

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD033119\
 Data File : VD061448.D
 Acq On : 31 Mar 2019 15:51
 Operator : VA/AP
 Sample : K1697-15RE
 Misc : 5.94g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 01 01:54:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	616471	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.25	114	1086274	50.00	ug/l	0.06
63) Chlorobenzene-d5	12.39	117	858069	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	348127	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.49	65	244193	46.37	ug/l	0.05
Spiked Amount			Recovery	=	92.74%	
35) Dibromofluoromethane	6.95	113	392145	47.24	ug/l	0.05
Spiked Amount			Recovery	=	94.48%	
50) Toluene-d8	10.44	98	840507	42.22	ug/l	0.05
Spiked Amount			Recovery	=	84.44%	
62) 4-Bromofluorobenzene	13.57	95	336570	44.08	ug/l	0.02
Spiked Amount			Recovery	=	88.16%	

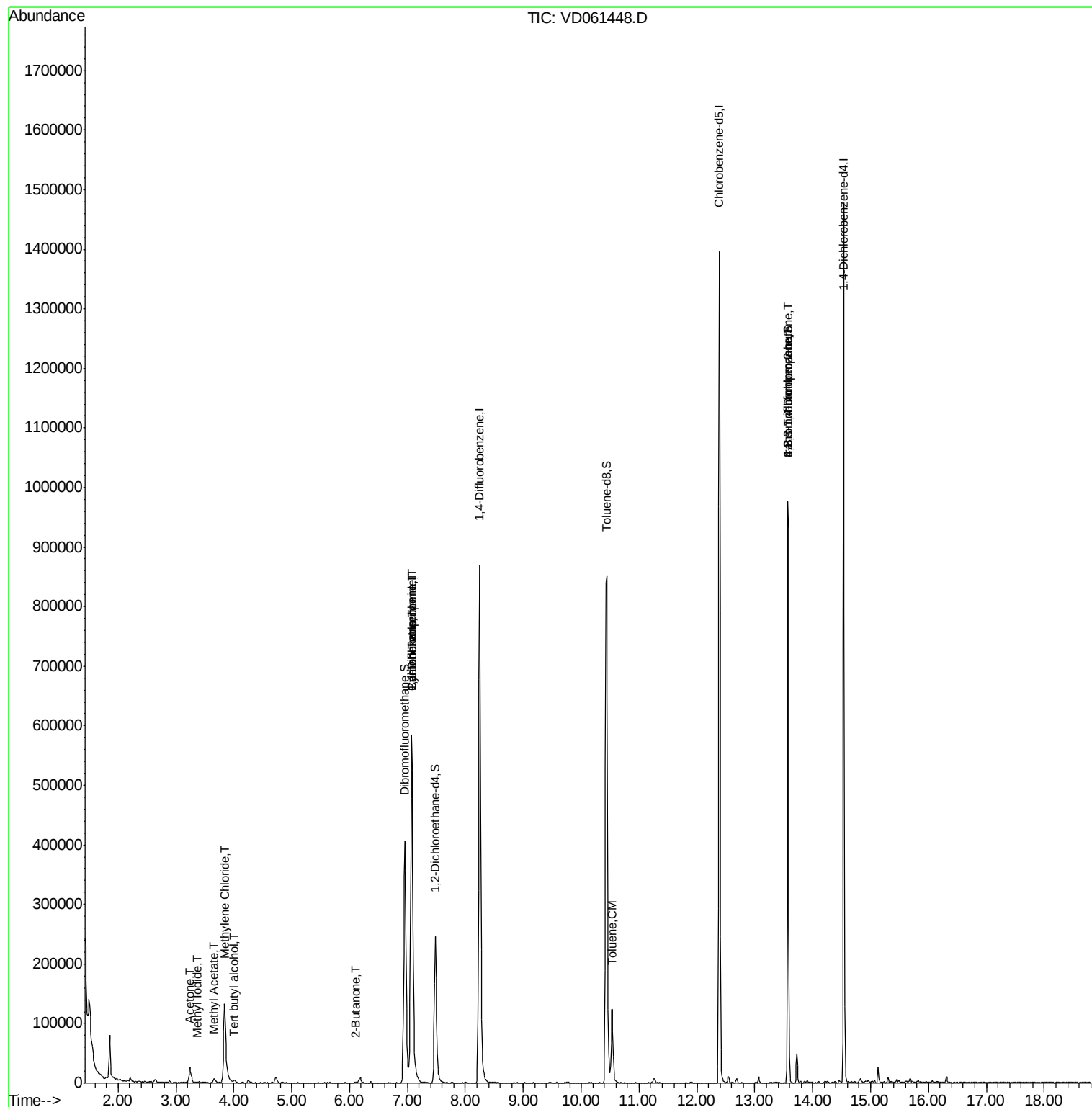
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.35	142	961	3.542	ug/l #	38
11) Tert butyl alcohol	4.02	59	2827	8.620	ug/l #	76
16) Acetone	3.24	43	51725	38.209	ug/l	93
18) Methyl Acetate	3.67	43	12153	4.270	ug/l	94
20) Methylene Chloride	3.84	84	105978	12.536	ug/l	99
25) 2-Butanone	6.11	43	2040	1.198	ug/l #	54
31) Cyclohexane	7.07	56	9731	1.073	ug/l #	1
36) 1,1-Dichloropropene	7.07	75	43501	4.588	ug/l #	44
38) Carbon Tetrachloride	7.07	117	58747	5.392	ug/l #	13
52) Toluene	10.54	92	72792	5.015	ug/l	99
76) 1,2,3-Trichloropropane	13.57	75	123507	24.560	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.57	75	123500	80.546	ug/l #	18

