

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080718\
 Data File : VD059704.D
 Acq On : 7 Aug 2018 14:52
 Operator : VA/AP
 Sample : J4297-08
 Misc : 5.35g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 08 08:06:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 08 02:03:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	151403	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	205409	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	82781	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.04	152	41277	50.00	ug/l	0.14

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.00	65	100297	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
35) Dibromofluoromethane	5.53	113	83835	45.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.88%	
50) Toluene-d8	8.71	98	183713	45.75	ug/l	0.01
Spiked Amount	50.000		Recovery	=	91.50%	
62) 4-Bromofluorobenzene	11.93	95	283389	152.90	ug/l	0.01
Spiked Amount	50.000		Recovery	=	305.80%	

Target Compounds

					Qvalue
11) Tert butyl alcohol	3.23	59	594	8.382 ug/l #	76
16) Acetone	2.60	43	154836	423.218 ug/l	99
17) Carbon Disulfide	2.74	76	3101	1.154 ug/l #	74
18) Methyl Acetate	2.91	43	3090	4.571 ug/l #	57
20) Methylene Chloride	3.05	84	1097	Below Cal #	59
25) 2-Butanone	4.81	43	16760	34.879 ug/l #	87
29) Tetrahydrofuran	4.83	42	1395	7.496 ug/l #	1
31) Cyclohexane	5.58	56	11700	3.842 ug/l #	67
36) 1,1-Dichloropropene	5.63	75	13361	5.851 ug/l #	53
37) Ethyl Acetate	4.81	43	16760	15.116 ug/l #	84
38) Carbon Tetrachloride	5.63	117	15972	5.226 ug/l #	13
39) Methylcyclohexane	7.27	83	180137	93.338 ug/l	91
43) Isopropyl Acetate	7.64	43	30699	21.183 ug/l #	46
45) 1,2-Dichloropropane	7.27	63	3496	2.989 ug/l #	1
47) Bromodichloromethane	7.67	83	6642	2.573 ug/l #	91
48) Methyl methacrylate	7.48	41	1917	2.004 ug/l #	41
51) 4-Methyl-2-Pentanone	8.70	43	72952	69.024 ug/l #	52
55) 1,1,2-Trichloroethane	9.50	97	14164	13.053 ug/l #	60
56) Ethyl methacrylate	9.36	69	92540	77.292 ug/l #	1
59) 2-Hexanone	9.76	43	1912021	2409.116 ug/l #	39
60) Dibromochloromethane	9.92	129	1937	1.123 ug/l #	9
61) 1,2-Dibromoethane	10.14	107	1419	1.137 ug/l #	1
65) Chlorobenzene	10.65	112	5894	3.379 ug/l #	42
67) Ethyl Benzene	10.89	91	14379	4.577 ug/l #	49
68) m/p-Xylenes	11.03	106	4199	4.178 ug/l #	1
69) o-Xylene	11.42	106	6222	6.368 ug/l #	1
73) Isopropylbenzene	11.79	105	42945	15.481 ug/l	98
74) N-amyl acetate	11.65	43	3008372	3389.823 ug/l #	66
75) 1,1,2,2-Tetrachloroethane	12.02	83	145537	261.454 ug/l #	32
76) 1,2,3-Trichloropropane	12.12	75	1994	3.125 ug/l #	1
77) Bromobenzene	12.15	156	1806	2.234 ug/l #	1
78) n-propylbenzene	12.17	91	24951	7.258 ug/l	91
79) 2-Chlorotoluene	12.30	91	30437	14.660 ug/l	87
80) 1,3,5-Trimethylbenzene	12.34	105	4120	1.783 ug/l	83

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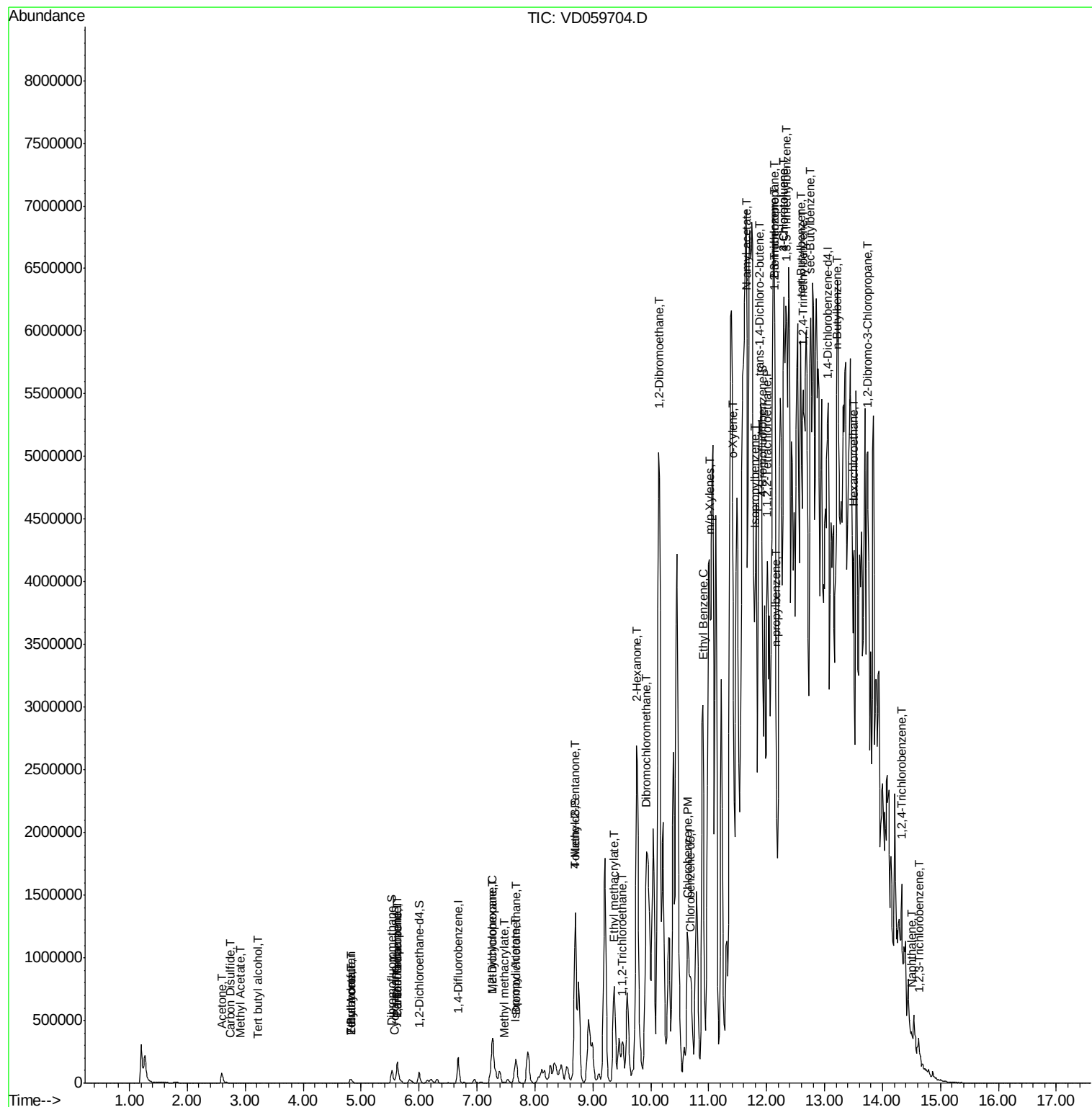
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) trans-1,4-Dichloro-2-buten	11.86	75	1537	9.870	ug/l #	1
82) 4-Chlorotoluene	12.30	91	37868	15.581	ug/l	98
83) tert-Butylbenzene	12.59	119	54698	21.149	ug/l #	59
84) 1,2,4-Trimethylbenzene	12.64	105	10303	4.207	ug/l	99
85) sec-Butylbenzene	12.77	105	86767	30.209	ug/l	93
89) n-Butylbenzene	13.20	91	86953	35.011	ug/l #	54
90) Hexachloroethane	13.50	117	200394	315.665	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	13.75	75	3121	26.844	ug/l #	14
93) 1,2,4-Trichlorobenzene	14.33	180	1853	1.753	ug/l #	1
95) Naphthalene	14.50	128	7701	4.919	ug/l #	1
96) 1,2,3-Trichlorobenzene	14.64	180	1030	1.114	ug/l #	1

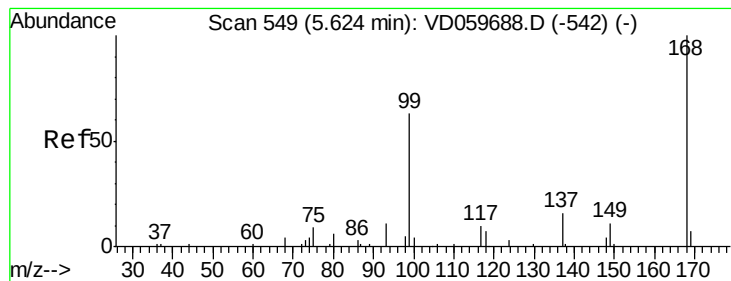
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 549

Delta R.T. 0.00 min

Lab File: VD059704.D

Acq: 7 Aug 2018 14:52

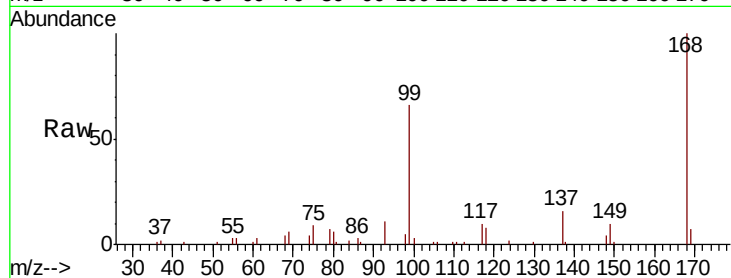
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 151403

Ion Ratio Lower Upper

168 100

99 66.4 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.63

60000

50000

40000

30000

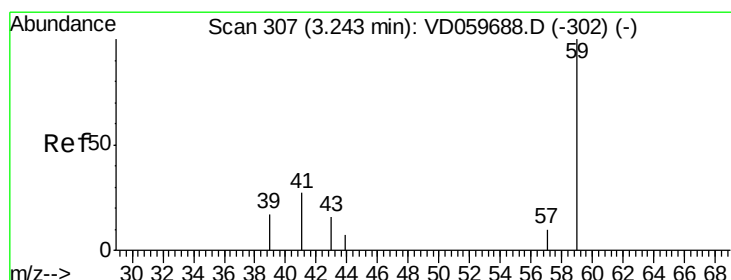
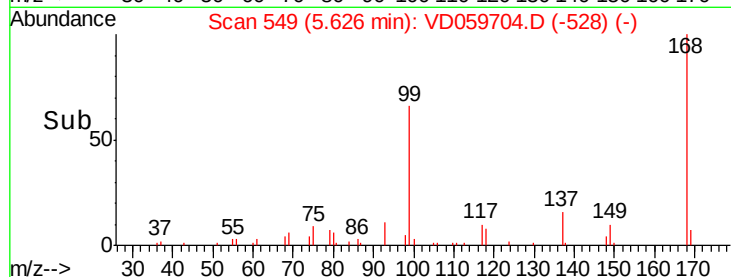
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 8.382 ug/l

RT: 3.23 min Scan# 305

Delta R.T. -0.02 min

Lab File: VD059704.D

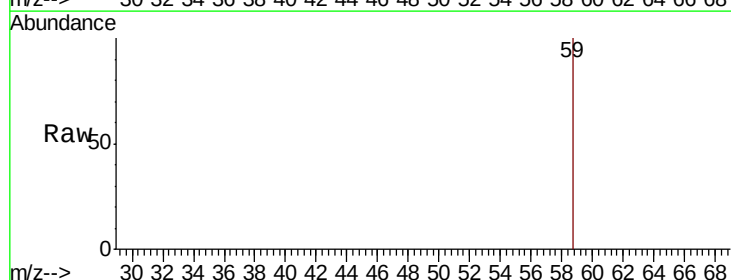
Acq: 7 Aug 2018 14:52

Tgt Ion: 59 Resp: 594

Ion Ratio Lower Upper

59 100

57 0.0 6.8 10.2#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

500

400

300

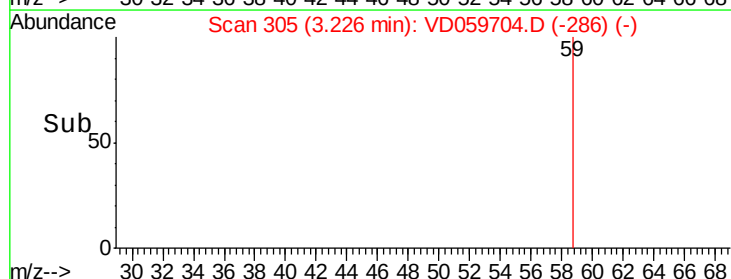
200

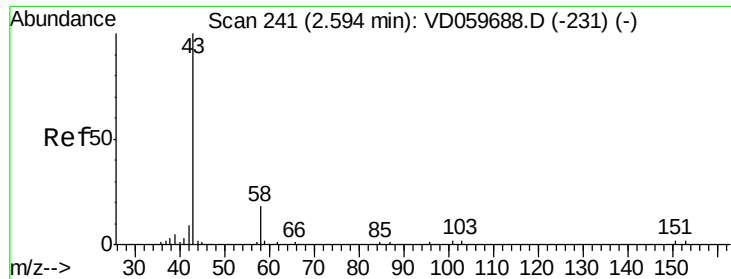
100

0

Time-->

3.20 3.25





#16

Acetone

Concen: 423.218 ug/l

RT: 2.60 min Scan# 241

Delta R.T. 0.00 min

Lab File: VD059704.D

Acq: 7 Aug 2018 14:52

Instrument :

MSVOA_D

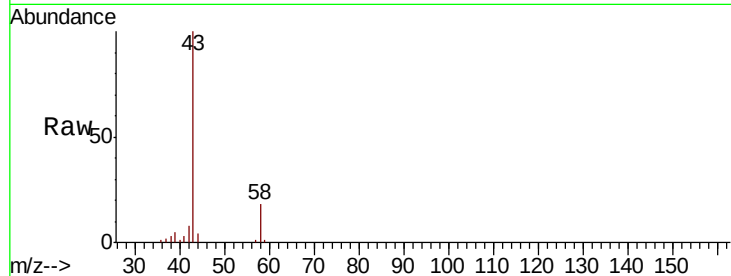
ClientSampleId :

Tot Ion: 43 Resp: 154836

Ion Ratio Lower Upper

43 100

58 18.3 14.2 21.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

2.60

60000

50000

40000

30000

20000

10000

0

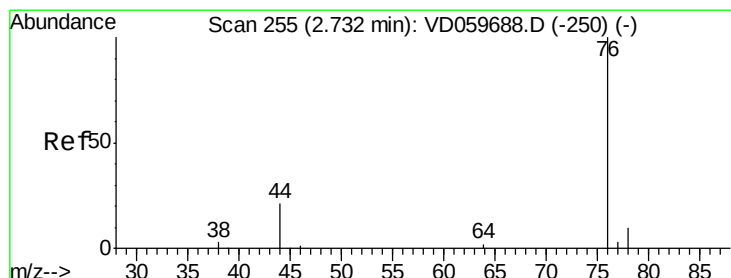
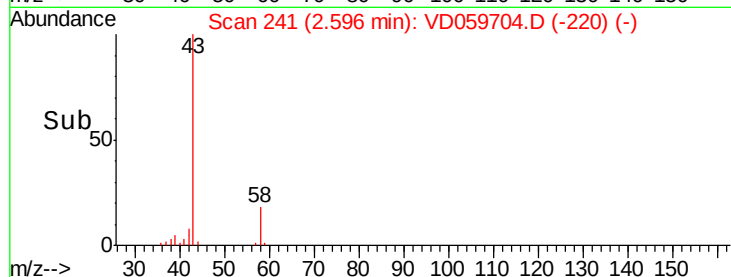
Time-->

2.50

2.60

2.70

2.80



#17

Carbon Disulfide

Concen: 1.154 ug/l

RT: 2.74 min Scan# 256

Delta R.T. 0.01 min

Lab File: VD059704.D

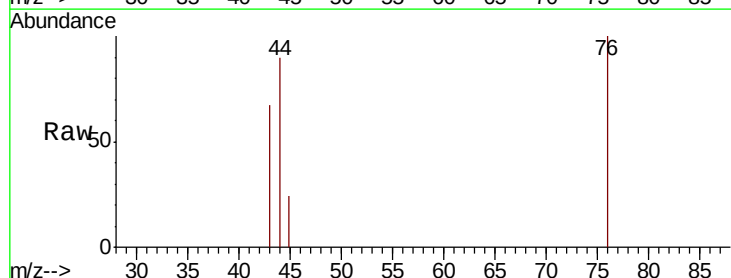
Acq: 7 Aug 2018 14:52

Tgt Ion: 76 Resp: 3101

Ion Ratio Lower Upper

76 100

78 0.0 7.7 11.5#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

2.74

1500

1000

500

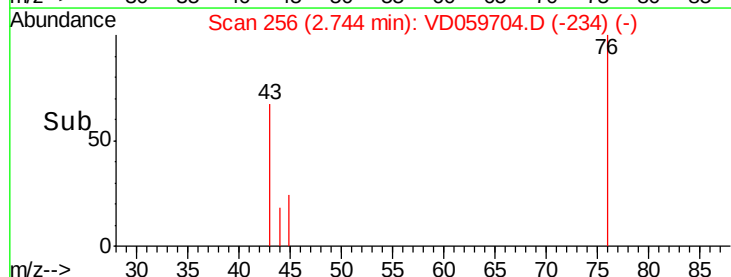
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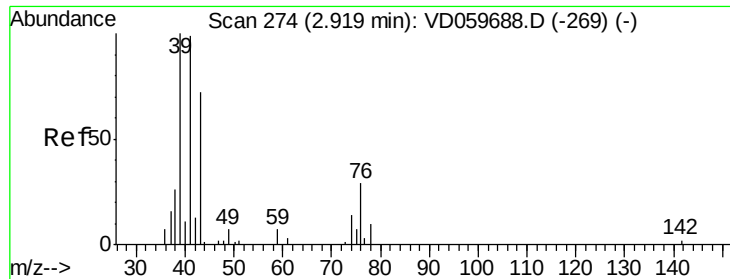
Time-->

