

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032019\
 Data File : VD061211.D
 Acq On : 20 Mar 2019 16:41
 Operator : VA/AP
 Sample : K1984-01RE
 Misc : 4.95u/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 22 02:00:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	167407	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	339189	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	167415	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.48	152	71350	50.00	ug/l	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	140900	101.12	ug/l	0.00
Spiked Amount			Recovery	=	202.24%	
35) Dibromofluoromethane	6.91	113	186568	74.12	ug/l	-0.01
Spiked Amount			Recovery	=	148.24%	
50) Toluene-d8	10.40	98	373785	59.13	ug/l	0.00
Spiked Amount			Recovery	=	118.26%	
62) 4-Bromofluorobenzene	13.54	95	700564	285.62	ug/l	-0.01
Spiked Amount			Recovery	=	571.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.19	56	5072	39.515	ug/l #	67
15) Acrylonitrile	4.22	53	2597	8.283	ug/l #	34
16) Acetone	3.21	43	95704	240.175	ug/l	98
18) Methyl Acetate	3.78	43	86429	110.214	ug/l #	59
20) Methylene Chloride	3.81	84	19005	6.393	ug/l	84
25) 2-Butanone	6.00	43	143660	317.720	ug/l #	55
29) Tetrahydrofuran	6.65	42	9158	37.300	ug/l #	1
31) Cyclohexane	6.95	56	70850	28.733	ug/l	95
36) 1,1-Dichloropropene	7.03	75	10737	3.672	ug/l #	39
38) Carbon Tetrachloride	7.03	117	15440	4.794	ug/l #	11
39) Methylcyclohexane	8.84	83	918801	303.064	ug/l #	48
43) Isopropyl Acetate	9.27	43	168243	88.535	ug/l #	43
47) Bromodichloromethane	9.37	83	13797	5.022	ug/l #	24
48) Methyl methacrylate	9.09	41	163477	152.792	ug/l #	39
51) 4-Methyl-2-Pentanone	10.24	43	77696	66.739	ug/l #	39
55) 1,1,2-Trichloroethane	11.10	97	743713	491.578	ug/l #	19
56) Ethyl methacrylate	11.19	69	437656	276.371	ug/l	95
59) 2-Hexanone	11.48	43	610345	716.717	ug/l #	32
61) 1,2-Dibromoethane	11.83	107	6512	3.700	ug/l #	1
65) Chlorobenzene	12.44	112	5293	1.613	ug/l #	42
67) Ethyl Benzene	12.55	91	13662	2.796	ug/l #	43
68) m/p-Xylenes	12.62	106	11849	6.178	ug/l #	1
69) o-Xylene	13.05	106	3534	1.875	ug/l #	1
73) Isopropylbenzene	13.40	105	11547	2.246	ug/l #	70
74) N-amyl acetate	13.29	43	696620	481.131	ug/l #	33
75) 1,1,2,2-Tetrachloroethane	13.68	83	66547	66.332	ug/l #	36
78) n-propylbenzene	13.79	91	118401	19.669	ug/l #	69
79) 2-Chlorotoluene	13.89	91	31788	9.592	ug/l	72
80) 1,3,5-Trimethylbenzene	14.24	105	14168	3.629	ug/l	77
81) trans-1,4-Dichloro-2-buten	13.47	75	4569	15.097	ug/l #	1
82) 4-Chlorotoluene	13.89	91	31788	8.113	ug/l	73
83) tert-Butylbenzene	14.19	119	286251	67.005	ug/l	81
84) 1,2,4-Trimethylbenzene	14.24	105	14168	3.629	ug/l	77
85) sec-Butylbenzene	14.49	105	10031	1.923	ug/l	80

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Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration

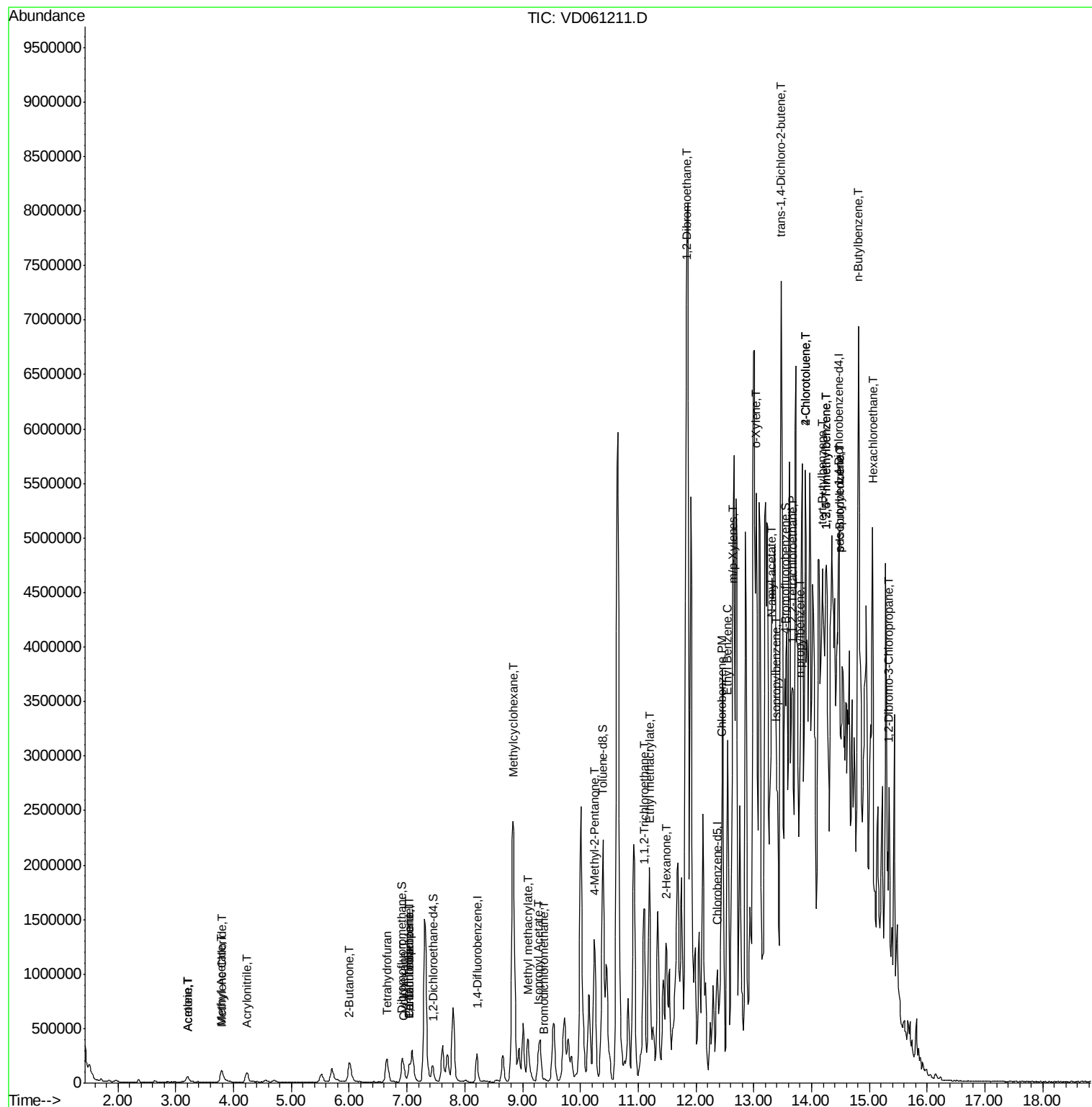
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) p-Isopropyltoluene	14.49	119	4334	1.017	ug/l #	1
89) n-Butylbenzene	14.81	91	55152	13.472	ug/l #	41
90) Hexachloroethane	15.05	117	136822	113.661	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	15.34	75	6875	56.867	ug/l #	1

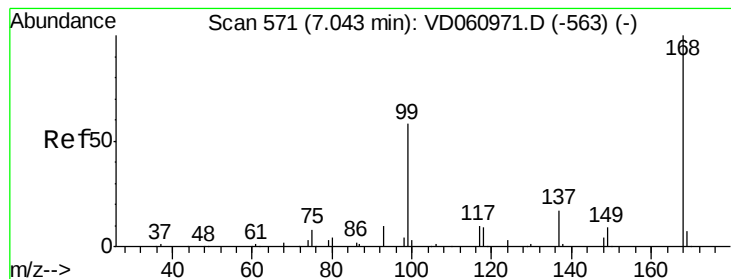
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032019\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD061211.D

Acq: 20 Mar 2019 16:41

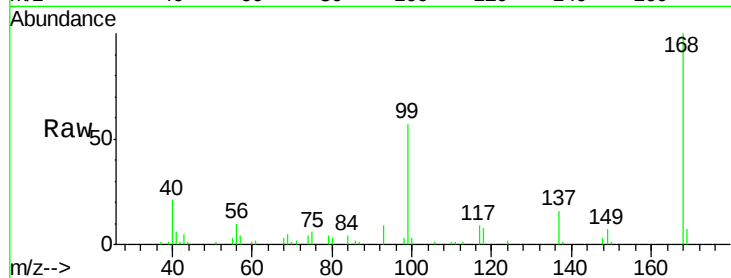
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 167407

Ion Ratio Lower Upper

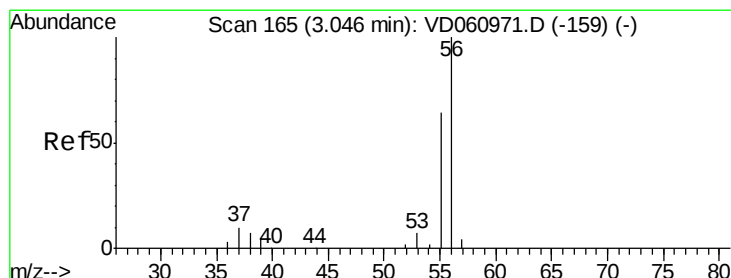
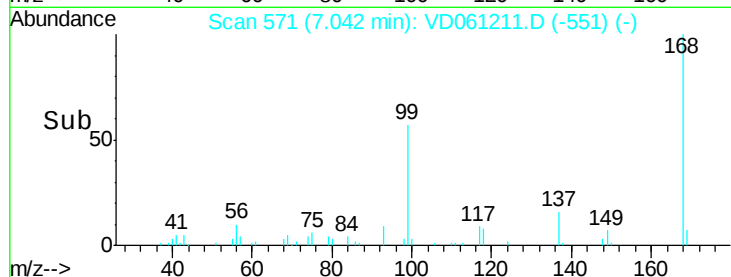
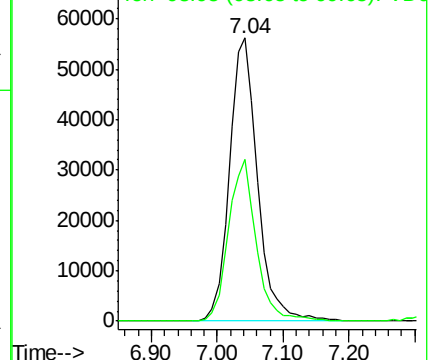
168 100

99 57.2 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#13

Acrolein

Concen: 39.515 ug/l

RT: 3.19 min Scan# 180

Delta R.T. 0.15 min

Lab File: VD061211.D

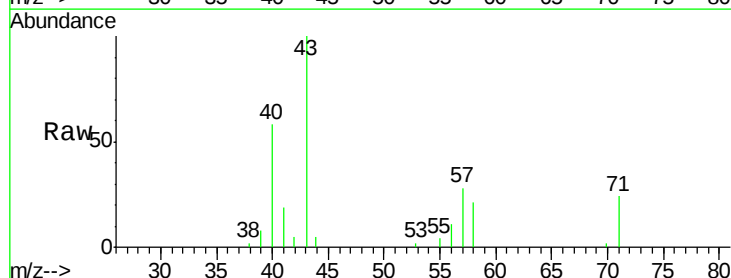
Acq: 20 Mar 2019 16:41

Tgt Ion: 56 Resp: 5072

Ion Ratio Lower Upper

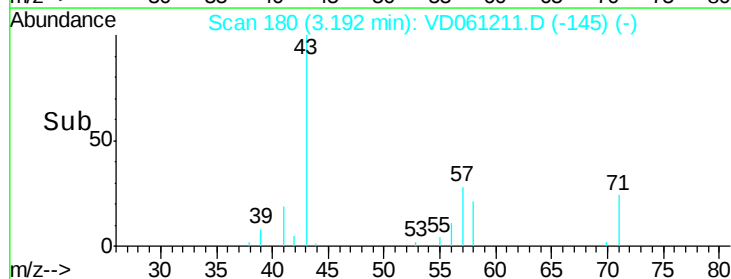
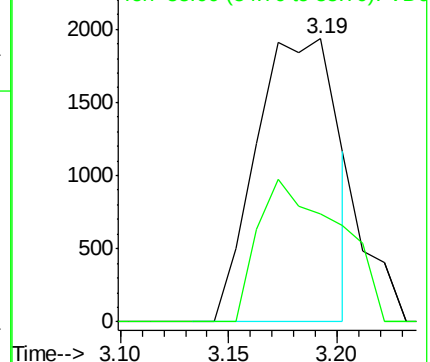
56 100

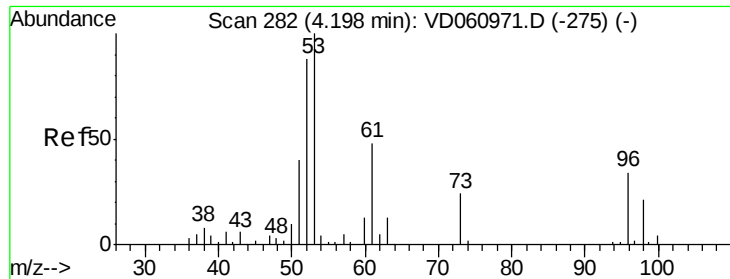
55 38.2 51.3 76.9#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC





#15

Acrylonitrile

Concen: 8.283 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD061211.D

Acq: 20 Mar 2019 16:41

Instrument :

MSVOA_D

ClientSampleId :

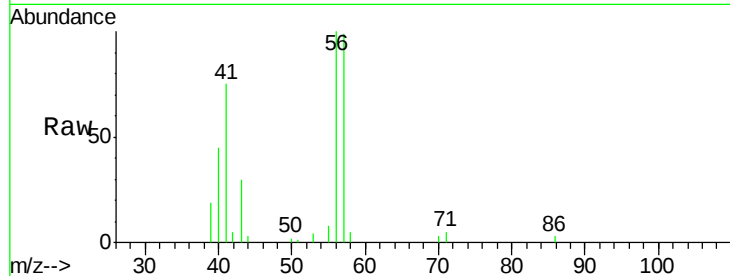
Tot Ion: 53 Resp: 2597

Ion Ratio Lower Upper

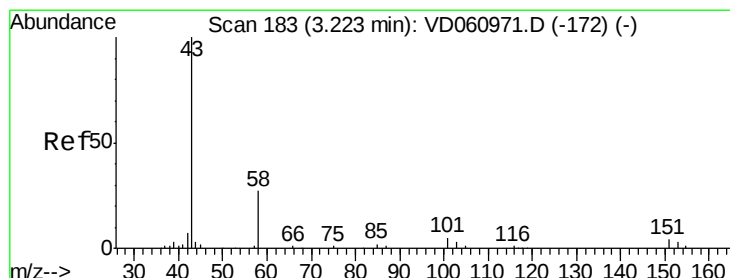
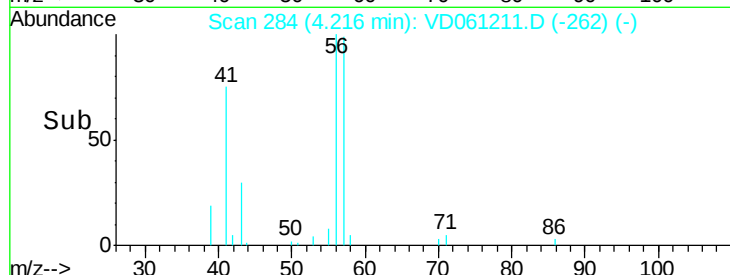
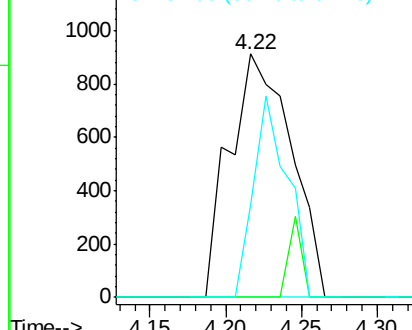
53 100