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.05 min

Lab File: VD061448.D

Acq: 31 Mar 2019 15:51

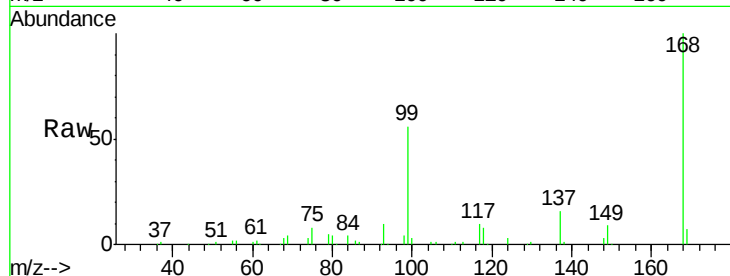
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 616471

Ion Ratio Lower Upper

168 100

99 55.9 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.07

250000

200000

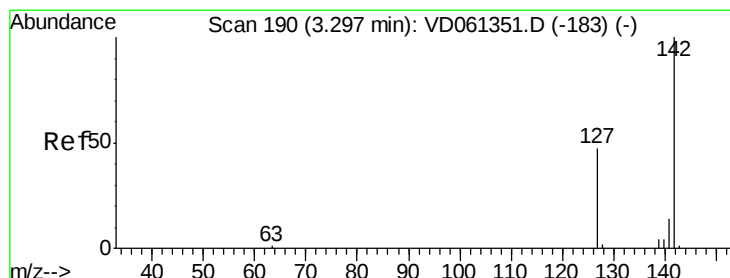
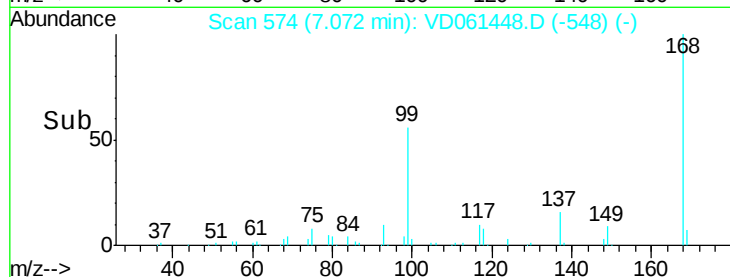
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#10

