

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
 Data File : VD058204.D
 Acq On : 20 Jun 2018 11:58
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 6/21/2018 11:50:47 AM

Quant Time: Jun 21 11:10:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	1051647	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	1379636	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	1039083	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	543404	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.02	65	581205	54.72	ug/l	0.01
Spiked Amount	50.000		Recovery	=	109.44%	
35) Dibromofluoromethane	5.56	113	588953	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	
50) Toluene-d8	8.72	98	1421855	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	
62) 4-Bromofluorobenzene	11.94	95	566123	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.36	85	540359	55.41	ug/l	98
3) Chloromethane	1.49	50	243104	53.26	ug/l	97
4) Vinyl Chloride	1.56	62	291963	53.00	ug/l	92
5) Bromomethane	1.81	94	103977	57.84	ug/l	97
6) Chloroethane	1.89	64	114027	57.61	ug/l	93
7) Trichlorofluoromethane	2.09	101	399091	52.83	ug/l	98
8) Diethyl Ether	2.36	74	85636	53.60	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.57	101	250642	52.19	ug/l	99
10) Methyl Iodide	2.70	142	302782	55.43	ug/l	96
11) Tert butyl alcohol	3.28	59	78038m	222.75	ug/l	
12) 1,1-Dichloroethene	2.56	96	190802	52.81	ug/l	99
13) Acrolein	2.48	56	79991	399.96	ug/l	98
14) Allyl chloride	2.93	41	459906	54.69	ug/l	98
15) Acrylonitrile	3.37	53	256747	276.38	ug/l	98
16) Acetone	2.63	43	422030	290.51	ug/l	94
17) Carbon Disulfide	2.76	76	656804	53.43	ug/l	100
18) Methyl Acetate	2.95	43	146378	47.25	ug/l	94
19) Methyl tert-butyl Ether	3.42	73	741348	77.36	ug/l	97
20) Methylene Chloride	3.08	84	206330	54.87	ug/l	99
21) trans-1,2-Dichloroethene	3.39	96	255824	64.79	ug/l	82
22) Diisopropyl ether	4.08	45	1665853	49.88	ug/l	94
23) Vinyl Acetate	4.03	43	4615253	257.78	ug/l	99
24) 1,1-Dichloroethane	3.98	63	939778	52.23	ug/l	98
25) 2-Butanone	4.85	43	810675	256.04	ug/l	99
26) 2,2-Dichloropropane	4.81	77	848937	56.35	ug/l	100
27) cis-1,2-Dichloroethene	4.81	96	516333	52.33	ug/l	97
28) Bromochloromethane	5.16	49	396126	49.11	ug/l	99
29) Tetrahydrofuran	5.19	42	386532	229.36	ug/l	98
30) Chloroform	5.33	83	1002604	52.78	ug/l	98
31) Cyclohexane	5.60	56	699329	53.94	ug/l	99
32) 1,1,1-Trichloroethane	5.52	97	856612	54.58	ug/l	98
36) 1,1-Dichloropropene	5.76	75	670101	49.10	ug/l	98
37) Ethyl Acetate	4.94	43	374066	48.10	ug/l	96
38) Carbon Tetrachloride	5.74	117	740112	54.58	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	666759	50.16	ug/l	99
40) Benzene	6.02	78	1554048	47.80	ug/l	99
41) Methacrylonitrile	5.14	41	180854	48.16	ug/l	99
42) 1,2-Dichloroethane	6.14	62	673050	51.34	ug/l	99
43) Isopropyl Acetate	7.63	43	496622	47.90	ug/l #	96
44) Trichloroethene	6.99	130	498613	51.07	ug/l	99
45) 1,2-Dichloropropane	7.36	63	439164	50.16	ug/l	99
46) Dibromomethane	7.47	93	297041	49.70	ug/l	98
47) Bromodichloromethane	7.74	83	718780	52.73	ug/l	100
48) Methyl methacrylate	7.51	41	304959	48.40	ug/l	97
49) 1,4-Dioxane	7.49	88	58379	1026.40	ug/l	97
51) 4-Methyl-2-Pentanone	8.60	43	1574060	232.77	ug/l	100
52) Toluene	8.81	92	893908	48.29	ug/l	96
53) t-1,3-Dichloropropene	9.19	75	620921	52.40	ug/l	97
54) cis-1,3-Dichloropropene	8.36	75	735556	52.94	ug/l	96
55) 1,1,2-Trichloroethane	9.46	97	320760	48.97	ug/l	96
56) Ethyl methacrylate	9.32	69	389898	49.78	ug/l	98
57) 1,3-Dichloropropane	9.67	76	525415	47.62	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.20	63	968362	249.72	ug/l	97
59) 2-Hexanone	9.79	43	1249509	255.72	ug/l	100
60) Dibromochloromethane	9.97	129	477636	53.74	ug/l	97
61) 1,2-Dibromoethane	10.10	107	366116	51.07	ug/l	97
64) Tetrachloroethene	9.52	164	465786	53.28	ug/l	95
65) Chlorobenzene	10.73	112	1002309	51.57	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.86	131	385201	51.36	ug/l	95
67) Ethyl Benzene	10.87	91	1650146	48.09	ug/l	99
68) m/p-Xylenes	11.01	106	1146301	100.17	ug/l	98
69) o-Xylene	11.41	106	591791	54.15	ug/l	98
70) Styrene	11.44	104	997222	53.47	ug/l	100
71) Bromoform	11.60	173	349122	58.35	ug/l	95
73) Isopropylbenzene	11.78	105	1681741	51.74	ug/l	99
74) N-amyl acetate	11.65	43	631405	50.24	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.08	83	368201	48.68	ug/l	97
76) 1,2,3-Trichloropropane	12.12	75	386304	48.69	ug/l	100
77) Bromobenzene	12.05	156	499089	51.28	ug/l	95
78) n-propylbenzene	12.15	91	2084730	49.67	ug/l	99
79) 2-Chlorotoluene	12.22	91	1187612	49.44	ug/l	93
80) 1,3,5-Trimethylbenzene	12.32	105	1290864	50.92	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.85	75	109089	56.38	ug/l	87
82) 4-Chlorotoluene	12.33	91	1333707	57.83	ug/l	98
83) tert-Butylbenzene	12.58	119	1547746	53.10	ug/l	96
84) 1,2,4-Trimethylbenzene	12.63	105	1456713	52.86	ug/l	100
85) sec-Butylbenzene	12.76	105	1842372	53.93	ug/l	100
86) p-Isopropyltoluene	12.89	119	1477132	53.35	ug/l	94
87) 1,3-Dichlorobenzene	12.84	146	905388	53.52	ug/l	98
88) 1,4-Dichlorobenzene	12.93	146	841808	50.96	ug/l	98
89) n-Butylbenzene	13.20	91	1483752	50.99	ug/l	99
90) Hexachloroethane	13.40	117	405402	56.42	ug/l	89
91) 1,2-Dichlorobenzene	13.20	146	704281	48.92	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.78	75	63322	52.60	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	705044	51.21	ug/l	99
94) Hexachlorobutadiene	14.44	225	556759	51.70	ug/l	98
95) Naphthalene	14.52	128	922943	50.89	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	608633	50.49	ug/l	95

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

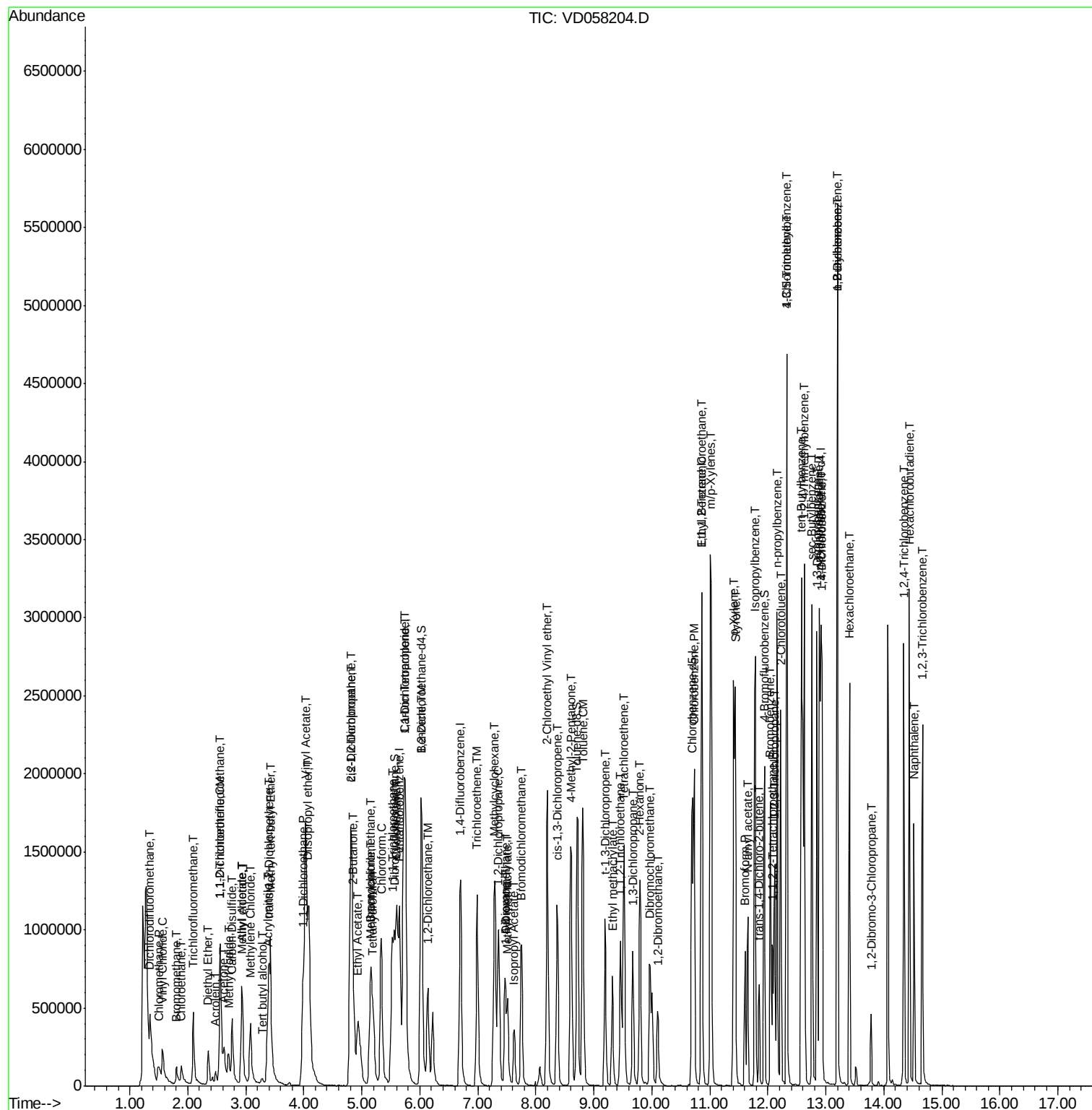
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062018\
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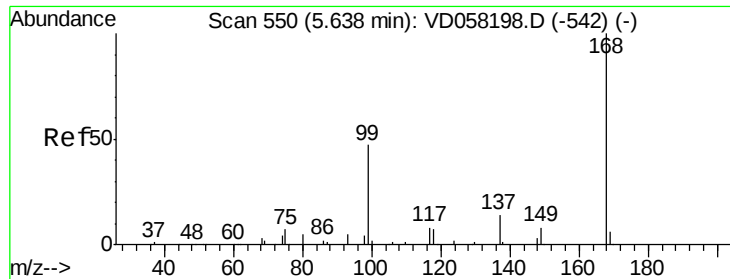
Instrument :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1051647

Ion Ratio Lower Upper

168 100

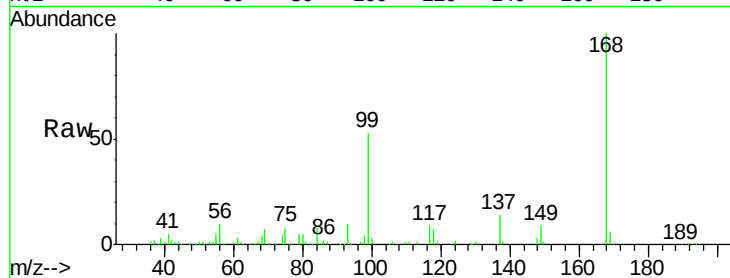
99 52.7 41.1 61.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.65

400000

300000

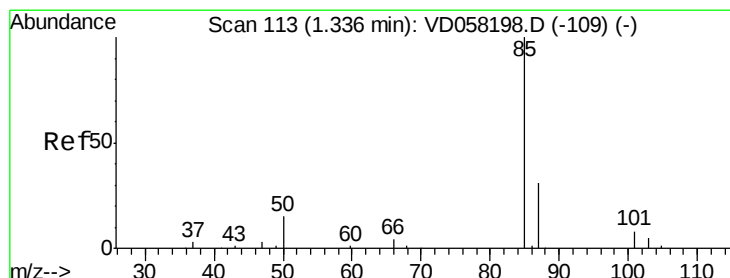
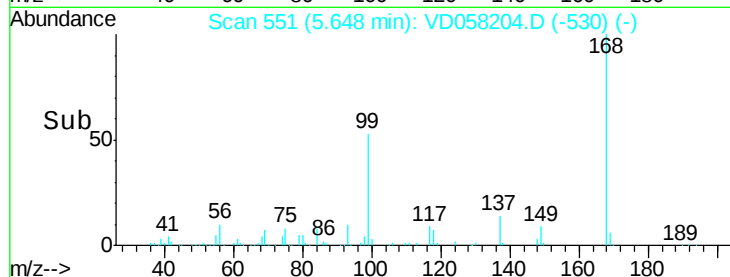
200000

100000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 55.41 ug/l

RT: 1.36 min Scan# 115

Delta R.T. 0.02 min

Lab File: VD058204.D

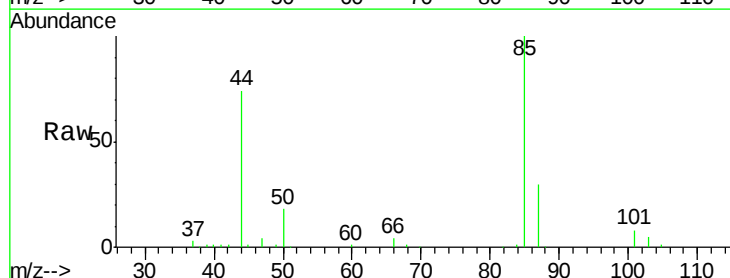
Acq: 20 Jun 2018 11:58

Tgt Ion: 85 Resp: 540359

Ion Ratio Lower Upper

85 100

87 30.2 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.36

200000

150000

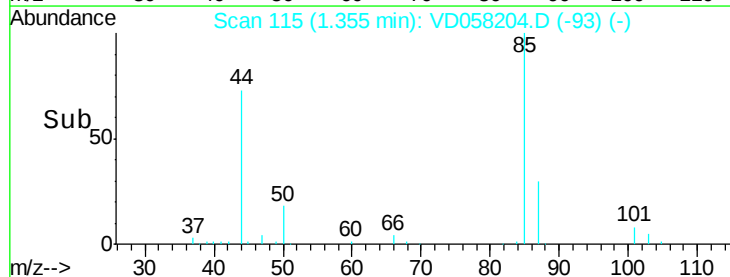
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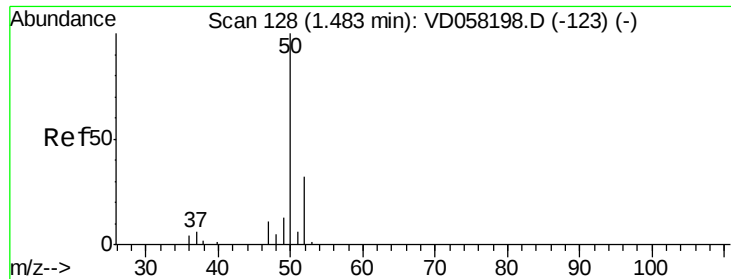
50000

0

1.30 1.40 1.50

Time-->





#3

Chloromethane

Concen: 53.26 ug/l

RT: 1.49 min Scan# 129

Delta R.T. 0.01 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 243104

Ion Ratio Lower Upper

50 100

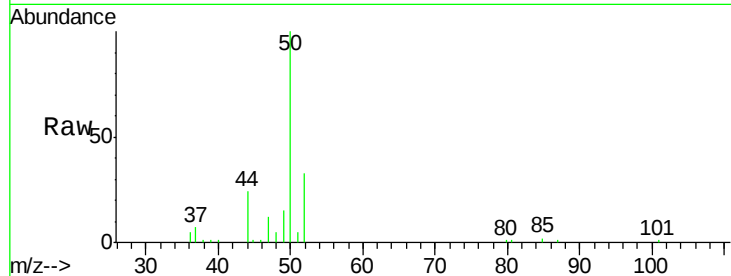
52 32.7 25.0 37.4

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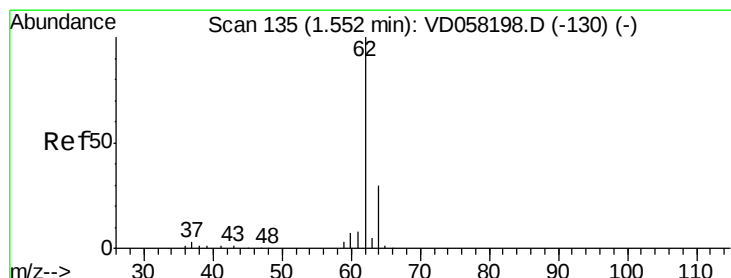
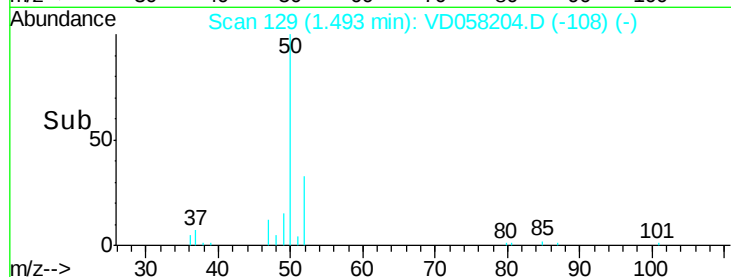
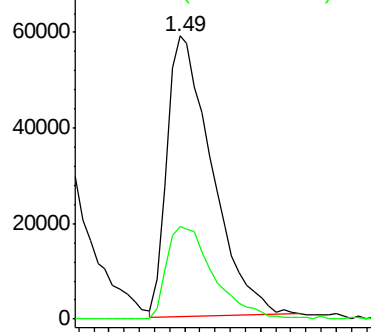
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 53.00 ug/l

RT: 1.56 min Scan# 136

Delta R.T. 0.01 min

Lab File: VD058204.D

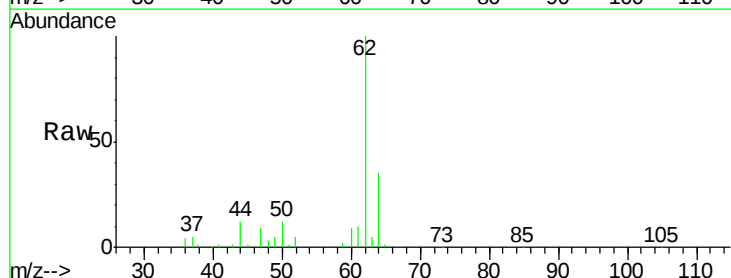
Acq: 20 Jun 2018 11:58

Tgt Ion: 62 Resp: 291963

Ion Ratio Lower Upper

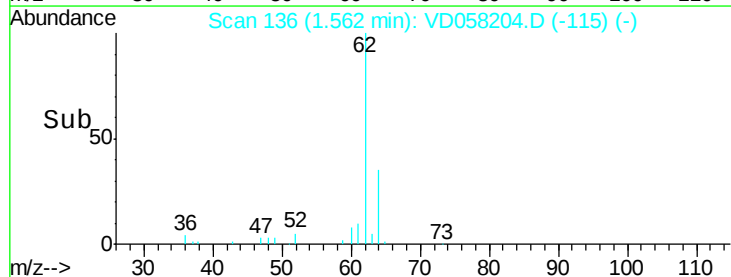
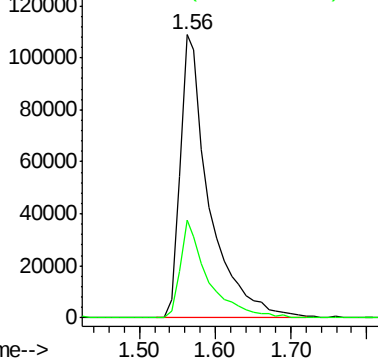
62 100

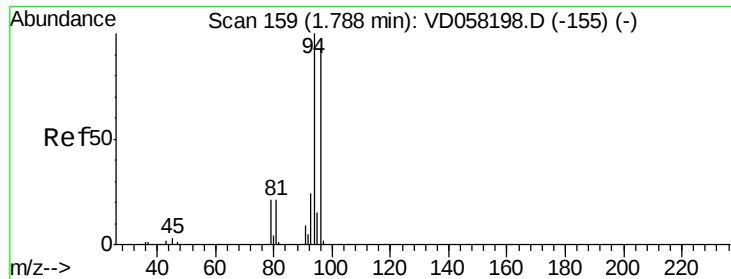
64 34.8 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 57.84 ug/l

RT: 1.81 min Scan# 161

Delta R.T. 0.02 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

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ClientSampleId :

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Tot Ion: 94 Resp: 103977

Ion Ratio Lower Upper

94 100

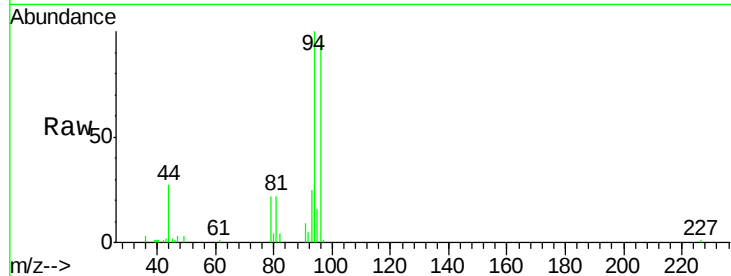
96 95.3 74.2 111.2

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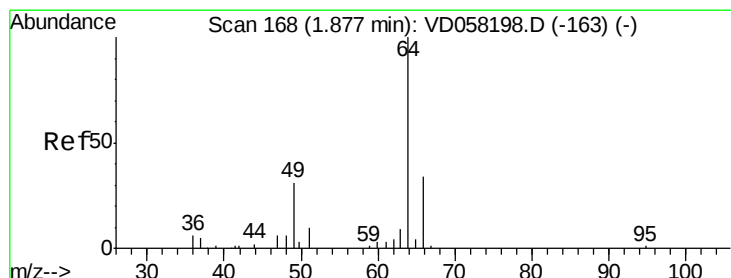
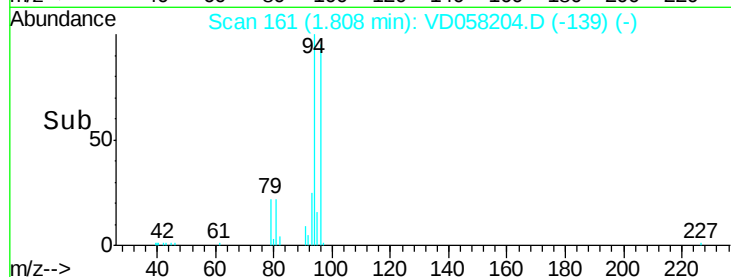
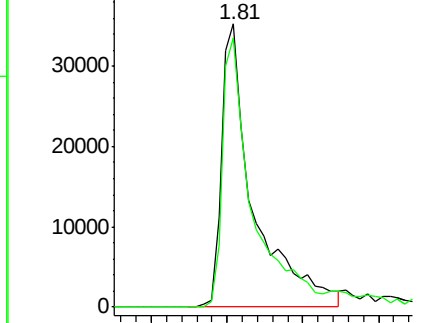
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 57.61 ug/l

RT: 1.89 min Scan# 169

Delta R.T. 0.01 min

Lab File: VD058204.D

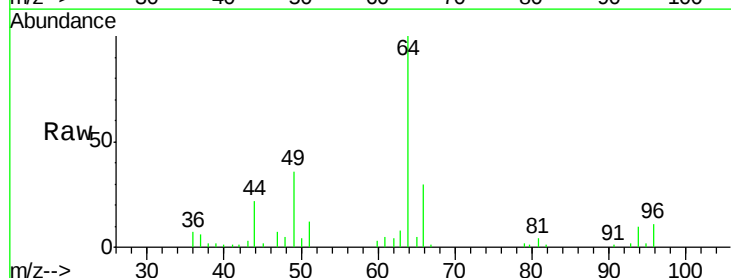
Acq: 20 Jun 2018 11:58

Tgt Ion: 64 Resp: 114027

Ion Ratio Lower Upper

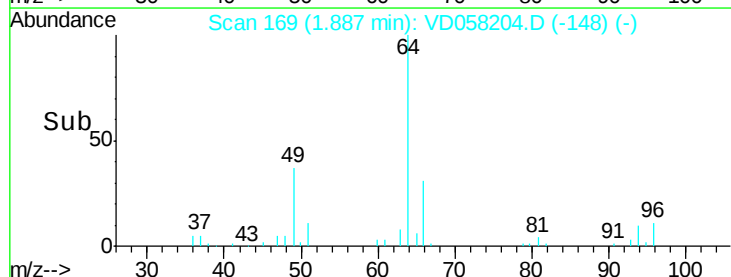
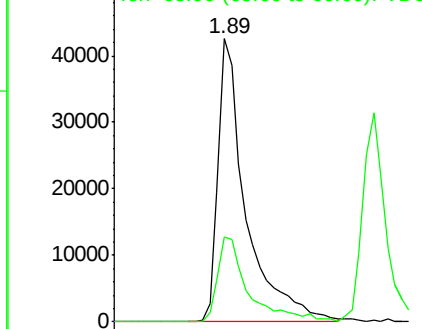
64 100

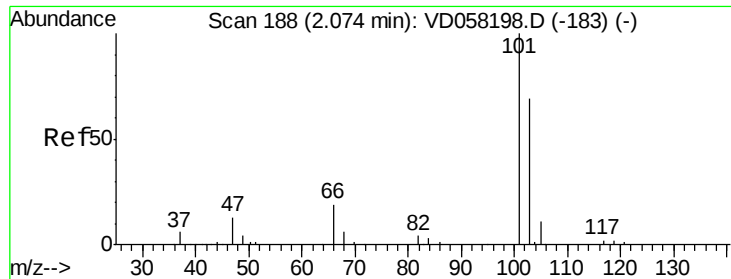
66 30.1 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

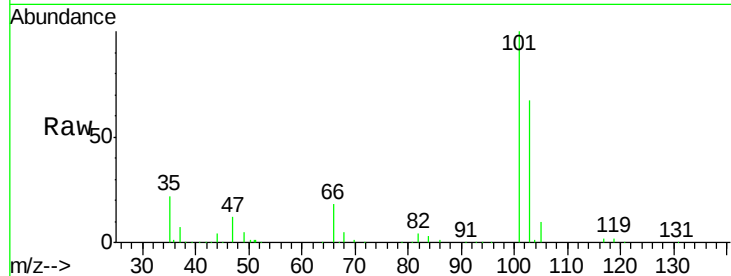
Trichlorofluoromethane
Concen: 52.83 ug/l
RT: 2.09 min Scan# 190
Delta R.T. 0.02 min
Lab File: VD058204.D
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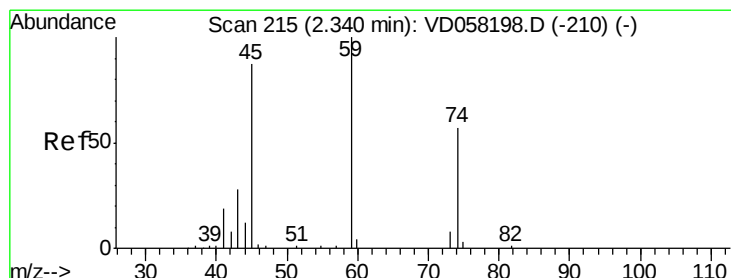
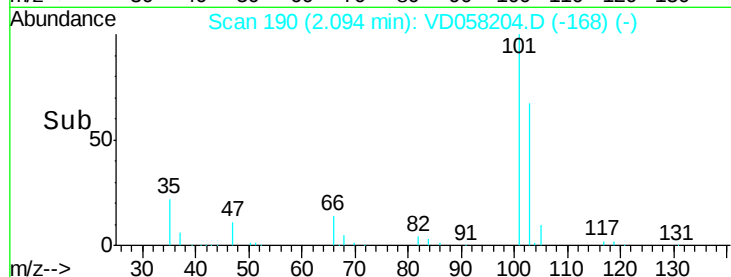
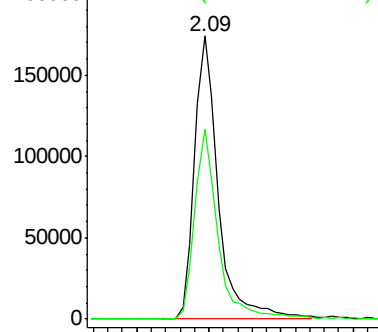
Tot Ion	Ratio	Resp	Lower	Upper
101	100	399091		
103	67.0	55.1	82.7	

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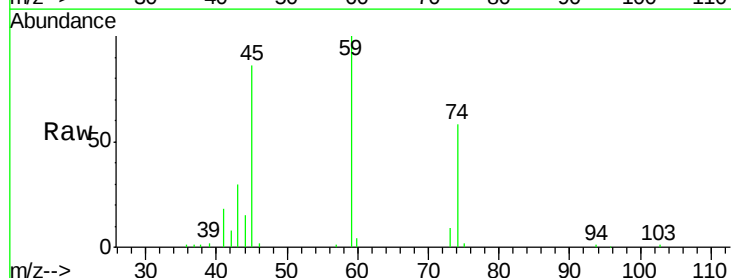
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



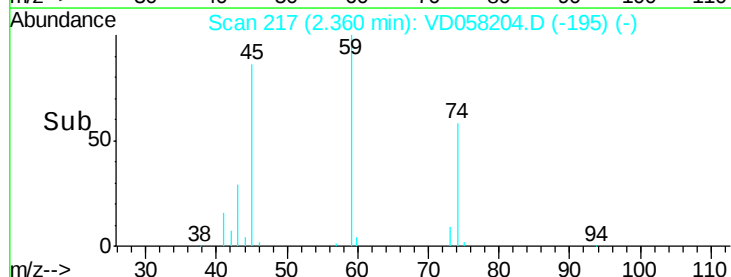
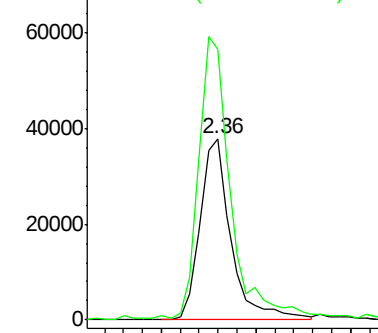
#8

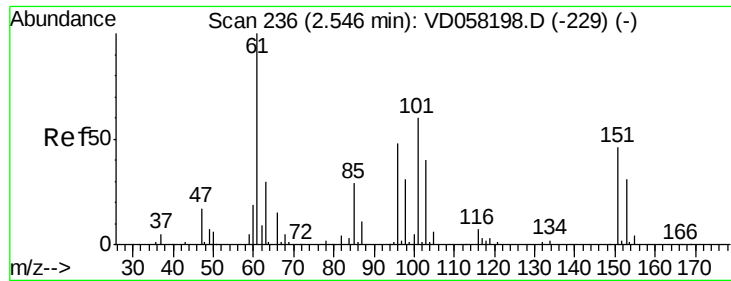
Diethyl Ether
Concen: 53.60 ug/l
RT: 2.36 min Scan# 217
Delta R.T. 0.02 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	85636		
45	149.0	77.5	232.6	



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.19 ug/l

RT: 2.57 min Scan# 238

Delta R.T. 0.02 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

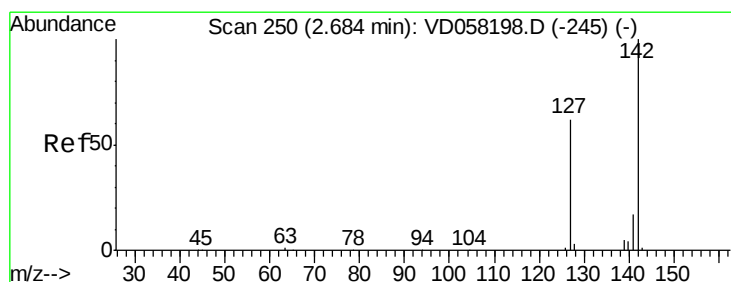
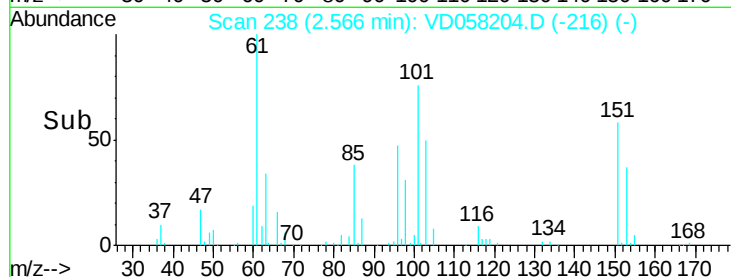
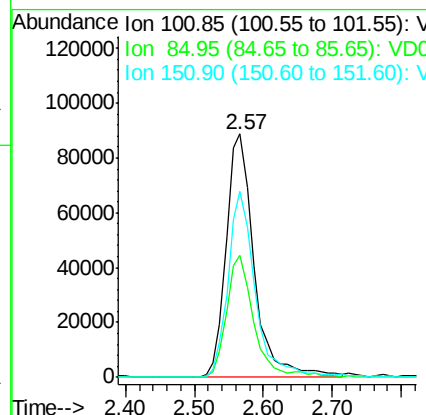
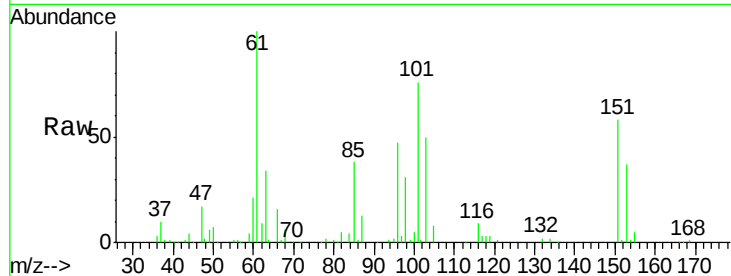
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	250642
Ion Ratio	Lower	Upper	
101	100		
85	49.9	39.0	58.4
151	76.3	61.8	92.8