52 0.0 70.2 105.4#

51 38.2 31.7 47.5



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 240.175 ug/l

RT: 3.21 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD061211.D

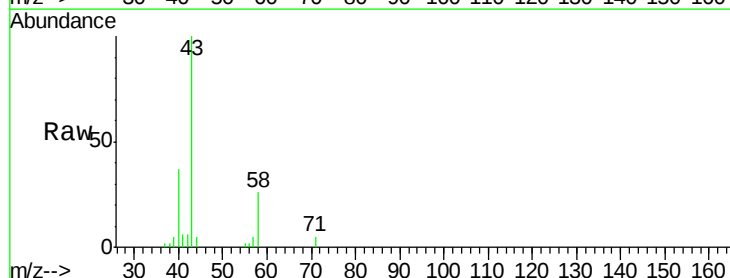
Acq: 20 Mar 2019 16:41

Tgt Ion: 43 Resp: 95704

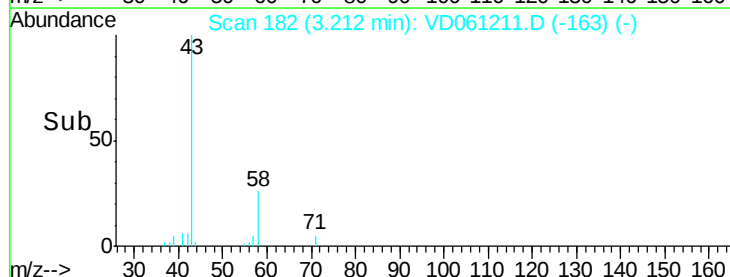
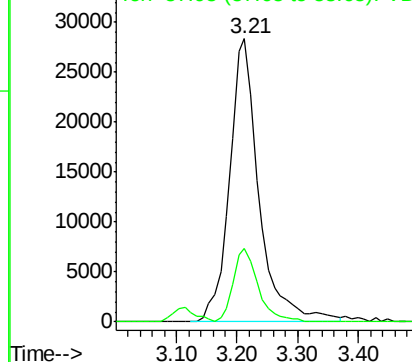
Ion Ratio Lower Upper

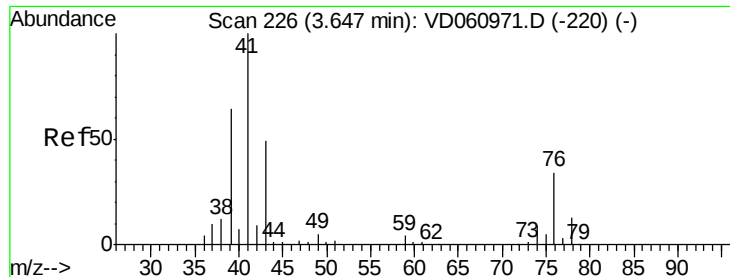
43 100

58 26.2 21.6 32.4



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

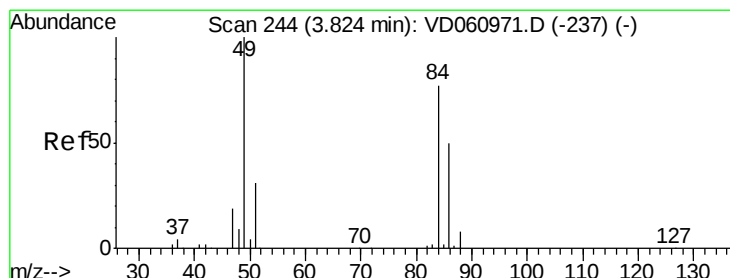
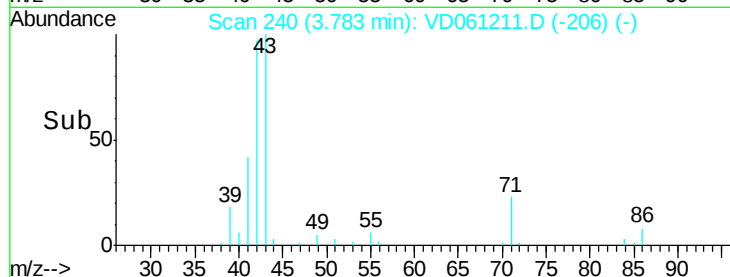
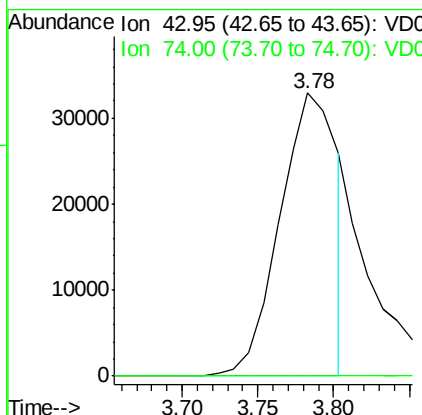
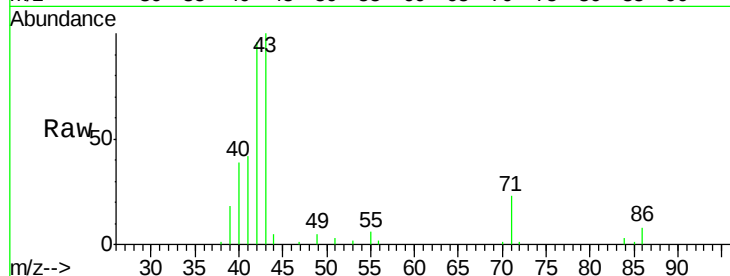




#18
Methyl Acetate
Concen: 110.214 ug/l
RT: 3.78 min Scan# 240
Delta R.T. 0.14 min
Lab File: VD061211.D
Acq: 20 Mar 2019 16:41

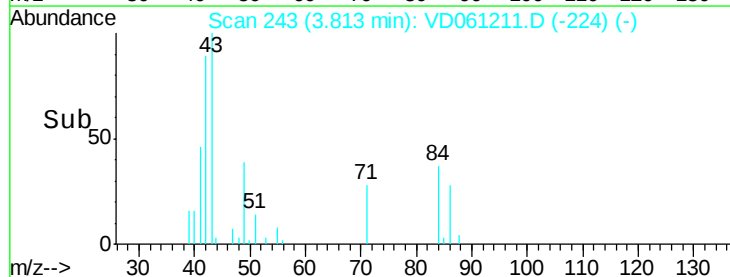
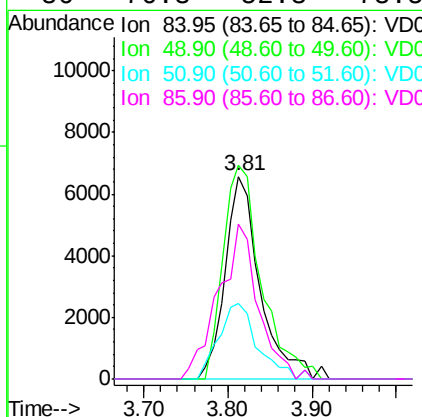
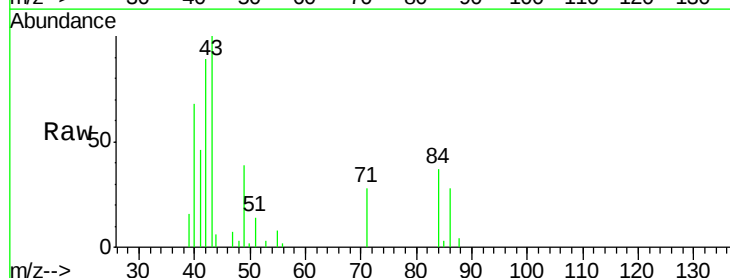
Instrument :
MSVOA_D
ClientSampleId :

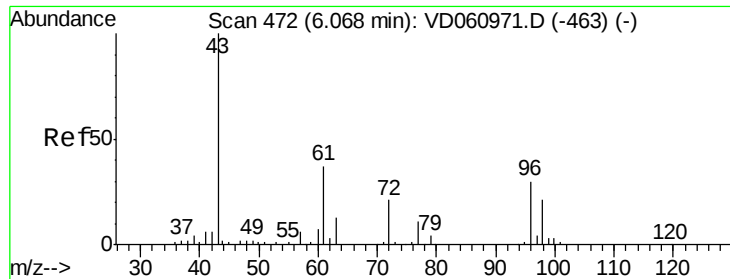
Tot Ion: 43 Resp: 86429
Ion Ratio Lower Upper
43 100
74 0.0 14.6 21.8#



#20
Methylene Chloride
Concen: 6.393 ug/l
RT: 3.81 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD061211.D
Acq: 20 Mar 2019 16:41

Tgt Ion: 84 Resp: 19005
Ion Ratio Lower Upper
84 100
49 105.5 104.2 156.2
51 37.5 32.3 48.5
86 76.3 52.3 78.5





#25

2-Butanone

Concen: 317.720 ug/l

RT: 6.00 min Scan# 465

Delta R.T. -0.07 min

Lab File: VD061211.D

Acq: 20 Mar 2019 16:41

Instrument :

MSVOA_D

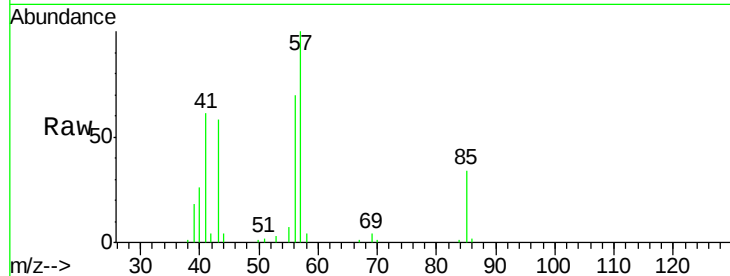
ClientSampleId :

Tot Ion: 43 Resp: 143660

Ion Ratio Lower Upper

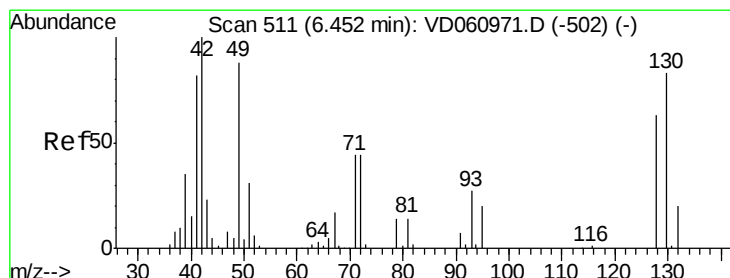
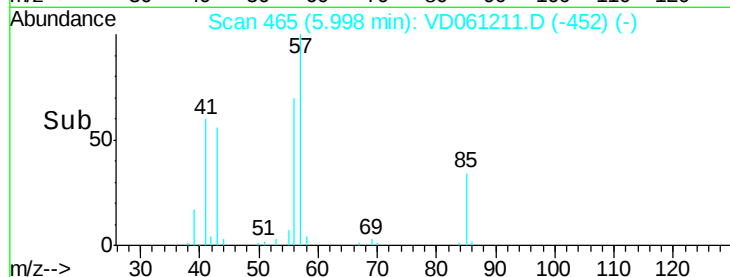
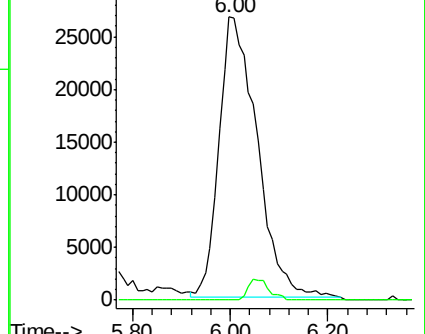
43 100

72 0.0 16.7 25.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 37.300 ug/l

RT: 6.65 min Scan# 531

Delta R.T. 0.20 min

Lab File: VD061211.D

Acq: 20 Mar 2019 16:41

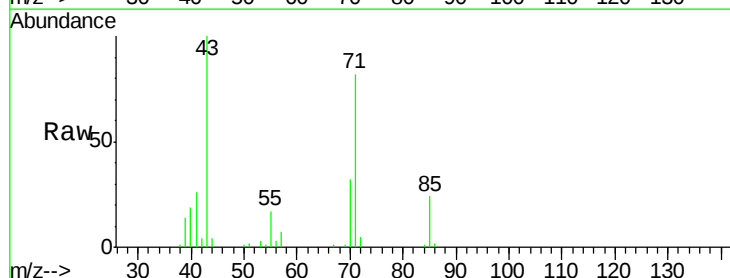
Tgt Ion: 42 Resp: 9158

Ion Ratio Lower Upper

42 100

72 110.5 34.5 51.7#

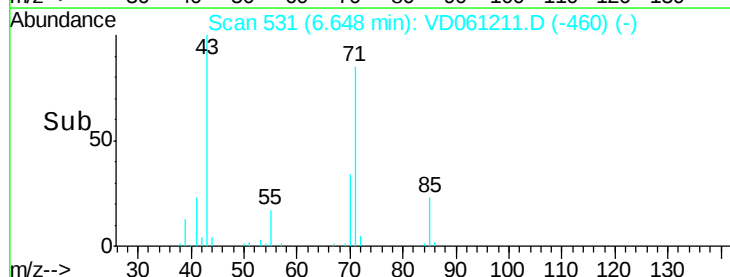
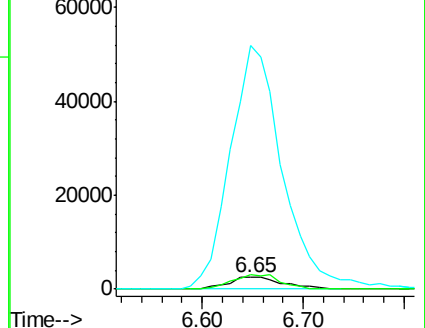
71 2056.9 33.8 50.6#

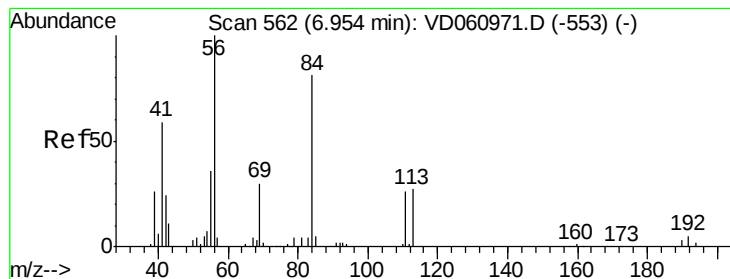


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#31

Cyclohexane

Concen: 28.733 ug/l

RT: 6.95 min Scan# 562

Delta R.T. -0.00 min

Lab File: VD061211.D

Acq: 20 Mar 2019 16:41

Instrument :

MSVOA_D

ClientSampleId :

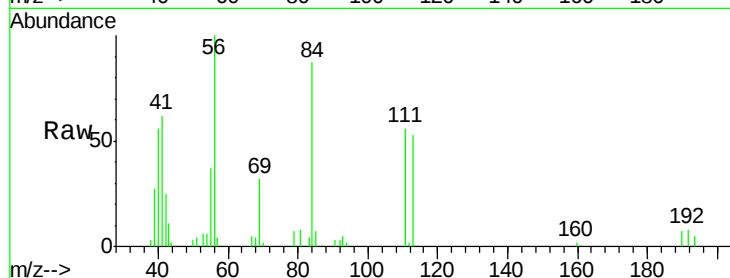
Tot Ion: 56 Resp: 70850

Ion Ratio Lower Upper

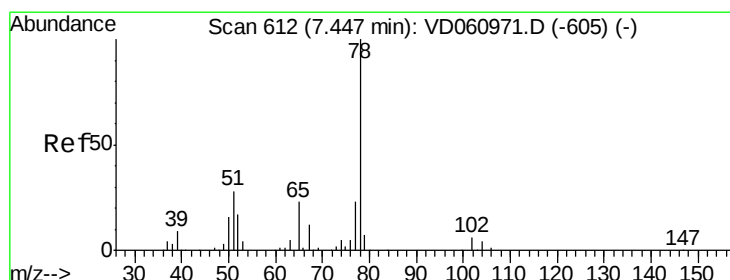
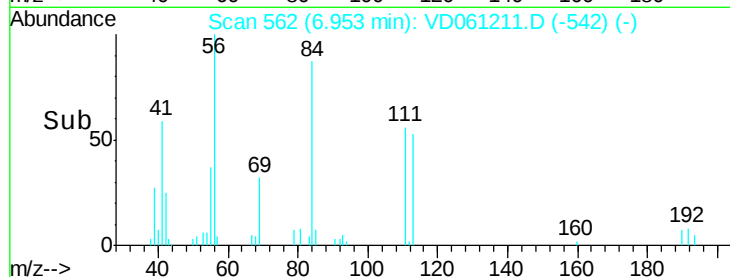
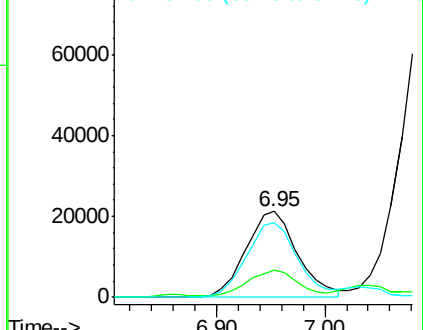
56 100

