935	20.85	ug/l	99
95) Naphthalene	14.96	128	512483	19.59	ug/l	100
96) 1,2,3-Trichlorobenzene	15.10	180	288928	19.74	ug/l	96

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

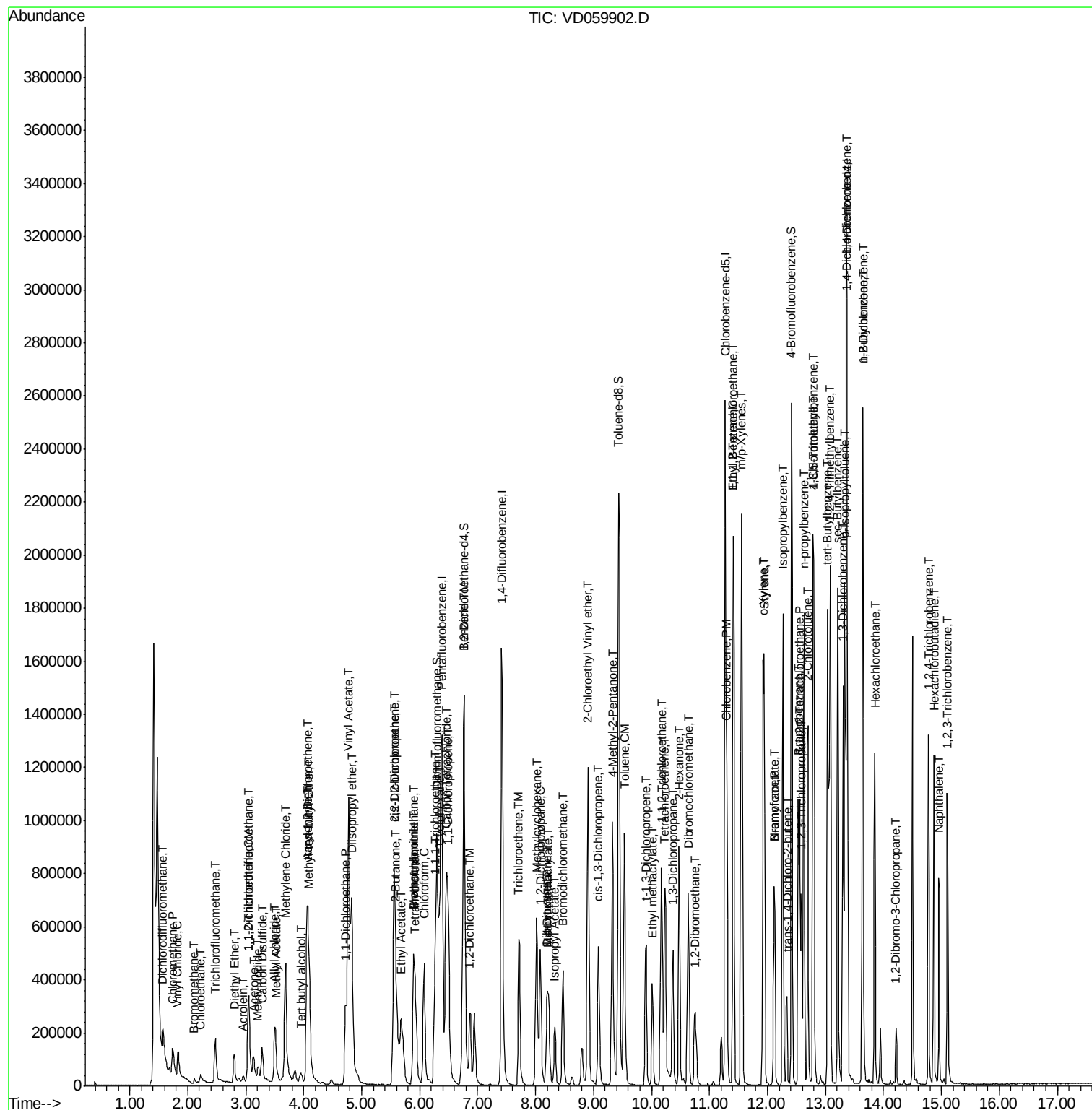
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 Data File : VD059902.D
 Acq On : 24 Aug 2018 13:01
 Operator : JC/SY
 Sample : VD0824SBS01
 Misc : 5.00µl/MSVOA D/SOIL
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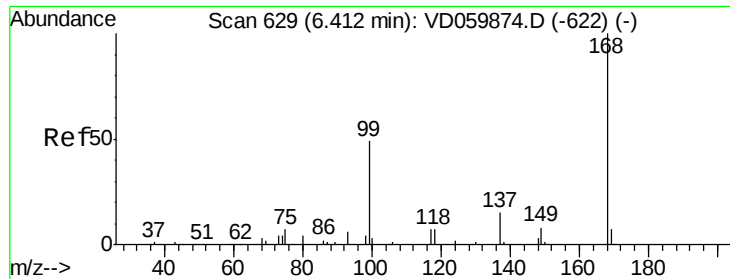
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0824SBS01

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.38 min Scan# 626

Delta R.T. -0.03 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

VD0824SBS01

Tot Ion:168 Resp: 1188094

Ion Ratio Lower Upper

168 100

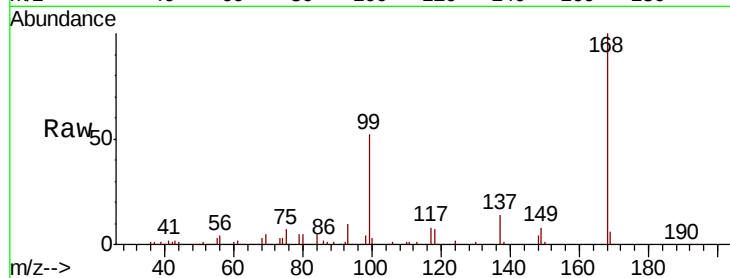
99 51.7 42.2 63.2

Manual Integrations

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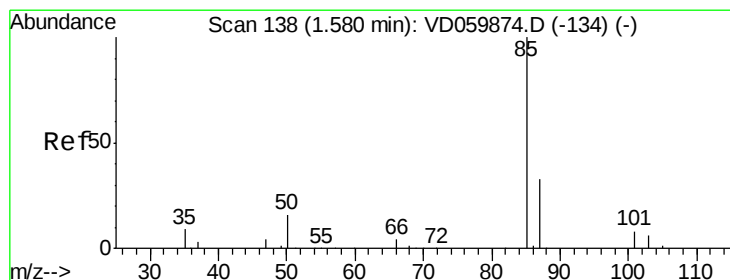
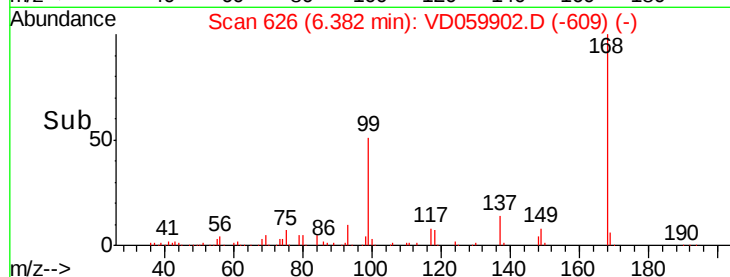
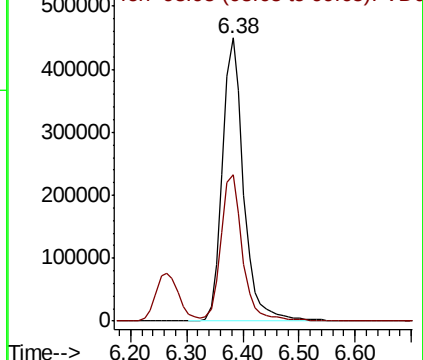
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 17.94 ug/l

RT: 1.57 min Scan# 137

Delta R.T. -0.01 min

Lab File: VD059902.D

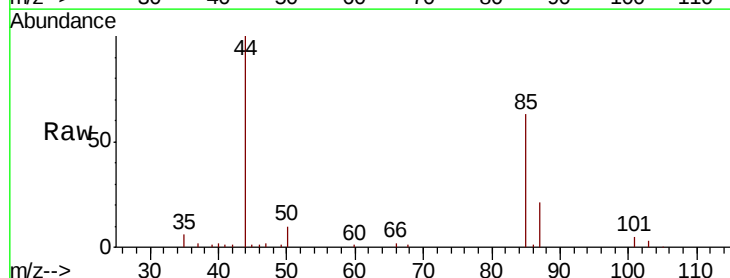
Acq: 24 Aug 2018 13:01

Tgt Ion: 85 Resp: 190555

Ion Ratio Lower Upper

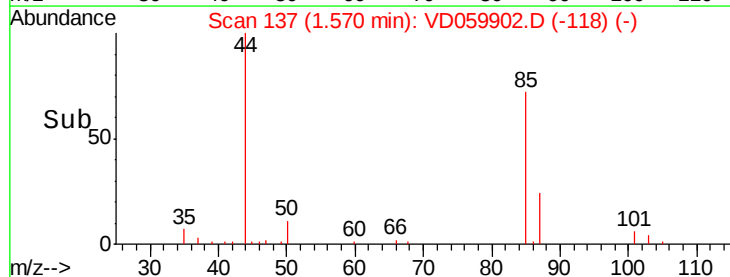
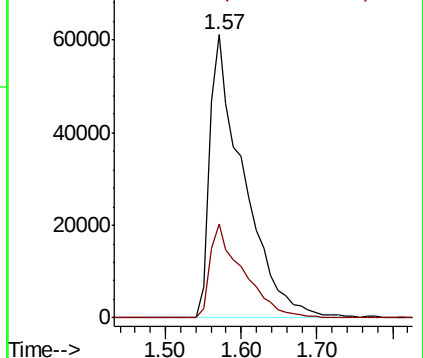
85 100

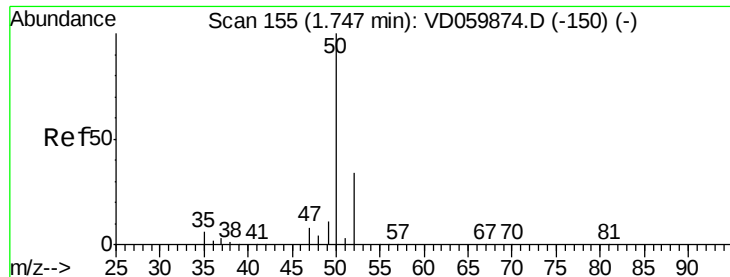
87 33.4 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.47 ug/l

RT: 1.74 min Scan# 154

Delta R.T. -0.01 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

VD0824SBS01

Tot Ion: 50 Resp: 177678

Ion Ratio Lower Upper

50 100

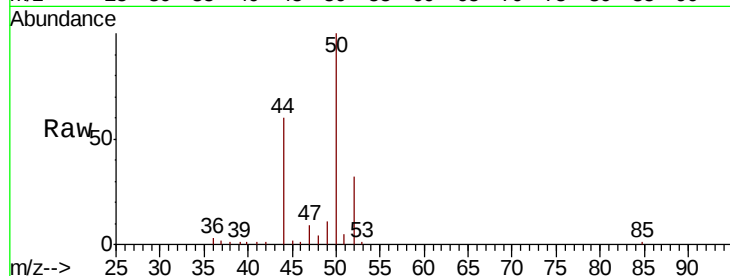
52 31.5 27.0 40.6

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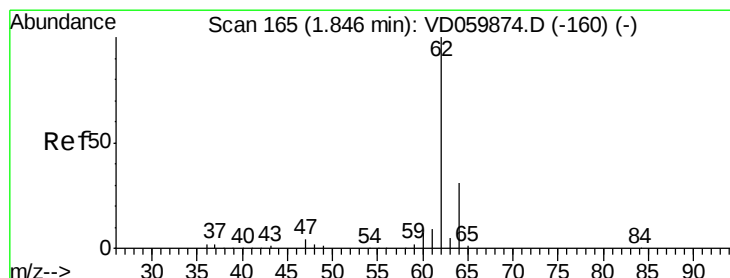
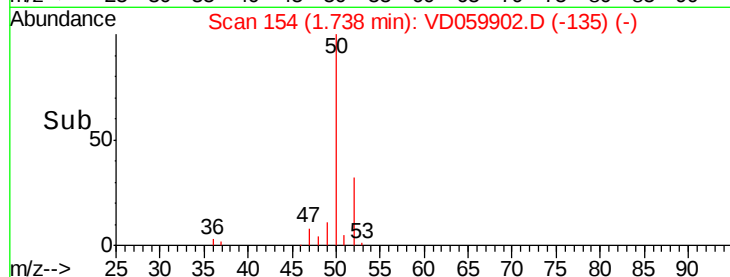
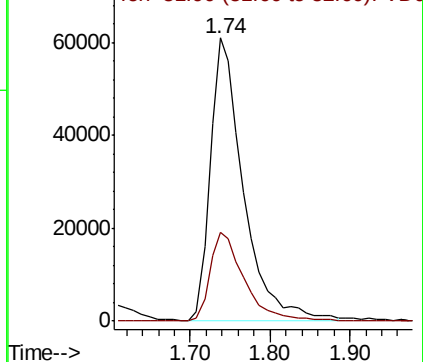
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.80 ug/l

RT: 1.84 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD059902.D

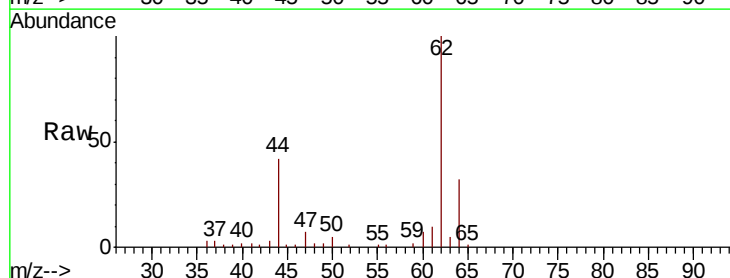
Acq: 24 Aug 2018 13:01

Tgt Ion: 62 Resp: 141848

Ion Ratio Lower Upper

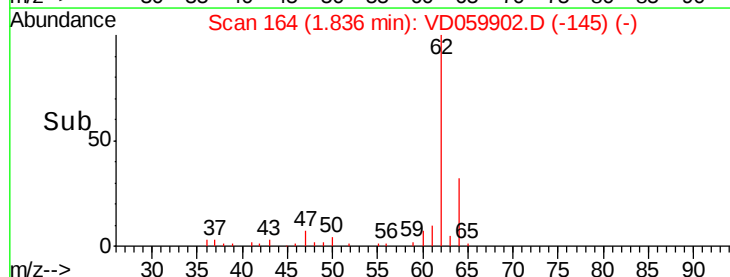
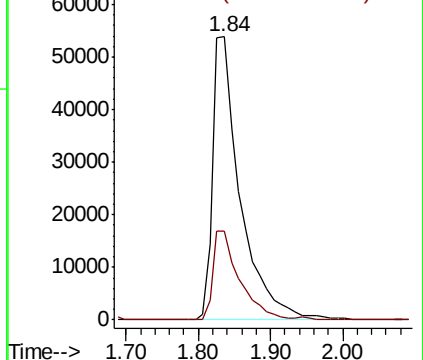
62 100

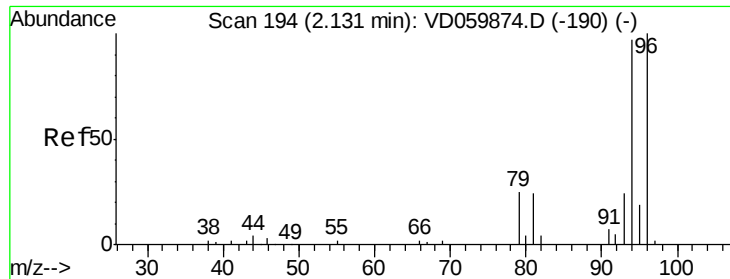
64 31.5 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 9.91 ug/l

RT: 2.11 min Scan# 192

Delta R.T. -0.02 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Instrument :

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ClientSampleId :

VD0824SBS01

Tot Ion: 94 Resp: 12909

Ion Ratio Lower Upper

94 100

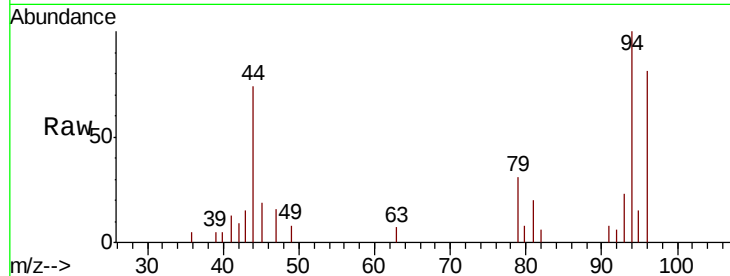
96 80.7 82.4 123.6#

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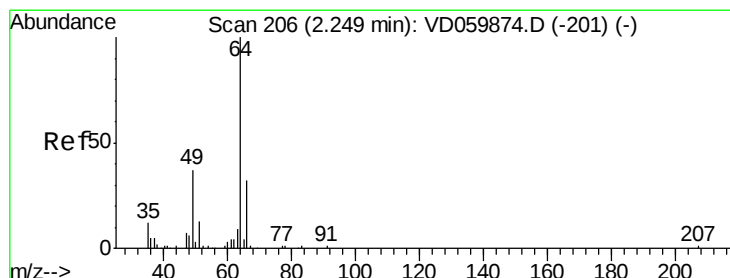
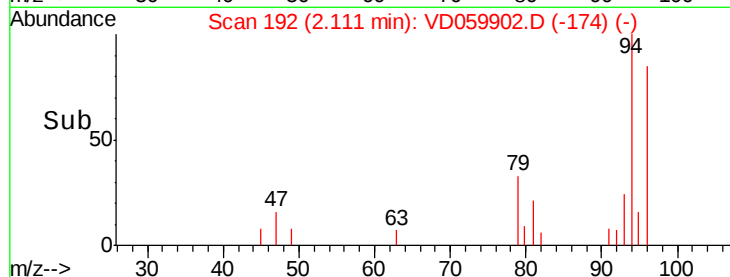
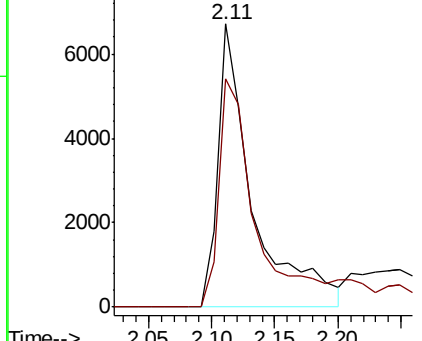
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 12.38 ug/l

RT: 2.22 min Scan# 203

Delta R.T. -0.03 min

Lab File: VD059902.D

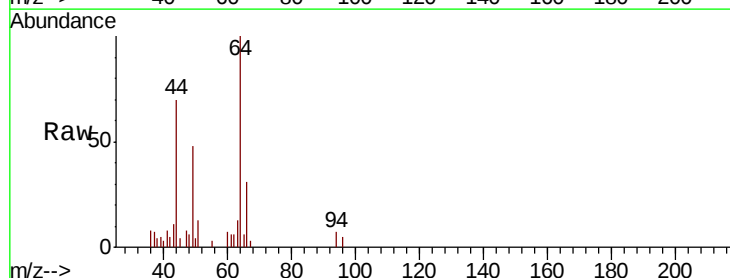
Acq: 24 Aug 2018 13:01

Tgt Ion: 64 Resp: 33952

Ion Ratio Lower Upper

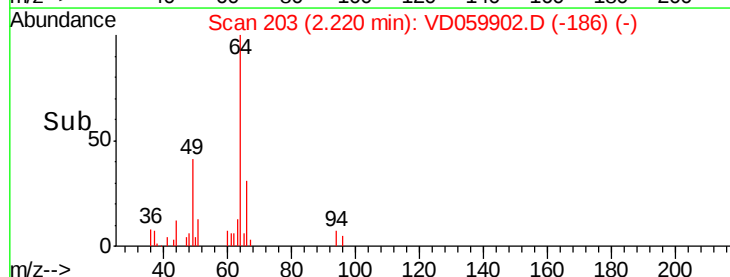
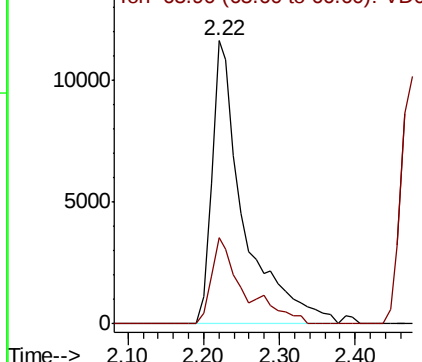
64 100

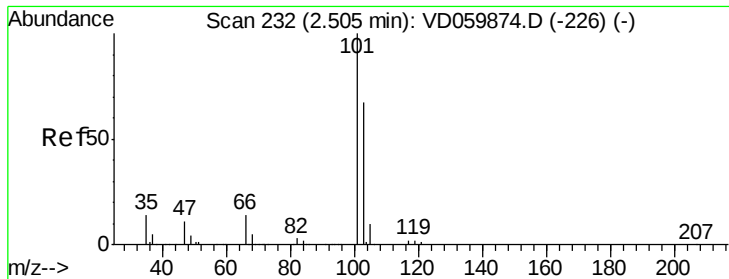
66 30.7 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 18.56 ug/l

RT: 2.48 min Scan# 229

Delta R.T. -0.03 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

VD0824SBS01

Tot Ion:101 Resp: 161950

Ion Ratio Lower Upper

101 100

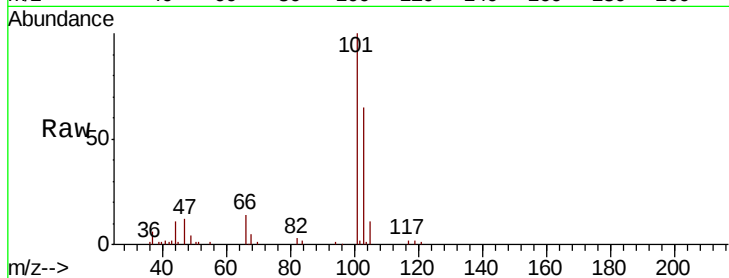
103 65.3 53.7 80.5

Manual Integrations

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Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V

2.48

80000

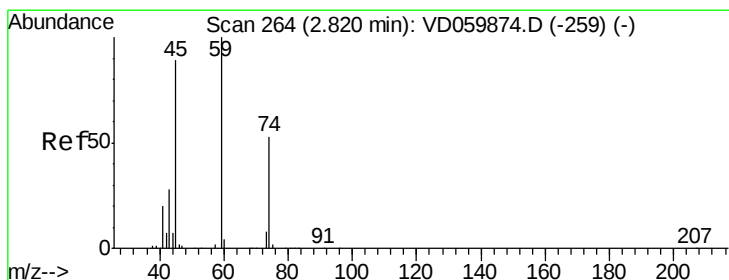
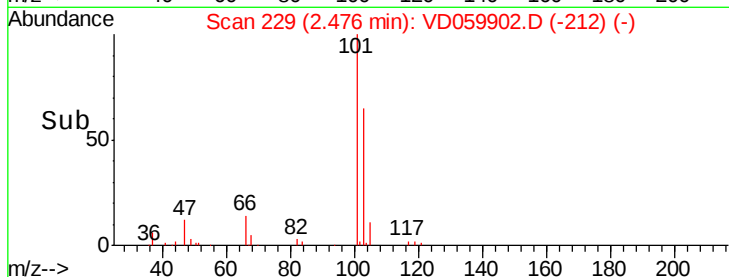
60000

40000

20000

0

Time--> 2.30 2.40 2.50 2.60 2.70



#8

Diethyl Ether

Concen: 19.53 ug/l

RT: 2.80 min Scan# 262

Delta R.T. -0.02 min

Lab File: VD059902.D

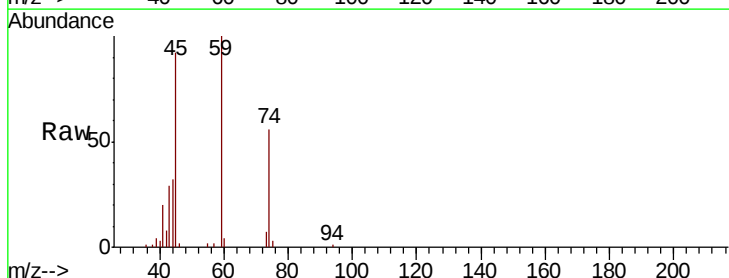
Acq: 24 Aug 2018 13:01

Tgt Ion: 74 Resp: 38231

Ion Ratio Lower Upper

74 100

45 165.5 85.7 257.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

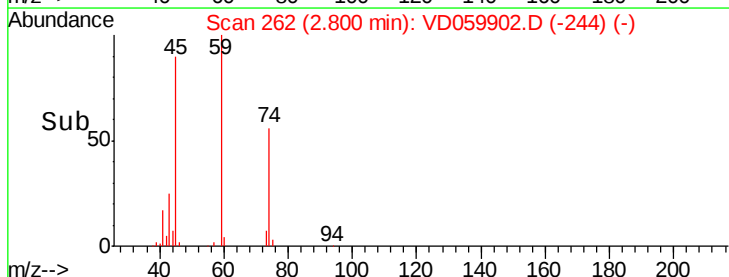
30000

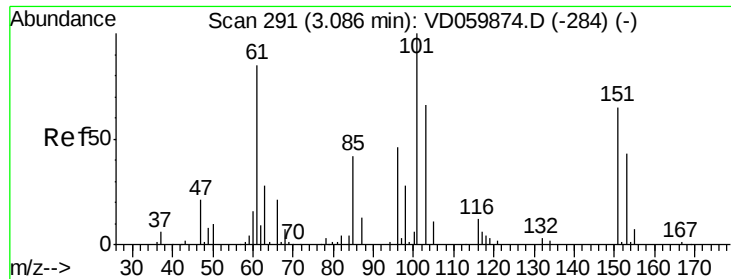
20000

10000

0

Time--> 2.70 2.80 2.90 3.00





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.82 ug/l

RT: 3.06 min Scan# 288

Delta R.T. -0.03 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Instrument :

MSVOA_D

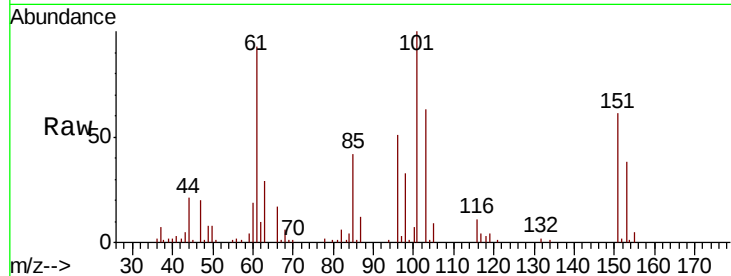
ClientSampleId :

VD0824SBS01

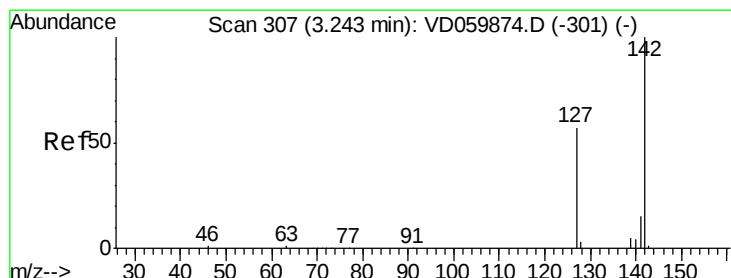
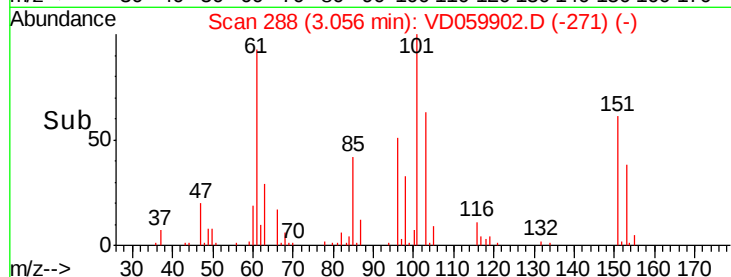
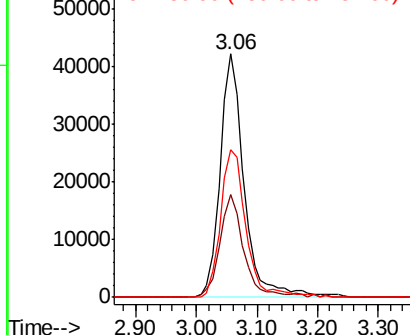
Tot Ion:	101	Resp:	116643
Ion Ratio	Lower	Upper	
101	100		
85	42.3	33.6	50.4
151	60.6	52.0	78.0

Manual Integrations
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Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 18.62 ug/l

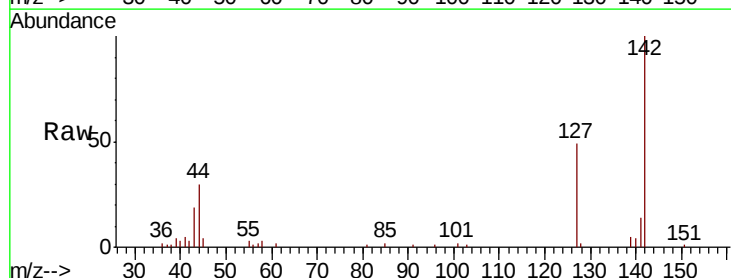
RT: 3.21 min Scan# 304

Delta R.T. -0.03 min

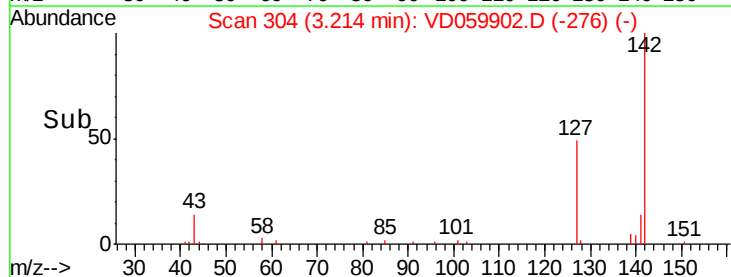
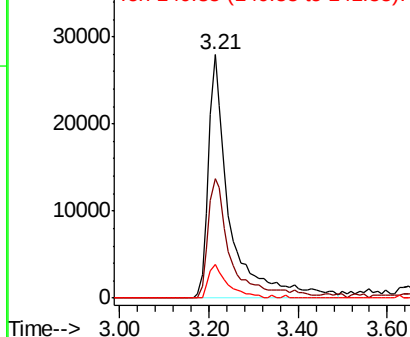
Lab File: VD059902.D

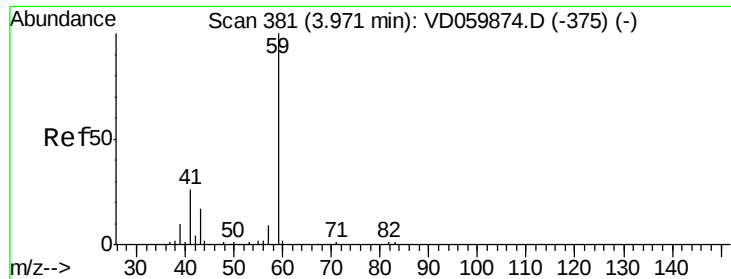
Acq: 24 Aug 2018 13:01

Tgt Ion:	142	Resp:	92706
Ion Ratio	Lower	Upper	
142	100		
127	49.1	45.8	68.6
141	13.8	11.6	17.4



Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V





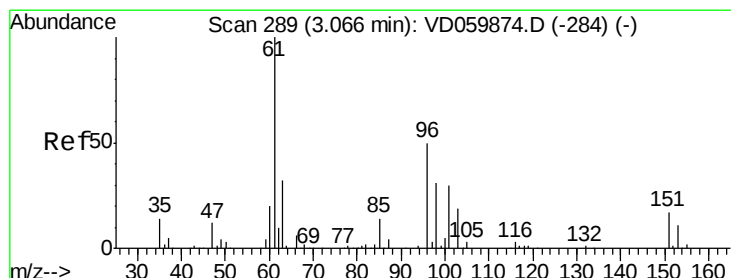
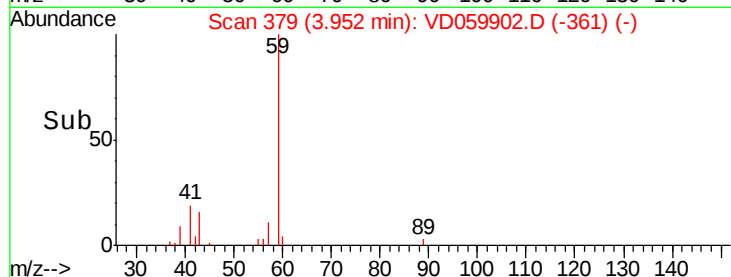
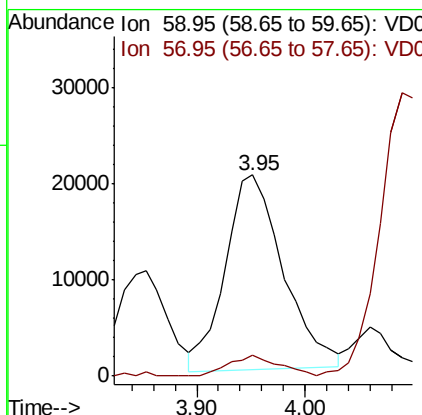
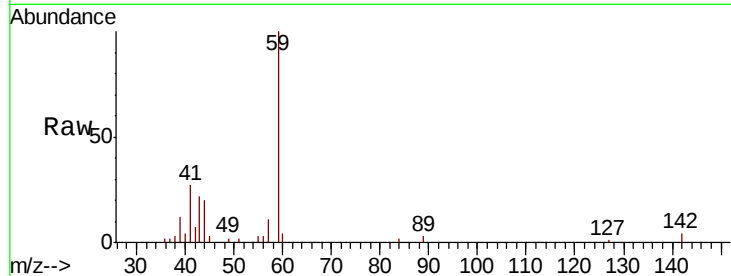
#11
Tert butyl alcohol
Concen: 99.15 ug/l
RT: 3.95 min Scan# 379
Delta R.T. -0.02 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD0824SBS01