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#10

Methyl Iodide

Concen: 55.43 ug/l

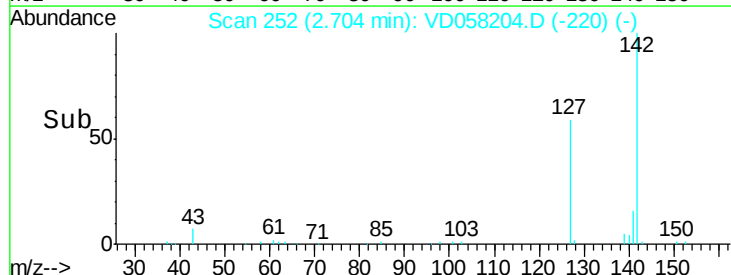
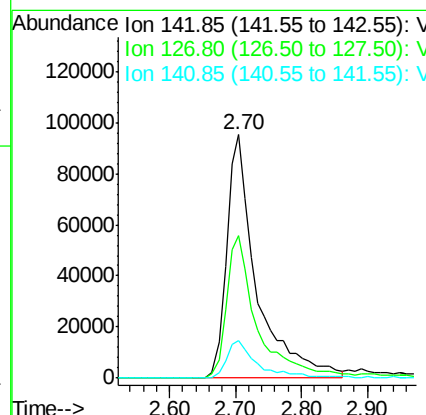
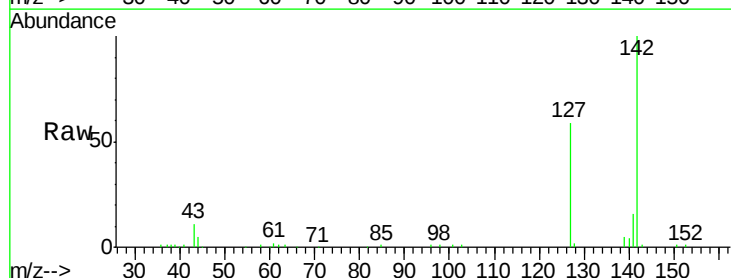
RT: 2.70 min Scan# 252

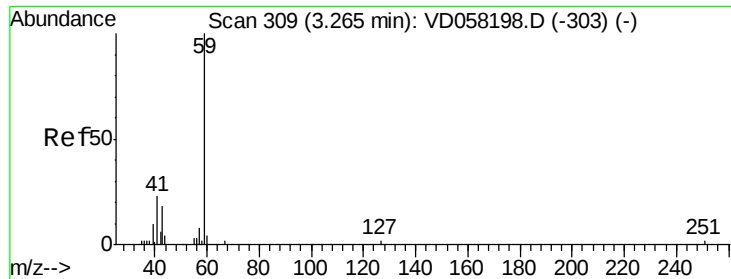
Delta R.T. 0.02 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Tgt Ion:	142	Resp:	302782
Ion Ratio	Lower	Upper	
142	100		
127	58.5	49.4	74.0
141	15.6	13.5	20.3





#11

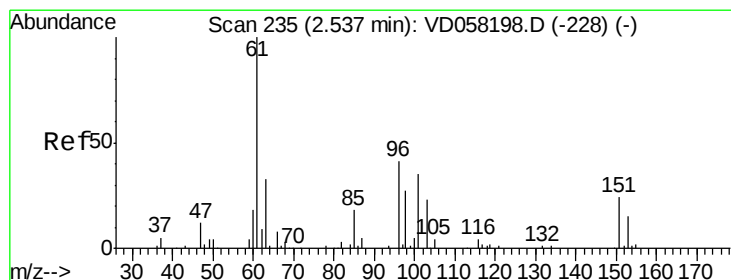
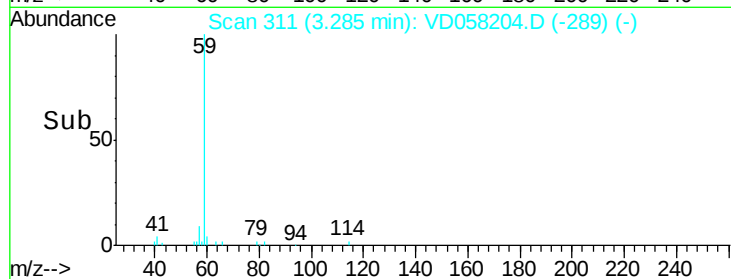
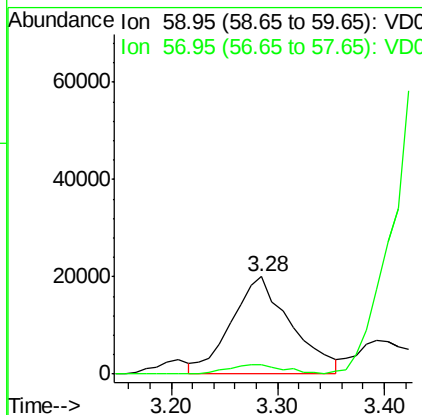
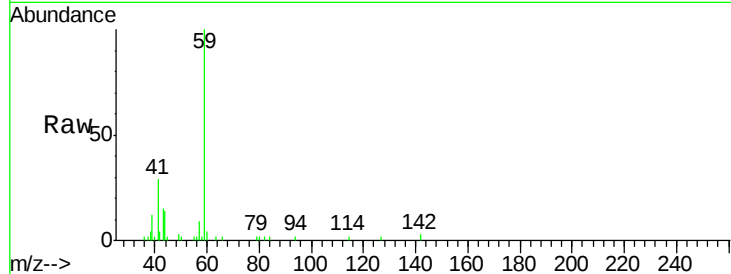
Tert butyl alcohol
Concen: 222.75 ug/l m
RT: 3.28 min Scan# 311
Delta R.T. 0.02 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.1	6.2	9.4

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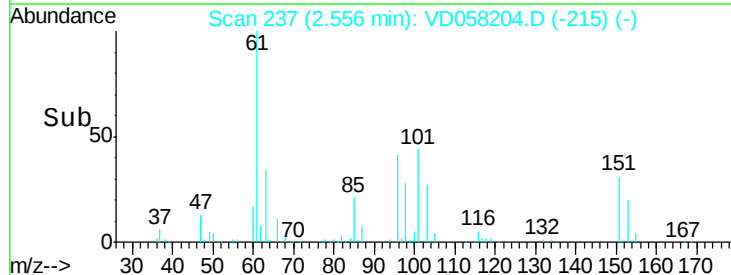
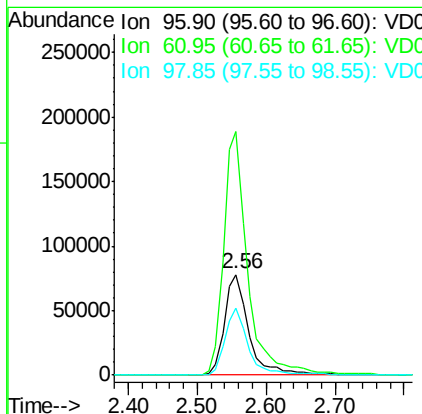
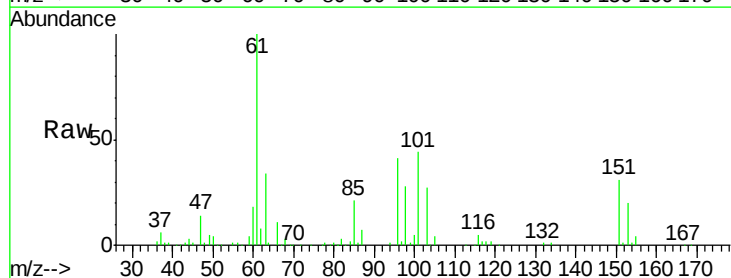
apatel
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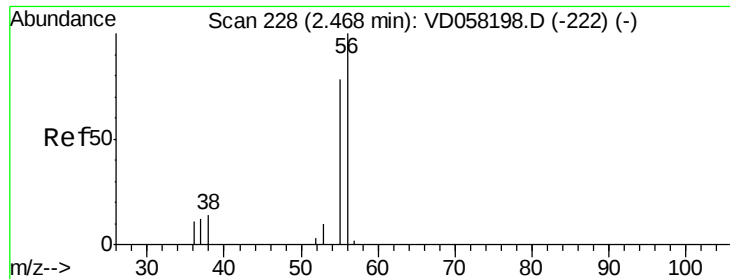


#12

1,1-Dichloroethene
Concen: 52.81 ug/l
RT: 2.56 min Scan# 237
Delta R.T. 0.02 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	242.0	193.9	290.9
98	66.7	51.7	77.5





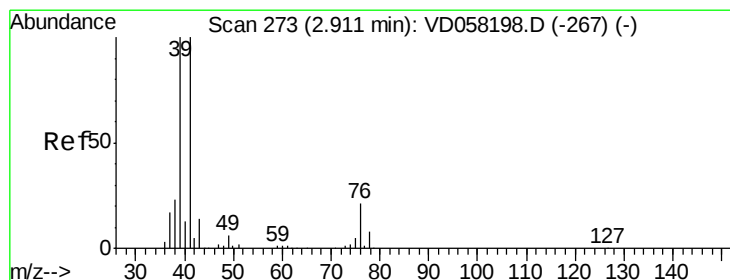
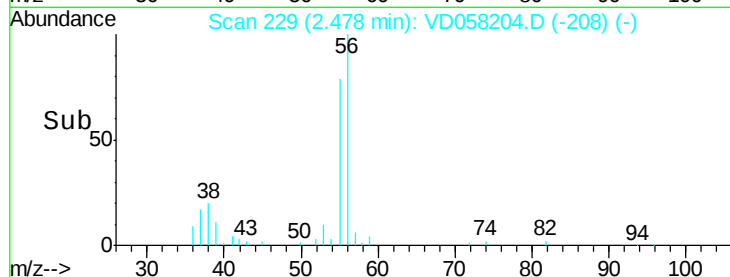
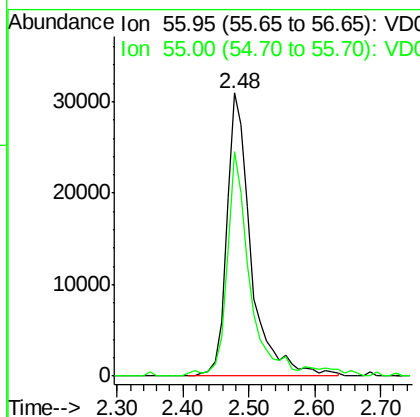
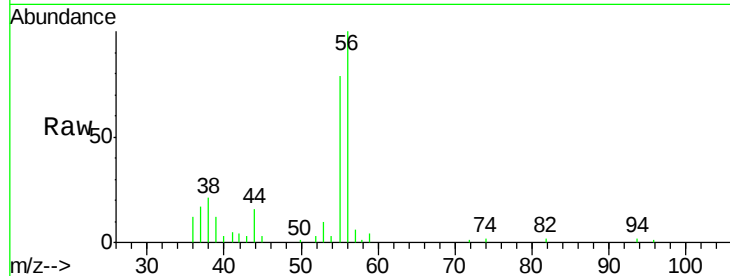
#13
Acrolein
Concen: 399.96 ug/l
RT: 2.48 min Scan# 229
Delta R.T. 0.01 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	79991
Ion Ratio	100	Lower	Upper
55	79.3	62.1	93.1

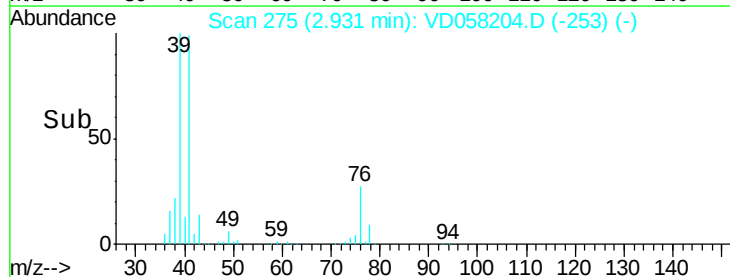
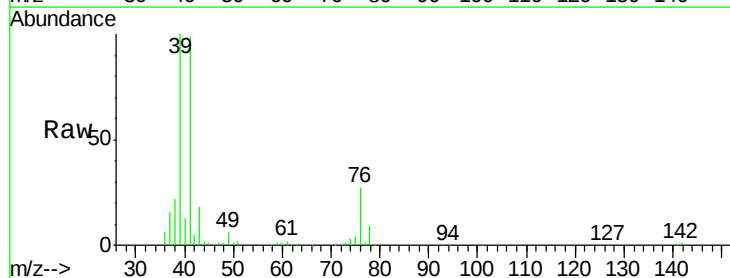
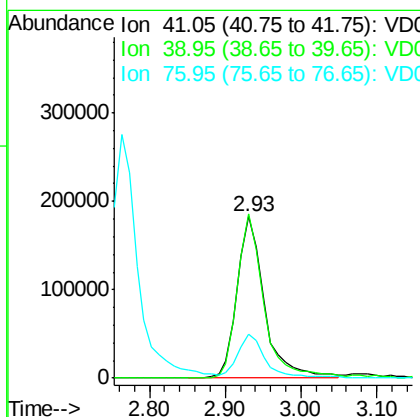
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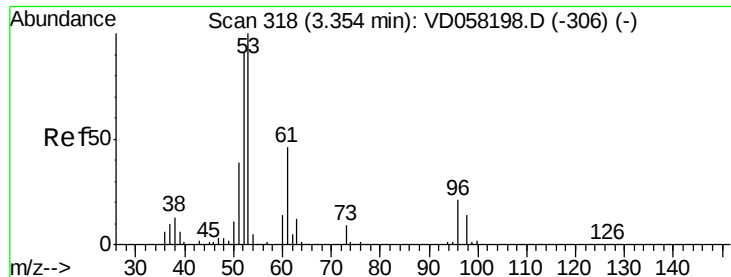
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#14
Allyl chloride
Concen: 54.69 ug/l
RT: 2.93 min Scan# 275
Delta R.T. 0.02 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Tgt Ion	41	Resp	459906
Ion Ratio	100	Lower	Upper
39	101.3	80.1	120.1
76	27.2	19.4	29.2





#15

Acrylonitrile

Concen: 276.38 ug/l

RT: 3.37 min Scan# 320

Delta R.T. 0.02 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

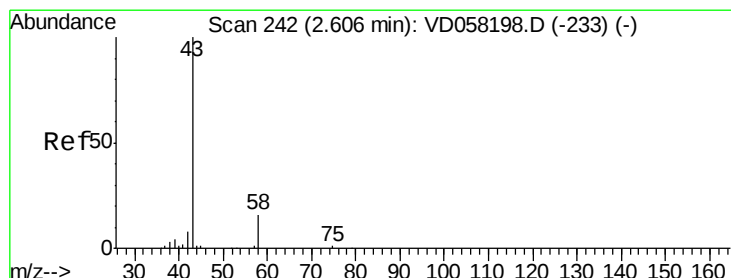
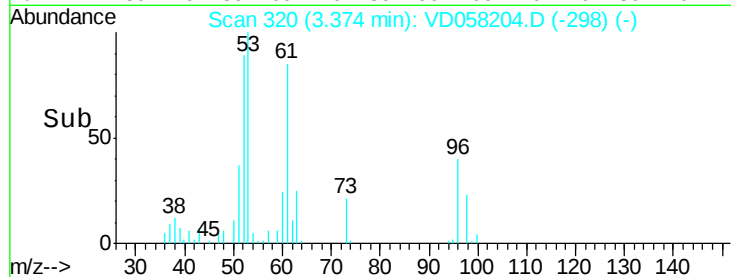
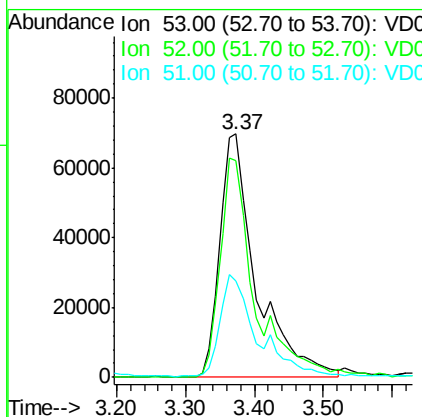
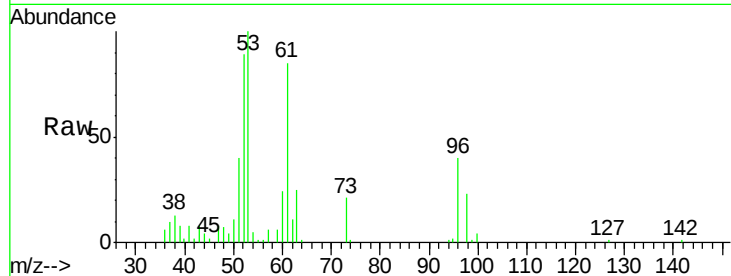
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	256747
Ion Ratio	Lower	Upper	
53	100		
52	89.0	72.6	108.8
51	39.7	32.2	48.4

Manual Integrations
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#16

Acetone

Concen: 290.51 ug/l

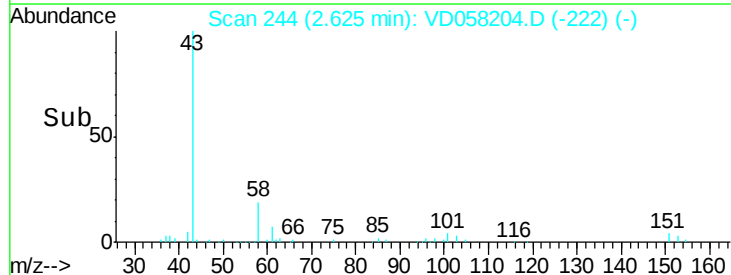
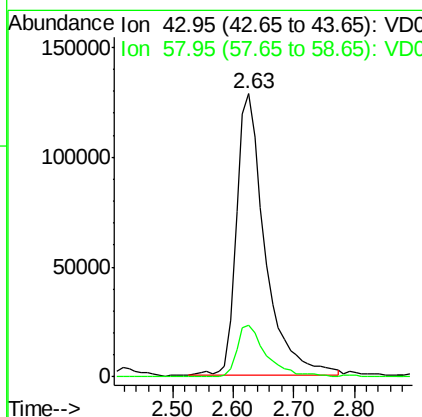
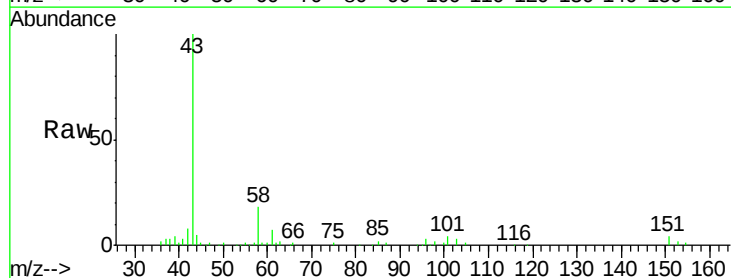
RT: 2.63 min Scan# 244

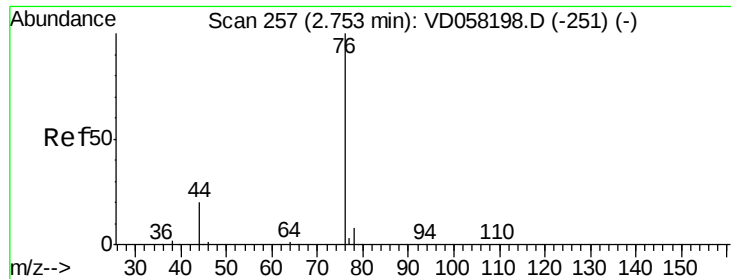
Delta R.T. 0.02 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Tgt Ion:	43	Resp:	422030
Ion Ratio	Lower	Upper	
43	100		
58	18.3	12.7	19.1





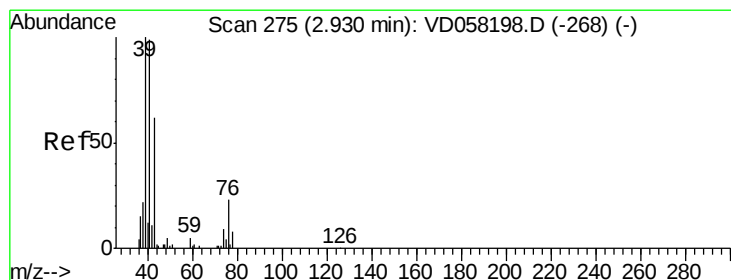
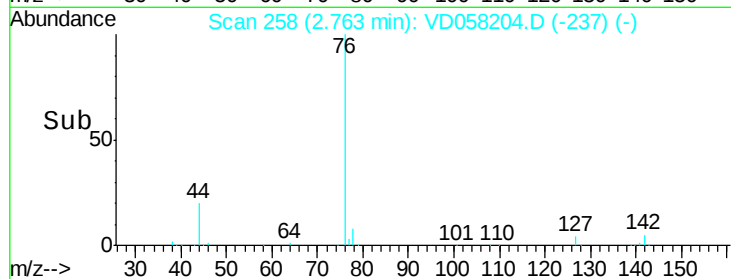
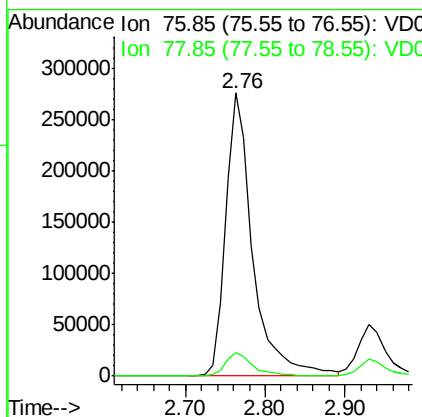
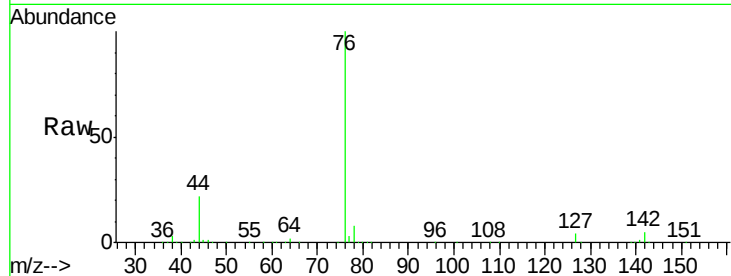
#17
Carbon Disulfide
Concen: 53.43 ug/l
RT: 2.76 min Scan# 258
Delta R.T. 0.01 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.4	6.8	10.2

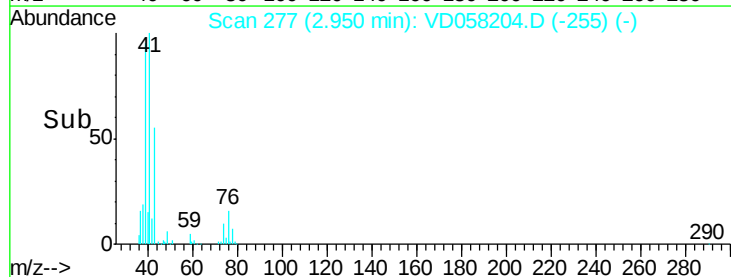
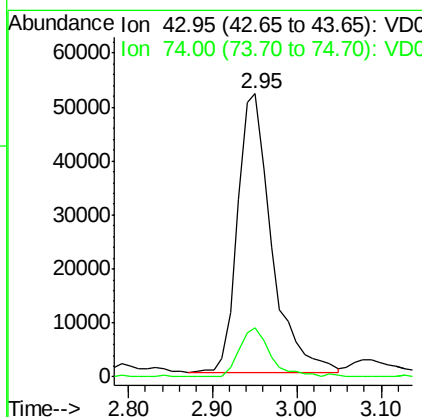
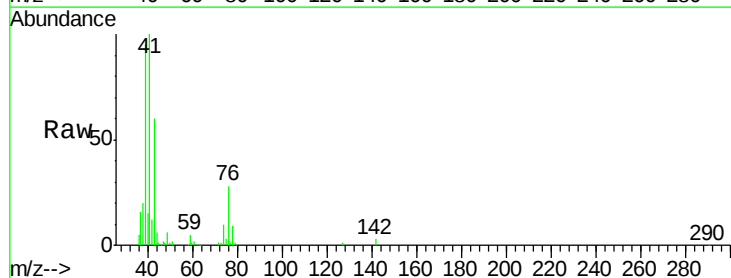
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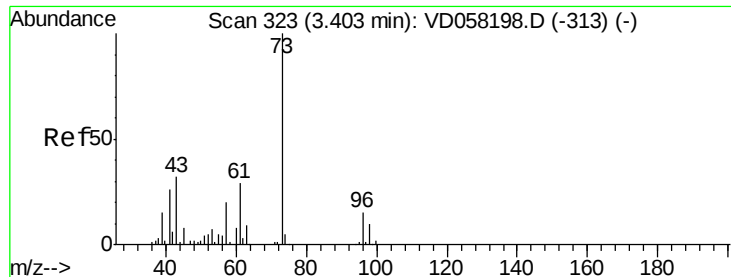
apatel
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#18
Methyl Acetate
Concen: 47.25 ug/l
RT: 2.95 min Scan# 277
Delta R.T. 0.02 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	17.2	11.7	17.5





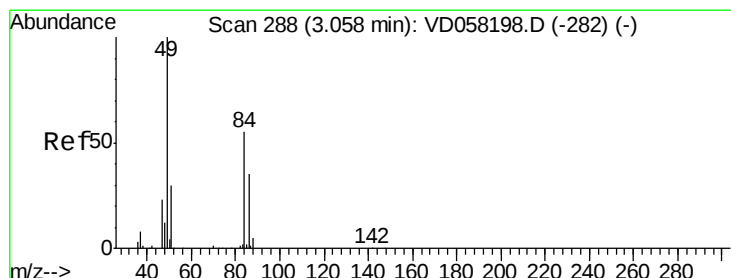
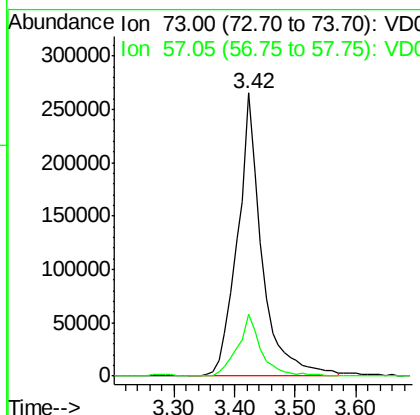
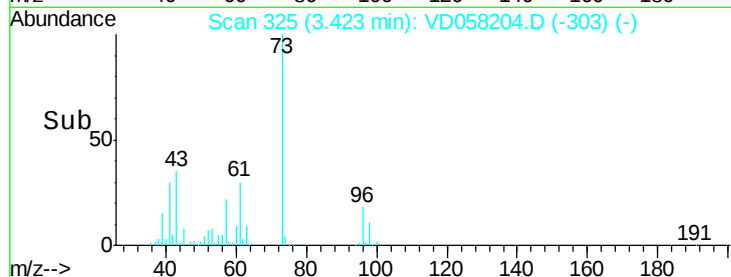
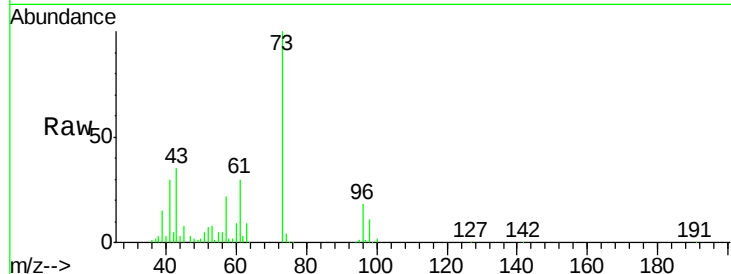
#19
Methvl tert-butvl Ether
Concen: 77.36 ug/l
RT: 3.42 min Scan# 325
Delta R.T. 0.02 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 741348
Ion Ratio Lower Upper
73 100
57 21.9 16.6 24.8

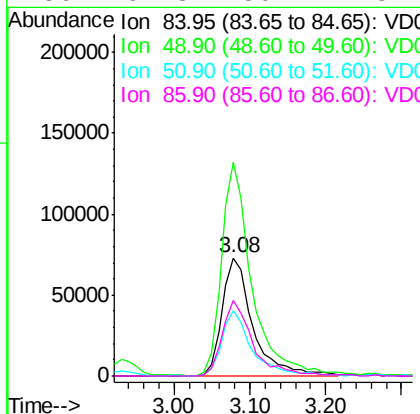
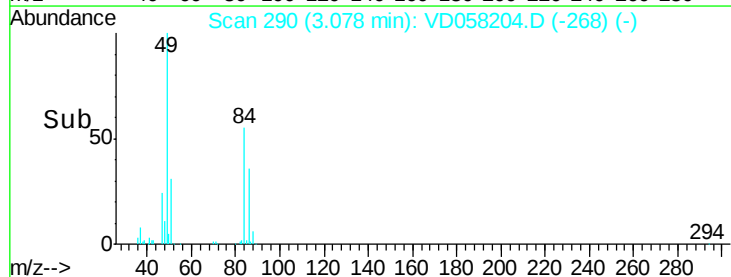
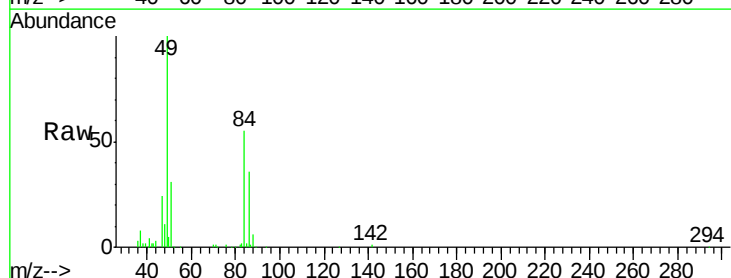
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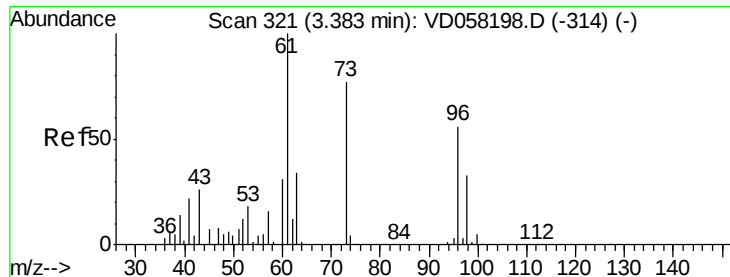
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#20
Methylene Chloride
Concen: 54.87 ug/l
RT: 3.08 min Scan# 290
Delta R.T. 0.02 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Tgt Ion: 84 Resp: 206330
Ion Ratio Lower Upper
84 100
49 181.0 145.0 217.6
51 55.4 42.9 64.3
86 64.3 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 64.79 ug/l

RT: 3.39 min Scan# 322

Delta R.T. 0.01 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 255824

Ion Ratio Lower Upper

96 100

61 210.6 143.8 215.6

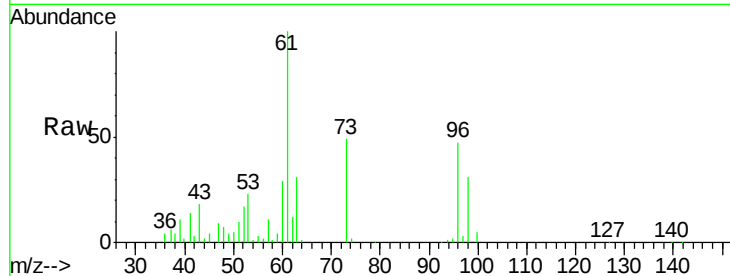
98 64.7 48.0 72.0

Manual Integrations

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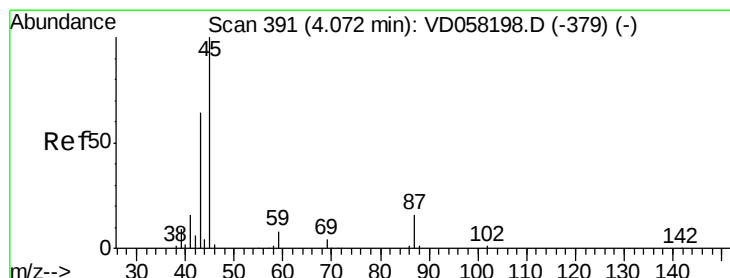
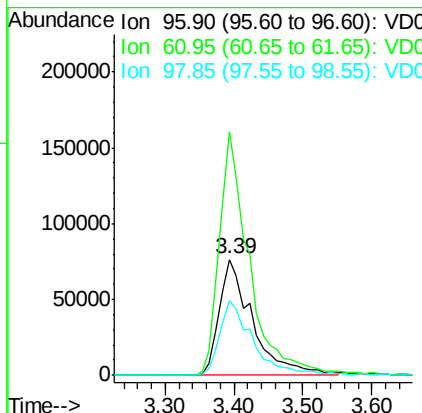
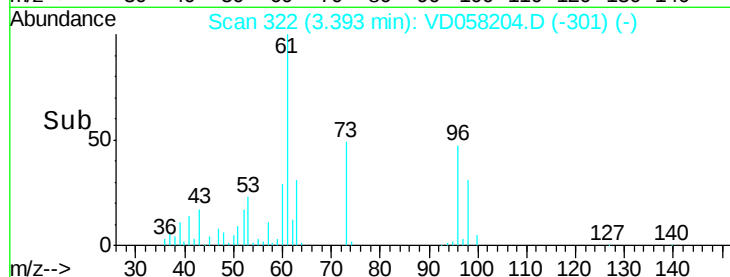
6/21/2018 11:50:47 AM