69 32.2 24.0 36.0

84 87.0 65.8 98.6



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.00 min

Lab File: VD061211.D

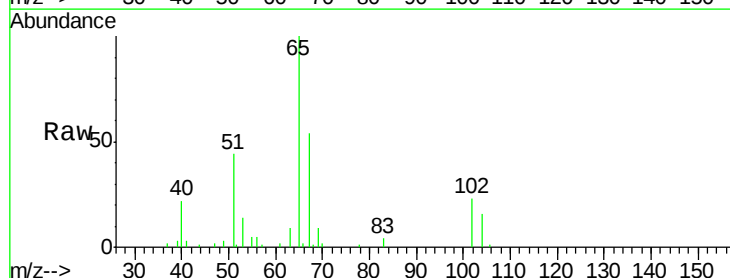
Acq: 20 Mar 2019 16:41

Tgt Ion: 65 Resp: 140900

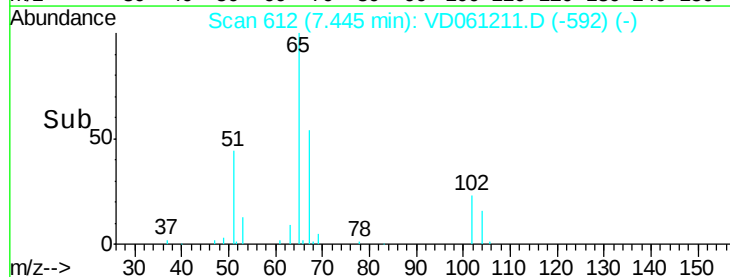
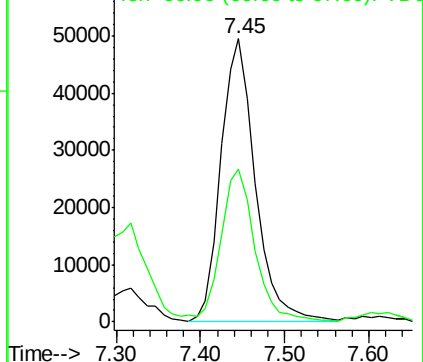
Ion Ratio Lower Upper

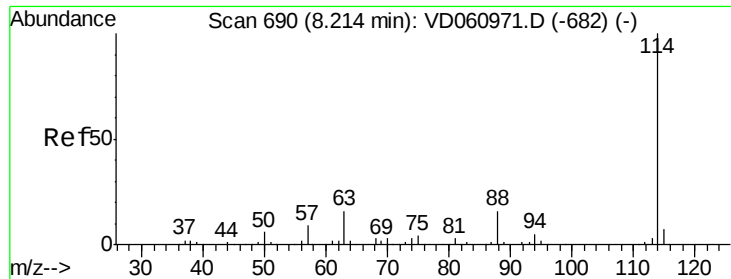
65 100

67 54.0 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 690

Delta R.T. -0.00 min

Lab File: VD061211.D

Acq: 20 Mar 2019 16:41

Instrument :

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ClientSampleId :

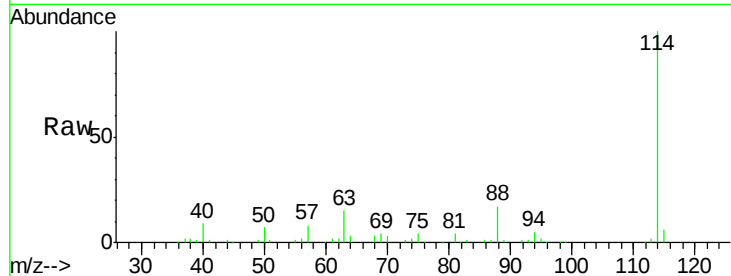
Tot Ion:114 Resp: 339189

Ion Ratio Lower Upper

114 100

63 14.7 0.0 31.4

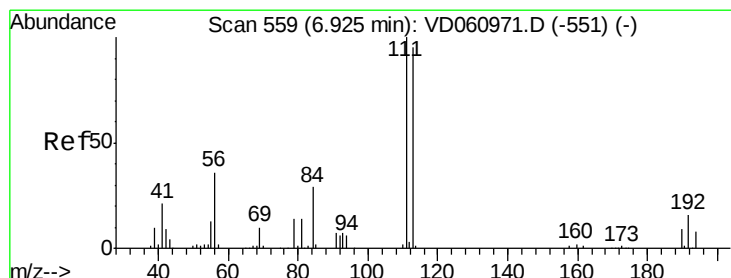
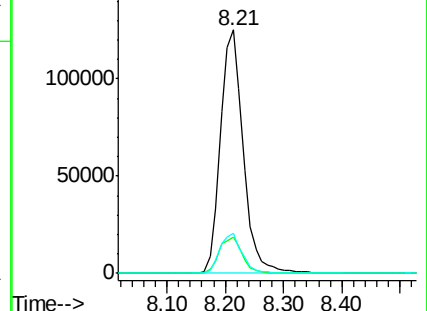
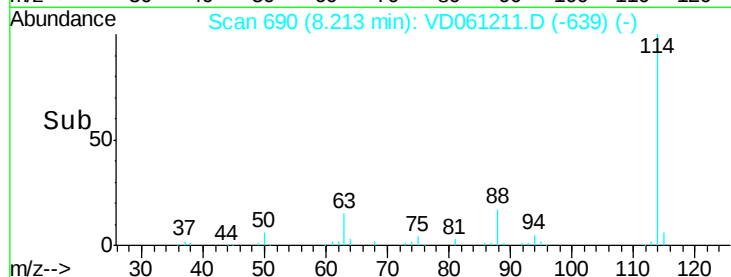
88 16.7 0.0 33.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD061211.D

Acq: 20 Mar 2019 16:41

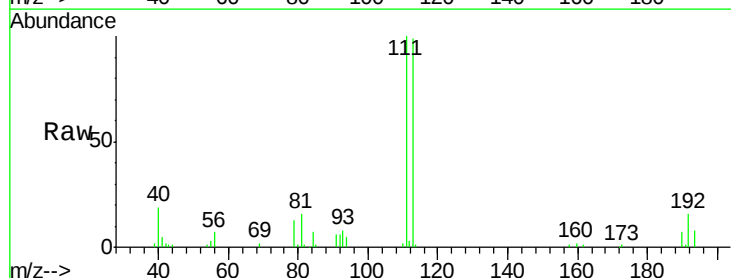
Tgt Ion:113 Resp: 186568

Ion Ratio Lower Upper

113 100

111 101.2 84.2 126.4

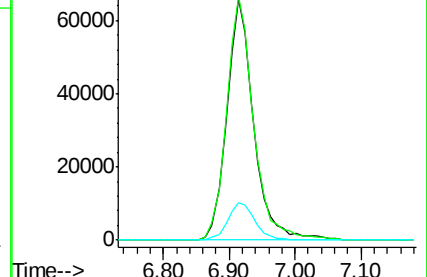
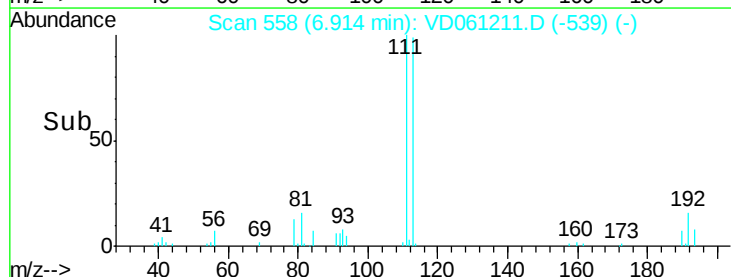
192 15.7 13.1 19.7

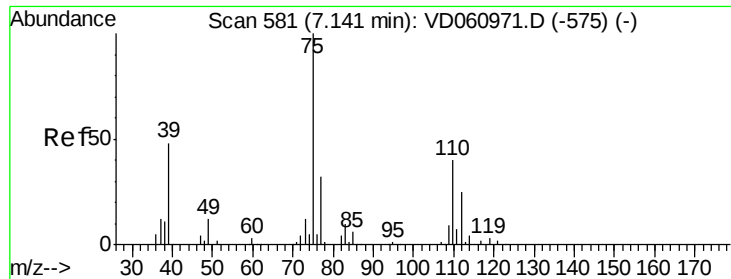


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 3.672 ug/l

RT: 7.03 min Scan# 570

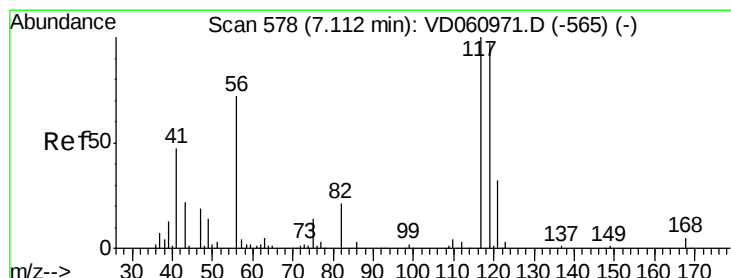
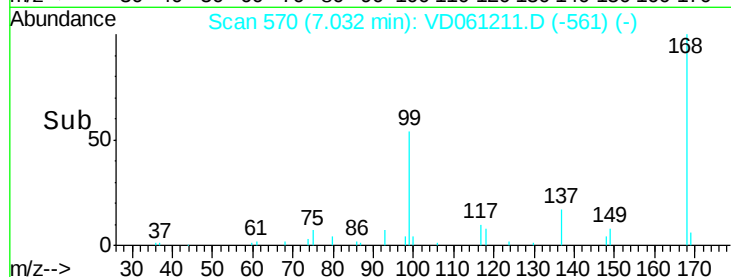
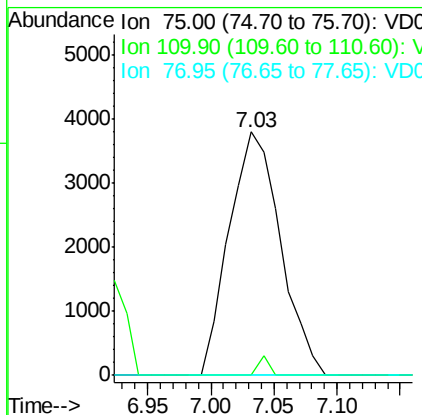
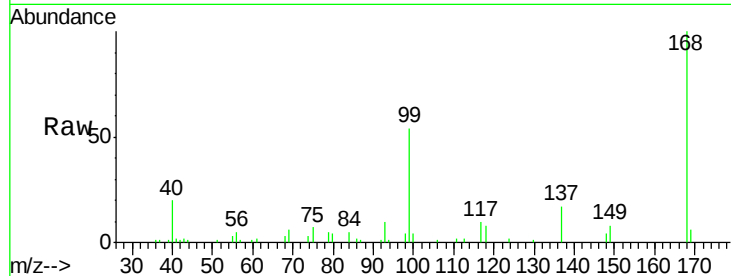
Delta R.T. -0.11 min

Lab File: VD061211.D

Acq: 20 Mar 2019 16:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 10737
Ion Ratio Lower Upper
75 100
110 0.0 19.7 59.1#
77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 4.794 ug/l

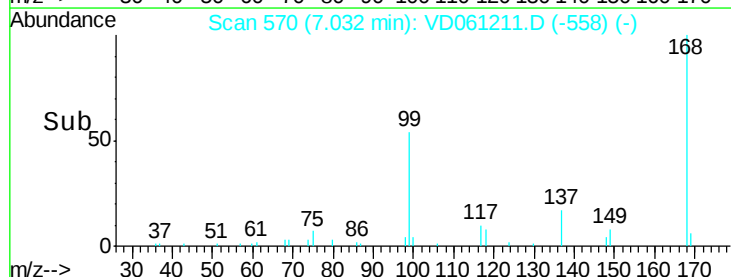
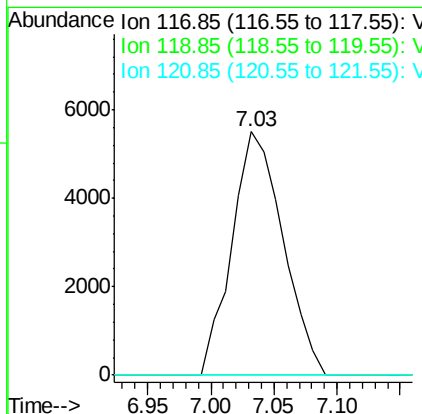
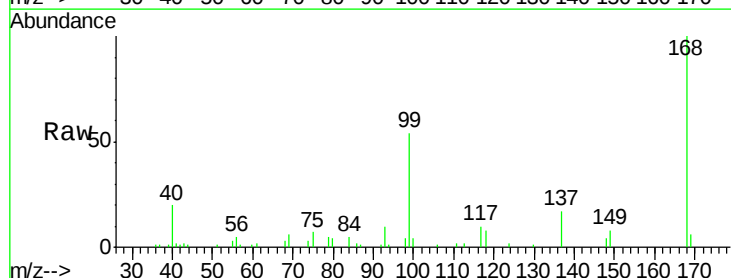
RT: 7.03 min Scan# 570

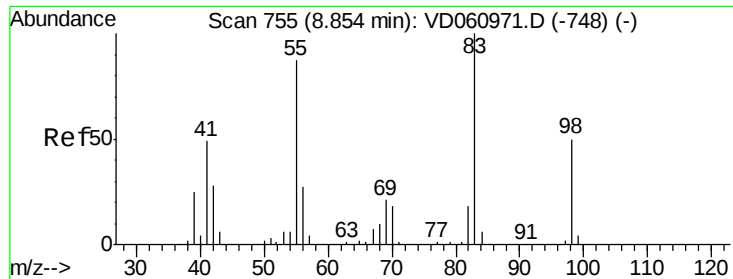
Delta R.T. -0.08 min

Lab File: VD061211.D

Acq: 20 Mar 2019 16:41

Tgt Ion: 117 Resp: 15440
Ion Ratio Lower Upper
117 100
119 0.0 77.8 116.8#
121 0.0 25.3 37.9#

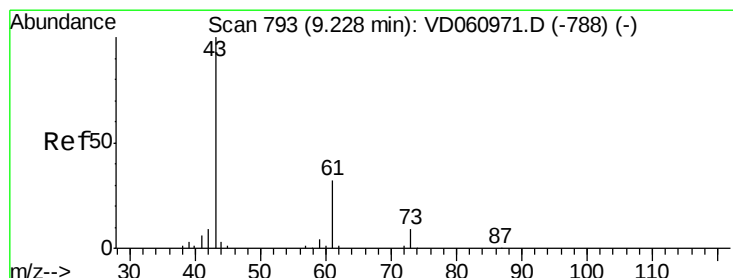
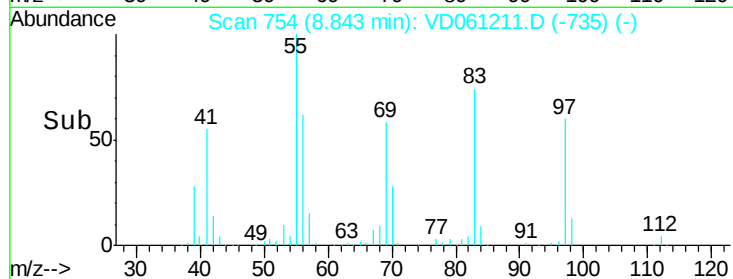
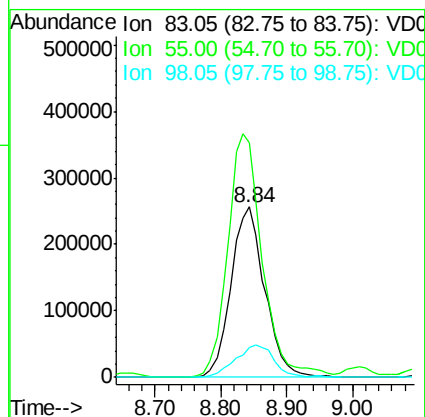
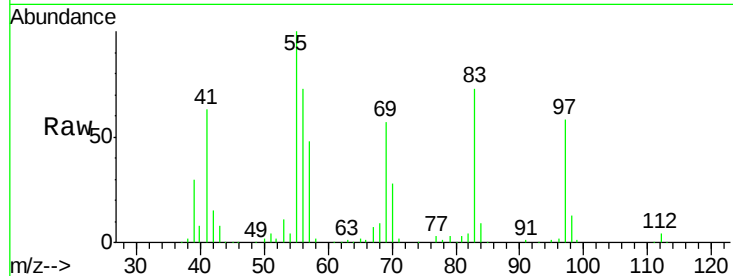




#39
Methylcyclohexane
Concen: 303.064 ug/l
RT: 8.84 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD061211.D
Acq: 20 Mar 2019 16:41

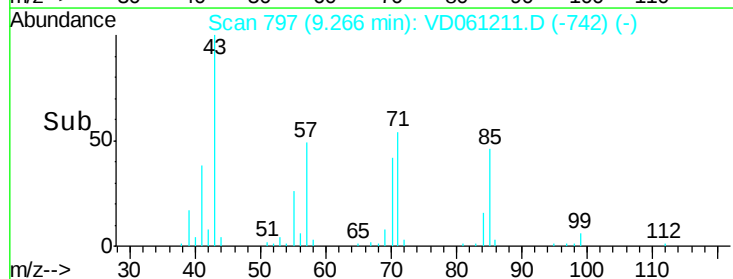
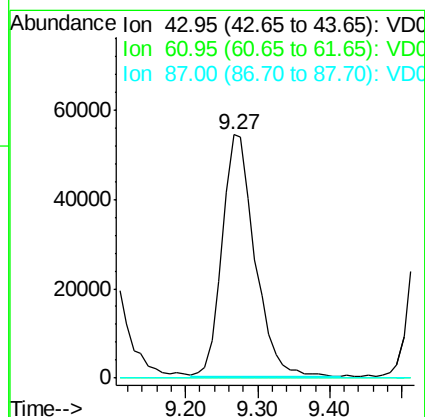
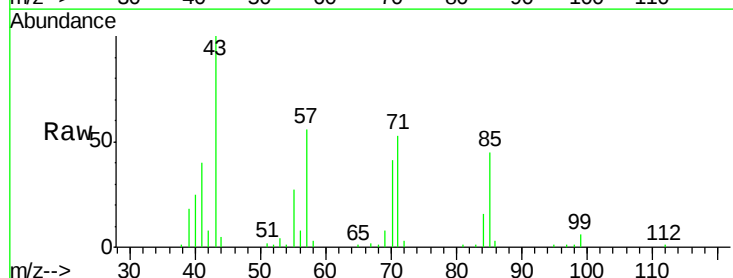
Instrument :
MSVOA_D
ClientSampleId :

