

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061418\
 Data File : VD058151.D
 Acq On : 14 Jun 2018 22:31
 Operator : VA/AP
 Sample : J3241-11
 Misc : 5.47g/5ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 15 06:06:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	629543	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	841874	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	534472	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	270419	50.00	ug/l	0.00

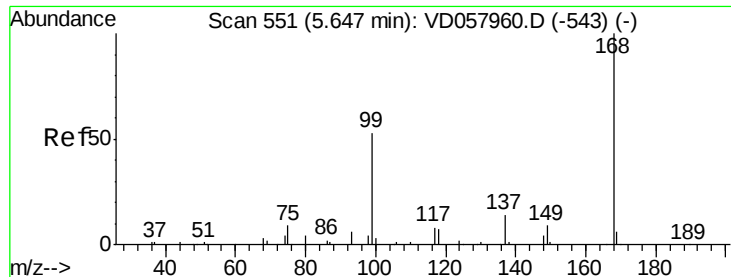
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.02	65	260602	41.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.82%	
35) Dibromofluoromethane	5.55	113	277459	42.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.20%	
50) Toluene-d8	8.71	98	433115	27.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	55.94%	
62) 4-Bromofluorobenzene	11.93	95	232873	34.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.94%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	3.21	59	247	1.465	ug/l #	74
16) Acetone	2.62	43	24116	26.595	ug/l	97
18) Methyl Acetate	2.95	43	4801	2.737	ug/l #	66
20) Methylene Chloride	3.07	84	22829	3.033	ug/l	98
25) 2-Butanone	4.85	43	2302	1.117	ug/l #	56
29) Tetrahydrofuran	5.20	42	1541	1.427	ug/l #	51
31) Cyclohexane	5.64	56	20321	1.857	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	51944	5.600	ug/l #	50
38) Carbon Tetrachloride	5.65	117	51275	5.609	ug/l #	16
69) o-Xylene	11.41	106	6894	1.090	ug/l	95
74) N-amyl acetate	11.59	43	15568	2.252	ug/l #	55
75) 1,1,2,2-Tetrachloroethane	12.09	83	12975	3.323	ug/l #	38
80) 1,3,5-Trimethylbenzene	12.32	105	27546	1.972	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.93	75	103807	103.176	ug/l #	7
82) 4-Chlorotoluene	12.32	91	4524	Below Cal	#	50
86) p-Isopropyltoluene	12.88	119	26831	1.749	ug/l	96
89) n-Butylbenzene	13.18	91	22577	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropropan	13.77	75	625	1.037	ug/l #	11

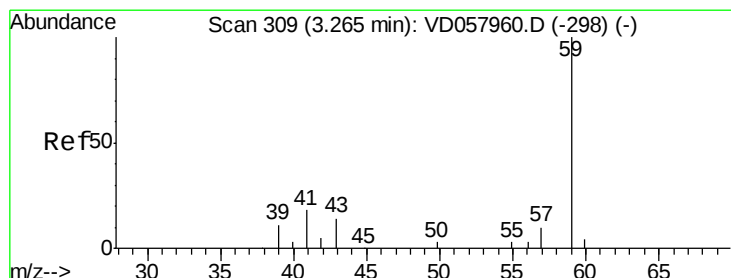
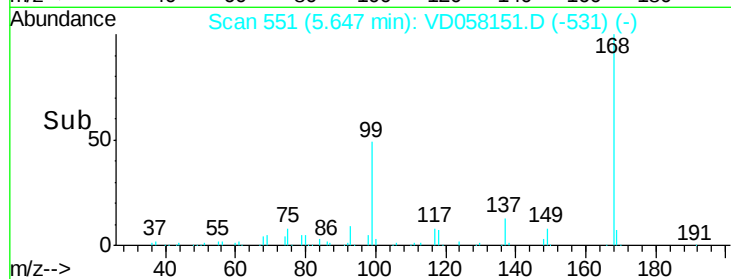
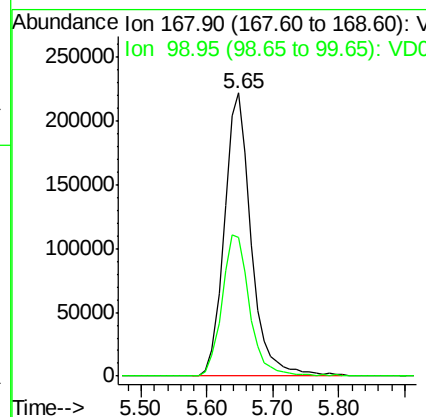
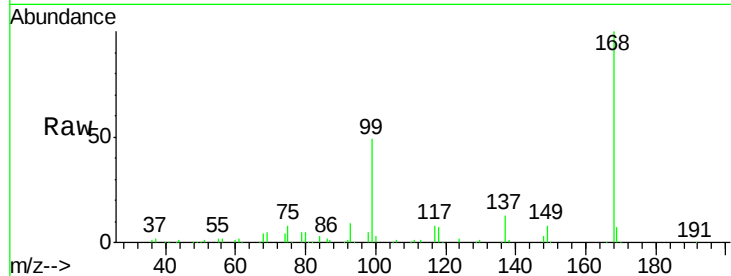
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 551
Delta R.T. -0.00 min
Lab File: VD058151.D
Acq: 14 Jun 2018 22:31

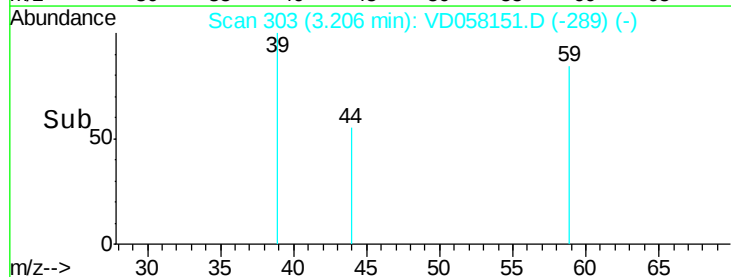
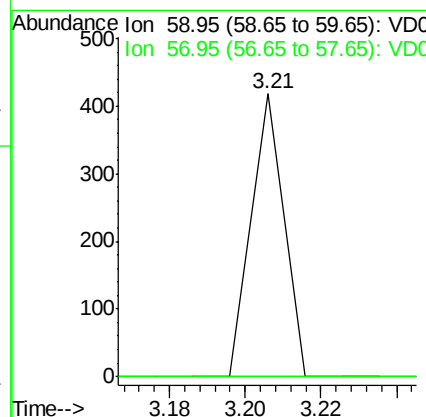
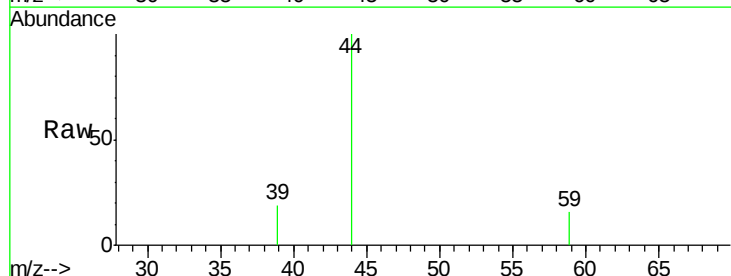
Instrument :
MSVOA_D
ClientSampleId :

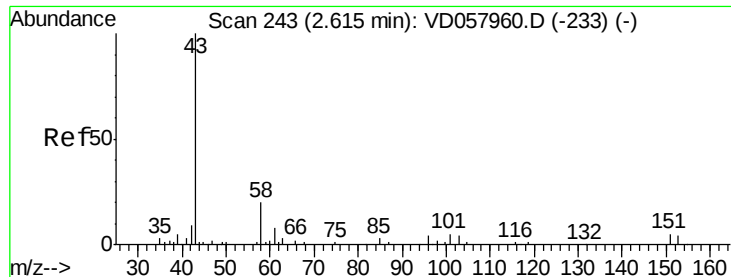
Tot Ion:168 Resp: 629543
Ion Ratio Lower Upper
168 100
99 49.0 46.8 70.2



#11
Tert butyl alcohol
Concen: 1.465 ug/l
RT: 3.21 min Scan# 303
Delta R.T. -0.06 min
Lab File: VD058151.D
Acq: 14 Jun 2018 22:31

Tgt Ion: 59 Resp: 247
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#





#16

Acetone

Concen: 26.595 ug/l

RT: 2.62 min Scan# 243

Delta R.T. -0.00 min

Lab File: VD058151.D

Acq: 14 Jun 2018 22:31

Instrument :

MSVOA_D

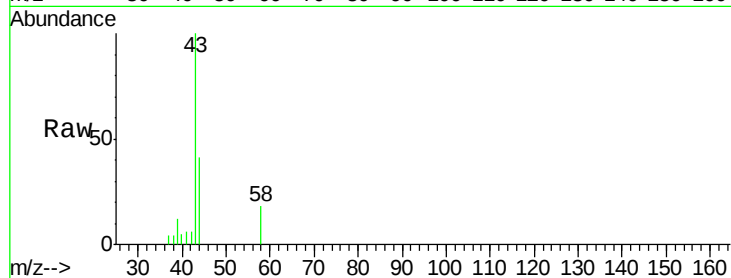
ClientSampleId :