2.70

2.75

2.80

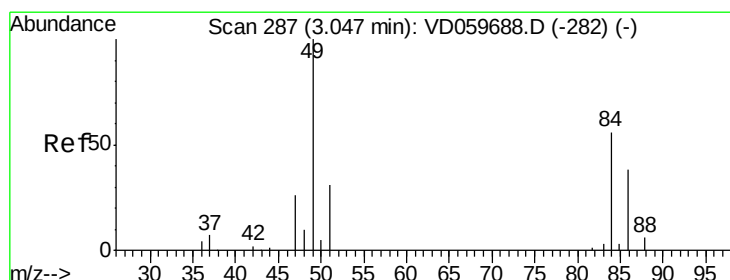
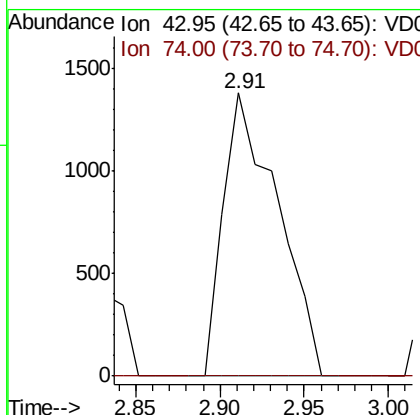
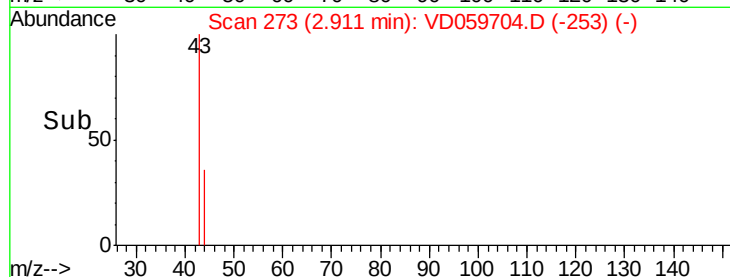
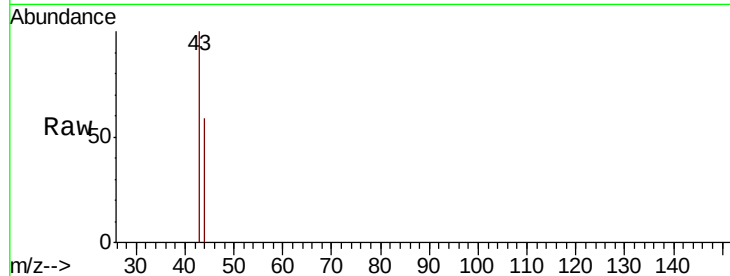




#18
Methyl Acetate
Concen: 4.571 ug/l
RT: 2.91 min Scan# 273
Delta R.T. -0.01 min
Lab File: VD059704.D
Acq: 7 Aug 2018 14:52

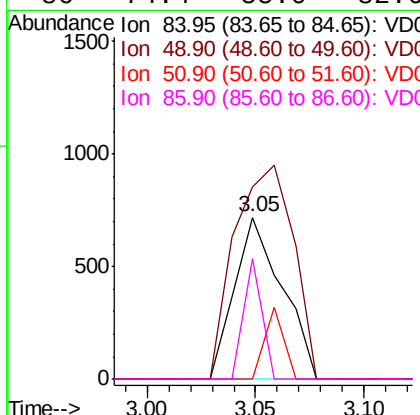
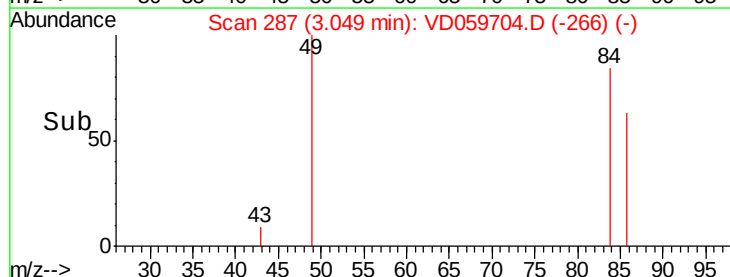
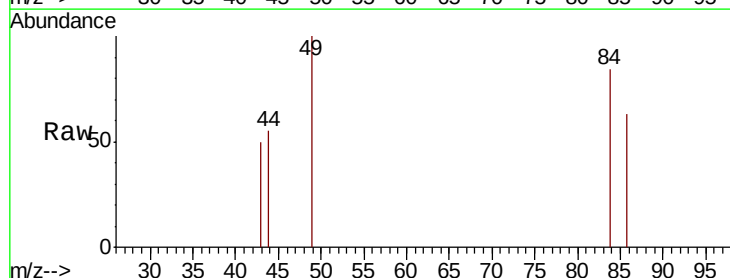
Instrument :
MSVOA_D
ClientSampled :

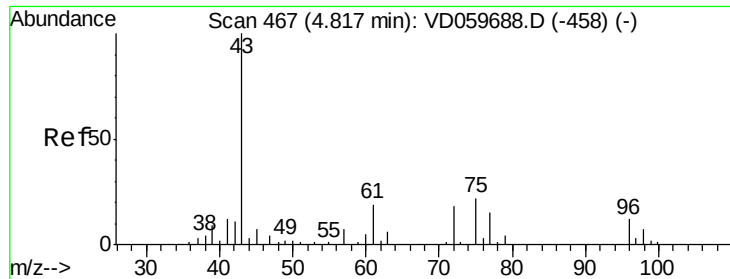
Tot Ion: 43 Resp: 3090
Ion Ratio Lower Upper
43 100
74 0.0 15.7 23.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 3.05 min Scan# 287
Delta R.T. 0.00 min
Lab File: VD059704.D
Acq: 7 Aug 2018 14:52

Tgt Ion: 84 Resp: 1097
Ion Ratio Lower Upper
84 100
49 118.5 143.4 215.2#
51 0.0 44.2 66.4#
86 74.4 55.0 82.6





#25

2-Butanone

Concen: 34.879 ug/l

RT: 4.81 min Scan# 466

Delta R.T. -0.01 min

Lab File: VD059704.D

Acq: 7 Aug 2018 14:52

Instrument :

MSVOA_D

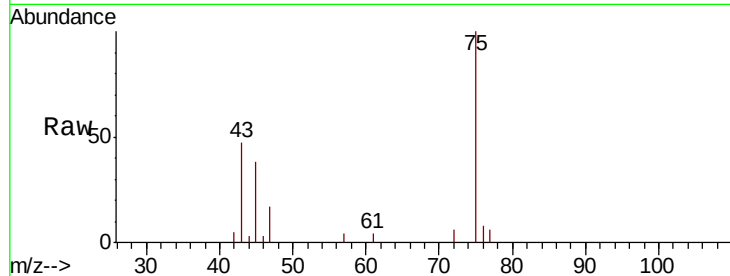
ClientSampled :

Tot Ion: 43 Resp: 16760

Ion Ratio Lower Upper

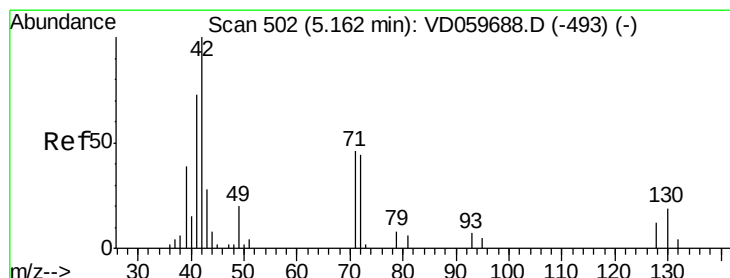
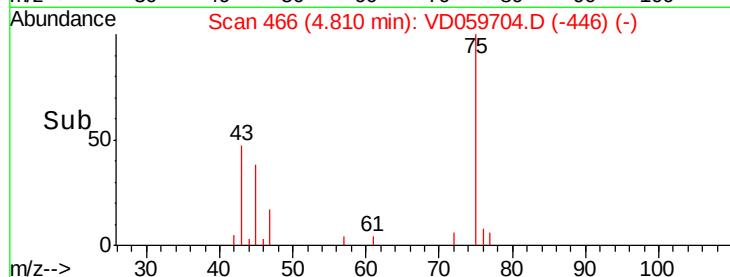
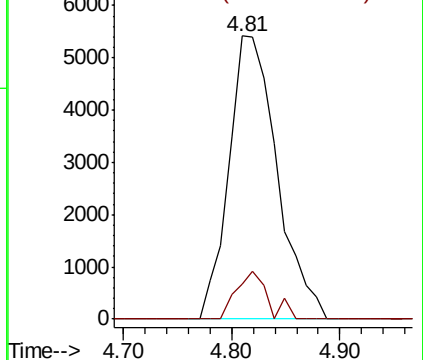
43 100

72 12.6 14.6 21.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 7.496 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.33 min

Lab File: VD059704.D

Acq: 7 Aug 2018 14:52

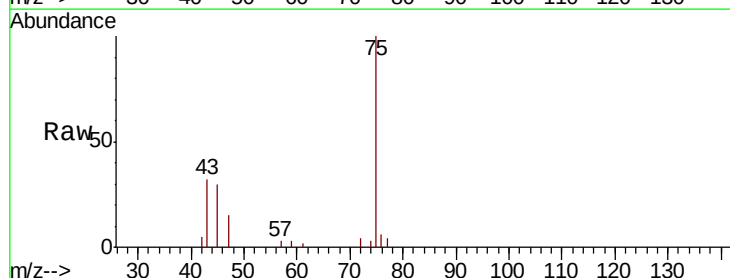
Tgt Ion: 42 Resp: 1395

Ion Ratio Lower Upper

42 100

72 131.0 36.7 55.1#

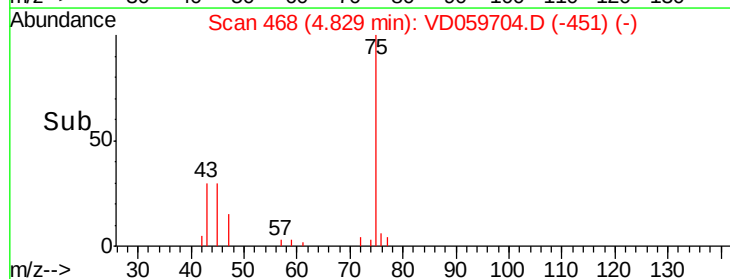
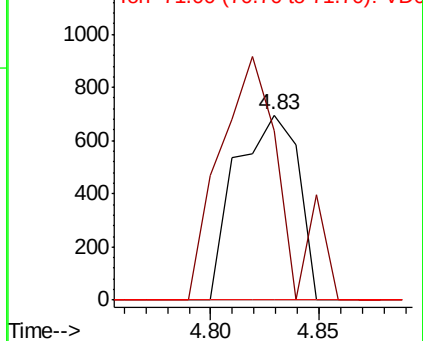
71 0.0 36.3 54.5#

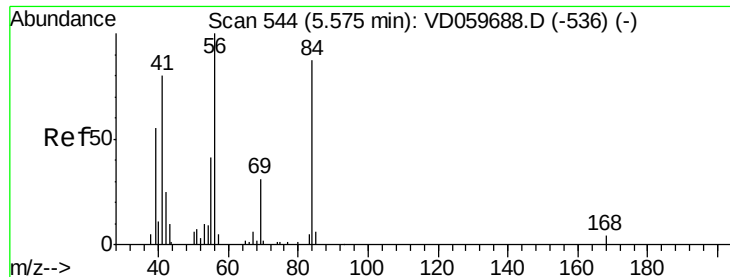


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

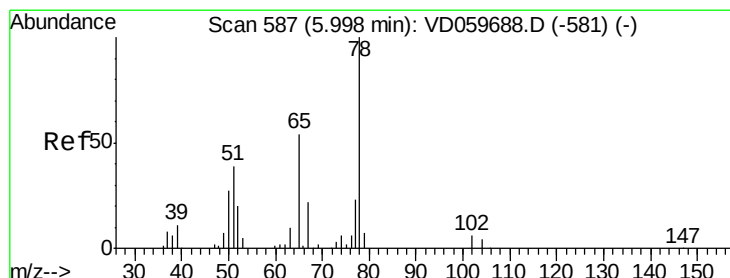
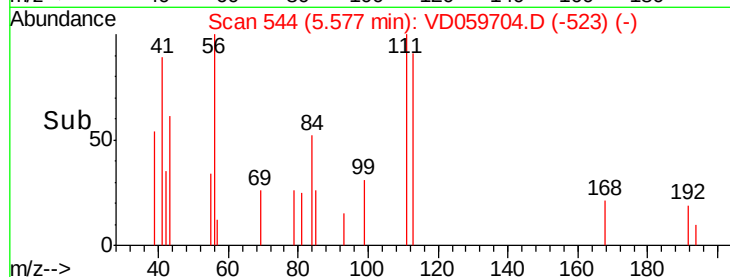
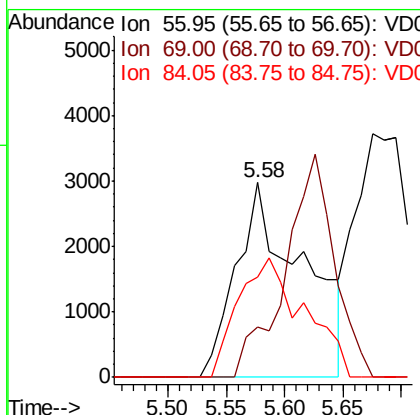
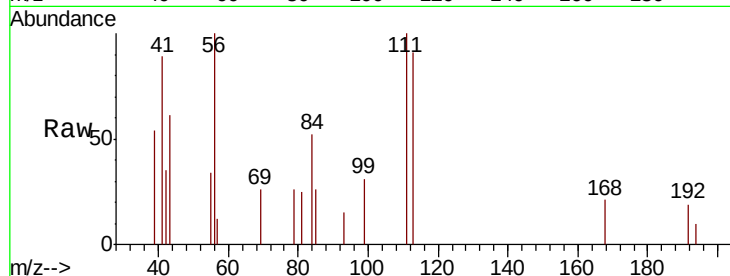




#31
Cyclohexane
Concen: 3.842 ug/l
RT: 5.58 min Scan# 544
Delta R.T. 0.00 min
Lab File: VD059704.D
Acq: 7 Aug 2018 14:52

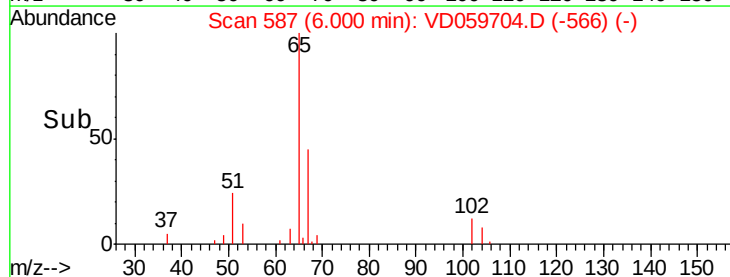
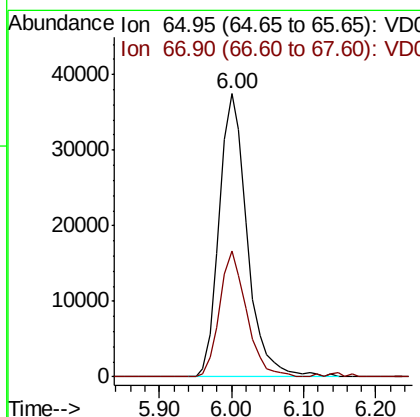
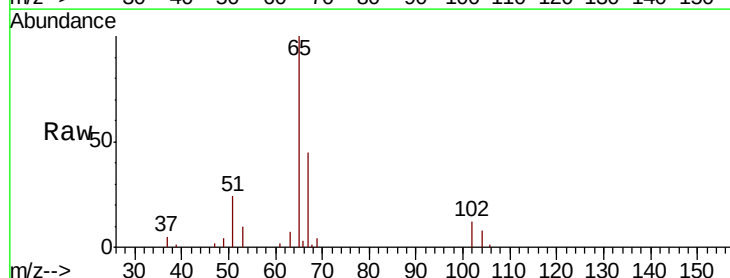
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ClientSampled :

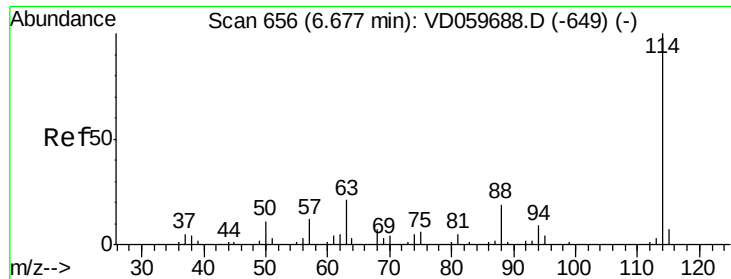
Tot Ion: 56 Resp: 11700
Ion Ratio Lower Upper
56 100
69 25.8 24.7 37.1
84 51.7 72.2 108.2#



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.00 min Scan# 587
Delta R.T. 0.00 min
Lab File: VD059704.D
Acq: 7 Aug 2018 14:52

Tgt Ion: 65 Resp: 100297
Ion Ratio Lower Upper
65 100
67 44.6 0.0 80.4

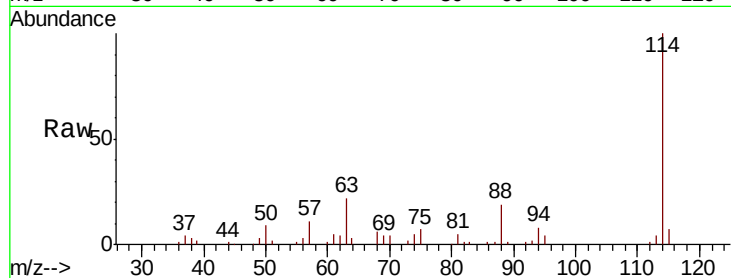




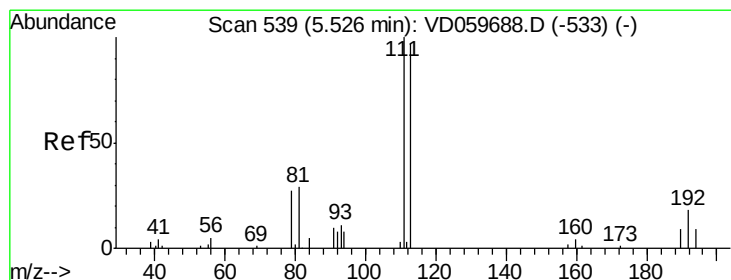
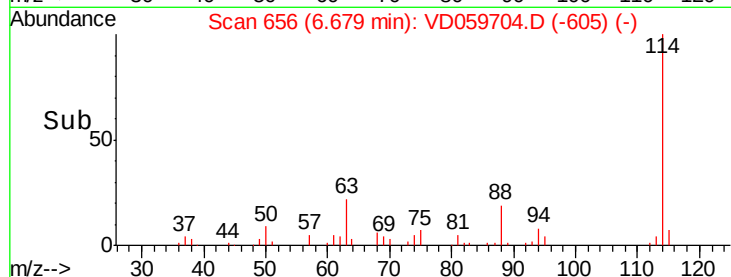
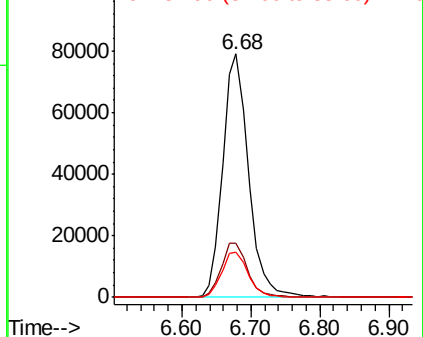
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. 0.00 min
 Lab File: VD059704.D
 Acq: 7 Aug 2018 14:52

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:114 Resp: 205409
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 42.6
 88 18.7 0.0 38.8