Tot Ion: 59 Resp: 75759
Ion Ratio Lower Upper
59 100
57 10.7 7.4 11.0

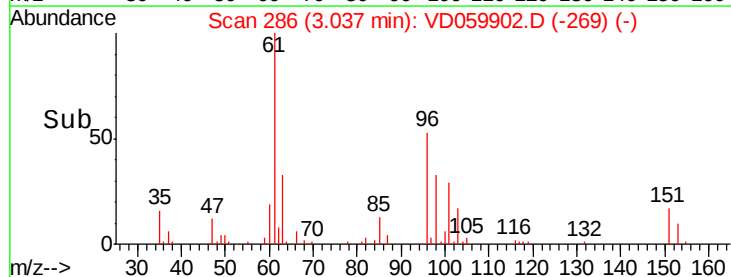
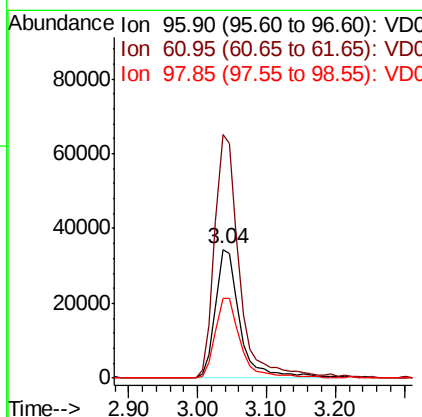
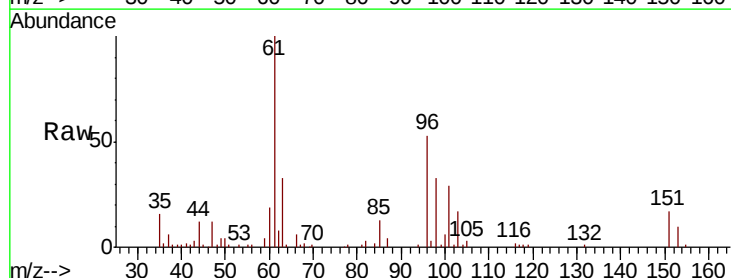
Manual Integrations
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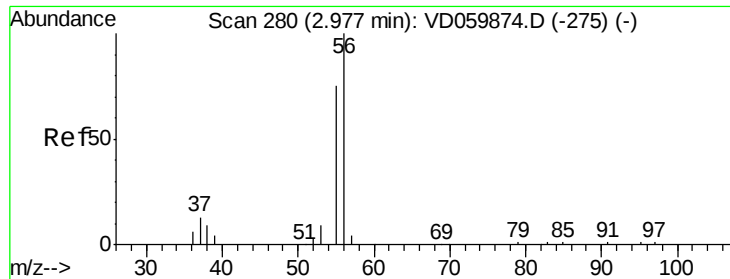
apatel
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#12
1,1-Dichloroethene
Concen: 20.39 ug/l
RT: 3.04 min Scan# 286
Delta R.T. -0.03 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Tgt Ion: 96 Resp: 84859
Ion Ratio Lower Upper
96 100
61 189.5 158.8 238.2
98 61.8 48.7 73.1





#13

Acrolein

Concen: 79.75 ug/l

RT: 2.96 min Scan# 278

Delta R.T. -0.02 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

VD0824SBS01

Tot Ion: 56 Resp: 26428

Ion Ratio Lower Upper

56 100

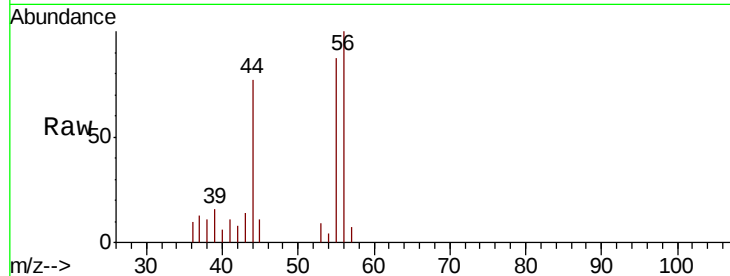
55 87.1 61.9 92.9

Manual Integrations

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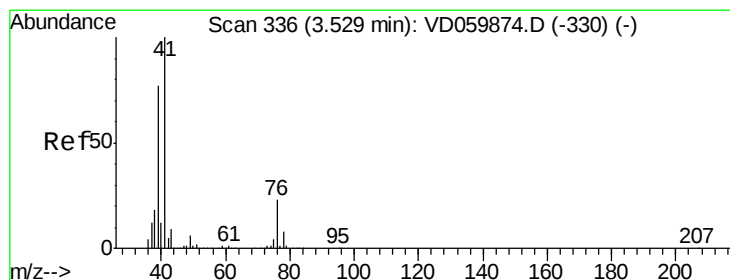
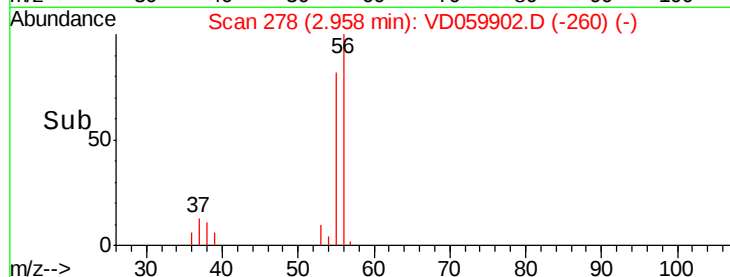
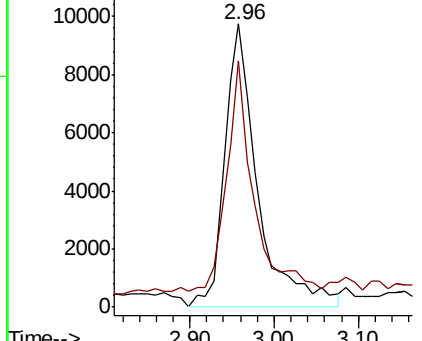
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.47 ug/l

RT: 3.50 min Scan# 333

Delta R.T. -0.03 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

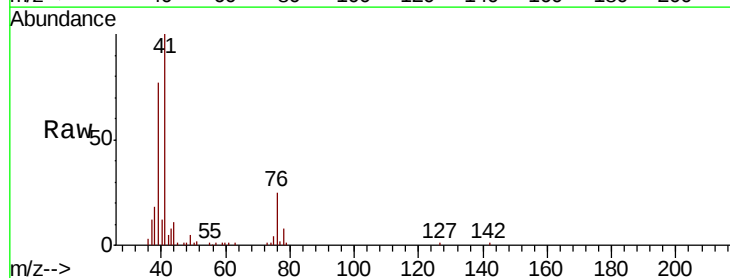
Tgt Ion: 41 Resp: 183313

Ion Ratio Lower Upper

41 100

39 76.6 61.8 92.6

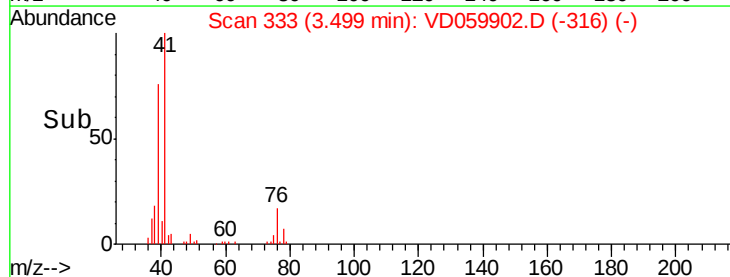
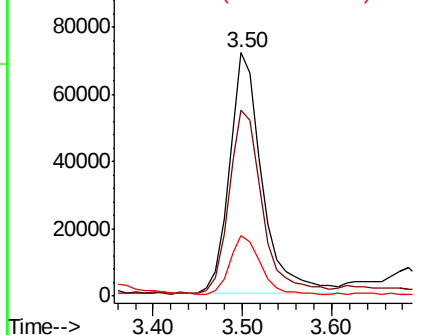
76 25.0 19.4 29.2

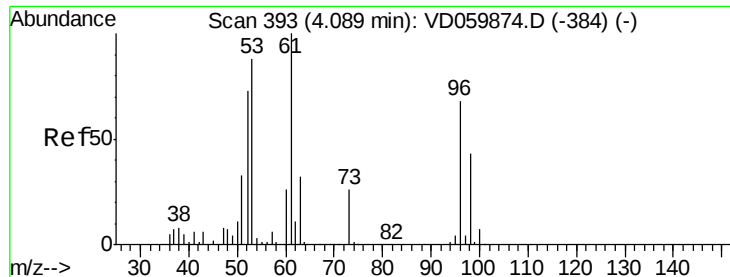


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 98.45 ug/l

RT: 4.05 min Scan# 389

Delta R.T. -0.04 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Instrument :

MSVOA_D

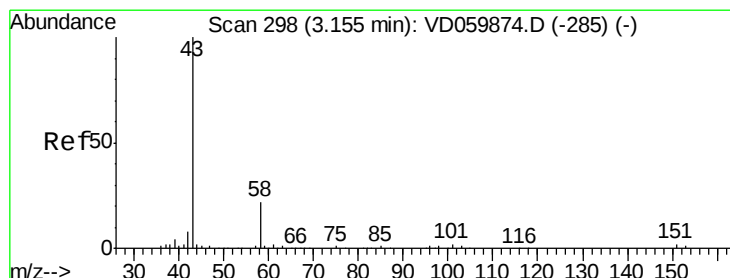
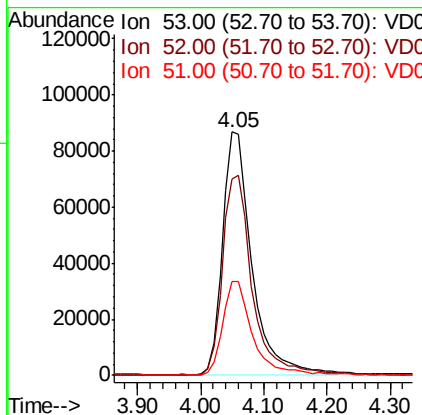
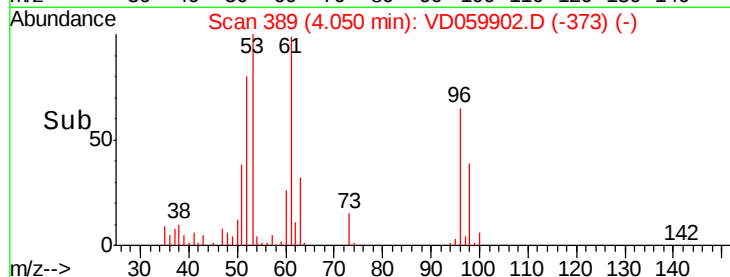
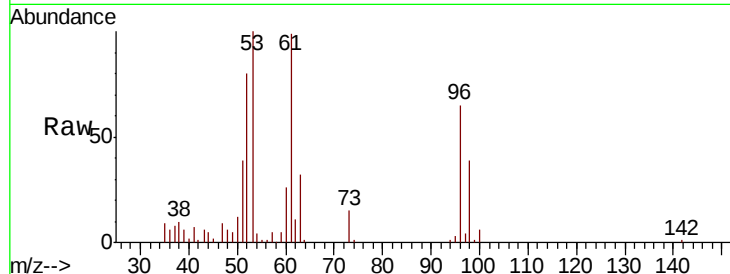
ClientSampleId :

VD0824SBS01

Tot Ion:	53	Resp:	281696
Ion Ratio	Lower	Upper	
53	100		
52	80.5	66.9	100.3
51	38.8	30.3	45.5

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#16

Acetone

Concen: 91.21 ug/l

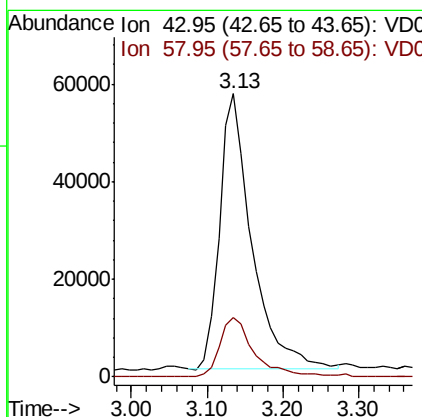
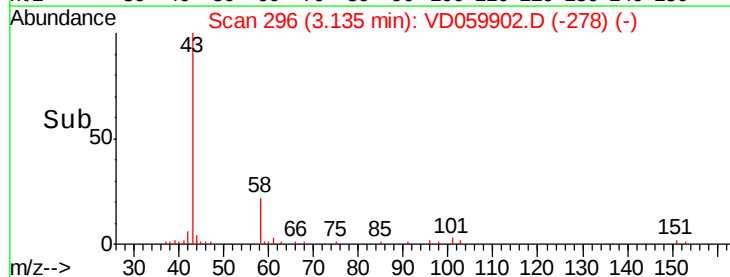
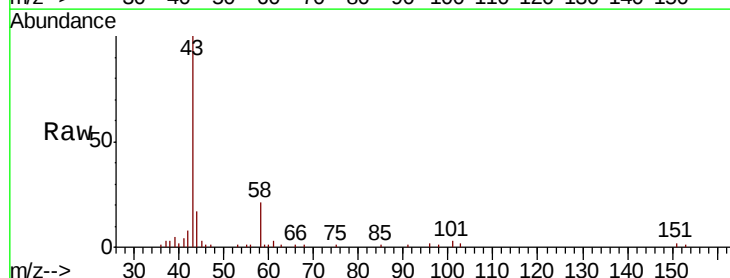
RT: 3.13 min Scan# 296

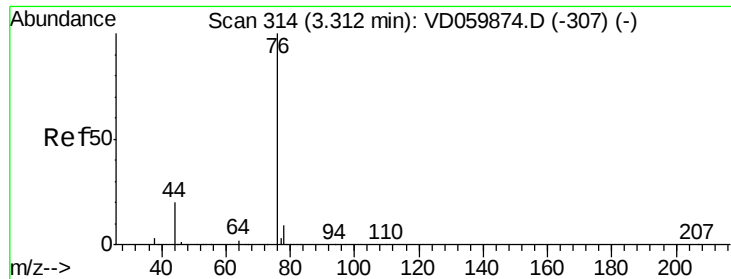
Delta R.T. -0.02 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Tgt Ion:	43	Resp:	166407
Ion Ratio	Lower	Upper	
43	100		
58	21.1	17.6	26.4





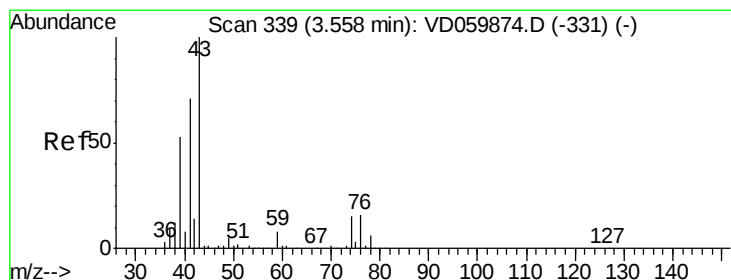
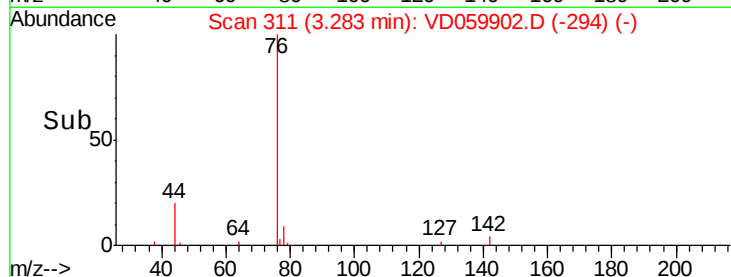
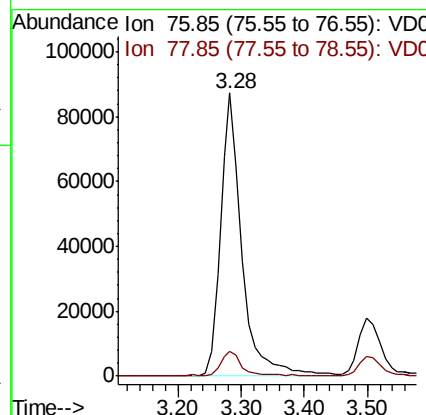
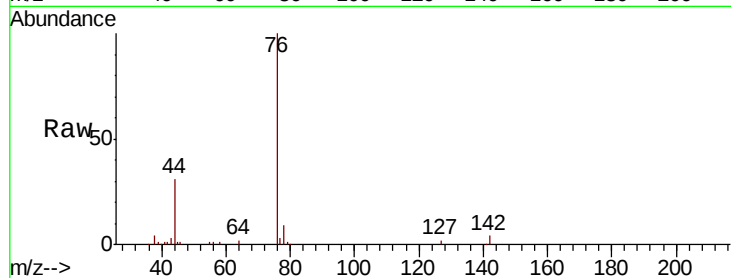
#17
Carbon Disulfide
Concen: 16.06 ug/l
RT: 3.28 min Scan# 311
Delta R.T. -0.03 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD0824SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.2

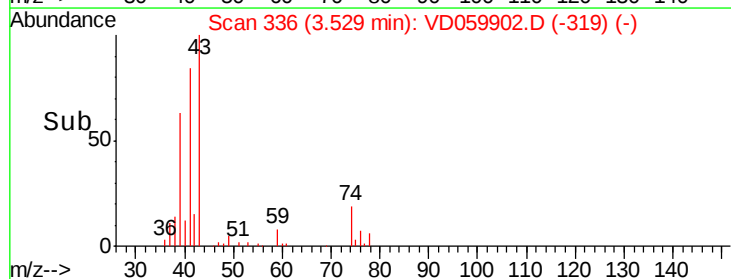
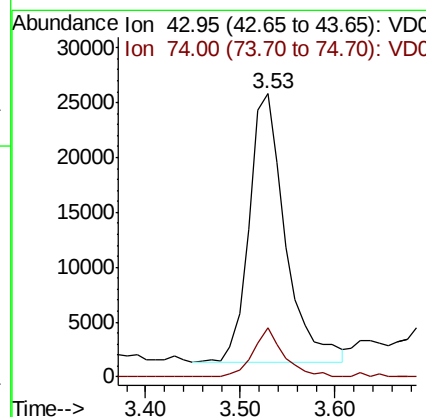
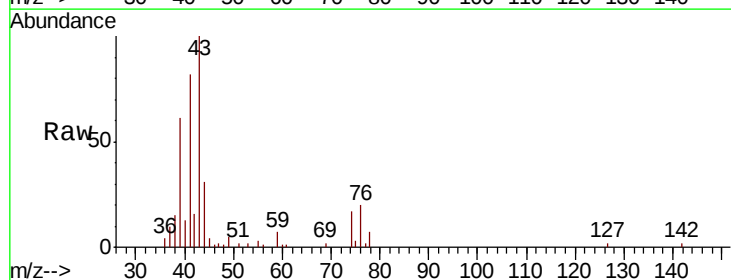
Manual Integrations
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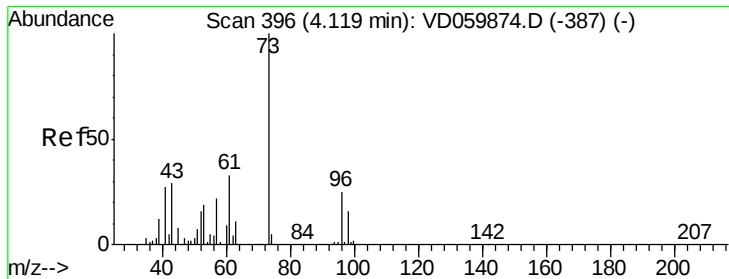
apatel
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#18
Methyl Acetate
Concen: 16.97 ug/l
RT: 3.53 min Scan# 336
Delta R.T. -0.03 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	17.4	11.2	16.8#





#19

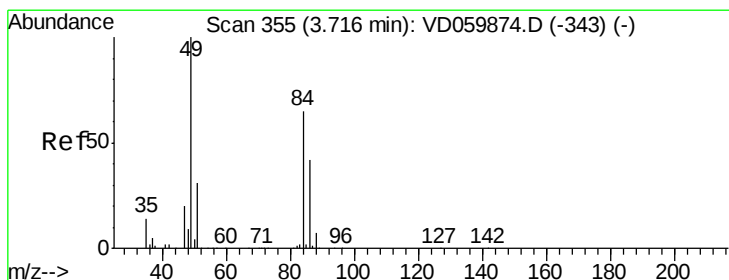
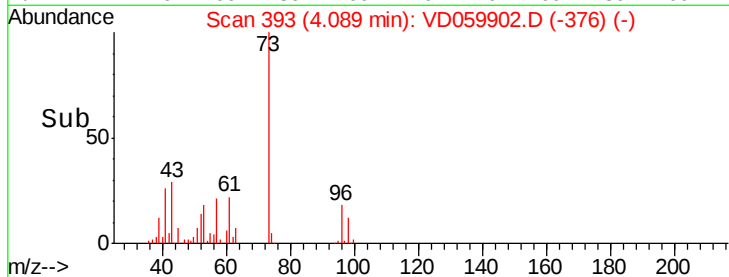
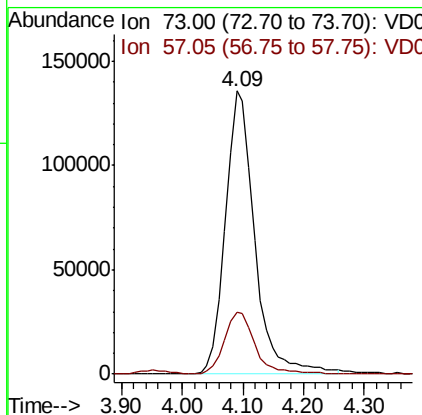
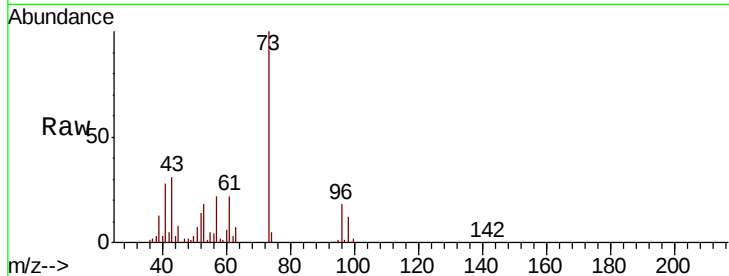
Methyl tert-butyl Ether
 Concen: 19.44 ug/l
 RT: 4.09 min Scan# 393
 Delta R.T. -0.03 min
 Lab File: VD059902.D
 Acq: 24 Aug 2018 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0824SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.9	26.9

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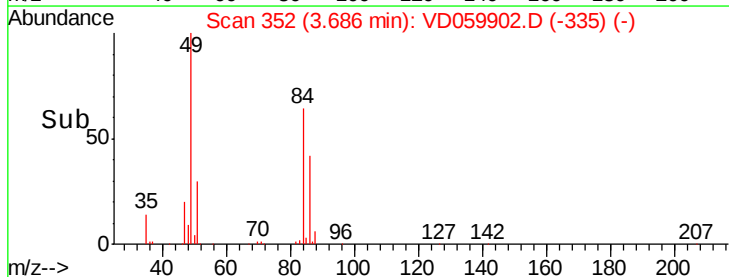
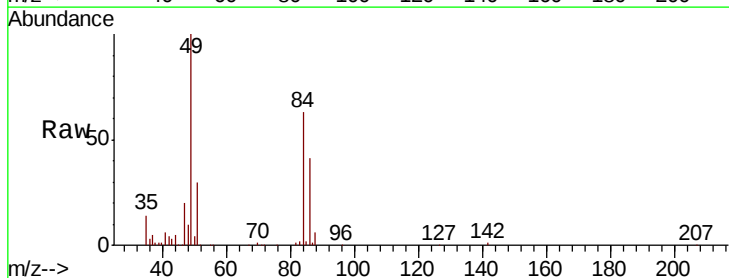
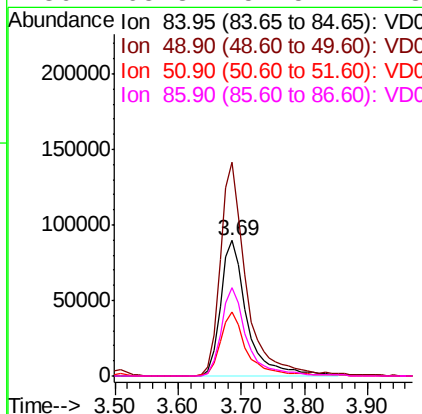
apatel
 8/27/2018 10:48:35 AM

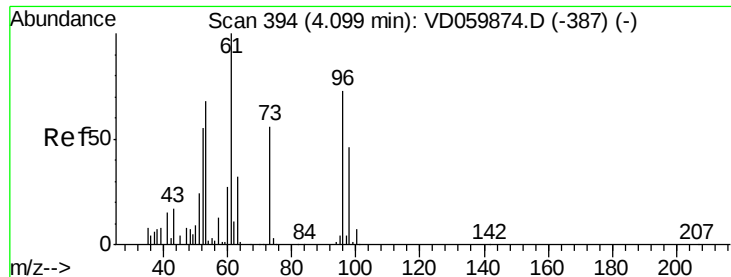


#20

Methylene Chloride
 Concen: 19.19 ug/l
 RT: 3.69 min Scan# 352
 Delta R.T. -0.03 min
 Lab File: VD059902.D
 Acq: 24 Aug 2018 13:01

Tgt Ion	Ratio	Lower	Upper
84	100		
49	157.6	122.6	183.8
51	46.9	38.4	57.6
86	65.3	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 18.30 ug/l

RT: 4.06 min Scan# 390

Delta R.T. -0.04 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Instrument :

MSVOA_D

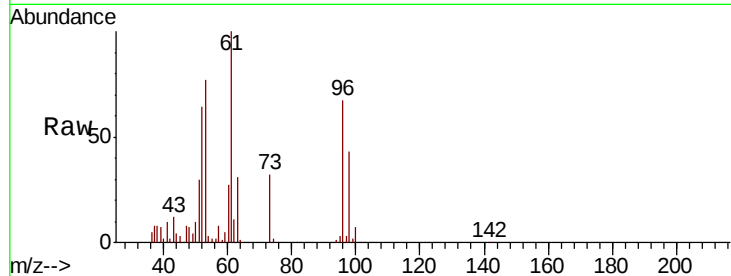
ClientSampleId :

VD0824SBS01

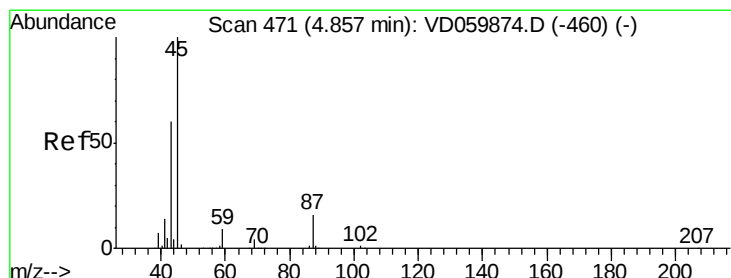
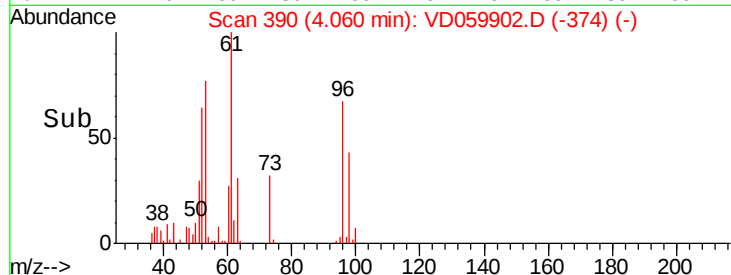
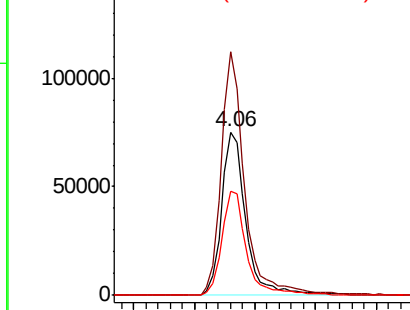
Tot Ion:	96	Resp:	209798
Ion	Ratio	Lower	Upper
96	100		
61	149.1	110.2	165.4
98	63.6	50.9	76.3

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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 20.43 ug/l

RT: 4.83 min Scan# 468

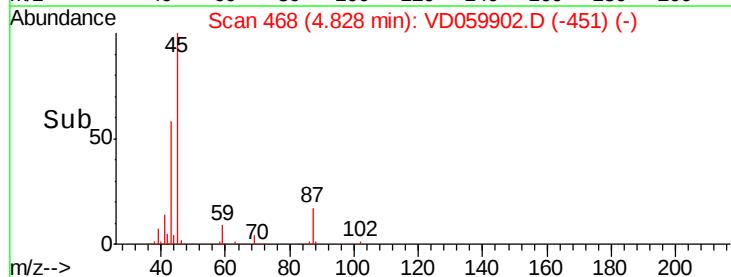
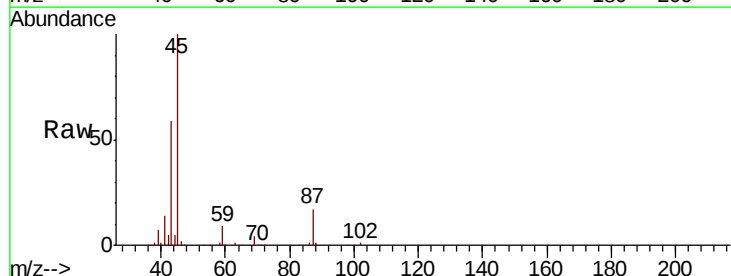
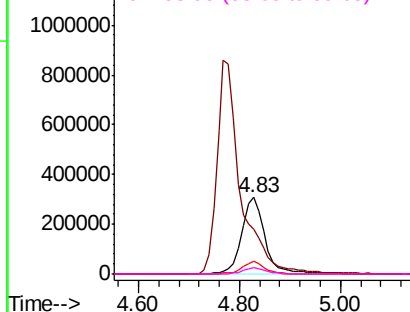
Delta R.T. -0.03 min

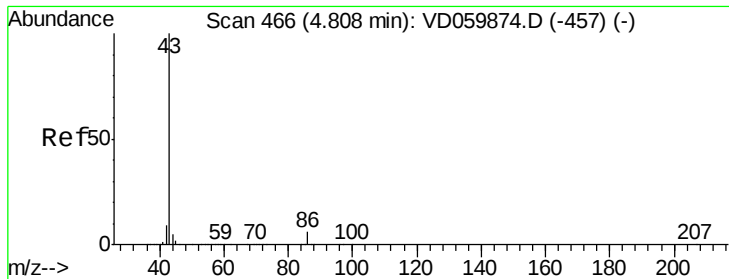
Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Tgt Ion:	45	Resp:	980869
Ion	Ratio	Lower	Upper
45	100		
43	58.5	48.6	72.8
87	16.7	13.3	19.9
59	8.7	7.1	10.7

Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 104.26 ug/l

RT: 4.77 min Scan# 462

Delta R.T. -0.04 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Instrument :

MSVOA_D

ClientSampleID :