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: 49.88 ug/l

RT: 4.08 min Scan# 392

Delta R.T. 0.01 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Tgt Ion: 45 Resp: 1665853

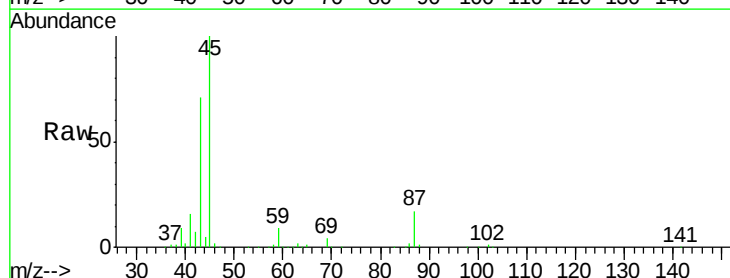
Ion Ratio Lower Upper

45 100

43 70.6 51.4 77.0

87 17.4 13.0 19.4

59 8.9 6.9 10.3

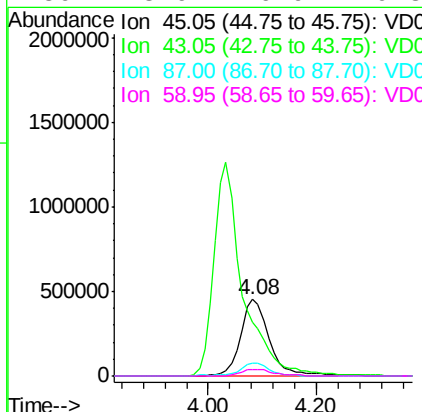
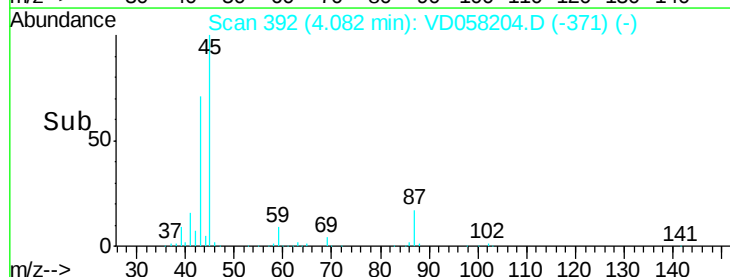


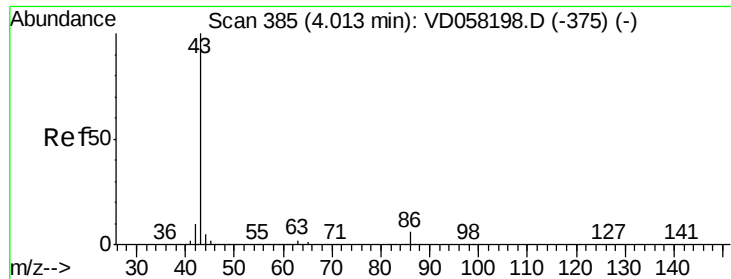
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 257.78 ug/l

RT: 4.03 min Scan# 387

Delta R.T. 0.02 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 4615253

Ion Ratio Lower Upper

43 100

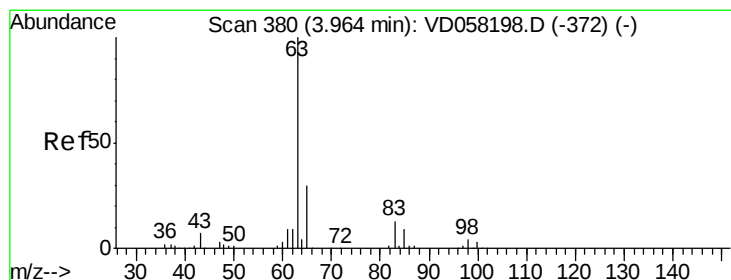
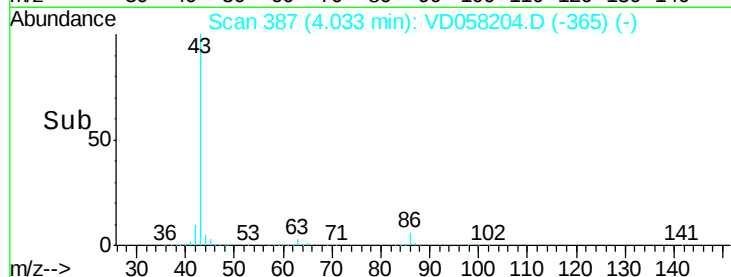
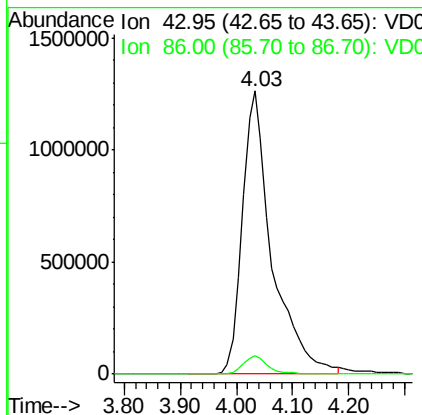
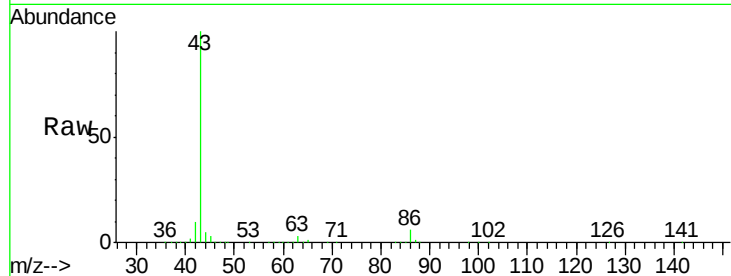
86 6.4 5.0 7.4

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#24

1,1-Dichloroethane

Concen: 52.23 ug/l

RT: 3.98 min Scan# 382

Delta R.T. 0.02 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

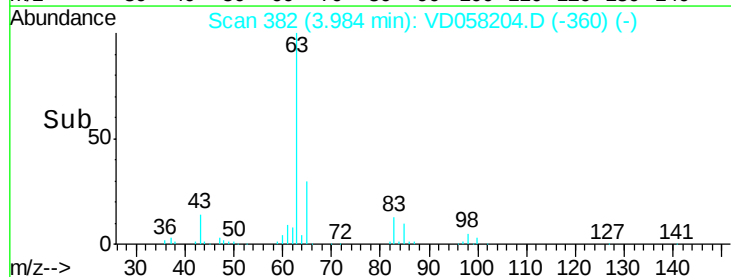
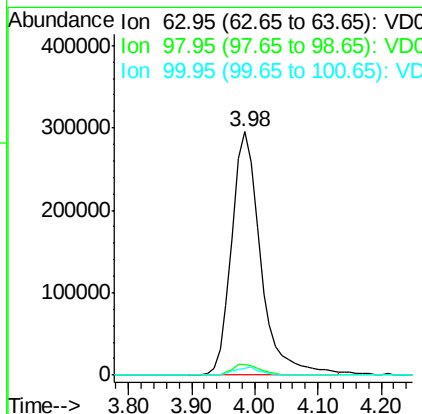
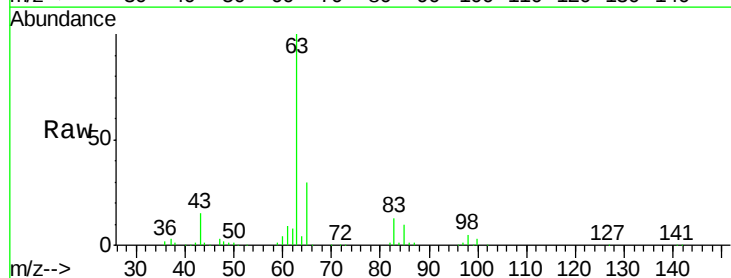
Tgt Ion: 63 Resp: 939778

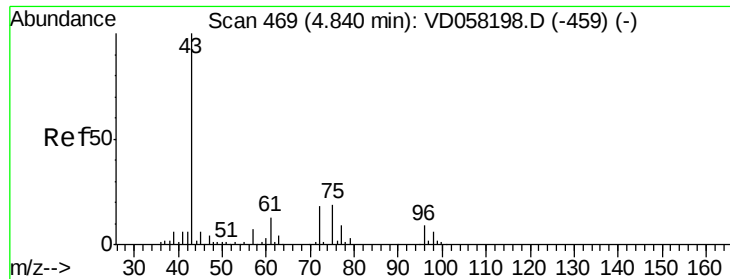
Ion Ratio Lower Upper

63 100

98 4.6 1.9 5.7

100 2.8 1.3 3.9





#25

2-Butanone

Concen: 256.04 ug/l

RT: 4.85 min Scan# 470

Delta R.T. 0.01 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 810675

Ion Ratio Lower Upper

43 100

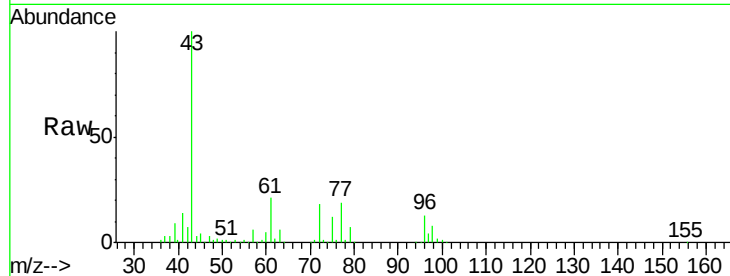
72 18.2 14.1 21.1

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

300000

250000

200000

150000

100000

50000

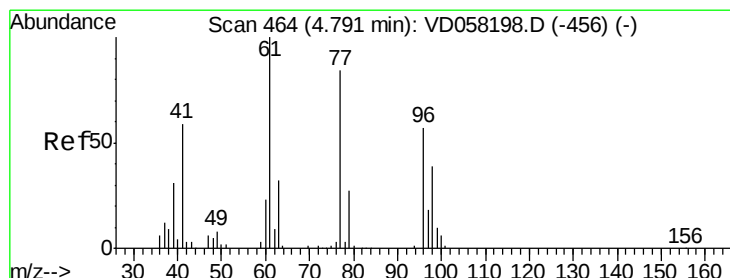
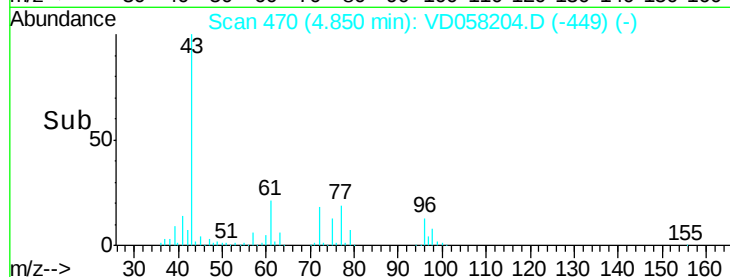
0

4.70

4.80

4.90

Time-->



#26

2,2-Dichloropropane

Concen: 56.35 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.02 min

Lab File: VD058204.D

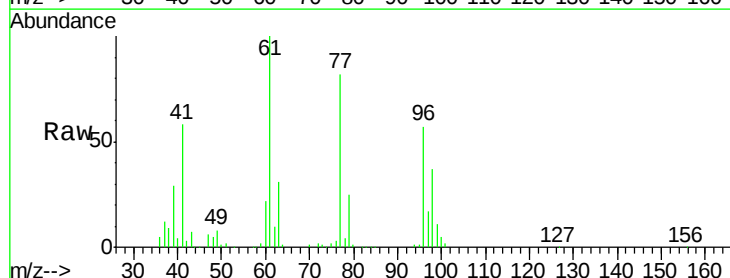
Acq: 20 Jun 2018 11:58

Tgt Ion: 77 Resp: 848937

Ion Ratio Lower Upper

77 100

97 21.2 10.5 31.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

250000

200000

150000

100000

50000

0

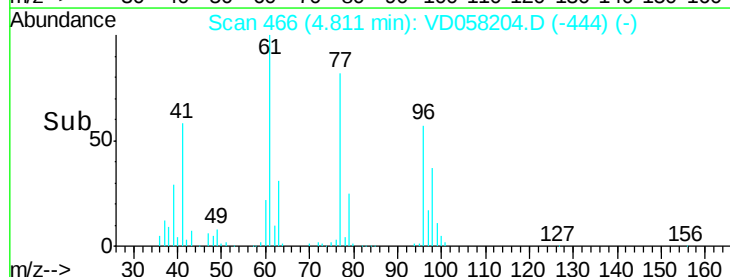
4.70

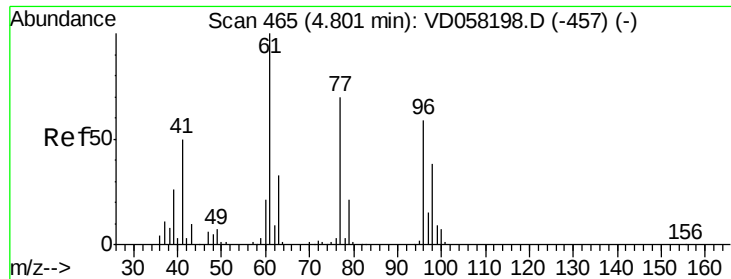
4.80

4.90

5.00

Time-->





#27

cis-1,2-Dichloroethene

Concen: 52.33 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.01 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

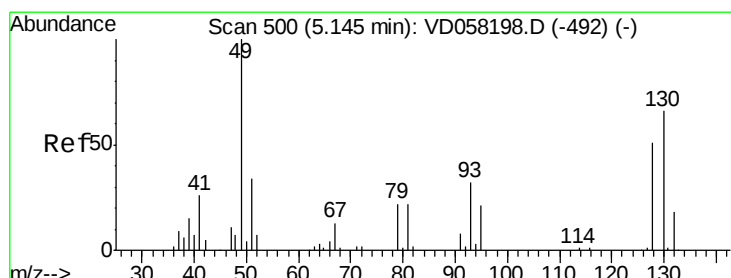
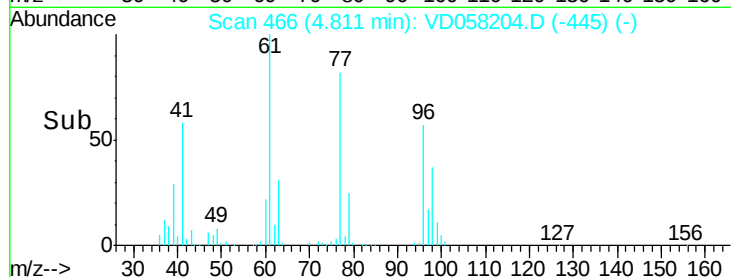
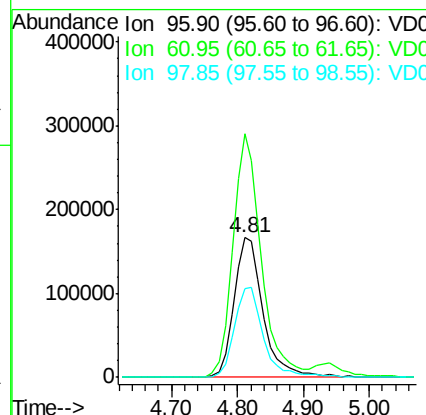
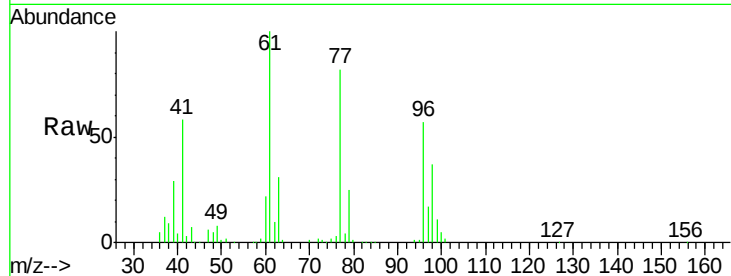
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	516333
Ion	Ratio	Lower	Upper
96	100		
61	174.3	0.0	338.6
98	64.0	0.0	130.2

Manual Integrations
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#28

Bromochloromethane

Concen: 49.11 ug/l

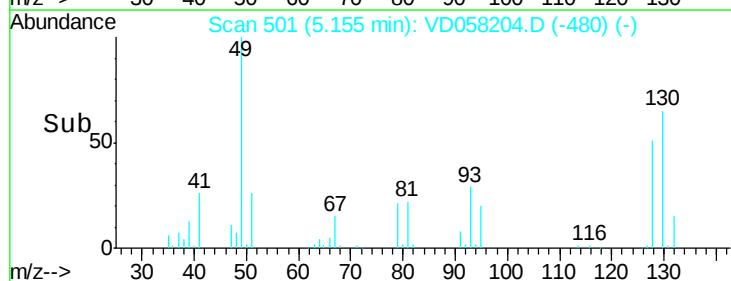
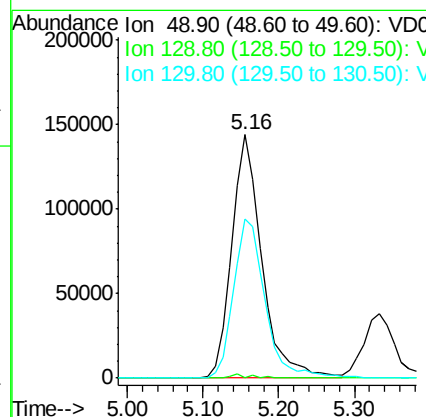
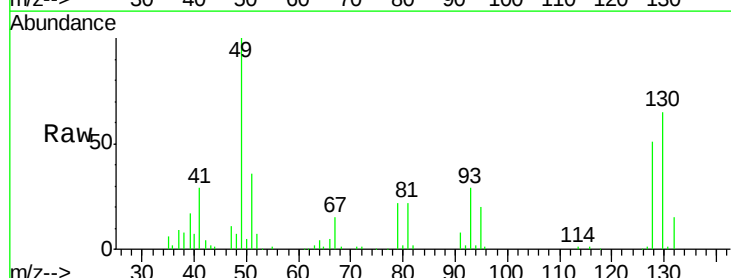
RT: 5.16 min Scan# 501

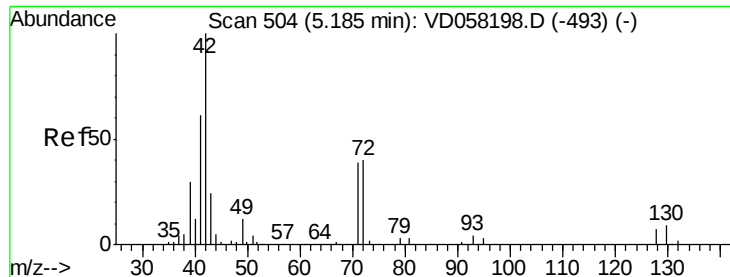
Delta R.T. 0.01 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Tgt Ion:	49	Resp:	396126
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	65.3	52.6	79.0





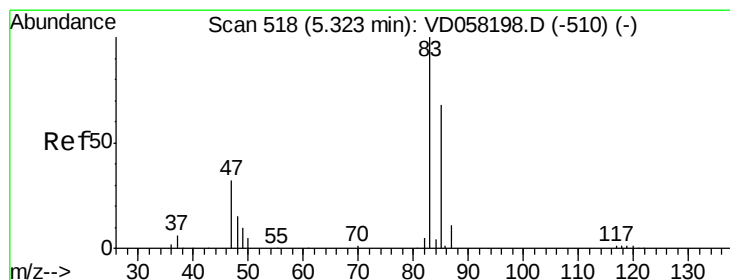
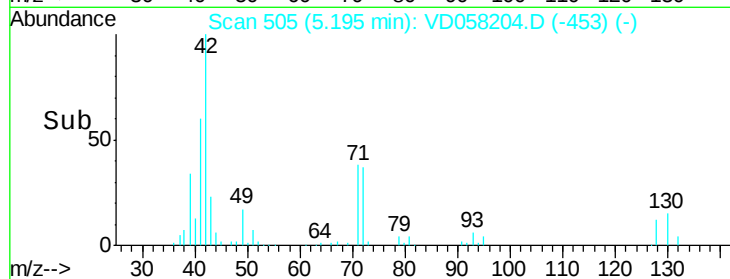
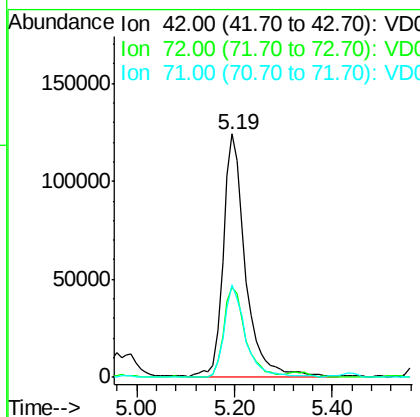
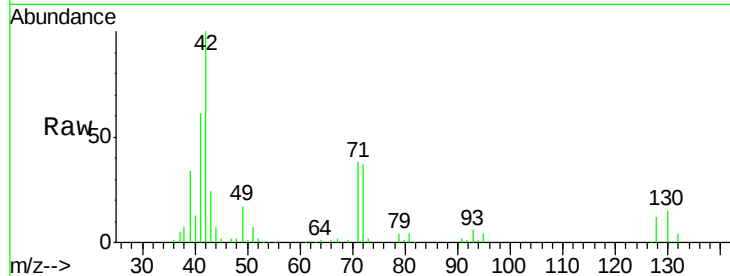
#29
Tetrahydrofuran
Concen: 229.36 ug/l
RT: 5.19 min Scan# 505
Delta R.T. 0.01 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.8	30.2	45.2
71	36.6	30.1	45.1

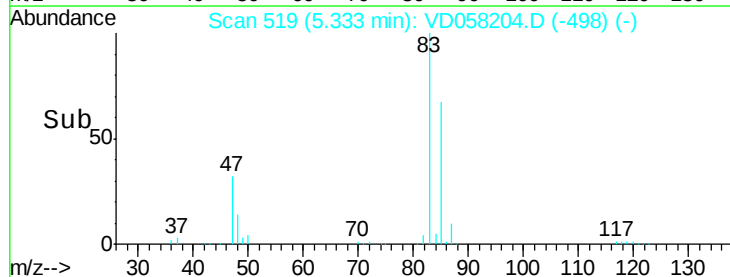
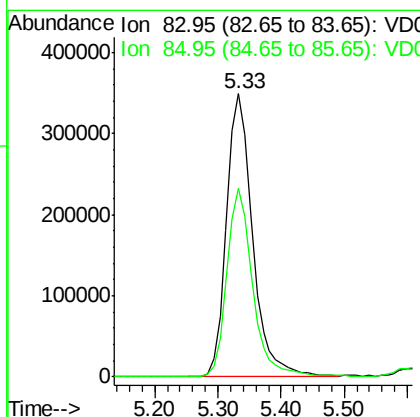
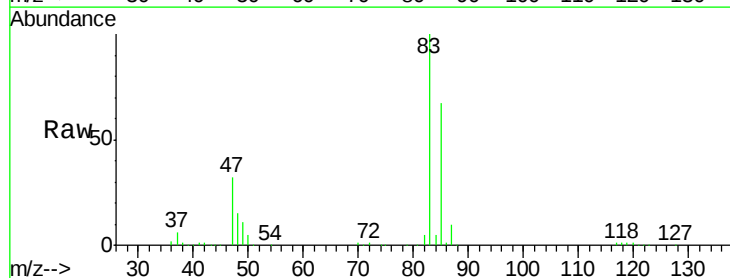
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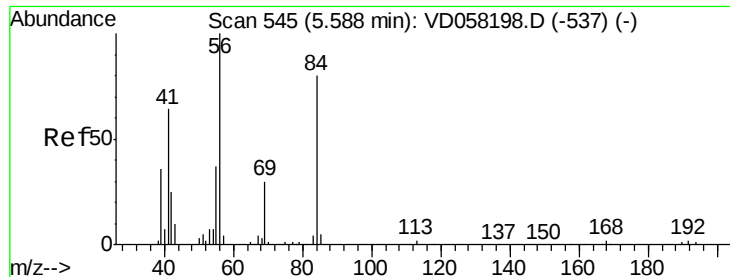
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#30
Chloroform
Concen: 52.78 ug/l
RT: 5.33 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	54.8	82.2





#31

Cyclohexane

Concen: 53.94 ug/l

RT: 5.60 min Scan# 546

Delta R.T. 0.01 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

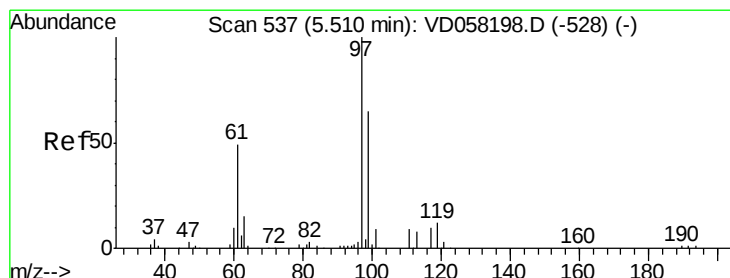
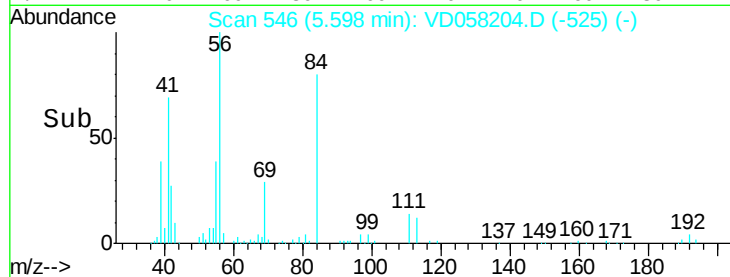
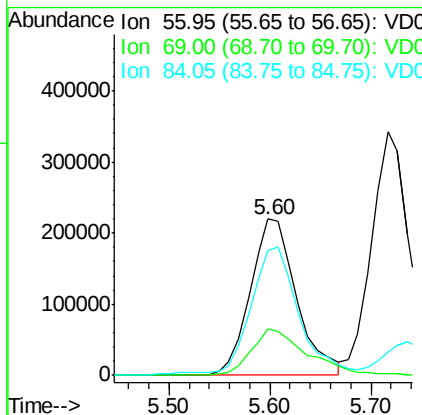
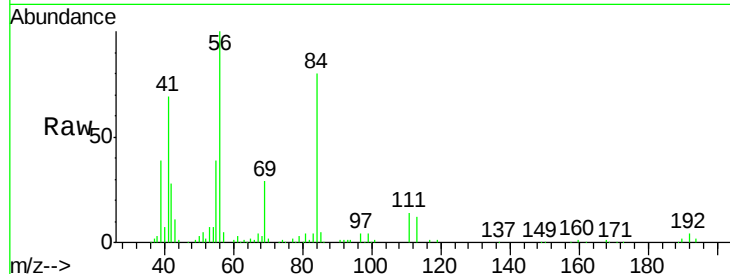
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	699329
Ion	Ratio	Lower	Upper
56	100		
69	29.4	23.6	35.4
84	80.0	65.2	97.8

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#32

1,1,1-Trichloroethane

Concen: 54.58 ug/l

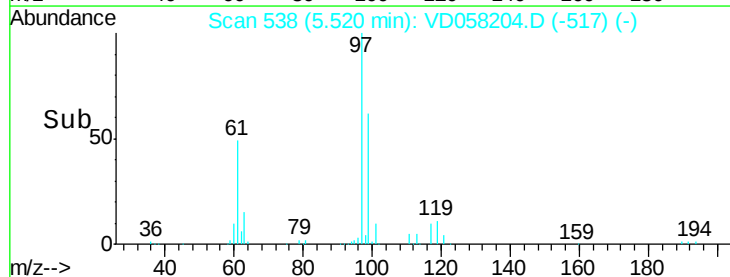
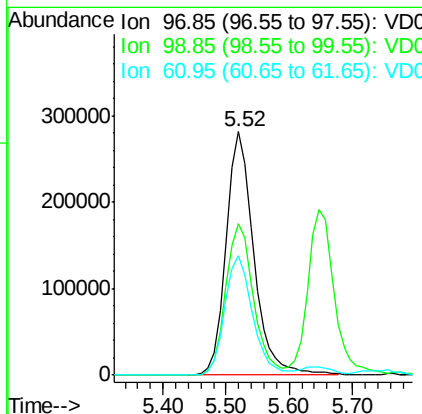
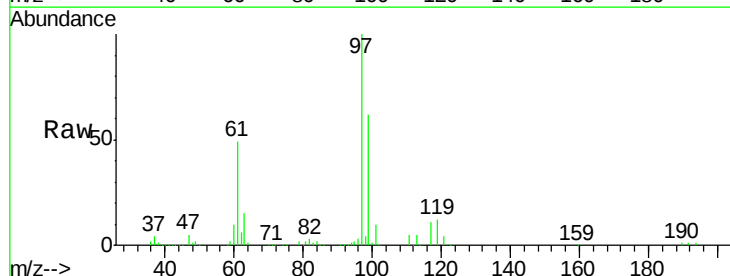
RT: 5.52 min Scan# 538

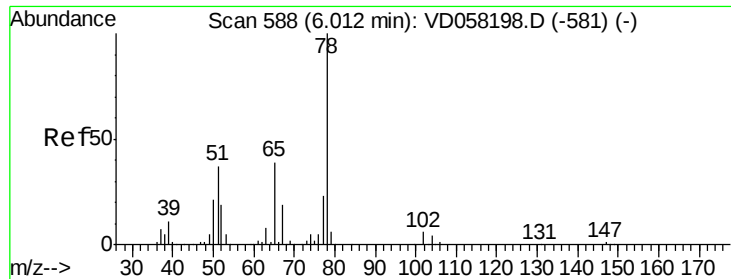
Delta R.T. 0.01 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Tgt Ion:	97	Resp:	856612
Ion	Ratio	Lower	Upper
97	100		
99	62.3	52.2	78.4
61	49.2	39.0	58.4





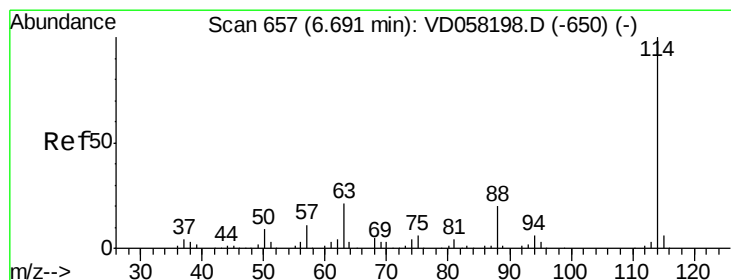
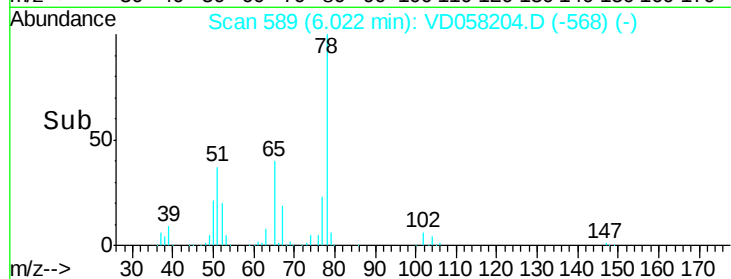
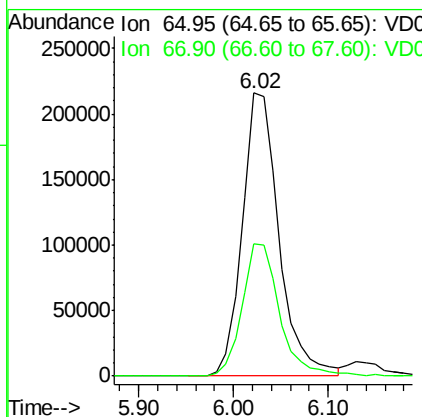
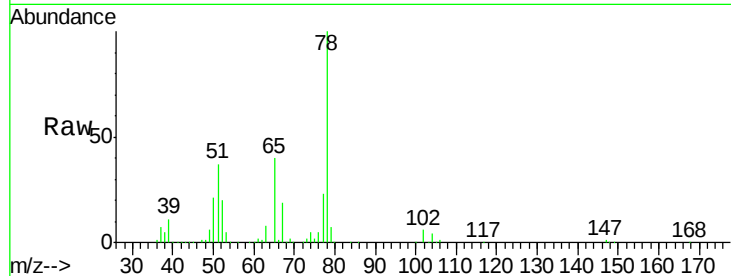
#33
 1,2-Dichloroethane-d4
 Concen: 54.58 ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. 0.01 min
 Lab File: VD058204.D
 Acq: 20 Jun 2018 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	581205		
67	46.9	0.0	97.8	