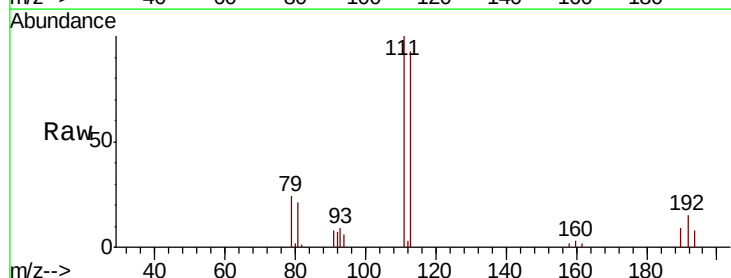


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

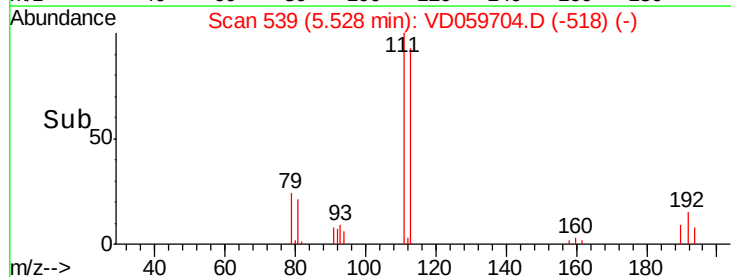
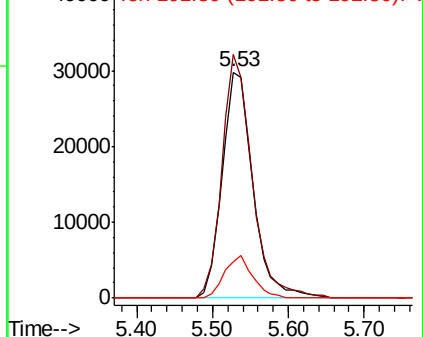


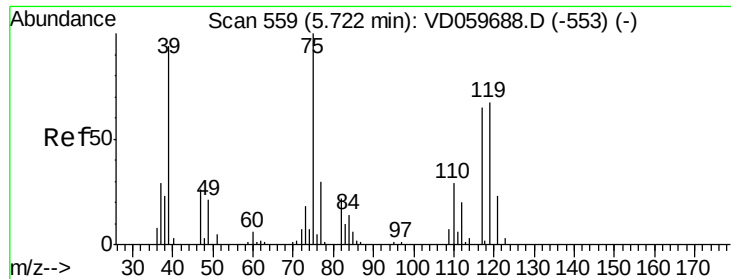
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.53 min Scan# 539
 Delta R.T. 0.00 min
 Lab File: VD059704.D
 Acq: 7 Aug 2018 14:52

Tgt Ion:113 Resp: 83835
 Ion Ratio Lower Upper
 113 100
 111 107.6 82.8 124.2
 192 16.2 14.6 22.0



Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

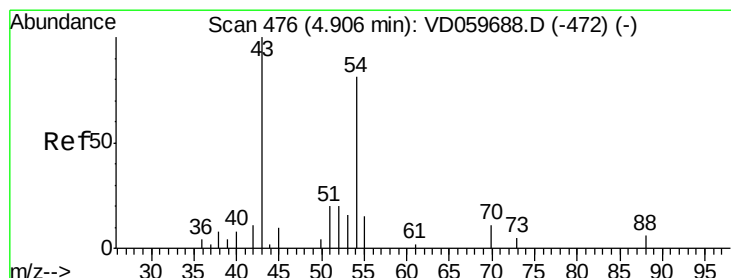
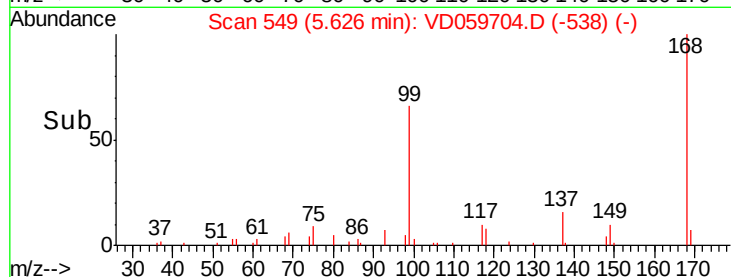
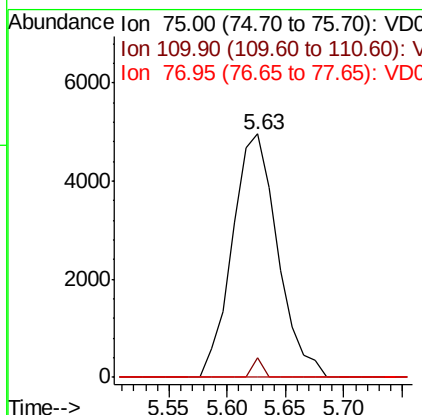
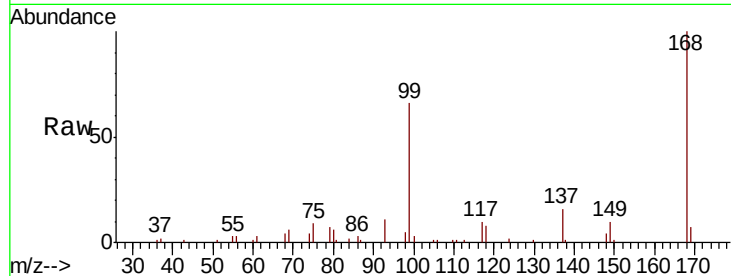




#36
 1,1-Dichloropropene
 Concen: 5.851 ug/l
 RT: 5.63 min Scan# 549
 Delta R.T. -0.10 min
 Lab File: VD059704.D
 Acq: 7 Aug 2018 14:52

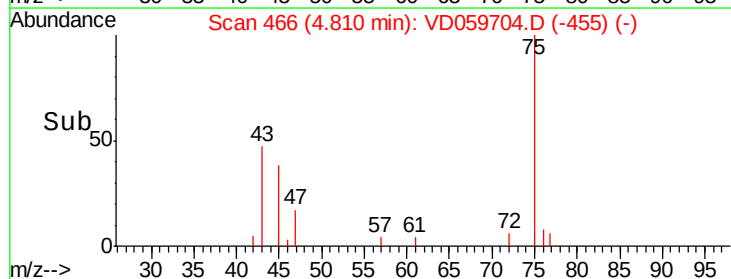
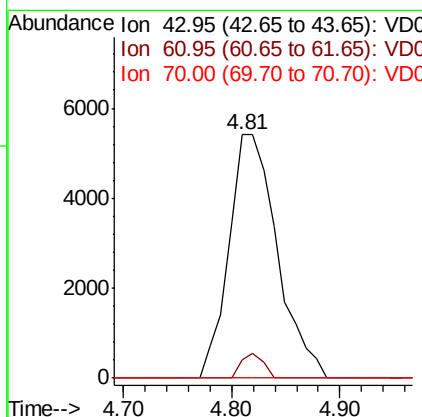
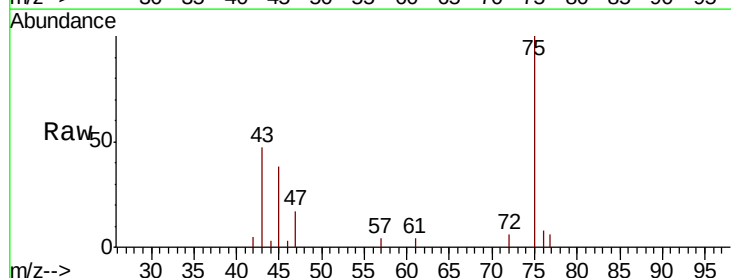
Instrument :
 MSVOA_D
 ClientSampleId :

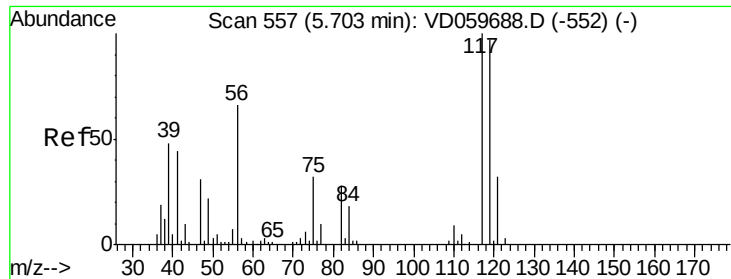
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.2	14.1	42.3#
77	0.0	23.9	35.9#



#37
 Ethyl Acetate
 Concen: 15.116 ug/l
 RT: 4.81 min Scan# 466
 Delta R.T. -0.10 min
 Lab File: VD059704.D
 Acq: 7 Aug 2018 14:52

Tgt Ion	Ratio	Lower	Upper
43	100		
61	7.4	10.1	15.1#
70	0.0	5.4	8.2#

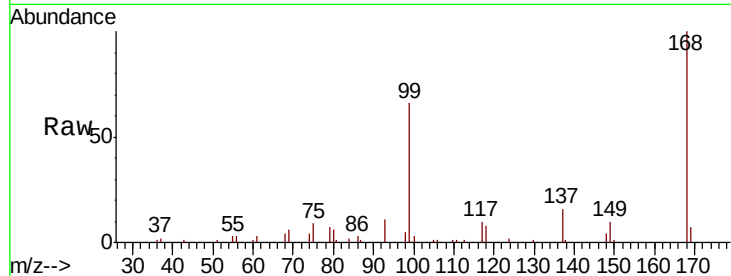




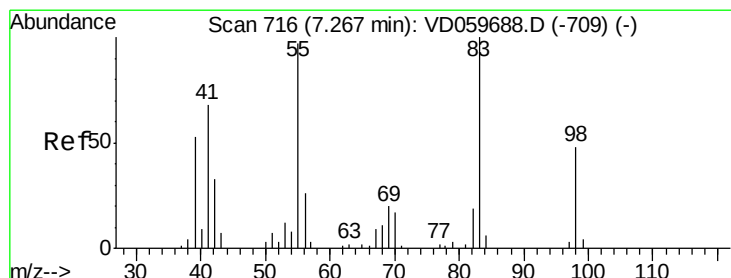
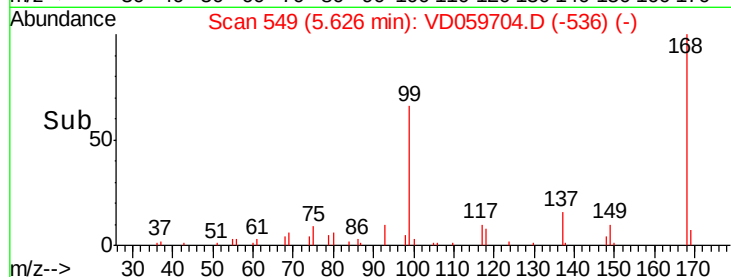
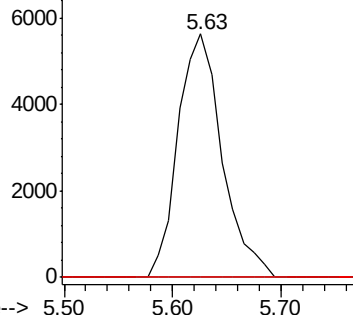
#38
Carbon Tetrachloride
Concen: 5.226 ug/l
RT: 5.63 min Scan# 549
Delta R.T. -0.08 min
Lab File: VD059704.D
Acq: 7 Aug 2018 14:52

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 15972
Ion Ratio Lower Upper
117 100
119 0.0 75.3 112.9#
121 0.0 24.4 36.6#

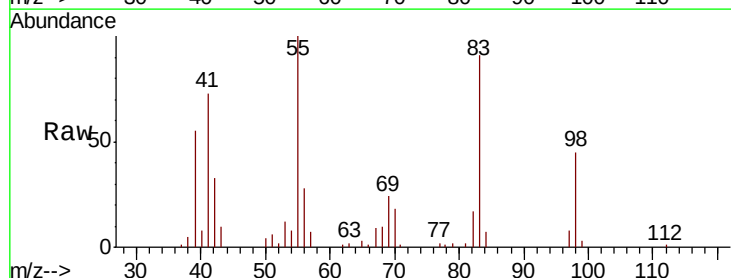


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

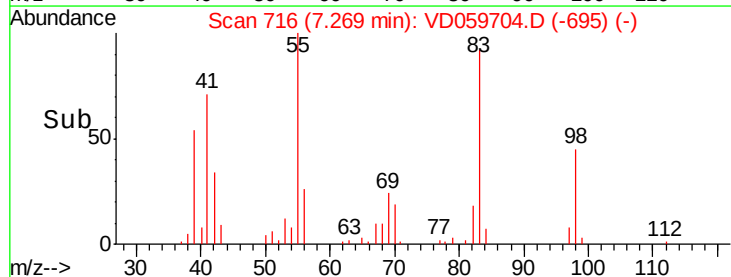
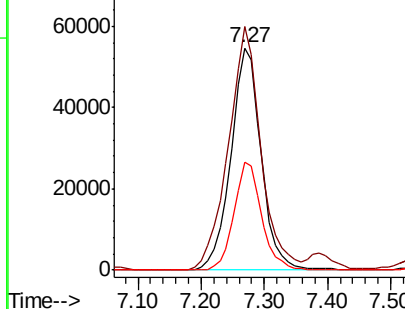


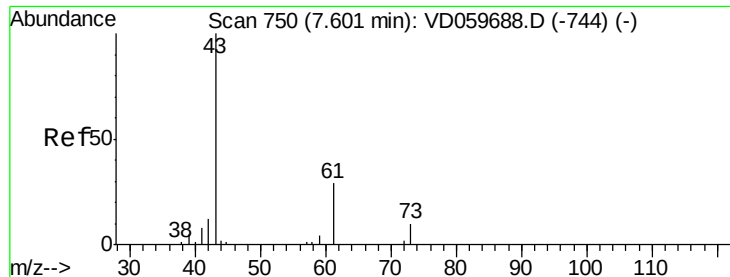
#39
Methylcyclohexane
Concen: 93.338 ug/l
RT: 7.27 min Scan# 716
Delta R.T. 0.00 min
Lab File: VD059704.D
Acq: 7 Aug 2018 14:52

Tgt Ion: 83 Resp: 180137
Ion Ratio Lower Upper
83 100
55 109.6 77.7 116.5
98 48.8 38.7 58.1



Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC





#43

Isopropyl Acetate

Concen: 21.183 ug/l

RT: 7.64 min Scan# 754

Delta R.T. 0.04 min

Lab File: VD059704.D

Acq: 7 Aug 2018 14:52

Instrument :

MSVOA_D

ClientSampleId :

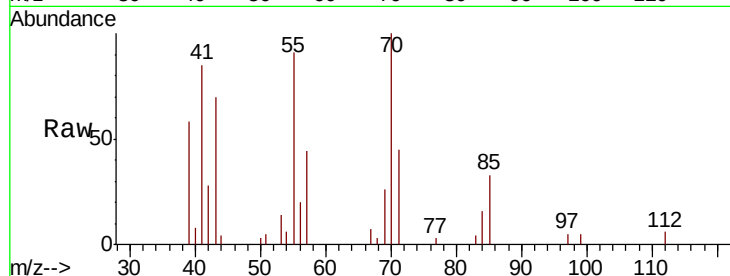
Tot Ion: 43 Resp: 30699

Ion Ratio Lower Upper

43 100

61 0.0 22.9 34.3#

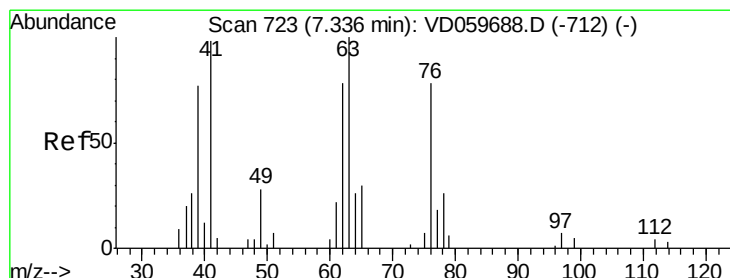
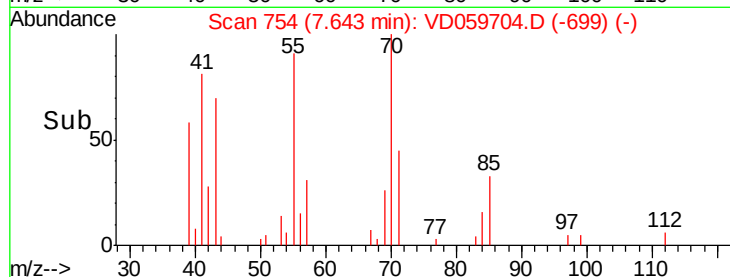
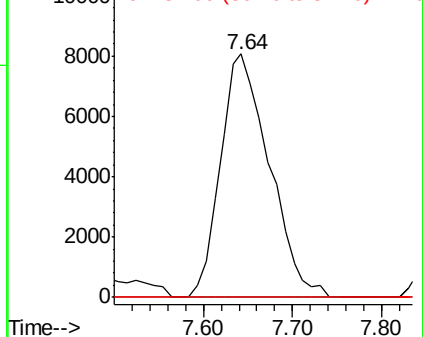
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#45

1,2-Dichloropropane

Concen: 2.989 ug/l

RT: 7.27 min Scan# 716

Delta R.T. -0.07 min

Lab File: VD059704.D

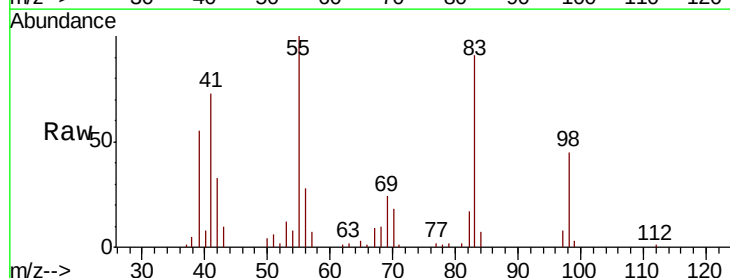
Acq: 7 Aug 2018 14:52

Tgt Ion: 63 Resp: 3496

Ion Ratio Lower Upper

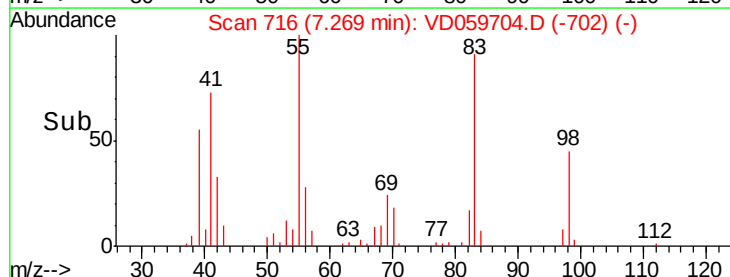
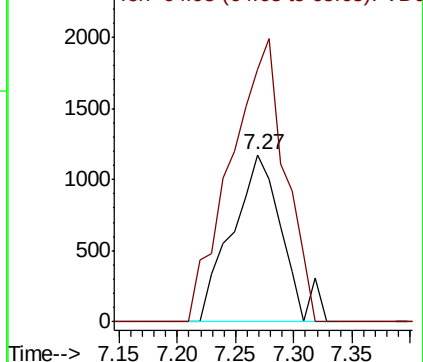
63 100

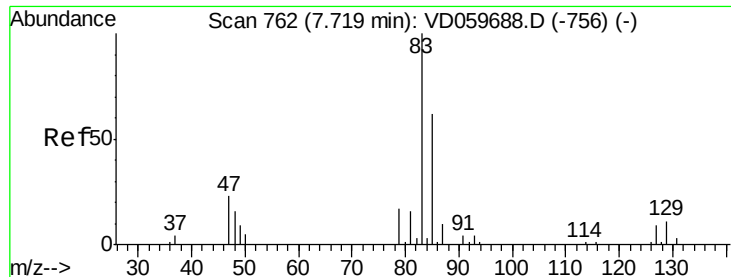
65 151.3 24.2 36.4#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC