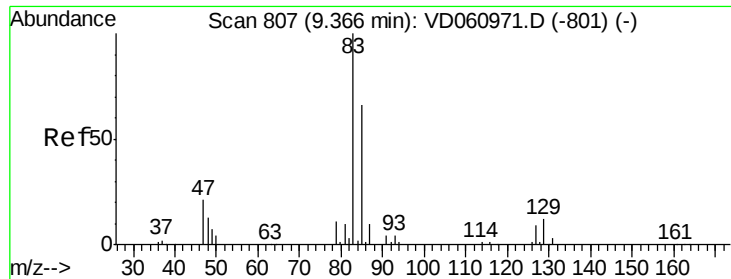
Tot Ion: 83 Resp: 918801
Ion Ratio Lower Upper
83 100
55 137.9 69.6 104.4#
98 17.3 40.0 60.0#



#43
Isopropyl Acetate
Concen: 88.535 ug/l
RT: 9.27 min Scan# 797
Delta R.T. 0.04 min
Lab File: VD061211.D
Acq: 20 Mar 2019 16:41

Tgt Ion: 43 Resp: 168243
Ion Ratio Lower Upper
43 100
61 0.0 25.6 38.4#
87 0.0 0.2 0.4#





#47

Bromodichloromethane

Concen: 5.022 ug/l

RT: 9.37 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD061211.D

Acq: 20 Mar 2019 16:41

Instrument :

MSVOA_D

ClientSampleId :

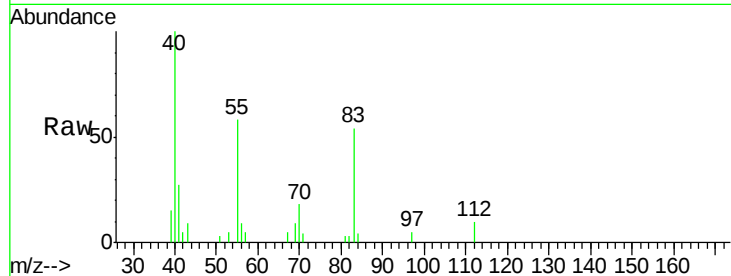
Tot Ion: 83 Resp: 13797

Ion Ratio Lower Upper

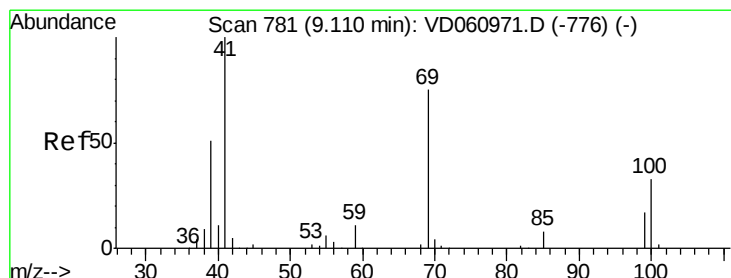
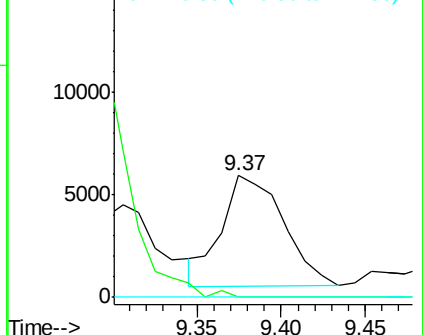
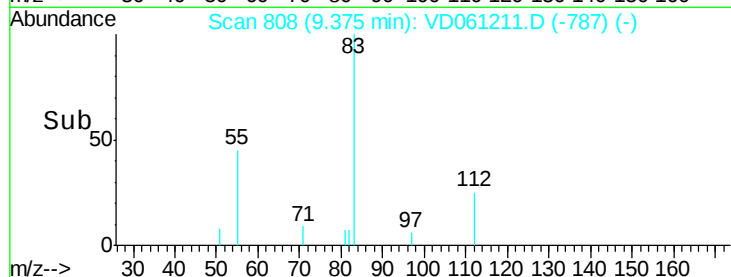
83 100

85 0.0 52.5 78.7#

127 0.0 7.5 11.3#



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): V



#48

Methyl methacrylate

Concen: 152.792 ug/l

RT: 9.09 min Scan# 779

Delta R.T. -0.02 min

Lab File: VD061211.D

Acq: 20 Mar 2019 16:41

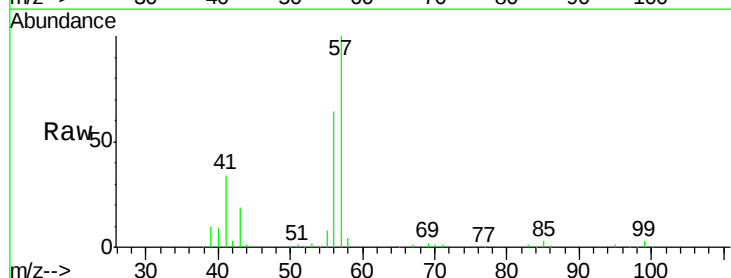
Tgt Ion: 41 Resp: 163477

Ion Ratio Lower Upper

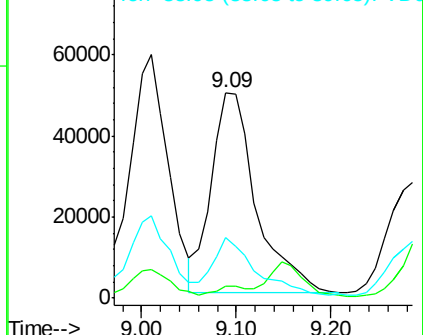
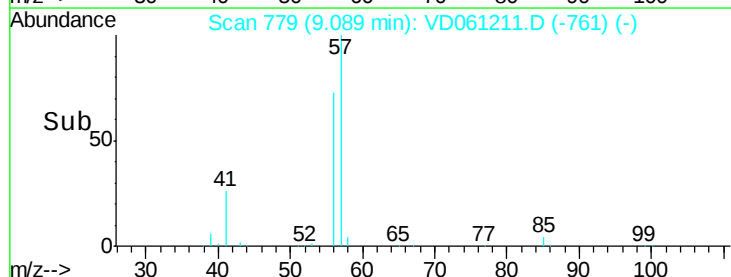
41 100

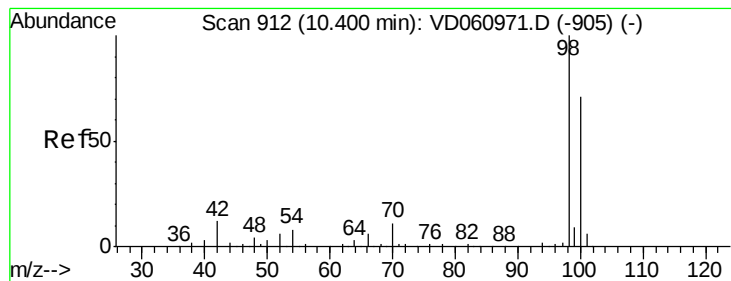
69 5.7 59.9 89.9#

39 29.6 40.9 61.3#



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: 10.40 min Scan# 912

Delta R.T. -0.00 min

Lab File: VD061211.D

Acq: 20 Mar 2019 16:41

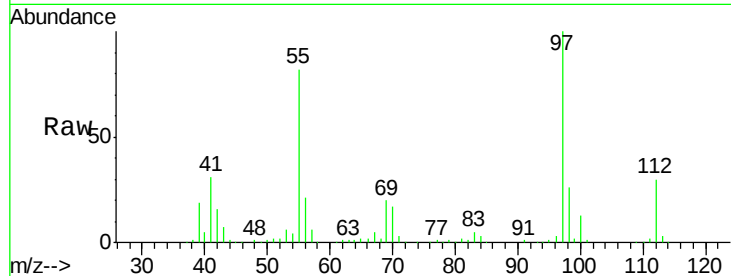
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 373785

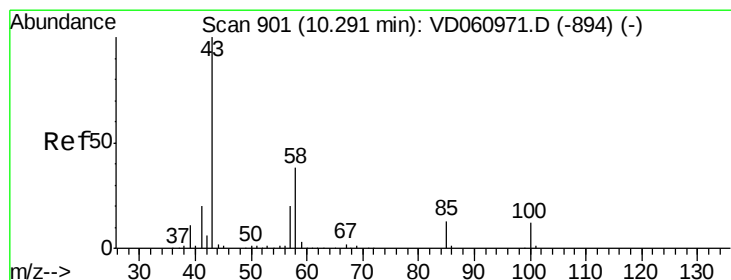
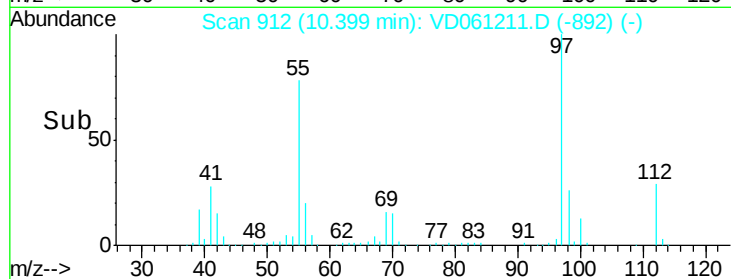
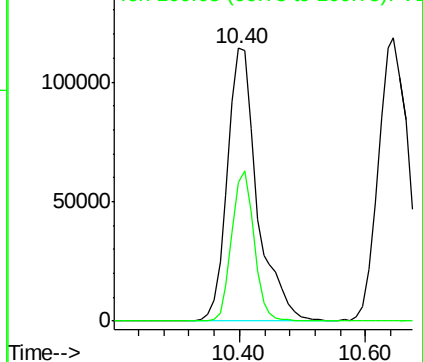
Ion Ratio Lower Upper

98 100

100 50.7 57.4 86.2#



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: 66.739 ug/l

RT: 10.24 min Scan# 896

Delta R.T. -0.05 min

Lab File: VD061211.D

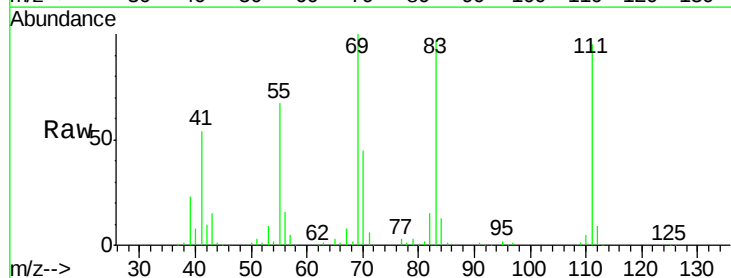
Acq: 20 Mar 2019 16:41

Tgt Ion: 43 Resp: 77696

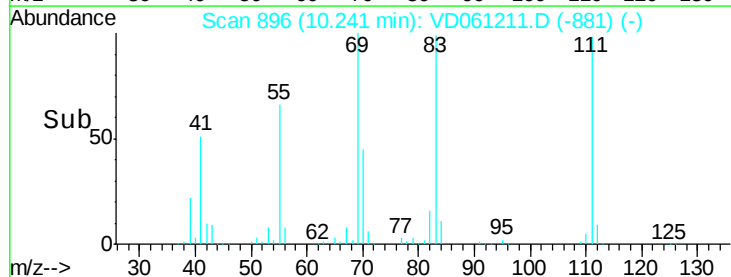
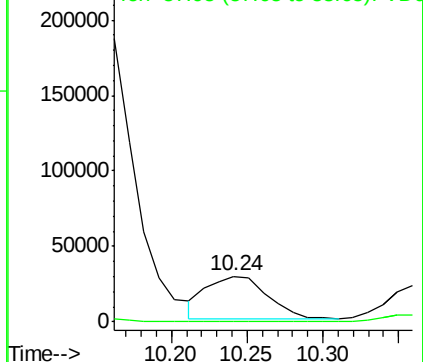
Ion Ratio Lower Upper

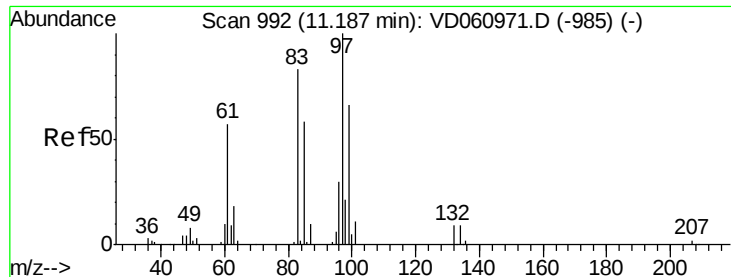
43 100

58 1.0 30.2 45.2#



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: 491.578 ug/l

RT: 11.10 min Scan# 983

Delta R.T. -0.09 min

Lab File: VD061211.D

Acq: 20 Mar 2019 16:41

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 743713

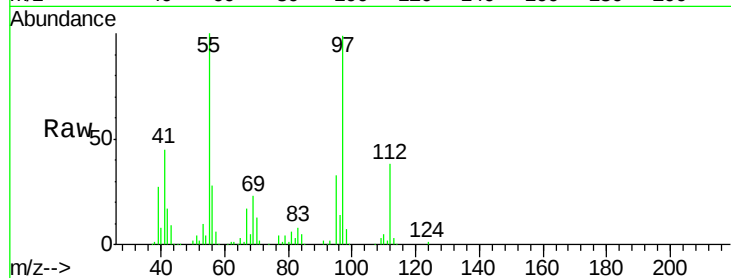
Ion Ratio Lower Upper

97 100

83 8.4 66.6 100.0#

85 0.3 46.4 69.6#

99 0.4 52.4 78.6#

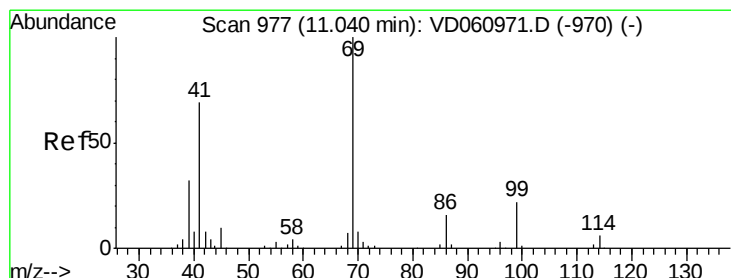
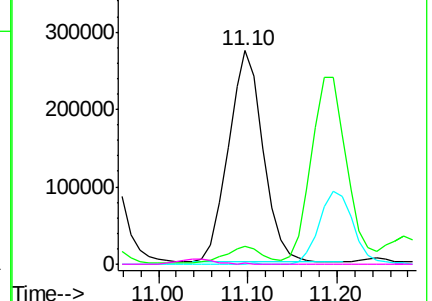
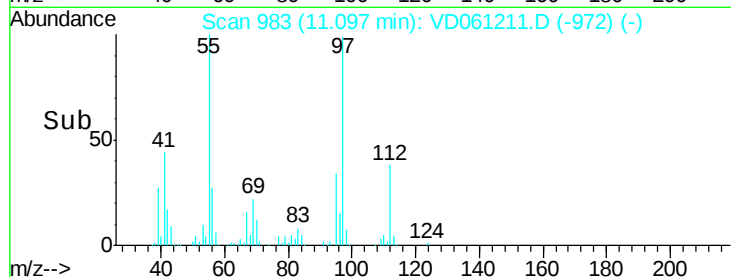


Abundance Ion 96.85 (96.55 to 97.55): VDC

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



#56

Ethyl methacrylate

Concen: 276.371 ug/l

RT: 11.19 min Scan# 992

Delta R.T. 0.15 min

Lab File: VD061211.D

Acq: 20 Mar 2019 16:41

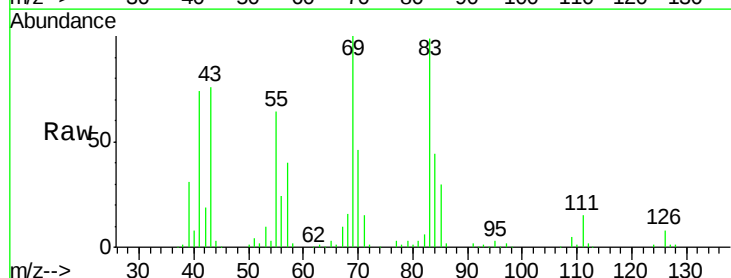
Tgt Ion: 69 Resp: 437656

Ion Ratio Lower Upper

69 100

41 74.5 55.5 83.3

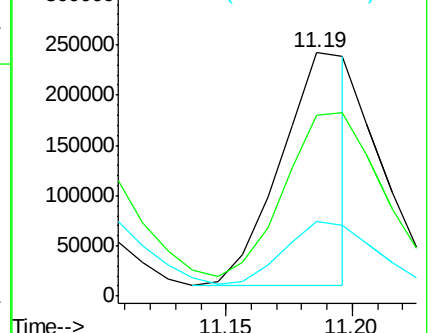
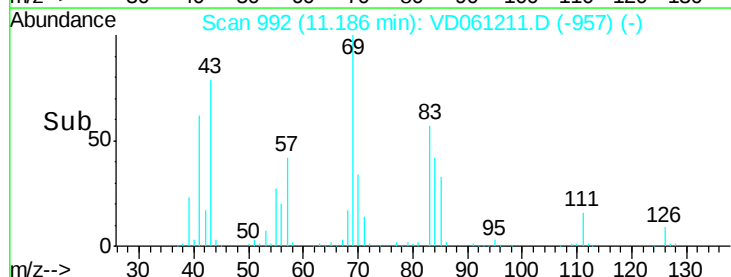
39 30.6 26.2 39.2