Tot Ion: 43 Resp: 24116

Ion Ratio Lower Upper

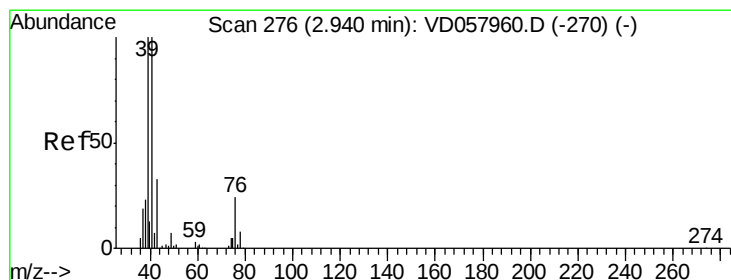
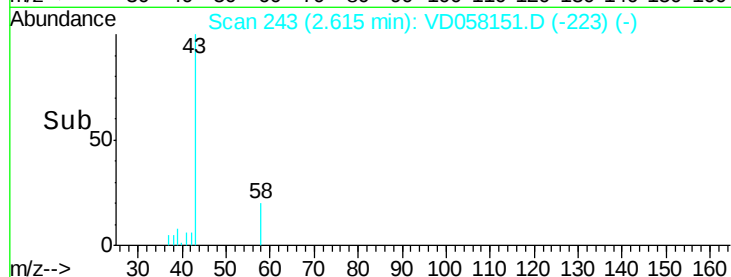
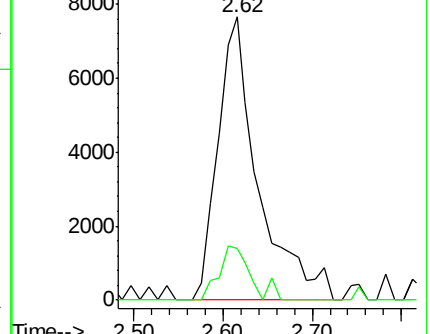
43 100

58 18.5 15.8 23.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 2.737 ug/l

RT: 2.95 min Scan# 277

Delta R.T. 0.01 min

Lab File: VD058151.D

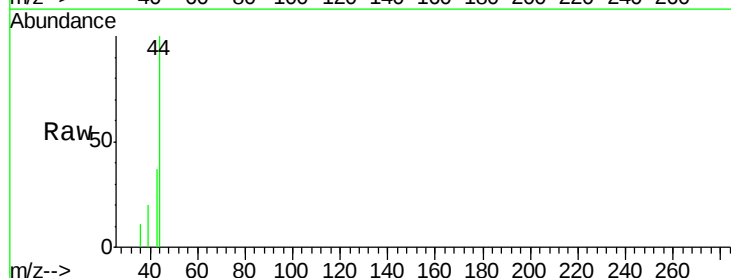
Acq: 14 Jun 2018 22:31

Tgt Ion: 43 Resp: 4801

Ion Ratio Lower Upper

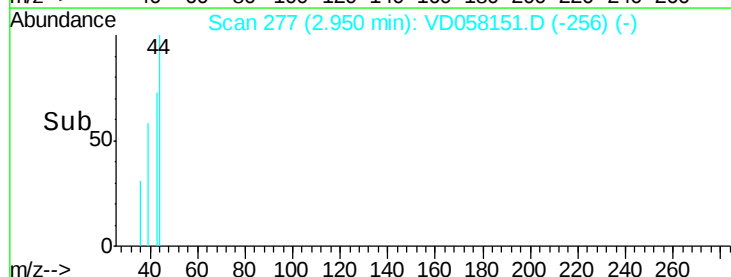
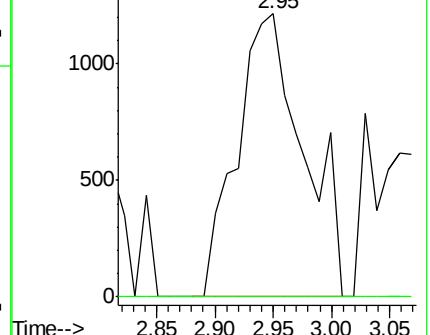
43 100

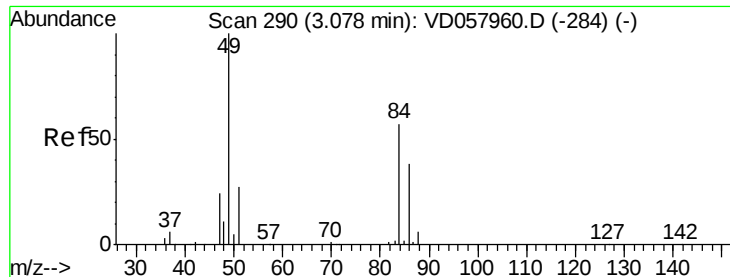
74 0.0 11.2 16.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

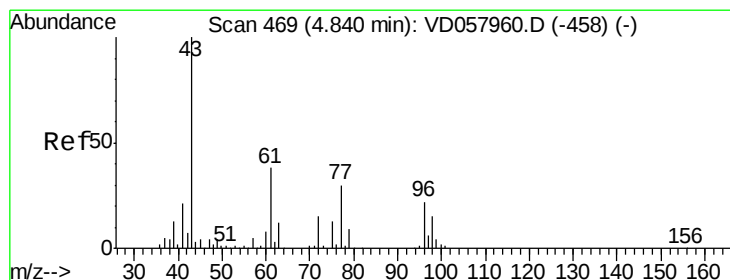
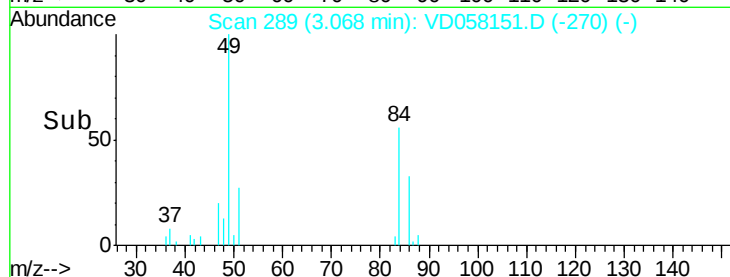
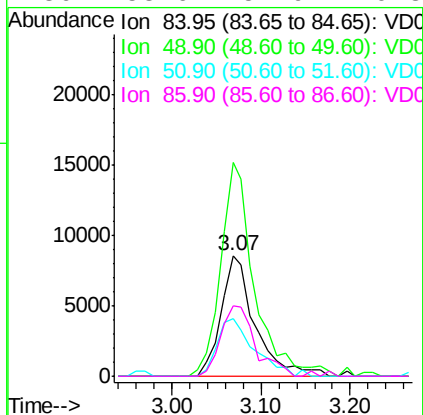
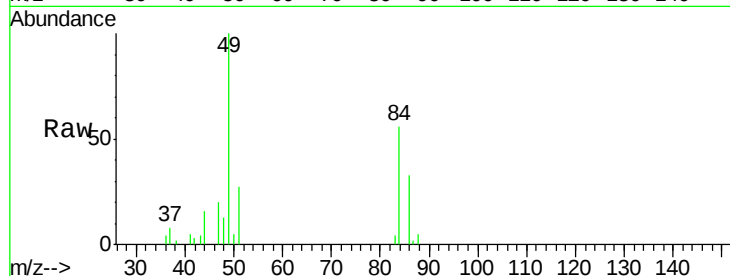




#20
Methvlene Chloride
Concen: 3.033 ug/l
RT: 3.07 min Scan# 289
Delta R.T. -0.01 min
Lab File: VD058151.D
Acq: 14 Jun 2018 22:31

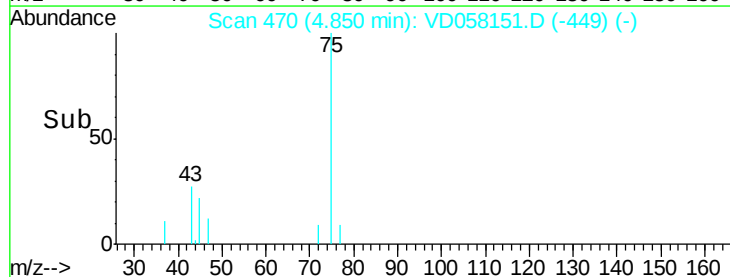
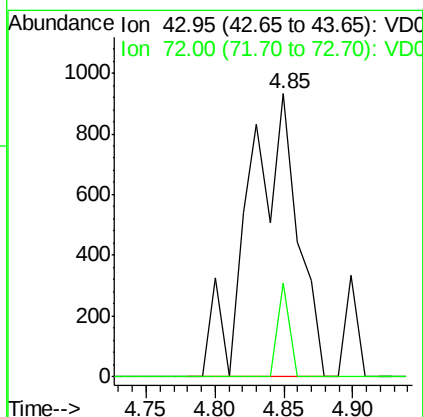
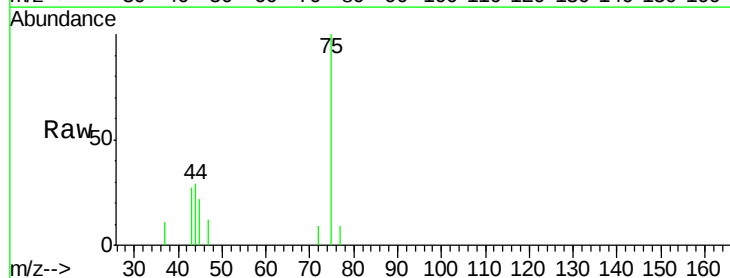
Instrument :
MSVOA_D
ClientSampleId :