VD0824SBS01

Tot Ion: 43 Resp: 2797870

Ion Ratio Lower Upper

43 100

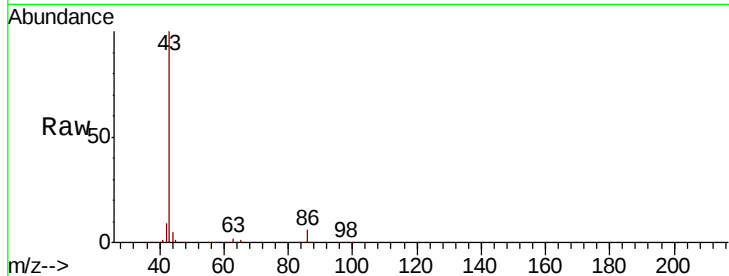
86 6.1 5.0 7.6

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

4.77

800000

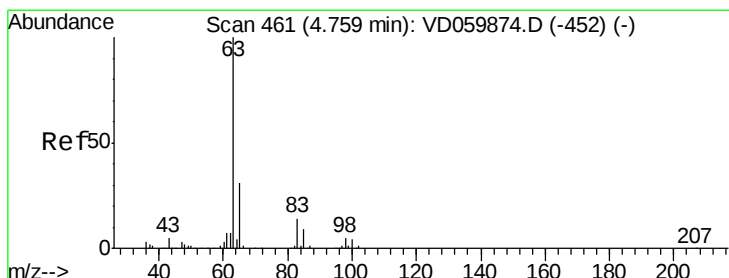
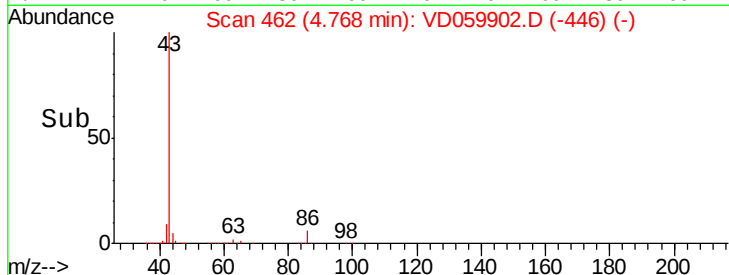
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.41 ug/l

RT: 4.72 min Scan# 457

Delta R.T. -0.04 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

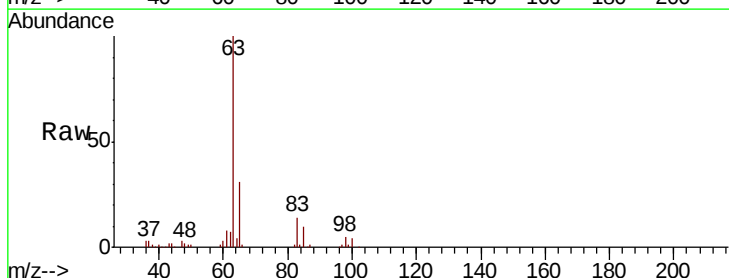
Tgt Ion: 63 Resp: 423234

Ion Ratio Lower Upper

63 100

98 5.4 2.7 8.1

100 3.6 1.8 5.3



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

4.72

200000

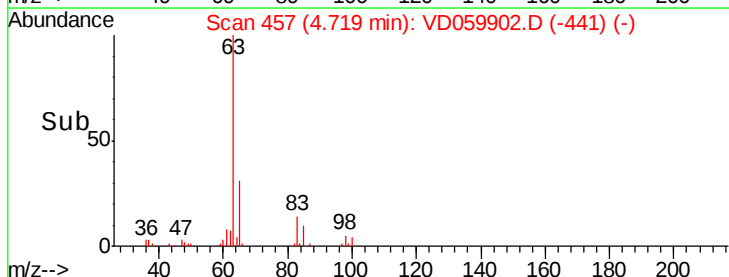
150000

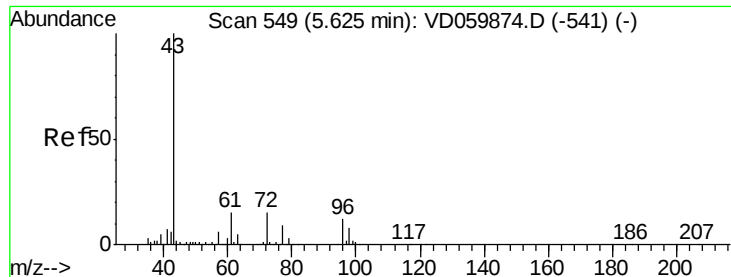
100000

50000

0

Time-->





#25

2-Butanone

Concen: 85.66 ug/l

RT: 5.60 min Scan# 546

Delta R.T. -0.03 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

VD0824SBS01

Tot Ion: 43 Resp: 462872

Ion Ratio Lower Upper

43 100

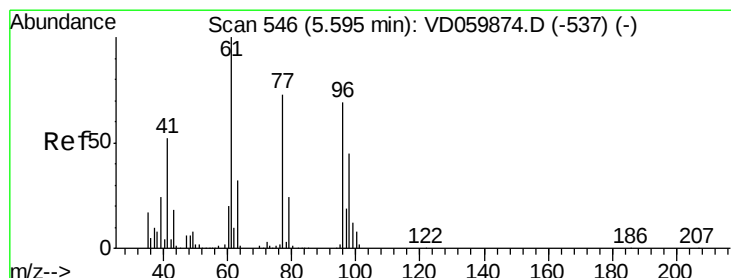
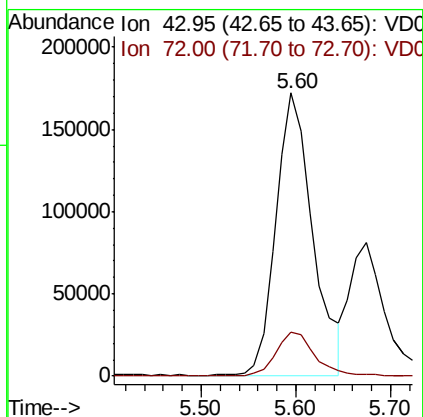
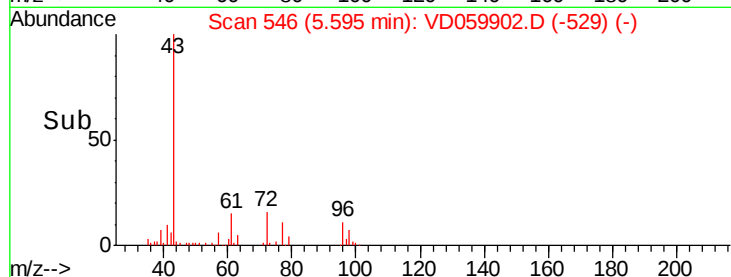
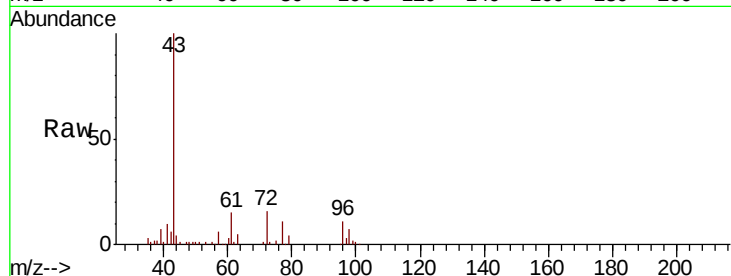
72 15.6 12.3 18.5

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#26

2,2-Dichloropropane

Concen: 20.25 ug/l

RT: 5.56 min Scan# 542

Delta R.T. -0.04 min

Lab File: VD059902.D

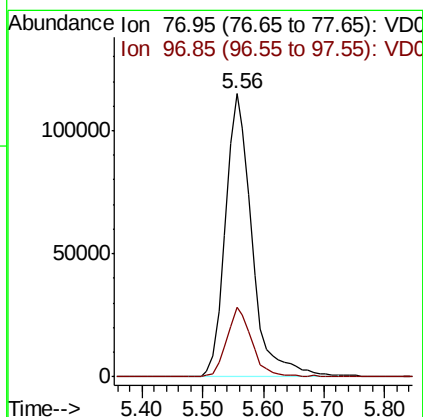
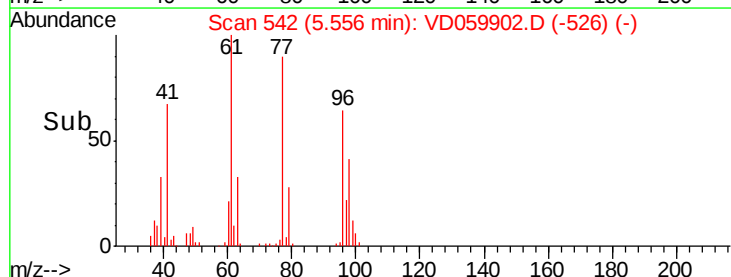
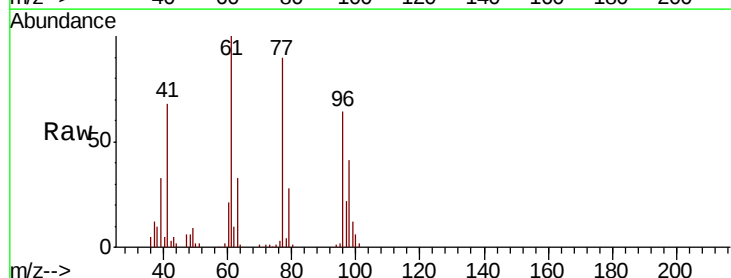
Acq: 24 Aug 2018 13:01

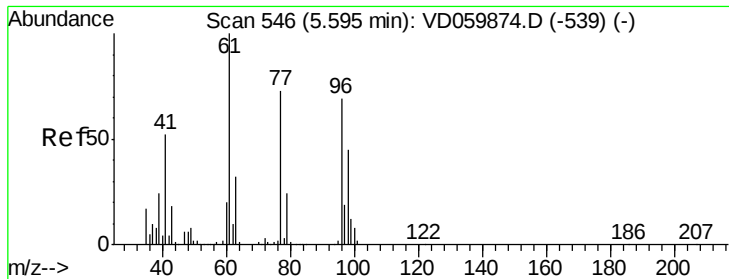
Tgt Ion: 77 Resp: 351164

Ion Ratio Lower Upper

77 100

97 24.6 13.0 38.9





#27

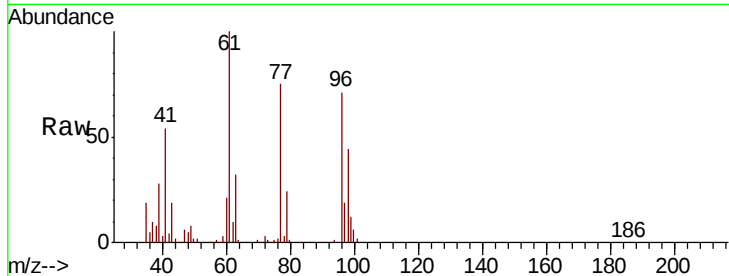
cis-1,2-Dichloroethene
 Concen: 19.72 ug/l
 RT: 5.57 min Scan# 543
 Delta R.T. -0.03 min
 Lab File: VD059902.D
 Acq: 24 Aug 2018 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0824SBS01

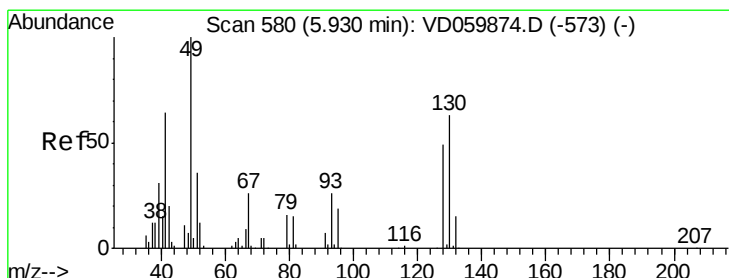
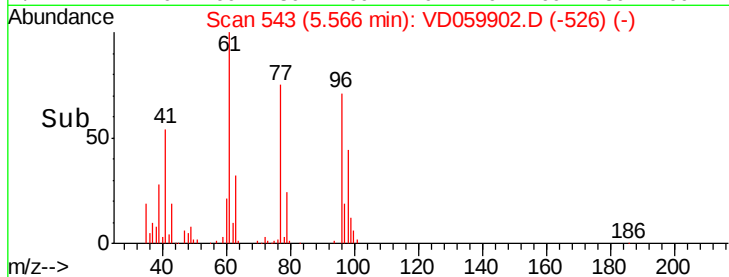
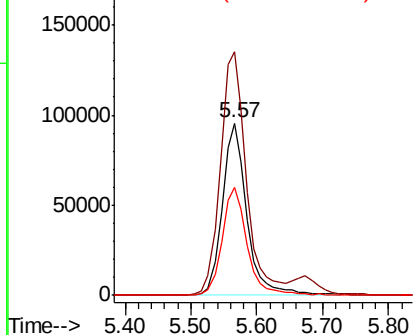
Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	141.6	0.0	290.2	
98	62.8	0.0	130.4	

Manual Integrations
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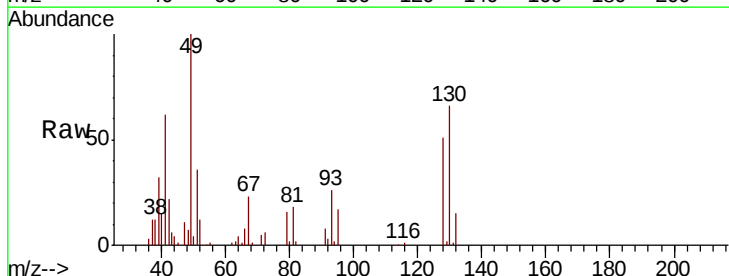
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



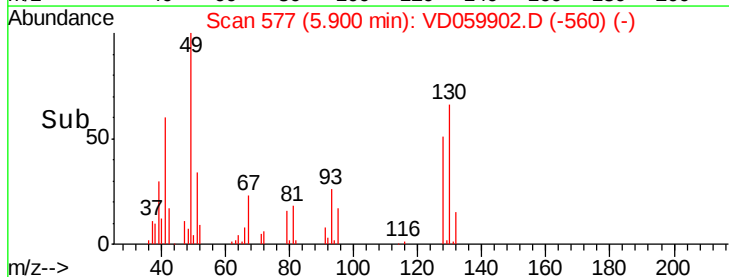
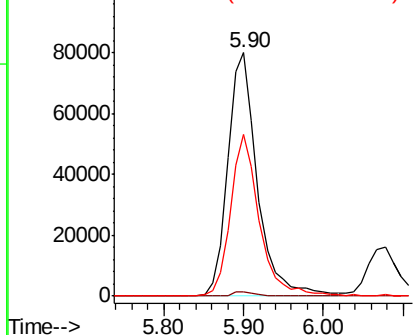
#28

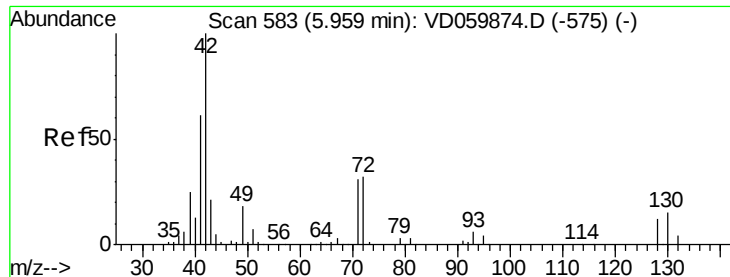
Bromochloromethane
 Concen: 20.91 ug/l
 RT: 5.90 min Scan# 577
 Delta R.T. -0.03 min
 Lab File: VD059902.D
 Acq: 24 Aug 2018 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.6	0.0	3.2	
130	66.3	50.6	75.8	



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





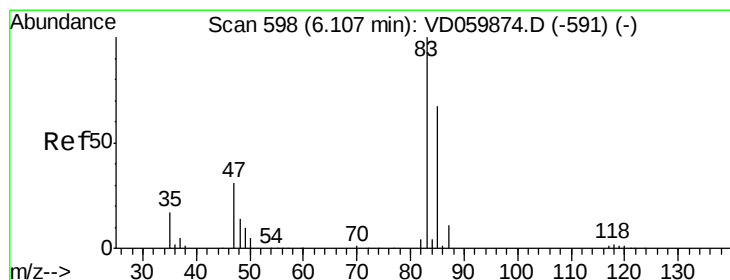
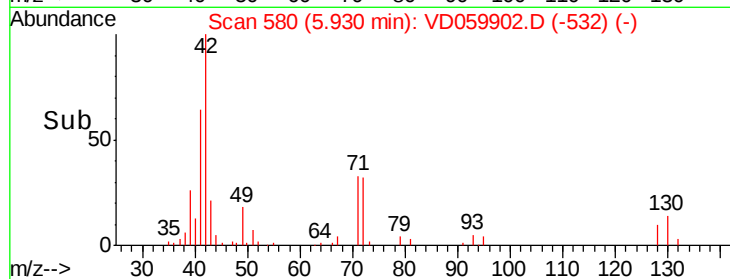
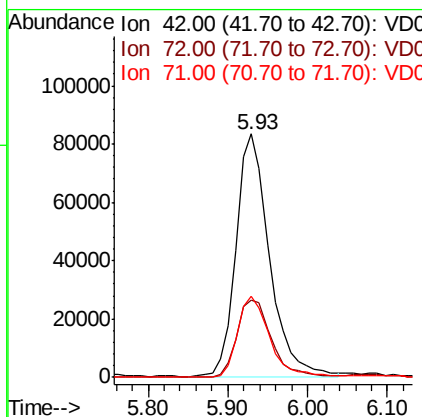
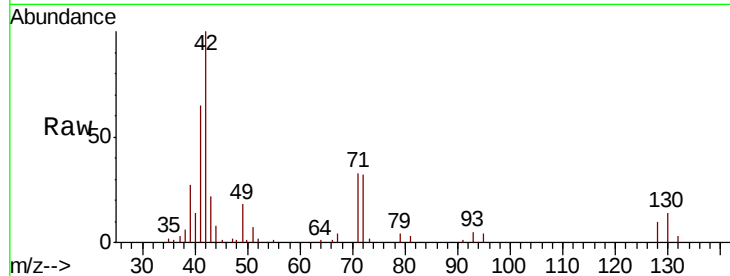
#29
Tetrahydrofuran
Concen: 93.72 ug/l
RT: 5.93 min Scan# 580
Delta R.T. -0.03 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD0824SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.4	25.7	38.5
71	32.4	25.3	37.9

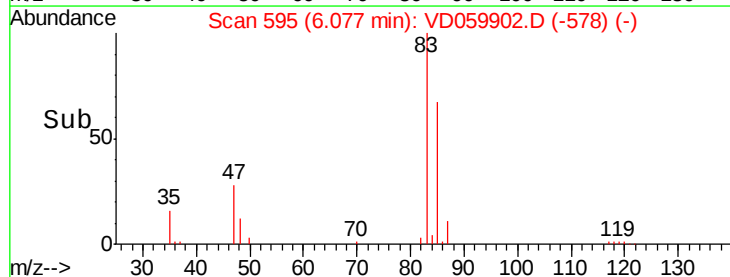
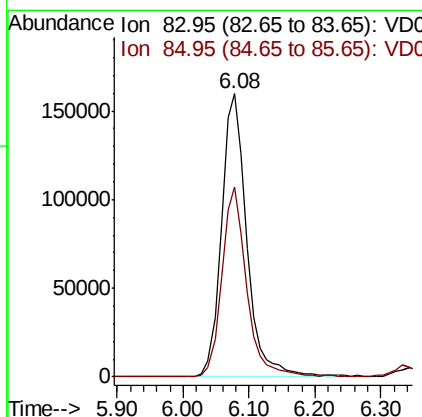
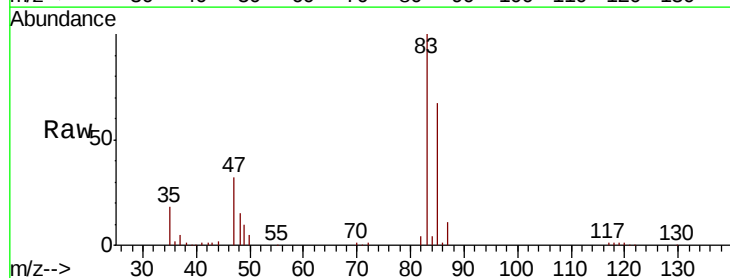
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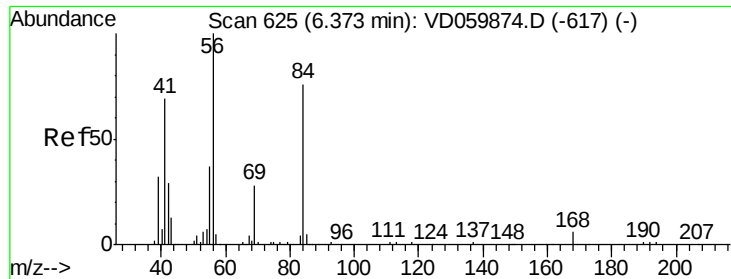
apatel
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#30
Chloroform
Concen: 20.31 ug/l
RT: 6.08 min Scan# 595
Delta R.T. -0.03 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.2	53.5	80.3





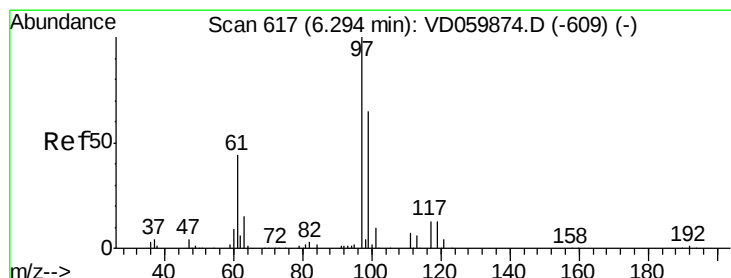
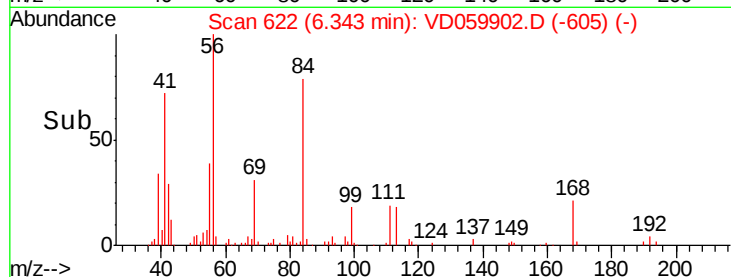
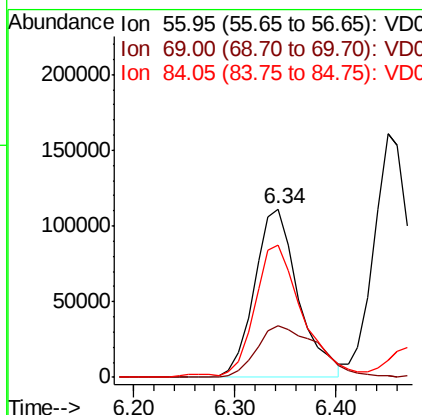
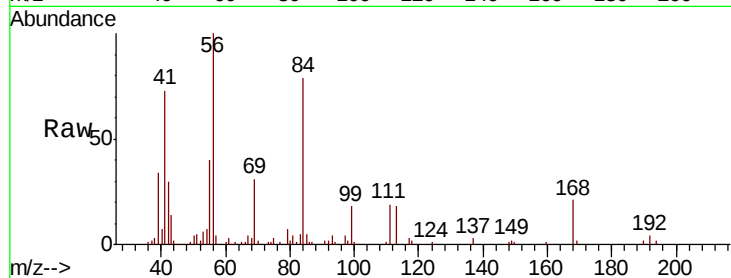
#31
Cvclohexane
Concen: 17.59 ug/l
RT: 6.34 min Scan# 622
Delta R.T. -0.03 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD0824SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.5	22.4	33.6
84	78.9	62.1	93.1

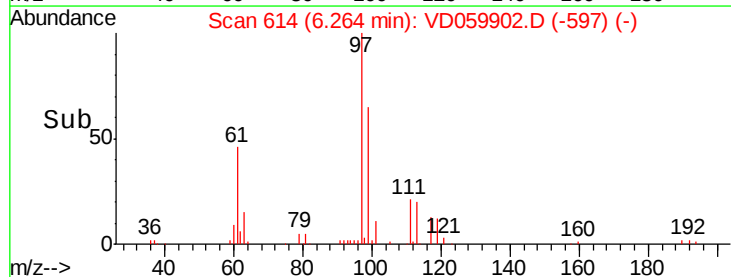
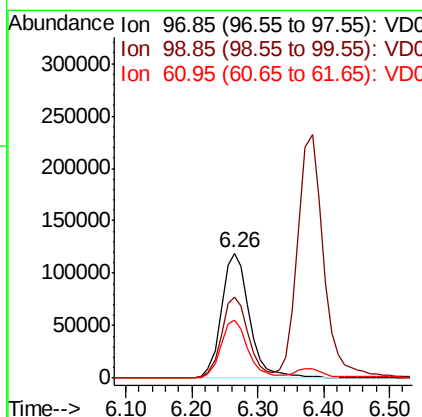
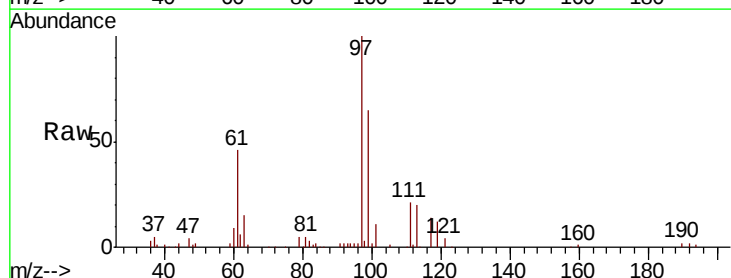
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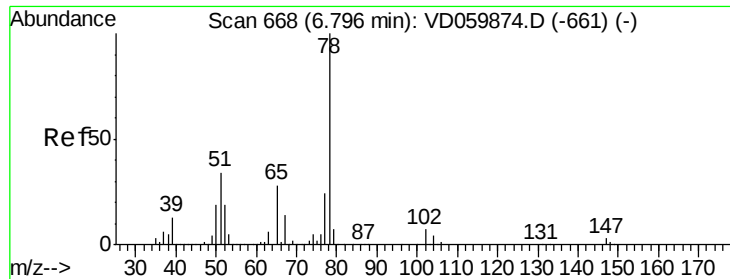
apatel
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#32
1,1,1-Trichloroethane
Concen: 19.85 ug/l
RT: 6.26 min Scan# 614
Delta R.T. -0.03 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.7	77.5
61	46.4	35.4	53.2





#33

1,2-Dichloroethane-d4

Concen: 19.85 ug/l

RT: 6.76 min Scan# 664

Delta R.T. -0.04 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Tot Ion: 65 Resp: 507436

Ion Ratio Lower Upper

65 100

67 50.1 0.0 103.8

Instrument :

MSVOA_D

ClientSampleId :

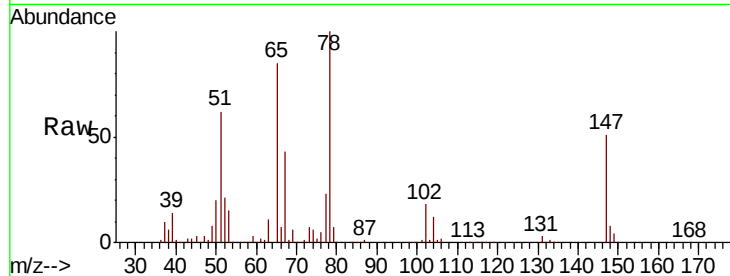
VD0824SBS01

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.76

200000

150000

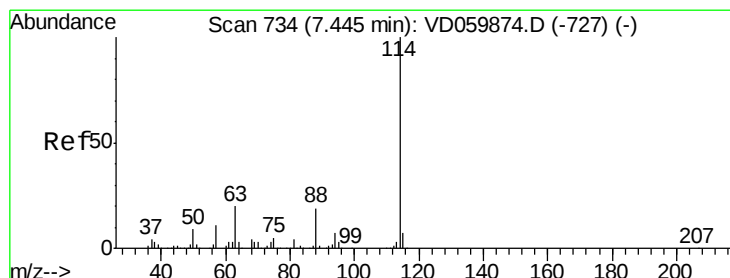
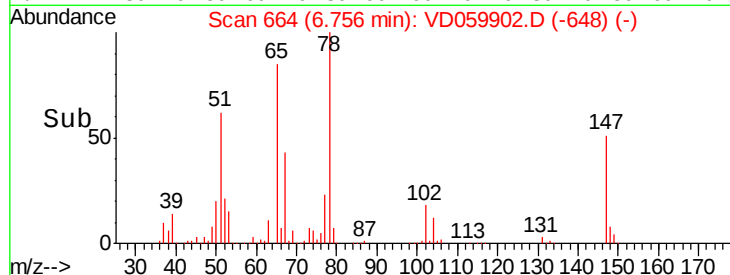
100000

50000

0

6.70 6.80 6.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.42 min Scan# 731

Delta R.T. -0.03 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

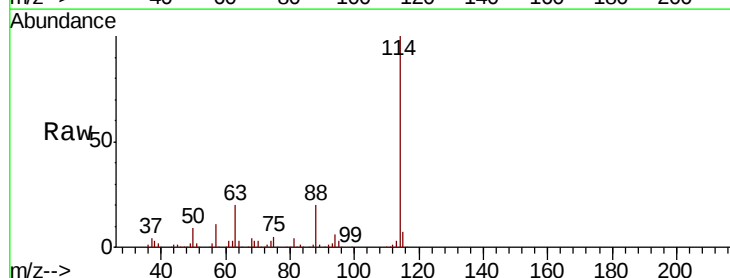
Tgt Ion:114 Resp: 1665102

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.4

88 19.5 0.0 37.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

7.42

800000

600000

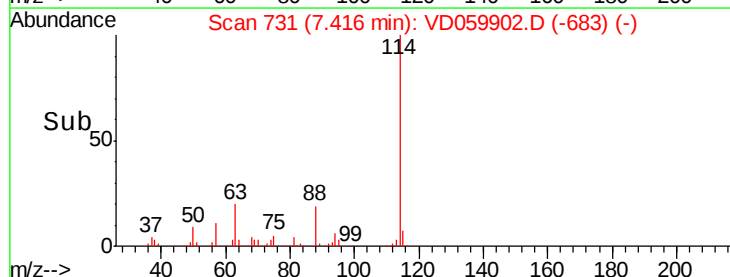
400000

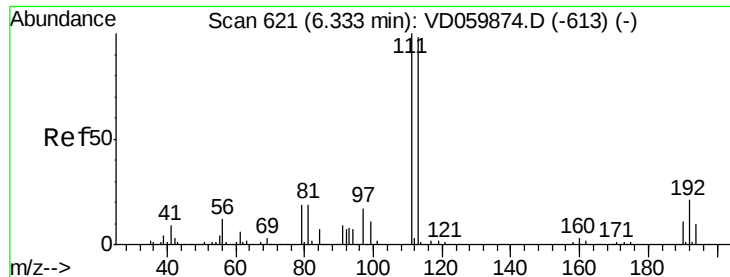
200000

0

7.30 7.40 7.50 7.60 7.70

Time-->





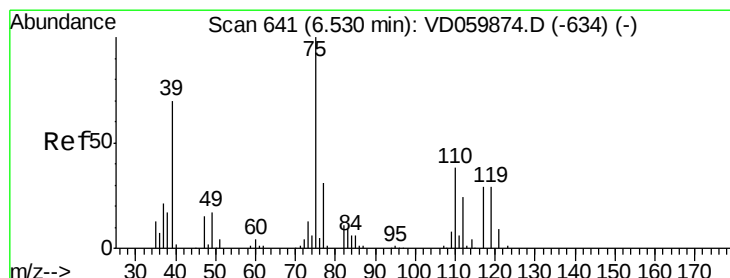
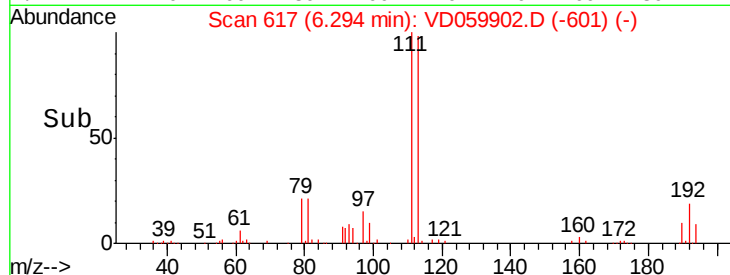
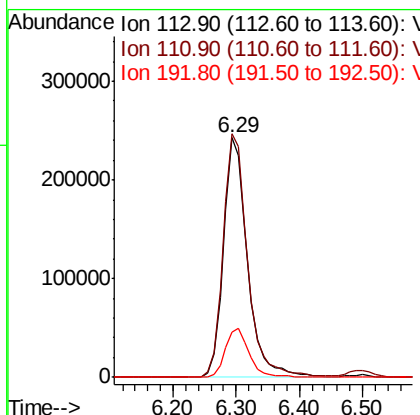
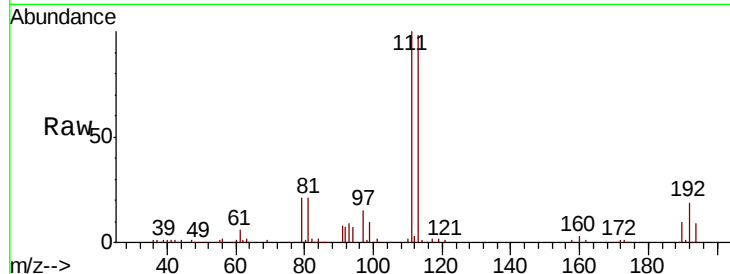
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.29 min Scan# 617
 Delta R.T. -0.04 min
 Lab File: VD059902.D
 Acq: 24 Aug 2018 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0824SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	640928		
111	101.6	81.4	122.2	
192	19.1	17.0	25.6	