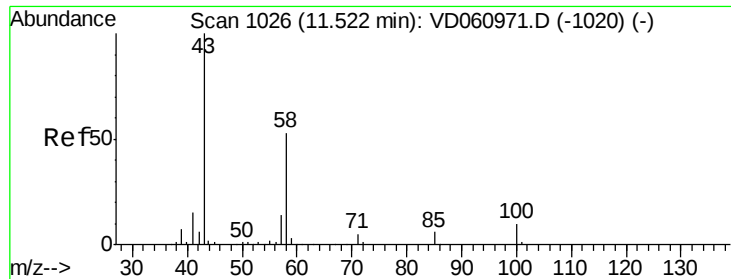


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

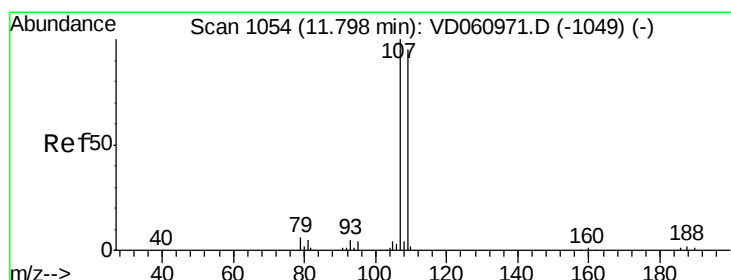
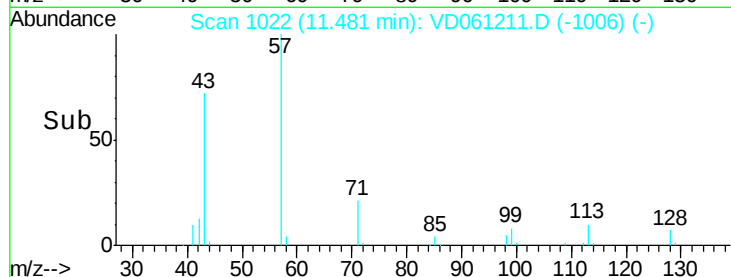
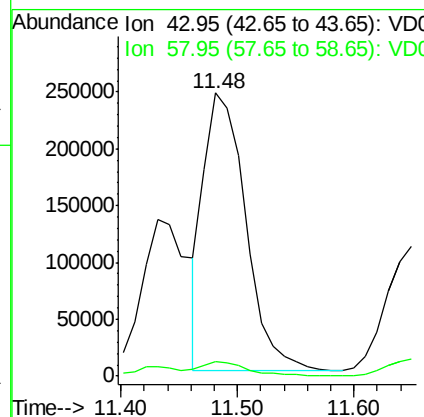
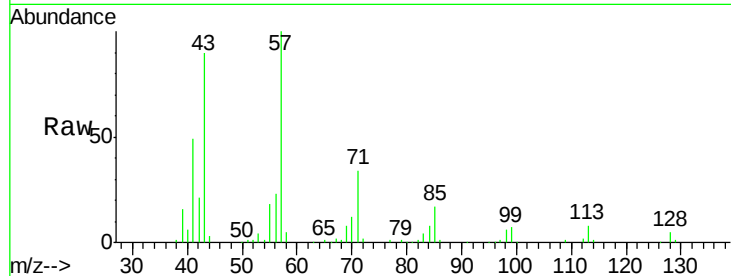




#59
2-Hexanone
Concen: 716.717 ug/l
RT: 11.48 min Scan# 1022
Delta R.T. -0.04 min
Lab File: VD061211.D
Acq: 20 Mar 2019 16:41

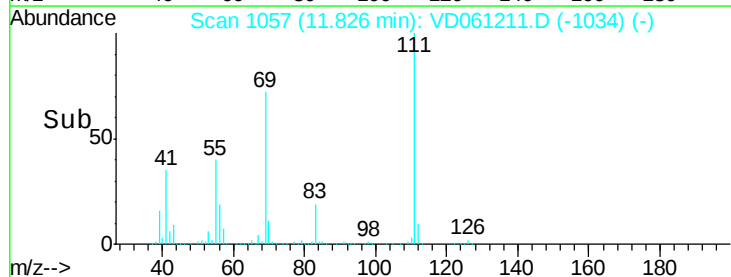
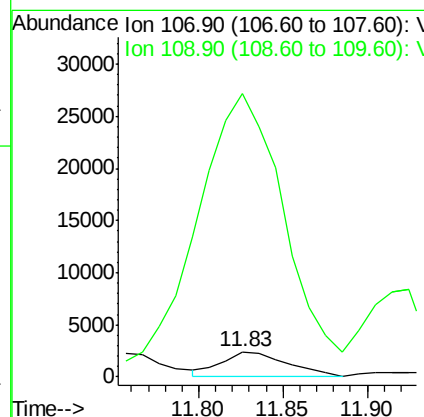
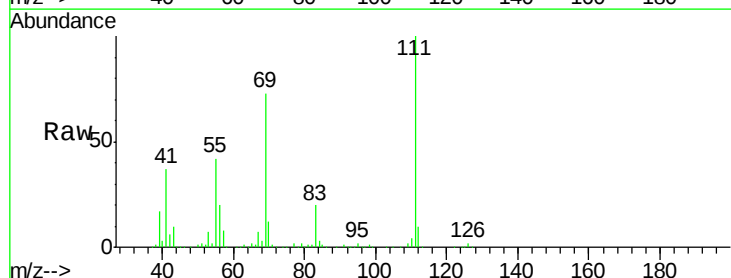
Instrument :
MSVOA_D
ClientSampled :

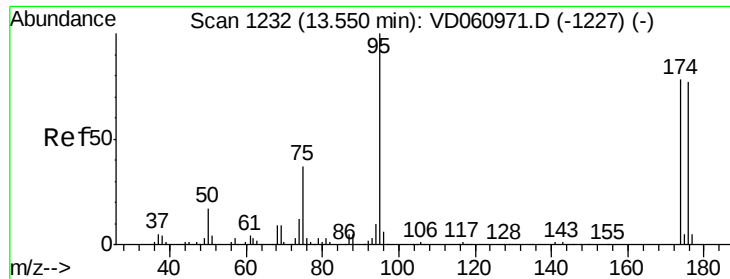
Tot Ion: 43 Resp: 610345
Ion Ratio Lower Upper
43 100
58 5.1 26.5 79.5#



#61
1,2-Dibromoethane
Concen: 3.700 ug/l
RT: 11.83 min Scan# 1057
Delta R.T. 0.03 min
Lab File: VD061211.D
Acq: 20 Mar 2019 16:41

Tgt Ion:107 Resp: 6512
Ion Ratio Lower Upper
107 100
109 1133.7 75.6 113.4#





#62

4-Bromofluorobenzene

Concen: 3.700 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD061211.D

Acq: 20 Mar 2019 16:41

Instrument :

MSVOA_D

ClientSampleId :

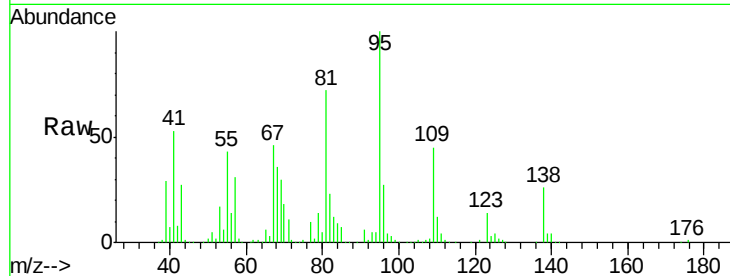
Tot Ion: 95 Resp: 700564

Ion Ratio Lower Upper

95 100

174 0.5 0.0 155.6

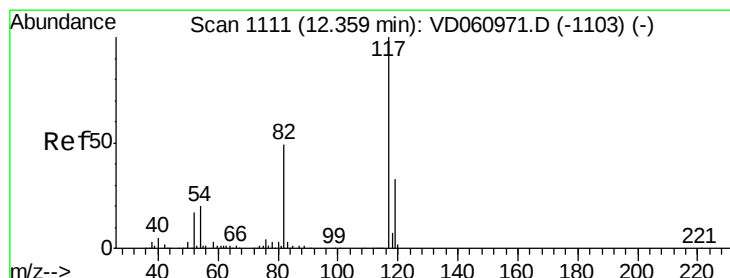
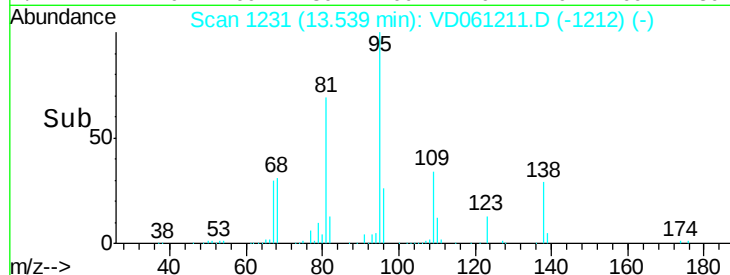
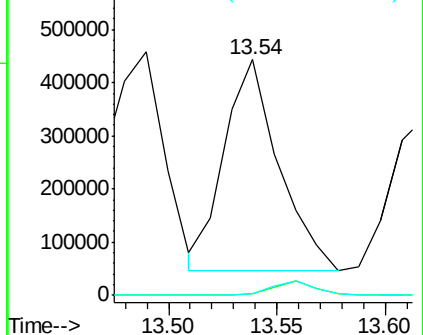
176 0.5 0.0 153.8



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: 12.37 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD061211.D

Acq: 20 Mar 2019 16:41

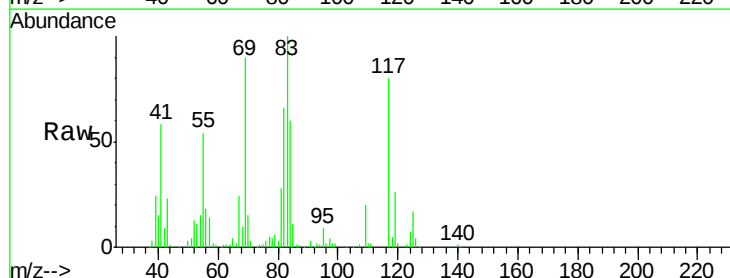
Tgt Ion: 117 Resp: 167415

Ion Ratio Lower Upper

117 100

82 83.3 38.9 58.3#

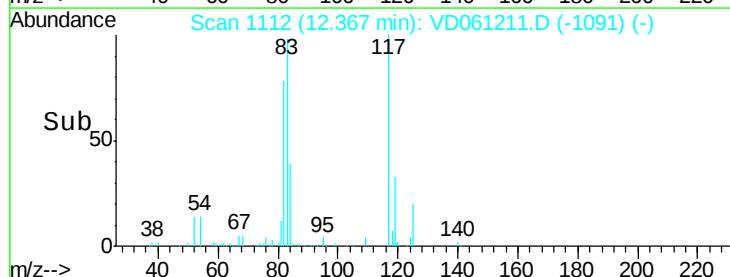
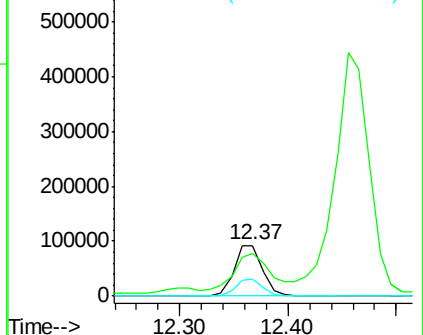
119 33.1 26.6 39.8

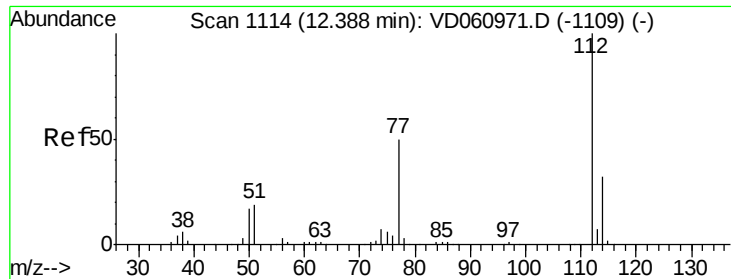


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

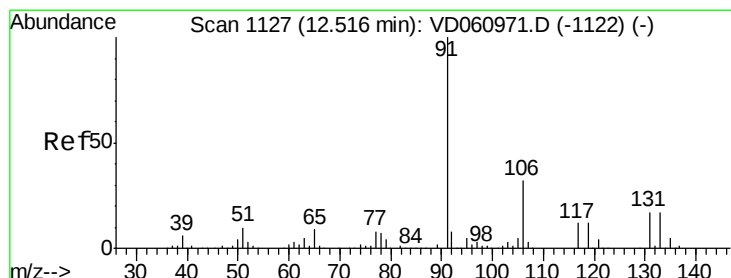
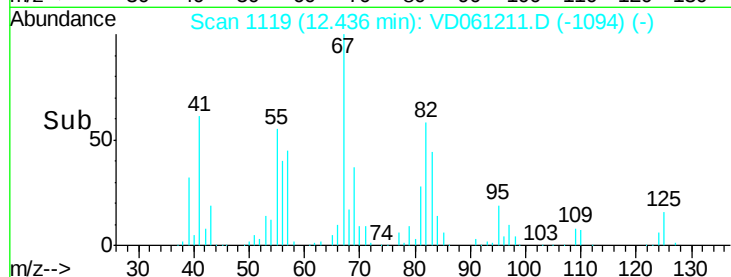
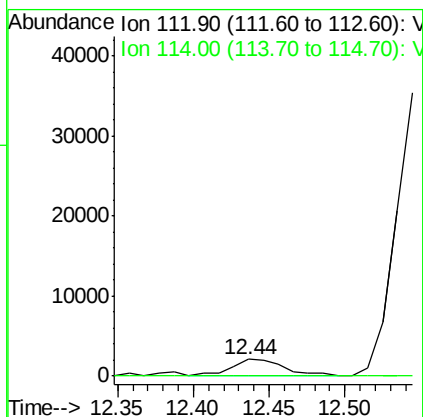
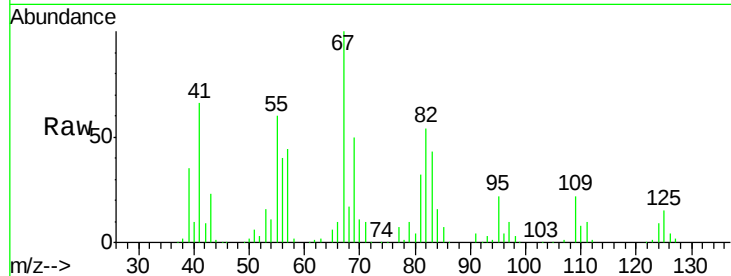




#65
Chlorobenzene
Concen: 1.613 ug/l
RT: 12.44 min Scan# 1119
Delta R.T. 0.05 min
Lab File: VD061211.D
Acq: 20 Mar 2019 16:41

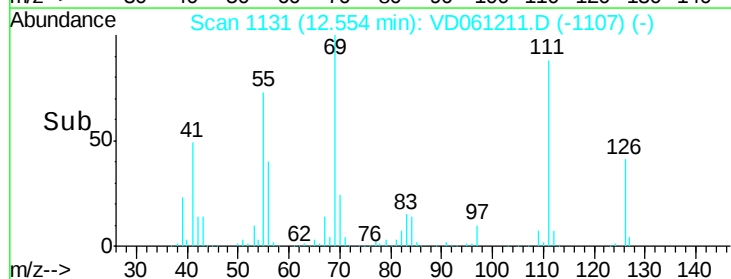
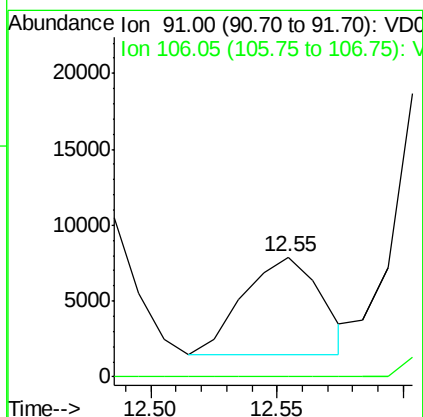
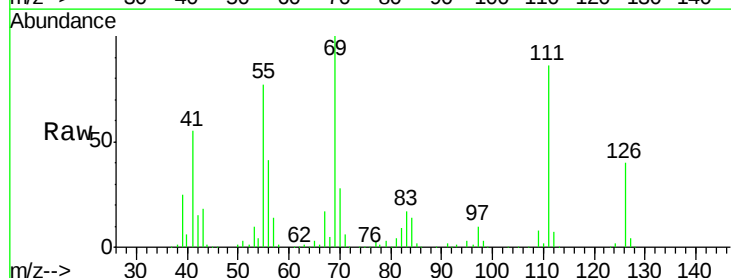
Instrument :
MSVOA_D
ClientSampleId :