Methyl Iodide

Concen: 3.542 ug/l

RT: 3.35 min Scan# 196

Delta R.T. 0.05 min

Lab File: VD061448.D

Acq: 31 Mar 2019 15:51

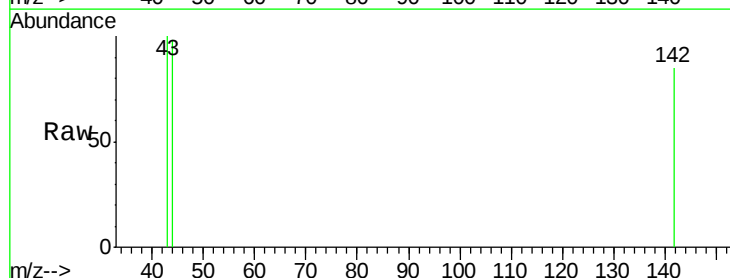
Tgt Ion:142 Resp: 961

Ion Ratio Lower Upper

142 100

127 0.0 37.7 56.5#

141 0.0 11.5 17.3#



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

3.35

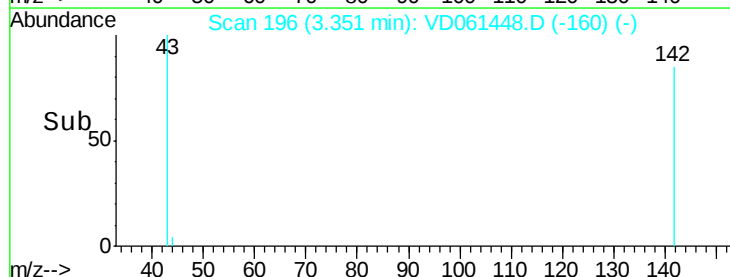
600

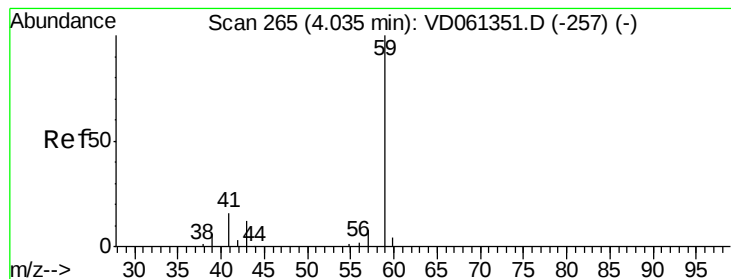
400

200

0

Time--> 3.30 3.35 3.40



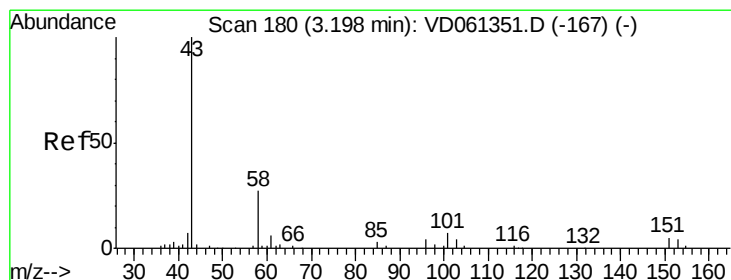
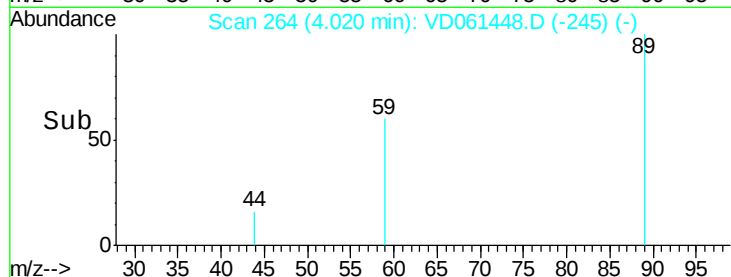
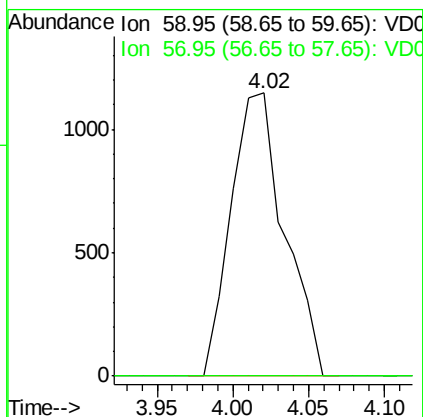
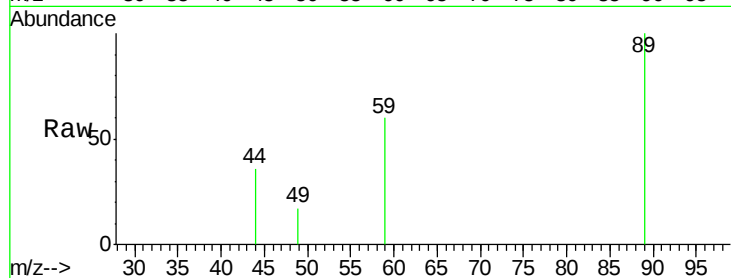


#11

Tert butyl alcohol
 Concen: 8.620 ug/l
 RT: 4.02 min Scan# 264
 Delta R.T. -0.01 min
 Lab File: VD061448.D
 Acq: 31 Mar 2019 15:51

Instrument :
 MSVOA_D
 ClientSampleId :

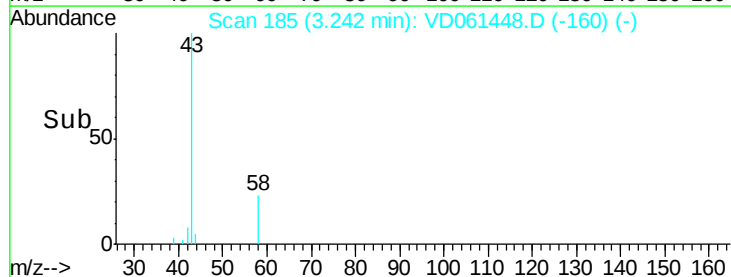
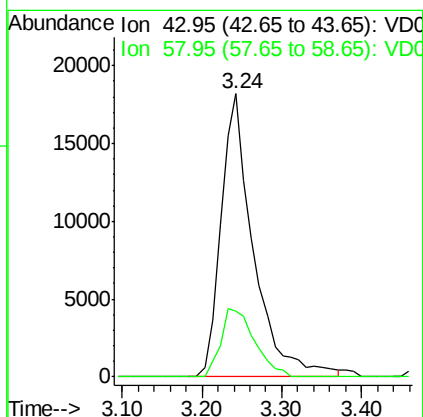
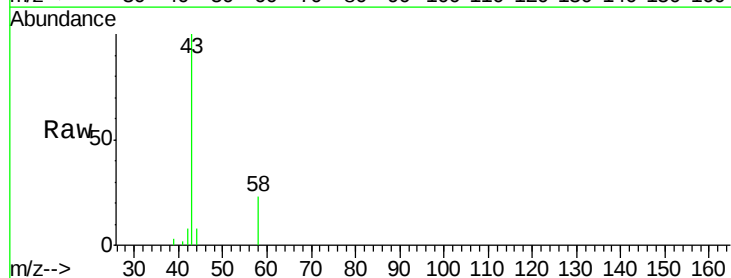
Tot Ion: 59 Resp: 2827
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.7 10.1#