#47

Bromodichloromethane

Concen: 2.573 ug/l

RT: 7.67 min Scan# 757

Delta R.T. -0.05 min

Lab File: VD059704.D

Acq: 7 Aug 2018 14:52

Instrument :

MSVOA_D

ClientSampled :

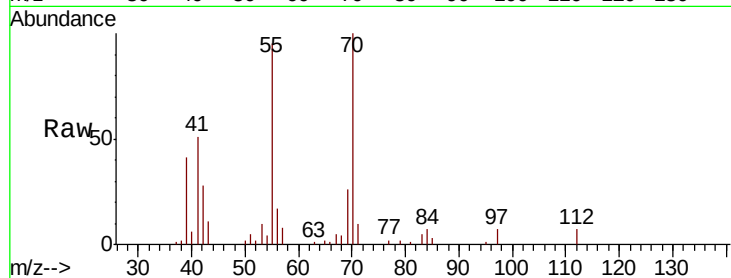
Tot Ion: 83 Resp: 6642

Ion Ratio Lower Upper

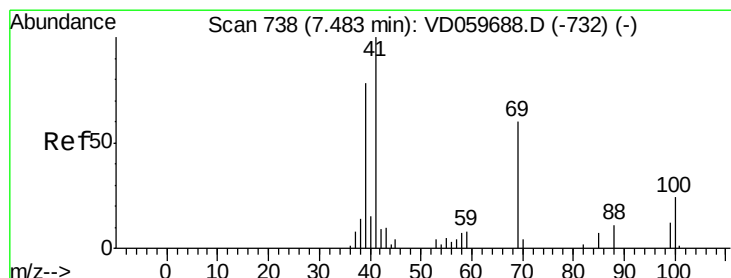
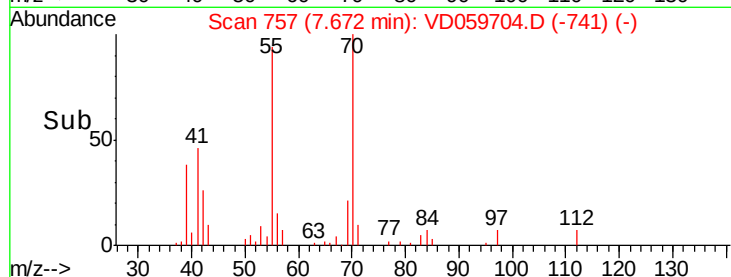
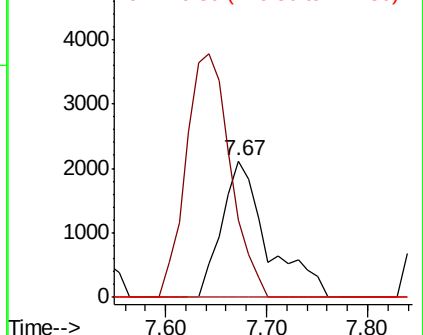
83 100

85 57.0 49.8 74.8

127 0.0 7.3 10.9#



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



#48

Methyl methacrylate

Concen: 2.004 ug/l

RT: 7.48 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD059704.D

Acq: 7 Aug 2018 14:52

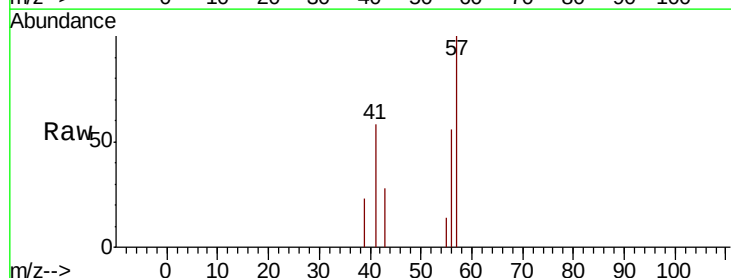
Tgt Ion: 41 Resp: 1917

Ion Ratio Lower Upper

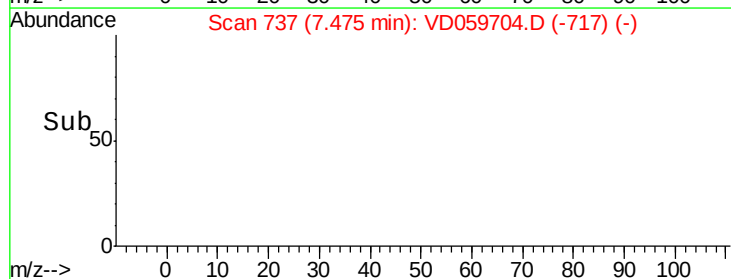
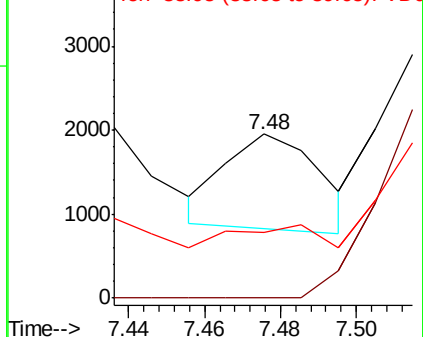
41 100

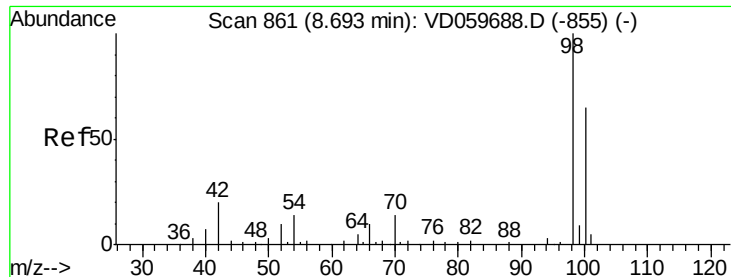
69 0.0 47.3 70.9#

39 40.5 62.9 94.3#



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

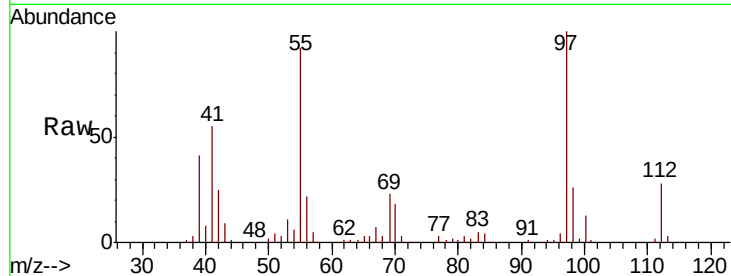




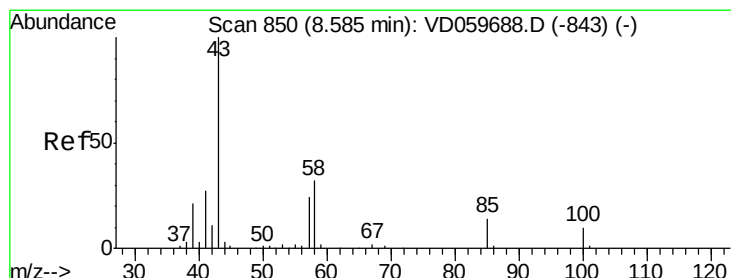
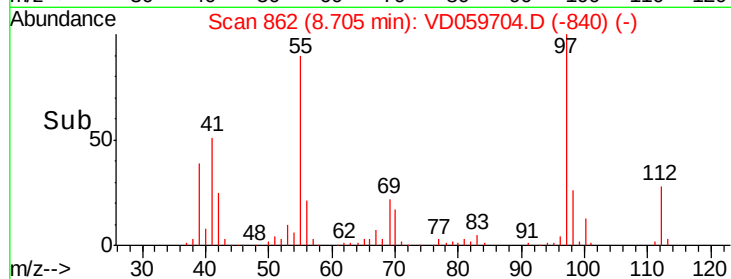
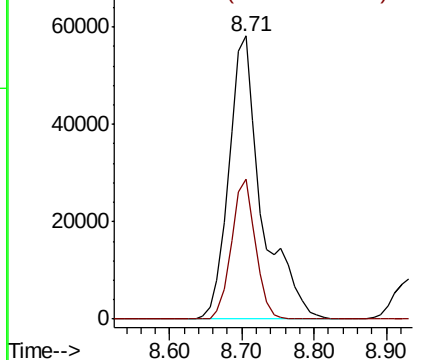
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.71 min Scan# 862
Delta R.T. 0.01 min
Lab File: VD059704.D
Acq: 7 Aug 2018 14:52

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 183713
Ion Ratio Lower Upper
98 100
100 49.4 52.5 78.7#

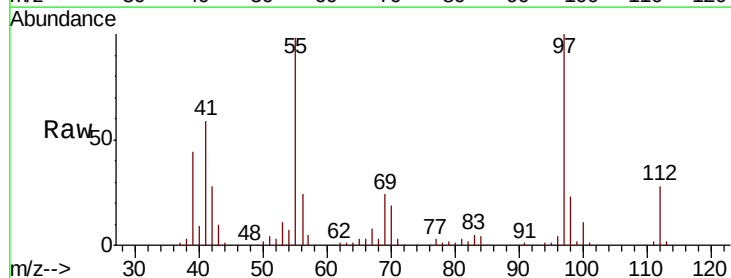


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

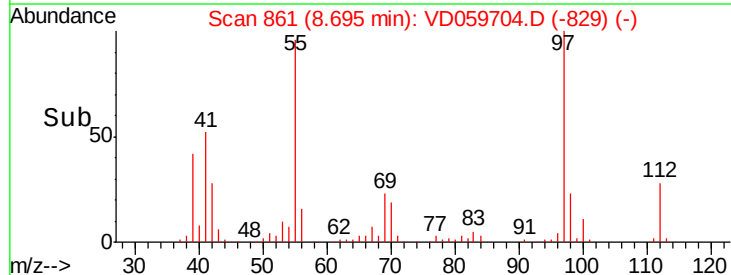
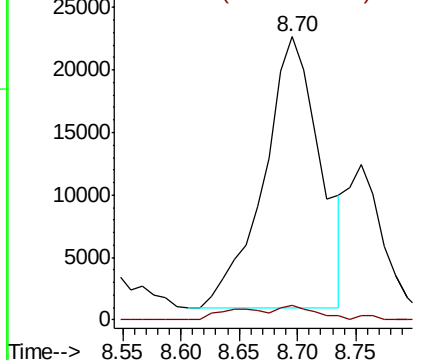


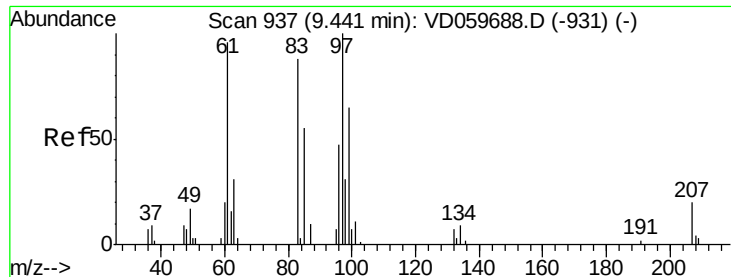
#51
4-Methyl-2-Pentanone
Concen: 69.024 ug/l
RT: 8.70 min Scan# 861
Delta R.T. 0.11 min
Lab File: VD059704.D
Acq: 7 Aug 2018 14:52

Tgt Ion: 43 Resp: 72952
Ion Ratio Lower Upper
43 100
58 5.2 25.7 38.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#55

1,1,2-Trichloroethane

Concen: 13.053 ug/l

RT: 9.50 min Scan# 943

Delta R.T. 0.06 min

Lab File: VD059704.D

Acq: 7 Aug 2018 14:52

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 97 Resp: 14164

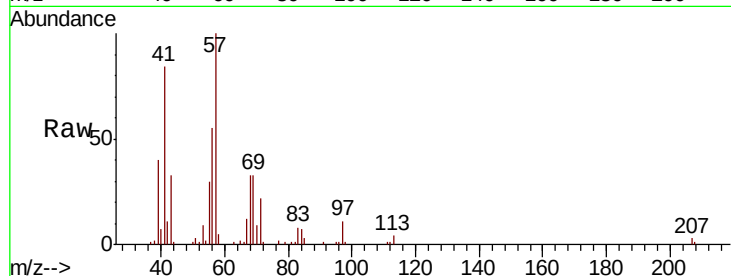
Ion Ratio Lower Upper

97 100

83 76.5 70.8 106.2

85 30.2 44.1 66.1#

99 0.0 52.2 78.4#



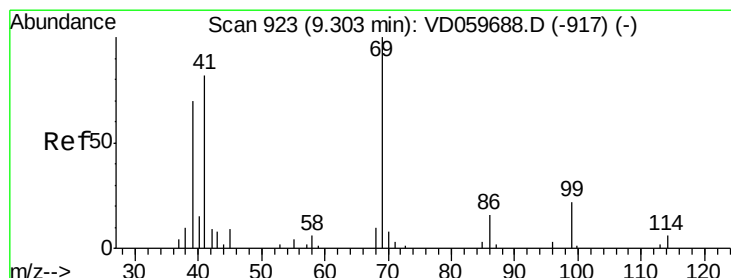
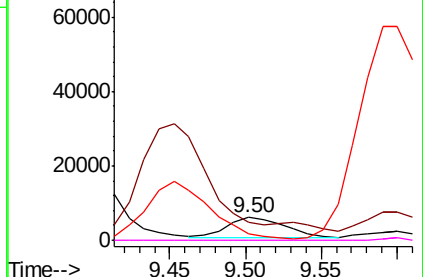
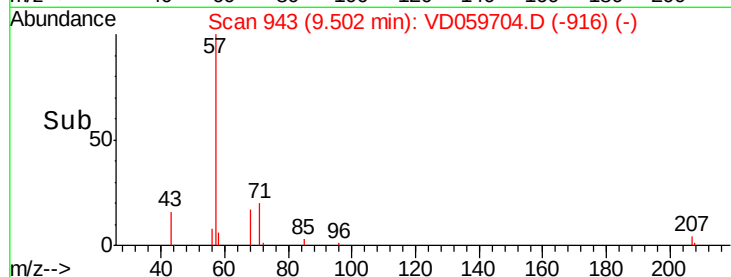
Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC

Time-->



#56

Ethyl methacrylate

Concen: 77.292 ug/l

RT: 9.36 min Scan# 929

Delta R.T. 0.06 min

Lab File: VD059704.D

Acq: 7 Aug 2018 14:52

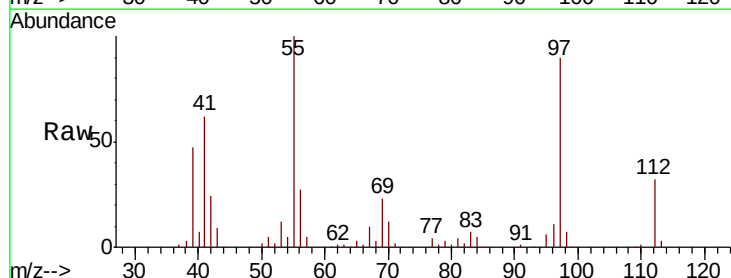
Tgt Ion: 69 Resp: 92540

Ion Ratio Lower Upper

69 100

41 273.5 65.7 98.5#

39 207.7 55.8 83.8#

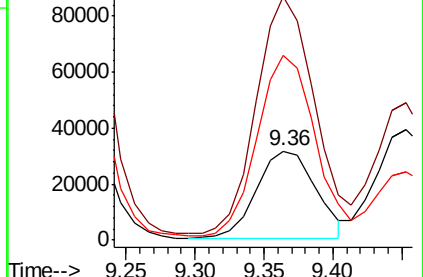
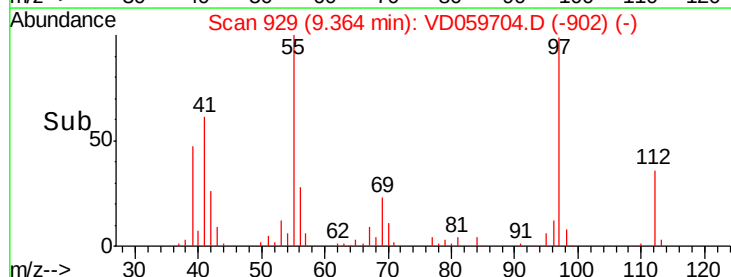


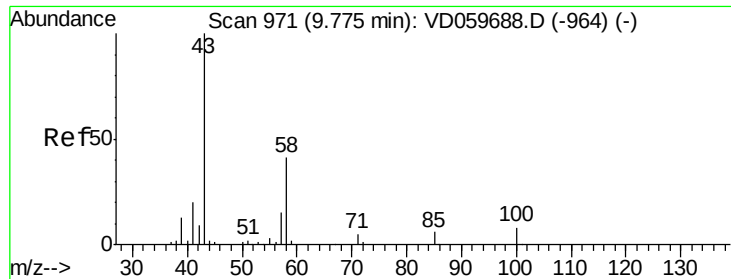
Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Time-->

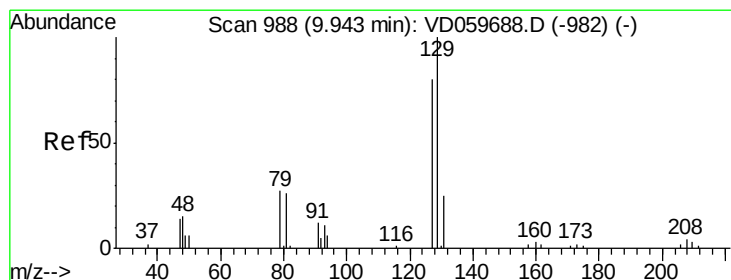
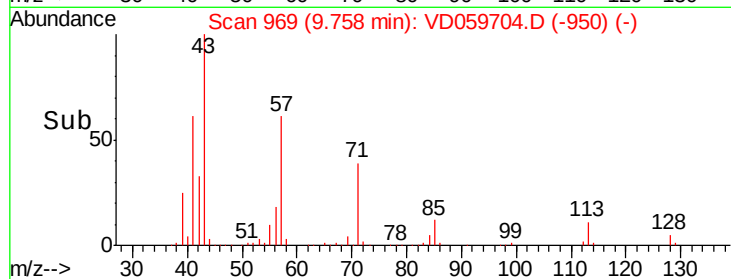
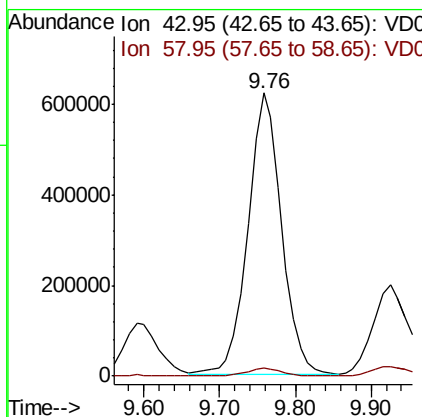
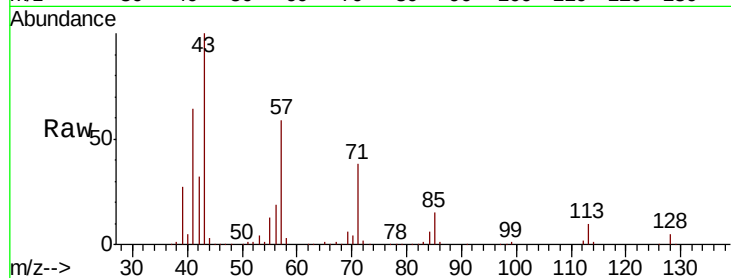