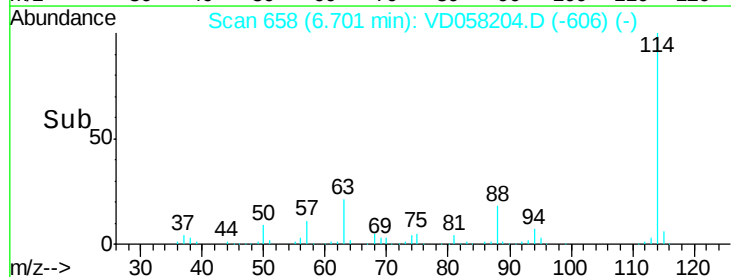
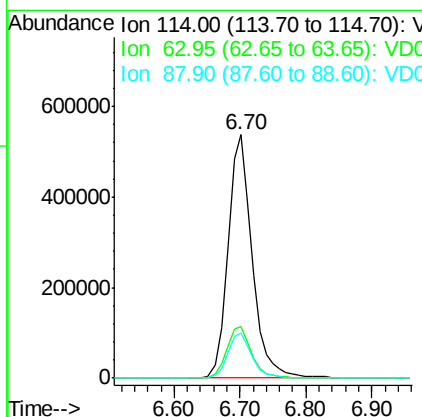
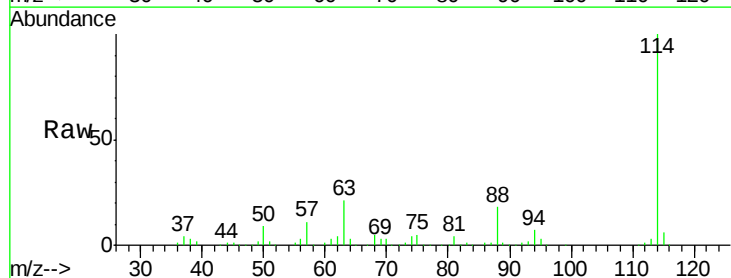
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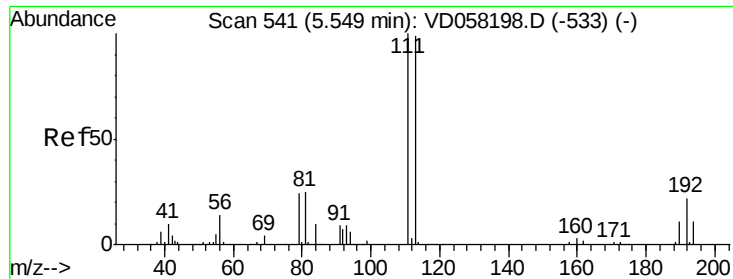
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.70 min Scan# 658
 Delta R.T. 0.01 min
 Lab File: VD058204.D
 Acq: 20 Jun 2018 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1379636		
63	21.4	0.0	42.6	
88	18.4	0.0	40.6	





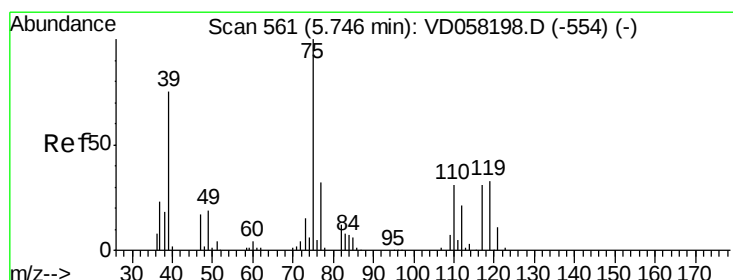
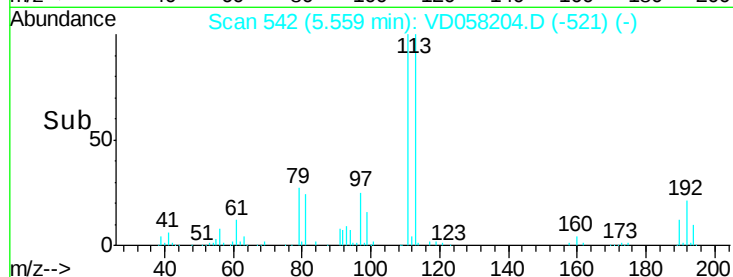
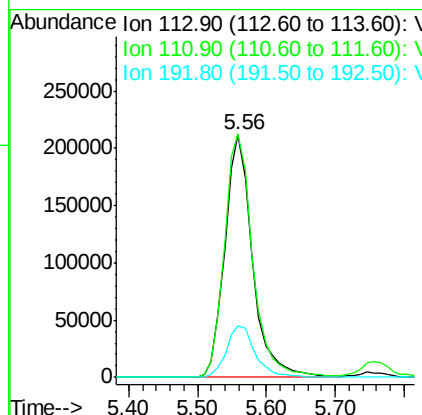
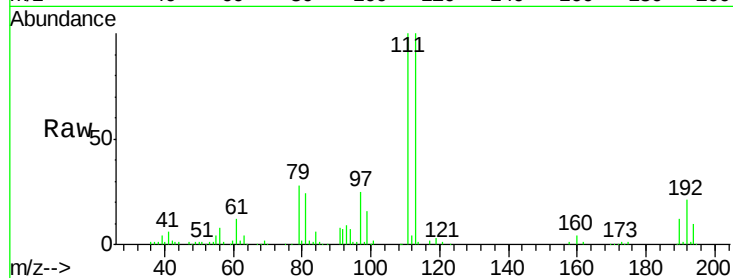
#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 5.56 min Scan# 542
Delta R.T. 0.01 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	588953		
111	100.5	80.6	121.0	
192	21.3	17.8	26.6	

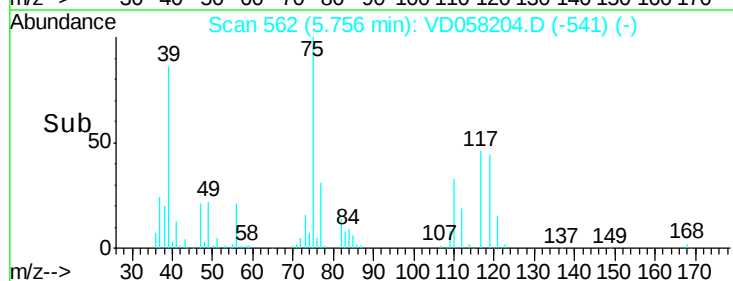
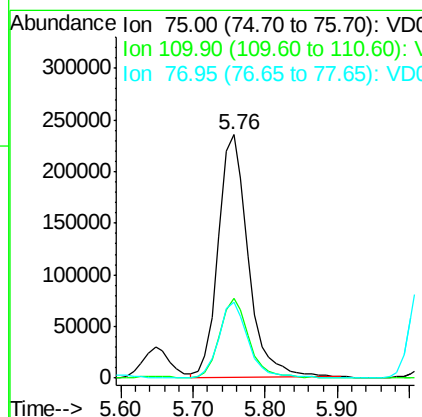
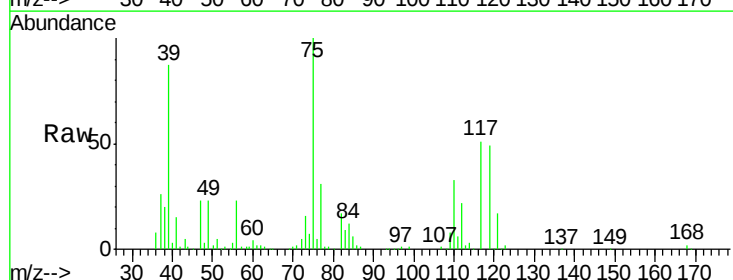
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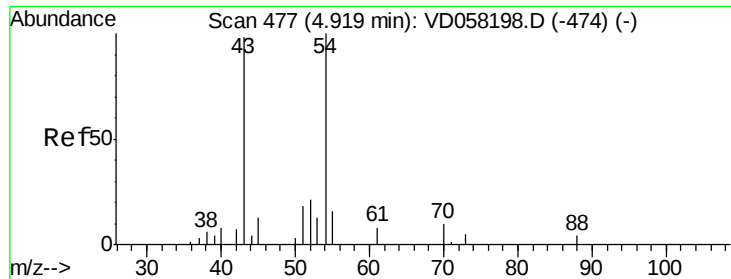
apatel
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#36
1,1-Dichloropropene
Concen: 49.10 ug/l
RT: 5.76 min Scan# 562
Delta R.T. 0.01 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	670101		
110	33.0	15.4	46.4	
77	31.3	25.4	38.2	





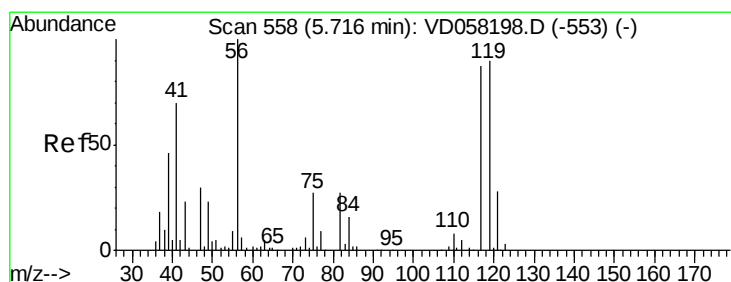
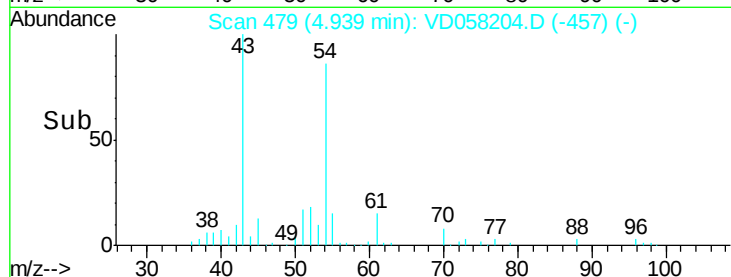
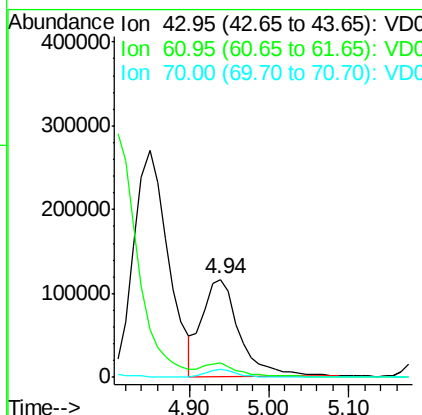
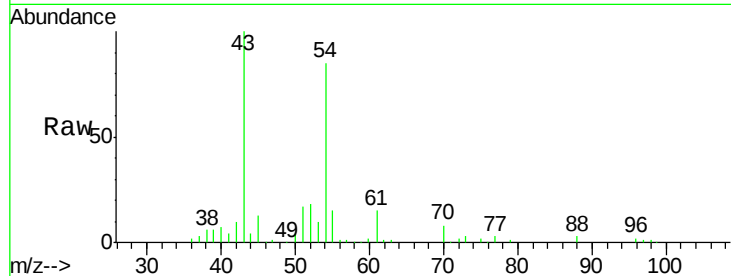
#37
Ethyl Acetate
Concen: 48.10 ug/l
RT: 4.94 min Scan# 479
Delta R.T. 0.02 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	10.3	15.5
70	7.8	5.7	8.5

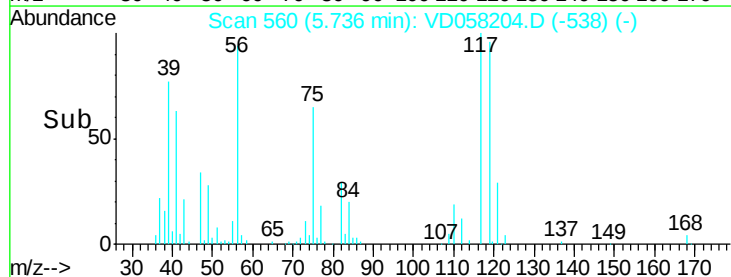
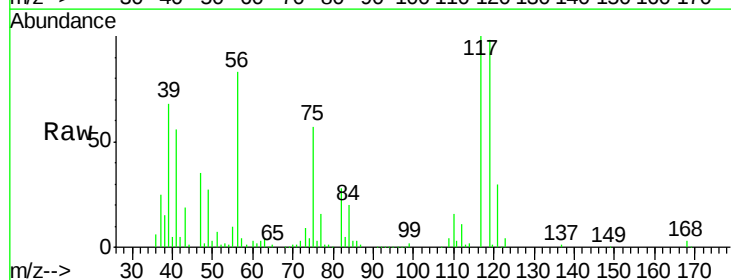
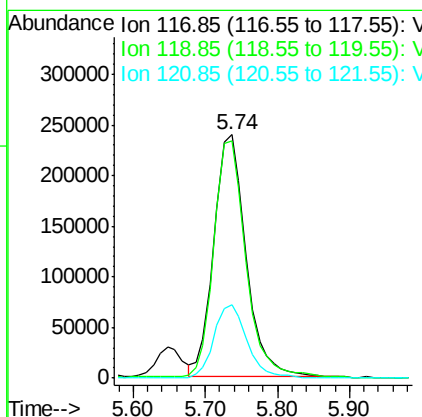
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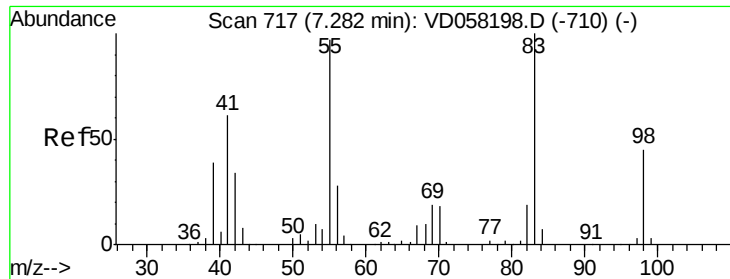
apatel
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#38
Carbon Tetrachloride
Concen: 54.58 ug/l
RT: 5.74 min Scan# 560
Delta R.T. 0.02 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	78.8	118.2
121	30.2	25.0	37.6





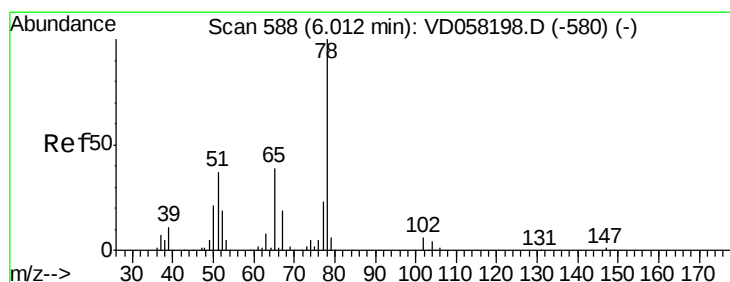
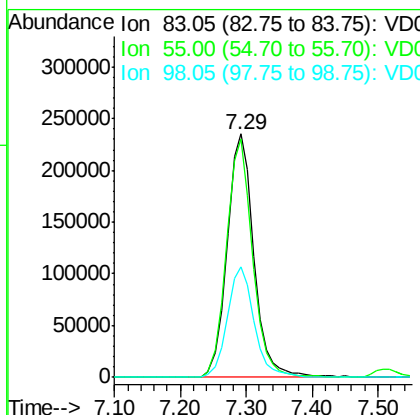
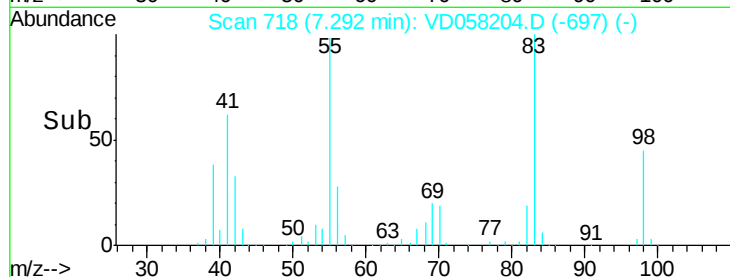
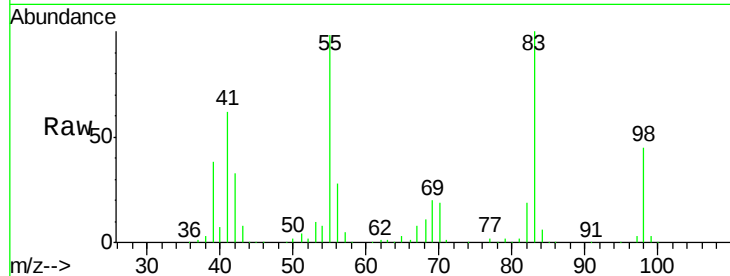
#39
Methylcyclohexane
Concen: 50.16 ug/l
RT: 7.29 min Scan# 718
Delta R.T. 0.01 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	666759
Ion Ratio	Lower	Upper	
83	100		
55	98.1	77.4	116.2
98	45.2	35.9	53.9

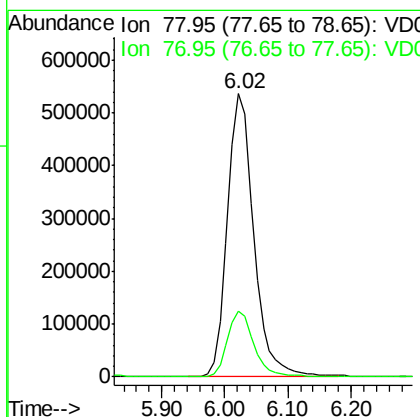
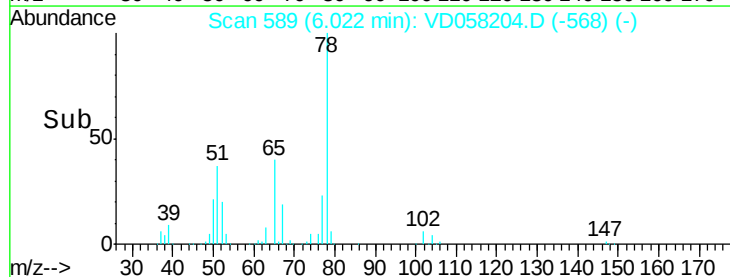
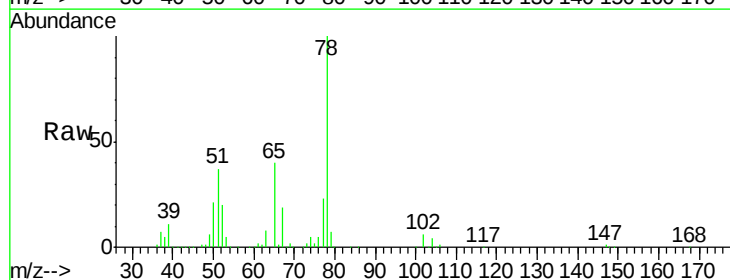
Manual Integrations
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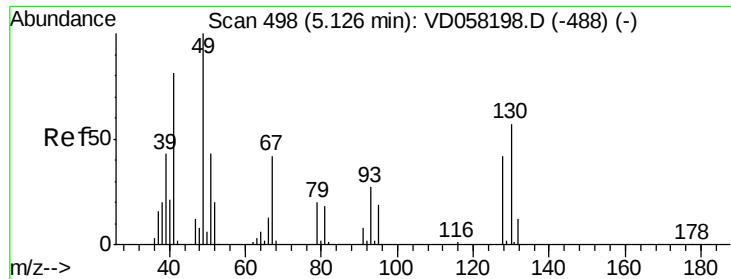
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#40
Benzene
Concen: 47.80 ug/l
RT: 6.02 min Scan# 589
Delta R.T. 0.01 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Tgt Ion	78	Resp	1554048
Ion Ratio	Lower	Upper	
78	100		
77	23.4	18.5	27.7





#41

Methacrylonitrile

Concen: 48.16 ug/l

RT: 5.14 min Scan# 499

Delta R.T. 0.01 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 180854

Ion Ratio Lower Upper

41 100

39 54.3 43.4 65.2

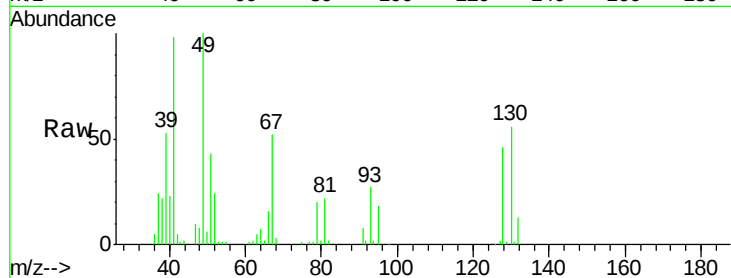
67 52.8 41.7 62.5

52 24.6 20.6 30.8

Manual Integrations
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apatel

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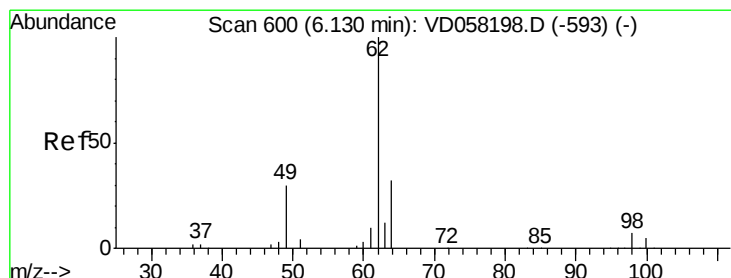
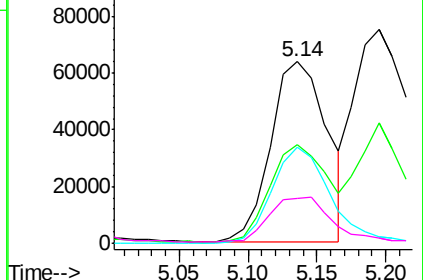
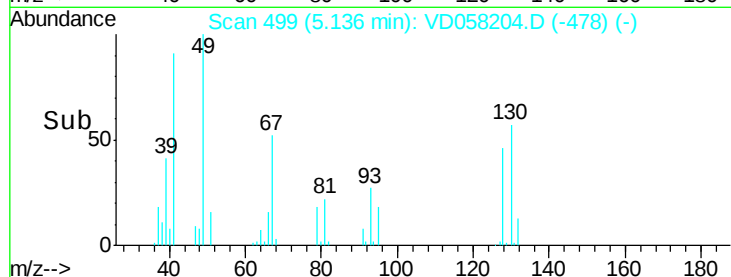


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 51.34 ug/l

RT: 6.14 min Scan# 601

Delta R.T. 0.01 min

Lab File: VD058204.D

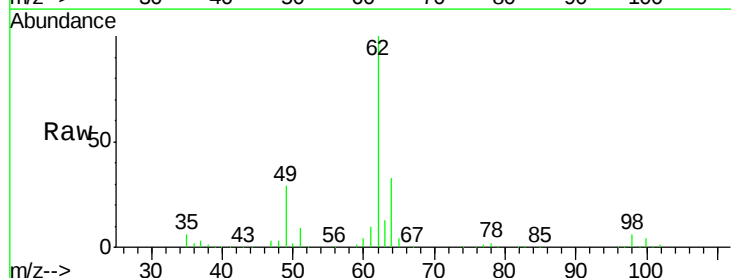
Acq: 20 Jun 2018 11:58

Tgt Ion: 62 Resp: 673050

Ion Ratio Lower Upper

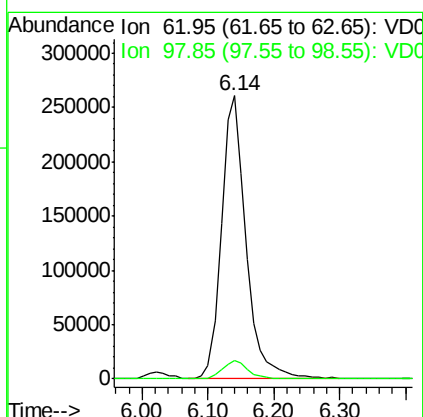
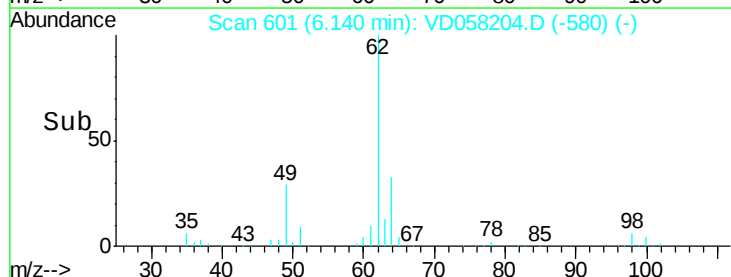
62 100

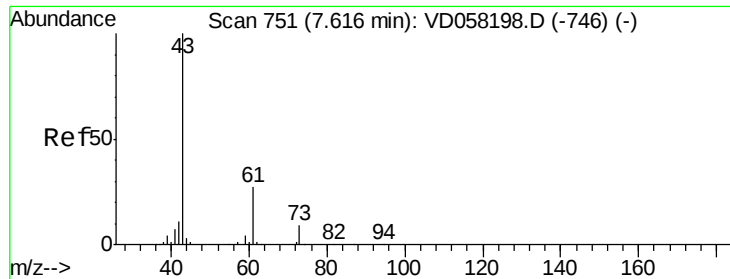
98 6.3 0.0 13.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

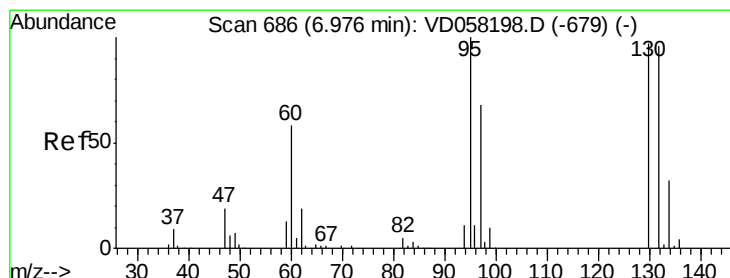
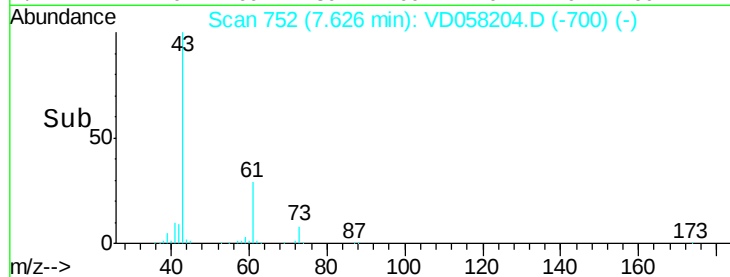
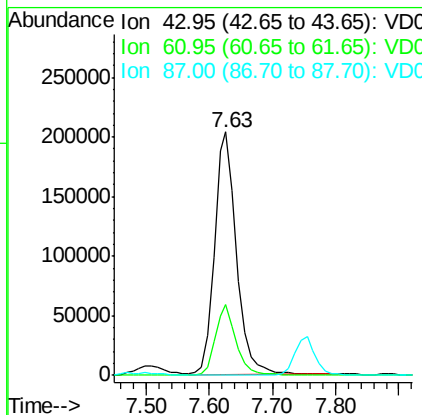
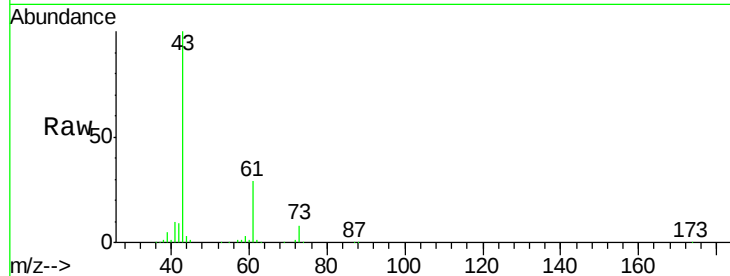
Isopropyl Acetate
 Concen: 47.90 ug/l
 RT: 7.63 min Scan# 752
 Delta R.T. 0.01 min
 Lab File: VD058204.D
 Acq: 20 Jun 2018 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.1	21.8	32.6
87	0.3	0.3	0.5

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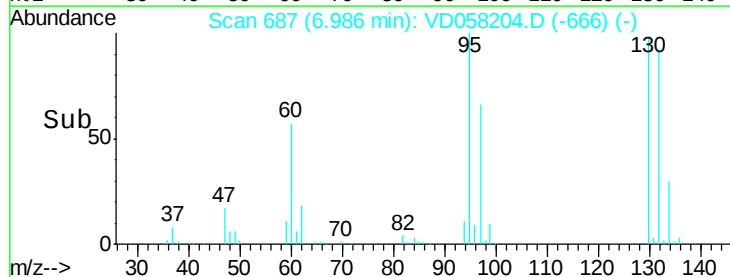
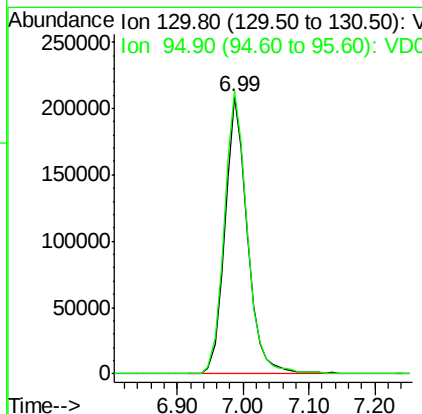
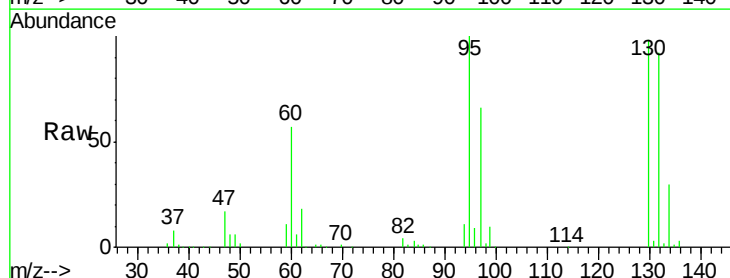
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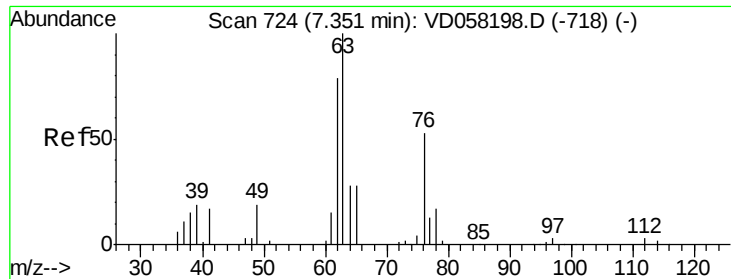


#44

Trichloroethene
 Concen: 51.07 ug/l
 RT: 6.99 min Scan# 687
 Delta R.T. 0.01 min
 Lab File: VD058204.D
 Acq: 20 Jun 2018 11:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	205.6





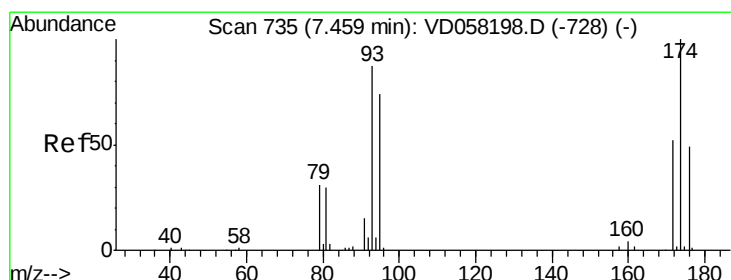
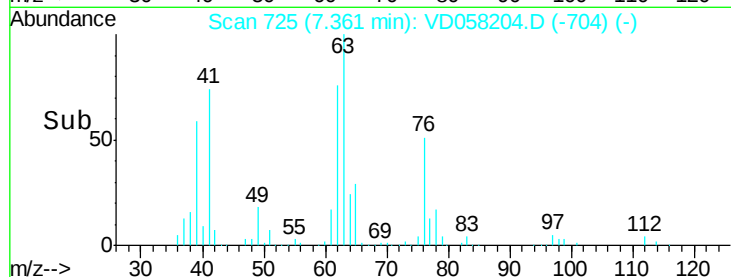
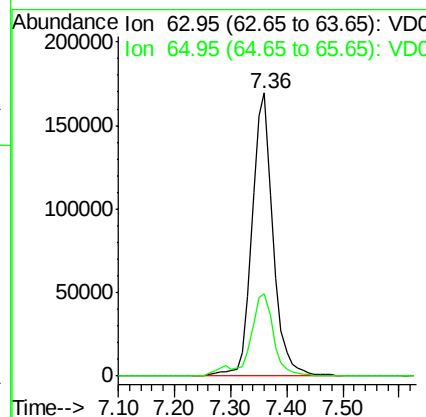
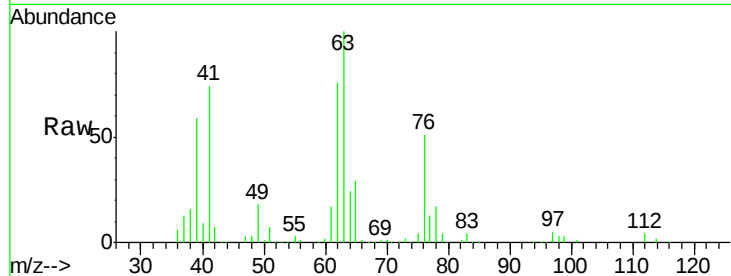
#45
1,2-Dichloropropane
Concen: 50.16 ug/l
RT: 7.36 min Scan# 725
Delta R.T. 0.01 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 63 Resp: 439164
Ion Ratio Lower Upper
63 100
65 29.2 24.0 36.0