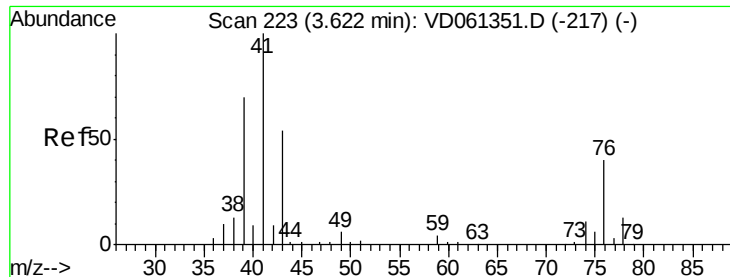


#16

Acetone
 Concen: 38.209 ug/l
 RT: 3.24 min Scan# 185
 Delta R.T. 0.04 min
 Lab File: VD061448.D
 Acq: 31 Mar 2019 15:51

Tgt Ion: 43 Resp: 51725
 Ion Ratio Lower Upper
 43 100
 58 23.4 21.5 32.3





#18

Methyl Acetate

Concen: 4.270 ug/l

RT: 3.67 min Scan# 228

Delta R.T. 0.04 min

Lab File: VD061448.D

Acq: 31 Mar 2019 15:51

Instrument :

MSVOA_D

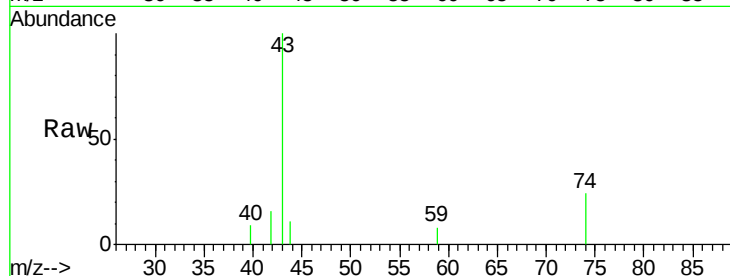
ClientSampleId :

Tot Ion: 43 Resp: 12153

Ion Ratio Lower Upper

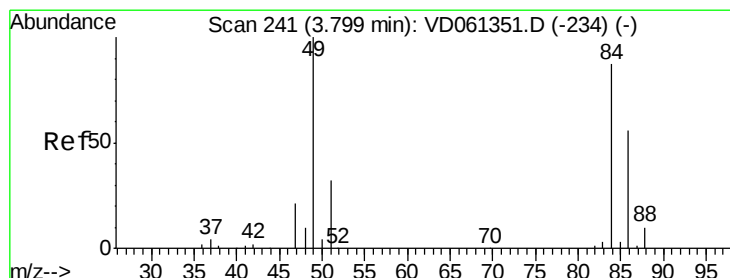
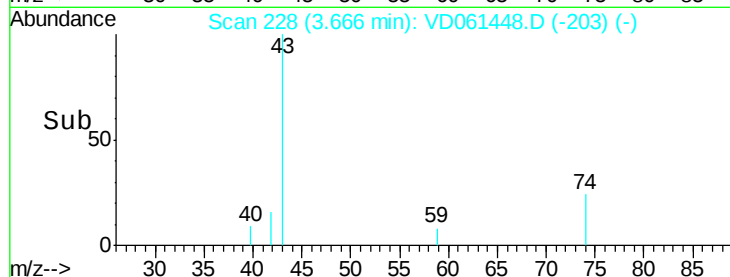
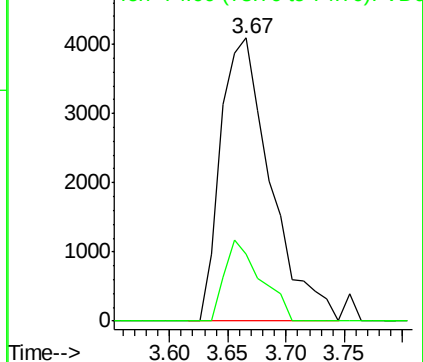
43 100