#59
2-Hexanone
Concen: 2409.116 ug/l
RT: 9.76 min Scan# 969
Delta R.T. -0.02 min
Lab File: VD059704.D
Acq: 7 Aug 2018 14:52

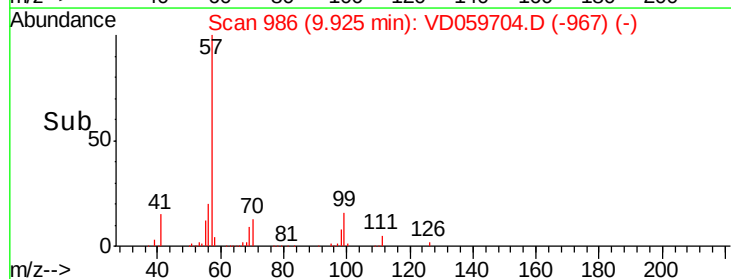
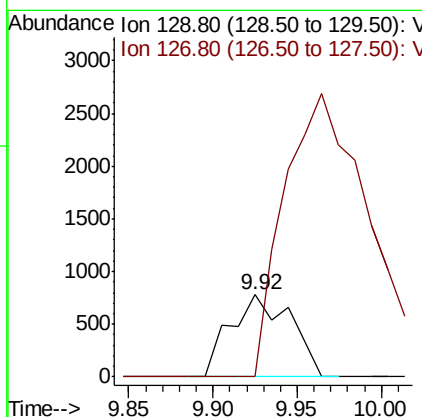
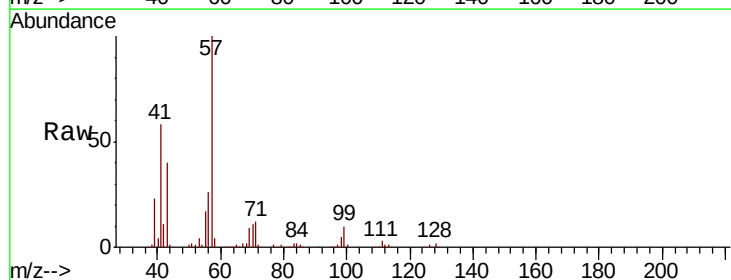
Instrument :
MSVOA_D
ClientSampleId :

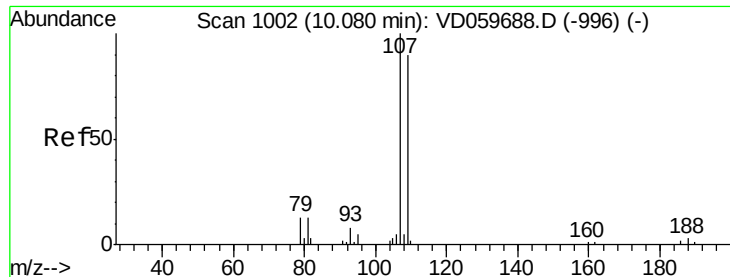
Tot Ion: 43 Resp: 1912021
Ion Ratio Lower Upper
43 100
58 2.7 20.4 61.3#



#60
Dibromochloromethane
Concen: 1.123 ug/l
RT: 9.92 min Scan# 986
Delta R.T. -0.02 min
Lab File: VD059704.D
Acq: 7 Aug 2018 14:52

Tgt Ion:129 Resp: 1937
Ion Ratio Lower Upper
129 100
127 0.0 40.0 119.9#





#61

1,2-Dibromoethane

Concen: 1.137 ug/l

RT: 10.14 min Scan# 1008

Delta R.T. 0.06 min

Lab File: VD059704.D

Acq: 7 Aug 2018 14:52

Instrument :

MSVOA_D

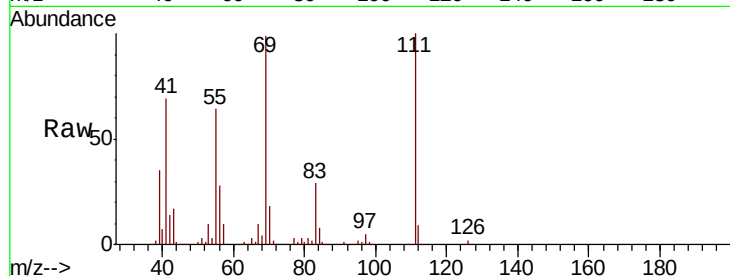
ClientSampleId :

Tot Ion:107 Resp: 1419

Ion Ratio Lower Upper

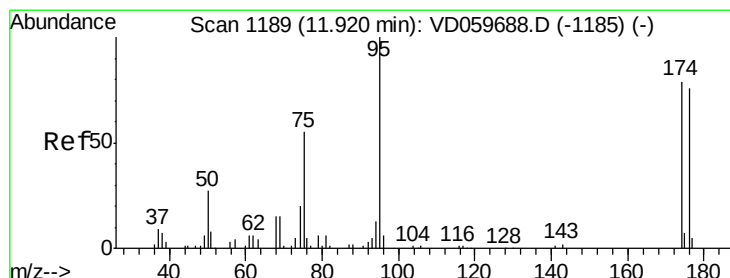
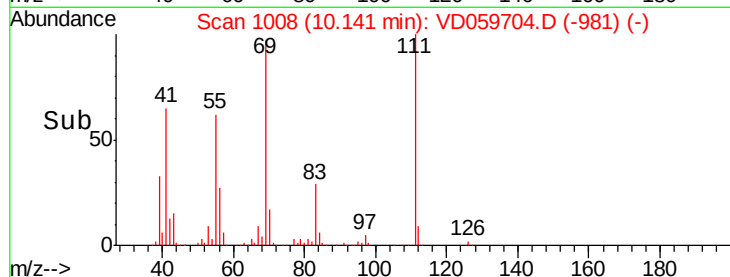
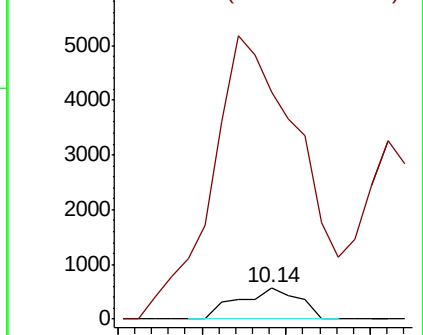
107 100

109 721.7 72.0 108.0#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 1.137 ug/l

RT: 11.93 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD059704.D

Acq: 7 Aug 2018 14:52

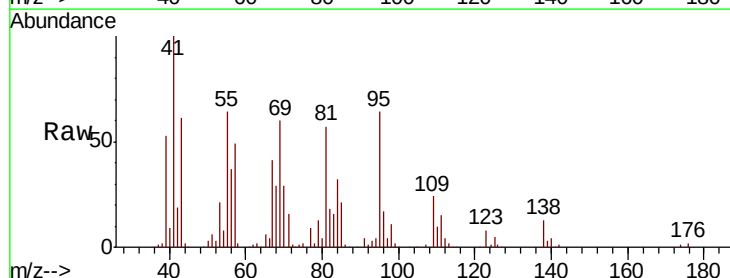
Tgt Ion: 95 Resp: 283389

Ion Ratio Lower Upper

95 100

174 2.3 0.0 158.4

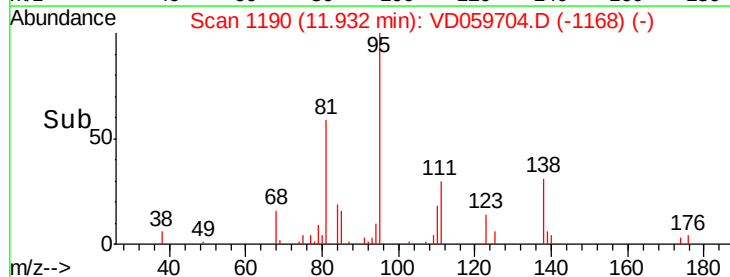
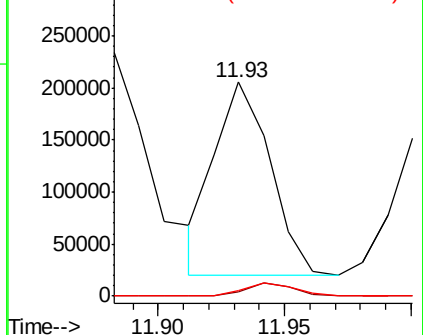
176 2.5 0.0 153.0

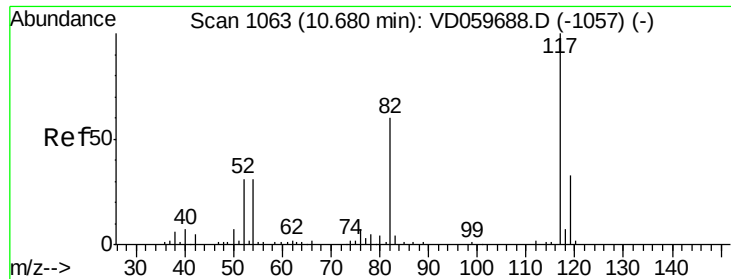


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

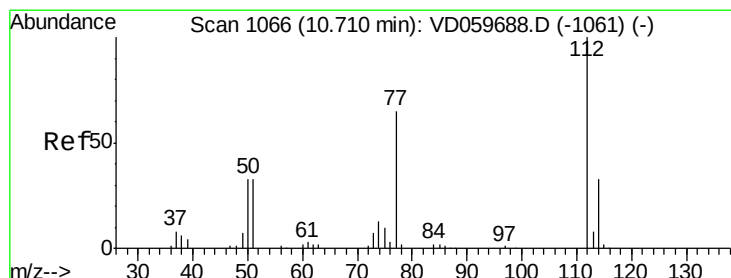
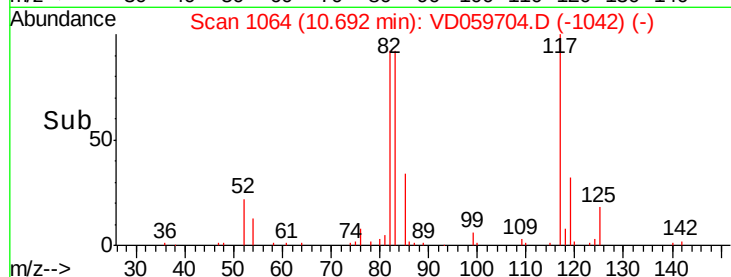
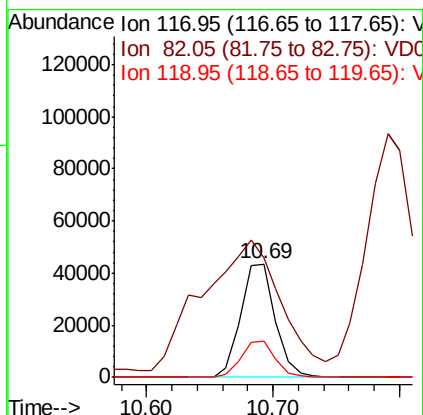
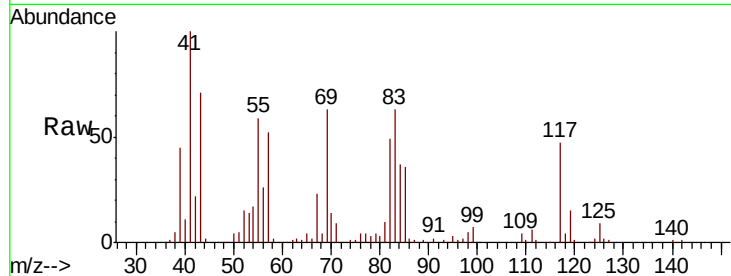




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD059704.D
Acq: 7 Aug 2018 14:52

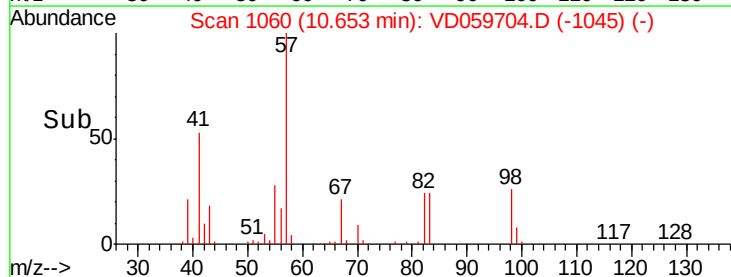
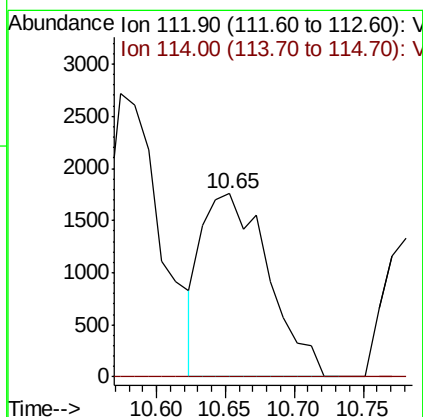
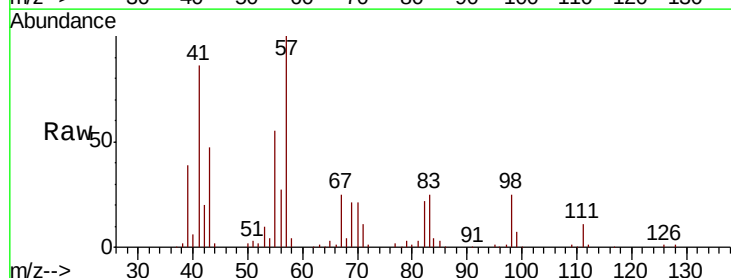
Instrument :
MSVOA_D
ClientSampled :

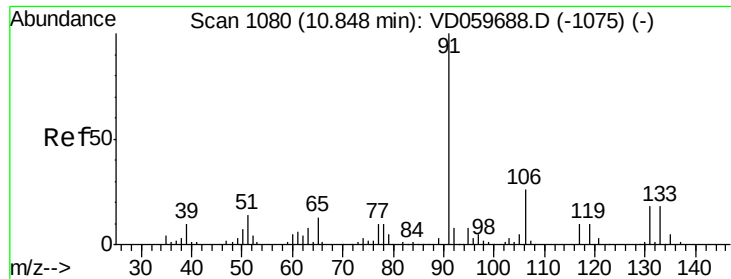
Tot Ion:117 Resp: 82781
Ion Ratio Lower Upper
117 100
82 105.1 47.7 71.5#
119 32.2 26.6 40.0



#65
Chlorobenzene
Concen: 3.379 ug/l
RT: 10.65 min Scan# 1060
Delta R.T. -0.06 min
Lab File: VD059704.D
Acq: 7 Aug 2018 14:52

Tgt Ion:112 Resp: 5894
Ion Ratio Lower Upper
112 100
114 0.0 26.1 39.1#

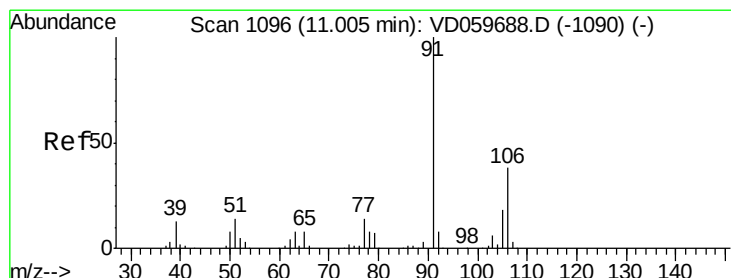
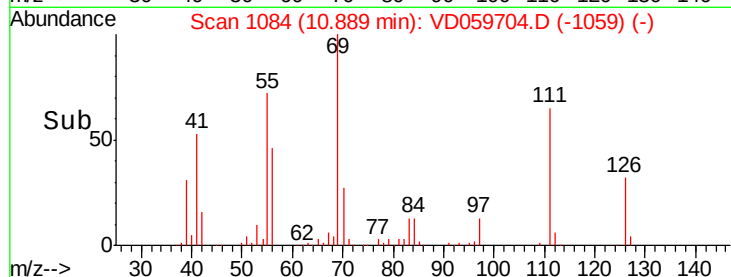
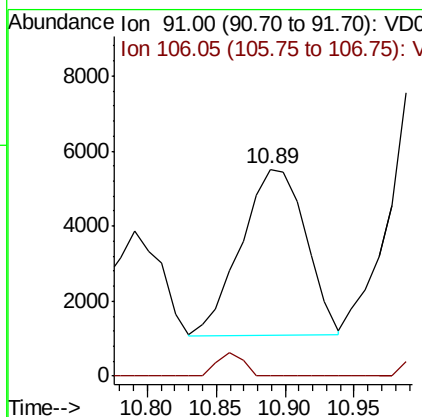
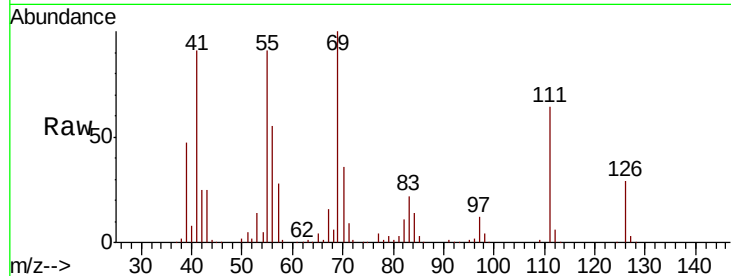




#67
Ethyl Benzene
Concen: 4.577 ug/l
RT: 10.89 min Scan# 1084
Delta R.T. 0.04 min
Lab File: VD059704.D
Acq: 7 Aug 2018 14:52

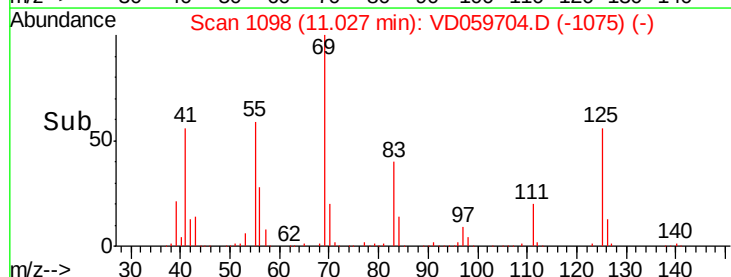
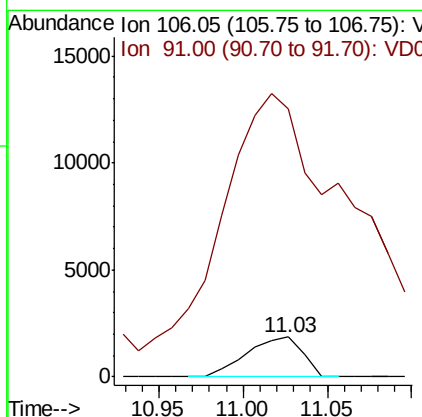
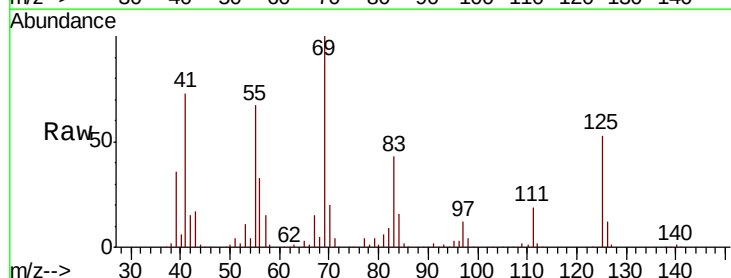
Instrument :
MSVOA_D
ClientSampled :