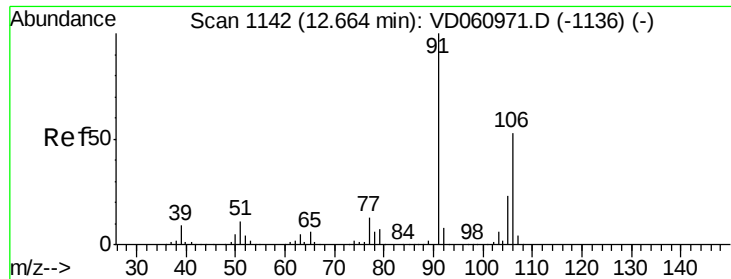
Tot Ion:112 Resp: 5293
Ion Ratio Lower Upper
112 100
114 0.0 26.0 39.0#



#67
Ethyl Benzene
Concen: 2.796 ug/l
RT: 12.55 min Scan# 1131
Delta R.T. 0.04 min
Lab File: VD061211.D
Acq: 20 Mar 2019 16:41

Tgt Ion: 91 Resp: 13662
Ion Ratio Lower Upper
91 100
106 0.0 25.7 38.5#

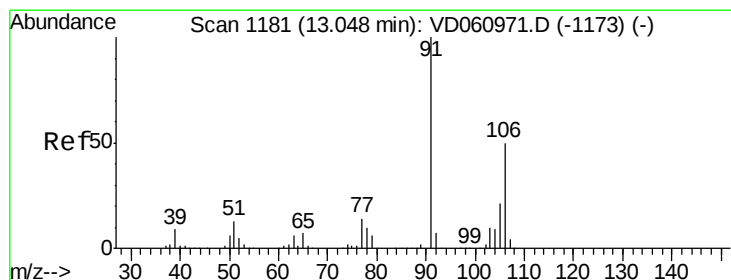
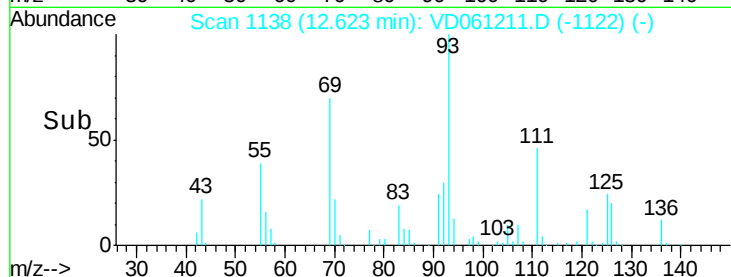
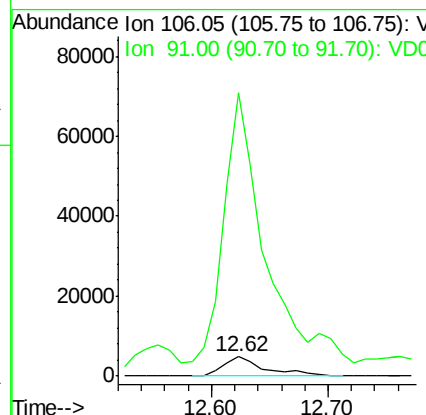
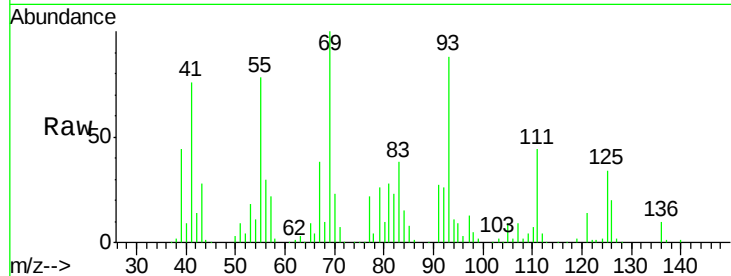




#68
m/p-Xylenes
Concen: 6.178 ug/l
RT: 12.62 min Scan# 1138
Delta R.T. -0.04 min
Lab File: VD061211.D
Acq: 20 Mar 2019 16:41

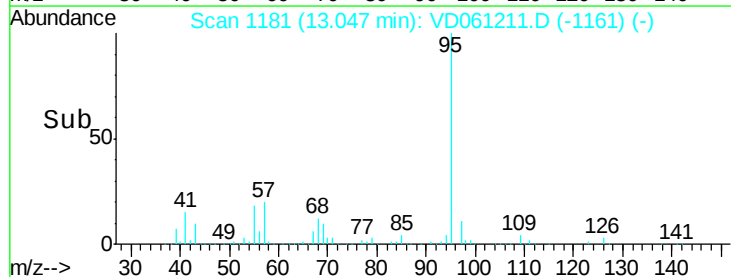
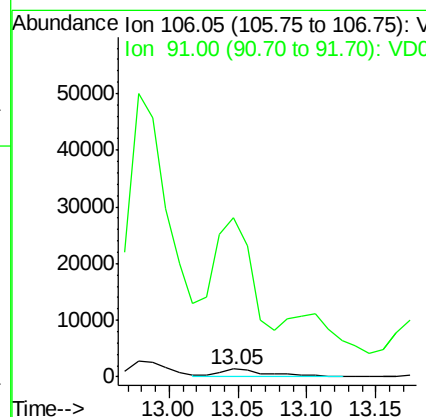
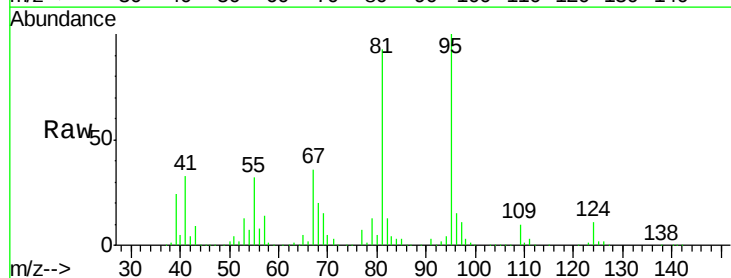
Instrument :
MSVOA_D
ClientSampleId :

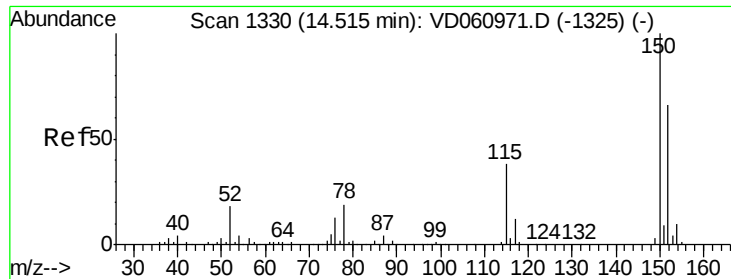
Tot Ion:106 Resp: 11849
Ion Ratio Lower Upper
106 100
91 1440.8 152.0 228.0#



#69
o-Xylene
Concen: 1.875 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD061211.D
Acq: 20 Mar 2019 16:41

Tgt Ion:106 Resp: 3534
Ion Ratio Lower Upper
106 100
91 1979.5 99.8 299.3#



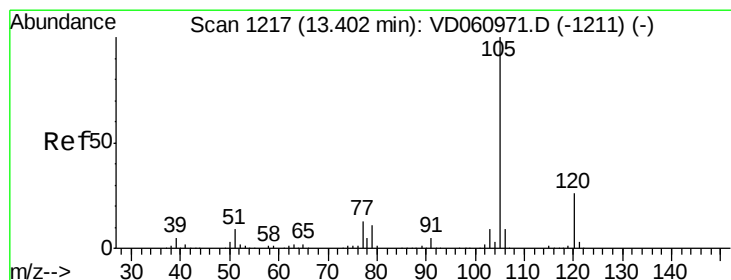
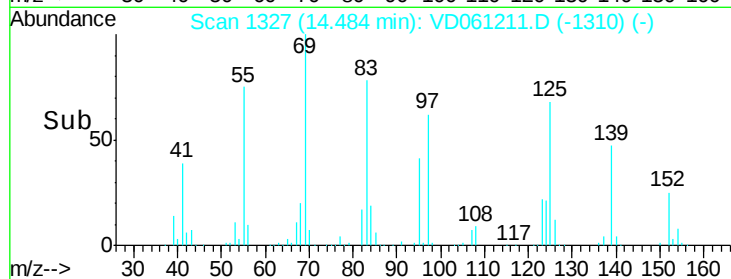
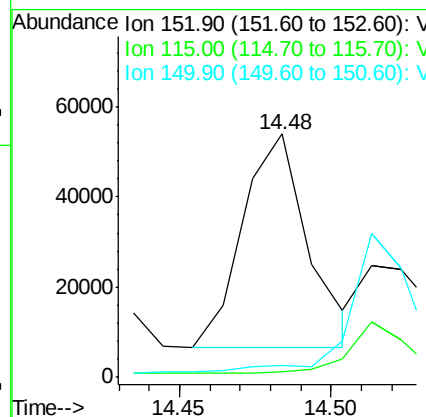
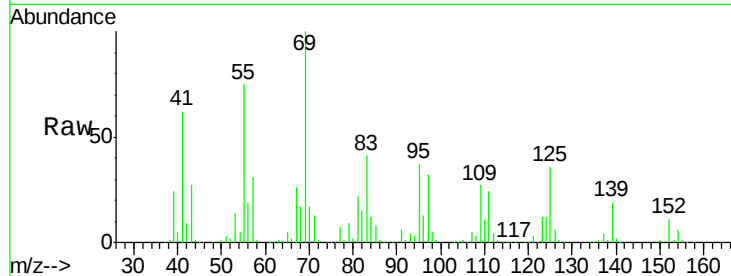


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.48 min Scan# 1327
Delta R.T. -0.03 min
Lab File: VD061211.D
Acq: 20 Mar 2019 16:41

Instrument :
MSVOA_D
ClientSampleId :

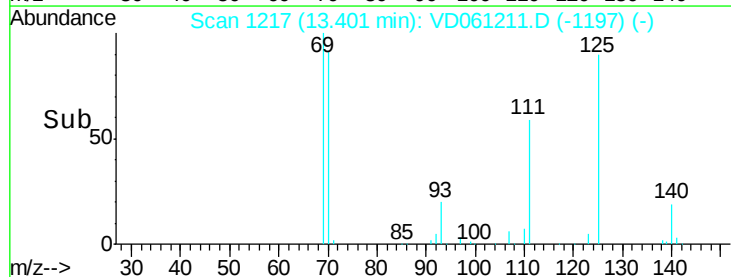
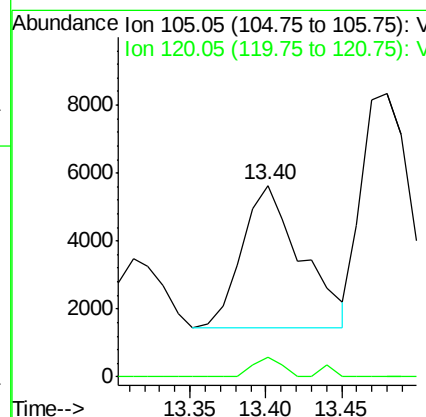
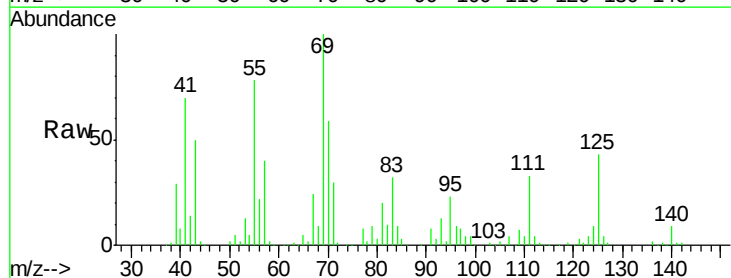
Tot Ion:152 Resp: 71350
Ion Ratio Lower Upper
152 100
115 2.3 28.6 85.9#
150 4.8 0.0 310.6

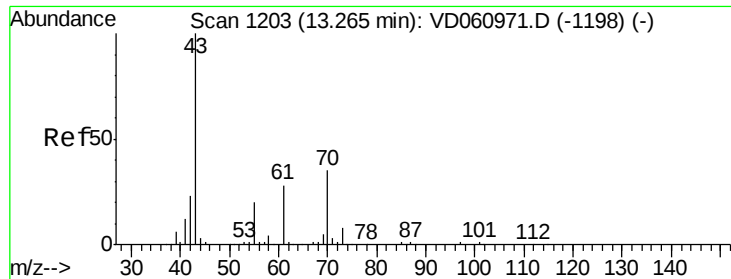


#73

Isopropylbenzene
Concen: 2.246 ug/l
RT: 13.40 min Scan# 1217
Delta R.T. -0.00 min
Lab File: VD061211.D
Acq: 20 Mar 2019 16:41

Tgt Ion:105 Resp: 11547
Ion Ratio Lower Upper
105 100
120 10.5 12.8 38.4#

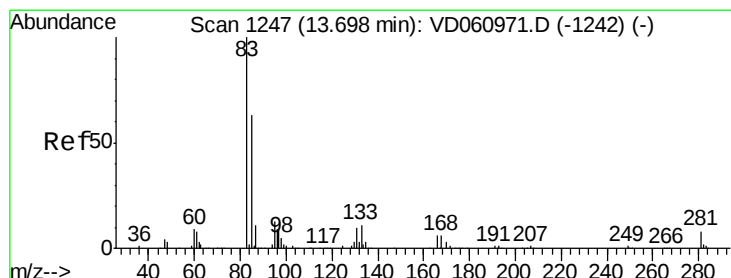
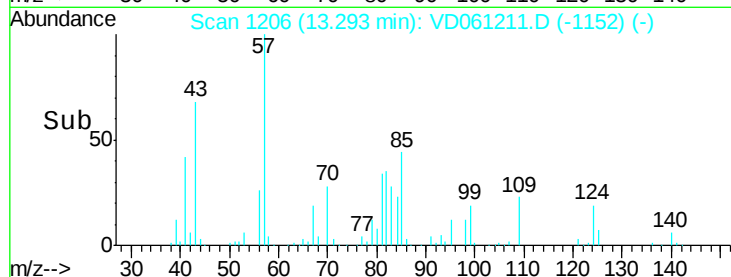
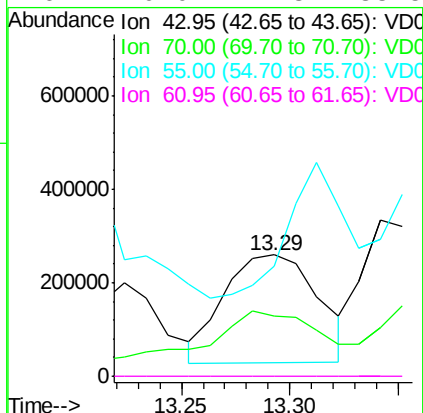
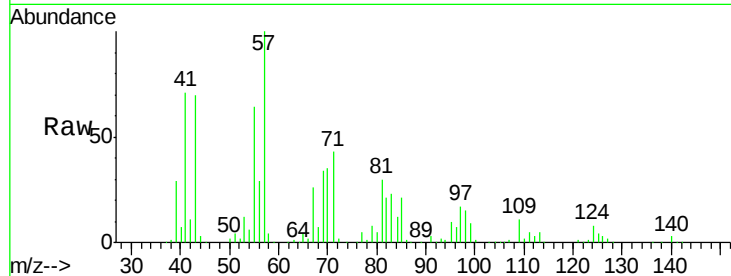




#74
N-amvl acetate
Concen: 481.131 ug/l
RT: 13.29 min Scan# 1206
Delta R.T. 0.03 min
Lab File: VD061211.D
Acq: 20 Mar 2019 16:41

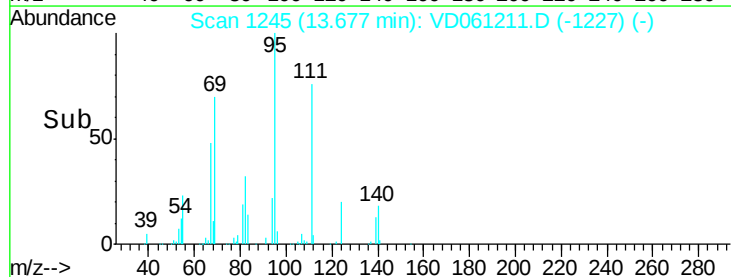
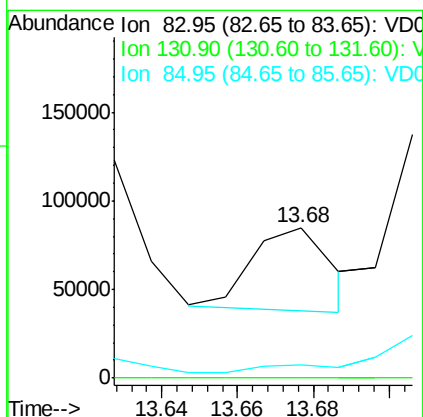
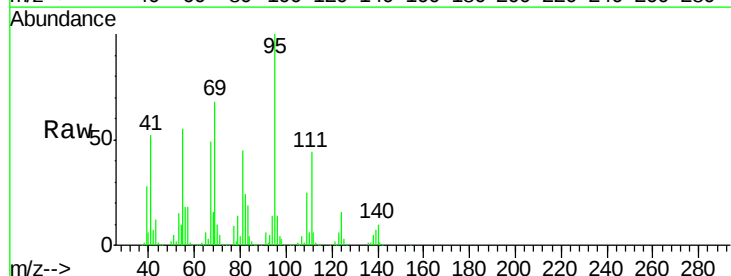
Instrument :
MSVOA_D
ClientSampleId :