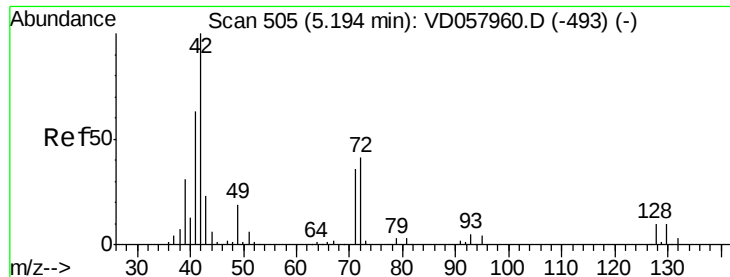
Tot Ion: 84 Resp: 22829
Ion Ratio Lower Upper
84 100
49 177.1 141.4 212.0
51 47.8 38.3 57.5
86 58.6 52.9 79.3



#25
2-Butanone
Concen: 1.117 ug/l
RT: 4.85 min Scan# 470
Delta R.T. 0.01 min
Lab File: VD058151.D
Acq: 14 Jun 2018 22:31

Tgt Ion: 43 Resp: 2302
Ion Ratio Lower Upper
43 100
72 33.2 12.0 18.0#

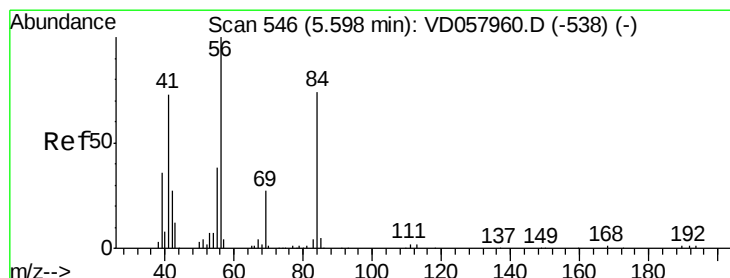
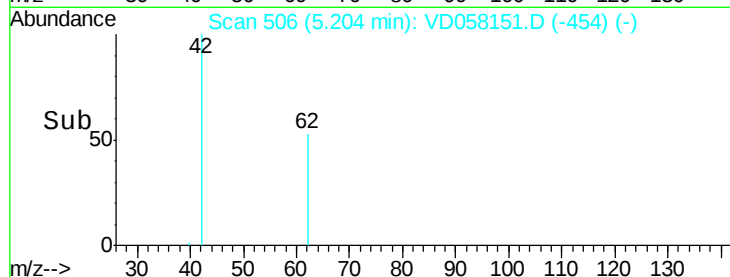
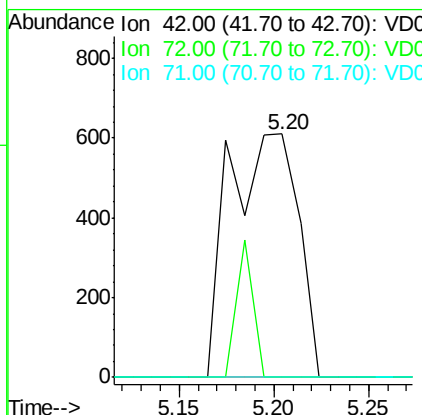
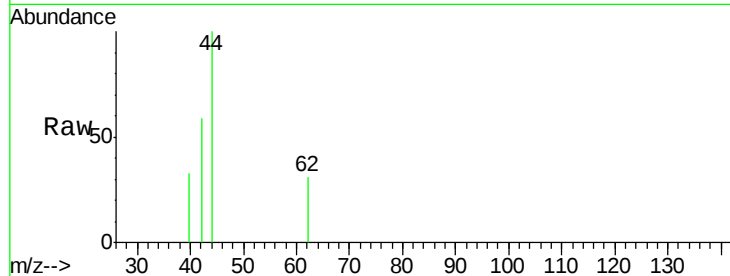




#29
Tetrahydrofuran
Concen: 1.427 ug/l
RT: 5.20 min Scan# 506
Delta R.T. 0.01 min
Lab File: VD058151.D
Acq: 14 Jun 2018 22:31

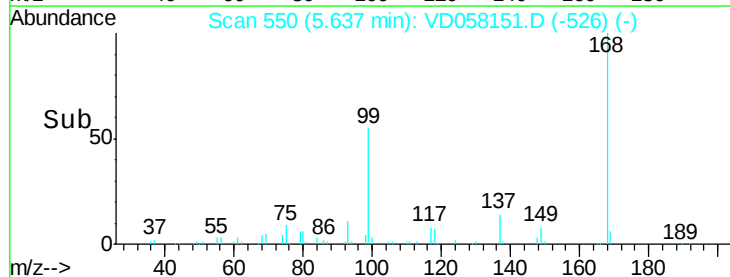
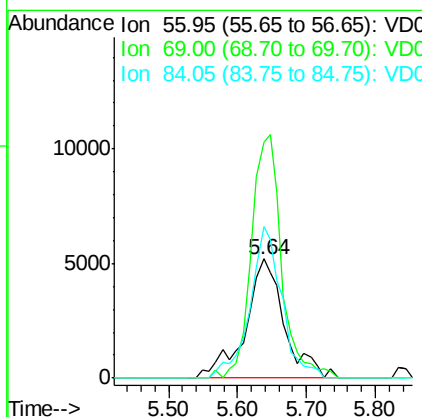
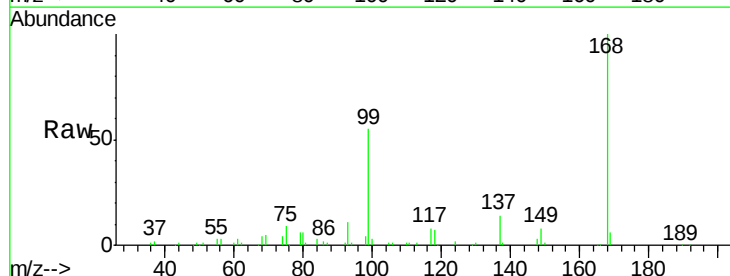
Instrument :
MSVOA_D
ClientSampleId :

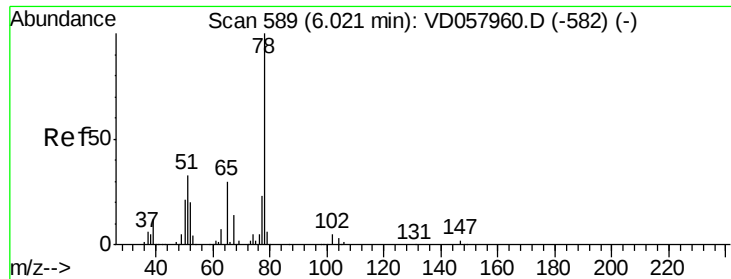
Tot Ion	Ratio	Lower	Upper
42	100		
72	13.2	28.5	42.7#
71	0.0	27.9	41.9#



#31
Cyclohexane
Concen: 1.857 ug/l
RT: 5.64 min Scan# 550
Delta R.T. 0.04 min
Lab File: VD058151.D
Acq: 14 Jun 2018 22:31

Tgt Ion	Ratio	Lower	Upper
56	100		
69	197.6	21.5	32.3#
84	126.9	61.0	91.6#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.02 min Scan# 589

Delta R.T. -0.00 min

Lab File: VD058151.D

Acq: 14 Jun 2018 22:31

Instrument :

MSVOA_D

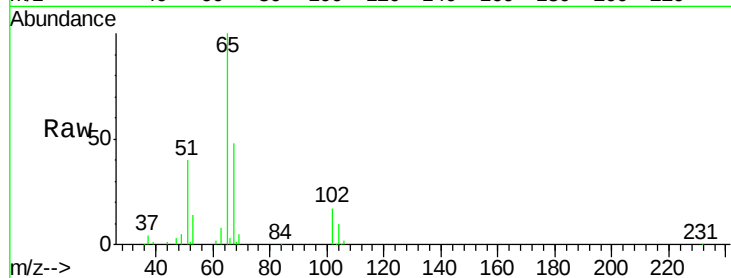
ClientSampleId :

Tot Ion: 65 Resp: 260602

Ion Ratio Lower Upper

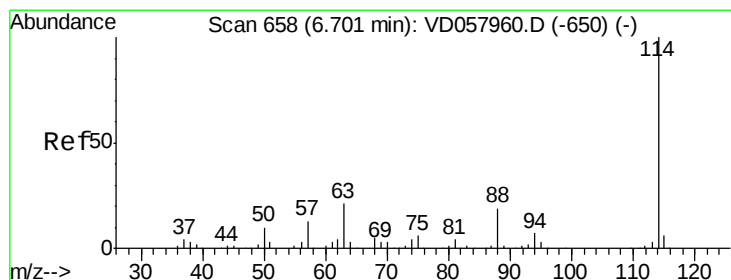
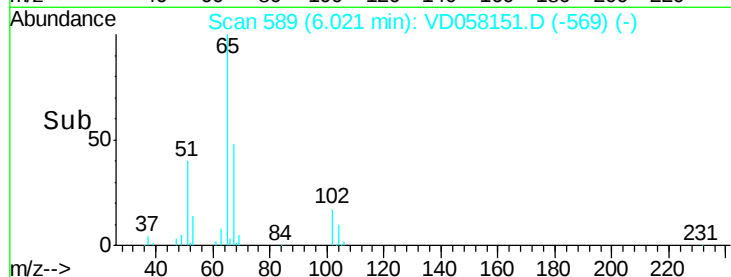
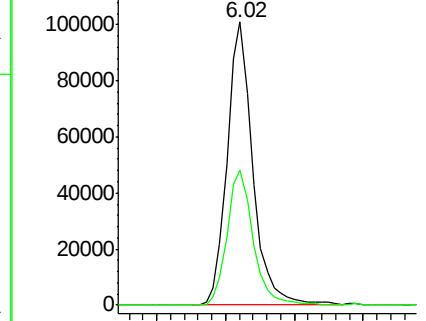
65 100