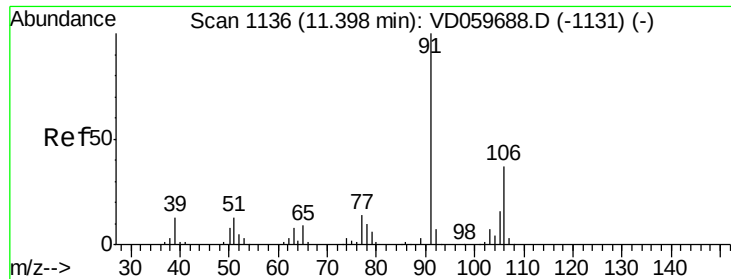
Tot Ion: 91 Resp: 14379
Ion Ratio Lower Upper
91 100
106 0.0 20.9 31.3#



#68
m/p-Xylenes
Concen: 4.178 ug/l
RT: 11.03 min Scan# 1098
Delta R.T. 0.02 min
Lab File: VD059704.D
Acq: 7 Aug 2018 14:52

Tgt Ion: 106 Resp: 4199
Ion Ratio Lower Upper
106 100
91 676.5 209.7 314.5#

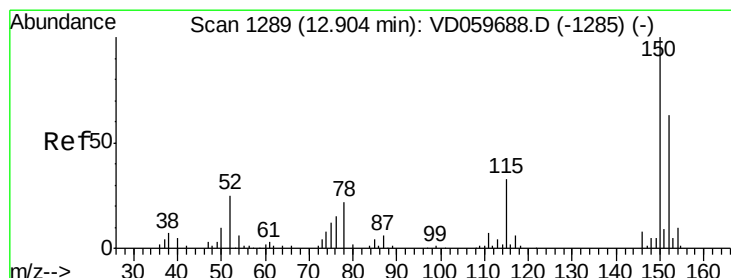
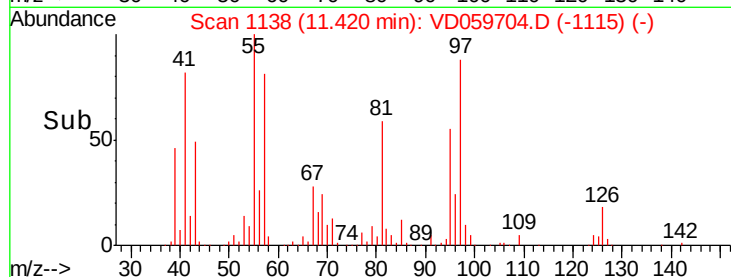
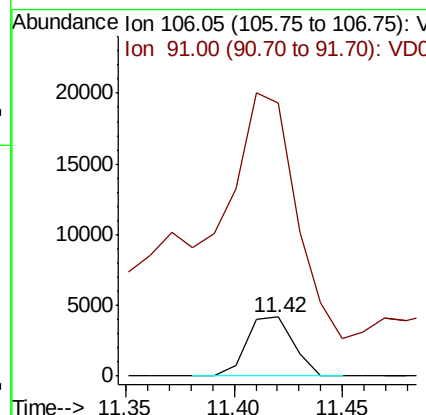
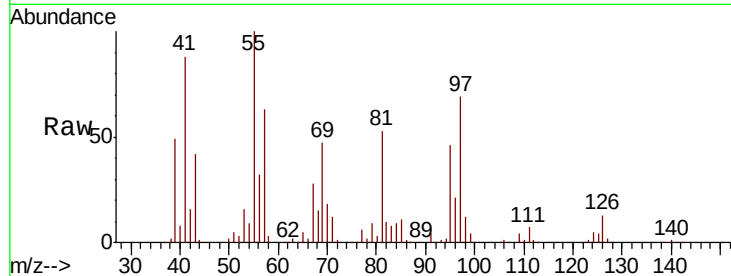




#69
o-Xylene
Concen: 6.368 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. 0.02 min
Lab File: VD059704.D
Acq: 7 Aug 2018 14:52

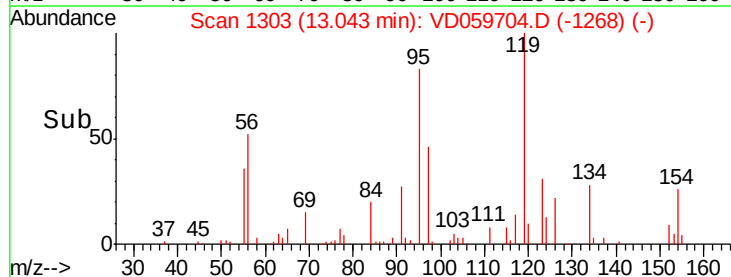
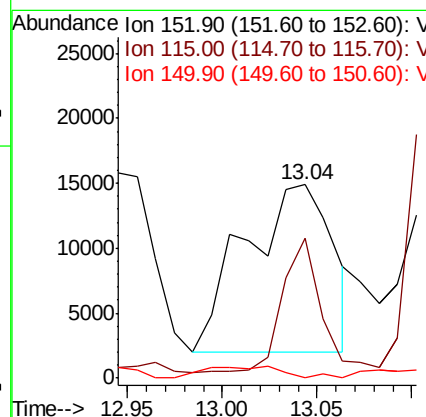
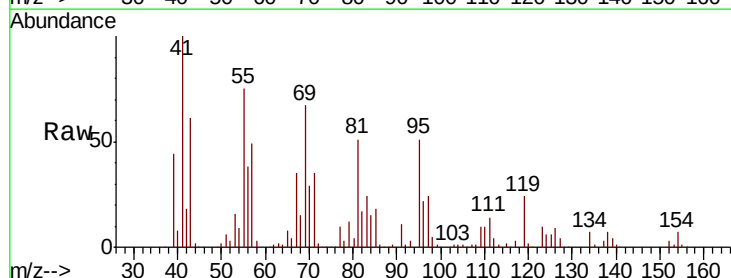
Instrument :
MSVOA_D
ClientSampled :

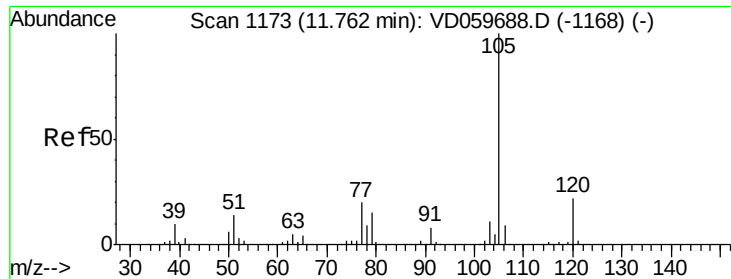
Tot Ion:106 Resp: 6222
Ion Ratio Lower Upper
106 100
91 460.6 135.2 405.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.04 min Scan# 1303
Delta R.T. 0.14 min
Lab File: VD059704.D
Acq: 7 Aug 2018 14:52

Tgt Ion:152 Resp: 41277
Ion Ratio Lower Upper
152 100
115 72.6 28.8 86.4
150 0.0 0.0 318.0





#73

Isopropylbenzene

Concen: 15.481 ug/l

RT: 11.79 min Scan# 1176

Delta R.T. 0.03 min

Lab File: VD059704.D

Acq: 7 Aug 2018 14:52

Instrument :

MSVOA_D

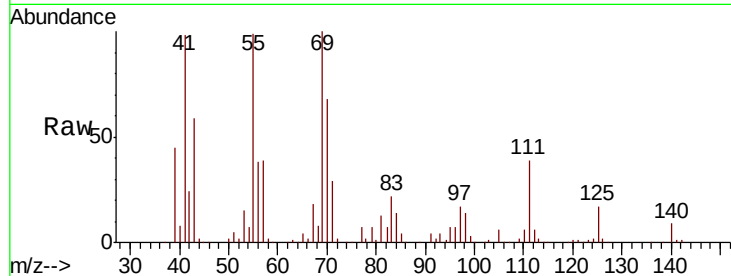
ClientSampled :

Tot Ion:105 Resp: 42945

Ion Ratio Lower Upper

105 100

120 20.5 10.8 32.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.79

25000

20000

15000

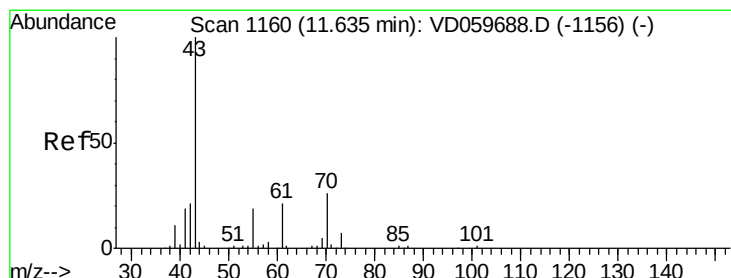
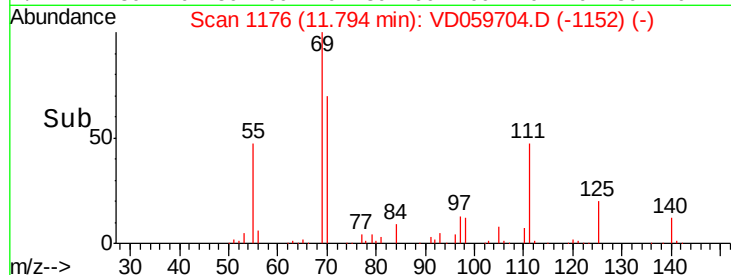
10000

5000

0

Time-->

11.70 11.75 11.80 11.85



#74

N-ethyl acetate

Concen: 3389.823 ug/l

RT: 11.65 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VD059704.D

Acq: 7 Aug 2018 14:52

Tgt Ion: 43 Resp: 3008372

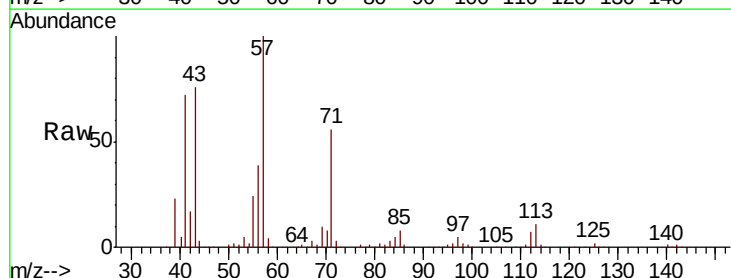
Ion Ratio Lower Upper

43 100

70 10.4 21.0 31.6#

55 31.2 15.4 23.2#

61 0.0 16.8 25.2#



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

1500000

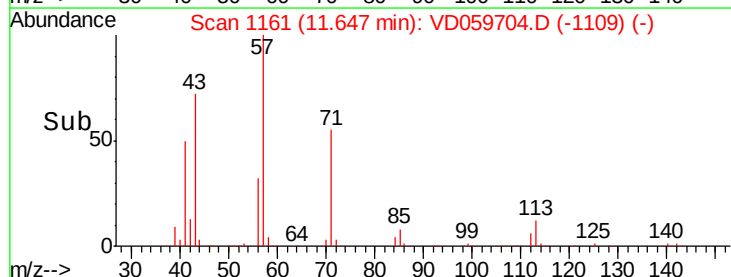
1000000

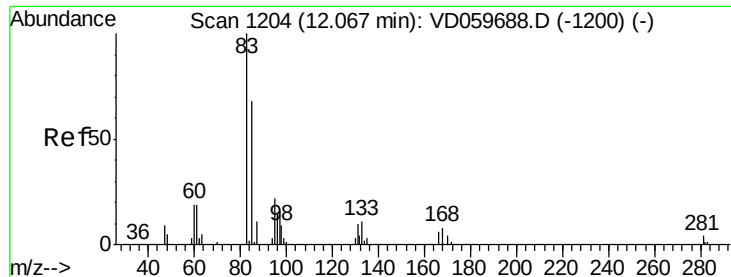
500000

0

Time-->

11.60 11.65 11.70





#75

1,1,2,2-Tetrachloroethane

Concen: 261.454 ug/l

RT: 12.02 min Scan# 1199

Delta R.T. -0.05 min

Lab File: VD059704.D

Acq: 7 Aug 2018 14:52

Instrument :

MSVOA_D

ClientSampleId :

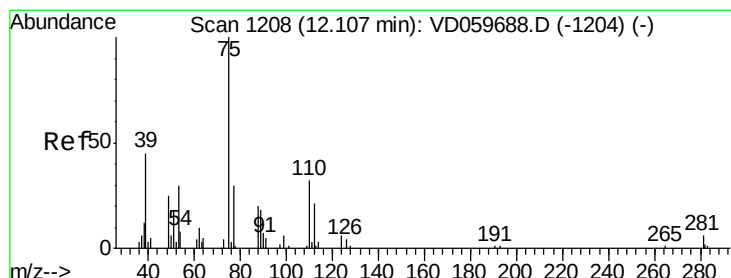
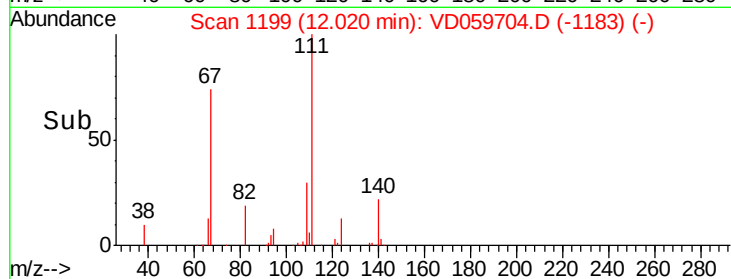
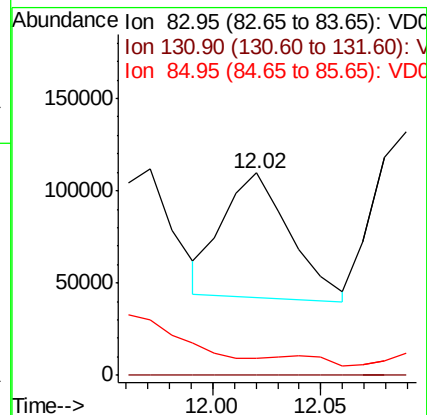
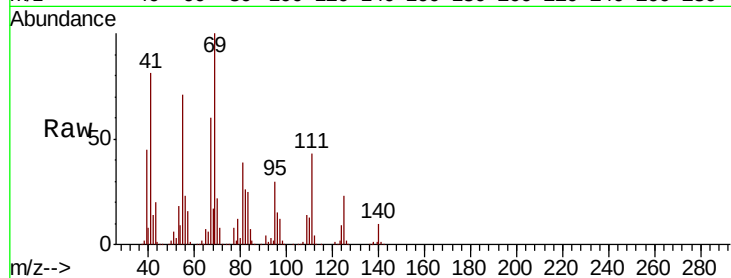
Tot Ion: 83 Resp: 145537

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.9#

85 8.5 34.1 102.2#



#76

1,2,3-Trichloropropane

Concen: 3.125 ug/l

RT: 12.12 min Scan# 1209

Delta R.T. 0.01 min

Lab File: VD059704.D

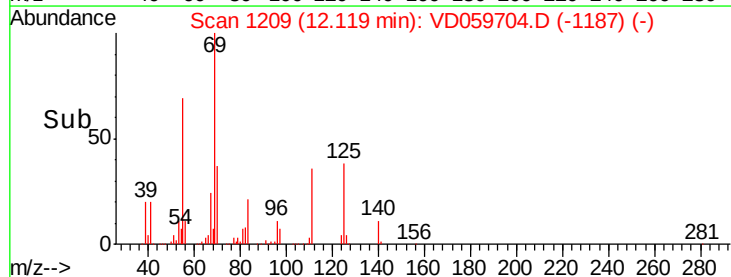
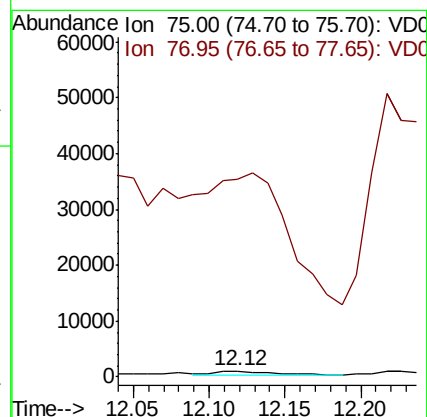
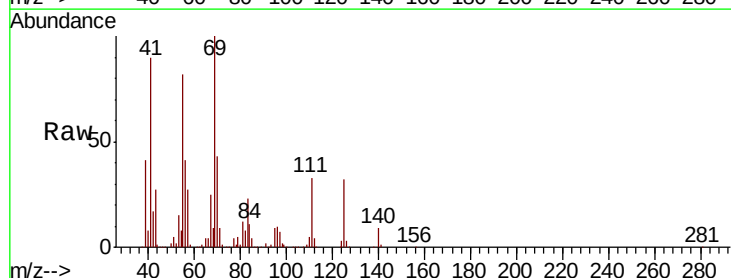
Acq: 7 Aug 2018 14:52

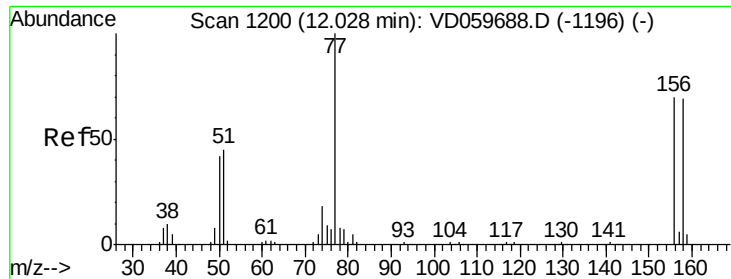
Tgt Ion: 75 Resp: 1994

Ion Ratio Lower Upper

75 100

77 3294.5 15.5 46.5#





#77

Bromobenzene

Concen: 2.234 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. 0.12 min

Lab File: VD059704.D

Acq: 7 Aug 2018 14:52

Instrument :

MSVOA_D

ClientSampleId :

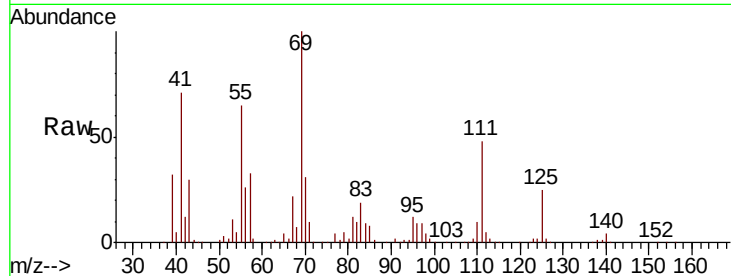
Tot Ion:156 Resp: 1806

Ion Ratio Lower Upper

156 100

77 3007.7 71.2 213.6#

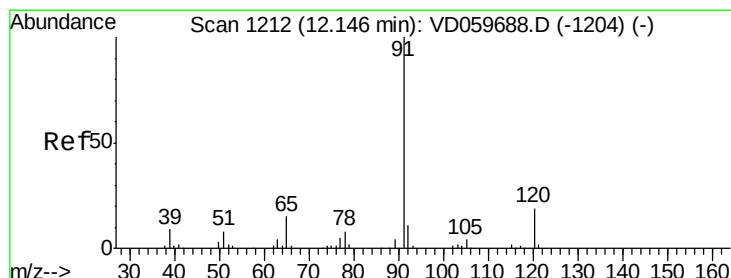
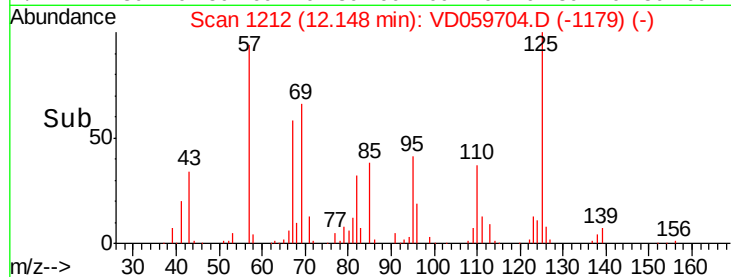
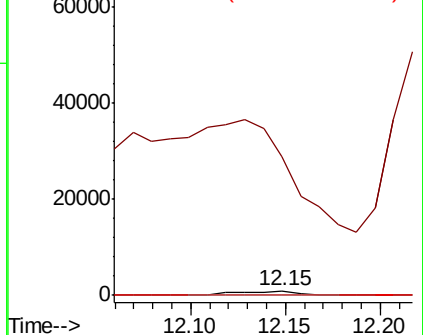
158 0.0 49.1 147.3#