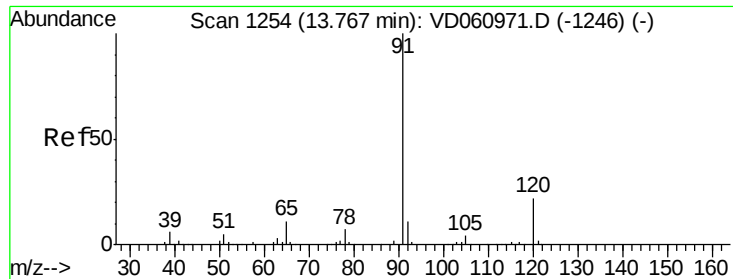
Tot Ion: 43 Resp: 696620
Ion Ratio Lower Upper
43 100
70 50.0 27.7 41.5#
55 91.4 16.2 24.2#
61 0.0 22.3 33.5#



#75
1,1,2,2-Tetrachloroethane
Concen: 66.332 ug/l
RT: 13.68 min Scan# 1245
Delta R.T. -0.02 min
Lab File: VD061211.D
Acq: 20 Mar 2019 16:41

Tgt Ion: 83 Resp: 66547
Ion Ratio Lower Upper
83 100
131 0.0 5.1 15.3#
85 9.0 31.5 94.5#





#78

n-propylbenzene

Concen: 19.669 ug/l

RT: 13.79 min Scan# 1257

Delta R.T. 0.03 min

Lab File: VD061211.D

Acq: 20 Mar 2019 16:41

Instrument :

MSVOA_D

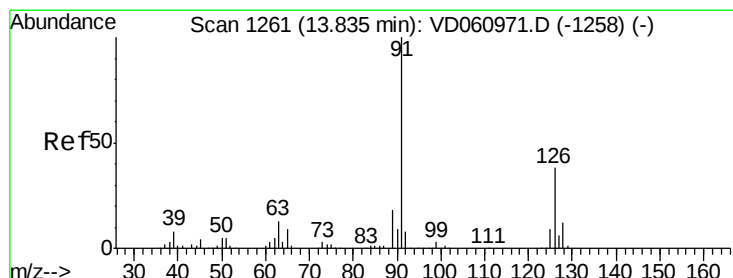
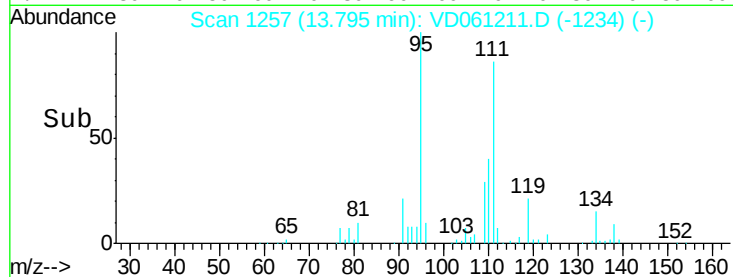
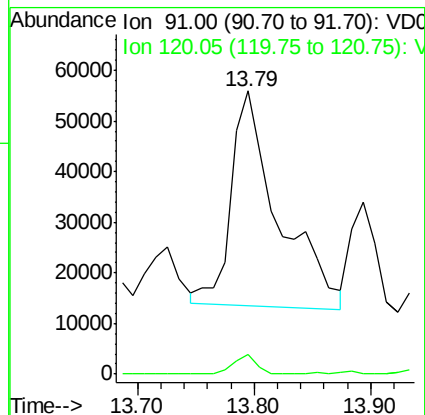
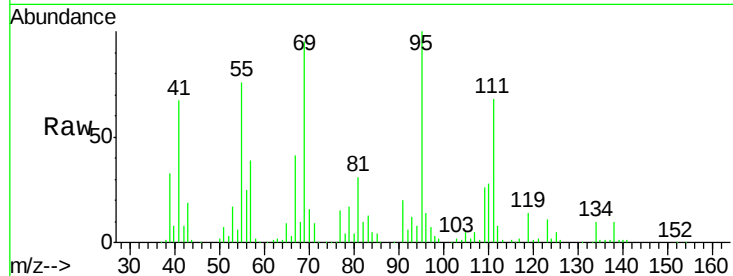
ClientSampled :

Tot Ion: 91 Resp: 118401

Ion Ratio Lower Upper

91 100

120 6.9 10.8 32.3#



#79

2-Chlorotoluene

Concen: 9.592 ug/l

RT: 13.89 min Scan# 1267

Delta R.T. 0.06 min

Lab File: VD061211.D

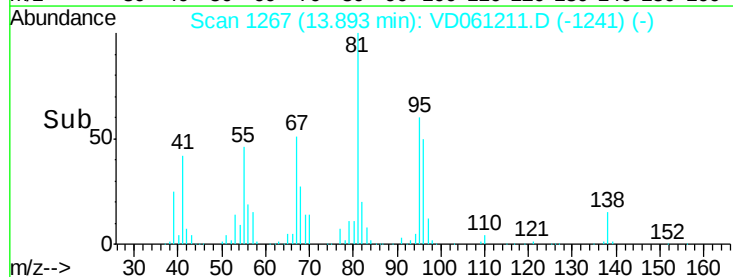
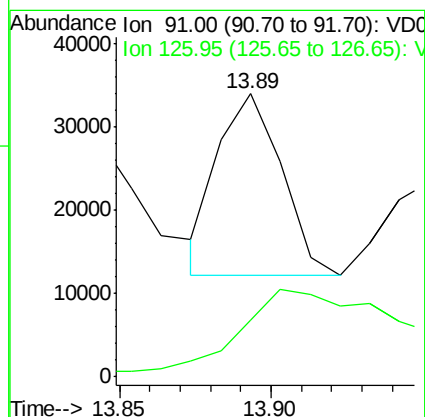
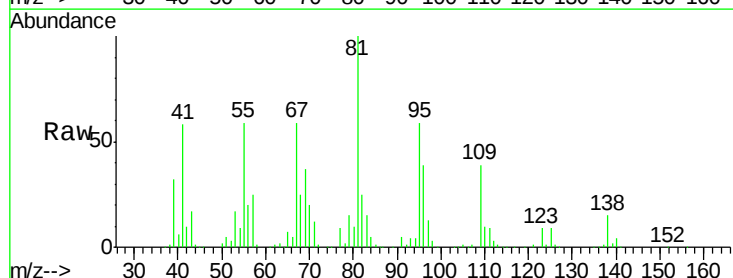
Acq: 20 Mar 2019 16:41

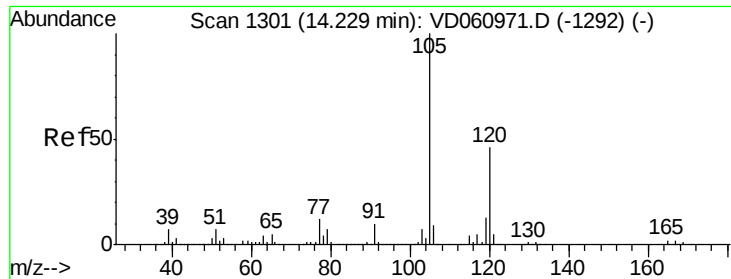
Tgt Ion: 91 Resp: 31788

Ion Ratio Lower Upper

91 100

126 20.2 18.6 55.6

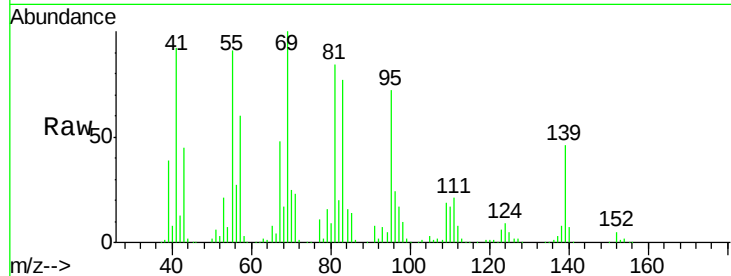




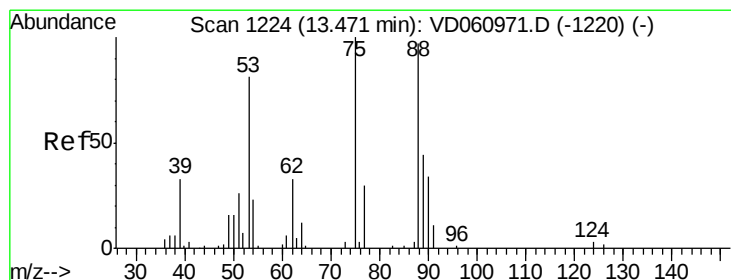
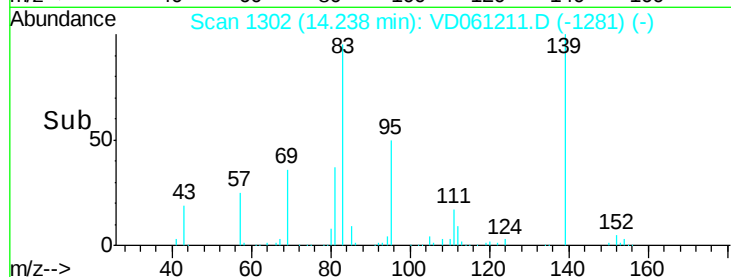
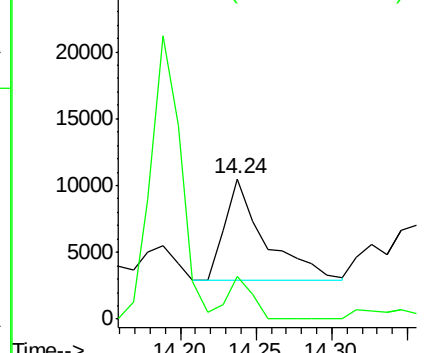
#80
 1,3,5-Trimethylbenzene
 Concen: 3.629 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD061211.D
 Acq: 20 Mar 2019 16:41

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:105 Resp: 14168
 Ion Ratio Lower Upper
 105 100
 120 30.8 22.9 68.5

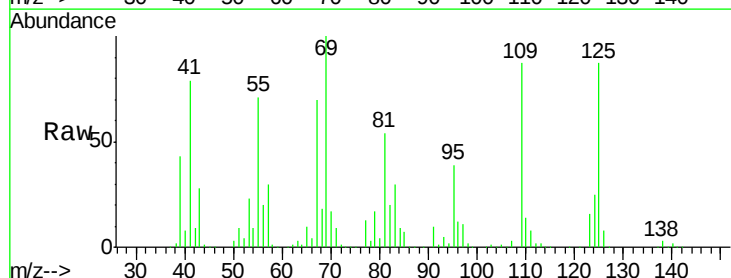


Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V

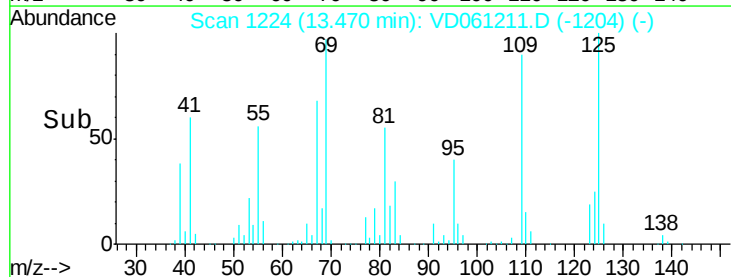
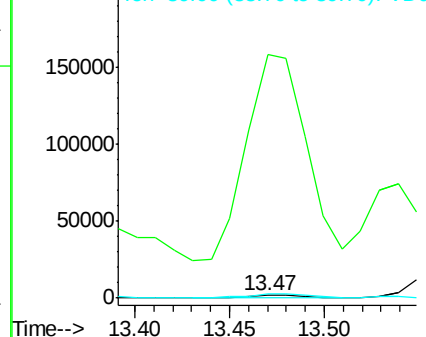


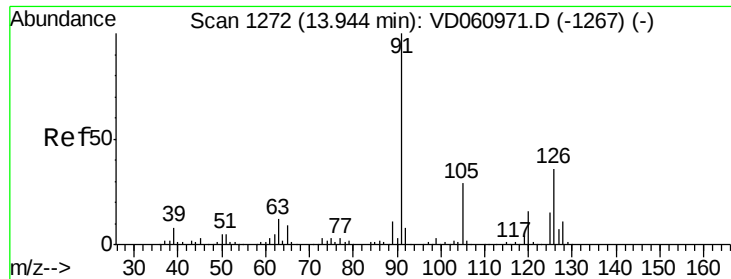
#81
 trans-1,4-Dichloro-2-butene
 Concen: 15.097 ug/l
 RT: 13.47 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VD061211.D
 Acq: 20 Mar 2019 16:41

Tgt Ion: 75 Resp: 4569
 Ion Ratio Lower Upper
 75 100
 53 8526.5 64.4 96.6#
 89 131.1 34.8 52.2#



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: 8.113 ug/l

RT: 13.89 min Scan# 1267

Delta R.T. -0.05 min

Lab File: VD061211.D

Acq: 20 Mar 2019 16:41

Instrument :

MSVOA_D

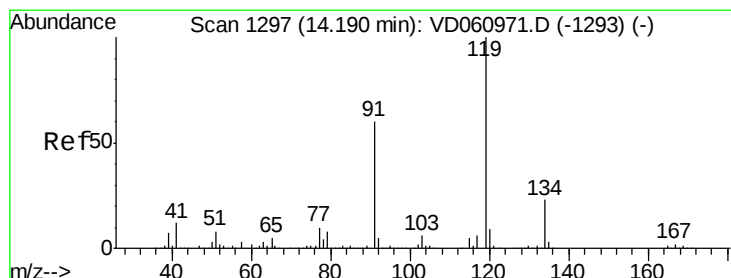
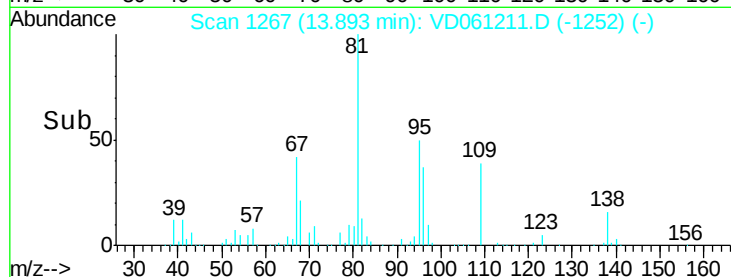
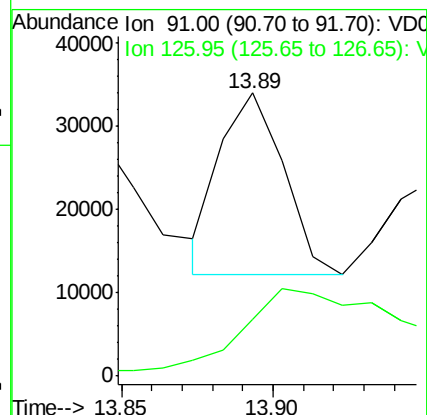
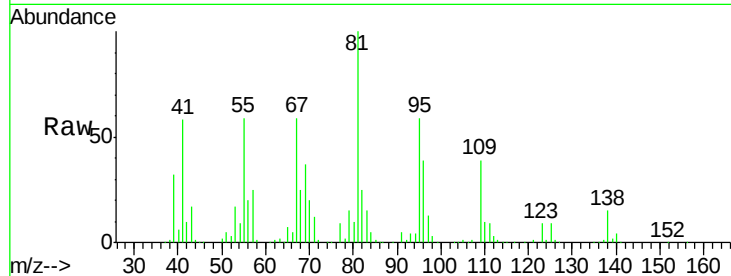
ClientSampleId :

Tot Ion: 91 Resp: 31788

Ion Ratio Lower Upper

91 100

126 20.2 18.0 54.0



#83

tert-Butylbenzene

Concen: 67.005 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. -0.00 min

Lab File: VD061211.D

Acq: 20 Mar 2019 16:41

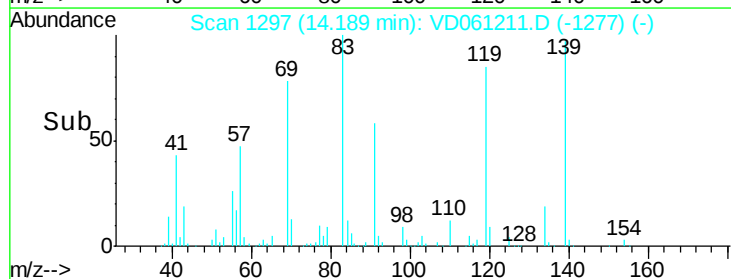
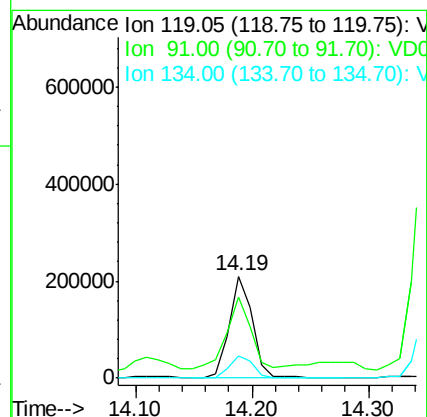
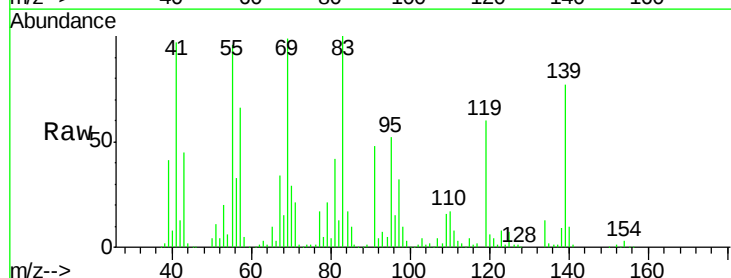
Tgt Ion: 119 Resp: 286251