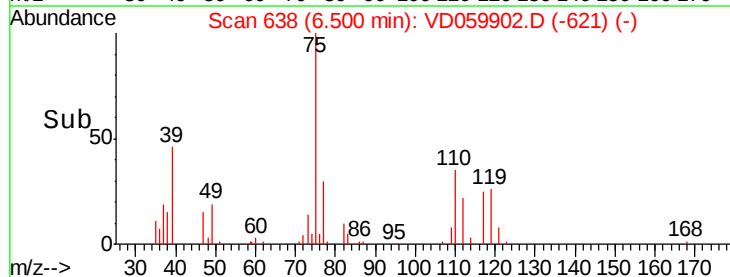
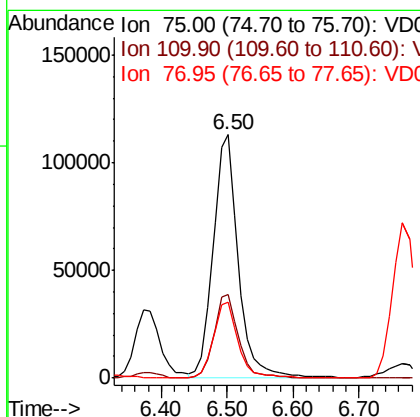
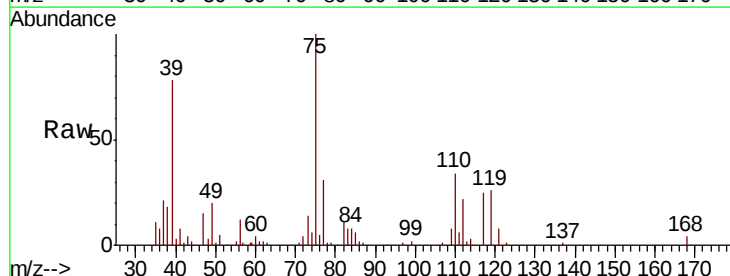
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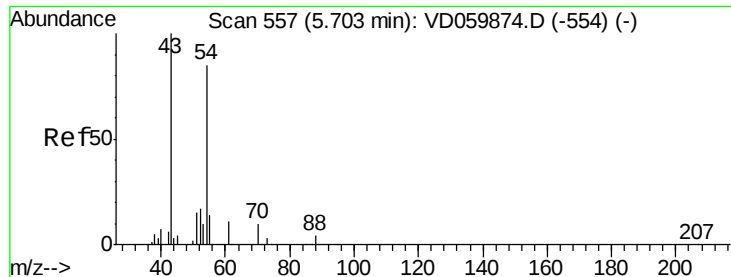
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#36
 1,1-Dichloropropene
 Concen: 19.39 ug/l
 RT: 6.50 min Scan# 638
 Delta R.T. -0.03 min
 Lab File: VD059902.D
 Acq: 24 Aug 2018 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	292692		
110	34.3	18.6	56.0	
77	31.1	25.1	37.7	





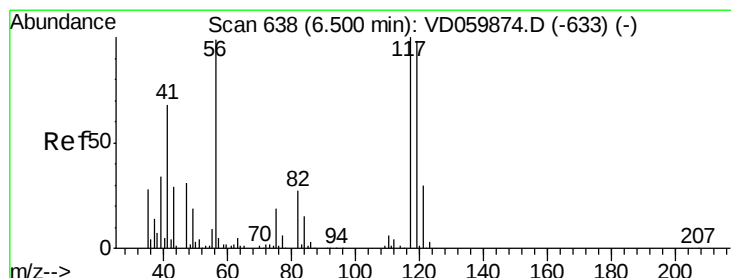
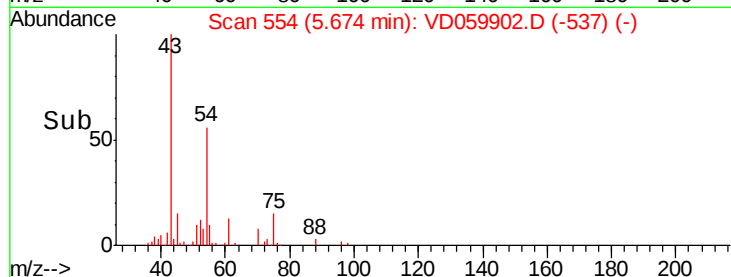
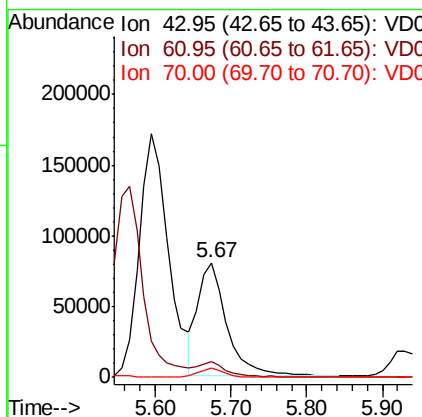
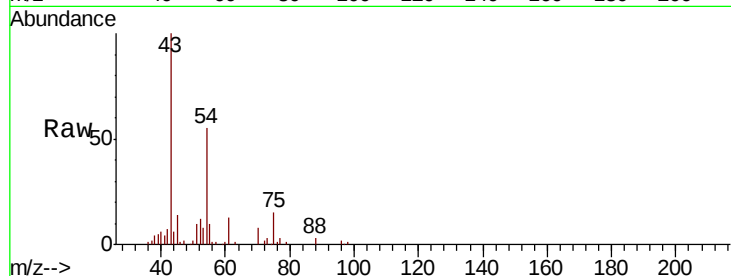
#37
Ethyl Acetate
Concen: 18.21 ug/l
RT: 5.67 min Scan# 554
Delta R.T. -0.03 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD0824SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.0	16.6
70	8.0	5.7	8.5

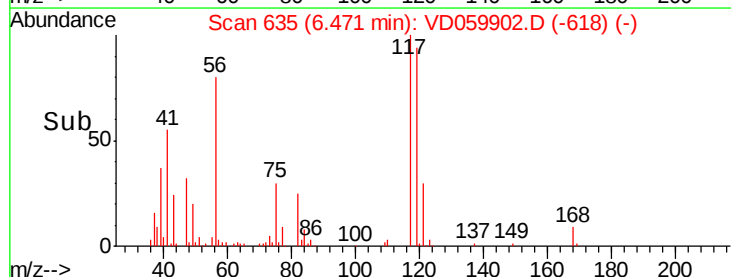
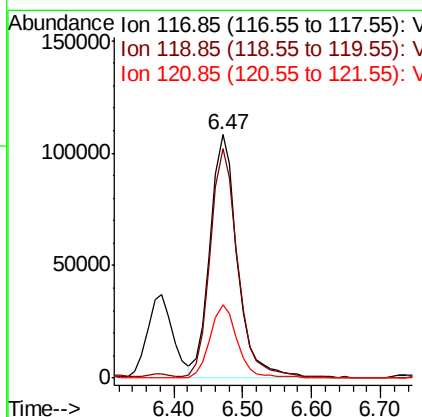
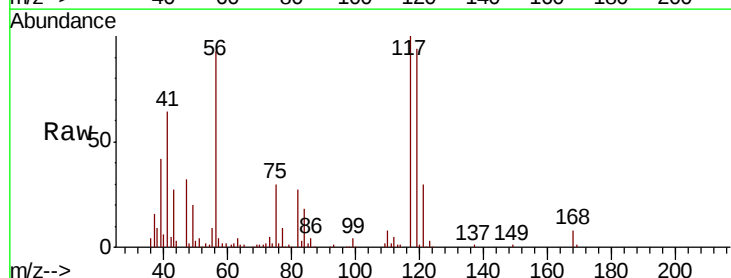
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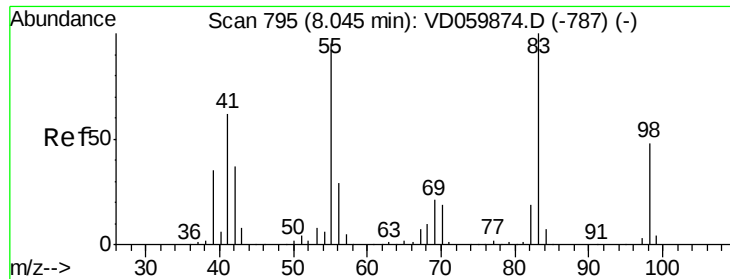
apatel
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#38
Carbon Tetrachloride
Concen: 19.46 ug/l
RT: 6.47 min Scan# 635
Delta R.T. -0.03 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	77.2	115.8
121	30.0	24.0	36.0





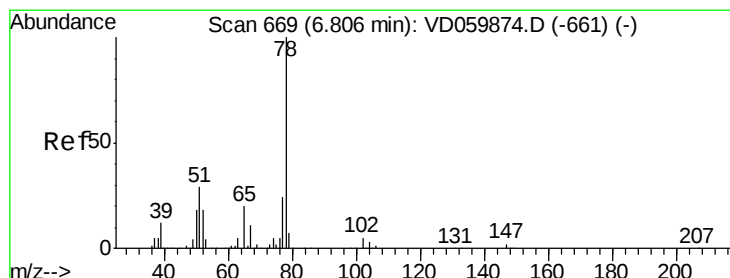
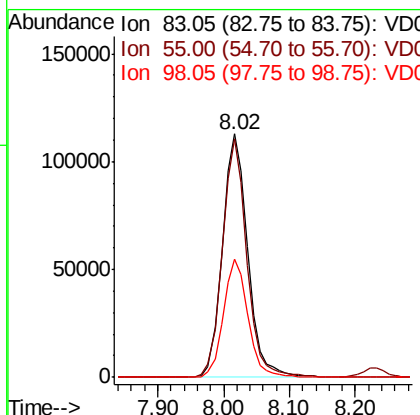
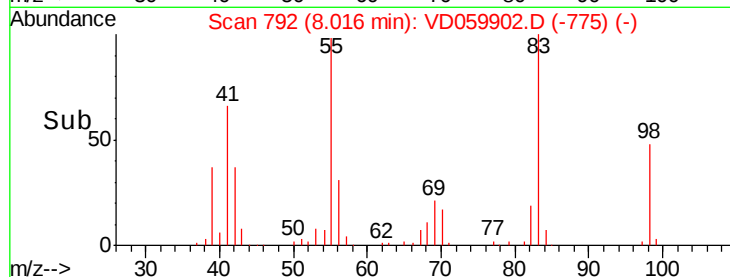
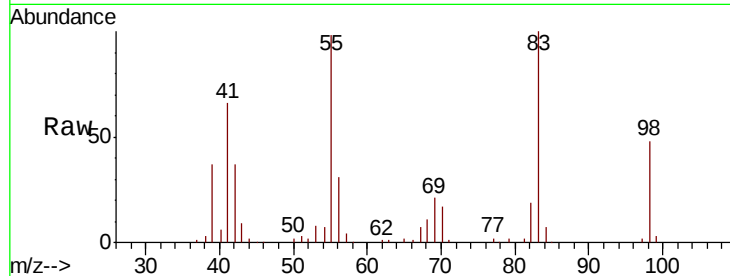
#39
Methvlcvclohexane
Concen: 18.54 ug/l
RT: 8.02 min Scan# 792
Delta R.T. -0.03 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD0824SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	97.9	75.8	113.6
98	48.3	38.3	57.5

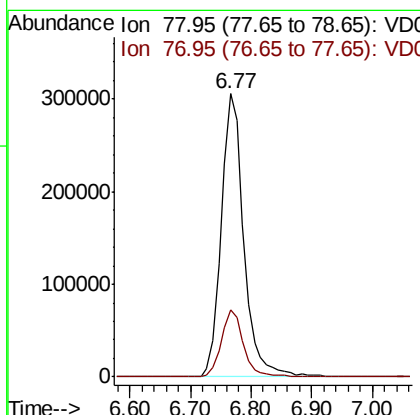
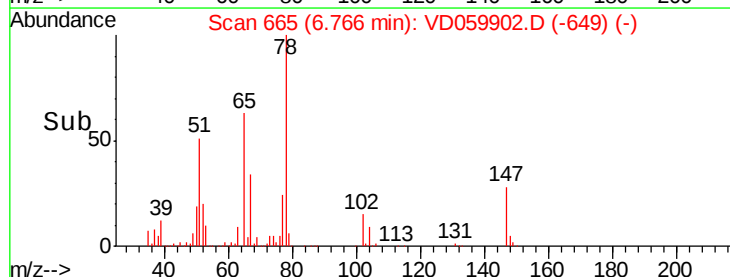
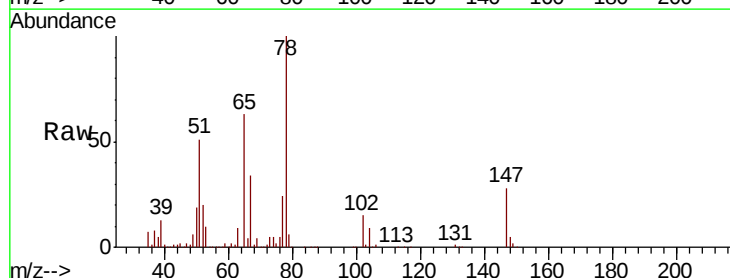
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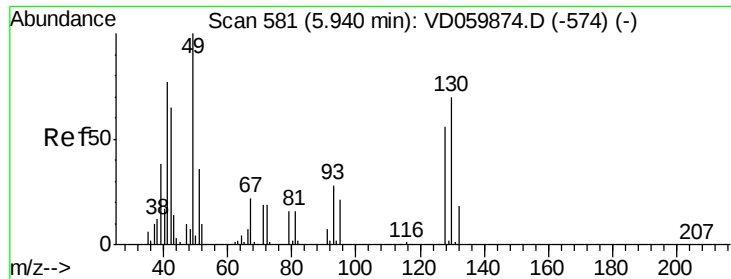
apatel
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#40
Benzene
Concen: 20.09 ug/l
RT: 6.77 min Scan# 665
Delta R.T. -0.04 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4





#41

Methacrylonitrile

Concen: 21.25 ug/l m

RT: 5.89 min Scan# 576

Delta R.T. -0.05 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

VD0824SBS01

Tot Ion: 41 Resp: 125755

Ion Ratio Lower Upper

41 100

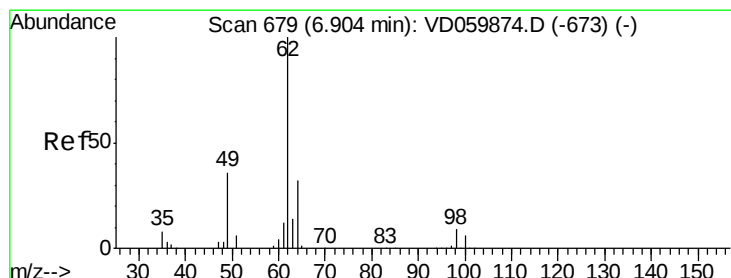
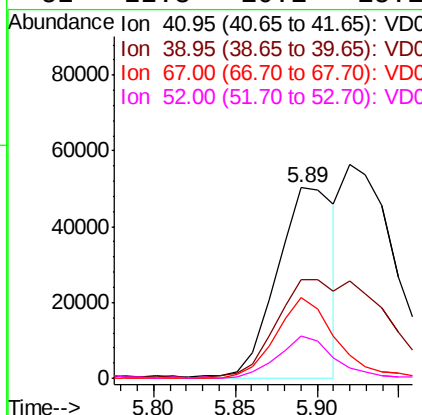
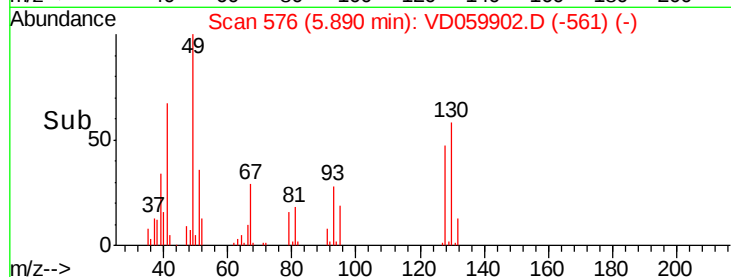
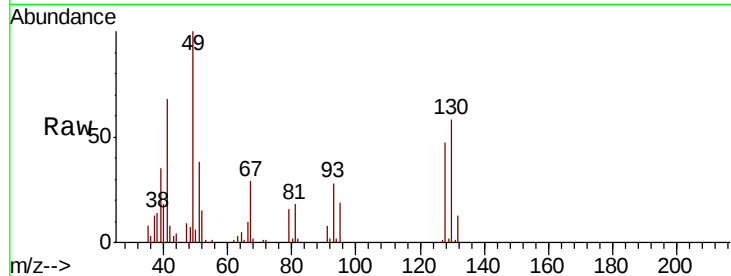
39 51.7 39.4 59.2

67 42.5 22.2 33.2#

52 22.3 10.1 15.1#

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#42

1,2-Dichloroethane

Concen: 20.31 ug/l

RT: 6.87 min Scan# 676

Delta R.T. -0.03 min

Lab File: VD059902.D

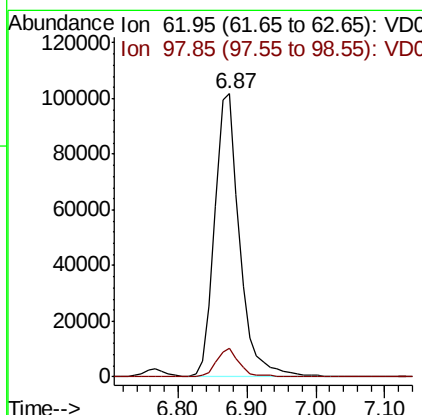
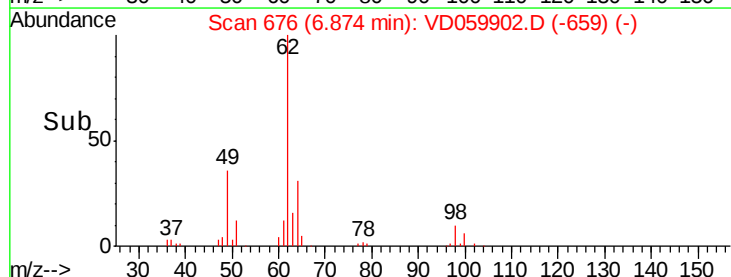
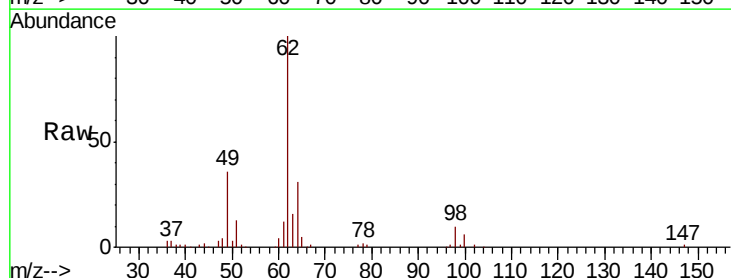
Acq: 24 Aug 2018 13:01

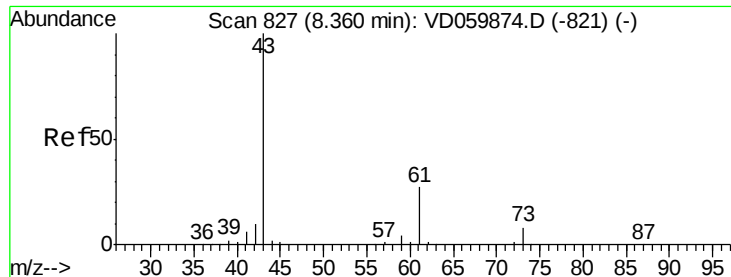
Tgt Ion: 62 Resp: 255937

Ion Ratio Lower Upper

62 100

98 9.9 0.0 18.4





#43

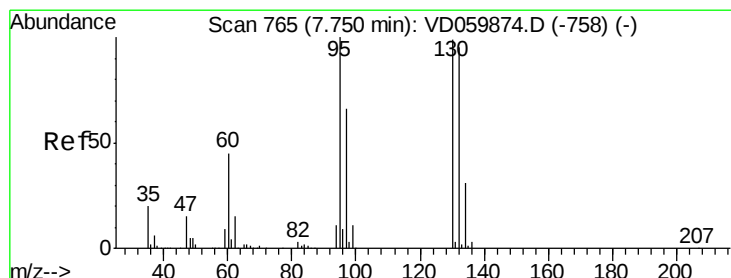
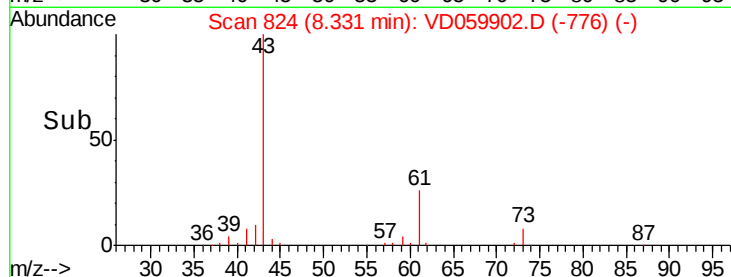
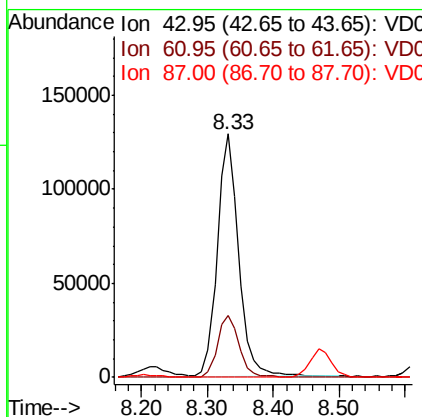
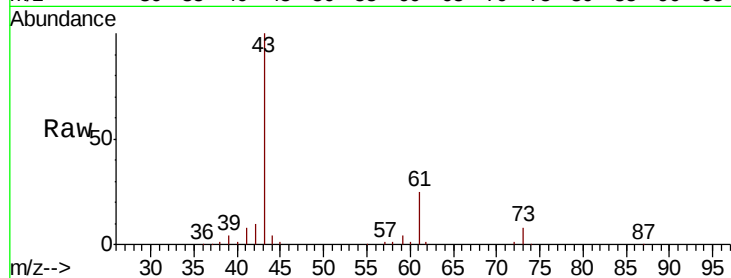
Isopropyl Acetate
 Concen: 19.05 ug/l
 RT: 8.33 min Scan# 824
 Delta R.T. -0.03 min
 Lab File: VD059902.D
 Acq: 24 Aug 2018 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0824SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.5	21.4	32.2
87	0.3	0.2	0.4

Manual Integrations
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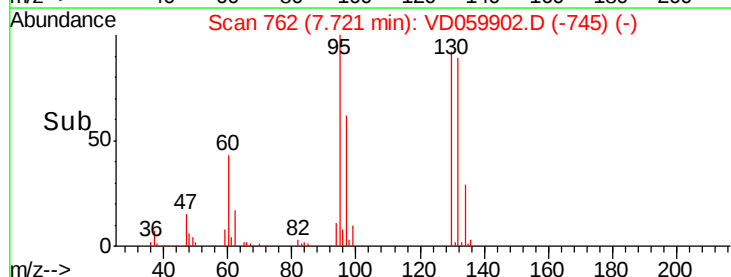
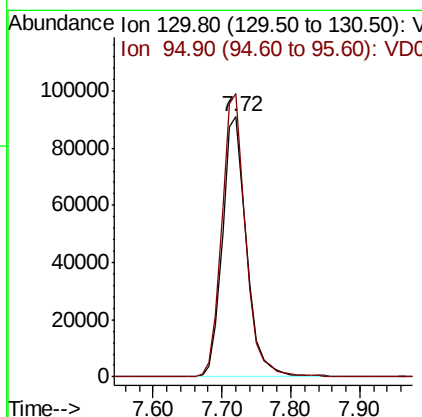
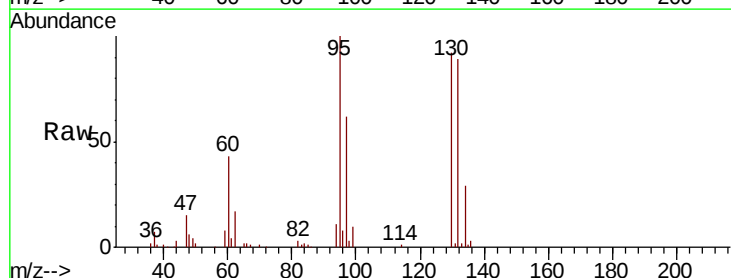
apatel
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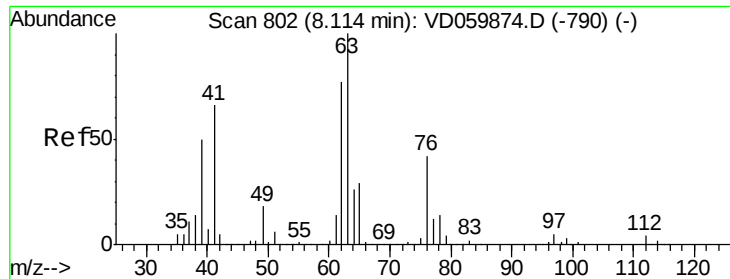


#44

Trichloroethene
 Concen: 19.02 ug/l
 RT: 7.72 min Scan# 762
 Delta R.T. -0.03 min
 Lab File: VD059902.D
 Acq: 24 Aug 2018 13:01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.8	0.0	202.0





#45

1,2-Dichloropropane

Concen: 20.33 ug/l

RT: 8.08 min Scan# 799

Delta R.T. -0.03 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

VD0824SBS01

Tot Ion: 63 Resp: 223020

Ion Ratio Lower Upper

63 100

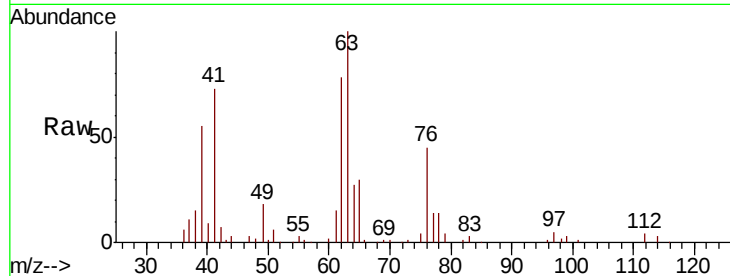
65 29.7 23.5 35.3

Manual Integrations

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.08

100000

80000

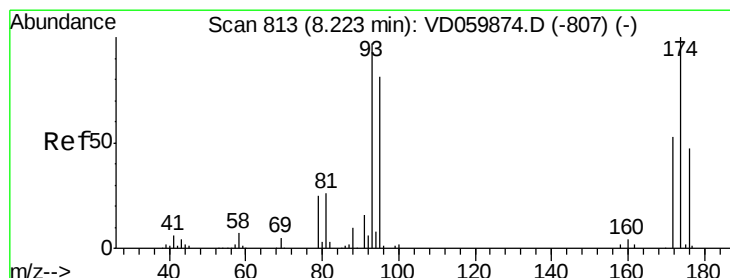
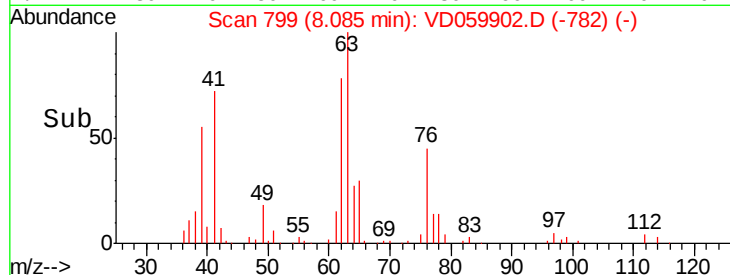
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 18.94 ug/l

RT: 8.19 min Scan# 810

Delta R.T. -0.03 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

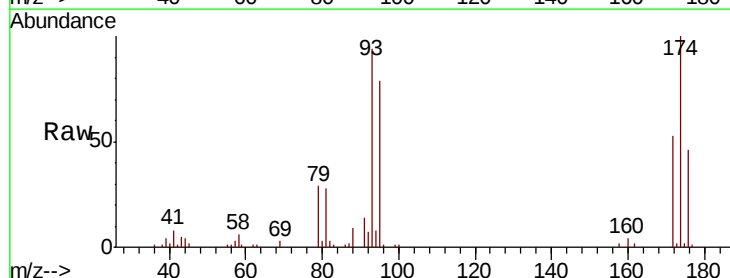
Tgt Ion: 93 Resp: 133600

Ion Ratio Lower Upper

93 100

95 83.7 66.6 100.0

174 106.6 82.4 123.6



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

8.19

80000

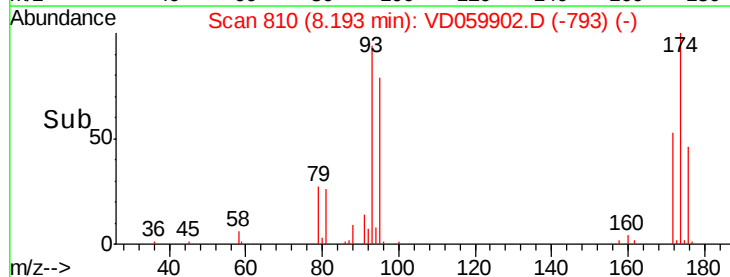
60000

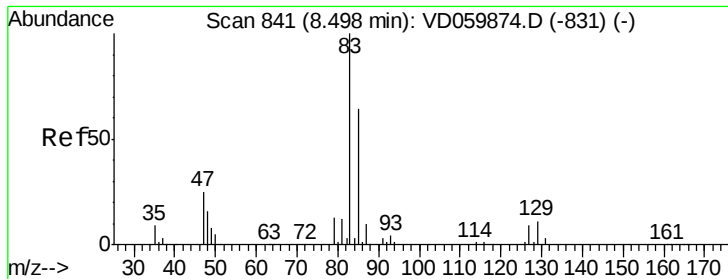
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 20.33 ug/l

RT: 8.47 min Scan# 838

Delta R.T. -0.03 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Instrument :

MSVOA_D

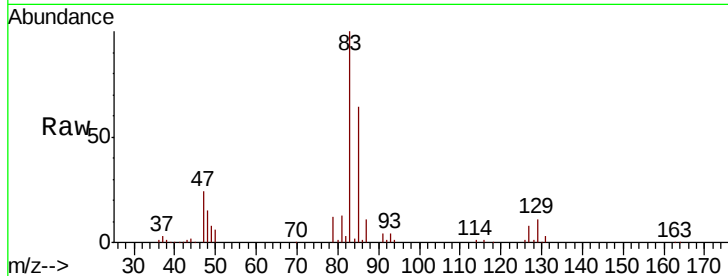
ClientSampleId :

VD0824SBS01

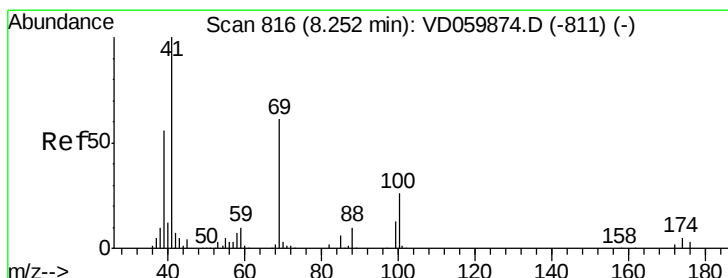
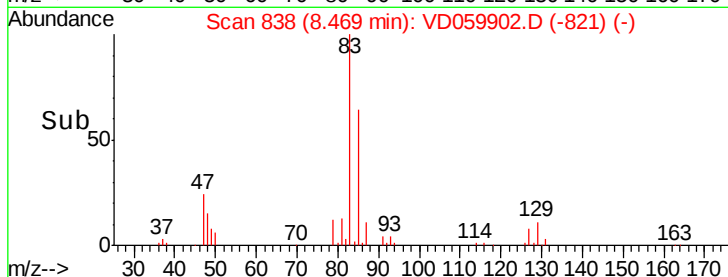
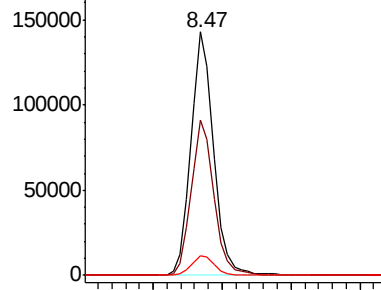
Tot Ion:	83	Resp:	324605
Ion Ratio	Lower	Upper	
83	100		
85	63.7	51.3	76.9
127	8.0	7.0	10.4

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Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 19.22 ug/l