67 47.6 0.0 94.0



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: 6.69 min Scan# 657

Delta R.T. -0.01 min

Lab File: VD058151.D

Acq: 14 Jun 2018 22:31

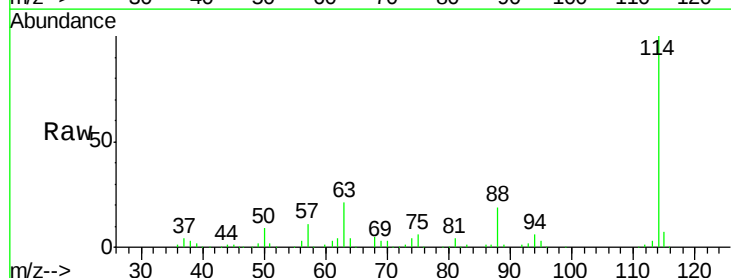
Tgt Ion: 114 Resp: 841874

Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.8

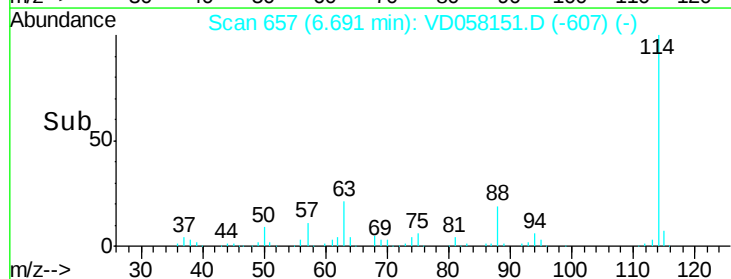
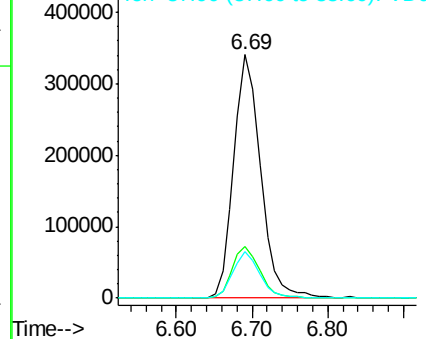
88 19.1 0.0 37.8

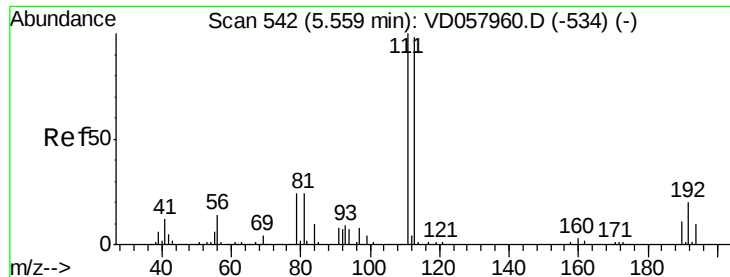


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

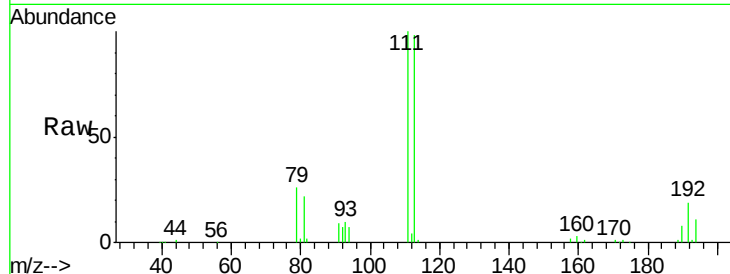




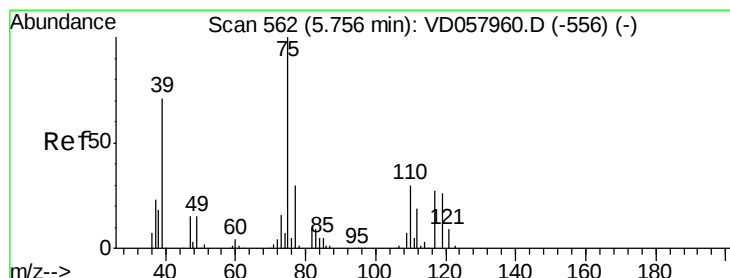
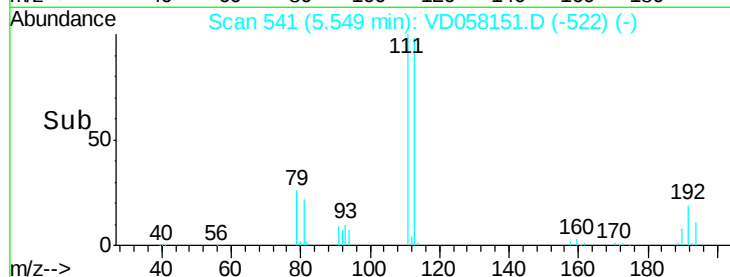
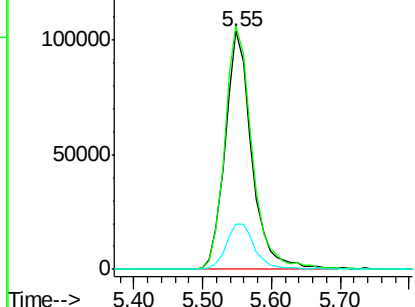
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.55 min Scan# 541
 Delta R.T. -0.01 min
 Lab File: VD058151.D
 Acq: 14 Jun 2018 22:31

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:113 Resp: 277459
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.5 122.3
 192 19.1 16.4 24.6

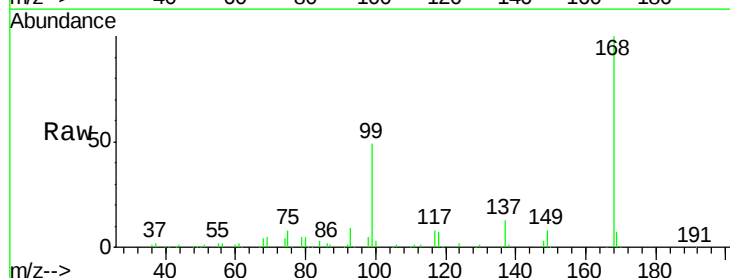


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

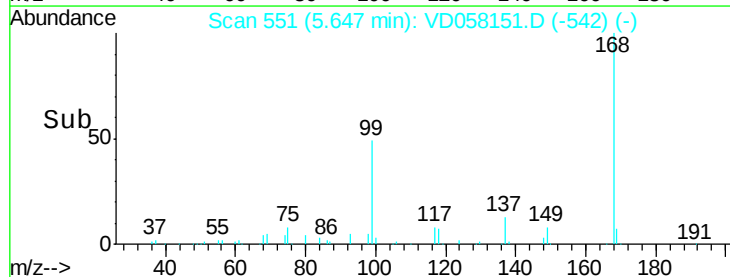
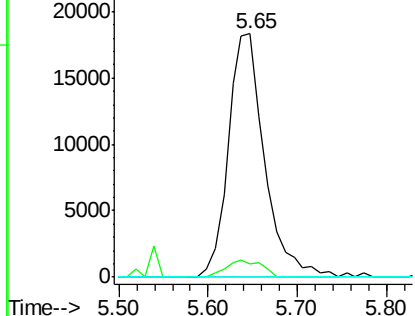


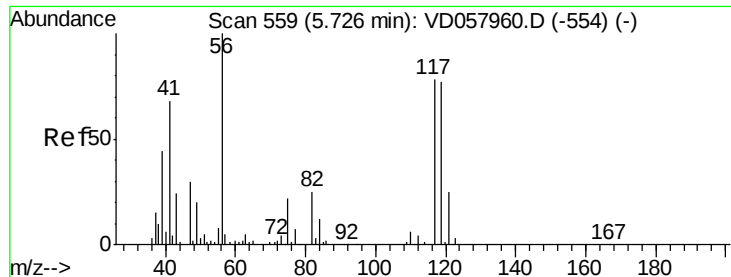
#36
 1,1-Dichloropropene
 Concen: 5.600 ug/l
 RT: 5.65 min Scan# 551
 Delta R.T. -0.11 min
 Lab File: VD058151.D
 Acq: 14 Jun 2018 22:31

Tgt Ion: 75 Resp: 51944
 Ion Ratio Lower Upper
 75 100
 110 5.3 14.8 44.3#
 77 0.0 23.9 35.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 5.609 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.08 min

Lab File: VD058151.D

Acq: 14 Jun 2018 22:31

Instrument :
MSVOA_D
ClientSampled :