74 23.9 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



#20

Methylene Chloride

Concen: 12.536 ug/l

RT: 3.84 min Scan# 246

Delta R.T. 0.04 min

Lab File: VD061448.D

Acq: 31 Mar 2019 15:51

Tgt Ion: 84 Resp: 105978

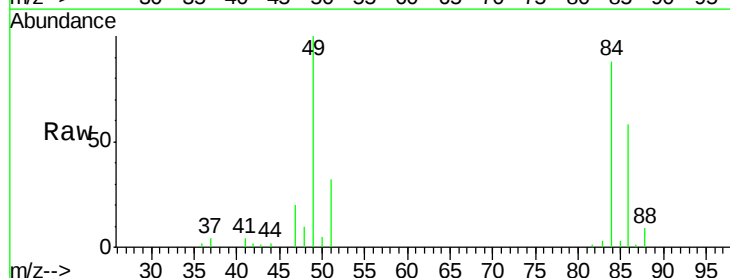
Ion Ratio Lower Upper

84 100

49 113.8 91.8 137.8

51 36.5 29.8 44.8

86 66.0 51.8 77.6

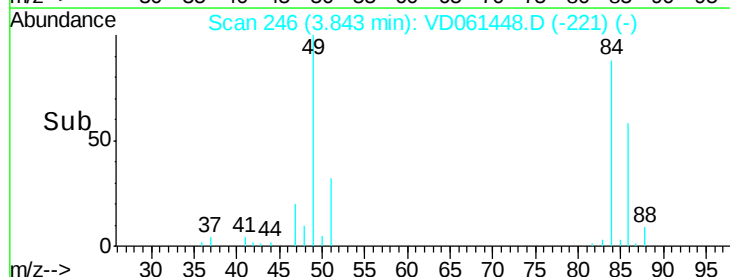
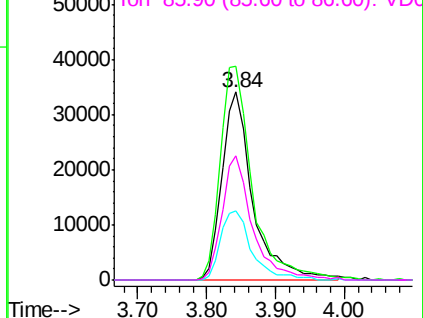


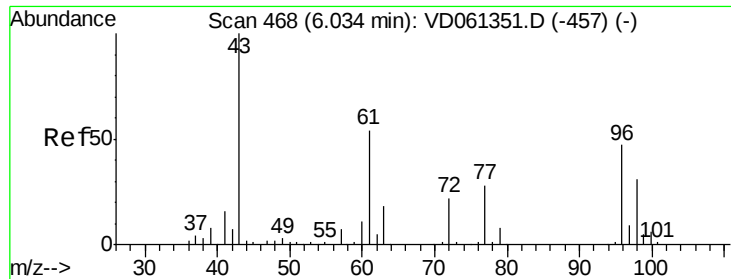
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

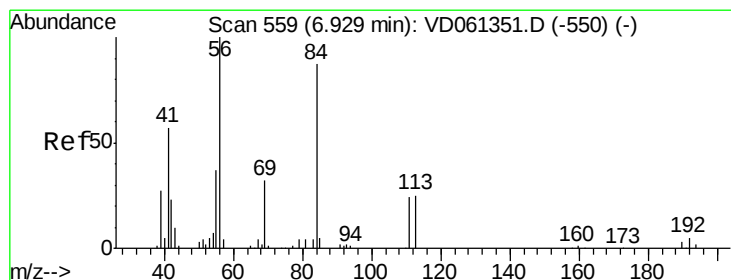
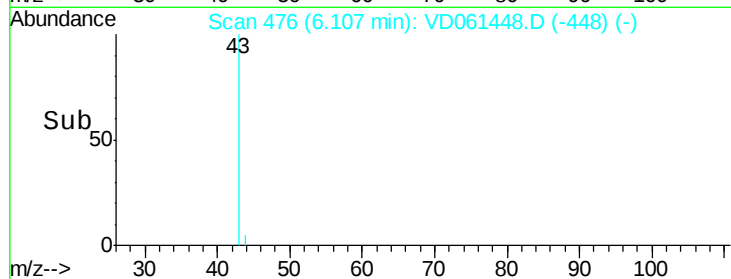
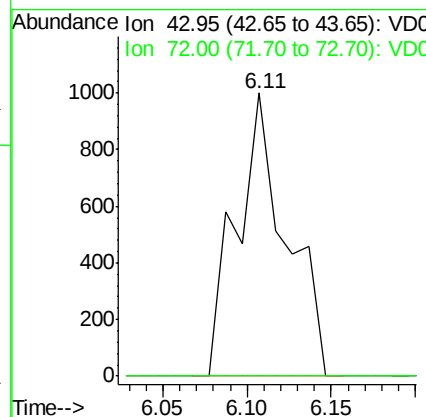
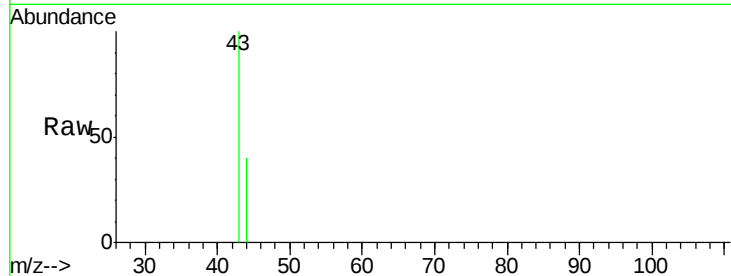