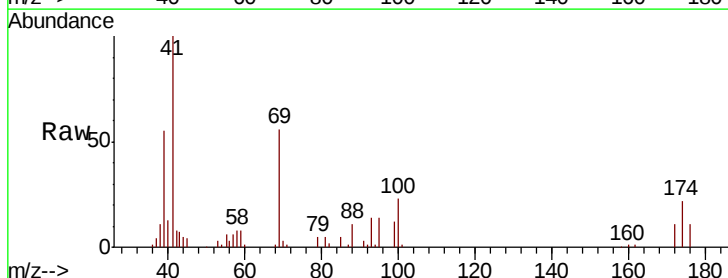
RT: 8.22 min Scan# 813

Delta R.T. -0.03 min

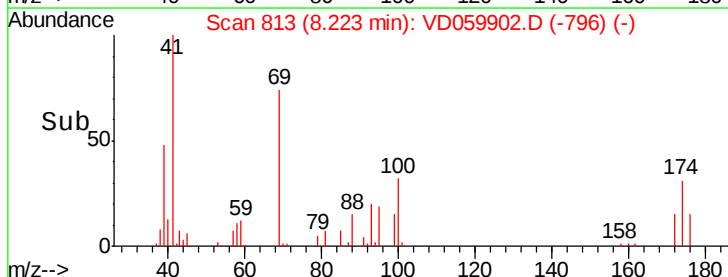
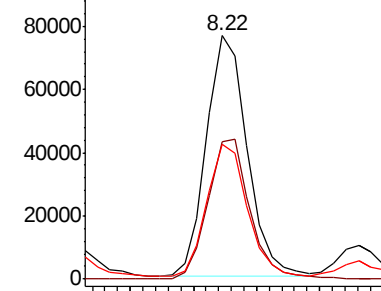
Lab File: VD059902.D

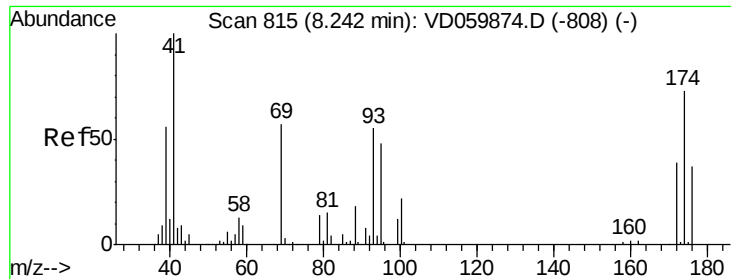
Acq: 24 Aug 2018 13:01

Tgt Ion:	41	Resp:	171213
Ion Ratio	Lower	Upper	
41	100		
69	56.3	48.0	72.0
39	55.3	45.4	68.0



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





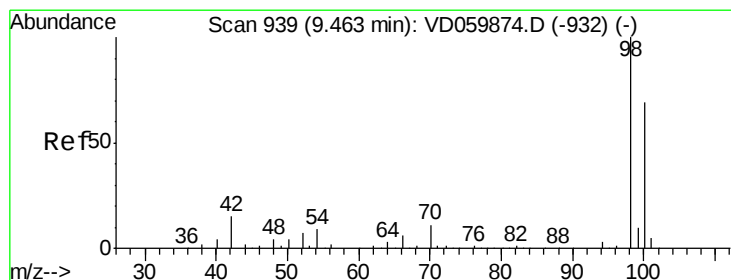
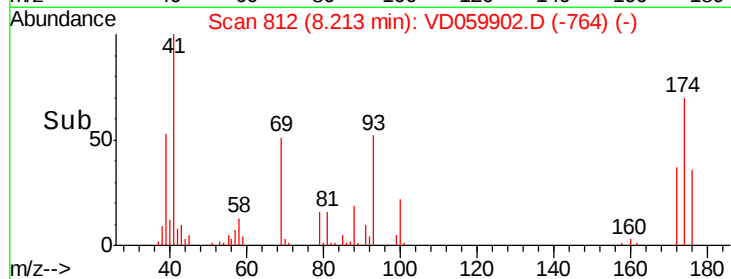
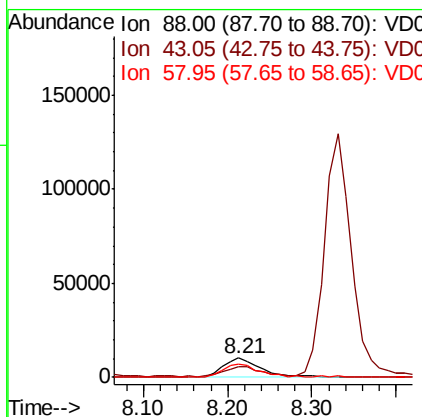
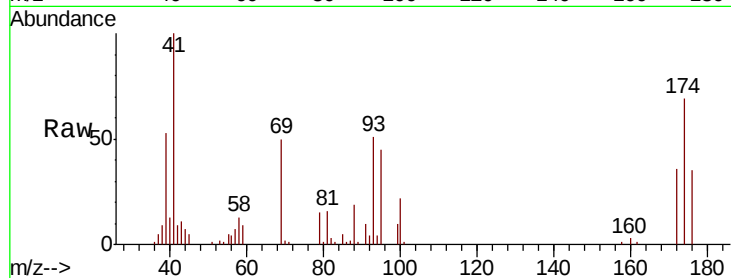
#49
1,4-Dioxane
Concen: 391.09 ug/l
RT: 8.21 min Scan# 812
Delta R.T. -0.03 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD0824SBS01

Tot Ion: 88 Resp: 31102
Ion Ratio Lower Upper
88 100
43 57.8 45.0 67.6
58 67.1 55.8 83.8

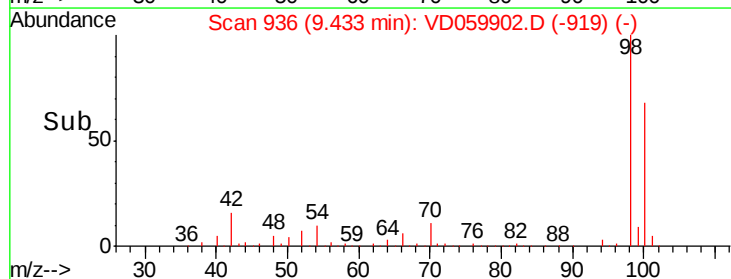
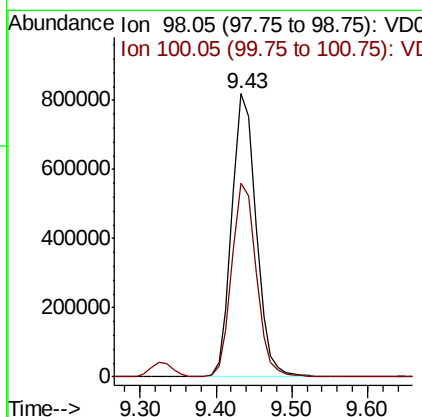
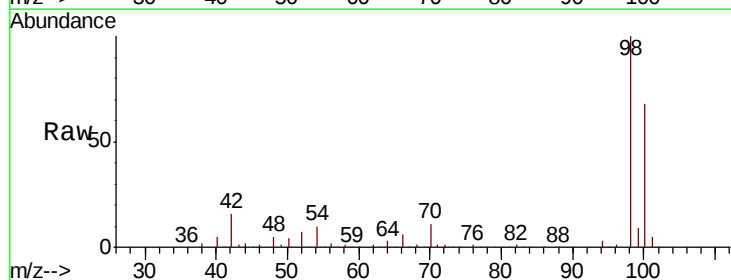
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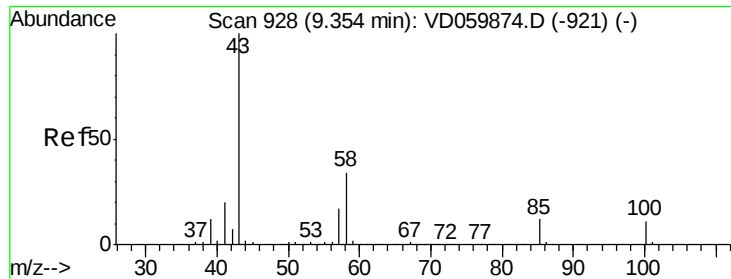
apatel
8/27/2018 10:48:35 AM



#50
Toluene-d8
Concen: 391.09 ug/l
RT: 9.43 min Scan# 936
Delta R.T. -0.03 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Tgt Ion: 98 Resp: 1822583
Ion Ratio Lower Upper
98 100
100 68.3 55.8 83.6





#51

4-Methyl-2-Pentanone

Concen: 85.30 ug/l

RT: 9.32 min Scan# 925

Delta R.T. -0.03 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

VD0824SBS01

Tot Ion: 43 Resp: 971801

Ion Ratio Lower Upper

43 100

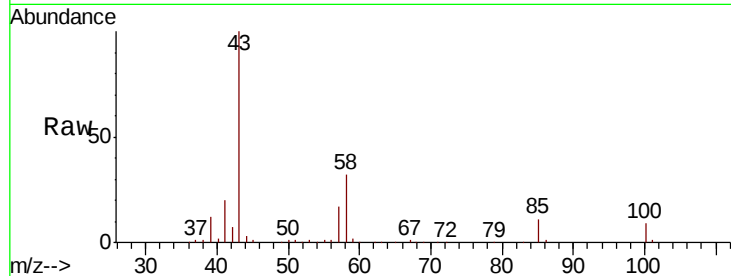
58 31.6 27.0 40.4

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.32

400000

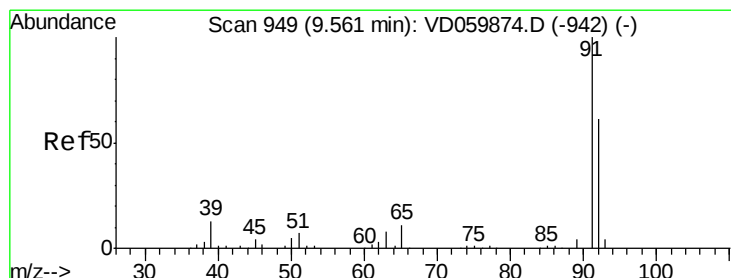
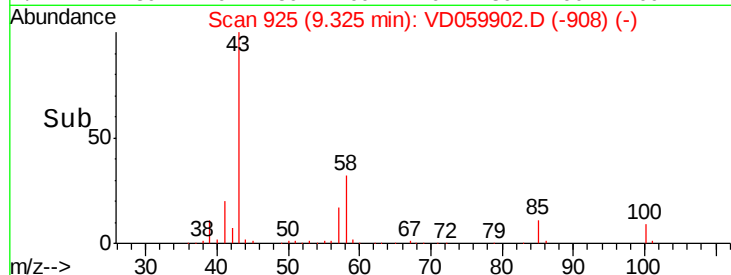
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.81 ug/l

RT: 9.53 min Scan# 946

Delta R.T. -0.03 min

Lab File: VD059902.D

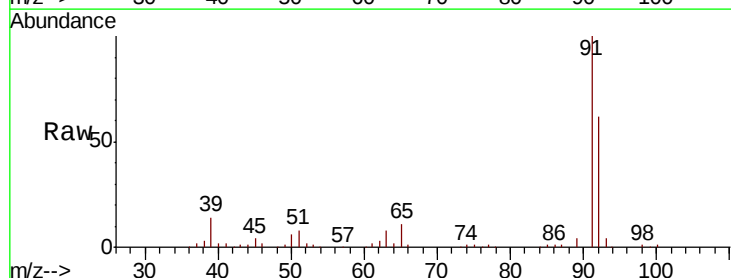
Acq: 24 Aug 2018 13:01

Tgt Ion: 92 Resp: 498466

Ion Ratio Lower Upper

92 100

91 162.5 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.53

400000

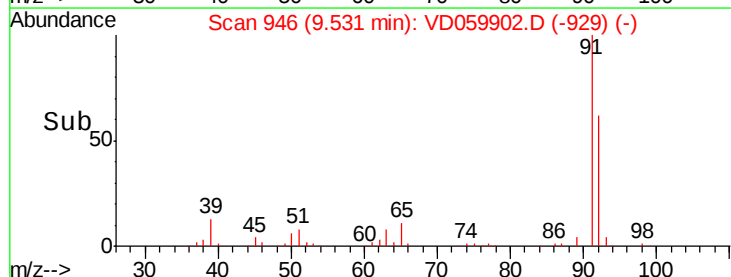
300000

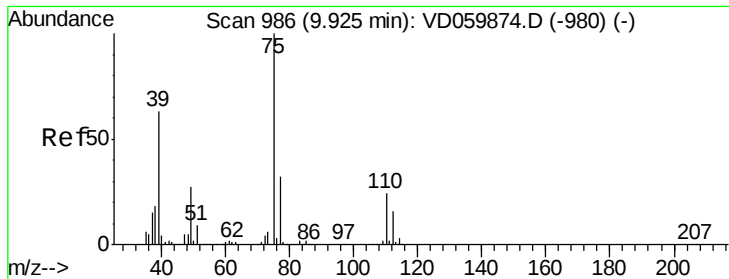
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.74 ug/l

RT: 9.91 min Scan# 984

Delta R.T. -0.02 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

VD0824SBS01

Tot Ion: 75 Resp: 291521

Ion Ratio Lower Upper

75 100

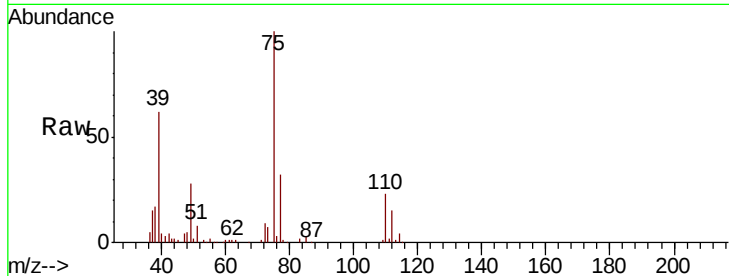
77 31.8 25.4 38.2

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.91

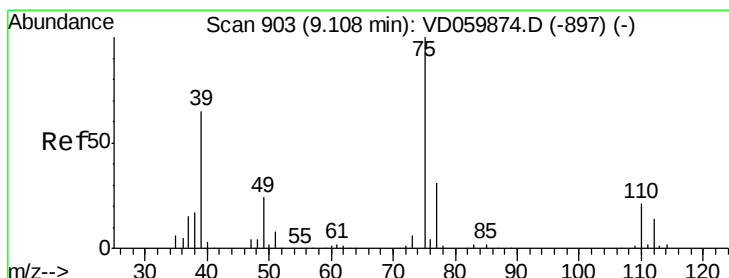
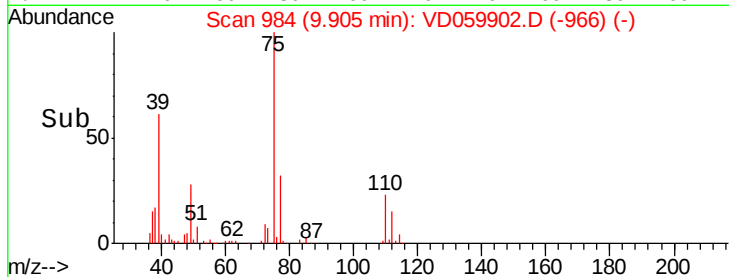
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.73 ug/l

RT: 9.08 min Scan# 900

Delta R.T. -0.03 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

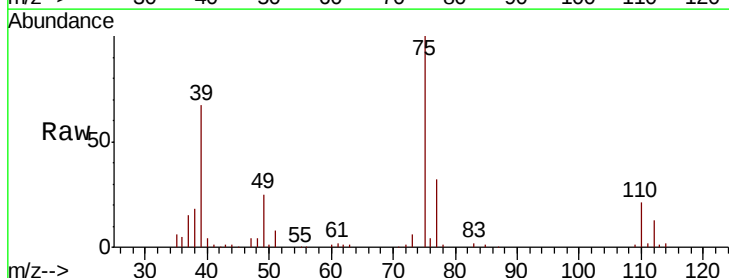
Tgt Ion: 75 Resp: 337800

Ion Ratio Lower Upper

75 100

77 32.2 24.8 37.2

39 67.3 52.1 78.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

9.08

200000

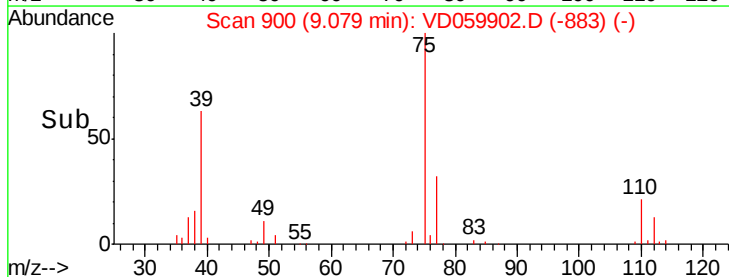
150000

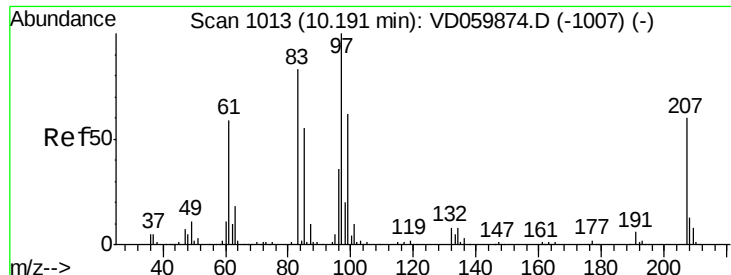
100000

50000

0

Time-->





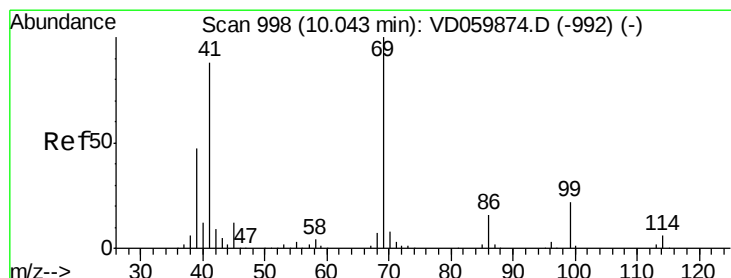
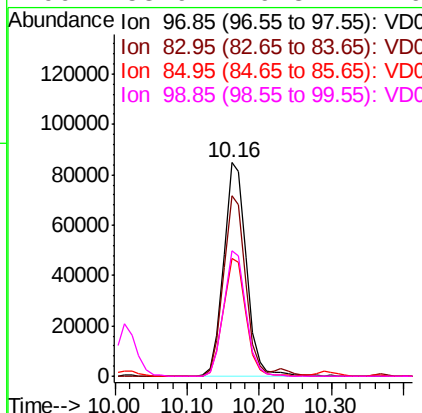
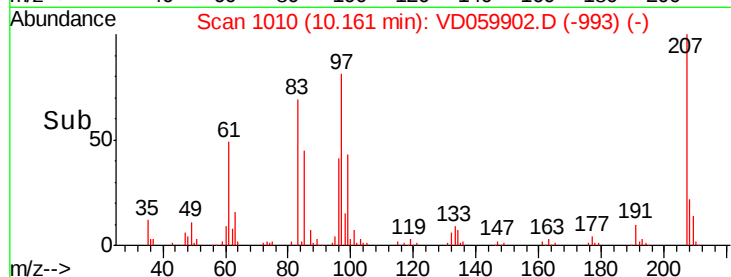
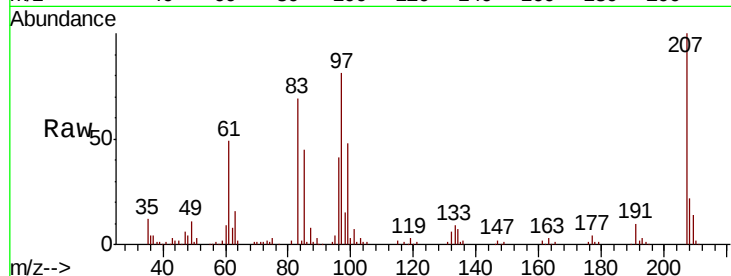
#55
 1,1,2-Trichloroethane
 Concen: 20.15 ug/l
 RT: 10.16 min Scan# 1010
 Delta R.T. -0.03 min
 Lab File: VD059902.D
 Acq: 24 Aug 2018 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0824SBS01

Tot Ion	97	Resp	185343
Ion Ratio	Lower	Upper	
97	100		
83	84.4	66.7	100.1
85	55.1	43.8	65.6
99	58.9	49.8	74.6

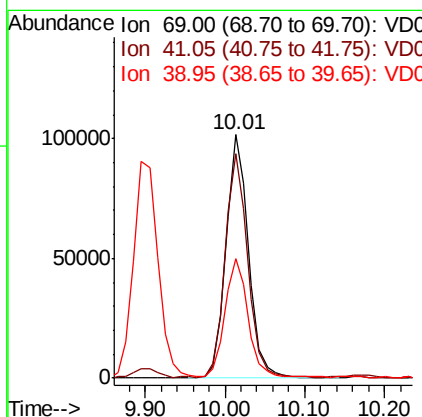
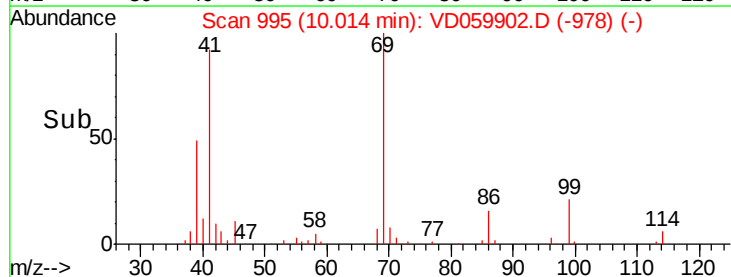
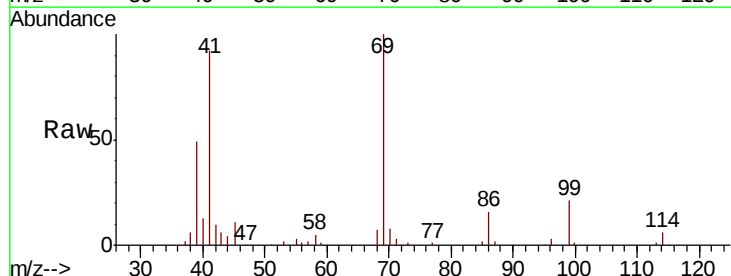
Manual Integrations
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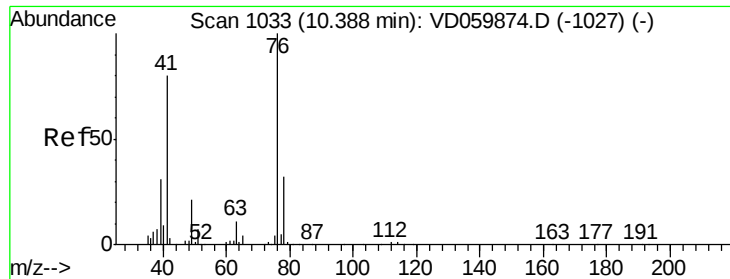
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#56
 Ethyl methacrylate
 Concen: 19.05 ug/l
 RT: 10.01 min Scan# 995
 Delta R.T. -0.03 min
 Lab File: VD059902.D
 Acq: 24 Aug 2018 13:01

Tgt Ion	69	Resp	202287
Ion Ratio	Lower	Upper	
69	100		
41	92.1	71.0	106.4
39	49.2	38.5	57.7





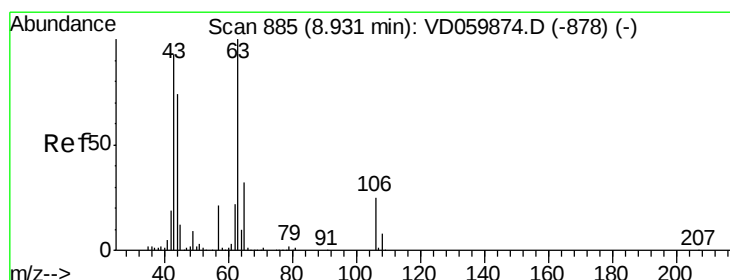
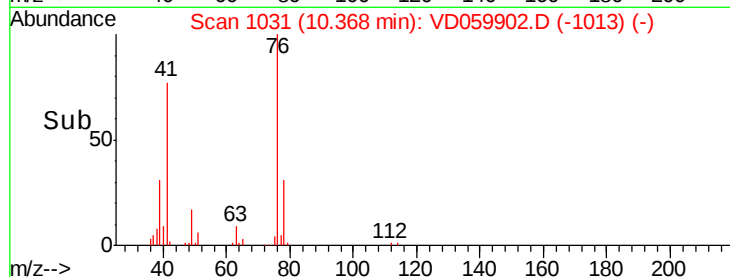
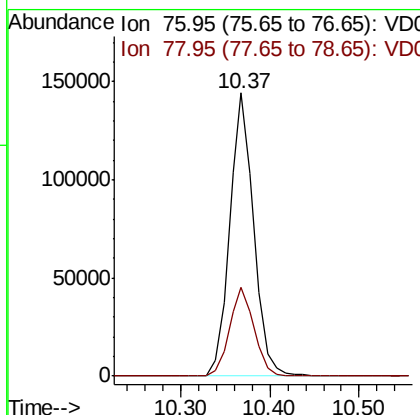
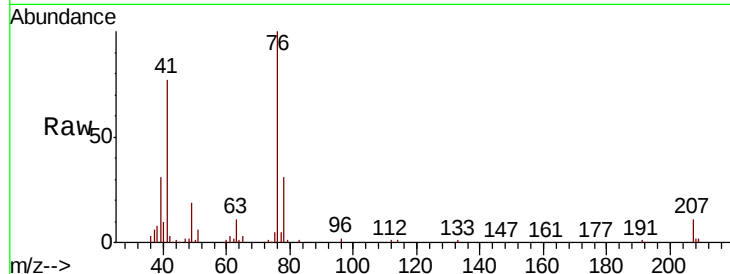
#57
 1,3-Dichloropropane
 Concen: 20.36 ug/l
 RT: 10.37 min Scan# 1031
 Delta R.T. -0.02 min
 Lab File: VD059902.D
 Acq: 24 Aug 2018 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0824SBS01

Tot Ion: 76 Resp: 271070
 Ion Ratio Lower Upper
 76 100
 78 31.2 25.8 38.6

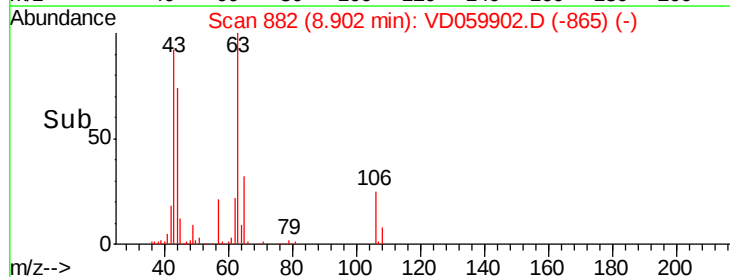
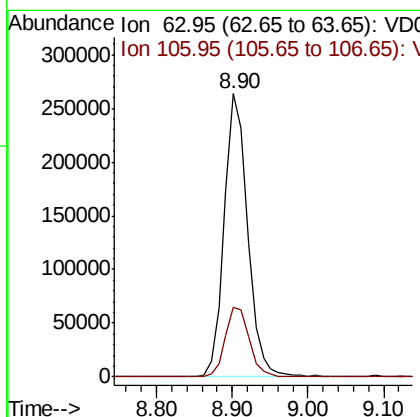
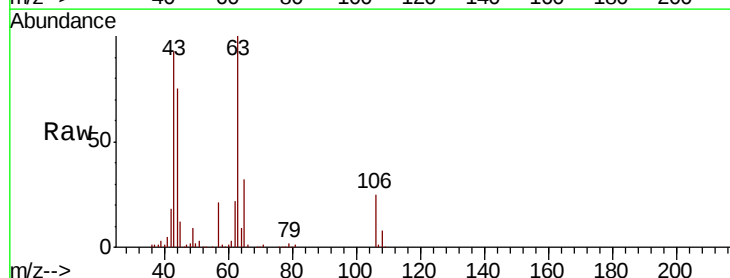
Manual Integrations
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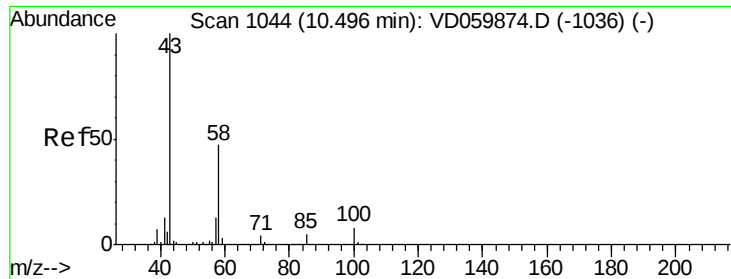
apatel
 8/27/2018 10:48:35 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 111.05 ug/l
 RT: 8.90 min Scan# 882
 Delta R.T. -0.03 min
 Lab File: VD059902.D
 Acq: 24 Aug 2018 13:01

Tgt Ion: 63 Resp: 565600
 Ion Ratio Lower Upper
 63 100
 106 24.7 20.1 30.1





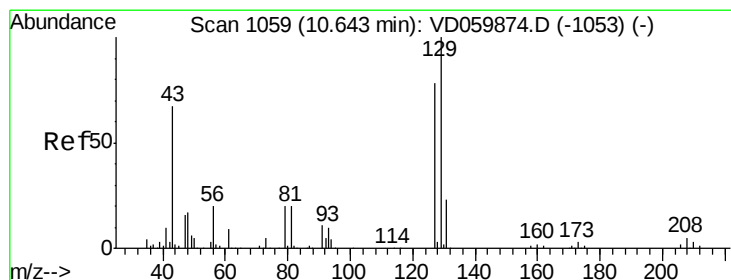
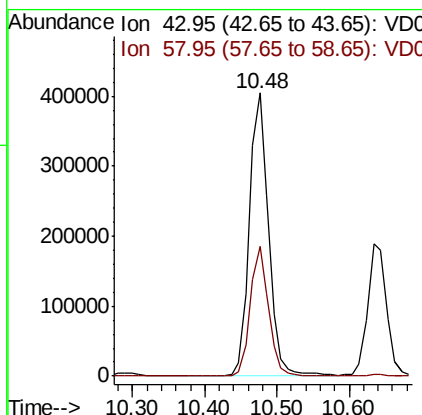
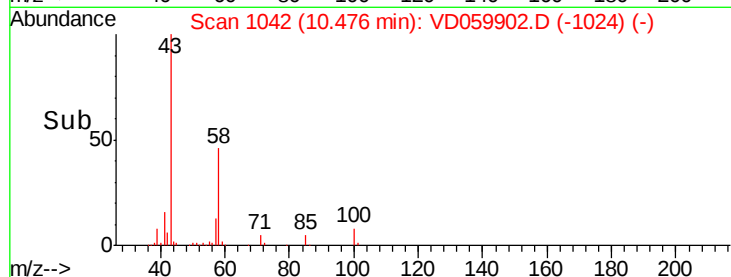
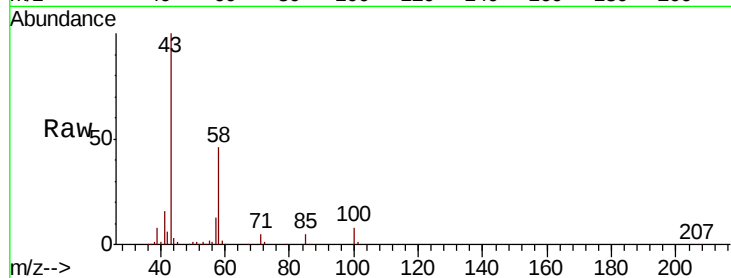
#59
2-Hexanone
Concen: 89.68 ug/l
RT: 10.48 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD0824SBS01