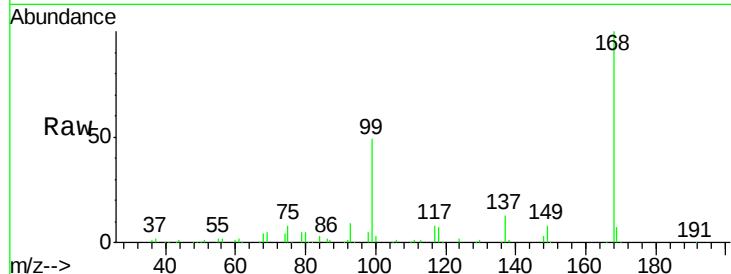
Tot Ion:117 Resp: 51275

Ion Ratio Lower Upper

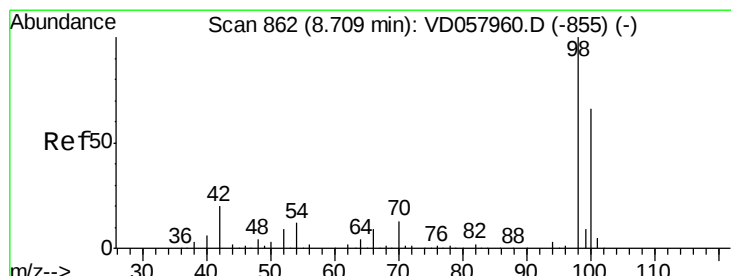
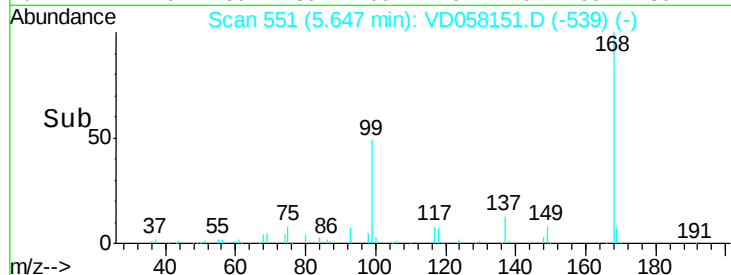
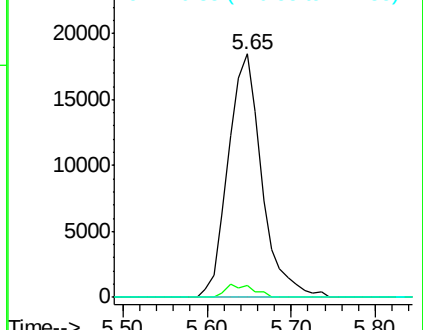
117 100

119 4.7 76.1 114.1#

121 0.0 24.9 37.3#



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



#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.71 min Scan# 862

Delta R.T. -0.00 min

Lab File: VD058151.D

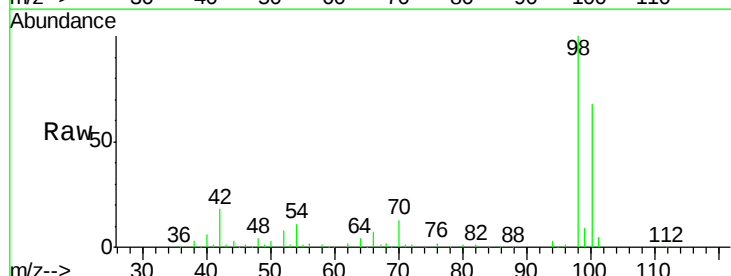
Acq: 14 Jun 2018 22:31

Tgt Ion: 98 Resp: 433115

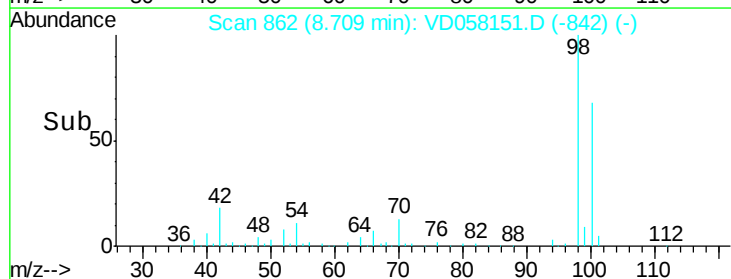
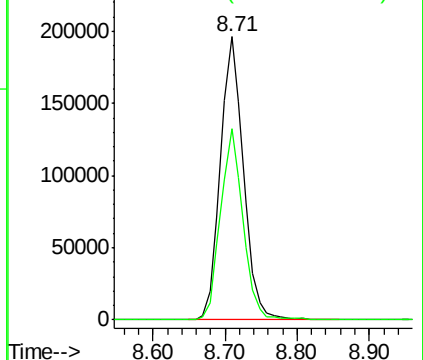
Ion Ratio Lower Upper

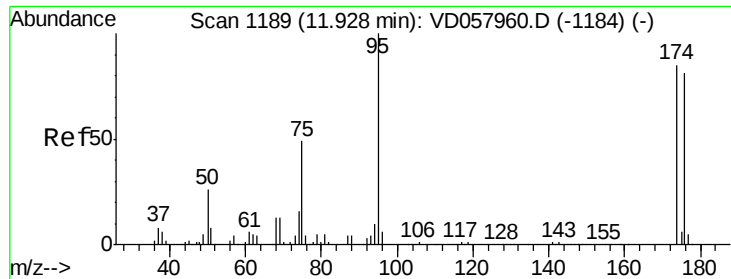
98 100

100 67.7 53.4 80.0



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

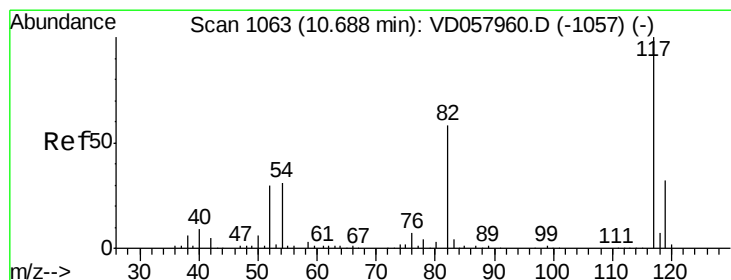
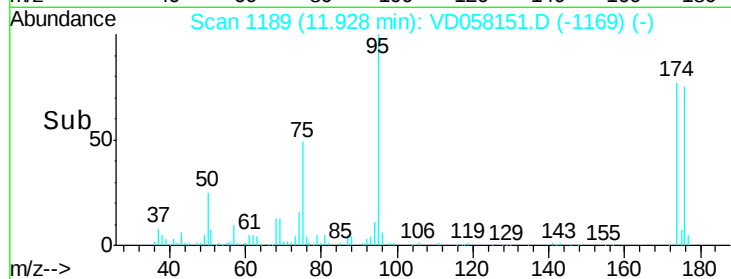
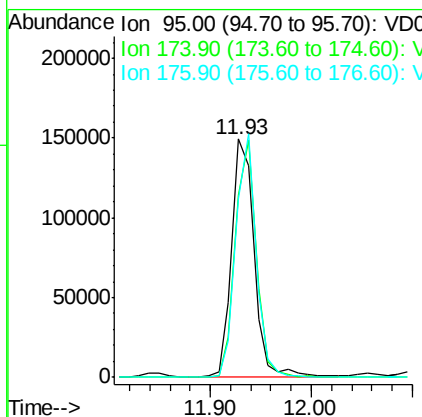
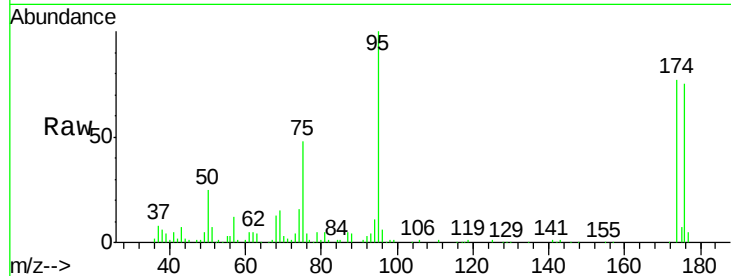




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.93 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VD058151.D
Acq: 14 Jun 2018 22:31

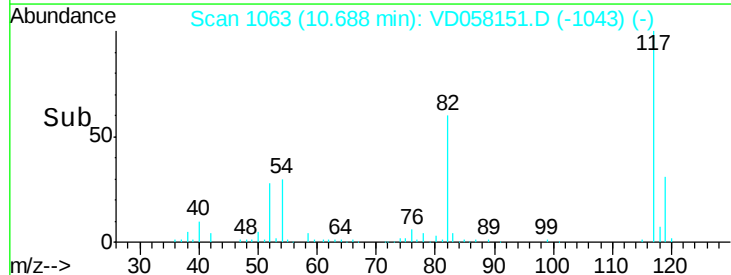
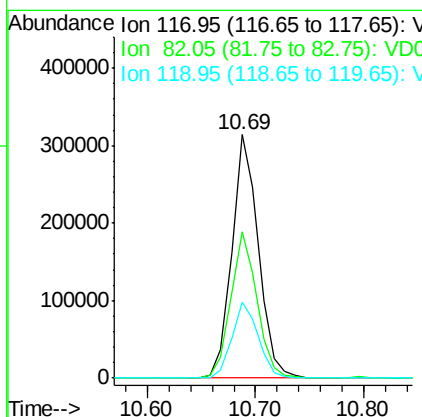
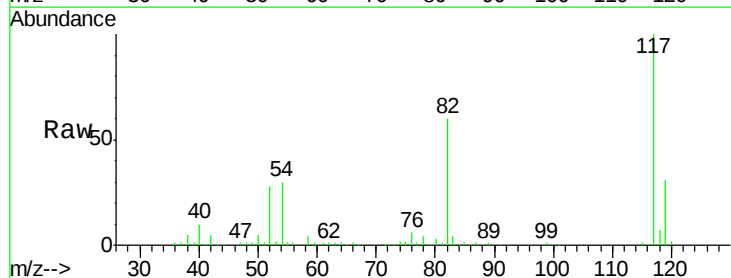
Instrument :
MSVOA_D
ClientSampleId :