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 7.258 ug/l

RT: 12.17 min Scan# 1214

Delta R.T. 0.02 min

Lab File: VD059704.D

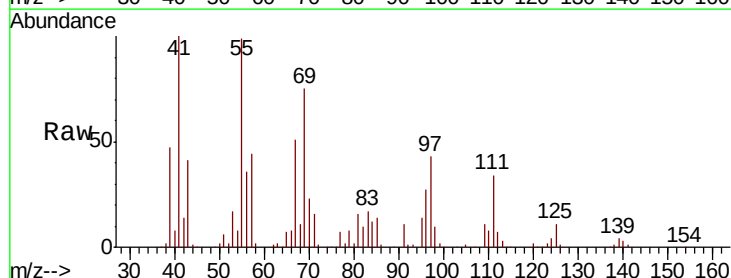
Acq: 7 Aug 2018 14:52

Tgt Ion: 91 Resp: 24951

Ion Ratio Lower Upper

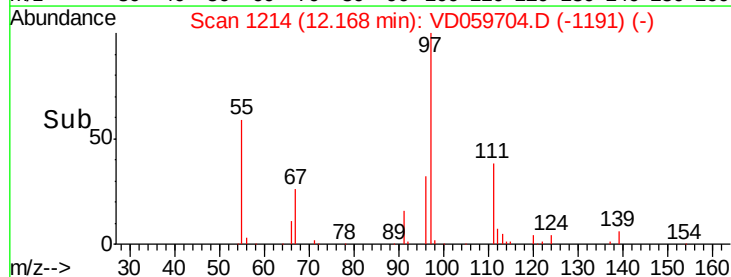
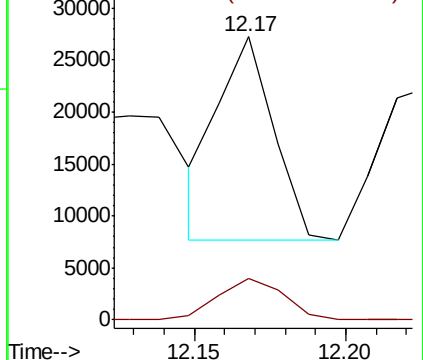
91 100

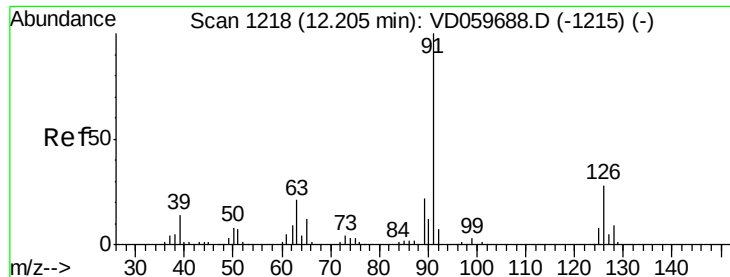
120 14.8 9.5 28.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

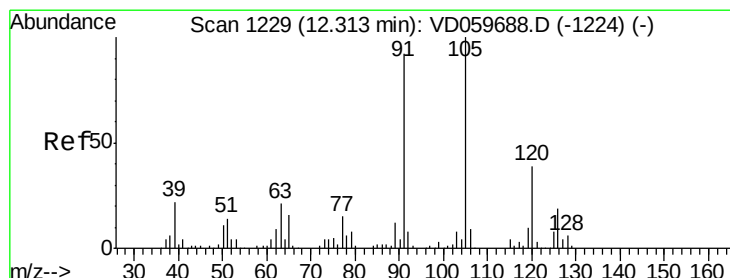
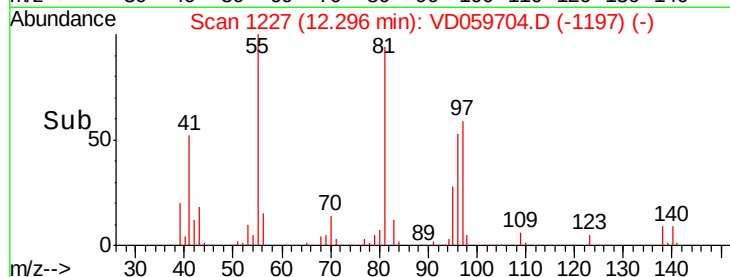
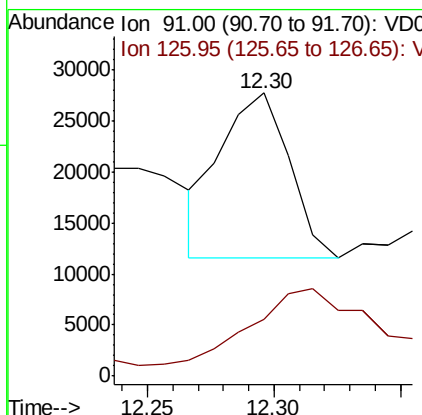
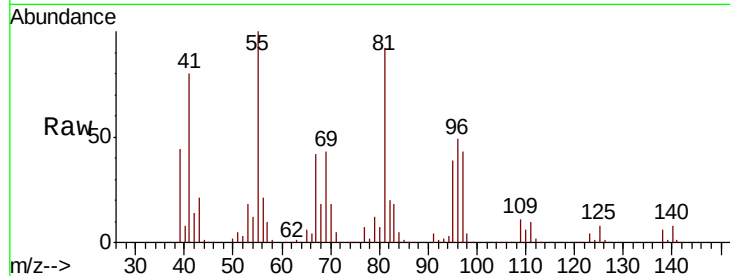




#79
 2-Chlorotoluene
 Concen: 14.660 ug/l
 RT: 12.30 min Scan# 1227
 Delta R.T. 0.09 min
 Lab File: VD059704.D
 Acq: 7 Aug 2018 14:52

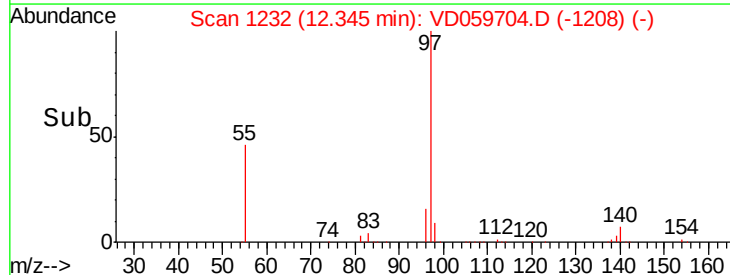
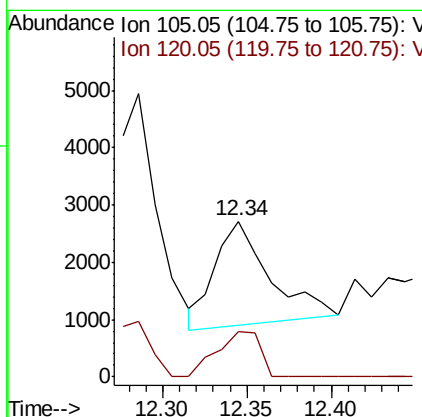
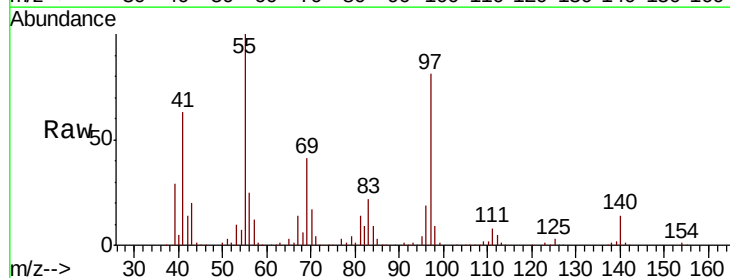
Instrument :
 MSVOA_D
 ClientSampleId :

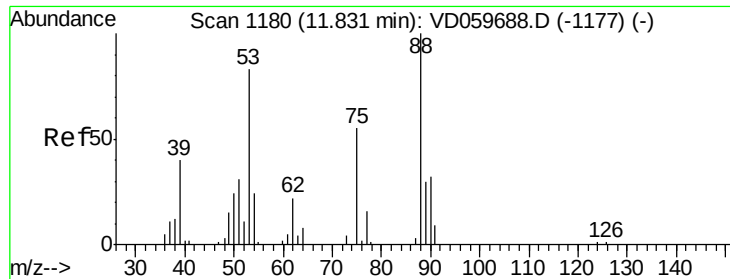
Tot Ion: 91 Resp: 30437
 Ion Ratio Lower Upper
 91 100
 126 20.3 13.7 41.0



#80
 1,3,5-Trimethylbenzene
 Concen: 1.783 ug/l
 RT: 12.34 min Scan# 1232
 Delta R.T. 0.03 min
 Lab File: VD059704.D
 Acq: 7 Aug 2018 14:52

Tgt Ion:105 Resp: 4120
 Ion Ratio Lower Upper
 105 100
 120 28.8 19.7 59.1





#81

trans-1,4-Dichloro-2-butene

Concen: 9.870 ug/l

RT: 11.86 min Scan# 1183

Delta R.T. 0.03 min

Lab File: VD059704.D

Acq: 7 Aug 2018 14:52

Instrument :

MSVOA_D

ClientSampleId :

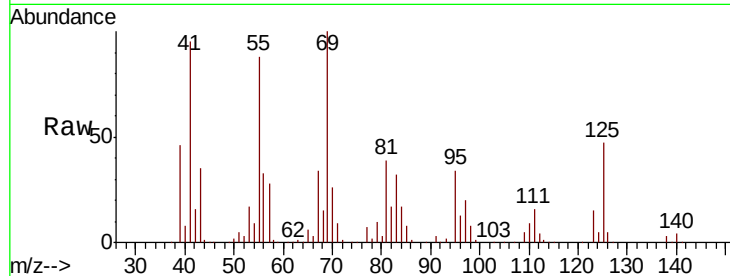
Tot Ion: 75 Resp: 1537

Ion Ratio Lower Upper

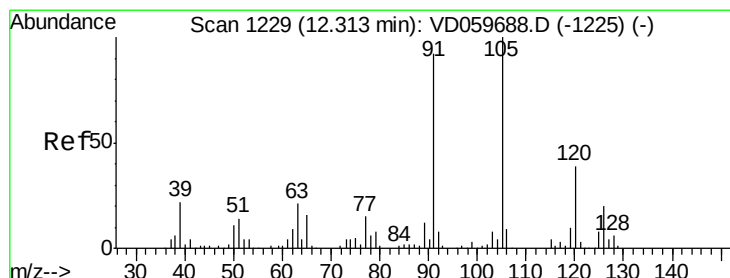
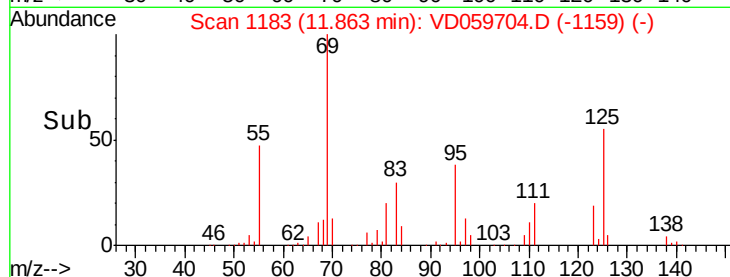
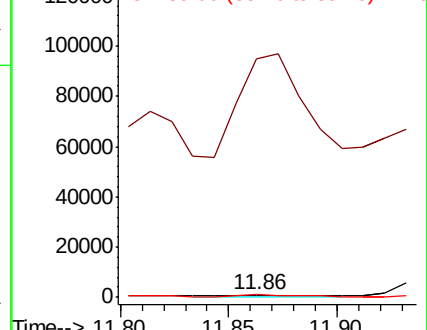
75 100

53 11991.9 120.5 180.7#

89 133.5 44.4 66.6#



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: 15.581 ug/l

RT: 12.30 min Scan# 1227

Delta R.T. -0.02 min

Lab File: VD059704.D

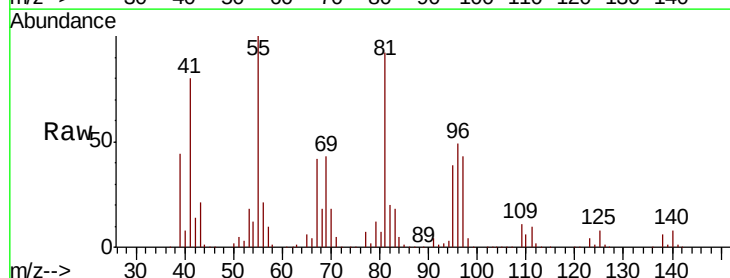
Acq: 7 Aug 2018 14:52

Tgt Ion: 91 Resp: 37868

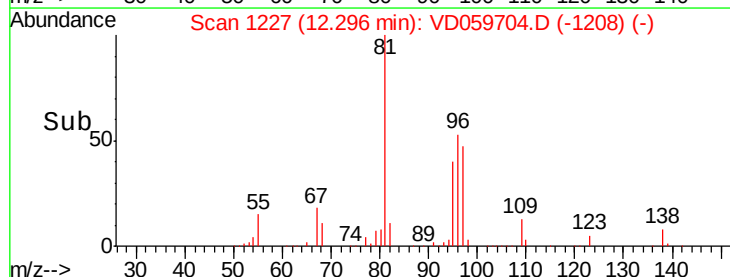
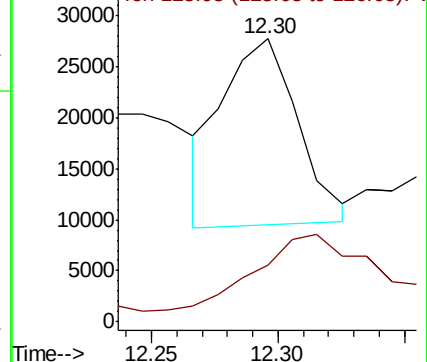
Ion Ratio Lower Upper

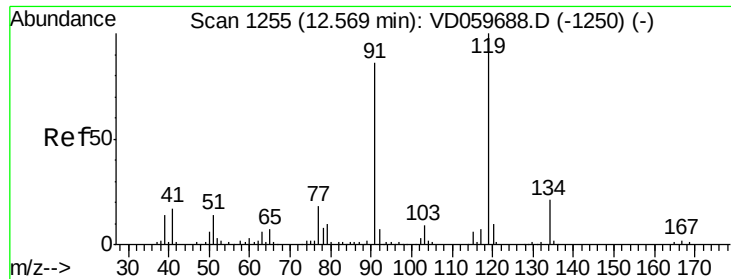
91 100

126 20.3 10.7 31.9



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

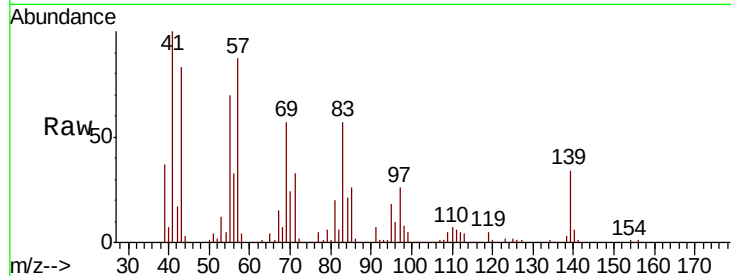




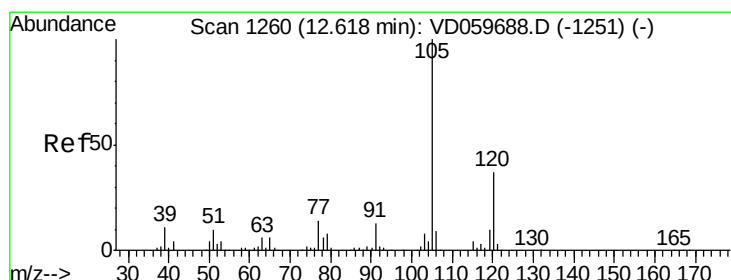
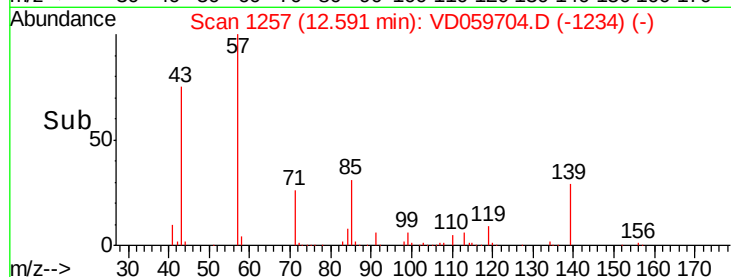
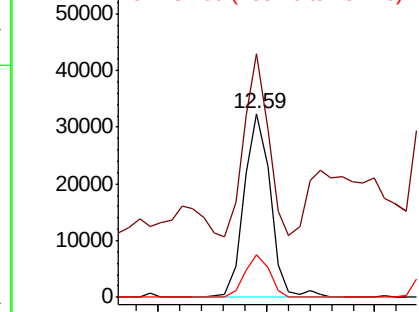
#83
 tert-Butylbenzene
 Concen: 21.149 ug/l
 RT: 12.59 min Scan# 1257
 Delta R.T. 0.02 min
 Lab File: VD059704.D
 Acq: 7 Aug 2018 14:52

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:119 Resp: 54698
 Ion Ratio Lower Upper
 119 100
 91 132.4 43.3 129.9#
 134 23.5 10.5 31.6