Tot Ion: 43 Resp: 753584
Ion Ratio Lower Upper
43 100
58 45.8 23.3 69.8

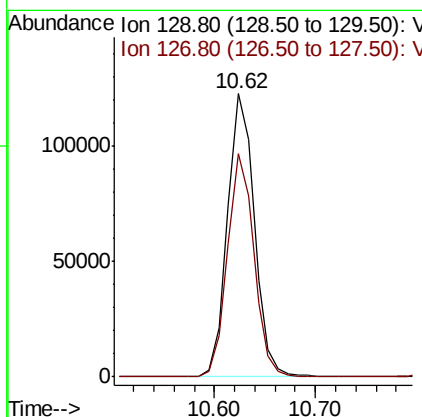
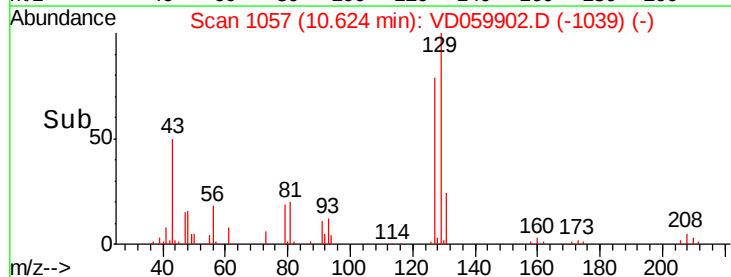
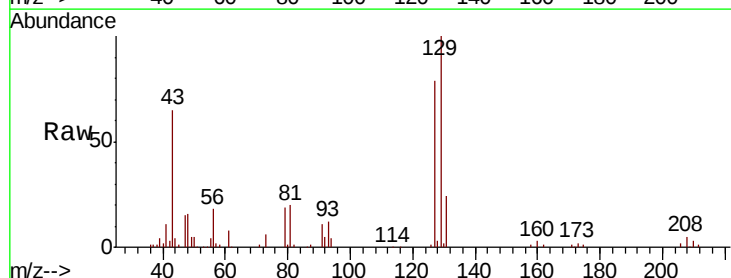
Manual Integrations
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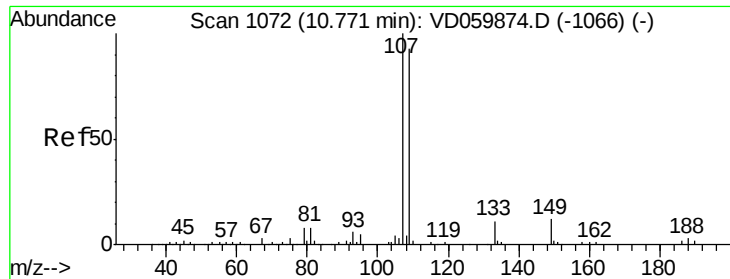
apatel
8/27/2018 10:48:35 AM



#60
Dibromochloromethane
Concen: 19.60 ug/l
RT: 10.62 min Scan# 1057
Delta R.T. -0.02 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Tgt Ion: 129 Resp: 226581
Ion Ratio Lower Upper
129 100
127 78.7 39.1 117.2





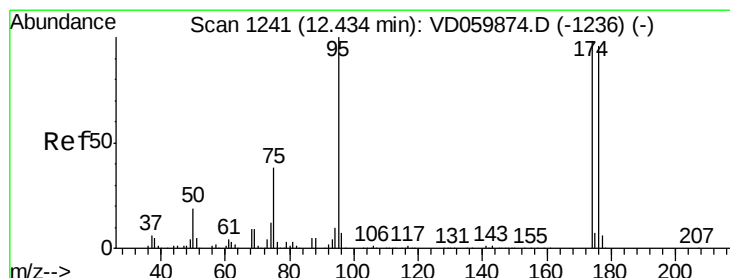
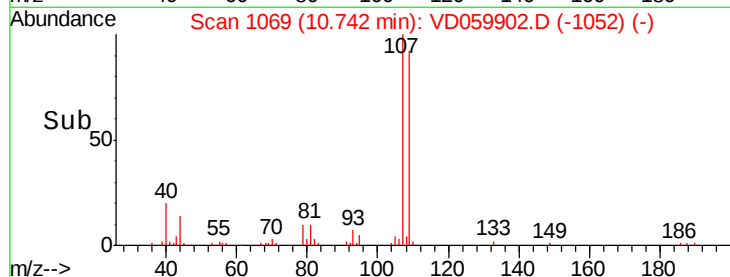
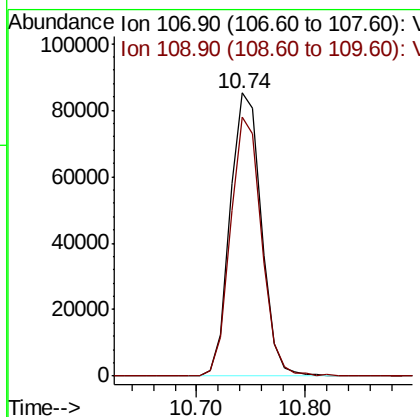
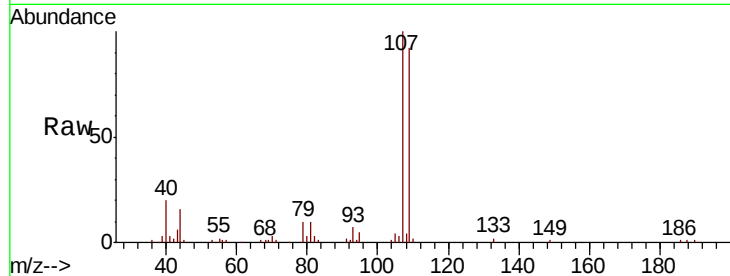
#61
 1,2-Dibromoethane
 Concen: 18.33 ug/l
 RT: 10.74 min Scan# 1069
 Delta R.T. -0.03 min
 Lab File: VD059902.D
 Acq: 24 Aug 2018 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0824SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.6	74.6	112.0

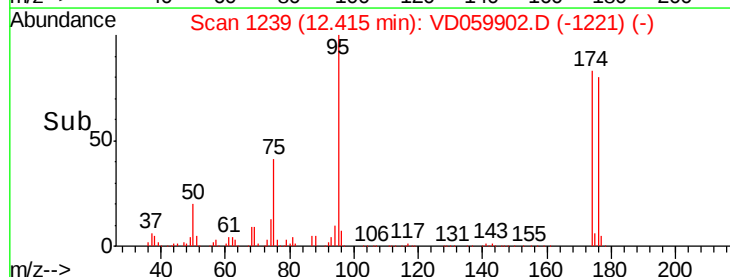
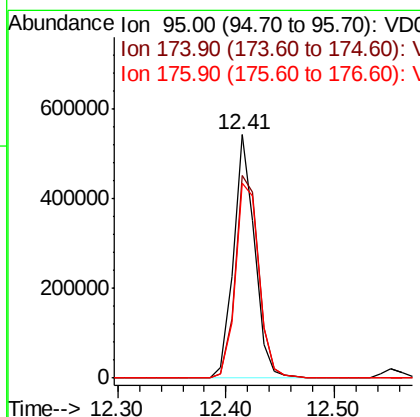
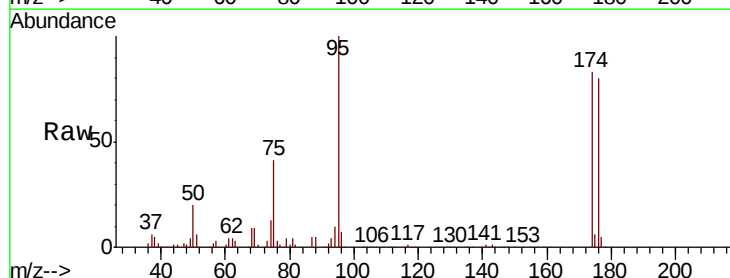
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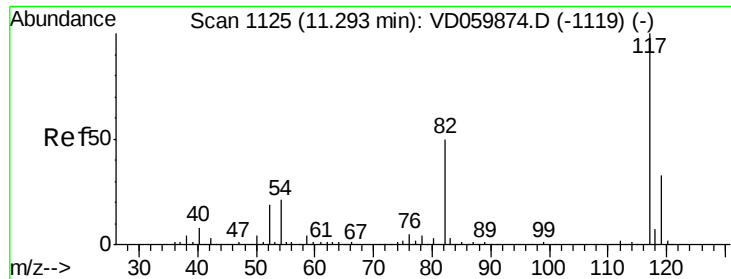
apatel
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#62
 4-Bromofluorobenzene
 Concen: 18.33 ug/l
 RT: 12.41 min Scan# 1239
 Delta R.T. -0.02 min
 Lab File: VD059902.D
 Acq: 24 Aug 2018 13:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.2	0.0	195.6
176	80.3	0.0	191.2





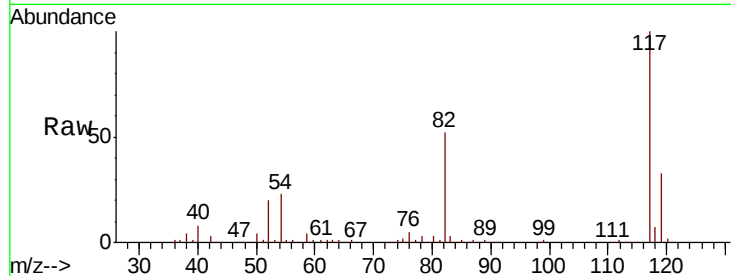
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 1123
Delta R.T. -0.02 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD0824SBS01

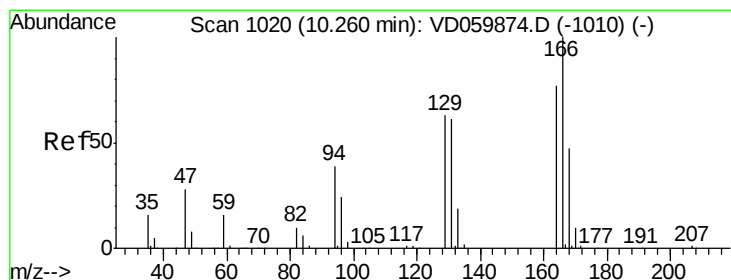
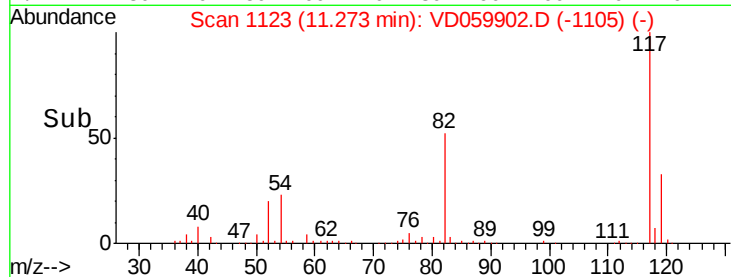
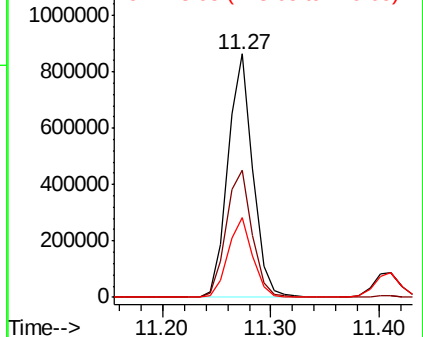
Tot Ion:117 Resp: 1373656
Ion Ratio Lower Upper
117 100
82 52.5 40.1 60.1
119 32.5 26.7 40.1

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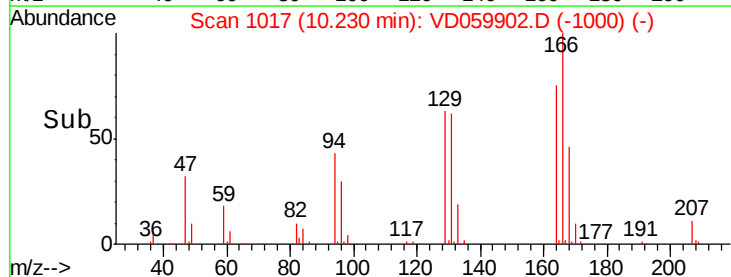
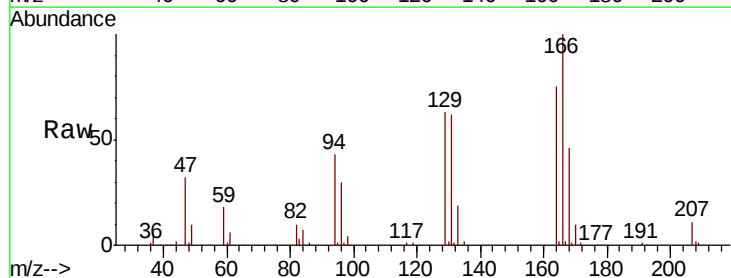
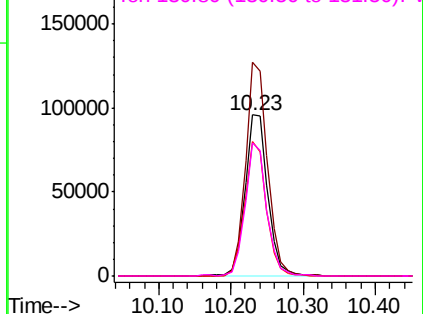
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): VD
Ion 118.95 (118.65 to 119.65): V

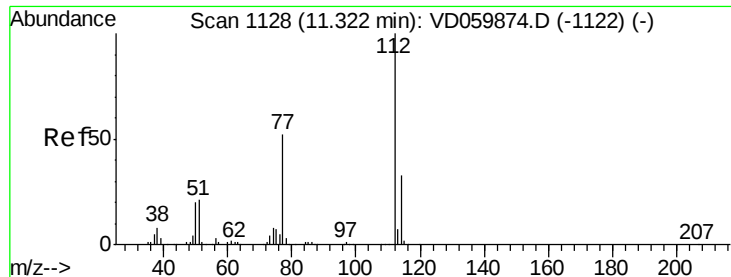


#64
Tetrachloroethene
Concen: 19.81 ug/l
RT: 10.23 min Scan# 1017
Delta R.T. -0.03 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Tgt Ion:164 Resp: 210423
Ion Ratio Lower Upper
164 100
166 132.7 103.4 155.2
129 83.9 65.2 97.8
131 82.9 63.1 94.7

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





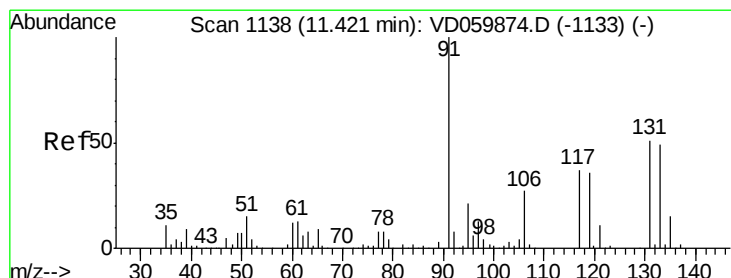
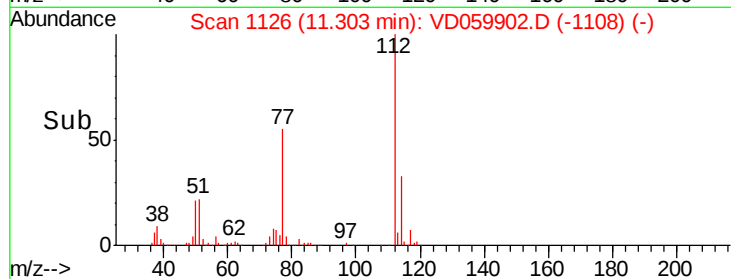
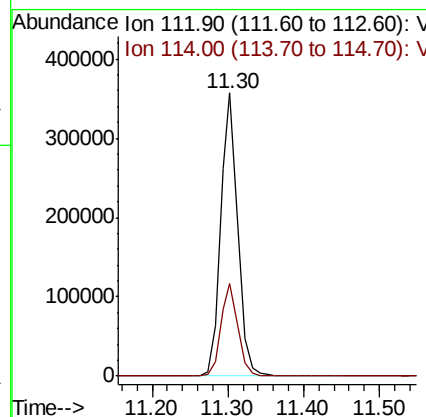
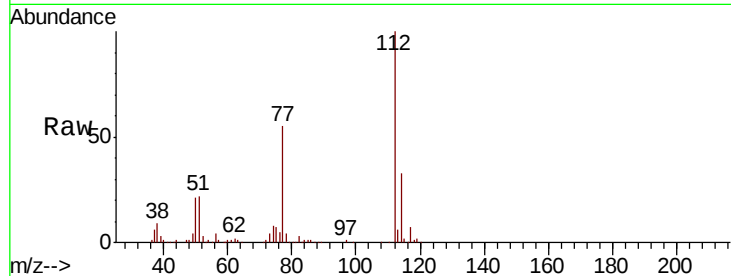
#65
Chlorobenzene
Concen: 20.67 ug/l
RT: 11.30 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD0824SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.9	26.4	39.6

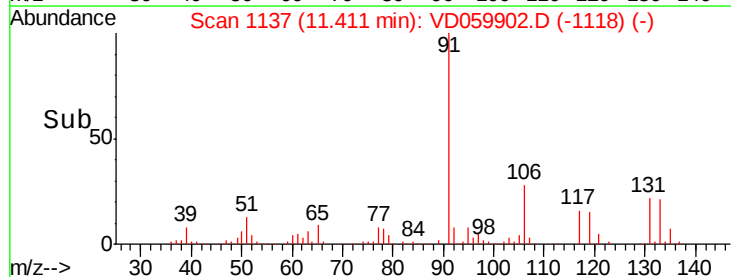
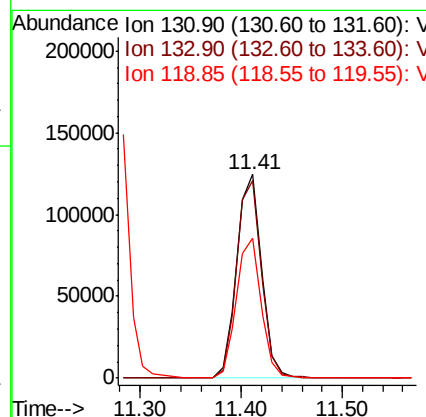
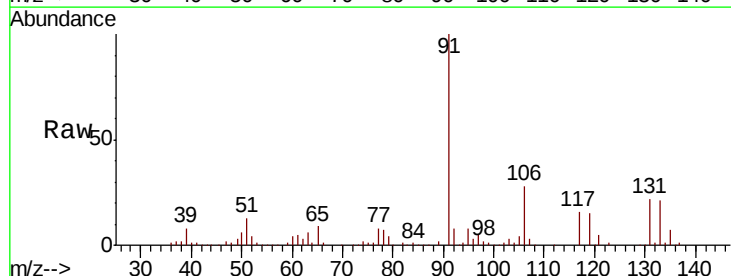
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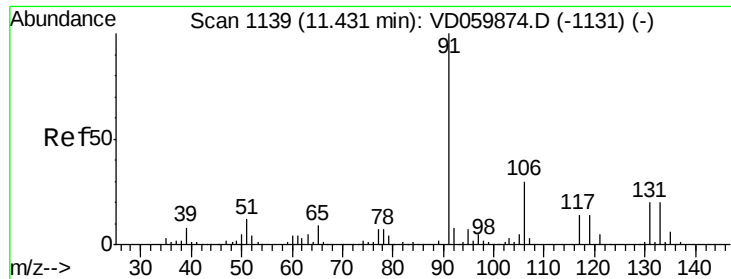
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.24 ug/l
RT: 11.41 min Scan# 1137
Delta R.T. -0.01 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.0	48.3	144.8
119	68.6	35.4	106.3





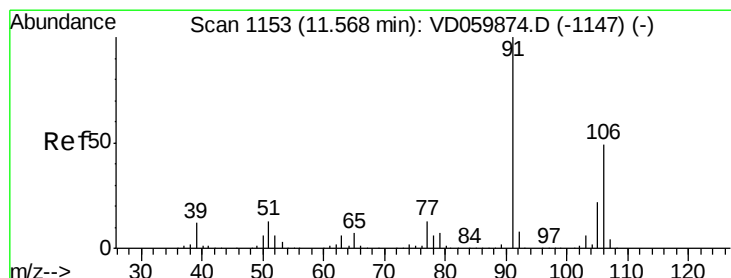
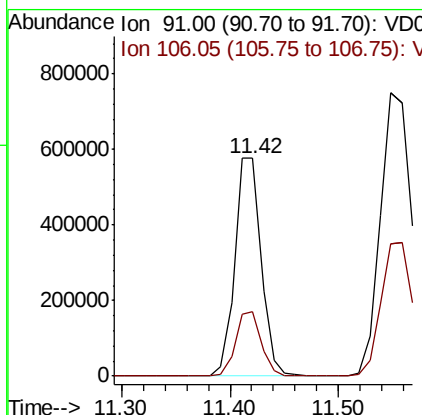
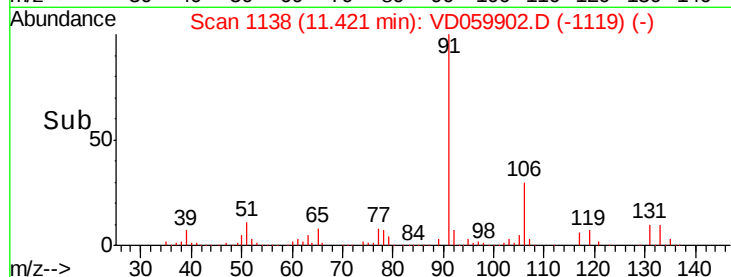
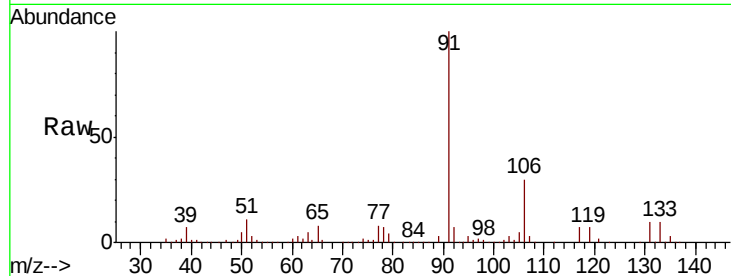
#67
Ethyl Benzene
Concen: 21.29 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD0824SBS01

Tot Ion: 91 Resp: 977792
Ion Ratio Lower Upper
91 100
106 29.9 23.8 35.8

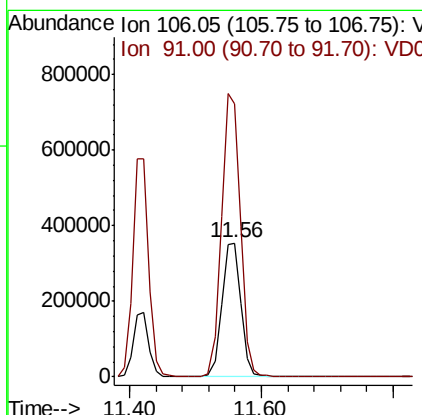
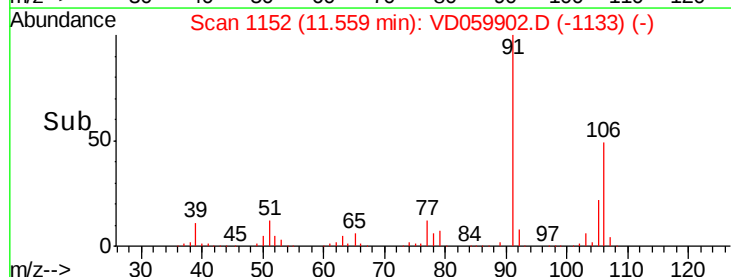
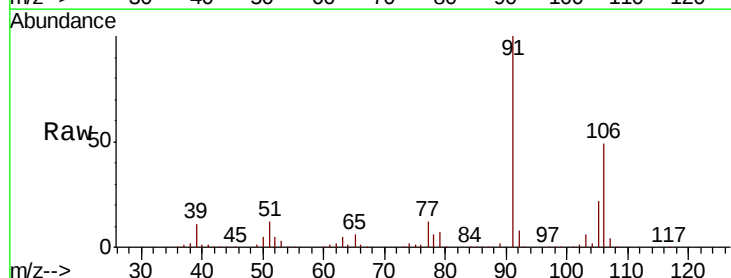
Manual Integrations
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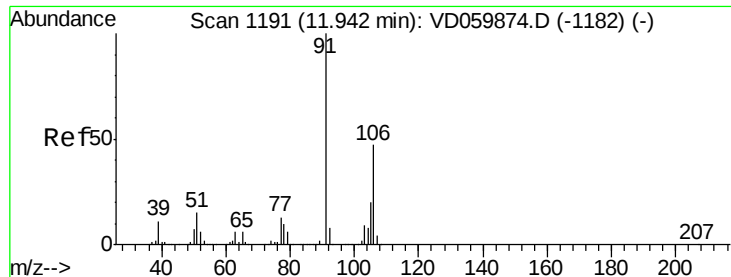
apatel
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#68
m/p-Xylenes
Concen: 42.61 ug/l
RT: 11.56 min Scan# 1152
Delta R.T. -0.01 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Tgt Ion: 106 Resp: 712450
Ion Ratio Lower Upper
106 100
91 203.5 162.0 243.0





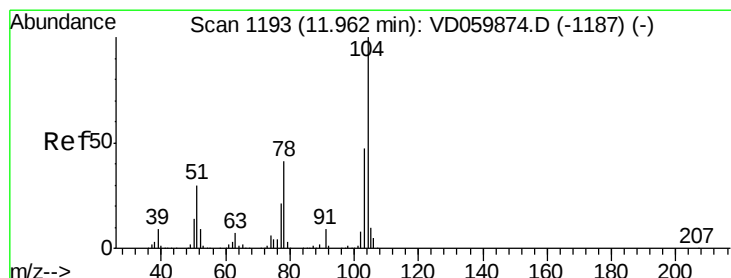
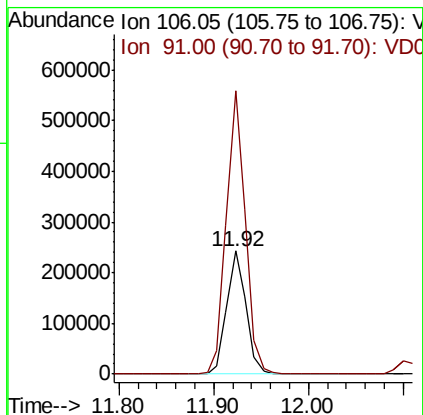
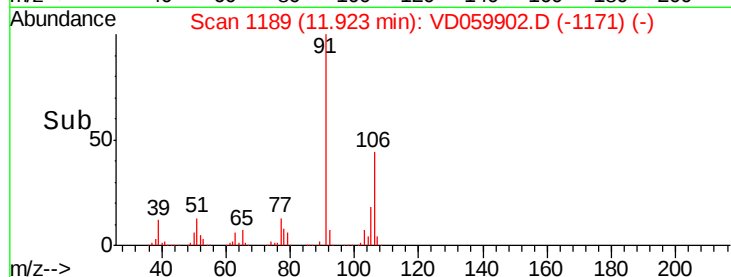
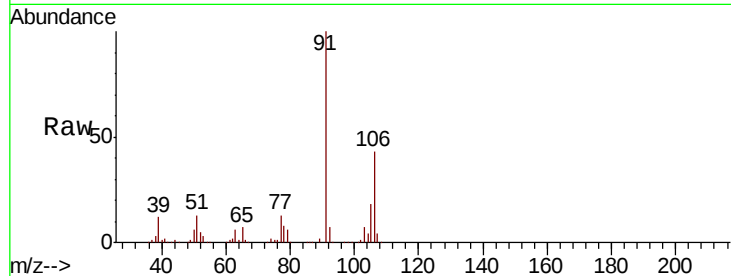
#69
o-Xylene
Concen: 20.93 ug/l
RT: 11.92 min Scan# 1189
Delta R.T. -0.02 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD0824SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		342310		
91	230.2	107.3	322.0		

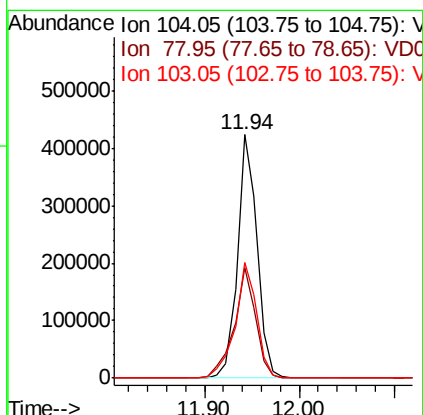
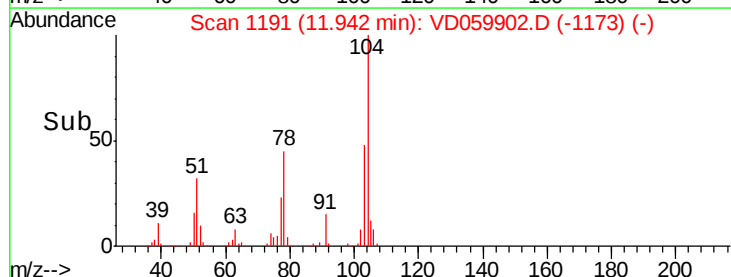
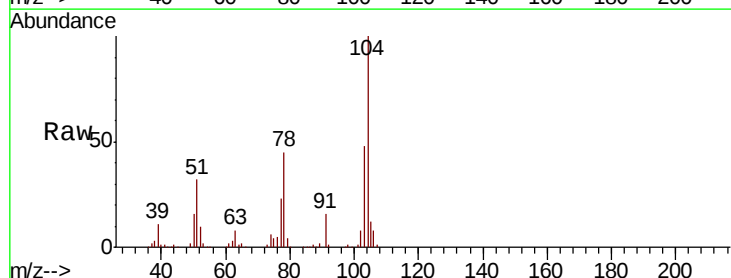
Manual Integrations
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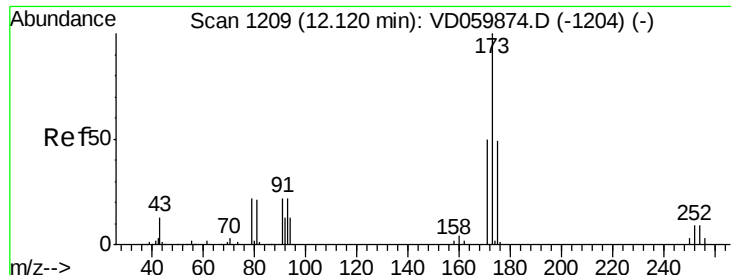
apatel
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#70
Styrene
Concen: 21.38 ug/l
RT: 11.94 min Scan# 1191
Delta R.T. -0.02 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		605494		
78	45.4	32.6	49.0		
103	47.5	37.7	56.5		





#71

Bromoform

Concen: 19.66 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Instrument :

MSVOA_D

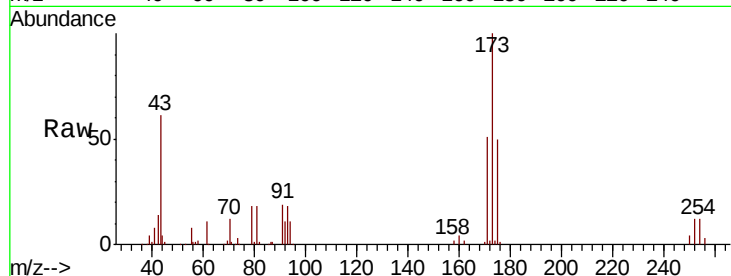
ClientSampleId :

VD0824SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.3	73.0
254	11.6	7.0	10.6

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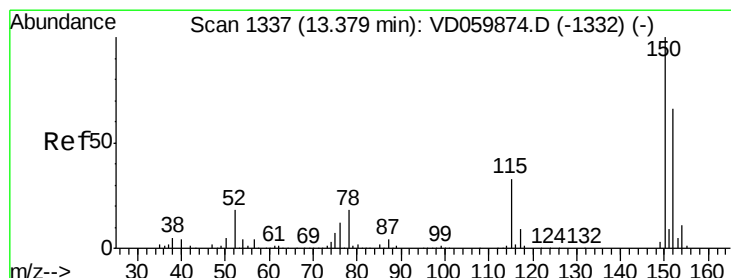
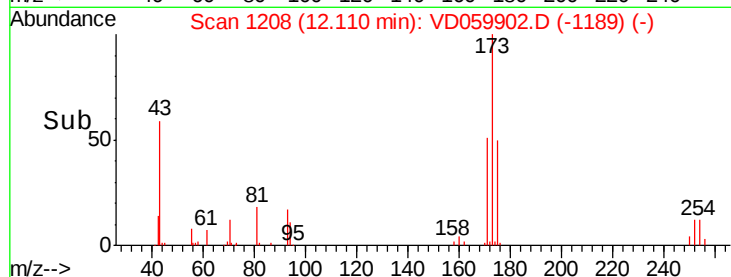
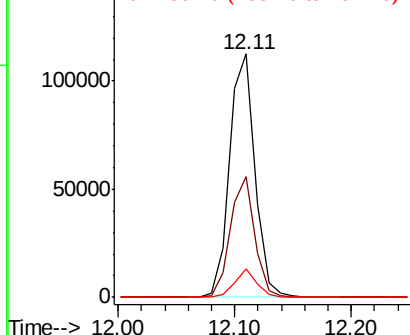