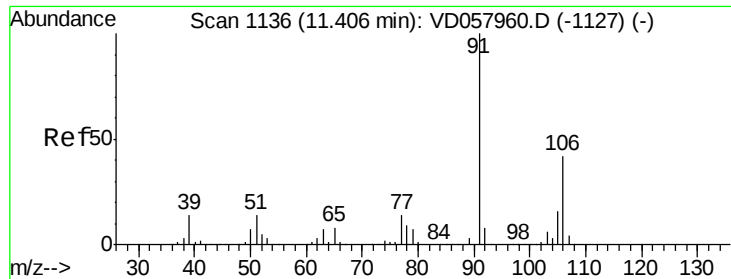
Tot Ion: 95 Resp: 232873
Ion Ratio Lower Upper
95 100
174 76.6 0.0 169.4
176 75.0 0.0 162.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD058151.D
Acq: 14 Jun 2018 22:31

Tgt Ion: 117 Resp: 534472
Ion Ratio Lower Upper
117 100
82 60.4 46.8 70.2
119 31.4 25.8 38.6

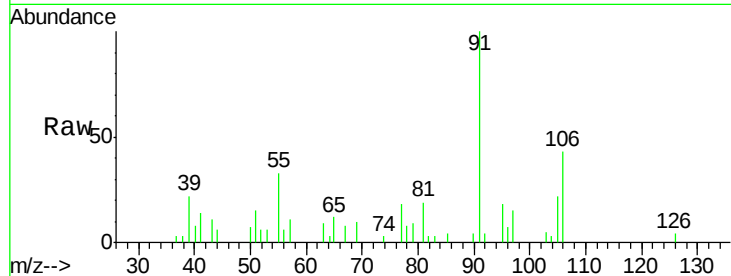




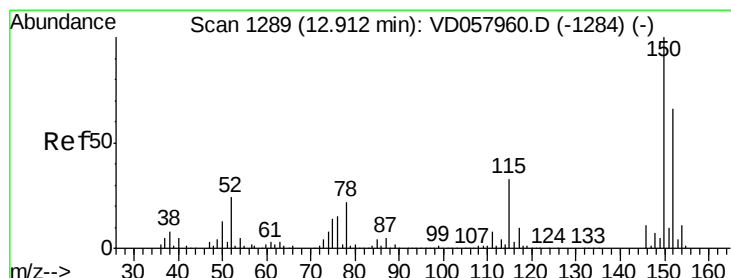
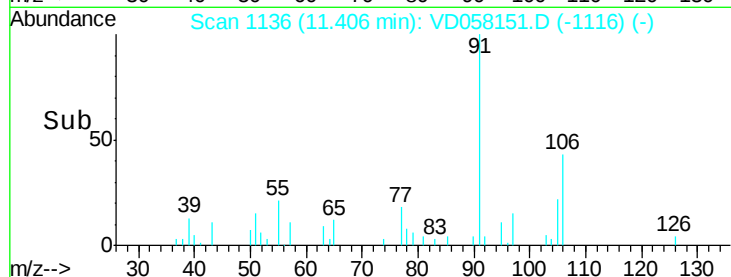
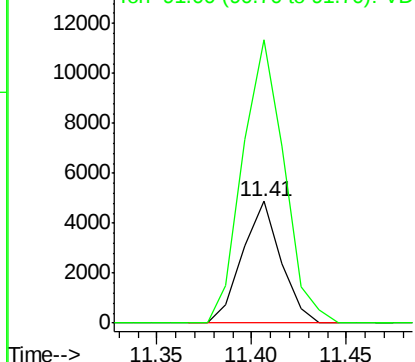
#69
o-Xylene
Concen: 1.090 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD058151.D
Acq: 14 Jun 2018 22:31

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:106 Resp: 6894
Ion Ratio Lower Upper
106 100
91 232.2 120.6 361.7

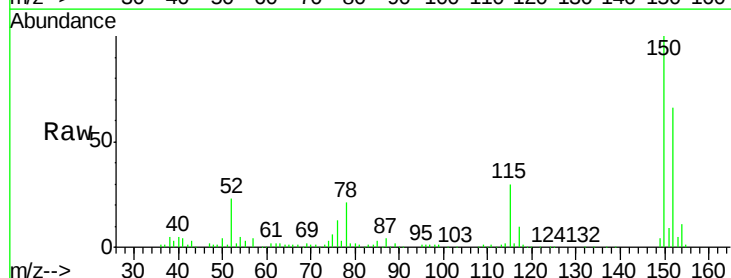


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

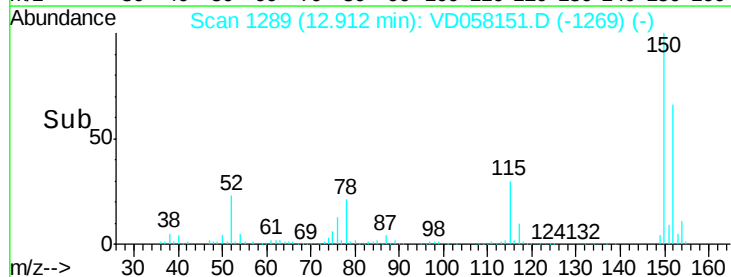
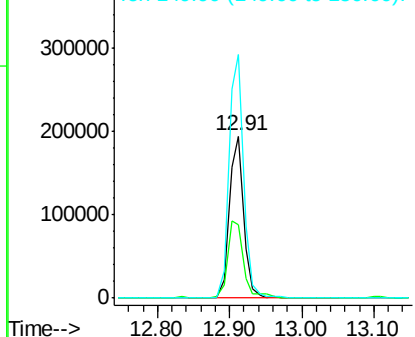


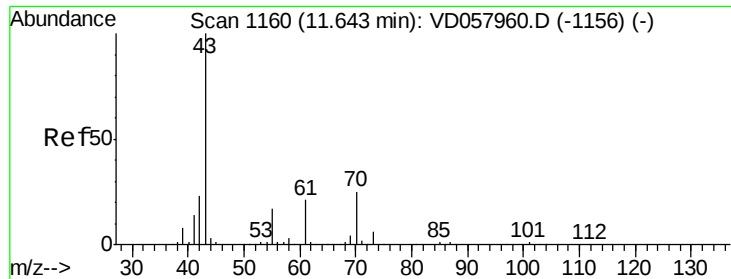
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VD058151.D
Acq: 14 Jun 2018 22:31

Tgt Ion:152 Resp: 270419
Ion Ratio Lower Upper
152 100
115 45.5 25.6 76.6
150 150.4 0.0 306.8



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





#74

N-amvl acetate

Concen: 2.252 ug/l

RT: 11.59 min Scan# 1155

Delta R.T. -0.05 min

Lab File: VD058151.D

Acq: 14 Jun 2018 22:31

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 43 Resp: 15568

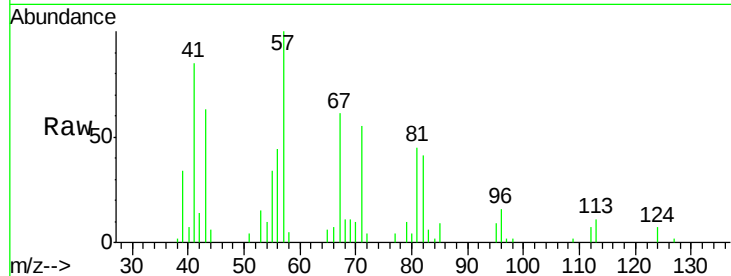
Ion Ratio Lower Upper

43 100

70 15.6 20.3 30.5#

55 53.9 13.9 20.9#

61 0.0 16.6 24.8#

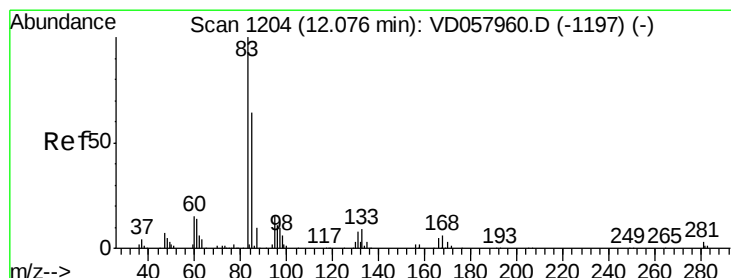
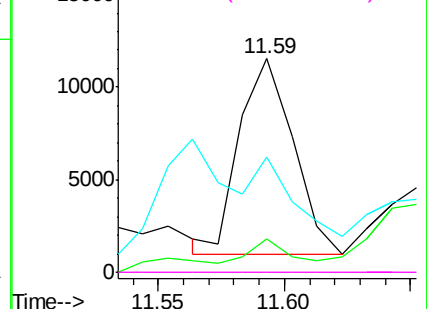
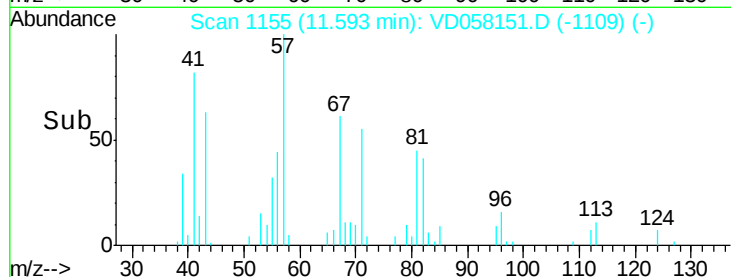