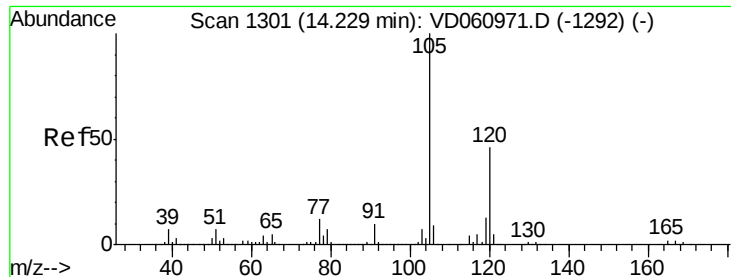
Ion Ratio Lower Upper

119 100

91 79.3 30.1 90.3

134 22.4 11.6 34.7

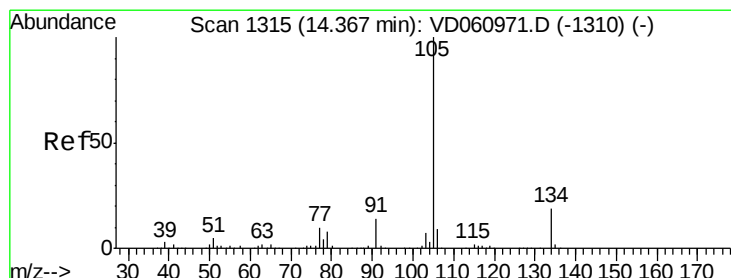
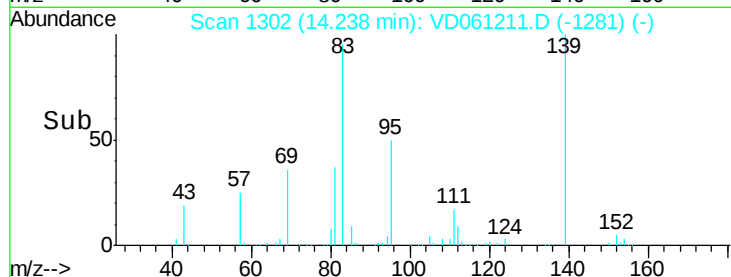
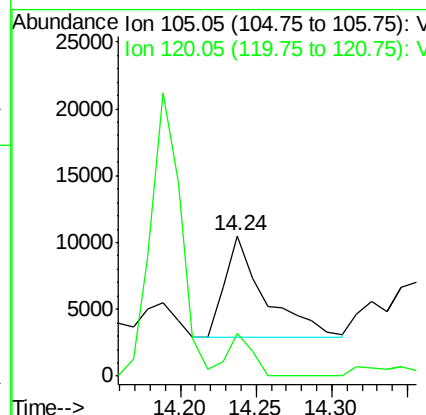
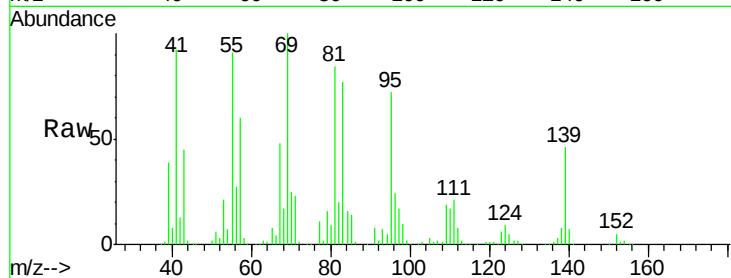




#84
 1,2,4-Trimethylbenzene
 Concen: 3.629 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD061211.D
 Acq: 20 Mar 2019 16:41

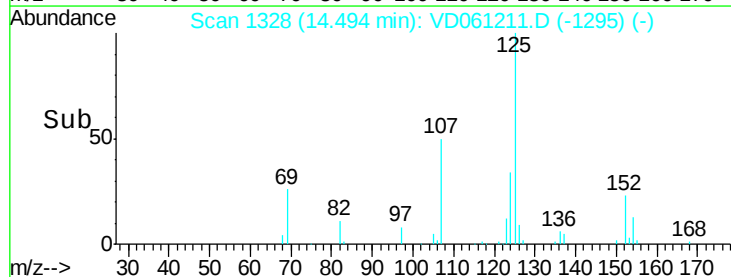
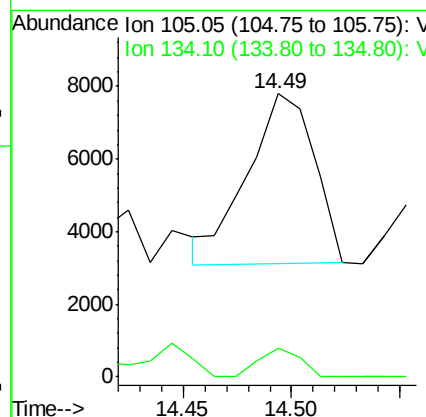
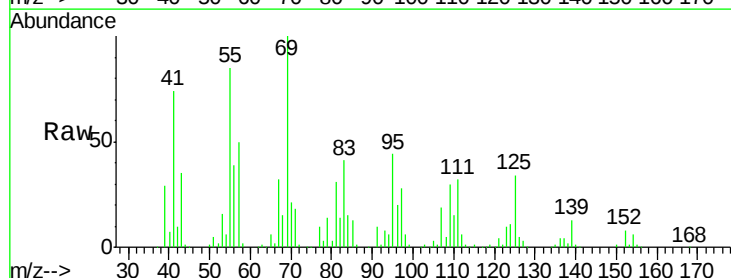
Instrument :
 MSVOA_D
 ClientSampleId :

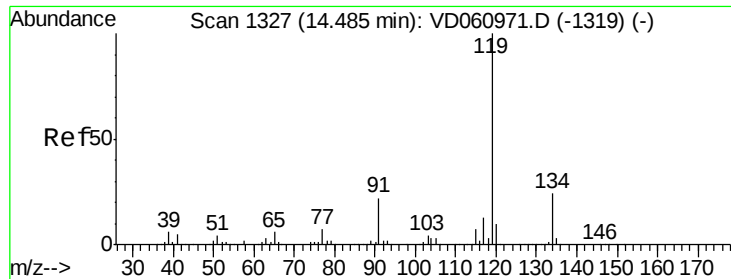
Tot Ion:105 Resp: 14168
 Ion Ratio Lower Upper
 105 100
 120 30.8 22.9 68.5



#85
 sec-Butylbenzene
 Concen: 1.923 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. 0.13 min
 Lab File: VD061211.D
 Acq: 20 Mar 2019 16:41

Tgt Ion:105 Resp: 10031
 Ion Ratio Lower Upper
 105 100
 134 10.0 9.4 28.2

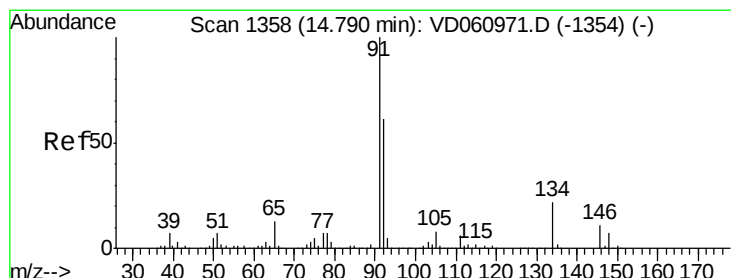
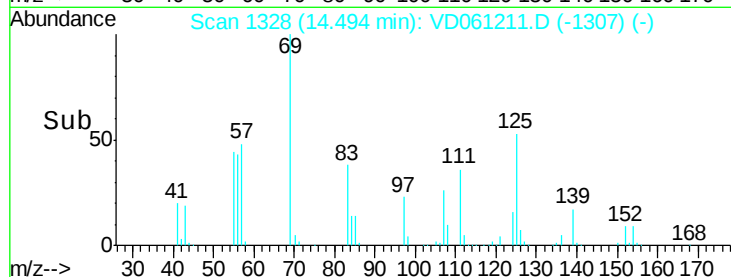
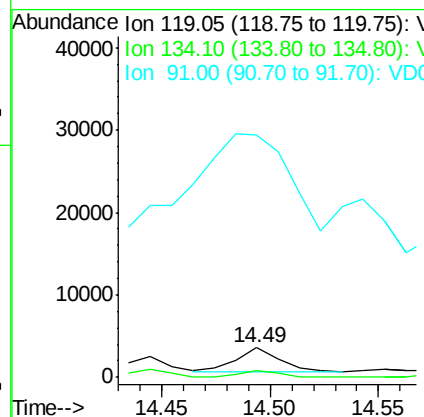
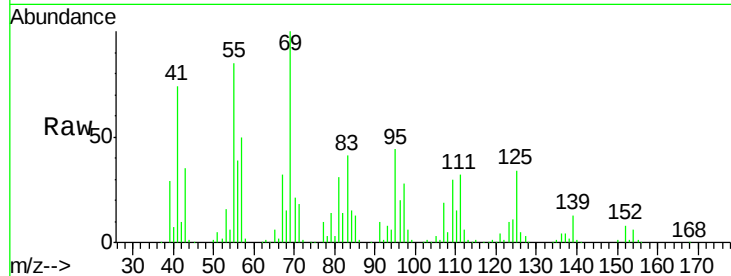




#86
p-Isopropyltoluene
Concen: 1.017 ug/l
RT: 14.49 min Scan# 1328
Delta R.T. 0.01 min
Lab File: VD061211.D
Acq: 20 Mar 2019 16:41

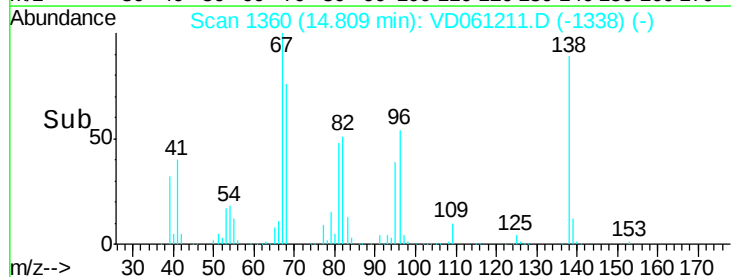
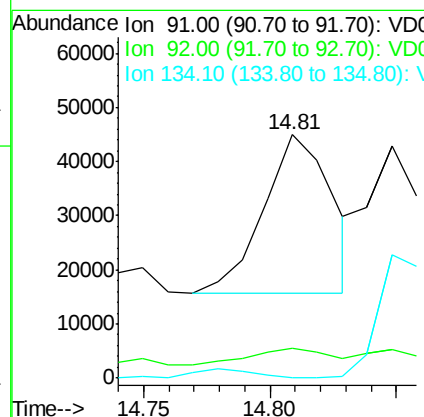
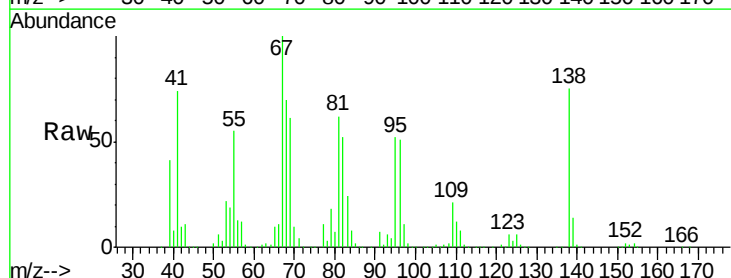
Instrument :
MSVOA_D
ClientSampled :

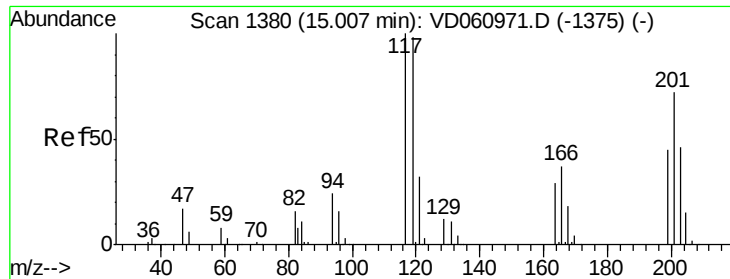
Tot Ion:119 Resp: 4334
Ion Ratio Lower Upper
119 100
134 21.5 12.0 36.1
91 813.3 11.2 33.6#



#89
n-Butylbenzene
Concen: 13.472 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.02 min
Lab File: VD061211.D
Acq: 20 Mar 2019 16:41

Tgt Ion: 91 Resp: 55152
Ion Ratio Lower Upper
91 100
92 12.4 30.6 91.8#
134 0.0 11.0 33.0#





#90

Hexachloroethane

Concen: 113.661 ug/l

RT: 15.05 min Scan# 1385

Delta R.T. 0.05 min

Lab File: VD061211.D

Acq: 20 Mar 2019 16:41

Instrument :

MSVOA_D

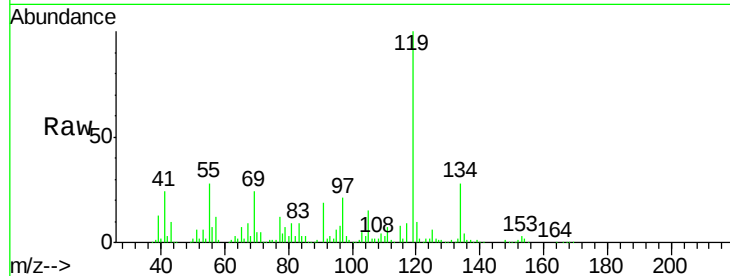
ClientSampleId :

Tot Ion:117 Resp: 136822

Ion Ratio Lower Upper

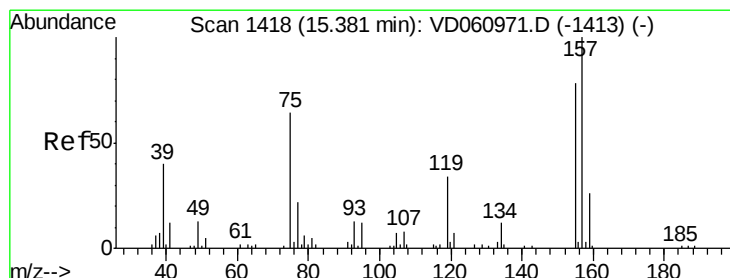
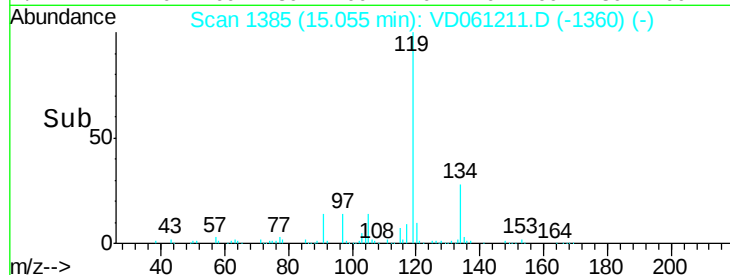
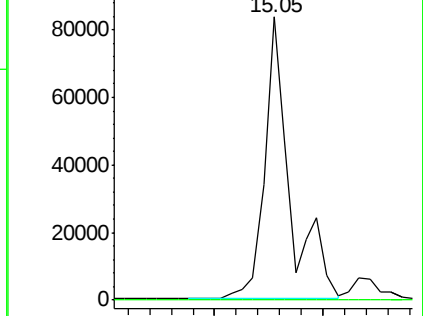
117 100

201 0.0 36.2 108.6#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 56.867 ug/l

RT: 15.34 min Scan# 1414

Delta R.T. -0.04 min

Lab File: VD061211.D

Acq: 20 Mar 2019 16:41

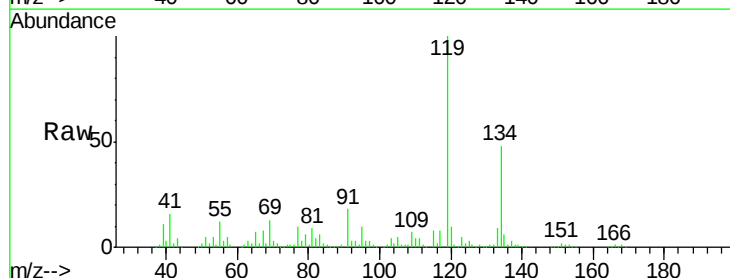
Tgt Ion: 75 Resp: 6875

Ion Ratio Lower Upper

75 100

155 15.2 61.2 183.5#

157 0.0 78.3 234.8#



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