Abundance

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: 13.36 min Scan# 1335

Delta R.T. -0.02 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

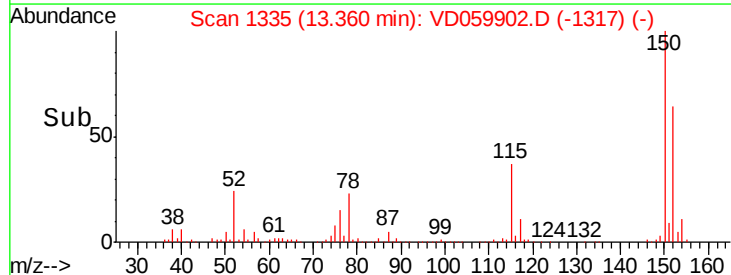
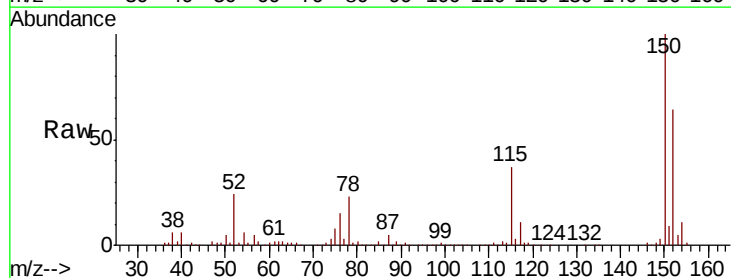
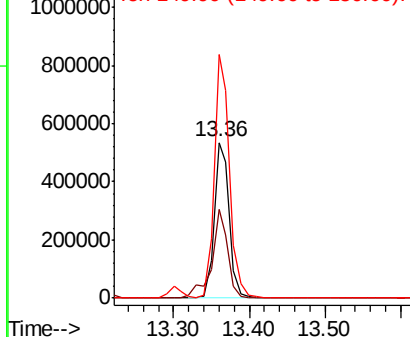
Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.2	25.7	77.0
150	156.7	0.0	310.2

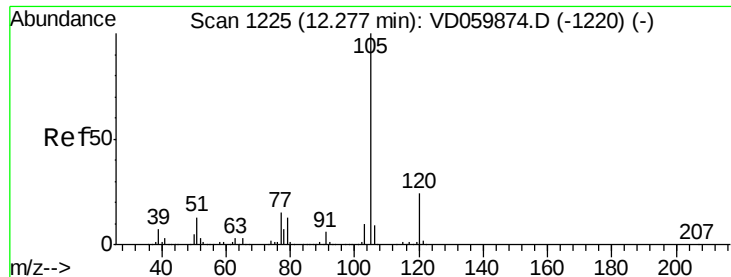
Abundance

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: 21.00 ug/l

RT: 12.27 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

VD0824SBS01

Tot Ion: 105 Resp: 997572

Ion Ratio Lower Upper

105 100

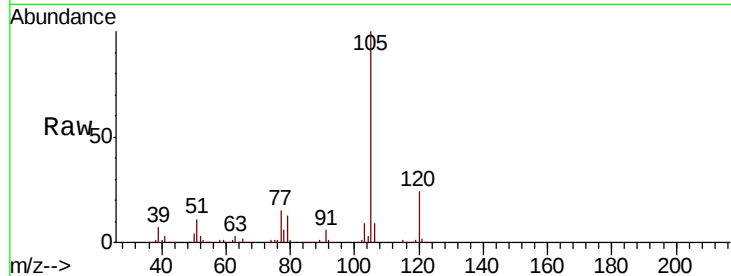
120 24.3 11.8 35.4

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

12.27

800000

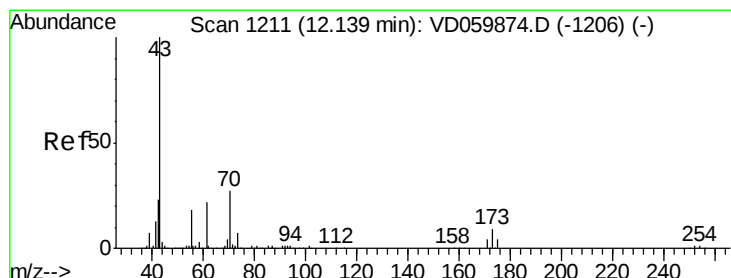
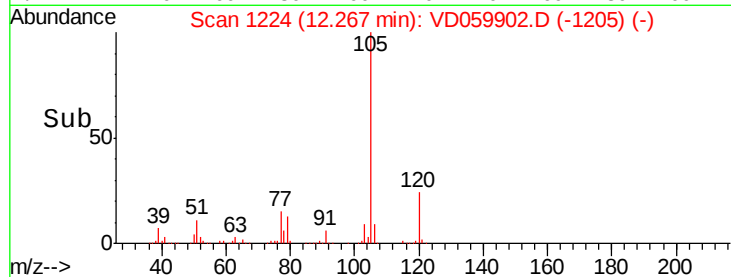
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 19.42 ug/l

RT: 12.12 min Scan# 1209

Delta R.T. -0.02 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Tgt Ion: 43 Resp: 403804

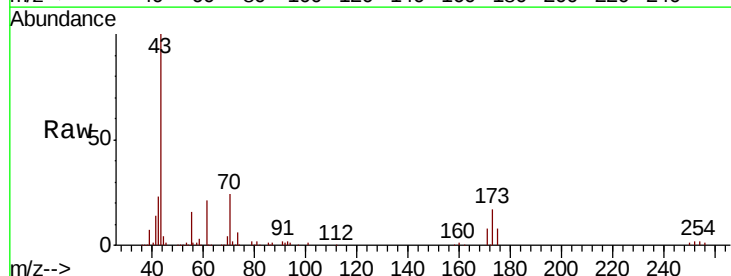
Ion Ratio Lower Upper

43 100

70 24.1 21.4 32.2

55 16.1 14.1 21.1

61 21.1 17.8 26.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

400000

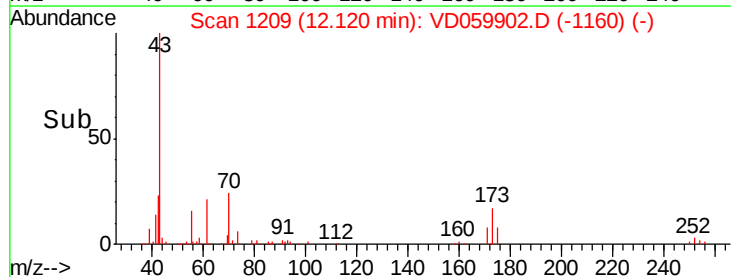
300000

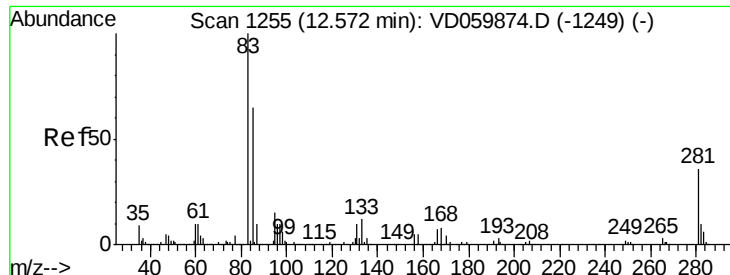
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.37 ug/l

RT: 12.55 min Scan# 1253

Delta R.T. -0.02 min

Lab File: VD059902.D

Acq: 24 Aug 2018 13:01

Instrument :

MSVOA_D

ClientSampleId :

VD0824SBS01

Tot Ion: 83 Resp: 212769

Ion Ratio Lower Upper

83 100

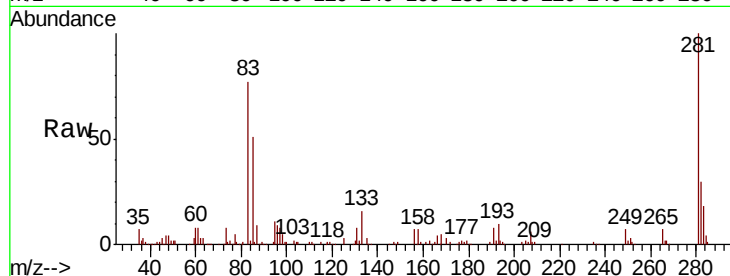
131 9.9 4.8 14.4

85 66.3 32.6 97.8

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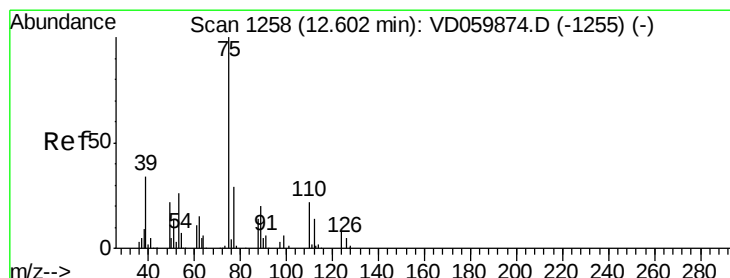
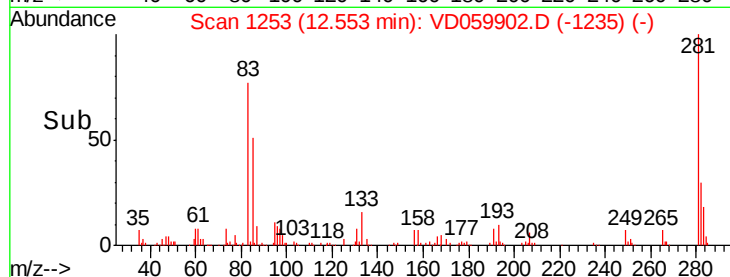
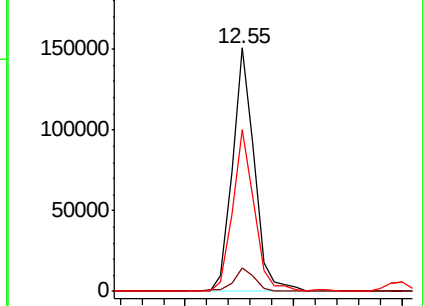
8/27/2018 10:48:35 AM



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 19.30 ug/l

RT: 12.59 min Scan# 1257

Delta R.T. -0.01 min

Lab File: VD059902.D

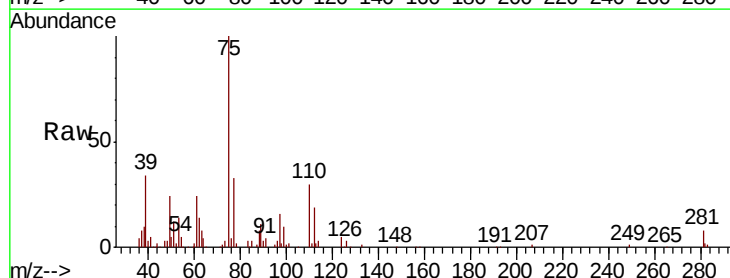
Acq: 24 Aug 2018 13:01

Tgt Ion: 75 Resp: 223198

Ion Ratio Lower Upper

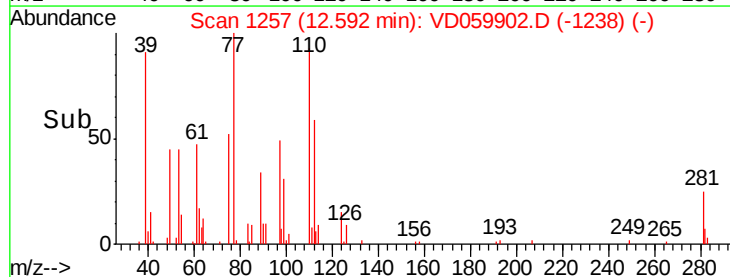
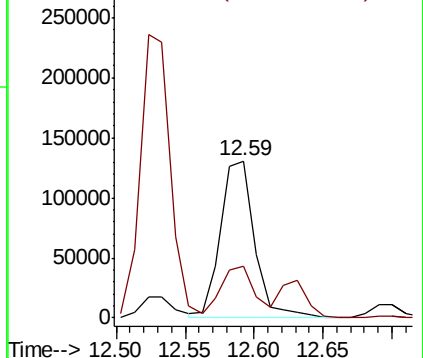
75 100

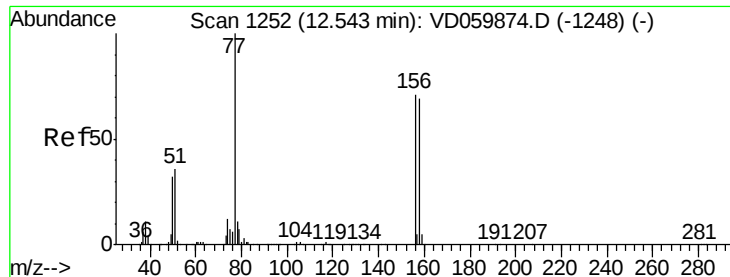
77 33.4 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





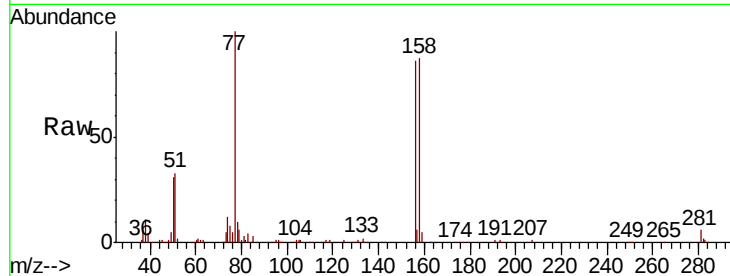
#77
Bromobenzene
Concen: 20.69 ug/l
RT: 12.53 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD0824SBS01

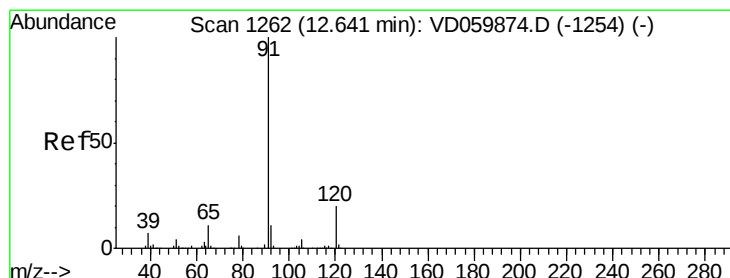
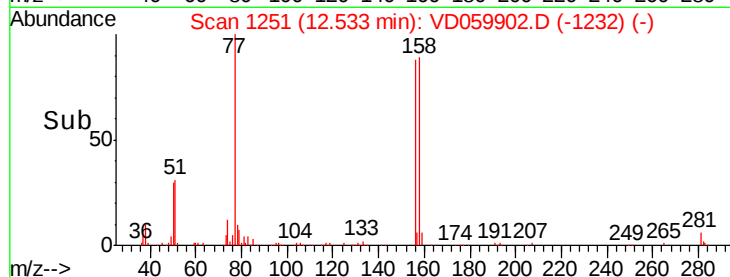
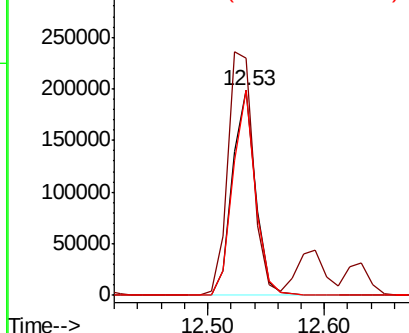
Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	115.7	70.2	210.4	
158	100.2	48.4	145.2	

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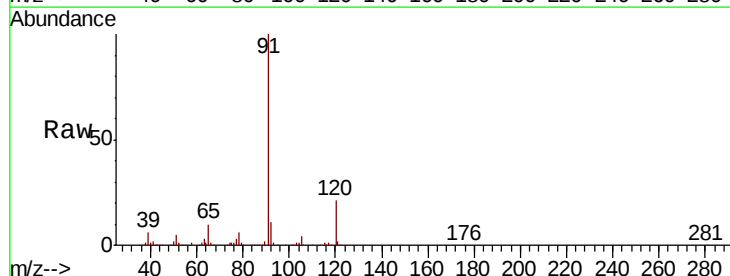


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

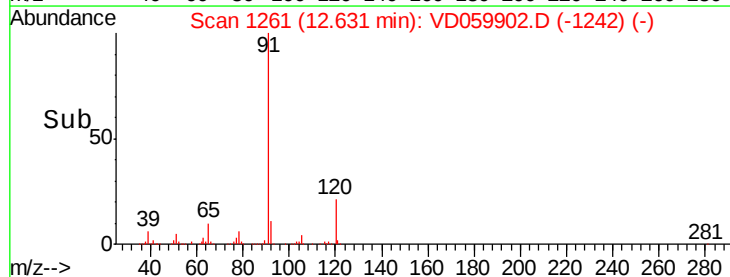
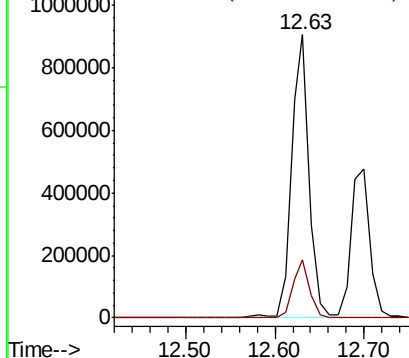


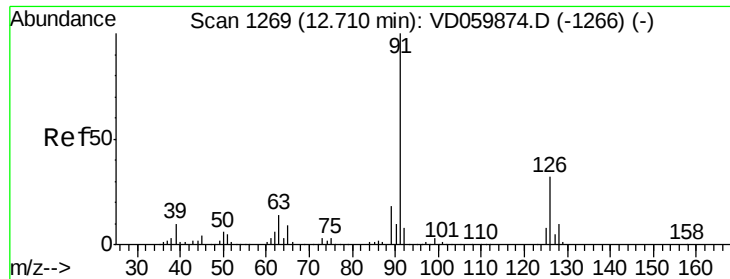
#78
n-propylbenzene
Concen: 20.93 ug/l
RT: 12.63 min Scan# 1261
Delta R.T. -0.01 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	20.7	10.1	30.3	



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.05 (119.75 to 120.75): V





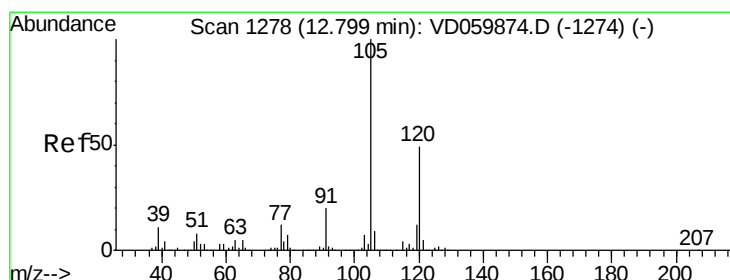
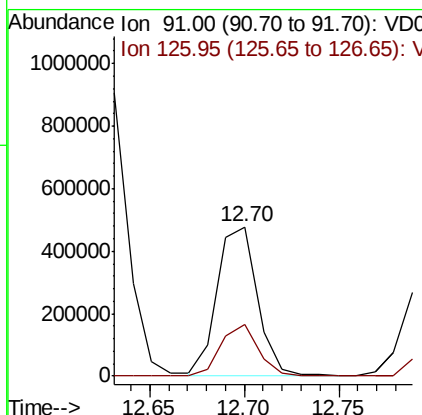
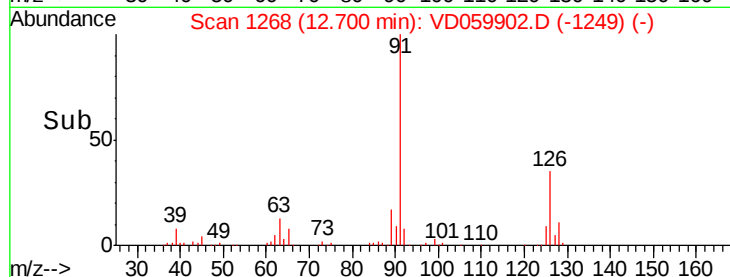
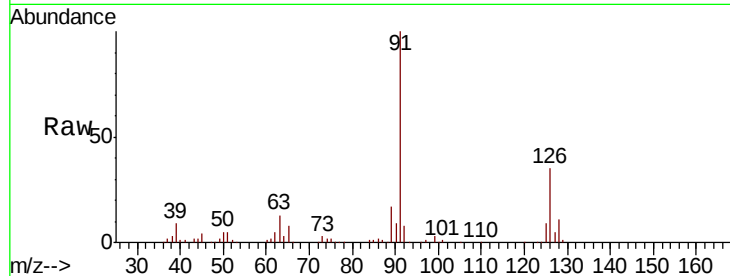
#79
2-Chlorotoluene
Concen: 20.73 ug/l
RT: 12.70 min Scan# 1268
Delta R.T. -0.01 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD0824SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	34.9	16.1	48.2

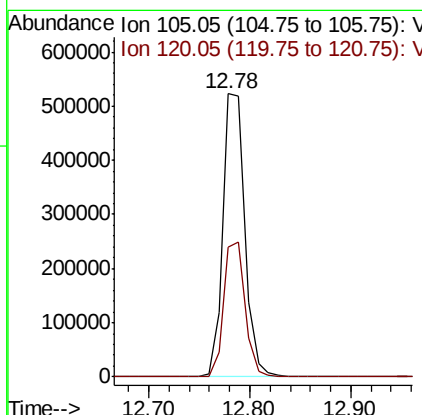
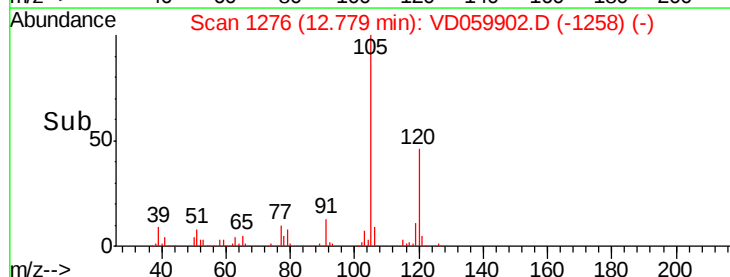
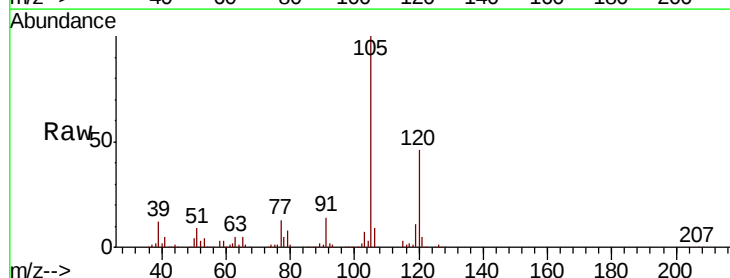
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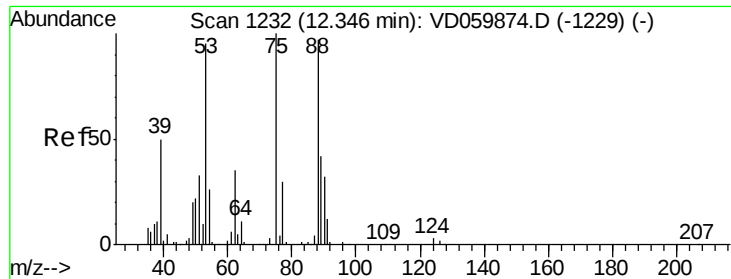
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#80
1,3,5-Trimethylbenzene
Concen: 20.85 ug/l
RT: 12.78 min Scan# 1276
Delta R.T. -0.02 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	24.5	73.5





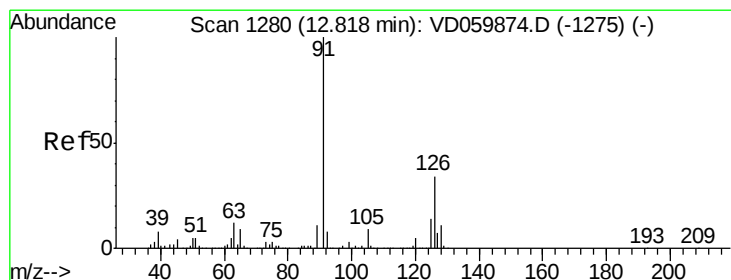
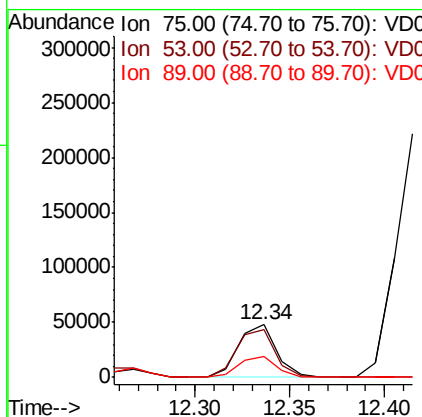
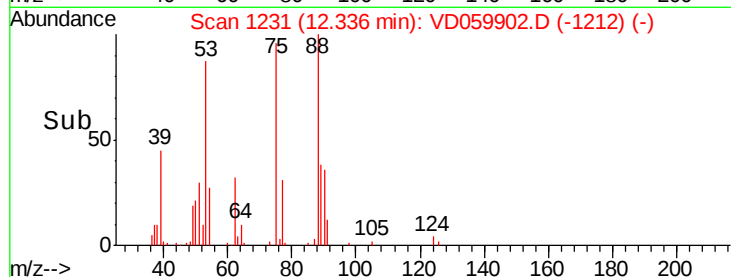
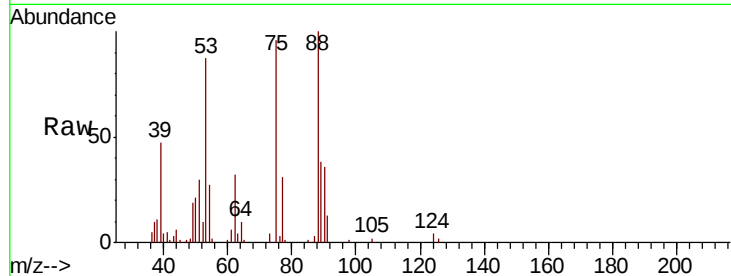
#81
trans-1,4-Dichloro-2-butene
Concen: 18.58 ug/l
RT: 12.34 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD0824SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.0	75.8	113.6
89	39.5	33.6	50.4

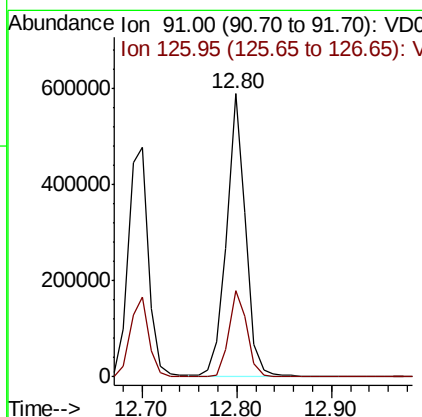
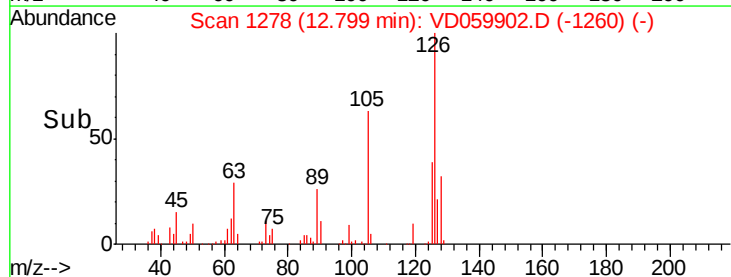
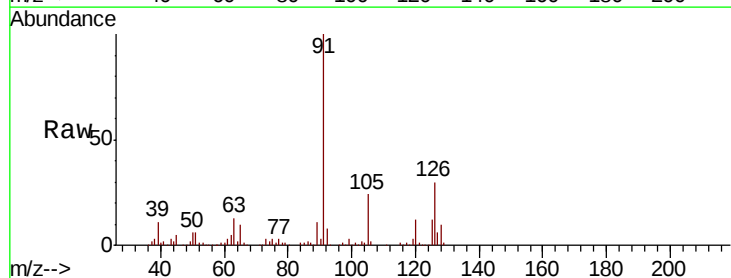
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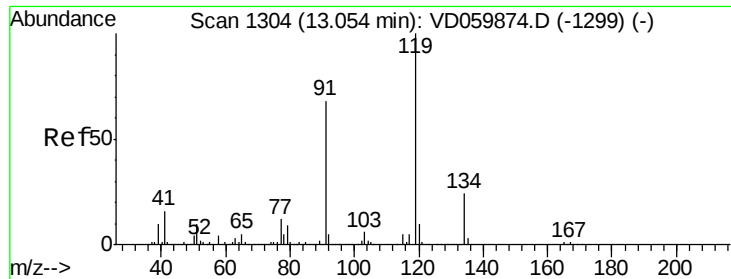
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#82
4-Chlorotoluene
Concen: 20.92 ug/l
RT: 12.80 min Scan# 1278
Delta R.T. -0.02 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.4	17.1	51.2





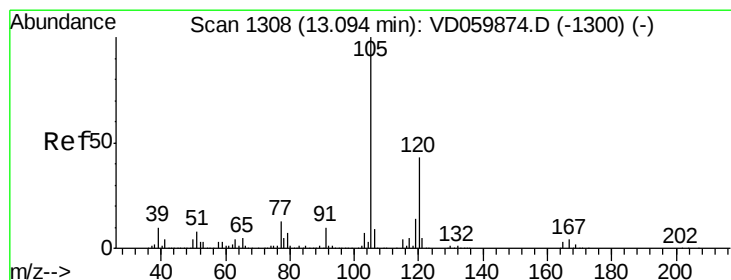
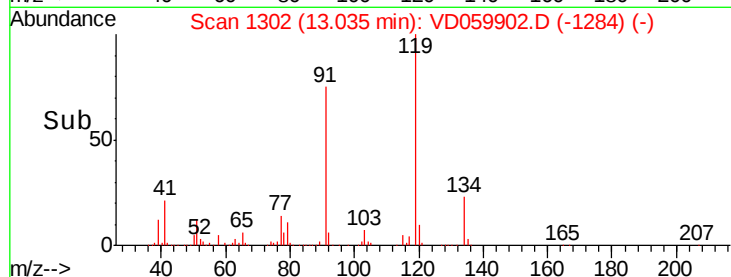
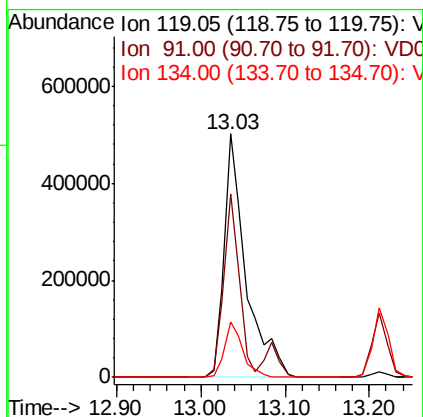
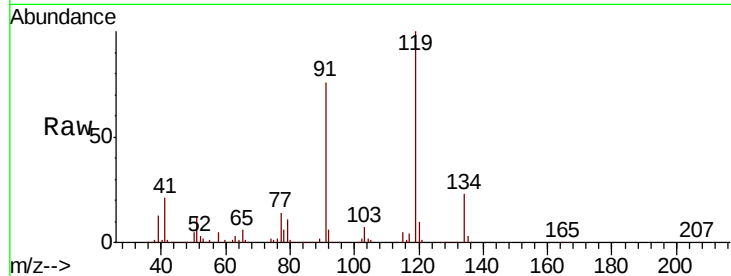
#83
 tert-Butylbenzene
 Concen: 21.13 ug/l
 RT: 13.03 min Scan# 1302
 Delta R.T. -0.02 min
 Lab File: VD059902.D
 Acq: 24 Aug 2018 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0824SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	908863		
91	75.5		34.3	102.9
134	22.7		11.9	35.9

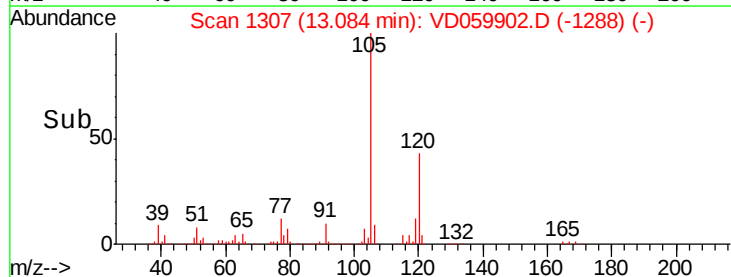
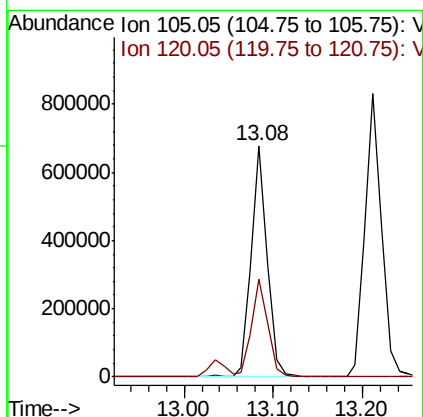
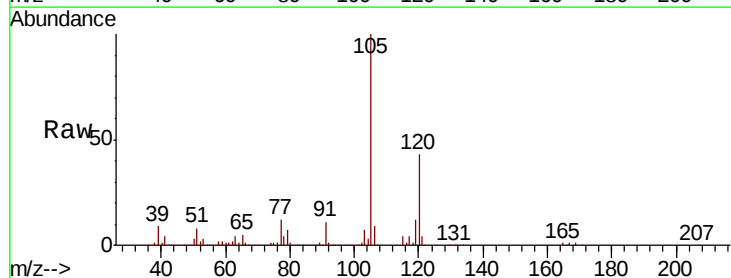
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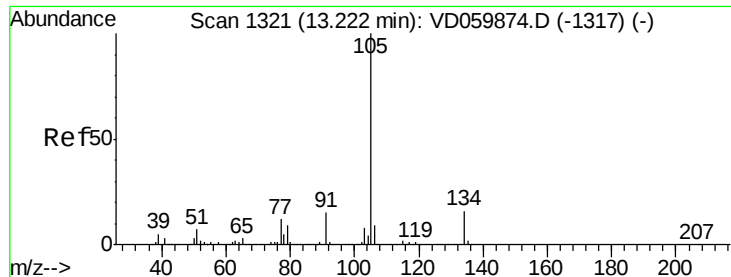
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.25 ug/l
 RT: 13.08 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: VD059902.D
 Acq: 24 Aug 2018 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	836399		
120	42.6		21.8	65.3