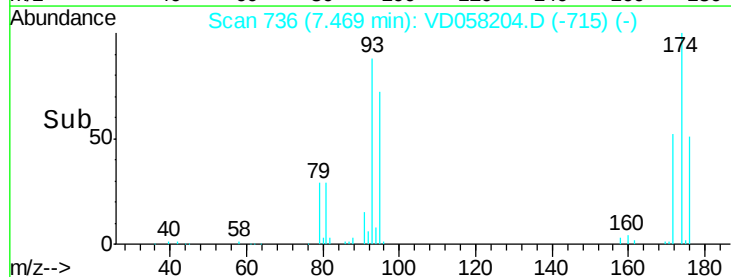
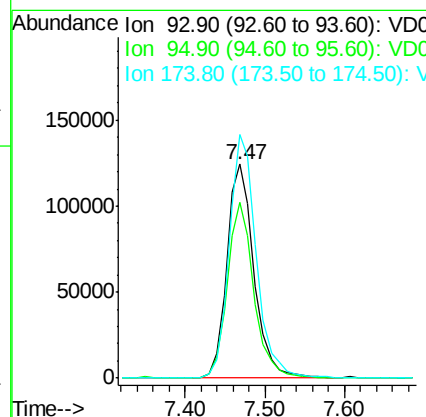
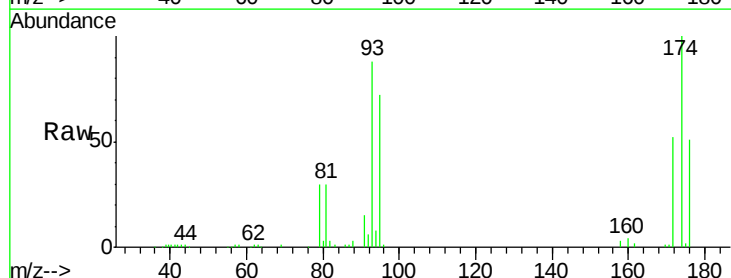
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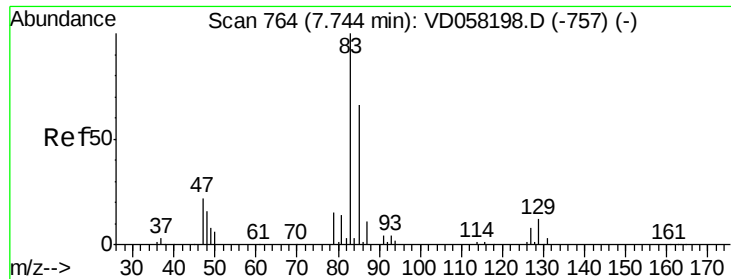
apatel
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#46
Dibromomethane
Concen: 49.70 ug/l
RT: 7.47 min Scan# 736
Delta R.T. 0.01 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Tgt Ion: 93 Resp: 297041
Ion Ratio Lower Upper
93 100
95 82.4 67.8 101.6
174 113.9 92.2 138.2





#47

Bromodichloromethane

Concen: 52.73 ug/l

RT: 7.74 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

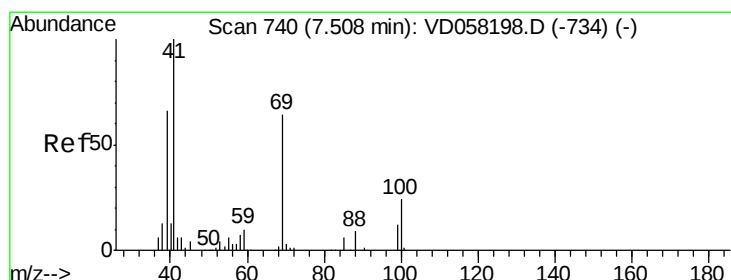
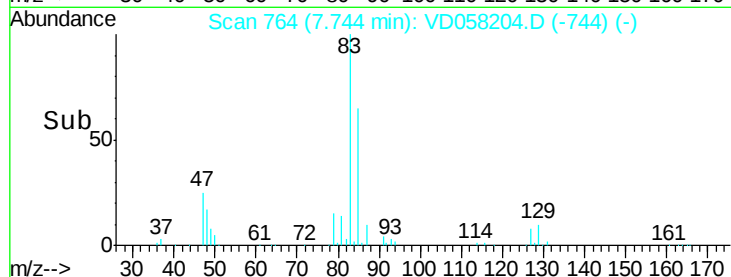
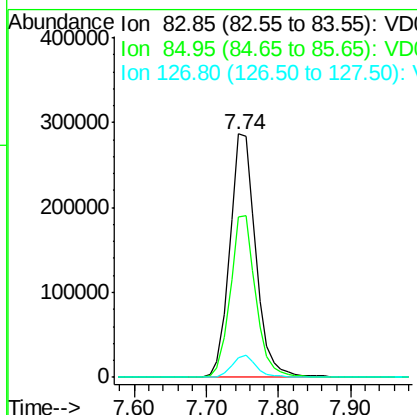
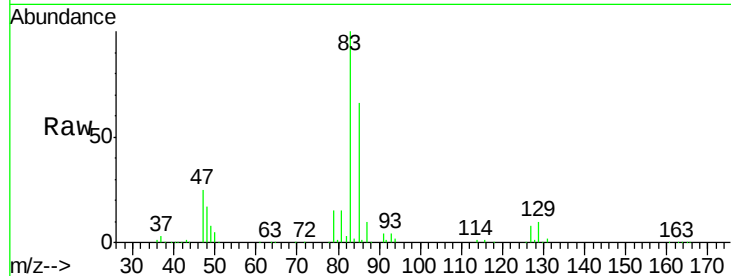
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	718780
Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.6	78.8
127	8.2	6.2	9.4

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#48

Methyl methacrylate

Concen: 48.40 ug/l

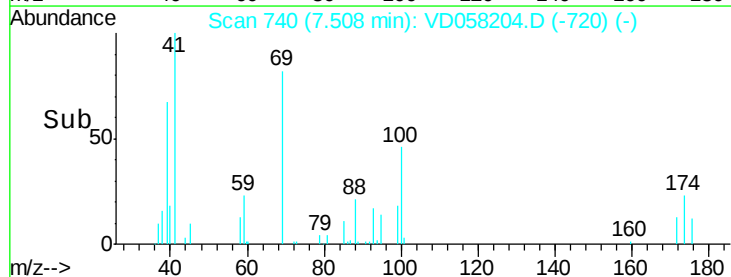
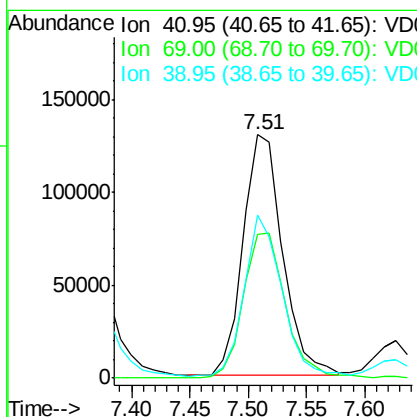
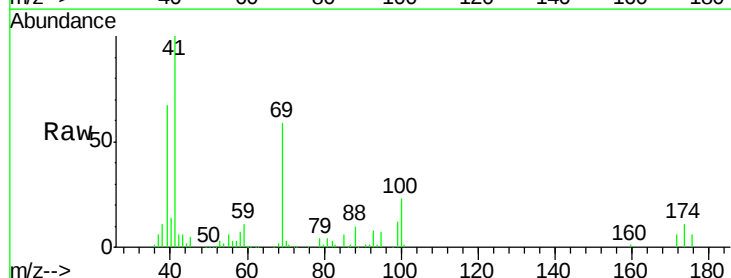
RT: 7.51 min Scan# 740

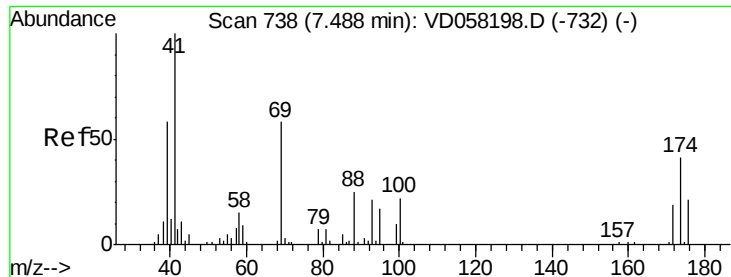
Delta R.T. 0.00 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Tgt Ion:	41	Resp:	304959
Ion	Ratio	Lower	Upper
41	100		
69	59.1	50.7	76.1
39	66.9	52.6	78.8





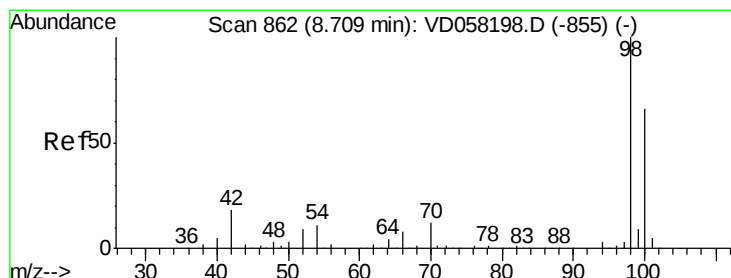
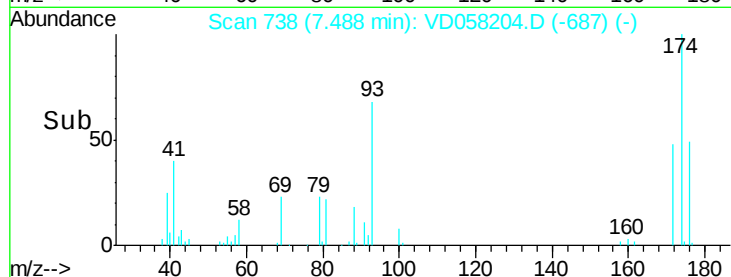
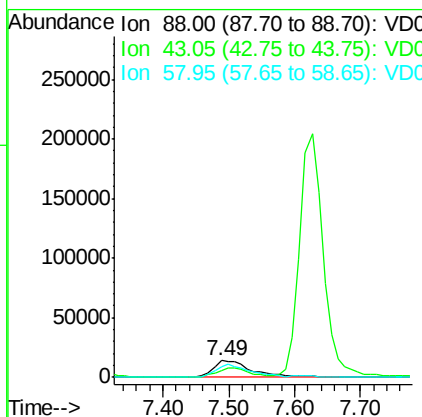
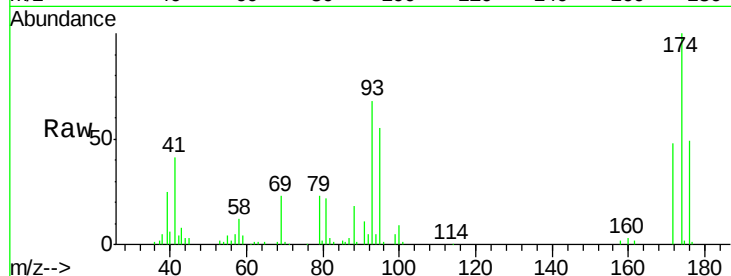
#49
1,4-Dioxane
Concen: 1026.40 ug/l
RT: 7.49 min Scan# 738
Delta R.T. 0.00 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	58379
Ion Ratio	100	Lower	Upper
43	42.3	34.2	51.2
58	64.1	47.9	71.9

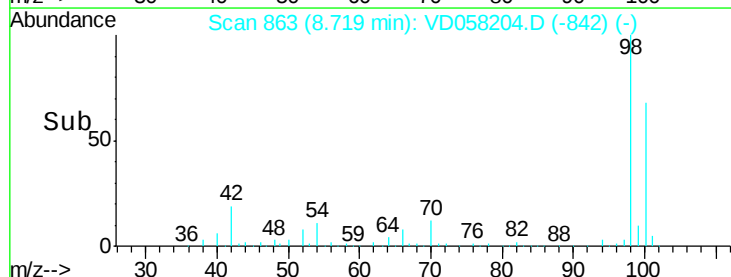
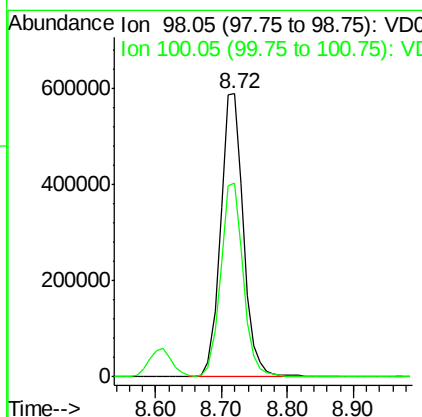
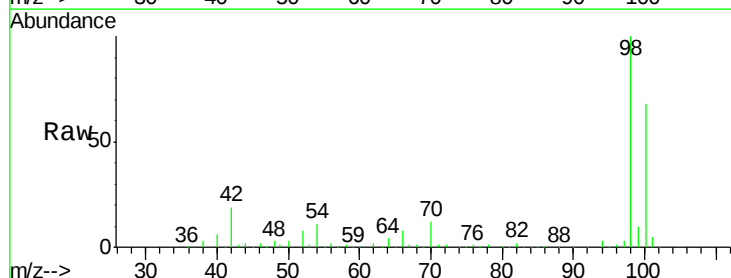
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#50
Toluene-d8
Concen: 1026.40 ug/l
RT: 8.72 min Scan# 863
Delta R.T. 0.01 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Tgt Ion	98	Resp	1421855
Ion Ratio	100	Lower	Upper
100	68.4	53.6	80.4





#51

4-Methyl-2-Pentanone

Concen: 232.77 ug/l

RT: 8.60 min Scan# 851

Delta R.T. 0.00 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1574060

Ion Ratio Lower Upper

43 100

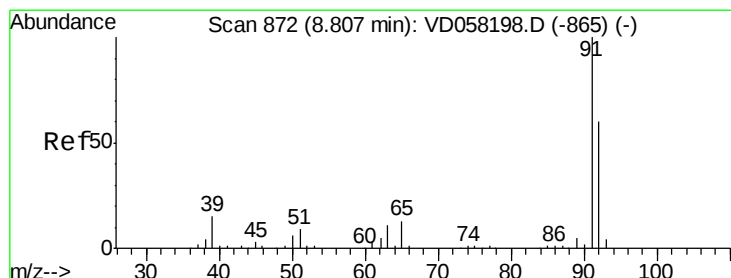
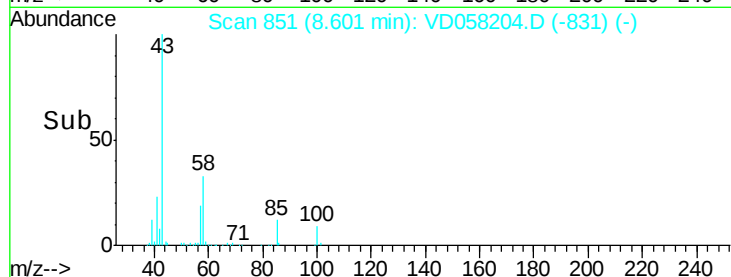
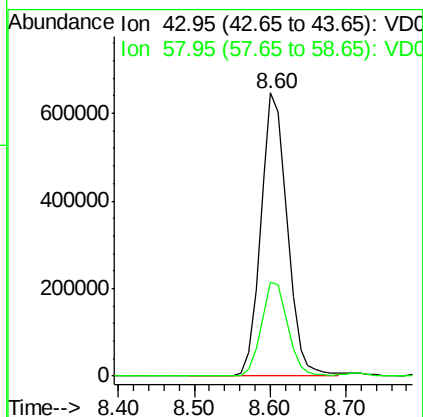
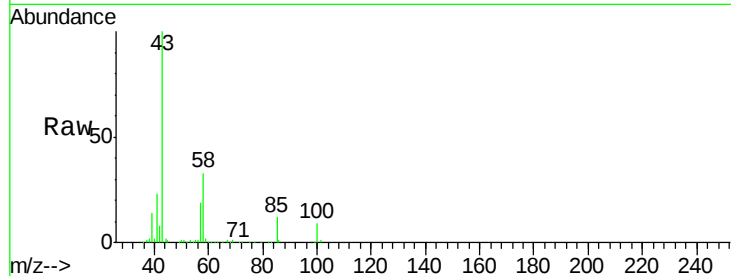
58 33.2 26.7 40.1

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#52

Toluene

Concen: 48.29 ug/l

RT: 8.81 min Scan# 872

Delta R.T. 0.00 min

Lab File: VD058204.D

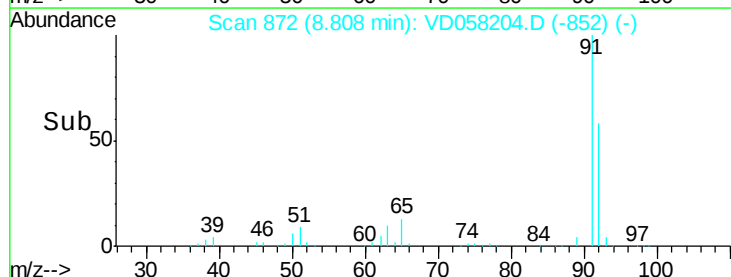
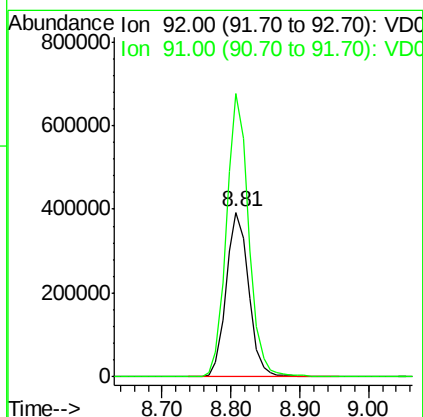
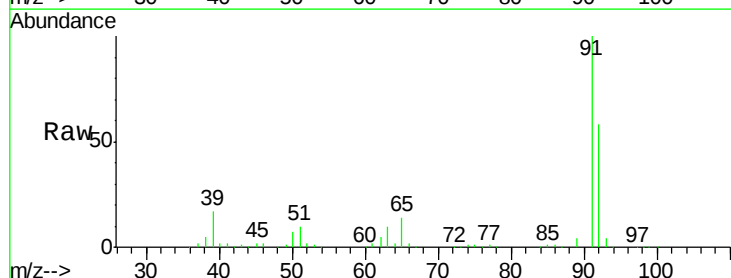
Acq: 20 Jun 2018 11:58

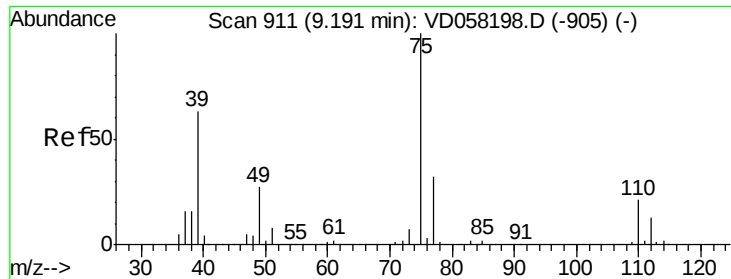
Tgt Ion: 92 Resp: 893908

Ion Ratio Lower Upper

92 100

91 171.7 133.2 199.8





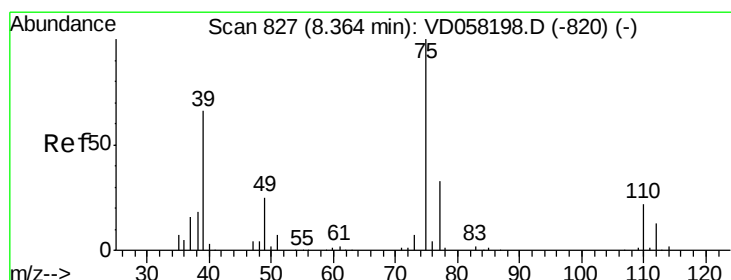
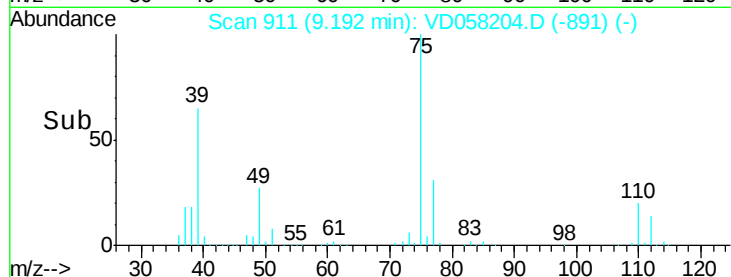
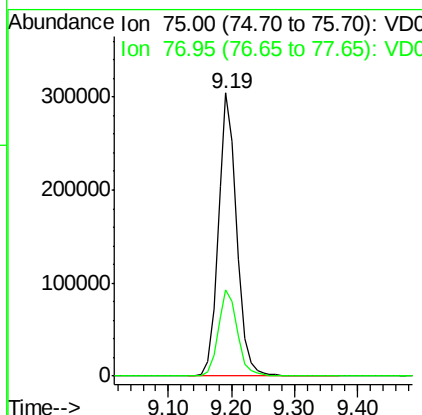
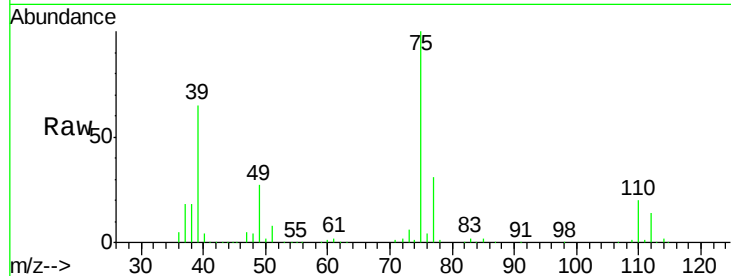
#53
 t-1,3-Dichloropropene
 Concen: 52.40 ug/l
 RT: 9.19 min Scan# 911
 Delta R.T. 0.00 min
 Lab File: VD058204.D
 Acq: 20 Jun 2018 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 620921
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.8 38.8

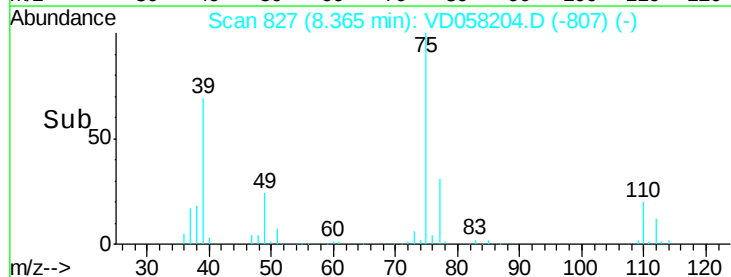
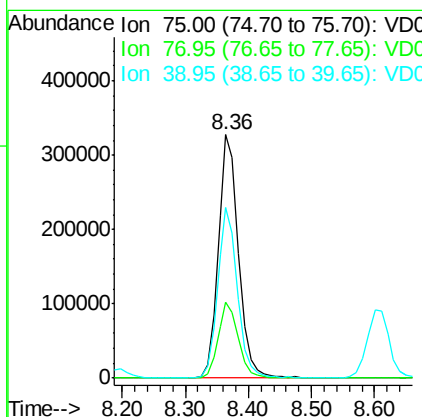
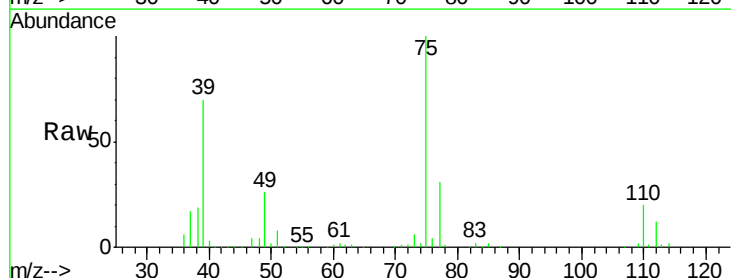
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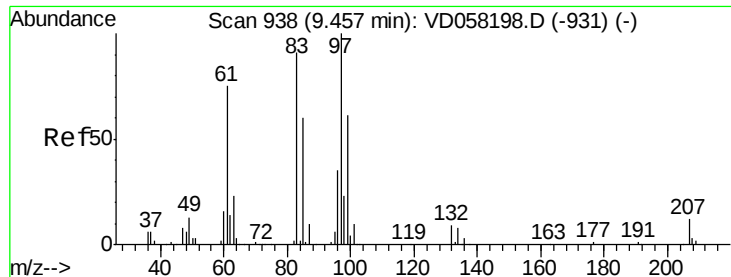
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#54
 cis-1,3-Dichloropropene
 Concen: 52.94 ug/l
 RT: 8.36 min Scan# 827
 Delta R.T. 0.00 min
 Lab File: VD058204.D
 Acq: 20 Jun 2018 11:58

Tgt Ion: 75 Resp: 735556
 Ion Ratio Lower Upper
 75 100
 77 31.0 26.5 39.7
 39 69.9 52.9 79.3





#55

1,1,2-Trichloroethane

Concen: 48.97 ug/l

RT: 9.46 min Scan# 938

Delta R.T. 0.00 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

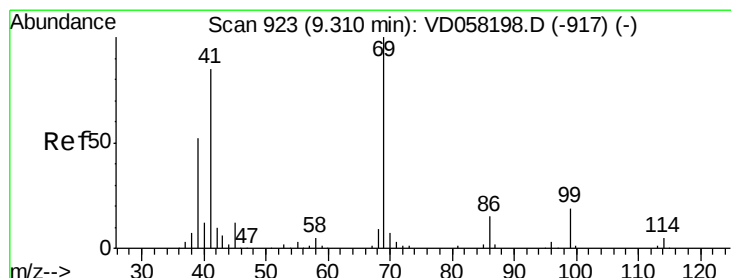
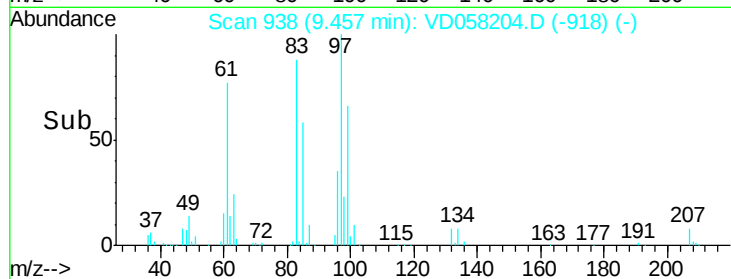
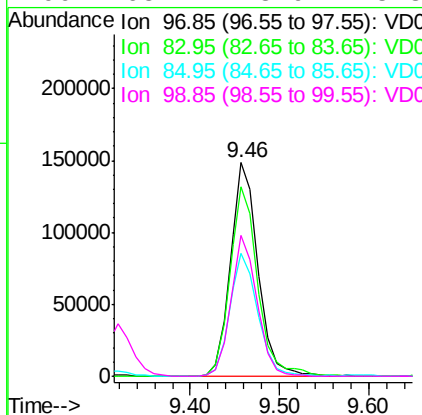
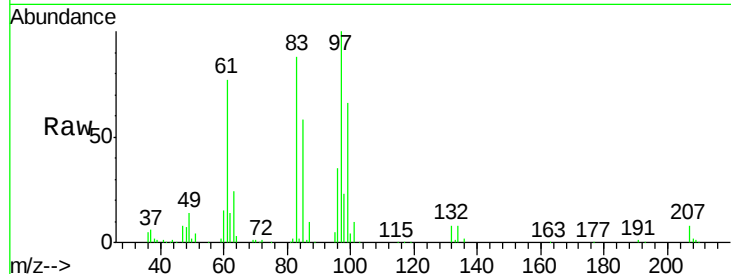
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	320760
Ion	Ratio	Lower	Upper
97	100		
83	88.4	72.9	109.3
85	57.8	48.2	72.4
99	65.7	48.9	73.3

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#56

Ethyl methacrylate

Concen: 49.78 ug/l

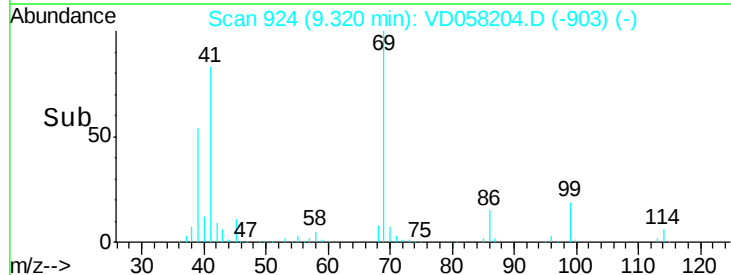
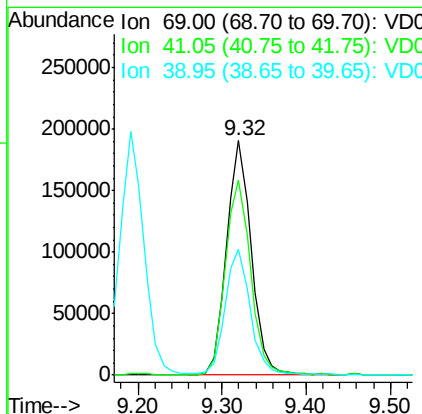
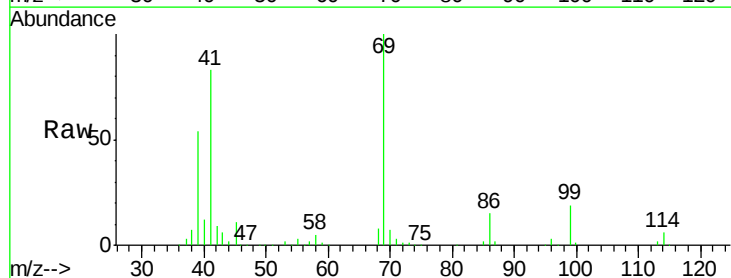
RT: 9.32 min Scan# 924

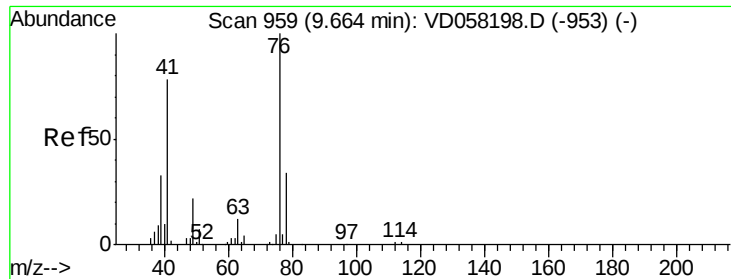
Delta R.T. 0.01 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Tgt Ion:	69	Resp:	389898
Ion	Ratio	Lower	Upper
69	100		
41	83.1	67.6	101.4
39	53.8	42.2	63.2





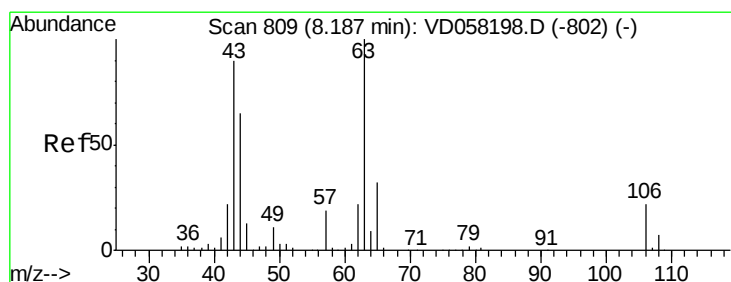
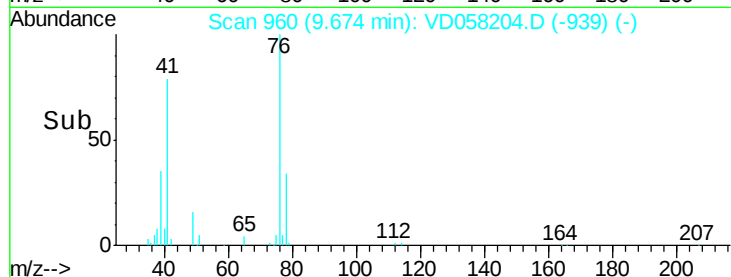
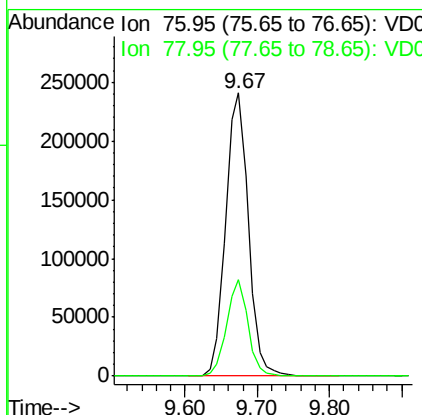
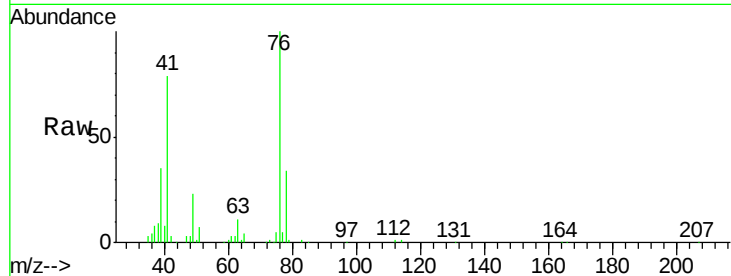
#57
 1,3-Dichloropropane
 Concen: 47.62 ug/l
 RT: 9.67 min Scan# 960
 Delta R.T. 0.01 min
 Lab File: VD058204.D
 Acq: 20 Jun 2018 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 525415
 Ion Ratio Lower Upper
 76 100
 78 34.2 27.0 40.6