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



#75

1,1,2,2-Tetrachloroethane

Concen: 3.323 ug/l

RT: 12.09 min Scan# 1205

Delta R.T. 0.01 min

Lab File: VD058151.D

Acq: 14 Jun 2018 22:31

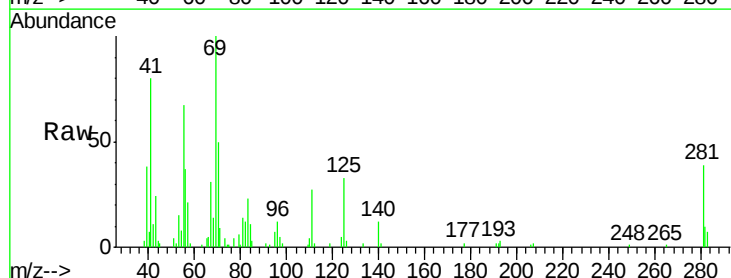
Tgt Ion: 83 Resp: 12975

Ion Ratio Lower Upper

83 100

131 0.0 4.2 12.6#

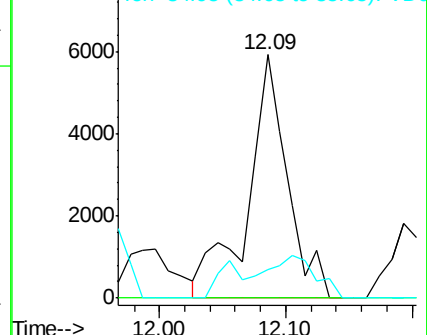
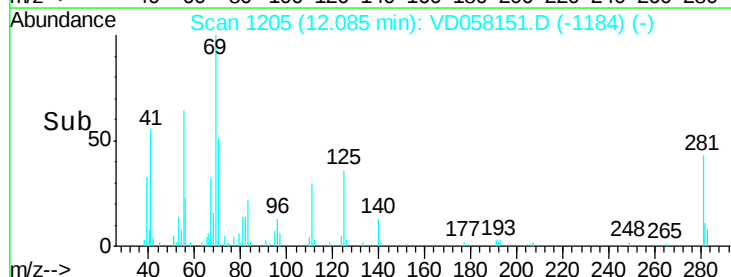
85 11.7 31.9 95.5#

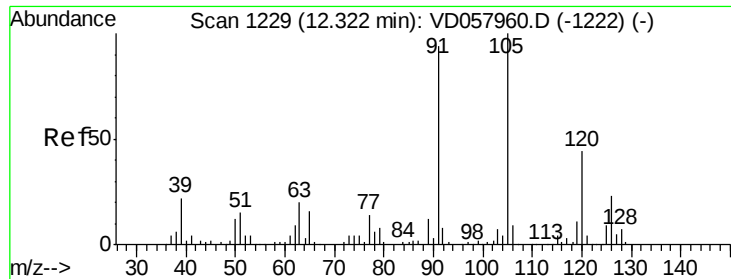


Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC





#80

1,3,5-Trimethylbenzene

Concen: 1.972 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VD058151.D

Acq: 14 Jun 2018 22:31

Instrument :

MSVOA_D

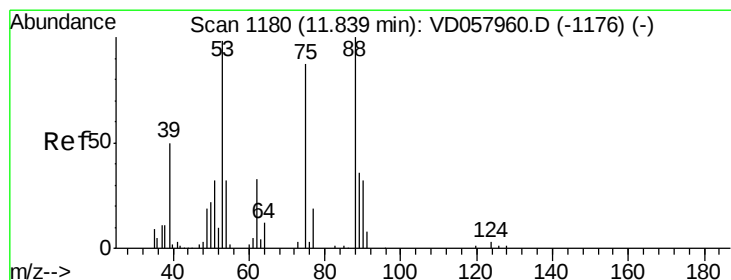
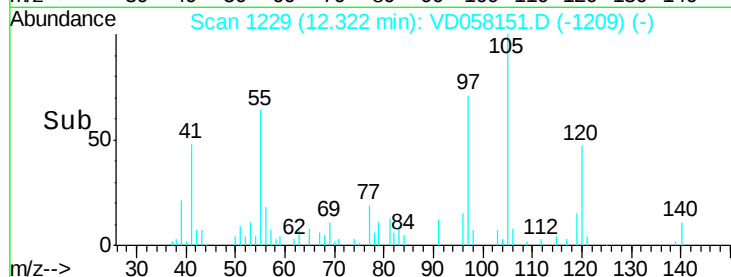
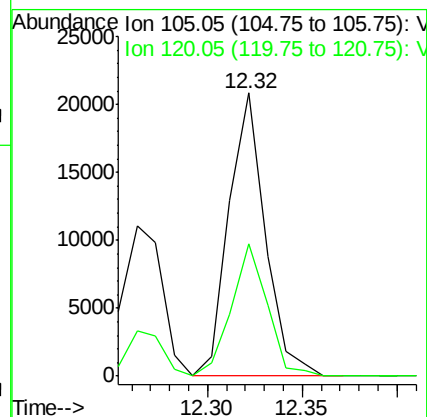
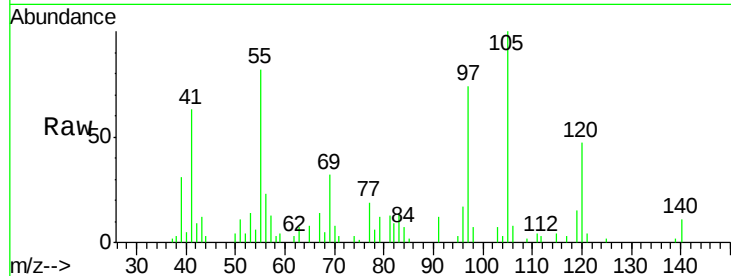
ClientSampled :

Tot Ion:105 Resp: 27546

Ion Ratio Lower Upper

105 100

120 46.9 22.0 66.0



#81

trans-1,4-Dichloro-2-butene

Concen: 103.176 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058151.D

Acq: 14 Jun 2018 22:31

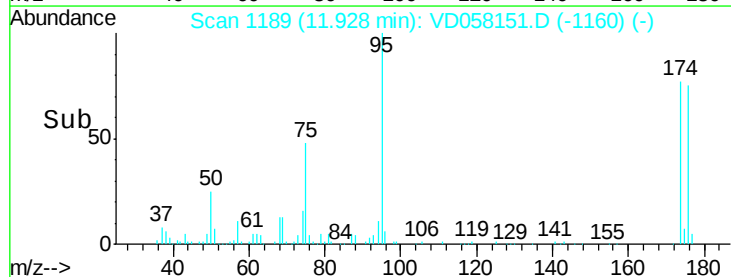
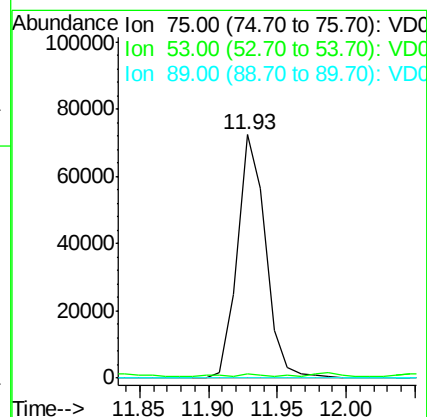
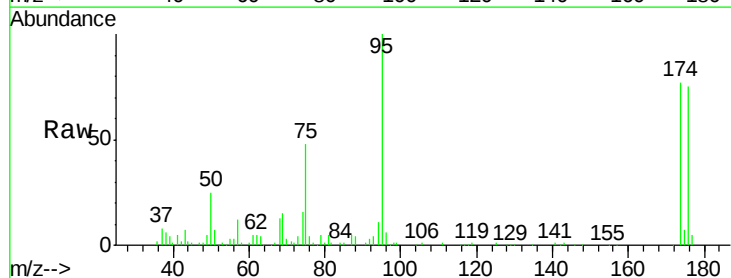
Tgt Ion: 75 Resp: 103807