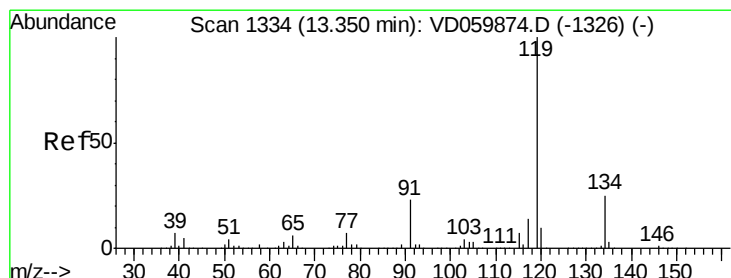
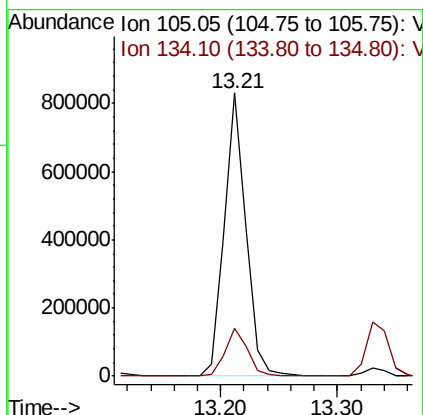
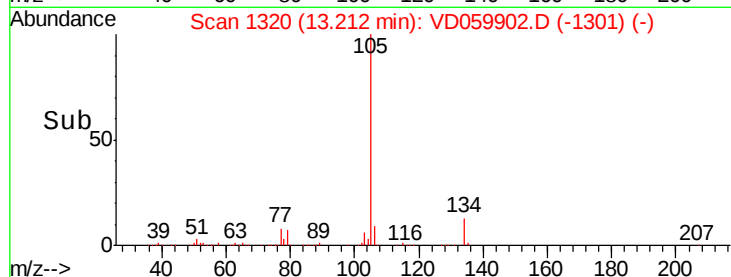
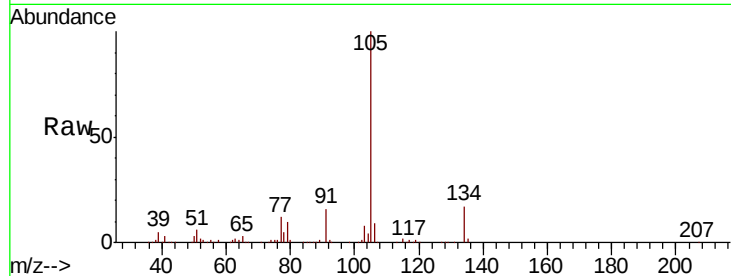
#85
 sec-Butylbenzene
 Concen: 21.04 ug/l
 RT: 13.21 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VD059902.D
 Acq: 24 Aug 2018 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0824SBS01

Tot Ion:105 Resp: 1064454
 Ion Ratio Lower Upper
 105 100
 134 17.1 8.2 24.4

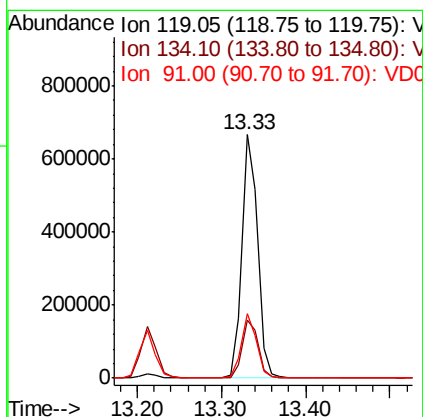
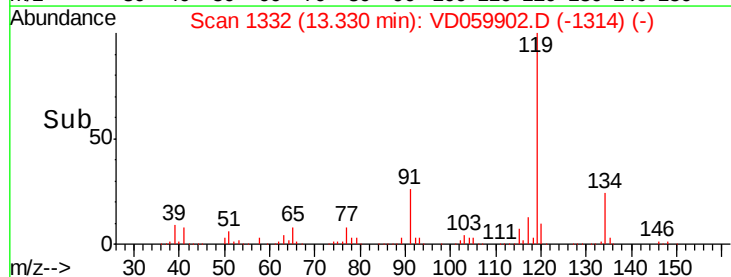
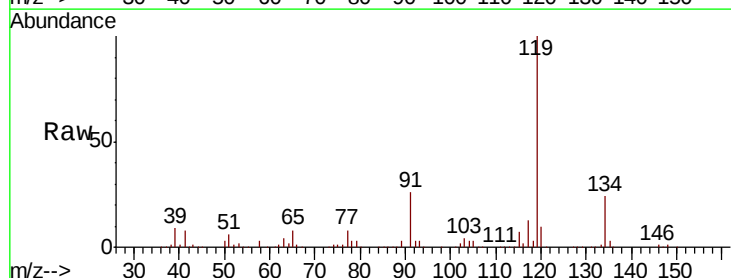
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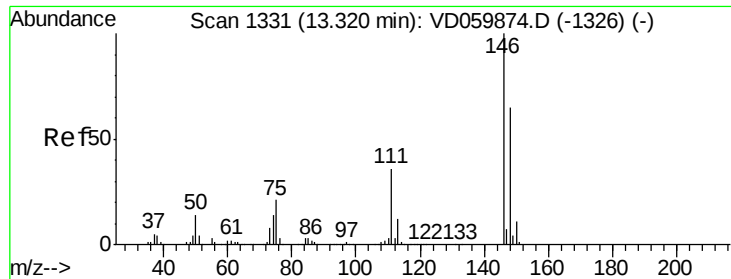
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#86
 p-Isopropyltoluene
 Concen: 20.89 ug/l
 RT: 13.33 min Scan# 1332
 Delta R.T. -0.02 min
 Lab File: VD059902.D
 Acq: 24 Aug 2018 13:01

Tgt Ion:119 Resp: 859415
 Ion Ratio Lower Upper
 119 100
 134 24.0 12.7 38.1
 91 26.4 11.7 35.0





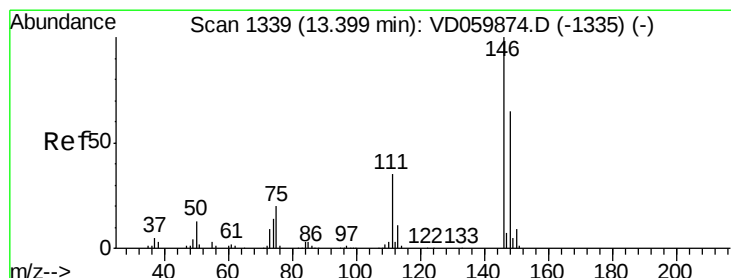
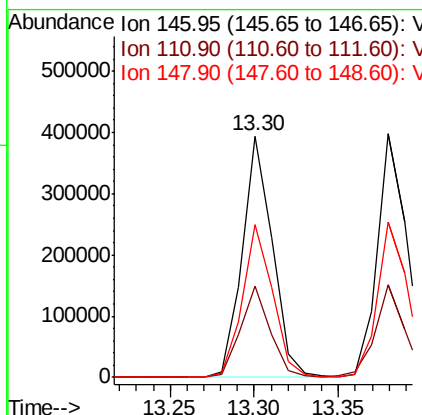
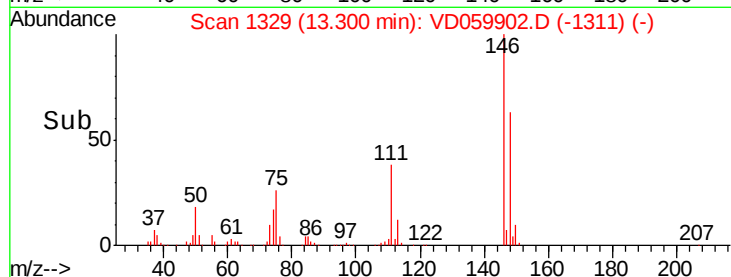
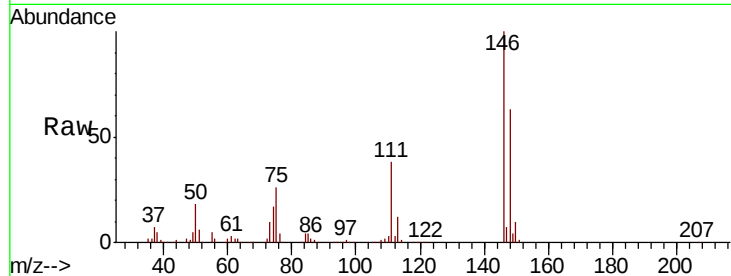
#87
 1,3-Dichlorobenzene
 Concen: 20.77 ug/l
 RT: 13.30 min Scan# 1329
 Delta R.T. -0.02 min
 Lab File: VD059902.D
 Acq: 24 Aug 2018 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0824SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	17.9	53.7
148	63.3	32.4	97.0

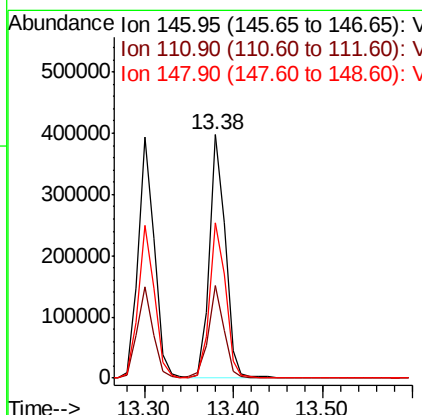
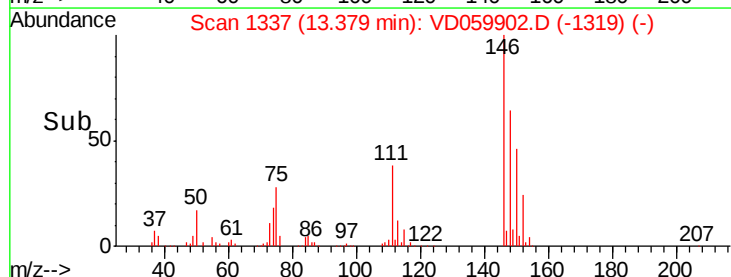
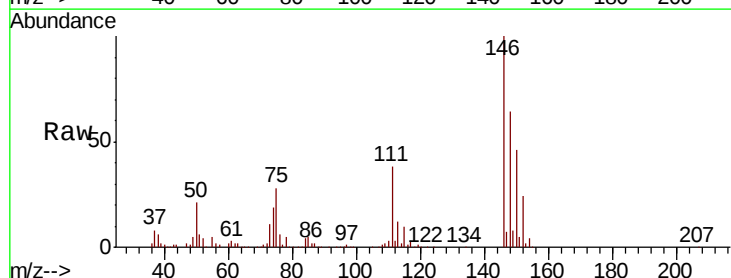
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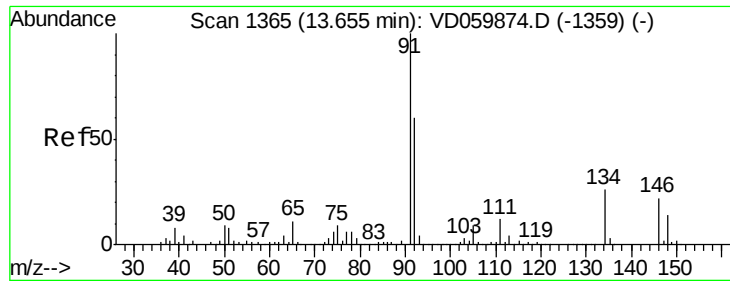
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#88
 1,4-Dichlorobenzene
 Concen: 20.91 ug/l
 RT: 13.38 min Scan# 1337
 Delta R.T. -0.02 min
 Lab File: VD059902.D
 Acq: 24 Aug 2018 13:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	17.5	52.6
148	63.9	32.5	97.5





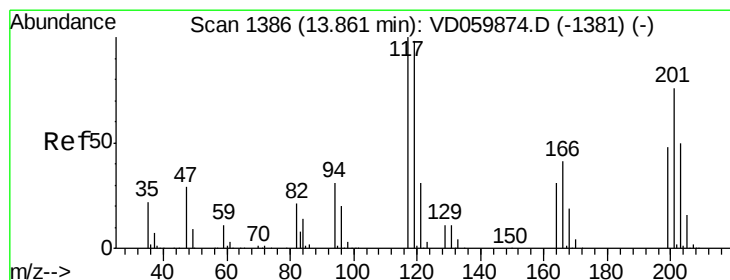
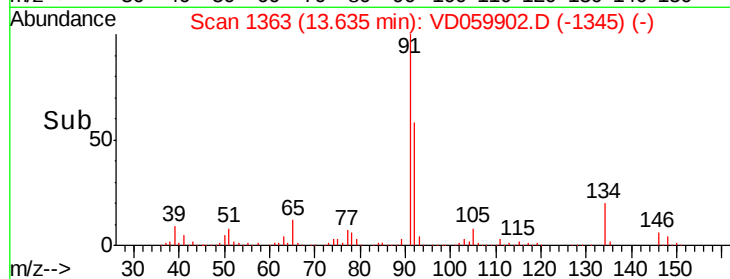
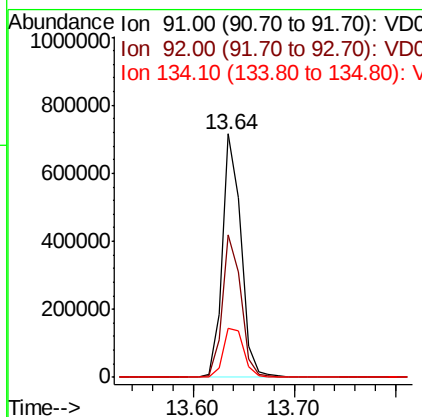
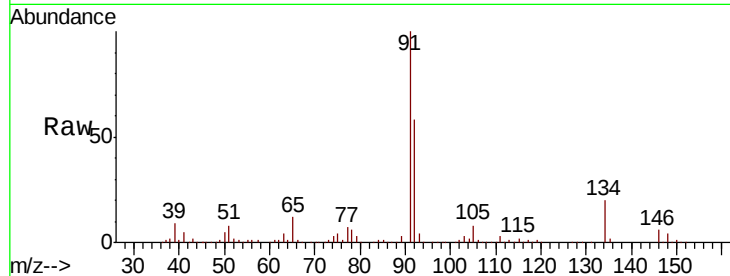
#89
n-Butylbenzene
Concen: 20.89 ug/l
RT: 13.64 min Scan# 1363
Delta R.T. -0.02 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD0824SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.4	30.0	90.1
134	20.2	12.8	38.4

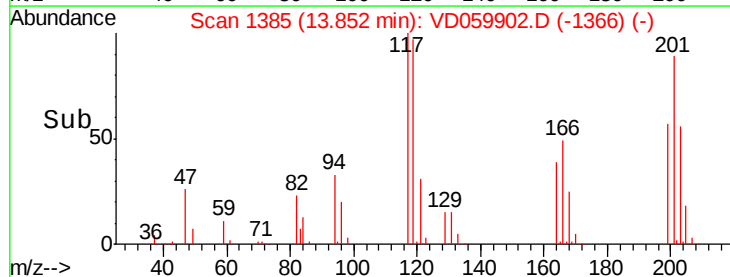
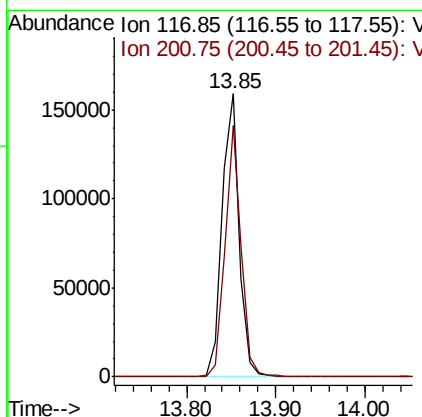
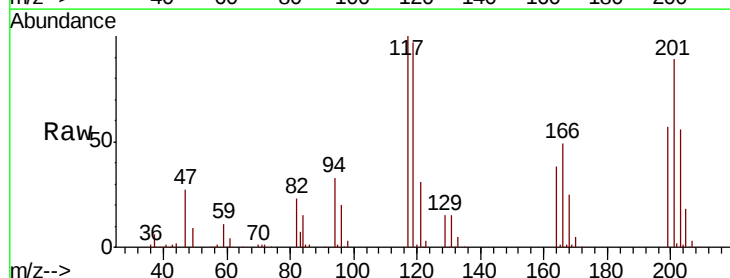
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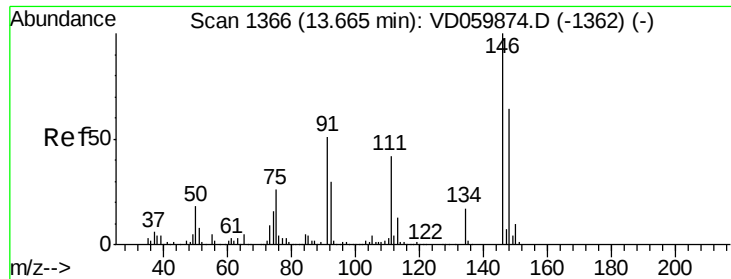
apatel
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#90
Hexachloroethane
Concen: 19.54 ug/l
RT: 13.85 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.0	38.1	114.5





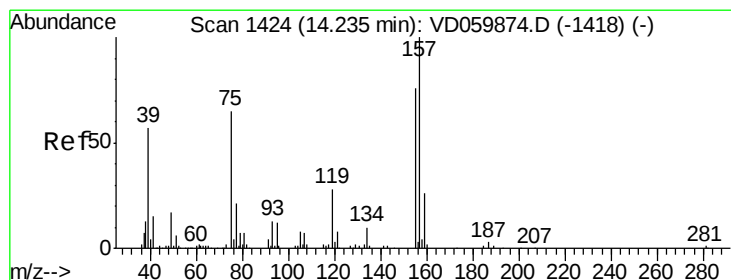
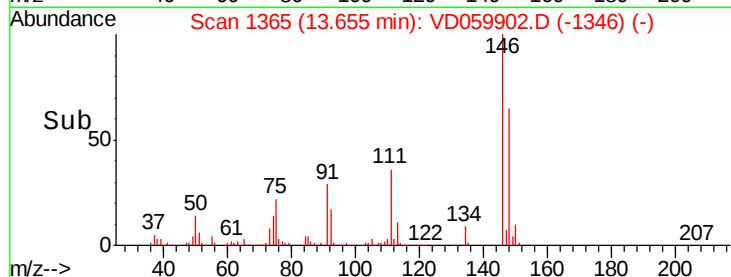
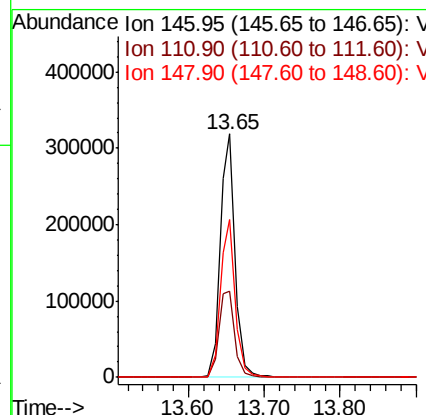
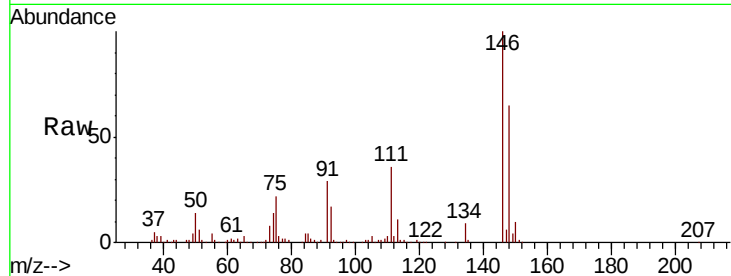
#91
 1,2-Dichlorobenzene
 Concen: 21.98 ug/l
 RT: 13.65 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VD059902.D
 Acq: 24 Aug 2018 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0824SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.6	21.1	63.1
148	65.0	32.2	96.6

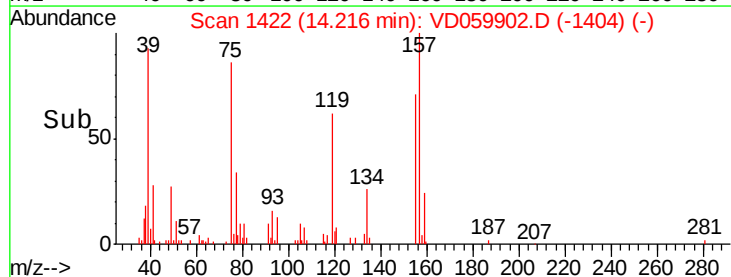
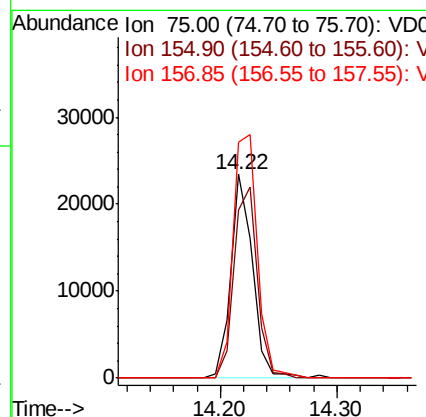
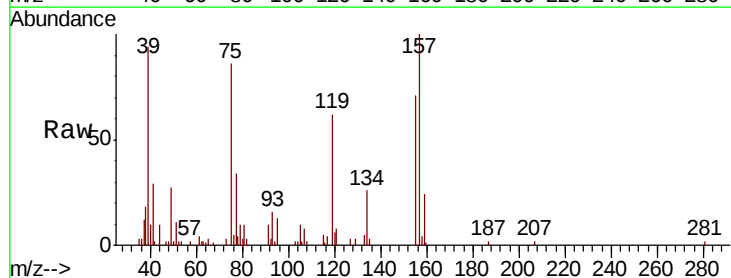
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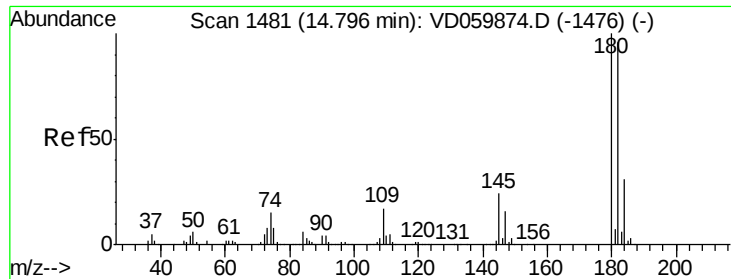
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.02 ug/l
 RT: 14.22 min Scan# 1422
 Delta R.T. -0.02 min
 Lab File: VD059902.D
 Acq: 24 Aug 2018 13:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.4	58.2	174.6
157	115.9	76.8	230.4





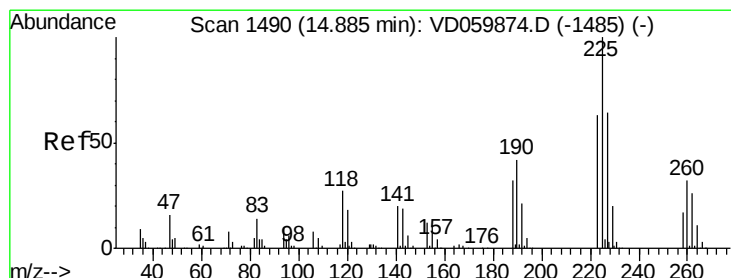
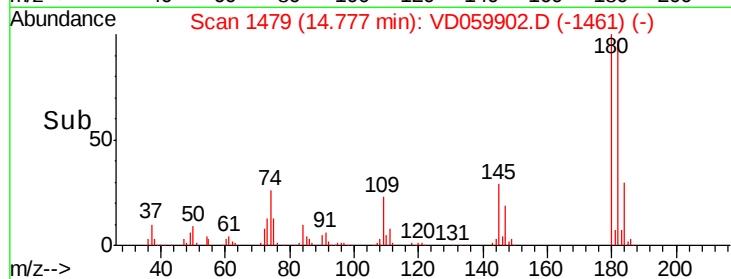
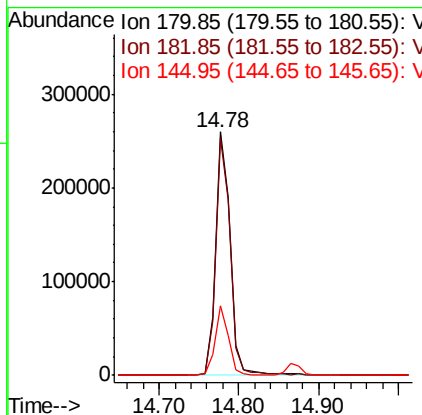
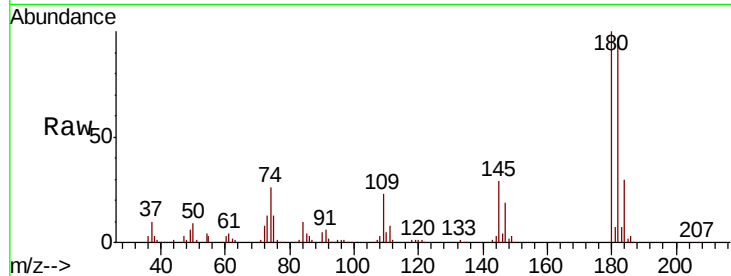
#93
 1,2,4-Trichlorobenzene
 Concen: 19.74 ug/l
 RT: 14.78 min Scan# 1479
 Delta R.T. -0.02 min
 Lab File: VD059902.D
 Acq: 24 Aug 2018 13:01

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0824SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	337804		
182	97.4	47.9	143.7	
145	28.6	12.2	36.4	

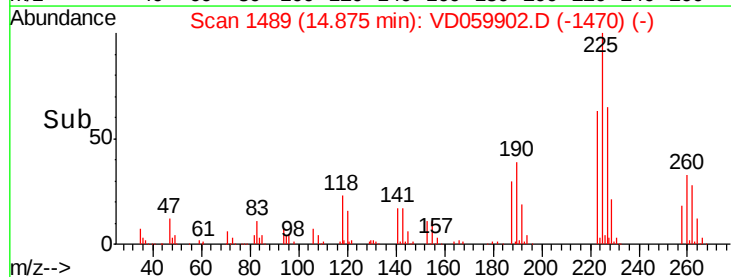
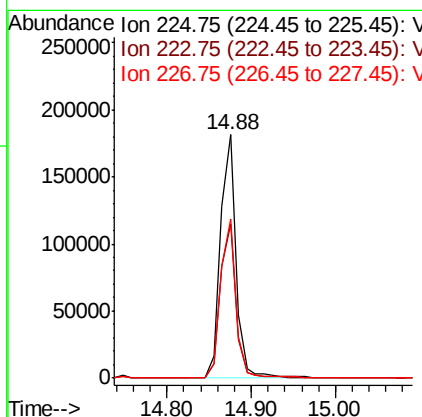
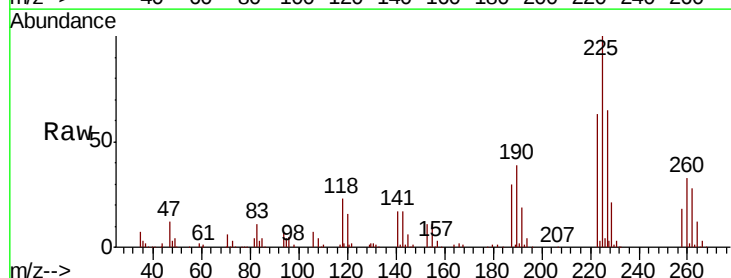
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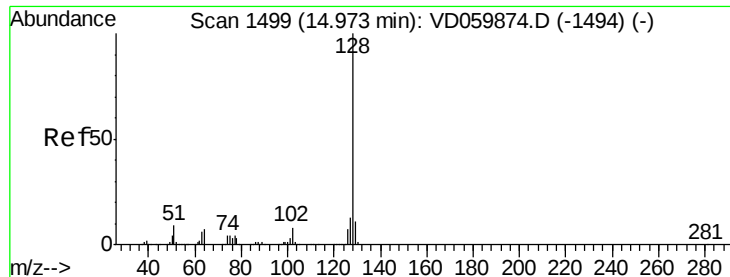
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#94
 Hexachlorobutadiene
 Concen: 20.85 ug/l
 RT: 14.88 min Scan# 1489
 Delta R.T. -0.01 min
 Lab File: VD059902.D
 Acq: 24 Aug 2018 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	233935		
223	63.2	31.6	94.8	
227	65.4	32.0	96.0	





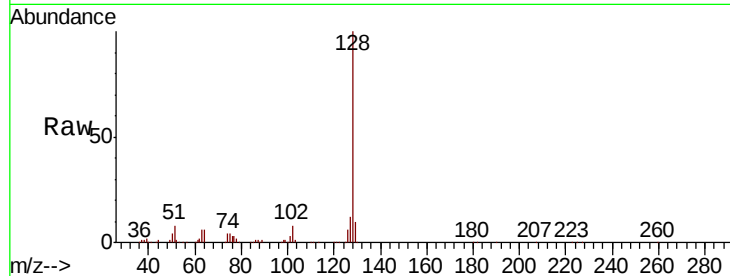
#95
Naphthalene
Concen: 19.59 ug/l
RT: 14.96 min Scan# 1498
Delta R.T. -0.01 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Instrument :
MSVOA_D
ClientSampleId :
VD0824SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	512483		
127	12.5	10.0	15.0	
129	10.4	8.6	13.0	

Manual Integrations
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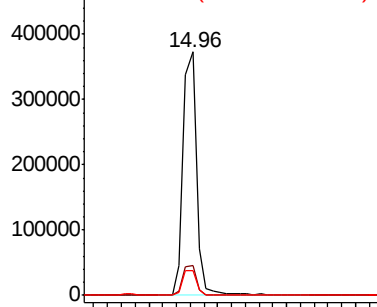


Abundance

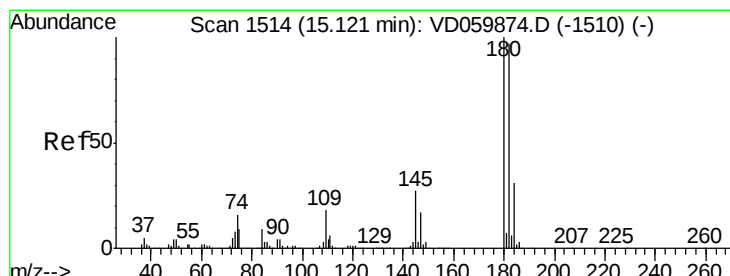
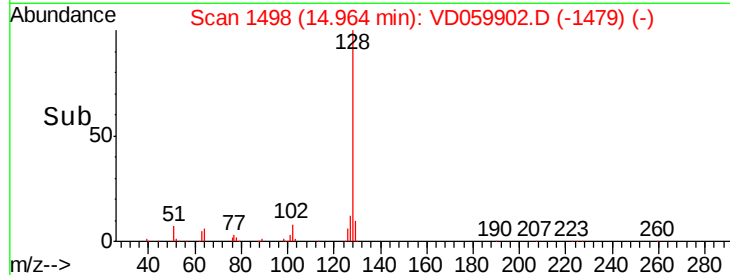
Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

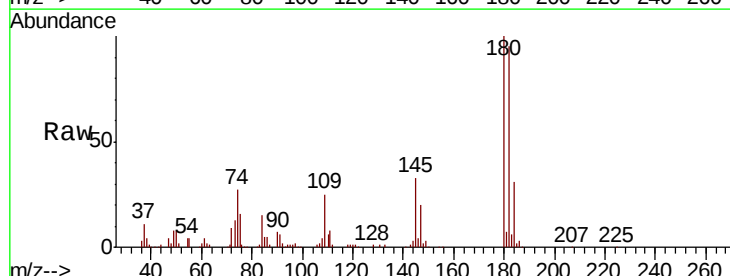


Time-->



#96
1,2,3-Trichlorobenzene
Concen: 19.74 ug/l
RT: 15.10 min Scan# 1512
Delta R.T. -0.02 min
Lab File: VD059902.D
Acq: 24 Aug 2018 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	288928		
182	95.4	48.6	145.8	
145	32.7	13.6	40.8	

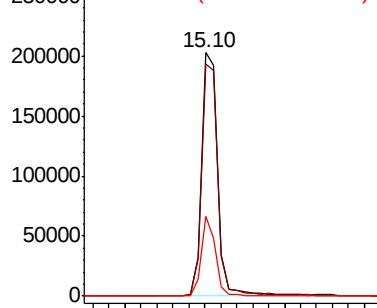


Abundance

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



Time-->