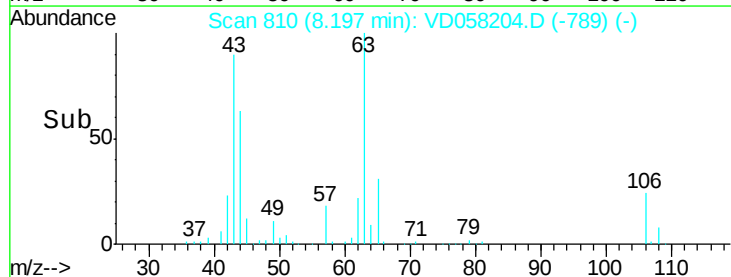
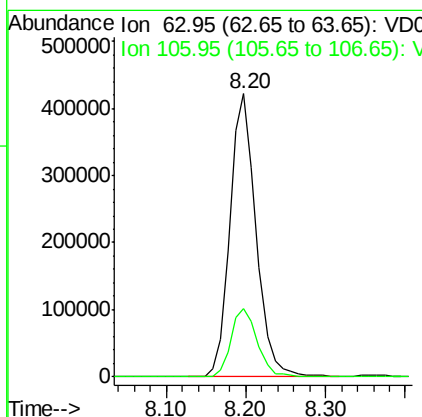
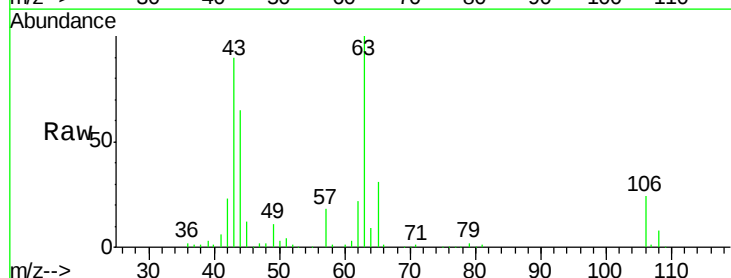
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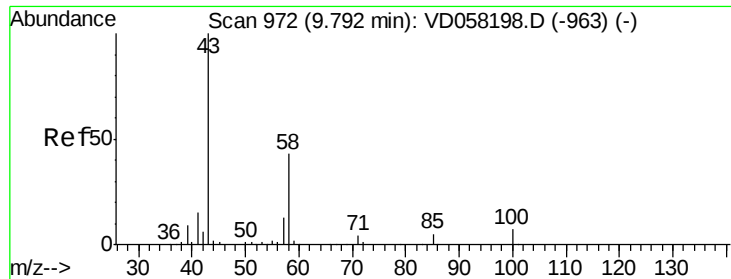
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#58
 2-Chloroethyl Vinyl ether
 Concen: 249.72 ug/l
 RT: 8.20 min Scan# 810
 Delta R.T. 0.01 min
 Lab File: VD058204.D
 Acq: 20 Jun 2018 11:58

Tgt Ion: 63 Resp: 968362
 Ion Ratio Lower Upper
 63 100
 106 24.0 18.0 27.0





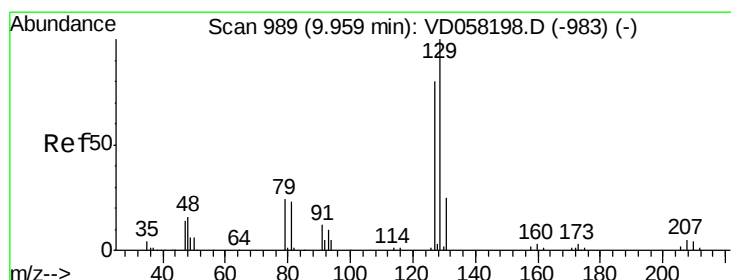
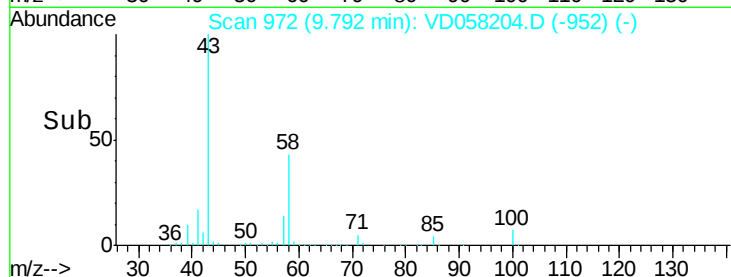
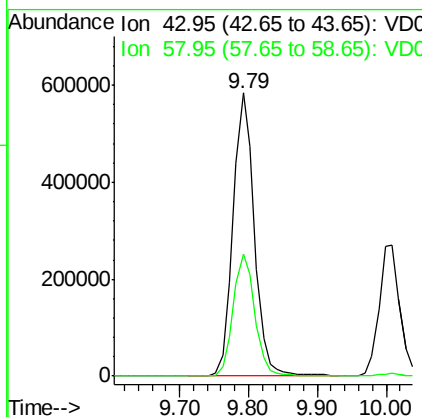
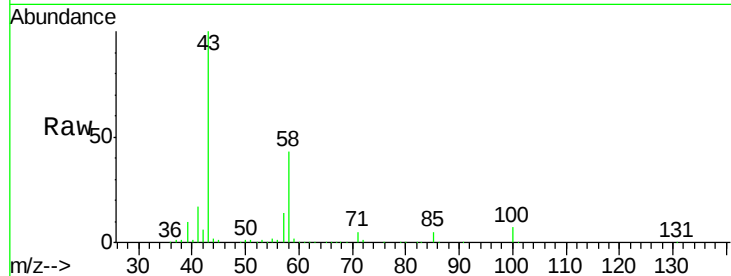
#59
2-Hexanone
Concen: 255.72 ug/l
RT: 9.79 min Scan# 972
Delta R.T. 0.00 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1249509
Ion Ratio Lower Upper
43 100
58 43.3 21.7 65.1

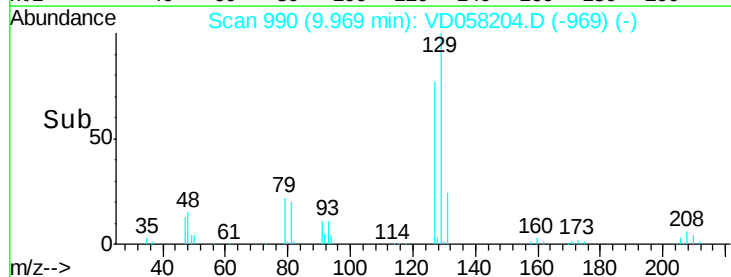
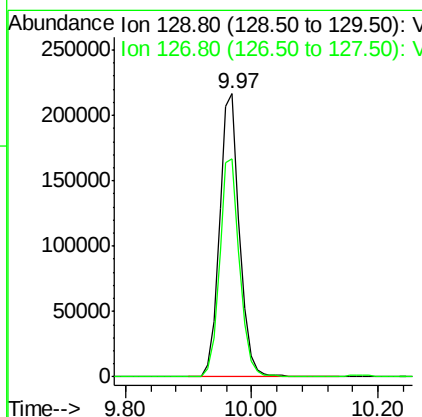
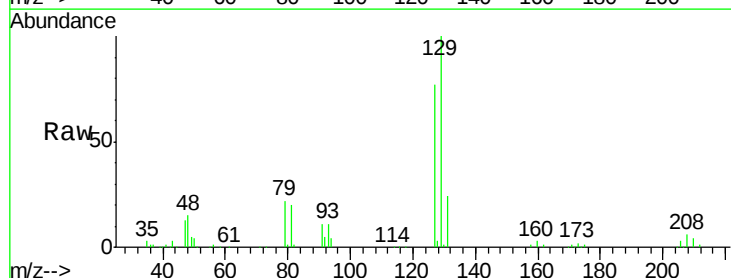
Manual Integrations
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6/21/2018 11:50:47 AM



#60
Dibromochloromethane
Concen: 53.74 ug/l
RT: 9.97 min Scan# 990
Delta R.T. 0.01 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Tgt Ion: 129 Resp: 477636
Ion Ratio Lower Upper
129 100
127 77.0 39.8 119.4





#61

1,2-Dibromoethane

Concen: 51.07 ug/l

RT: 10.10 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 366116

Ion Ratio Lower Upper

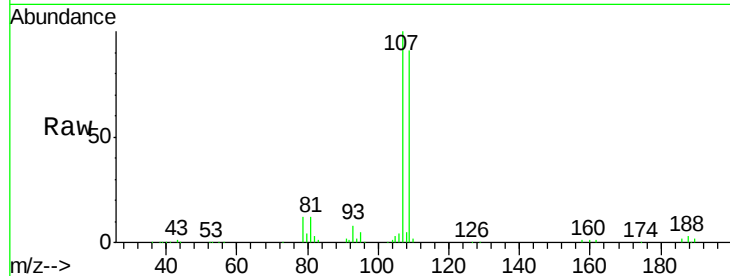
107 100

109 90.7 74.8 112.2

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.10

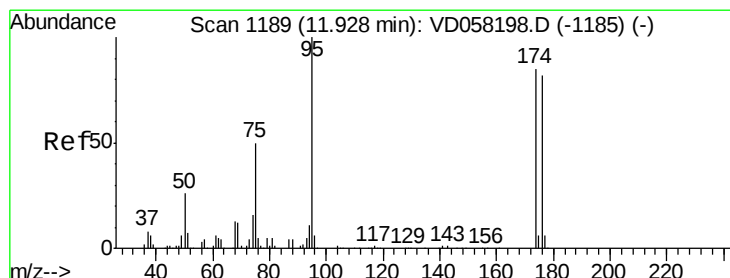
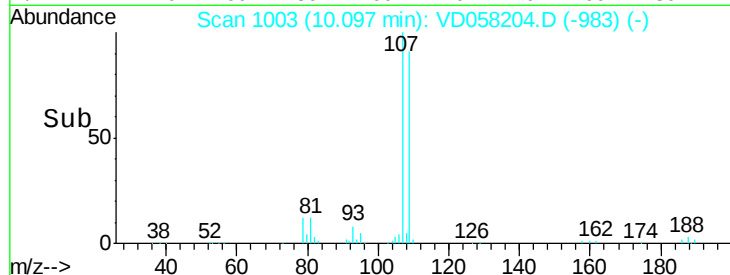
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.07 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

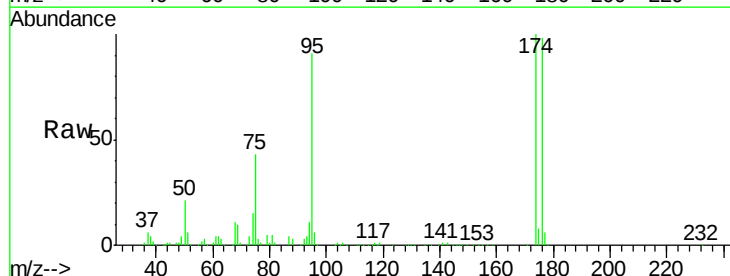
Tgt Ion: 95 Resp: 566123

Ion Ratio Lower Upper

95 100

174 110.5 0.0 170.2

176 108.1 0.0 164.6



Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

11.94

400000

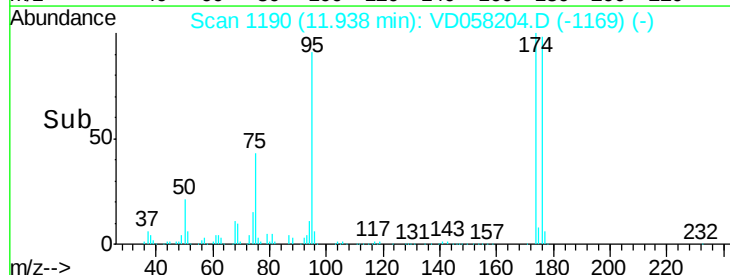
300000

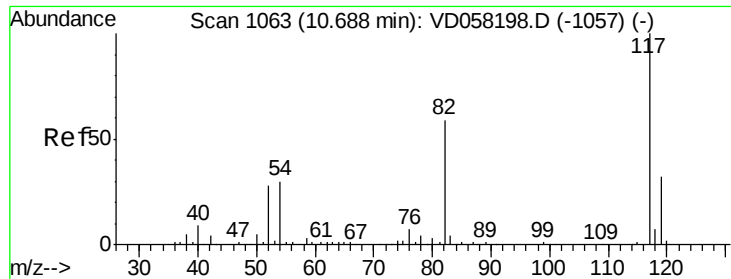
200000

100000

0

Time-->





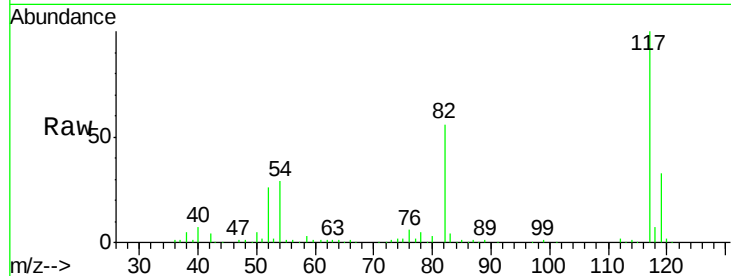
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

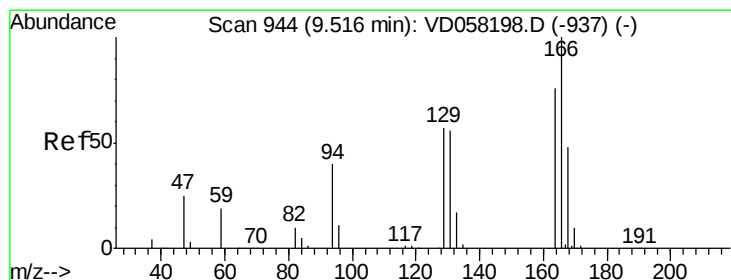
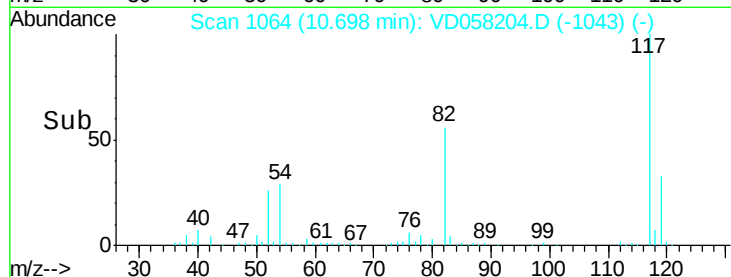
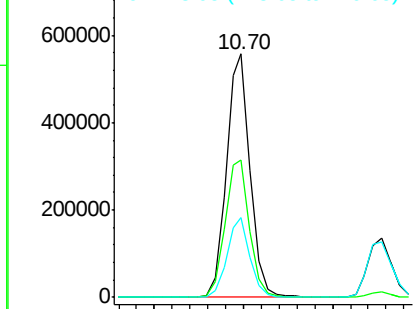
Tot Ion:117 Resp: 1039083
Ion Ratio Lower Upper
117 100
82 56.5 47.0 70.6
119 33.0 25.3 37.9

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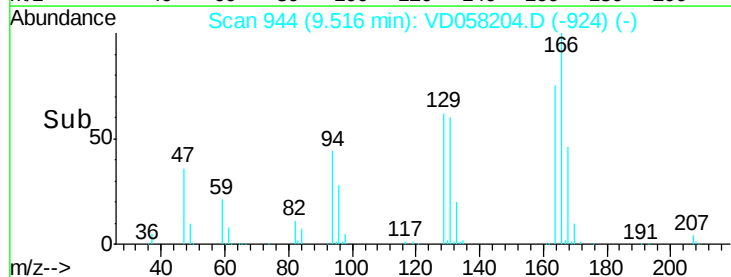
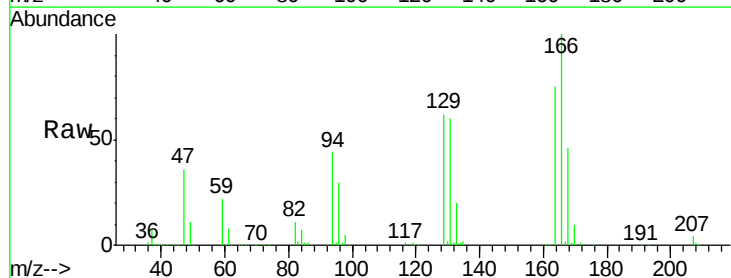
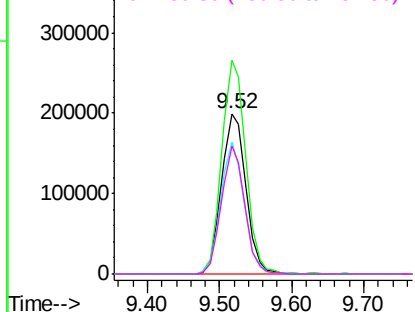
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

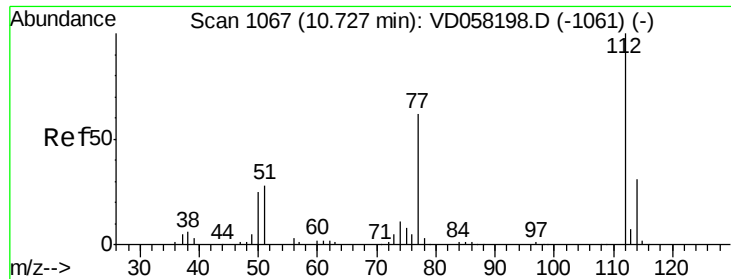


#64
Tetrachloroethene
Concen: 53.28 ug/l
RT: 9.52 min Scan# 944
Delta R.T. 0.00 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Tgt Ion:164 Resp: 465786
Ion Ratio Lower Upper
164 100
166 133.4 105.4 158.0
129 82.4 59.6 89.4
131 80.4 59.4 89.2

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





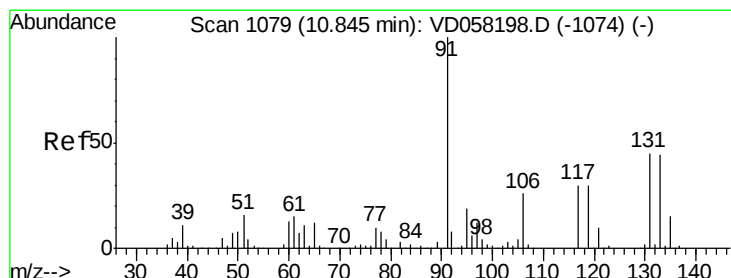
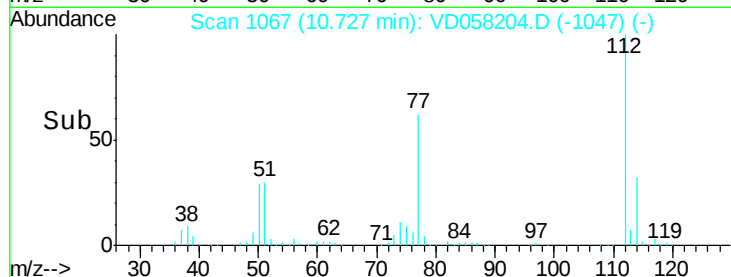
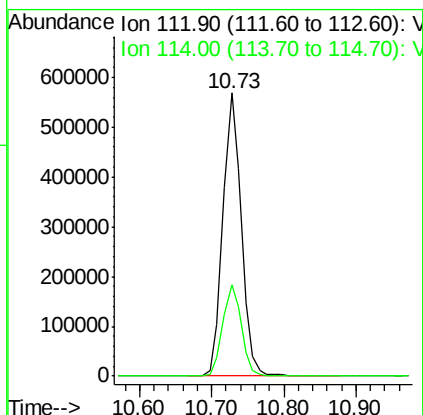
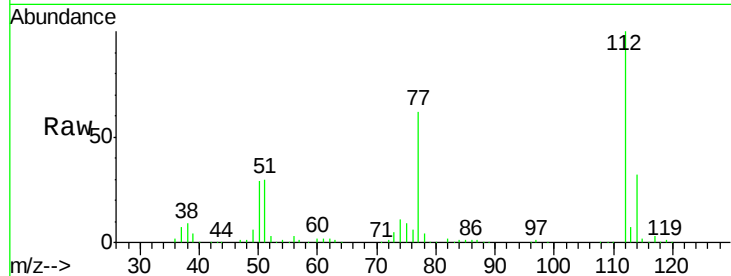
#65
Chlorobenzene
Concen: 51.57 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1002309
Ion Ratio Lower Upper
112 100
114 32.1 25.0 37.4

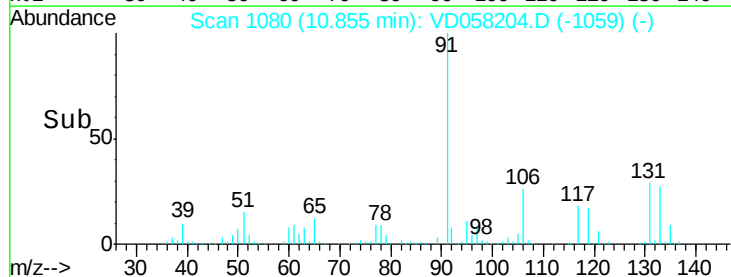
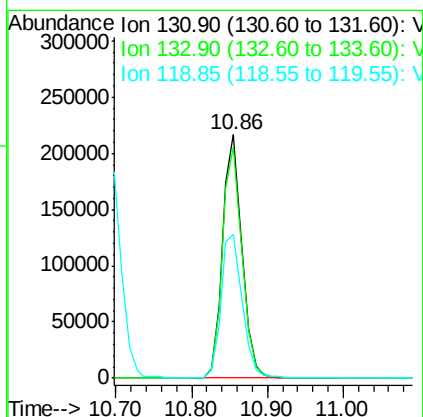
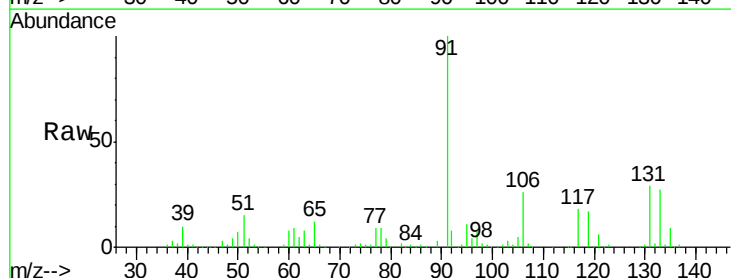
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.36 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Tgt Ion:131 Resp: 385201
Ion Ratio Lower Upper
131 100
133 94.9 48.6 145.9
119 59.2 33.0 99.0





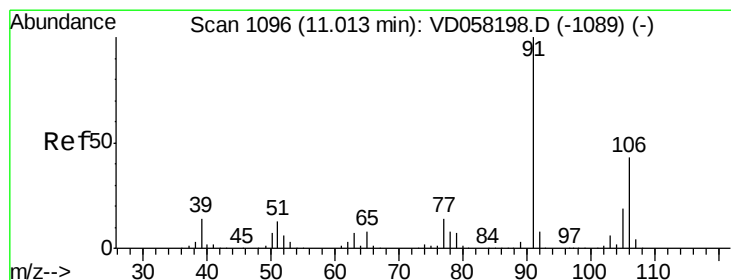
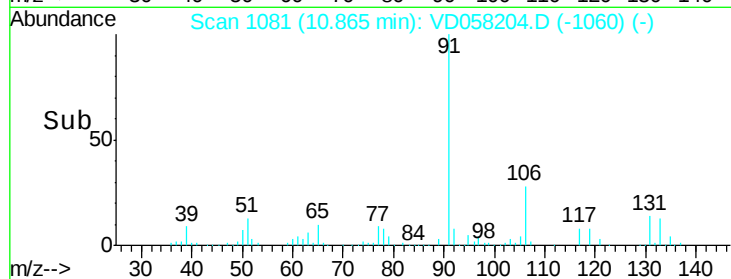
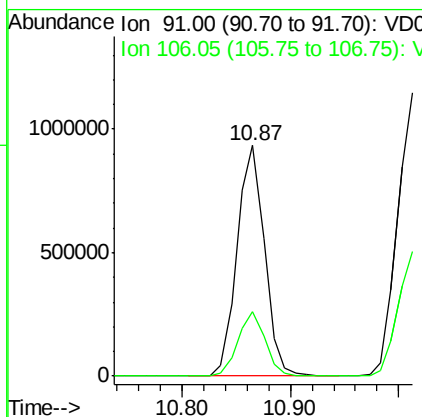
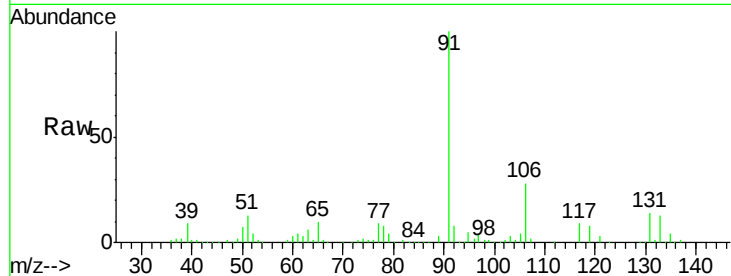
#67
Ethyl Benzene
Concen: 48.09 ug/l
RT: 10.87 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1650146
Ion Ratio Lower Upper
91 100
106 28.1 22.0 33.0

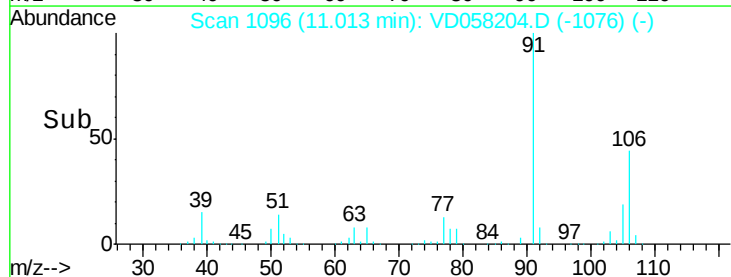
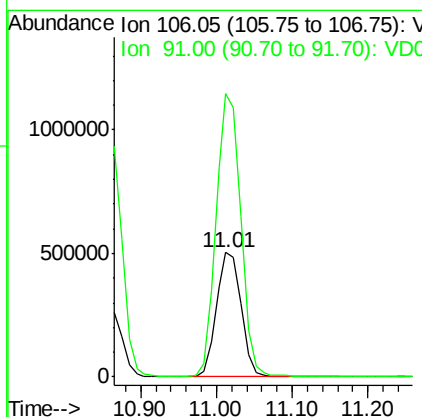
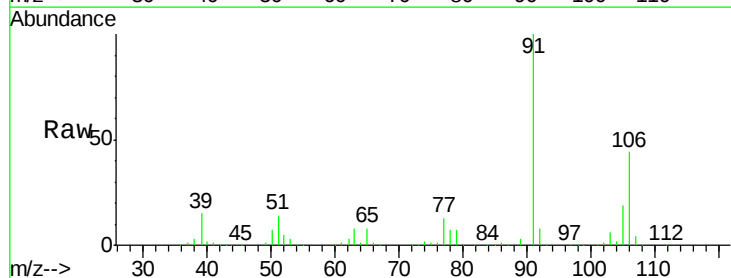
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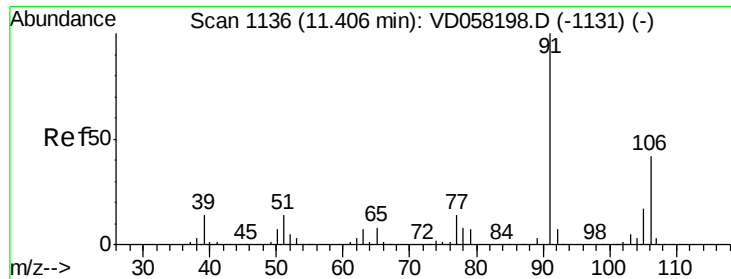
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#68
m/p-Xylenes
Concen: 100.17 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Tgt Ion: 106 Resp: 1146301
Ion Ratio Lower Upper
106 100
91 227.8 185.0 277.6





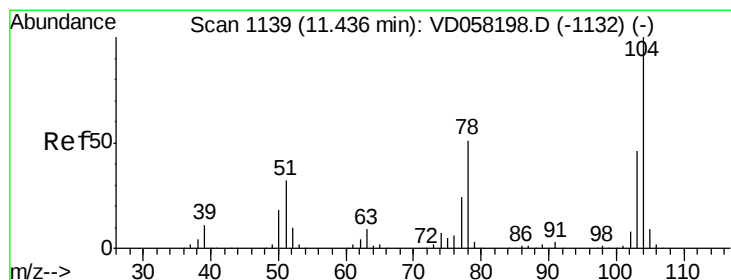
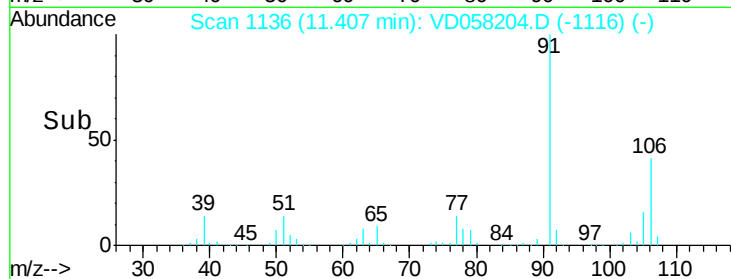
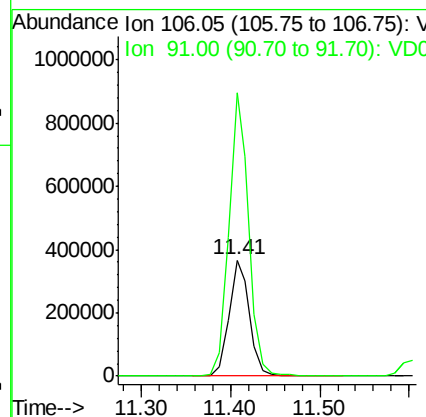
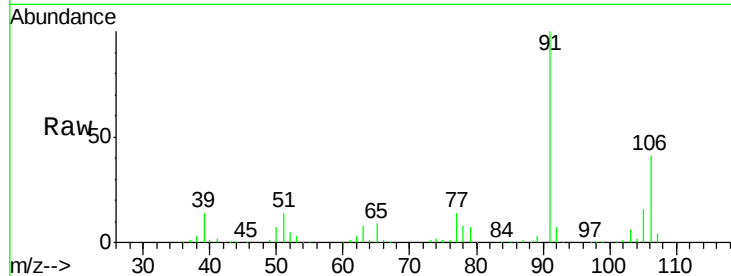
#69
o-Xylene
Concen: 54.15 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 591791
Ion Ratio Lower Upper
106 100
91 243.8 120.2 360.6

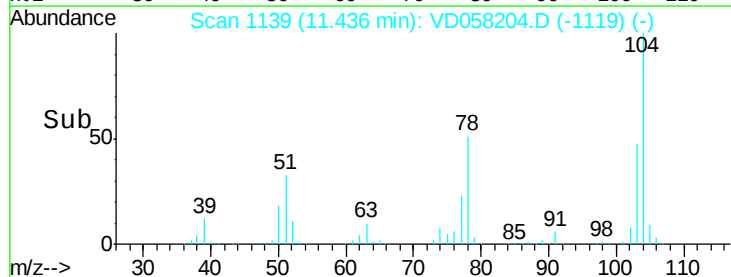
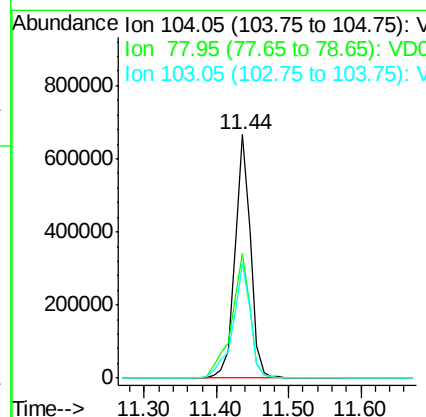
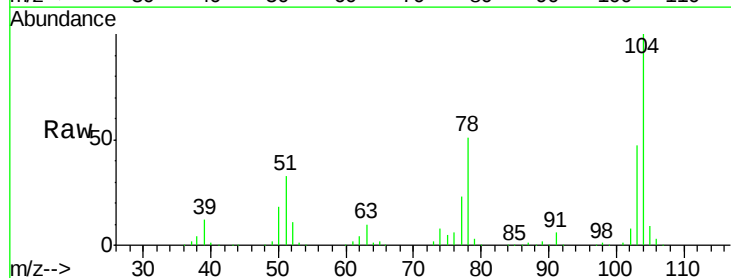
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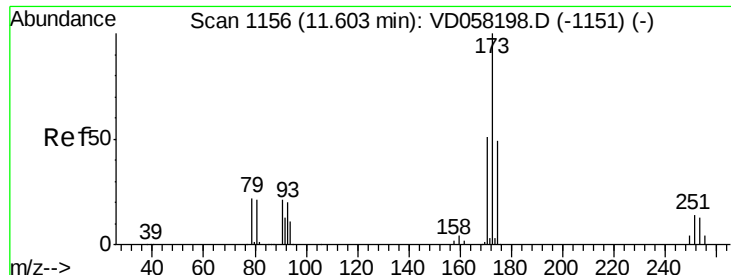
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#70
Styrene
Concen: 53.47 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Tgt Ion:104 Resp: 997222
Ion Ratio Lower Upper
104 100
78 51.0 40.8 61.2
103 46.9 37.0 55.6