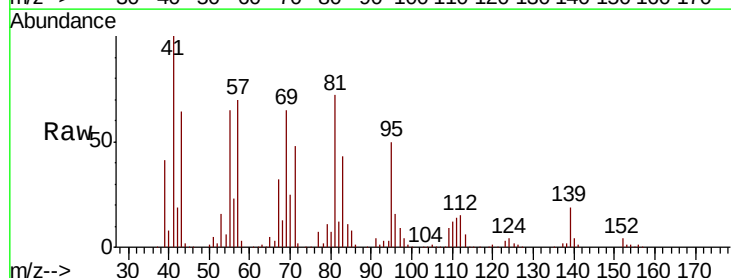


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

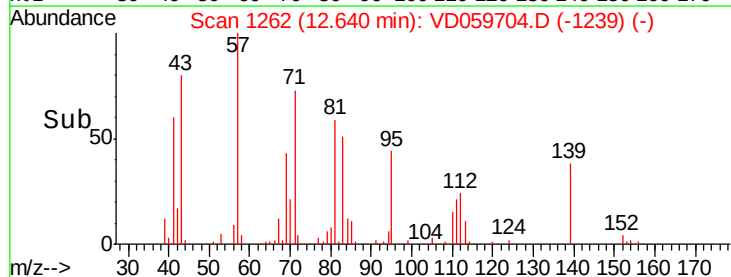
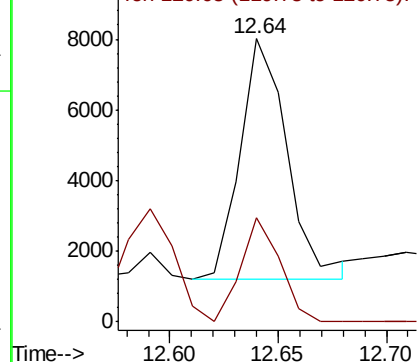


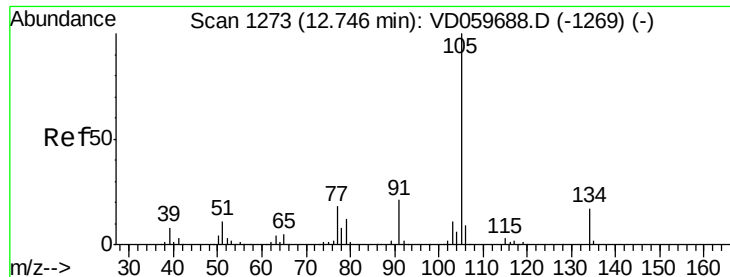
#84
 1,2,4-Trimethylbenzene
 Concen: 4.207 ug/l
 RT: 12.64 min Scan# 1262
 Delta R.T. 0.02 min
 Lab File: VD059704.D
 Acq: 7 Aug 2018 14:52

Tgt Ion:105 Resp: 10303
 Ion Ratio Lower Upper
 105 100
 120 37.0 18.7 56.1



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V

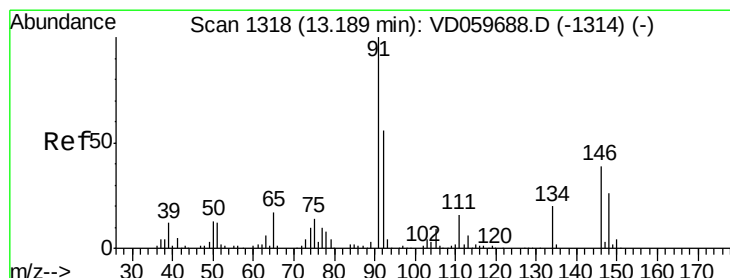
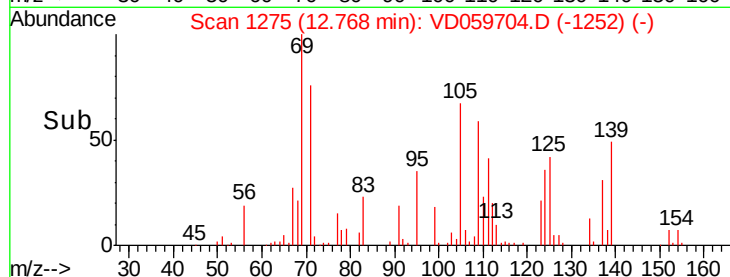
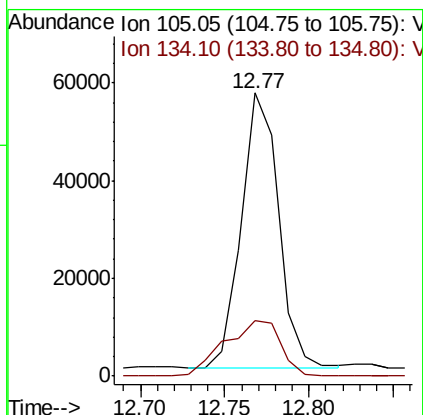
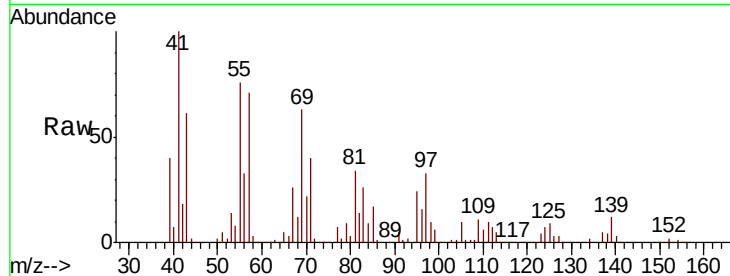




#85
 sec-Butylbenzene
 Concen: 30.209 ug/l
 RT: 12.77 min Scan# 1275
 Delta R.T. 0.02 min
 Lab File: VD059704.D
 Acq: 7 Aug 2018 14:52

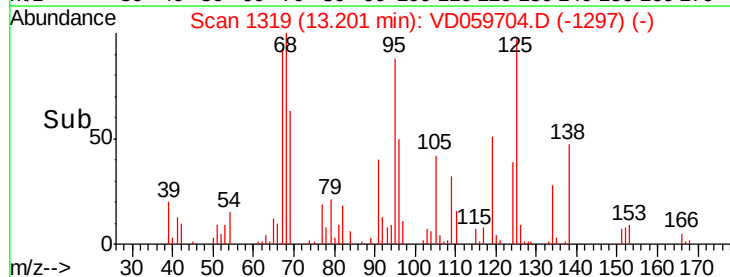
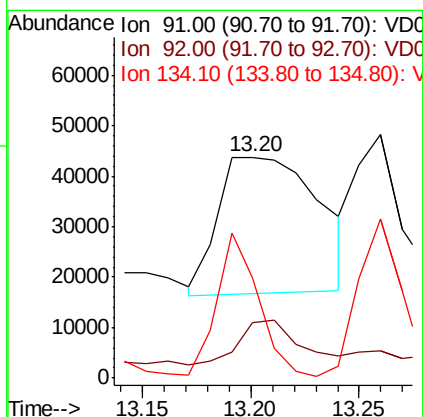
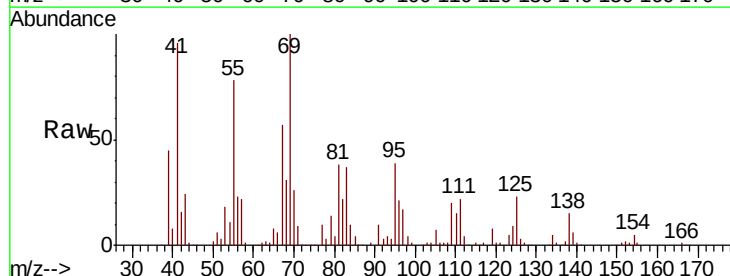
Instrument :
 MSVOA_D
 ClientSampleId :

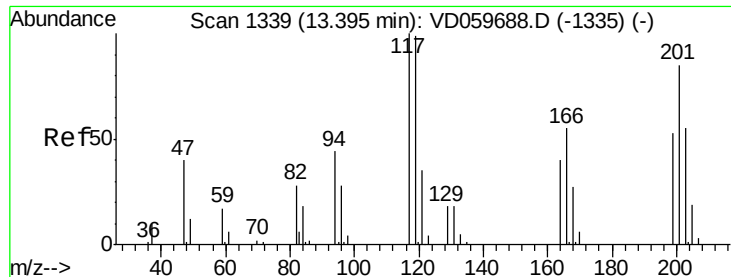
Tot Ion: 105 Resp: 86767
 Ion Ratio Lower Upper
 105 100
 134 19.6 8.3 24.9



#89
 n-Butylbenzene
 Concen: 35.011 ug/l
 RT: 13.20 min Scan# 1319
 Delta R.T. 0.01 min
 Lab File: VD059704.D
 Acq: 7 Aug 2018 14:52

Tgt Ion: 91 Resp: 86953
 Ion Ratio Lower Upper
 91 100
 92 25.3 28.2 84.6#
 134 45.3 9.8 29.5#





#90

Hexachloroethane

Concen: 315.665 ug/l

RT: 13.50 min Scan# 1349

Delta R.T. 0.10 min

Lab File: VD059704.D

Acq: 7 Aug 2018 14:52

Instrument :

MSVOA_D

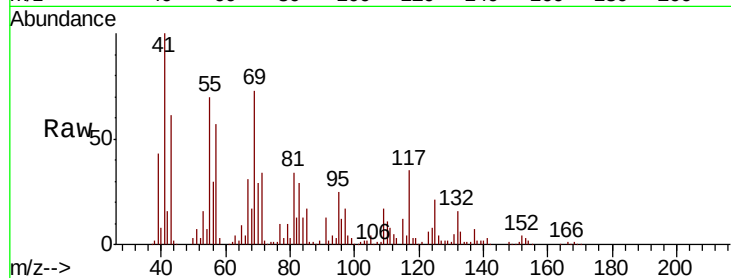
ClientSampled :

Tot Ion:117 Resp: 200394

Ion Ratio Lower Upper

117 100

201 0.0 42.4 127.1#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

250000

200000

150000

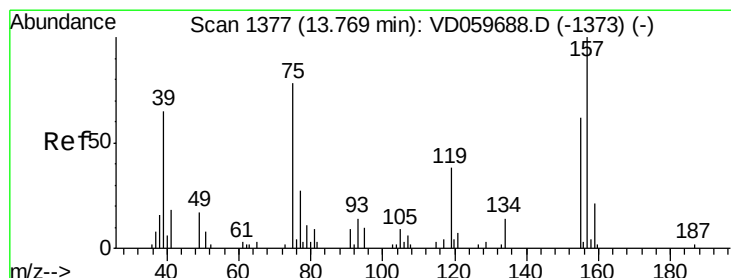
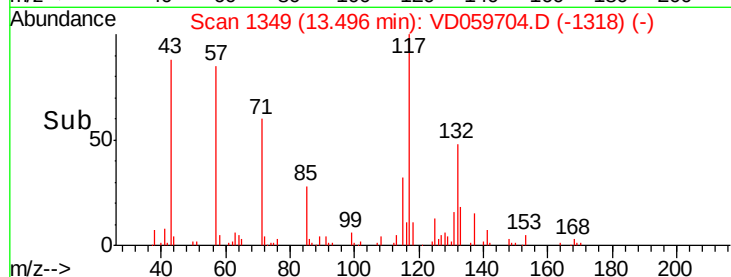
100000

50000

0

13.40 13.45 13.50

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 26.844 ug/l

RT: 13.75 min Scan# 1375

Delta R.T. -0.02 min

Lab File: VD059704.D

Acq: 7 Aug 2018 14:52

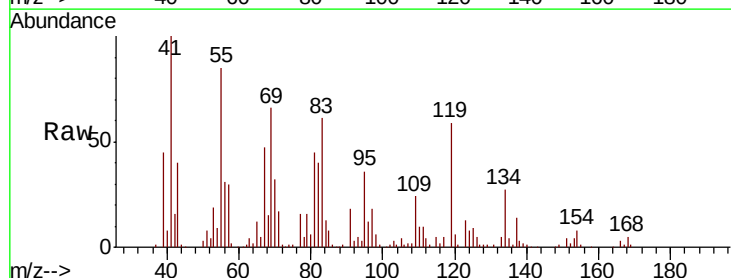
Tgt Ion: 75 Resp: 3121

Ion Ratio Lower Upper

75 100

155 119.8 40.0 119.9

157 0.0 64.3 192.7#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

10000

8000

6000

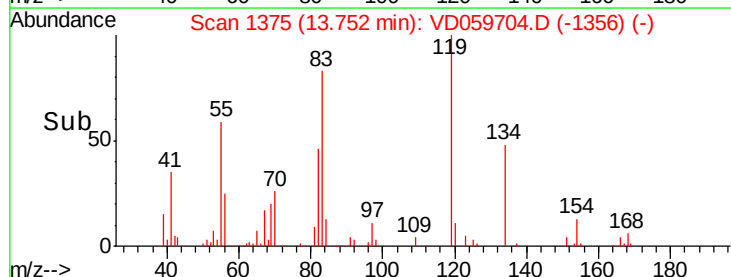
4000

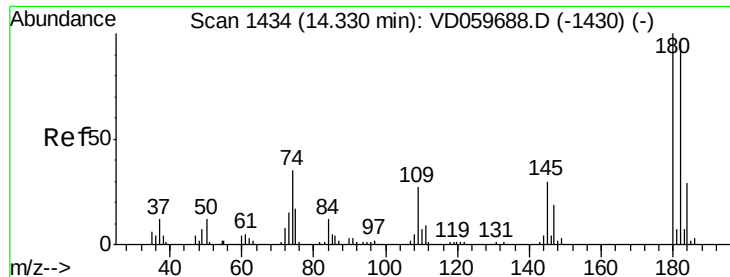
2000

0

13.75 13.80

Time-->

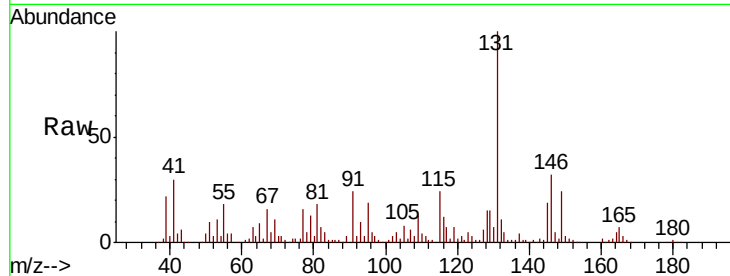




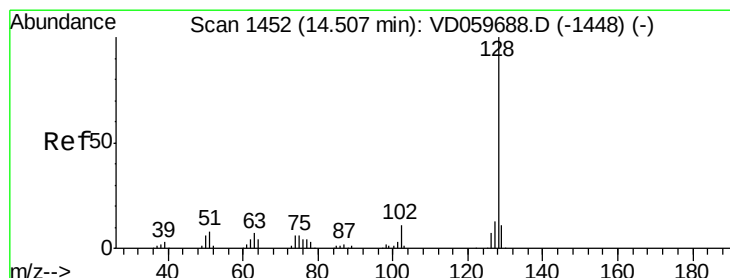
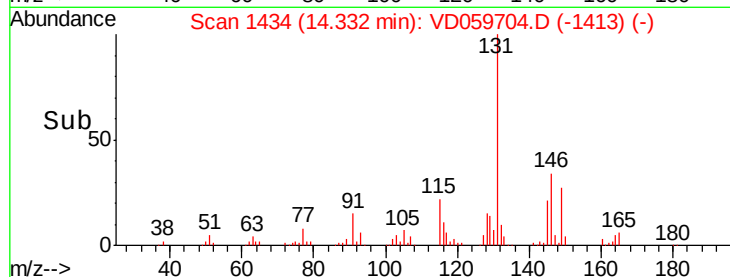
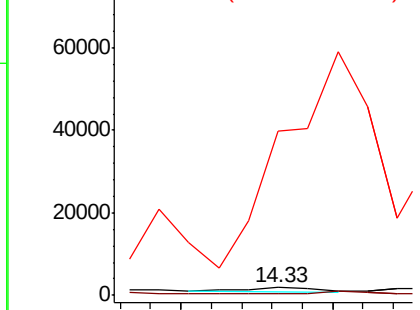
#93
 1,2,4-Trichlorobenzene
 Concen: 1.753 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD059704.D
 Acq: 7 Aug 2018 14:52

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 1853
 Ion Ratio Lower Upper
 180 100
 182 19.6 48.0 144.0#
 145 2132.5 14.8 44.4#

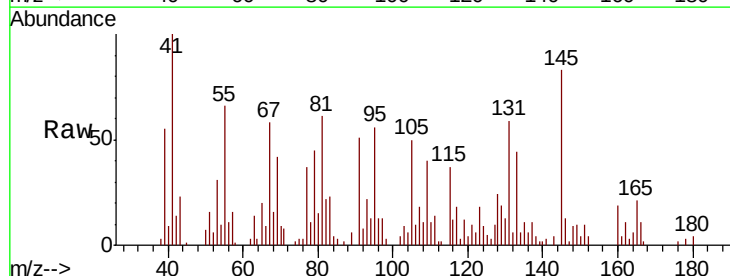


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

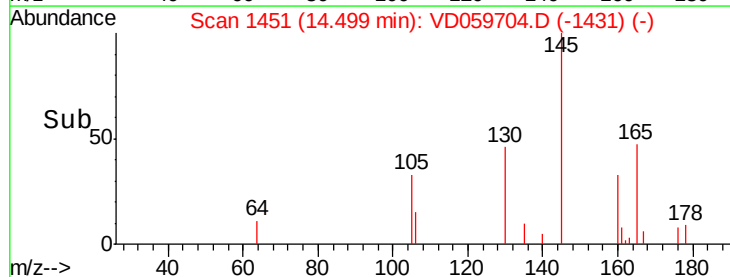
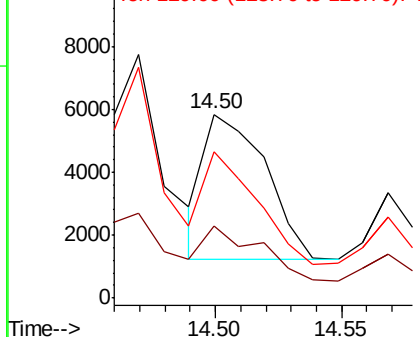


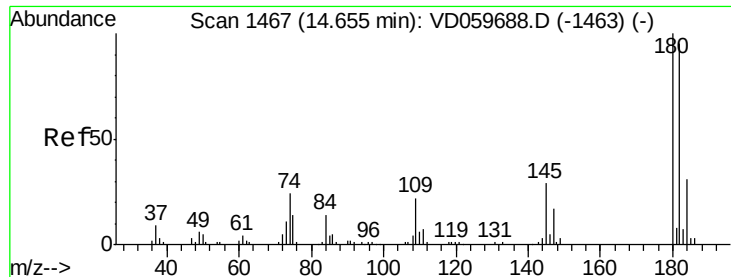
#95
 Naphthalene
 Concen: 4.919 ug/l
 RT: 14.50 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: VD059704.D
 Acq: 7 Aug 2018 14:52

Tgt Ion:128 Resp: 7701
 Ion Ratio Lower Upper
 128 100
 127 39.2 10.6 16.0#
 129 79.8 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

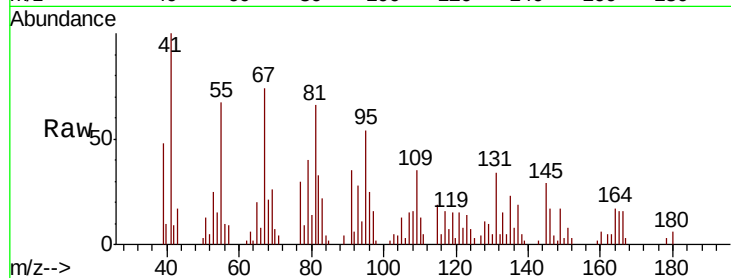




#96
 1,2,3-Trichlorobenzene
 Concen: 1.114 ug/l
 RT: 14.64 min Scan# 1465
 Delta R.T. -0.02 min
 Lab File: VD059704.D
 Acq: 7 Aug 2018 14:52

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 1030
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.5 142.5#
 145 460.4 14.5 43.5#



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