#25
2-Butanone
Concen: 1.198 ug/l
RT: 6.11 min Scan# 476
Delta R.T. 0.07 min
Lab File: VD061448.D
Acq: 31 Mar 2019 15:51

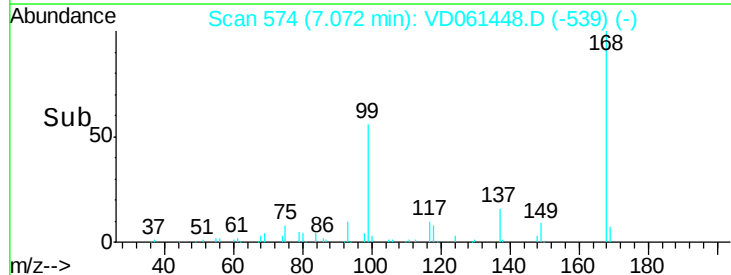
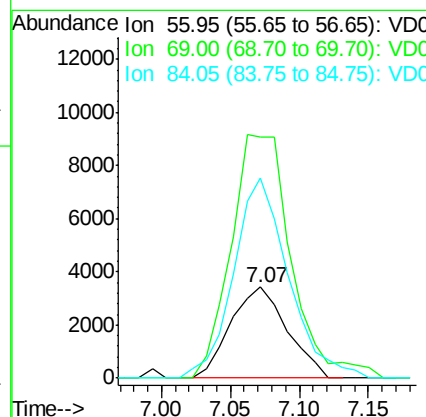
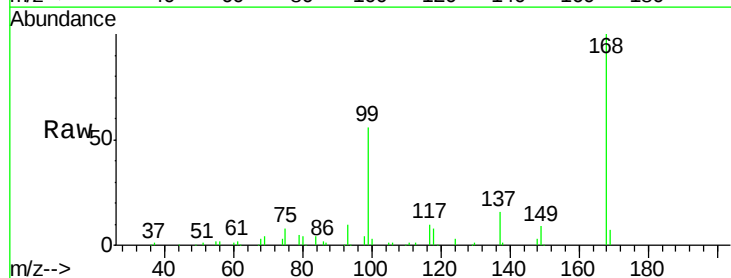
Instrument :
MSVOA_D
ClientSampled :

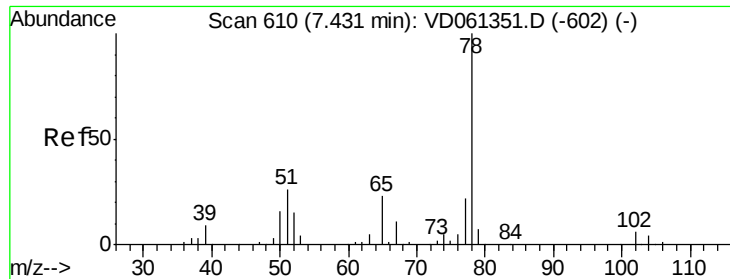
Tot Ion: 43 Resp: 2040
Ion Ratio Lower Upper
43 100
72 0.0 17.2 25.8#



#31
Cyclohexane
Concen: 1.073 ug/l
RT: 7.07 min Scan# 574
Delta R.T. 0.14 min
Lab File: VD061448.D
Acq: 31 Mar 2019 15:51

Tgt Ion: 56 Resp: 9731
Ion Ratio Lower Upper
56 100
69 265.4 25.7 38.5#
84 220.1 70.6 105.8#

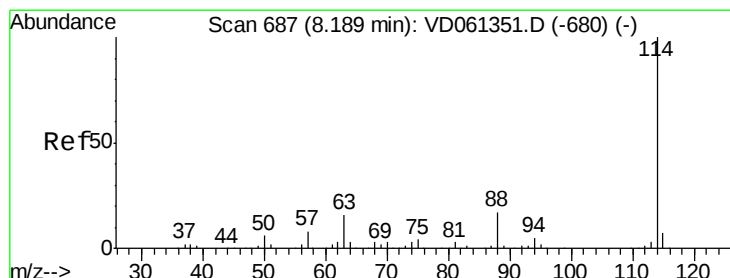
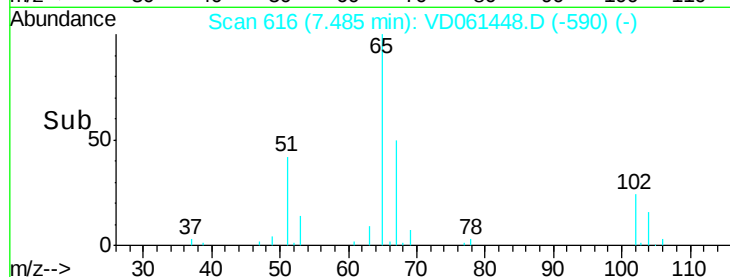
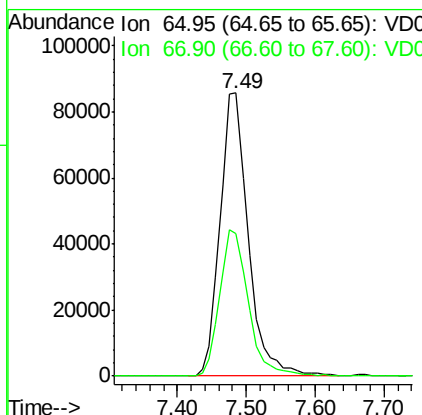
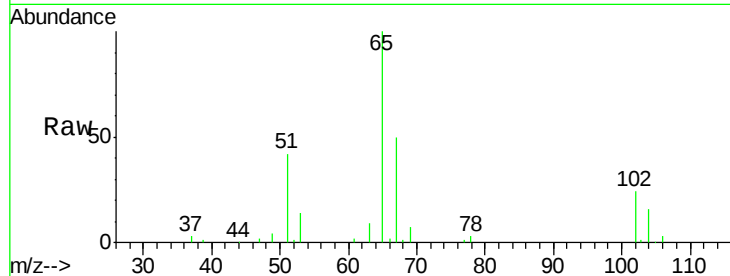