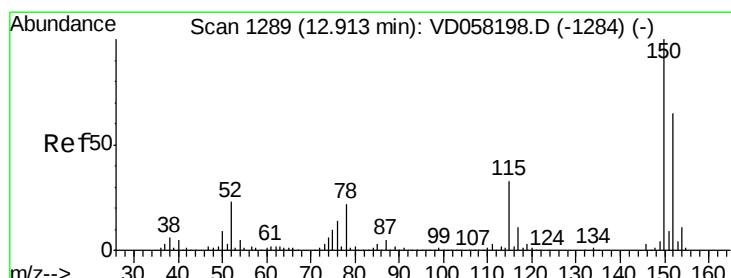
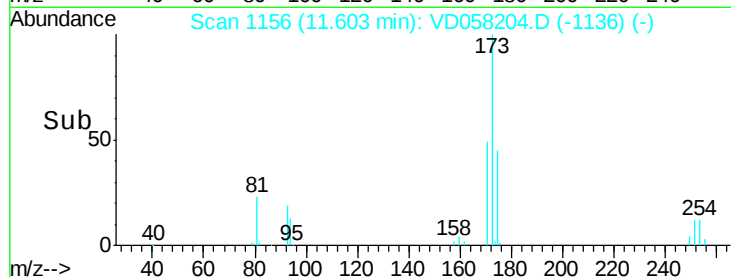
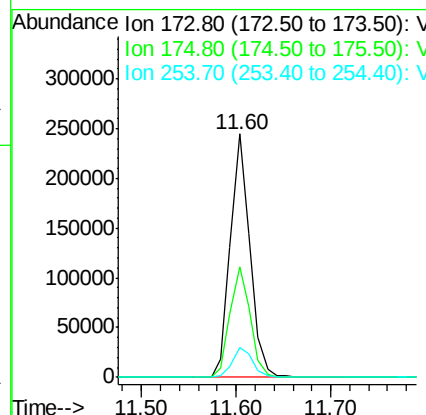
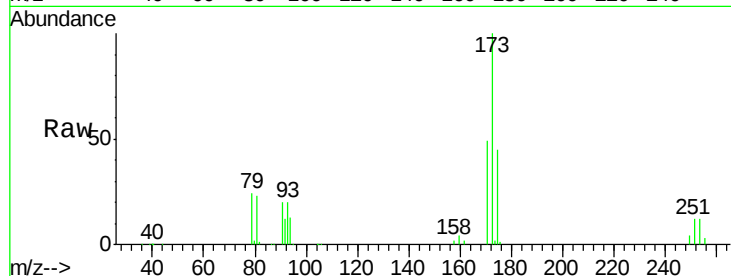
#71
Bromoform
Concen: 58.35 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. 0.00 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	45.5	24.6	74.0
254	12.0	10.3	15.5

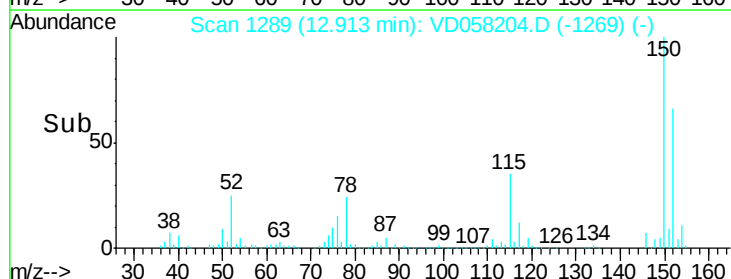
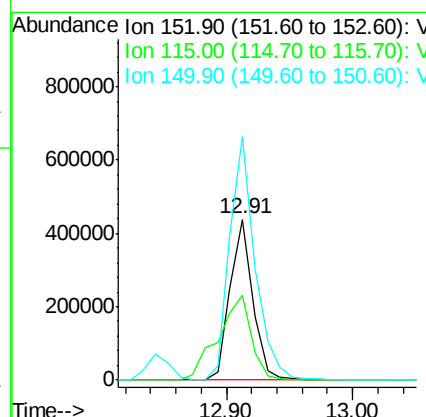
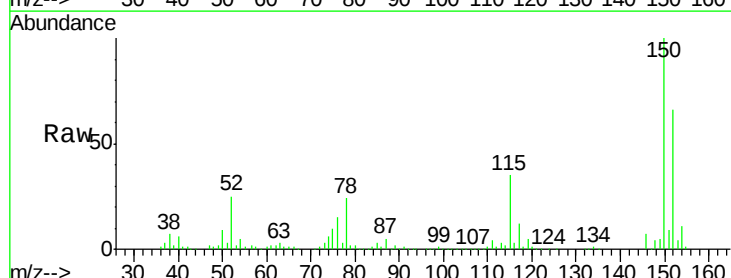
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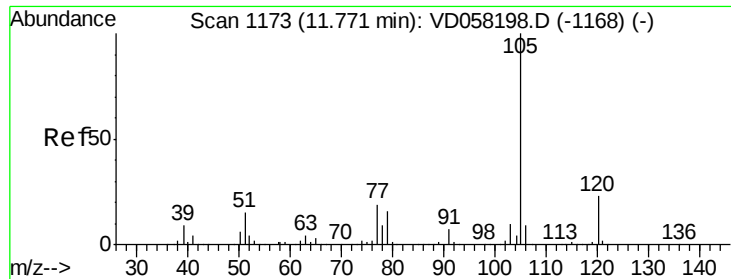
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.9	25.1	75.3
150	151.6	0.0	308.8





#73

Isopropylbenzene

Concen: 51.74 ug/l

RT: 11.78 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1681741

Ion Ratio Lower Upper

105 100

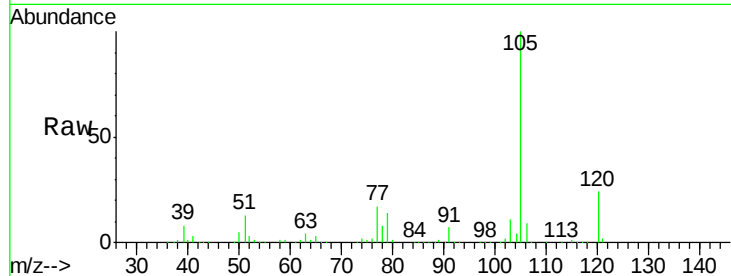
120 23.8 11.6 34.8

Manual Integrations

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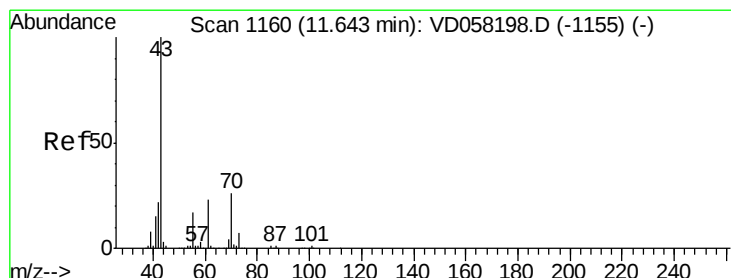
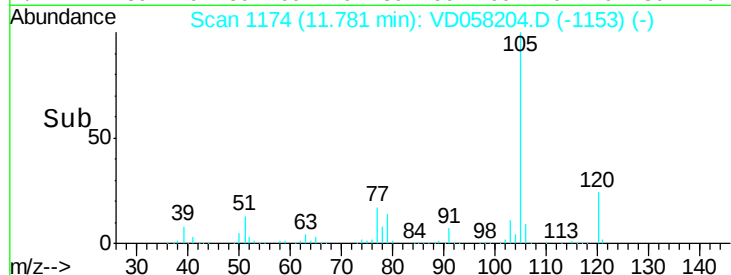
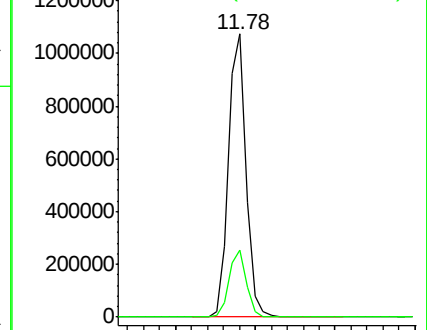
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 50.24 ug/l

RT: 11.65 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Tgt Ion: 43 Resp: 631405

Ion Ratio Lower Upper

43 100

70 28.2 20.9 31.3

55 18.1 13.5 20.3

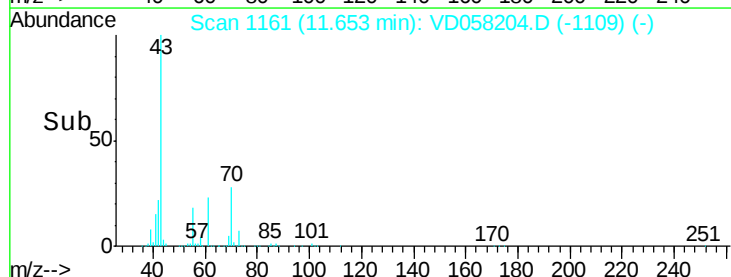
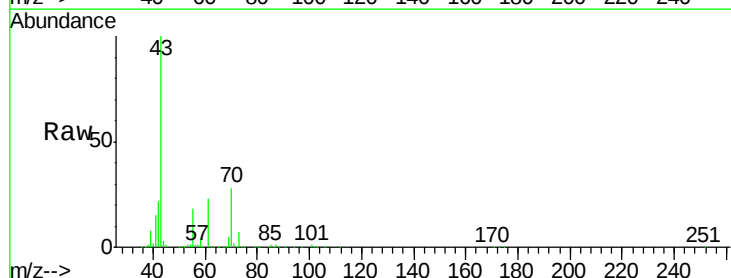
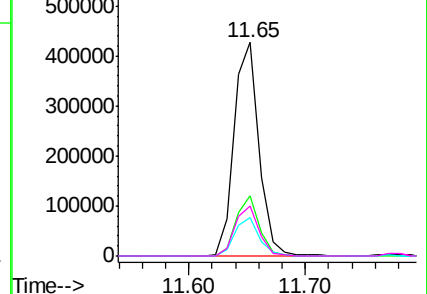
61 23.2 18.2 27.2

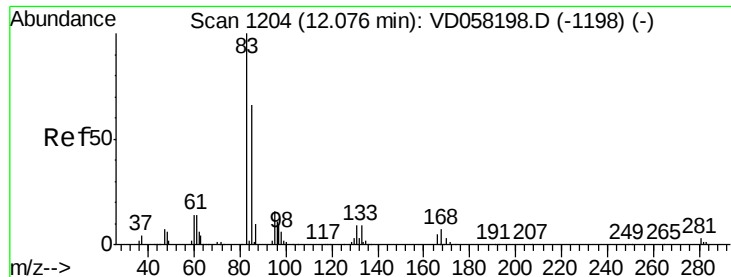
Abundance Ion 42.95 (42.65 to 43.65): VDC

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





#75

1,1,2,2-Tetrachloroethane

Concen: 48.68 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

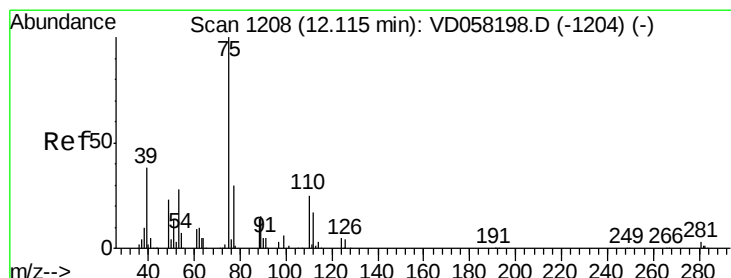
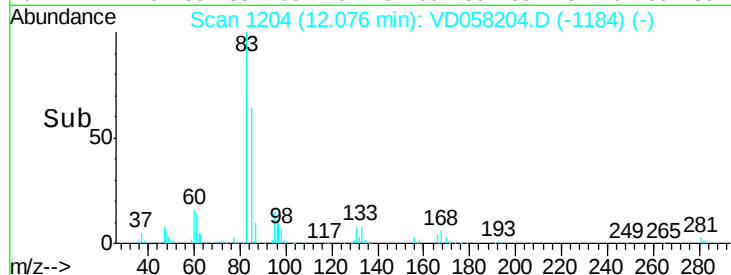
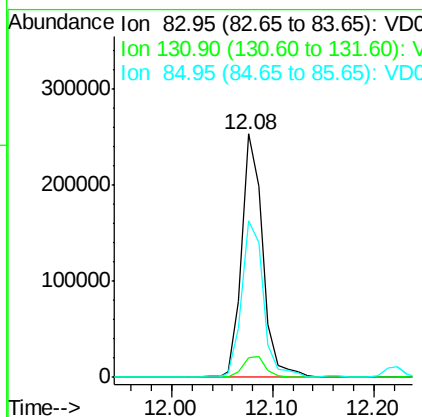
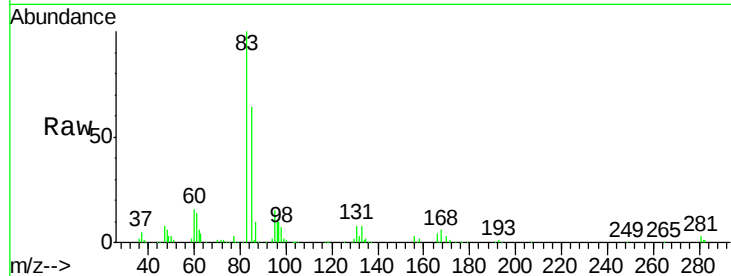
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	368201
Ion Ratio	Lower	Upper	
83	100		
131	8.2	4.8	14.3
85	64.2	33.1	99.5

Manual Integrations
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6/21/2018 11:50:47 AM



#76

1,2,3-Trichloropropane

Concen: 48.69 ug/l

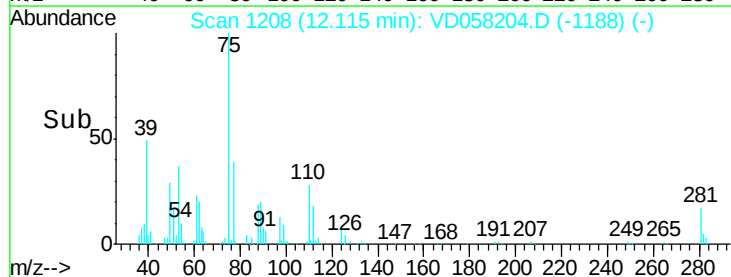
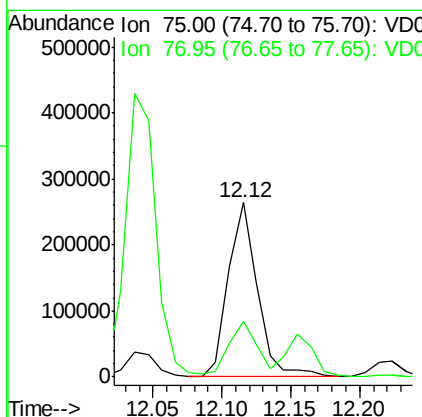
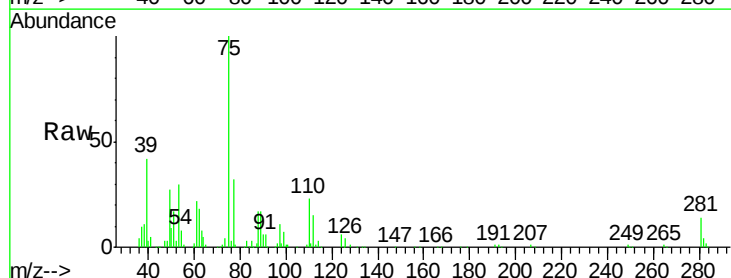
RT: 12.12 min Scan# 1208

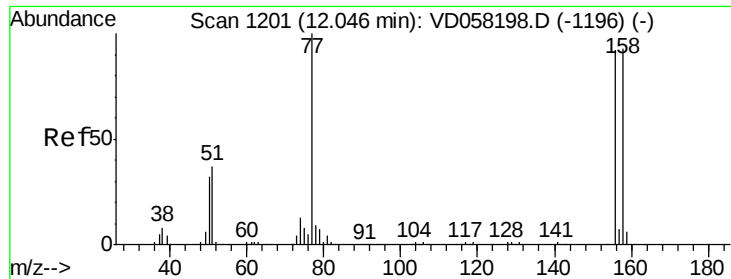
Delta R.T. 0.00 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Tgt Ion:	75	Resp:	386304
Ion Ratio	Lower	Upper	
75	100		
77	32.1	16.0	47.9





#77

Bromobenzene

Concen: 51.28 ug/l

RT: 12.05 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 499089

Ion Ratio Lower Upper

156 100

77 113.0 54.5 163.6

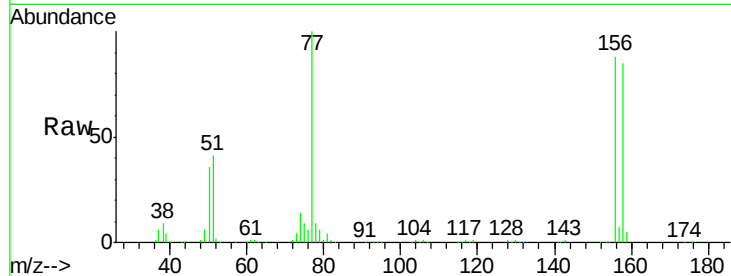
158 96.2 50.8 152.5

Manual Integrations

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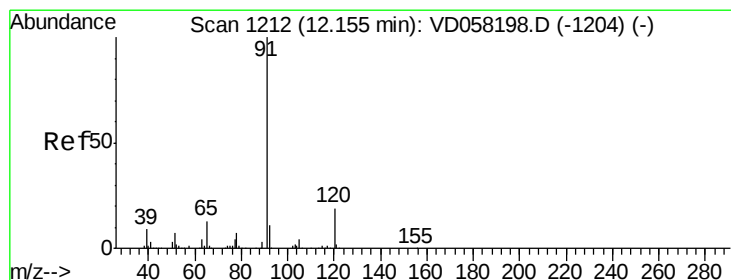
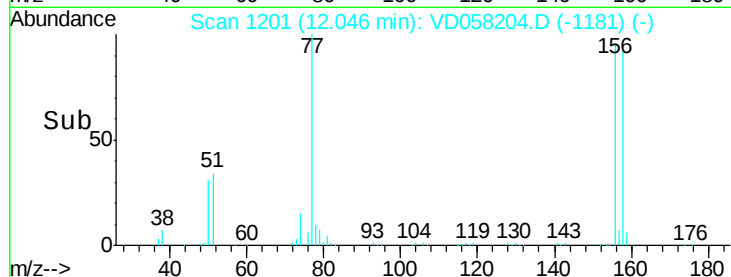
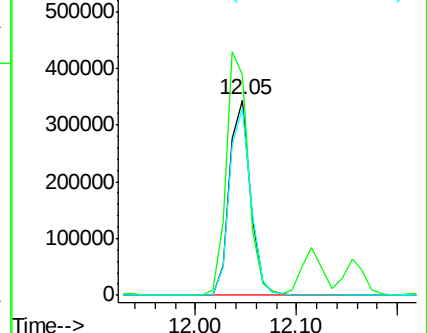
6/21/2018 11:50:47 AM



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: 49.67 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VD058204.D

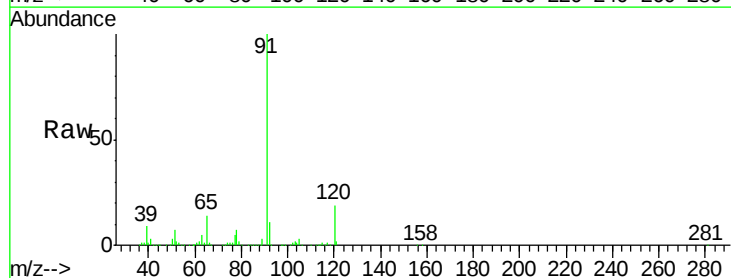
Acq: 20 Jun 2018 11:58

Tgt Ion: 91 Resp: 2084730

Ion Ratio Lower Upper

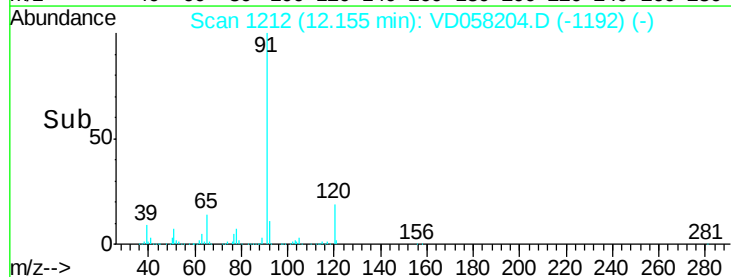
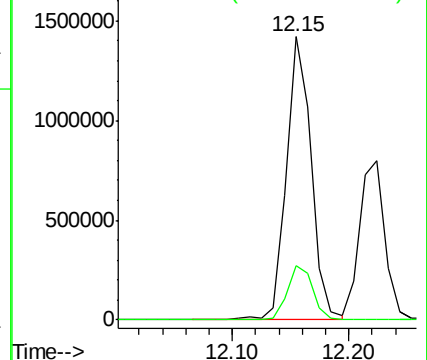
91 100

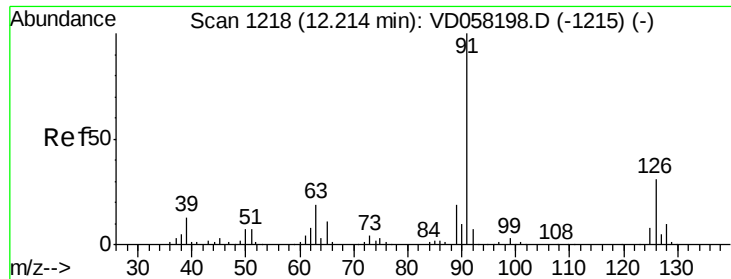
120 19.1 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 49.44 ug/l

RT: 12.22 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1187612

Ion Ratio Lower Upper

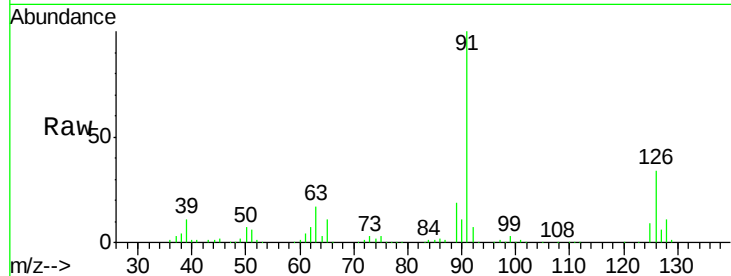
91 100

126 33.5 14.9 44.5

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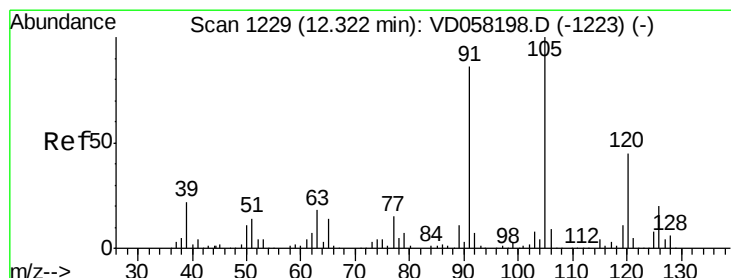
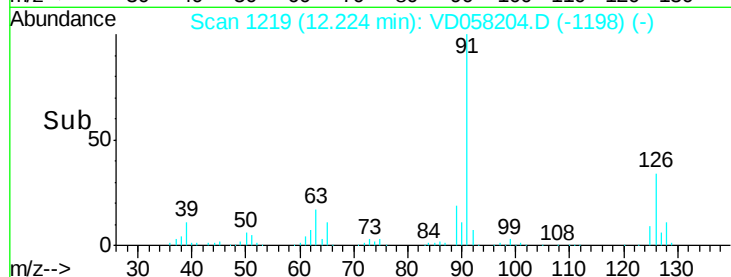
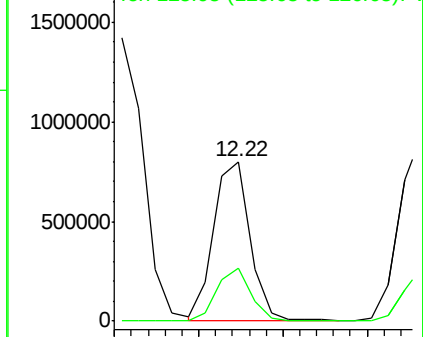
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 50.92 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VD058204.D

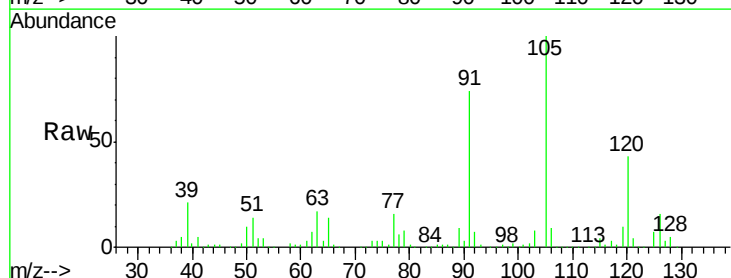
Acq: 20 Jun 2018 11:58

Tgt Ion:105 Resp: 1290864

Ion Ratio Lower Upper

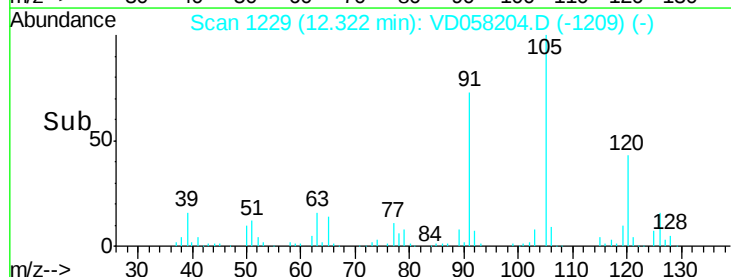
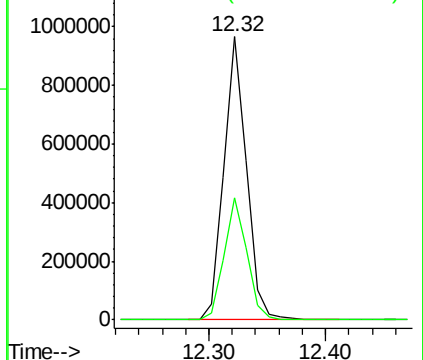
105 100

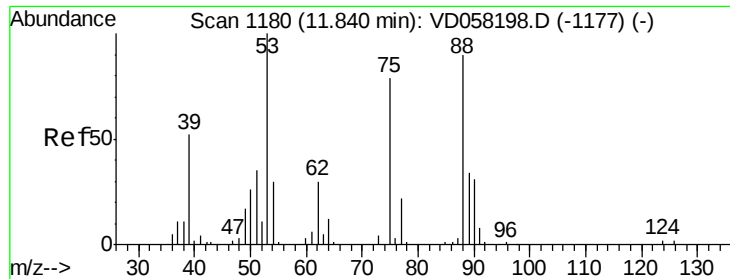
120 43.3 22.5 67.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 56.38 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 109089

Ion Ratio Lower Upper

75 100

53 106.7 100.8 151.2

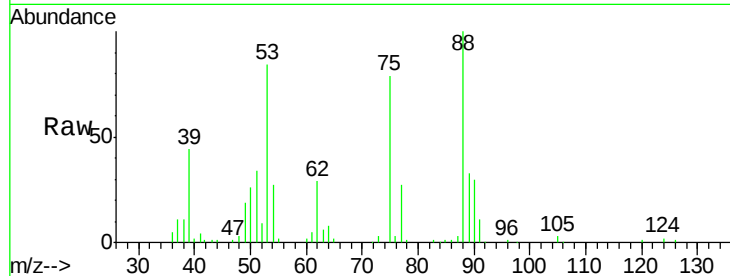
89 42.5 34.6 52.0

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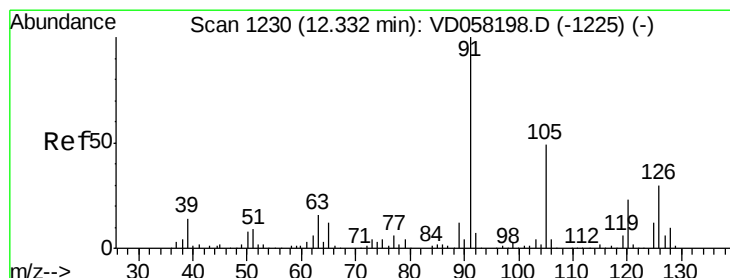
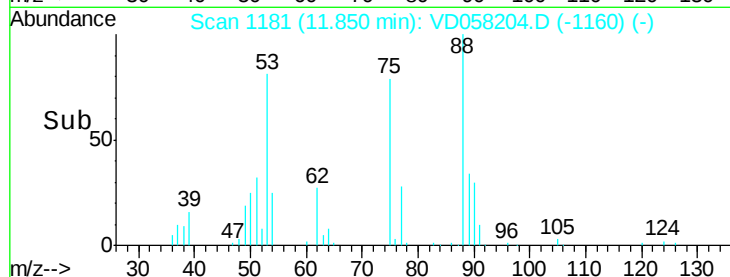
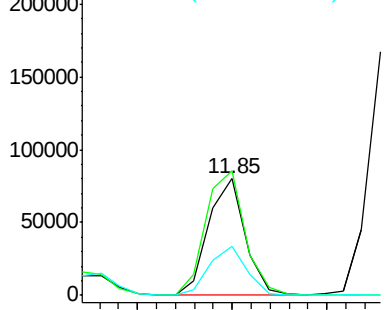
6/21/2018 11:50:47 AM



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 57.83 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VD058204.D

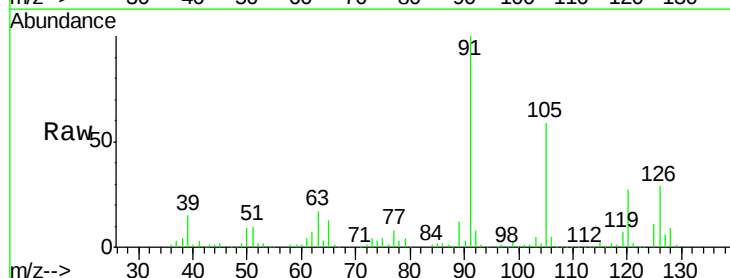
Acq: 20 Jun 2018 11:58

Tgt Ion: 91 Resp: 1333707

Ion Ratio Lower Upper

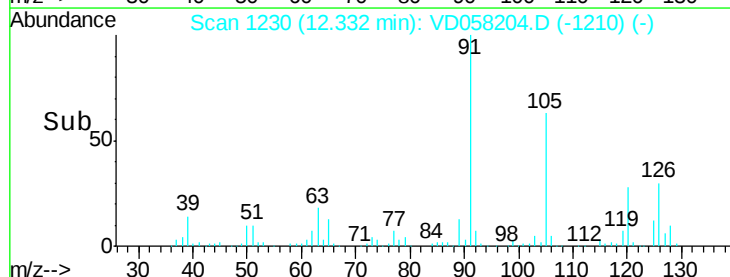
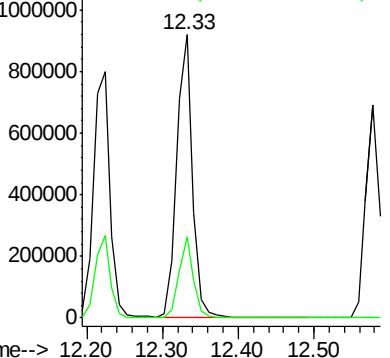
91 100

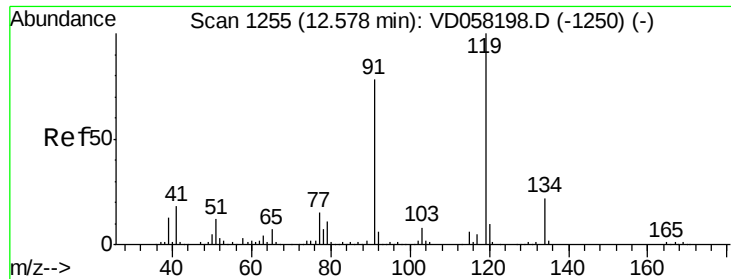
126 28.6 14.9 44.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





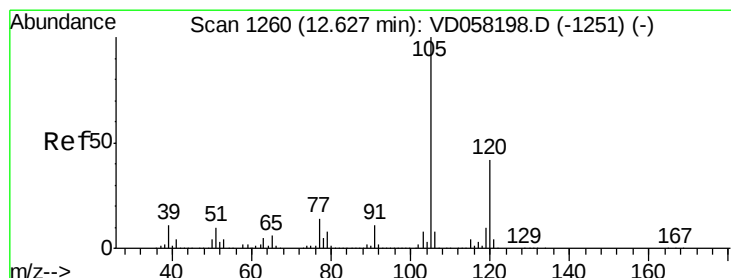
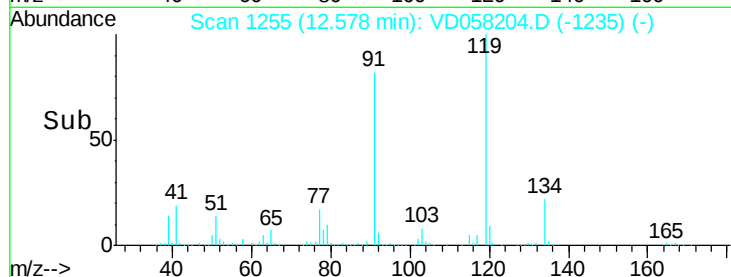
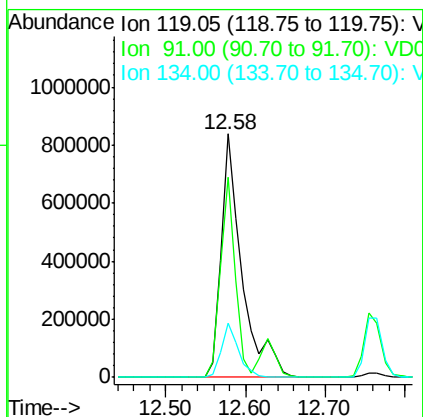
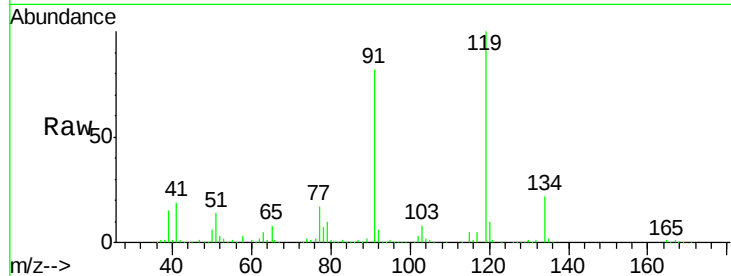
#83
tert-Butylbenzene
Concen: 53.10 ug/l
RT: 12.58 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 1547746
Ion Ratio Lower Upper
119 100
91 82.3 38.9 116.6
134 22.0 11.2 33.5