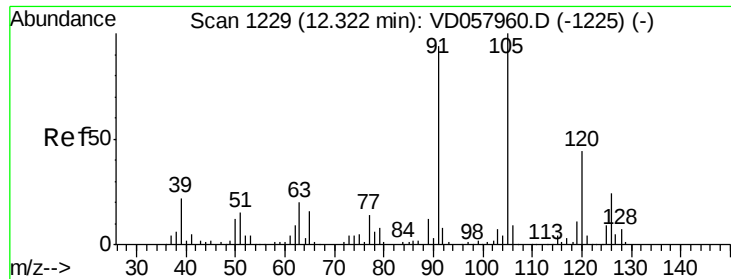
Ion Ratio Lower Upper

75 100

53 1.6 89.3 133.9#

89 0.0 33.3 49.9#

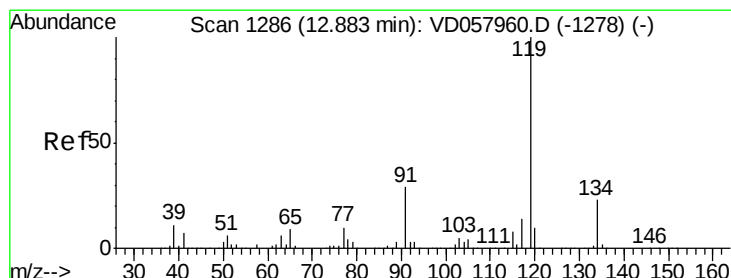
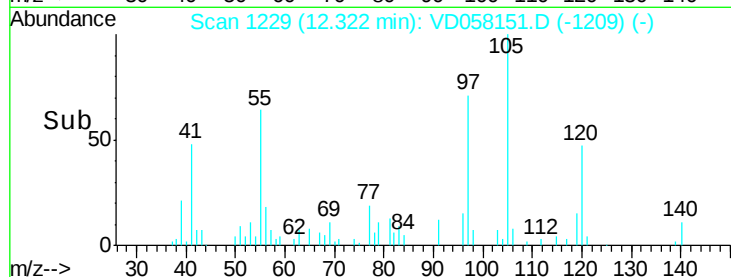
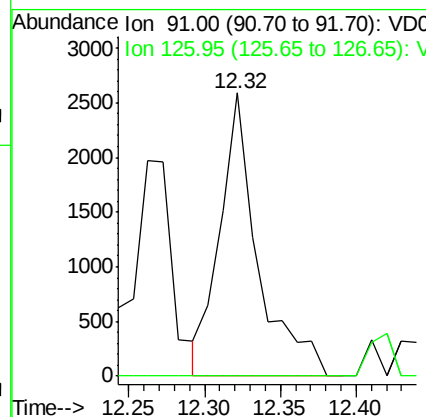
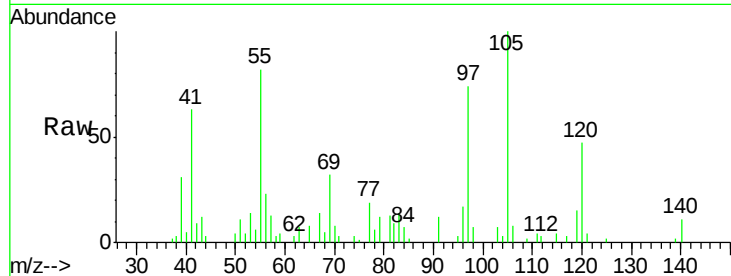




#82
4-Chlorotoluene
Concen: Below Cal
RT: 12.32 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VD058151.D
Acq: 14 Jun 2018 22:31

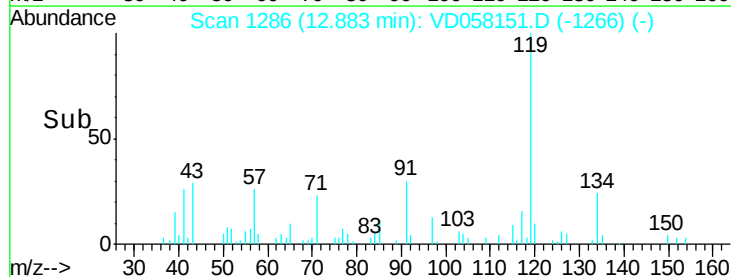
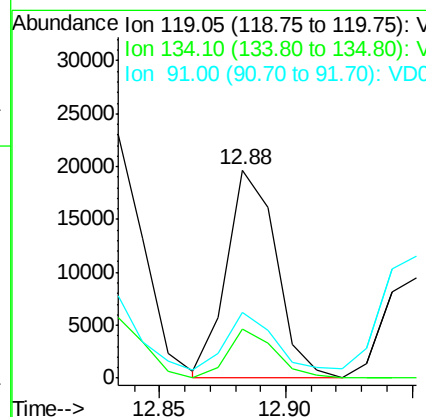
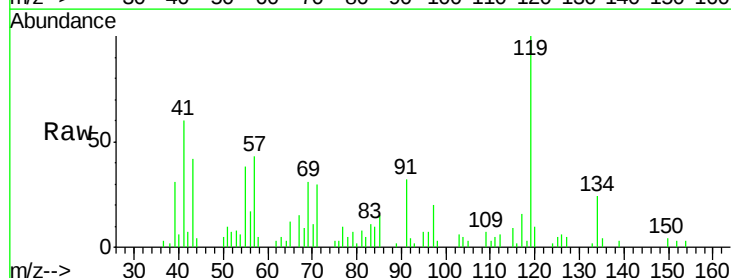
Instrument :
MSVOA_D
ClientSampleId :

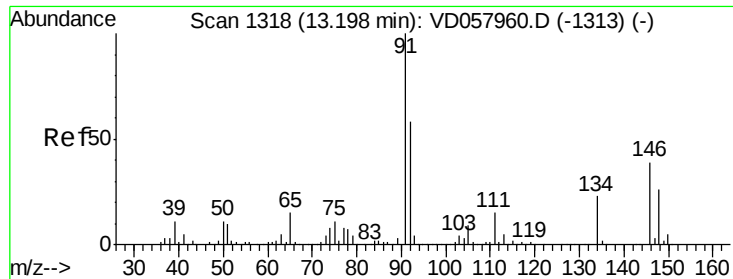
Tot Ion: 91 Resp: 4524
Ion Ratio Lower Upper
91 100
126 0.0 12.5 37.5#



#86
p-Isopropyltoluene
Concen: 1.749 ug/l
RT: 12.88 min Scan# 1286
Delta R.T. -0.00 min
Lab File: VD058151.D
Acq: 14 Jun 2018 22:31

Tgt Ion: 119 Resp: 26831
Ion Ratio Lower Upper
119 100
134 23.8 11.5 34.4
91 31.8 14.5 43.6

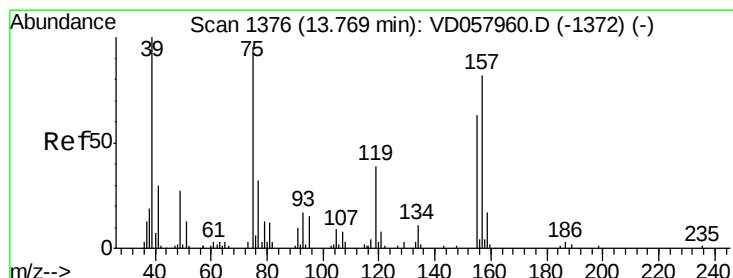
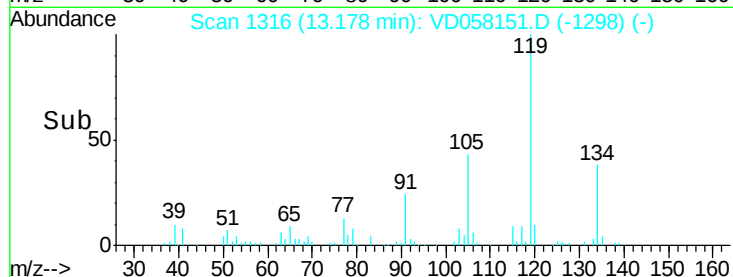
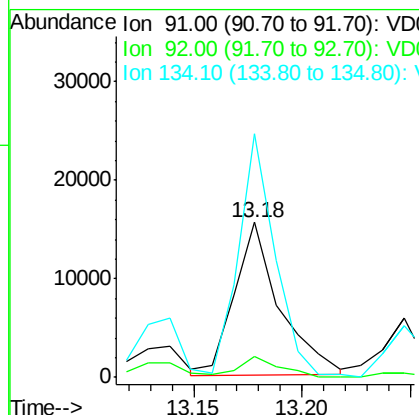
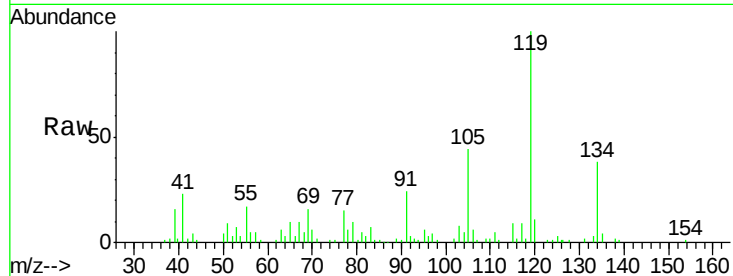




#89
n-Butylbenzene
Concen: Below Cal
RT: 13.18 min Scan# 1316
Delta R.T. -0.02 min
Lab File: VD058151.D
Acq: 14 Jun 2018 22:31

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 22577
Ion Ratio Lower Upper
91 100
92 13.9 29.2 87.6#
134 157.0 11.3 33.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.037 ug/l
RT: 13.77 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VD058151.D
Acq: 14 Jun 2018 22:31

Tgt Ion: 75 Resp: 625
Ion Ratio Lower Upper
75 100
155 0.0 33.4 100.1#
157 0.0 42.9 128.5#