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.49 min Scan# 616
 Delta R.T. 0.05 min
 Lab File: VD061448.D
 Acq: 31 Mar 2019 15:51

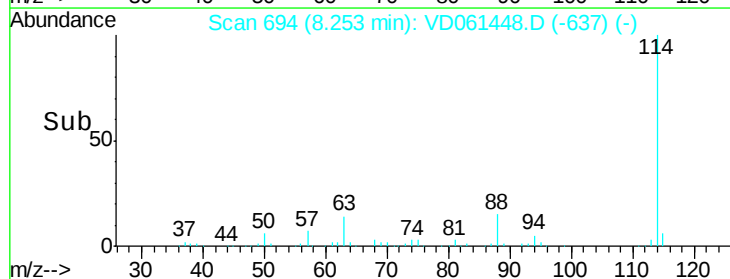
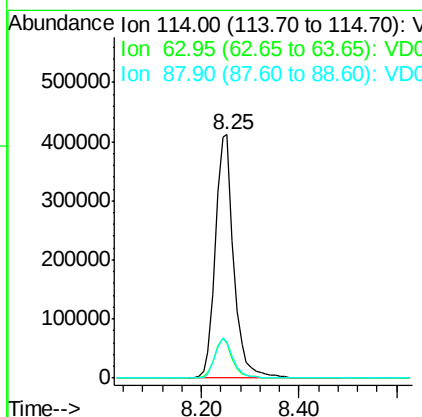
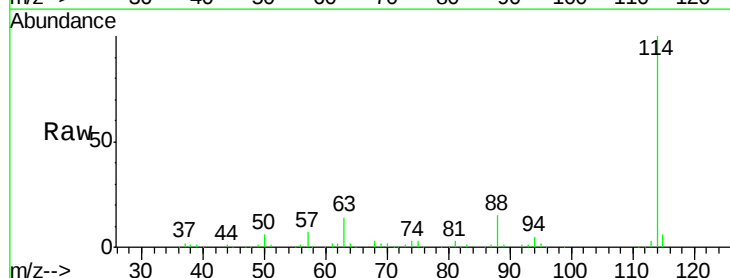
Instrument :
 MSVOA_D
 ClientSampled :

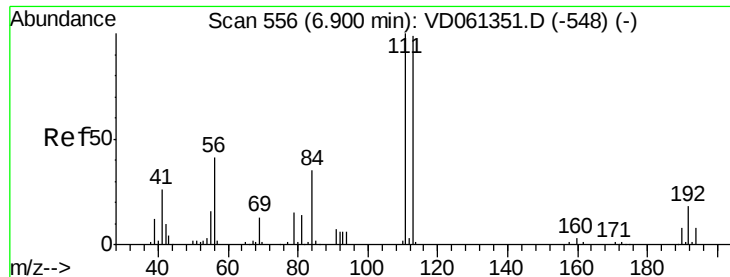
Tot Ion: 65 Resp: 244193
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.25 min Scan# 694
 Delta R.T. 0.06 min
 Lab File: VD061448.D
 Acq: 31 Mar 2019 15:51

Tgt Ion: 114 Resp: 1086274
 Ion Ratio Lower Upper
 114 100
 63 14.3 0.0 31.6
 88 15.0 0.0 33.4