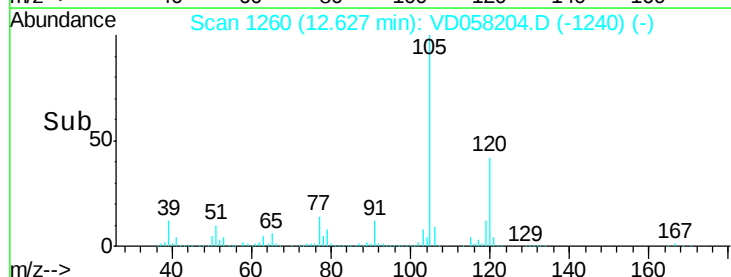
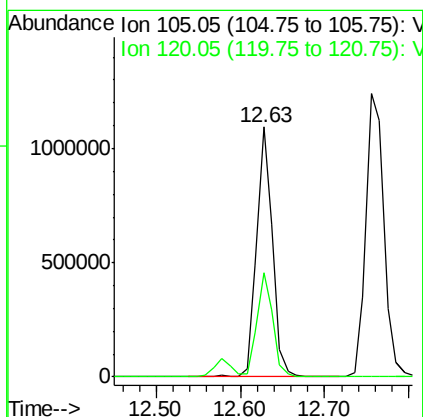
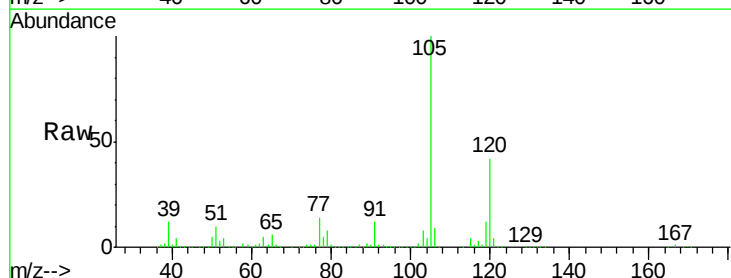
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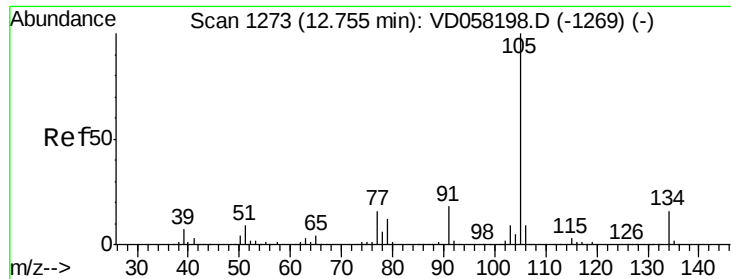
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#84
1,2,4-Trimethylbenzene
Concen: 52.86 ug/l
RT: 12.63 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Tgt Ion:105 Resp: 1456713
Ion Ratio Lower Upper
105 100
120 41.5 20.8 62.4





#85

sec-Butylbenzene

Concen: 53.93 ug/l

RT: 12.76 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1842372

Ion Ratio Lower Upper

105 100

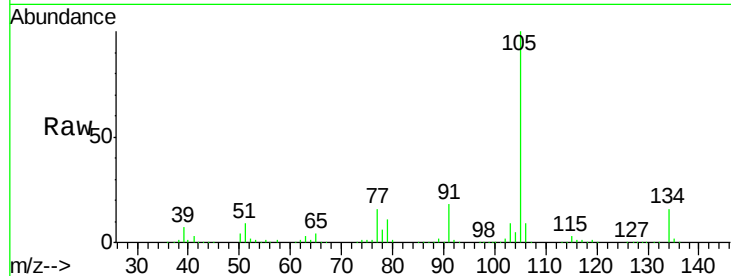
134 16.4 8.1 24.3

Manual Integrations

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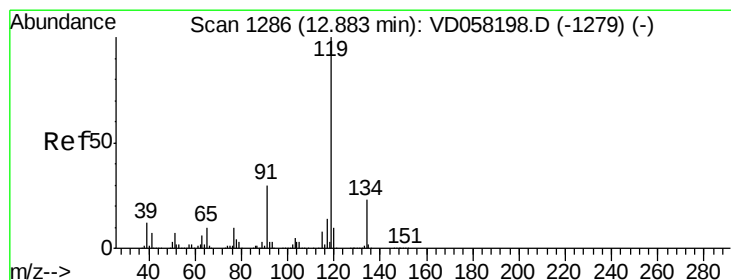
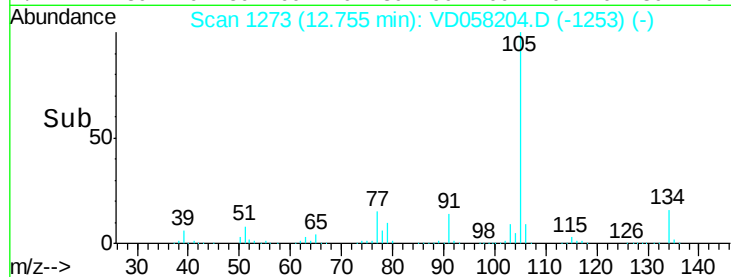
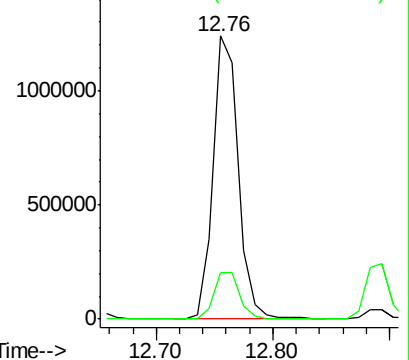
apatel

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 53.35 ug/l

RT: 12.89 min Scan# 1287

Delta R.T. 0.01 min

Lab File: VD058204.D

Acq: 20 Jun 2018 11:58

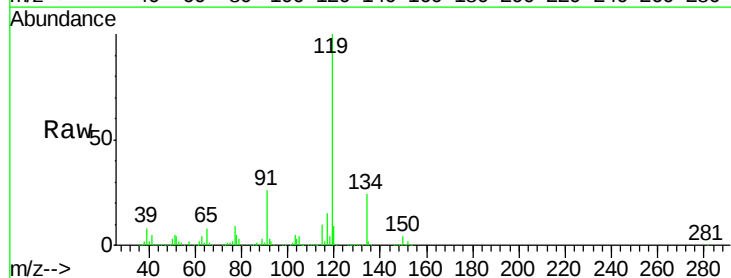
Tgt Ion:119 Resp: 1477132

Ion Ratio Lower Upper

119 100

134 24.5 11.6 34.8

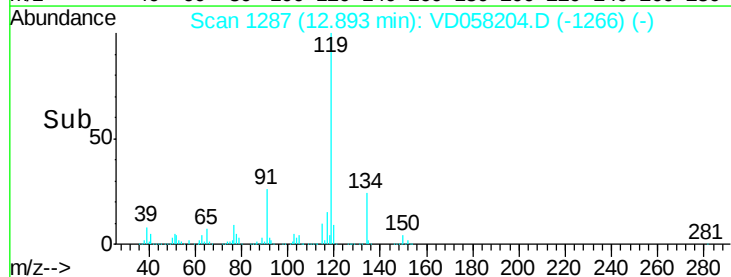
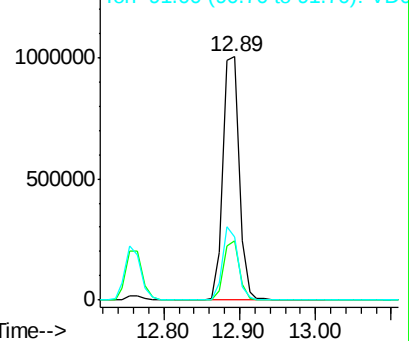
91 25.7 15.0 45.1

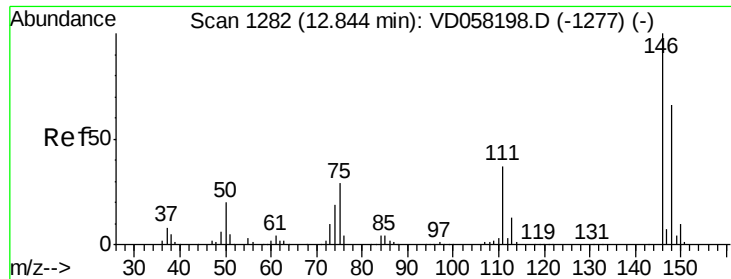


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





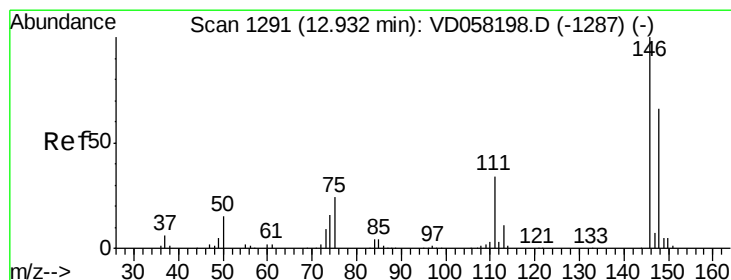
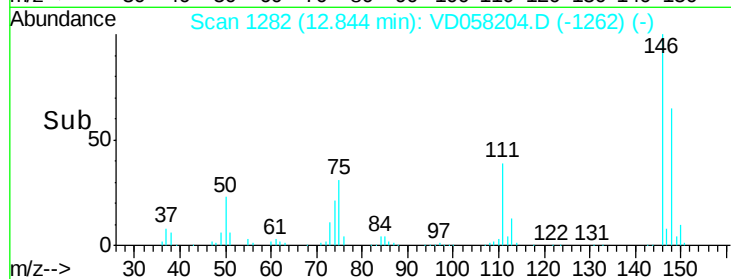
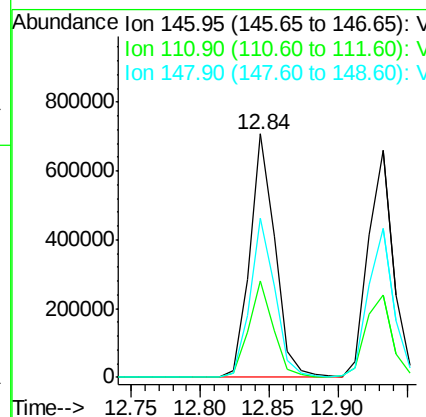
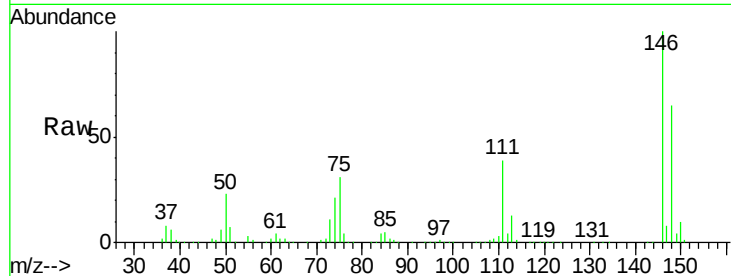
#87
 1,3-Dichlorobenzene
 Concen: 53.52 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD058204.D
 Acq: 20 Jun 2018 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	18.4	55.0
148	65.5	32.8	98.4

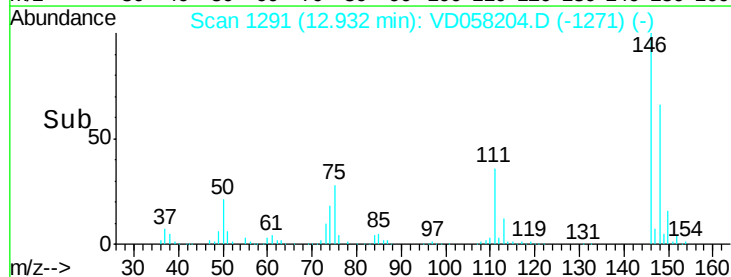
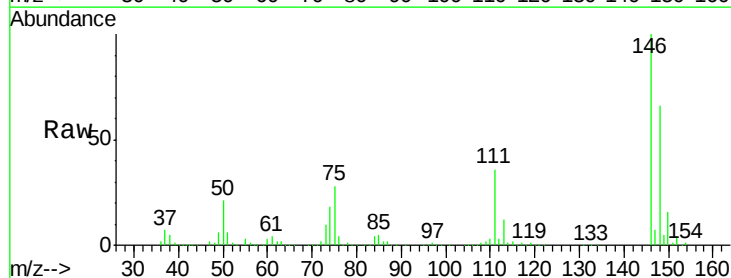
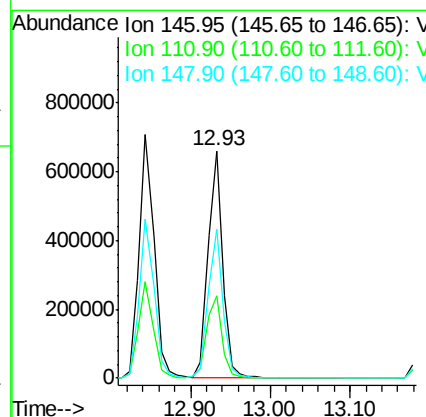
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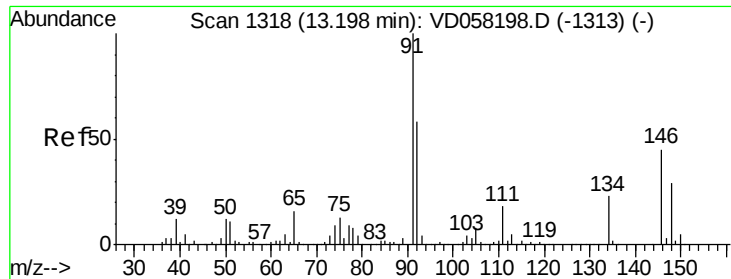
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#88
 1,4-Dichlorobenzene
 Concen: 50.96 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD058204.D
 Acq: 20 Jun 2018 11:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	17.2	51.5
148	65.5	33.1	99.3





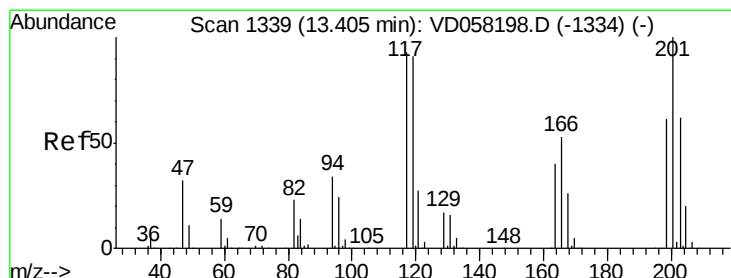
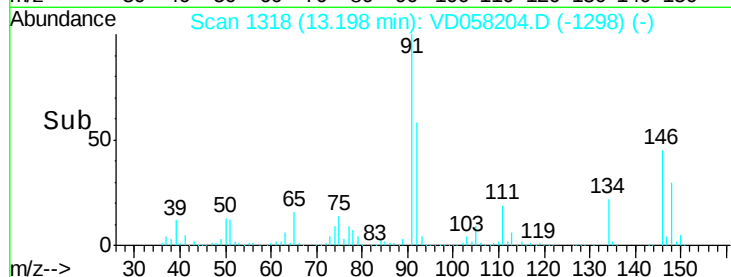
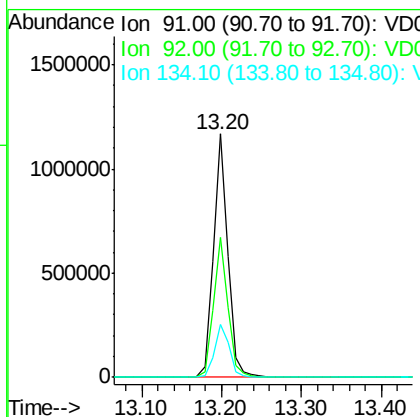
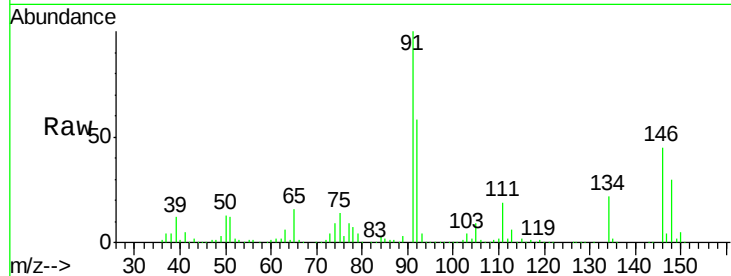
#89
n-Butylbenzene
Concen: 50.99 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1483752
Ion Ratio Lower Upper
91 100
92 57.5 29.2 87.6
134 21.8 11.3 33.8

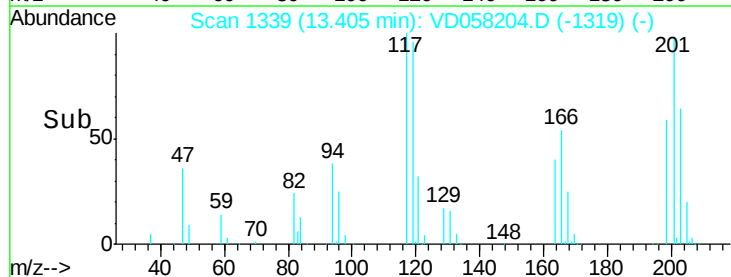
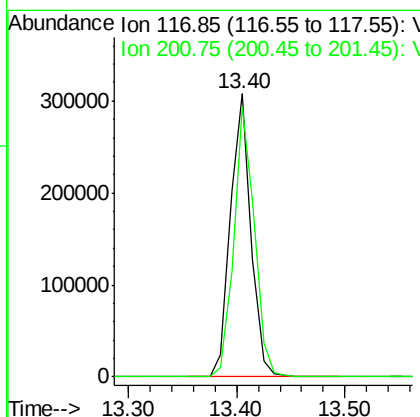
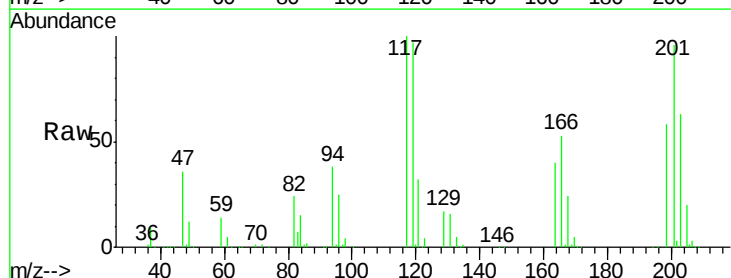
Manual Integrations
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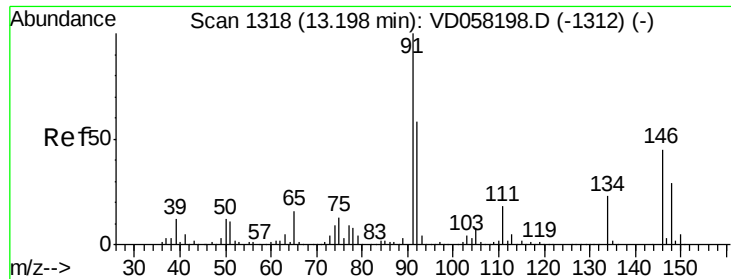
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#90
Hexachloroethane
Concen: 56.42 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Tgt Ion: 117 Resp: 405402
Ion Ratio Lower Upper
117 100
201 95.7 53.8 161.4





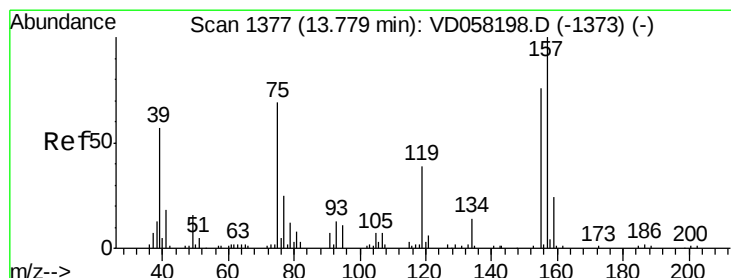
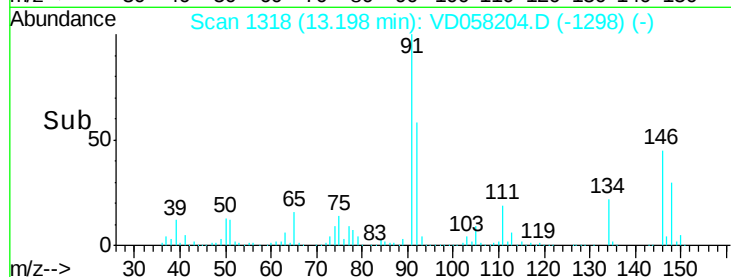
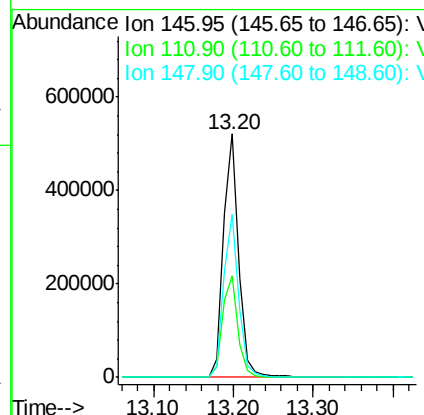
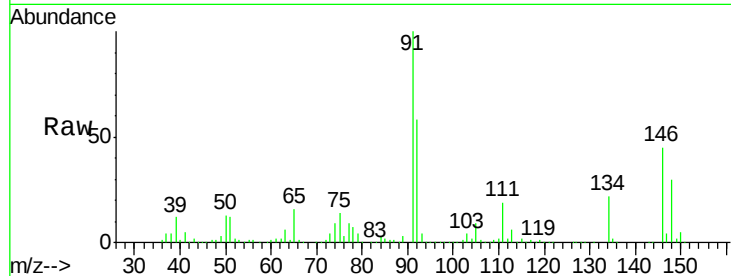
#91
 1,2-Dichlorobenzene
 Concen: 48.92 ug/l
 RT: 13.20 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: VD058204.D
 Acq: 20 Jun 2018 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	19.6	58.7
148	66.8	32.0	96.2

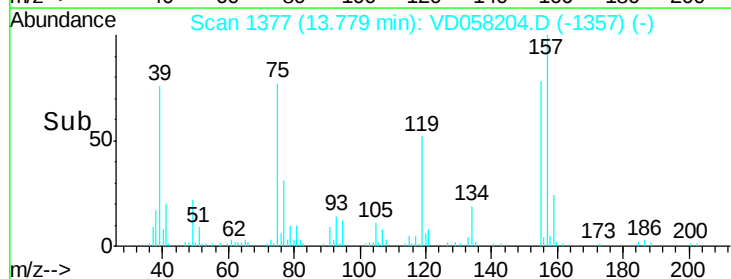
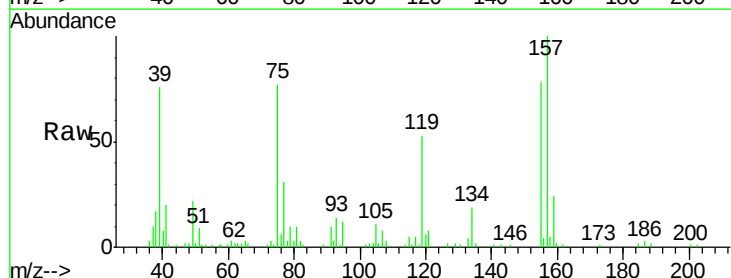
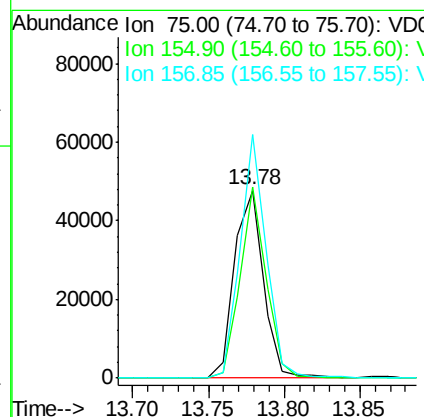
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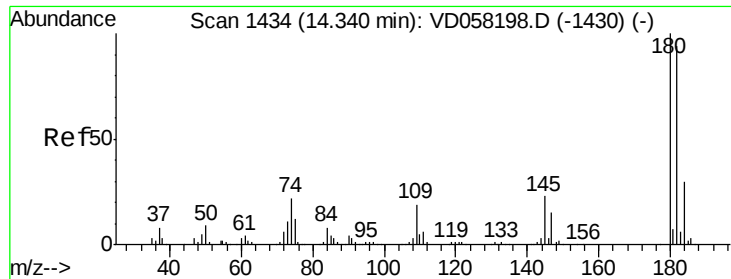
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.60 ug/l
 RT: 13.78 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VD058204.D
 Acq: 20 Jun 2018 11:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.7	54.5	163.5
157	129.6	72.0	215.9





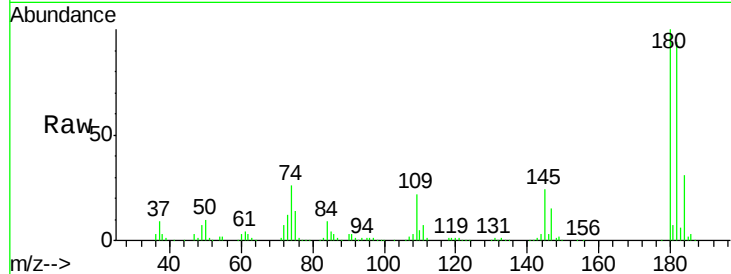
#93
 1,2,4-Trichlorobenzene
 Concen: 51.21 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD058204.D
 Acq: 20 Jun 2018 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

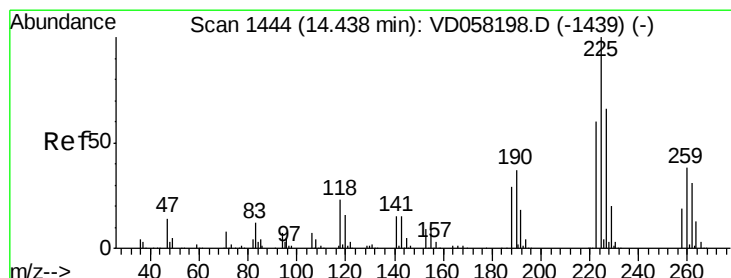
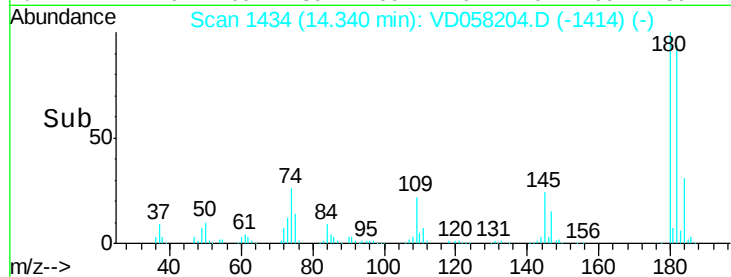
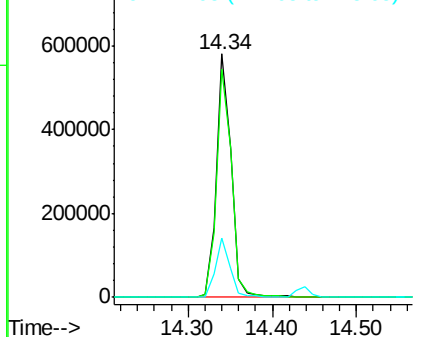
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.1	141.3
145	24.2	11.7	35.0

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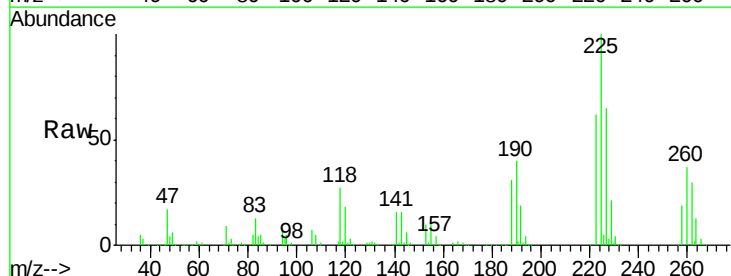


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

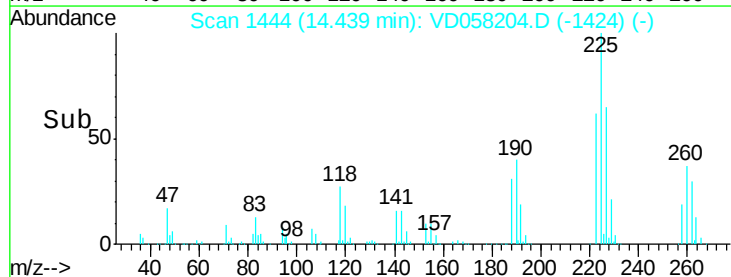
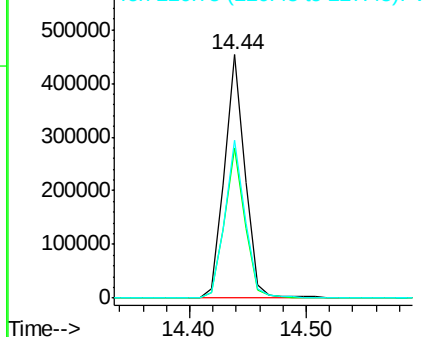


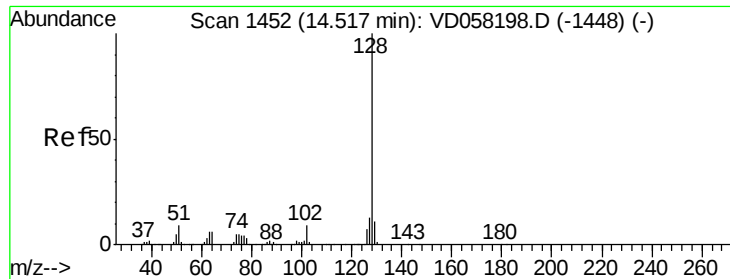
#94
 Hexachlorobutadiene
 Concen: 51.70 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD058204.D
 Acq: 20 Jun 2018 11:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	30.1	90.3
227	65.0	33.0	98.9



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





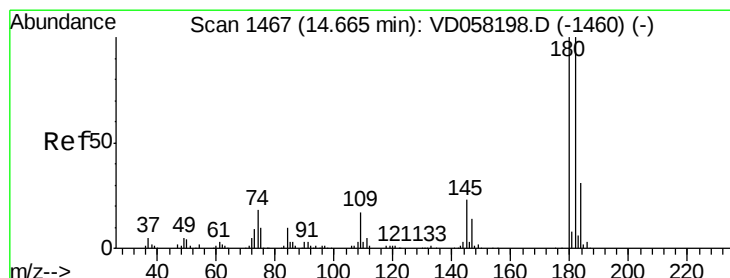
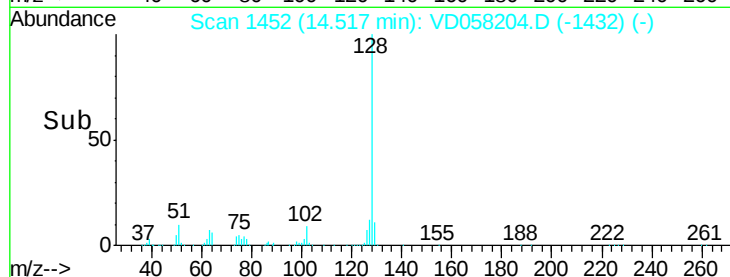
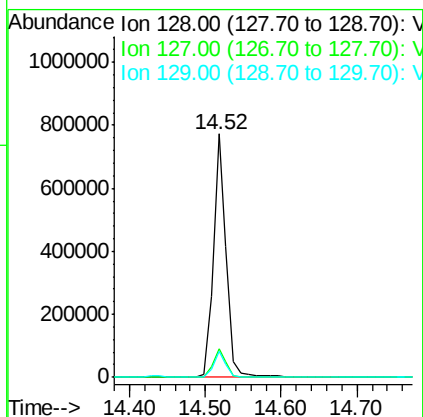
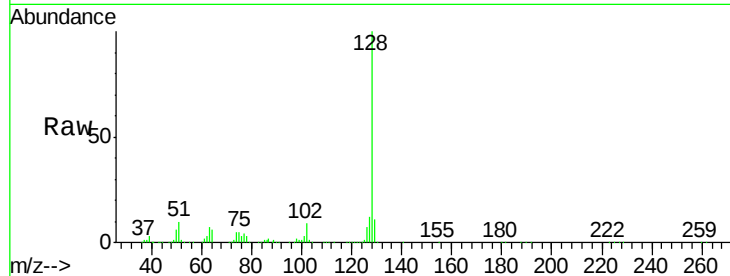
#95
Naphthalene
Concen: 50.89 ug/l
RT: 14.52 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.8	10.0	15.0
129	10.6	8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 50.49 ug/l
RT: 14.67 min Scan# 1467
Delta R.T. 0.00 min
Lab File: VD058204.D
Acq: 20 Jun 2018 11:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	49.9	149.6
145	24.9	11.7	35.1