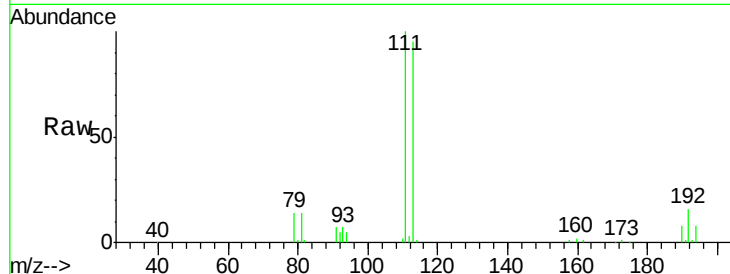




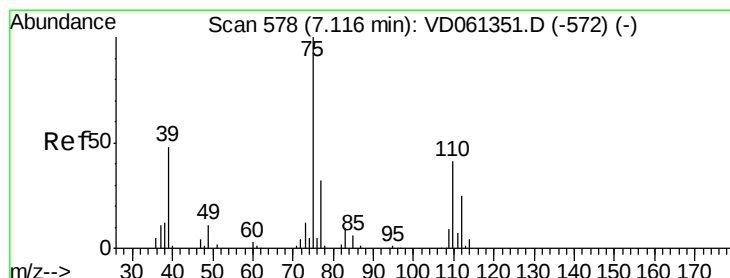
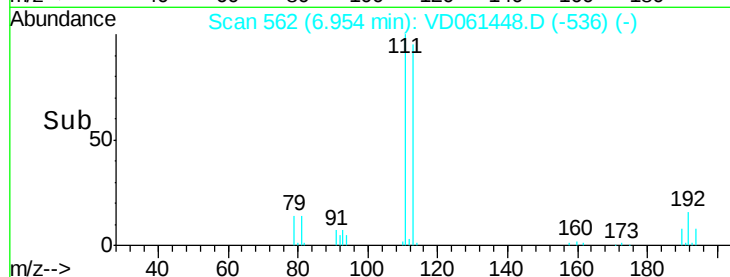
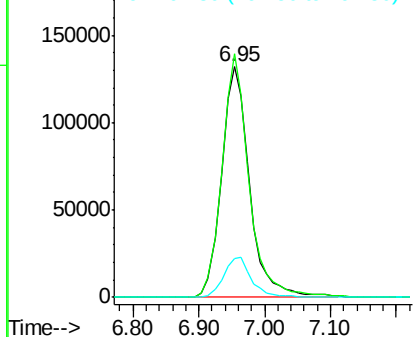
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.95 min Scan# 562
Delta R.T. 0.05 min
Lab File: VD061448.D
Acq: 31 Mar 2019 15:51

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:113 Resp: 392145
Ion Ratio Lower Upper
113 100
111 105.6 81.0 121.6
192 16.8 14.4 21.6

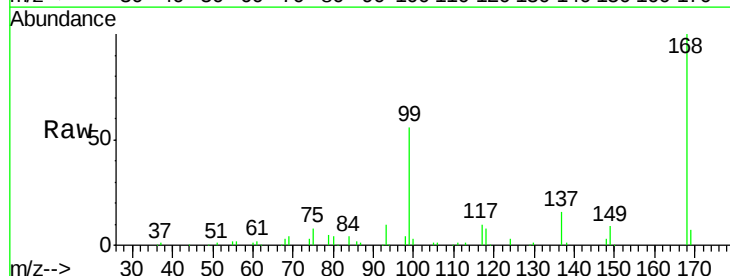


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

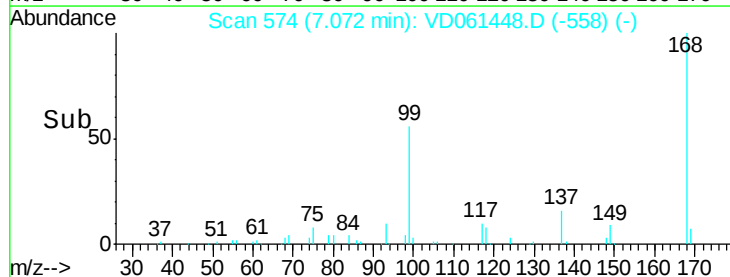
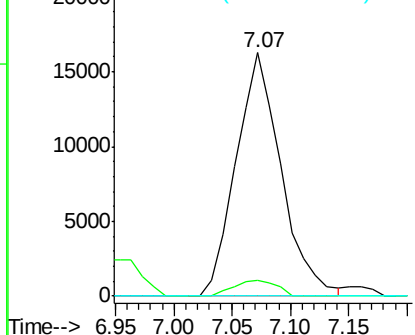


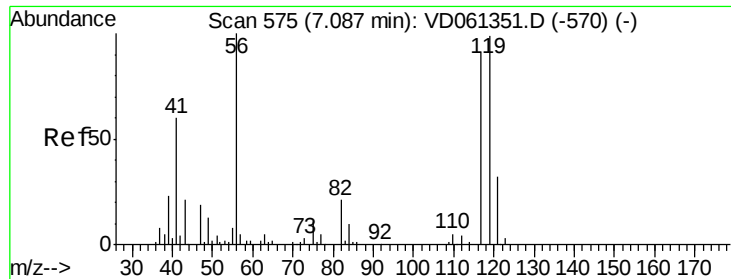
#36
1,1-Dichloropropene
Concen: 4.588 ug/l
RT: 7.07 min Scan# 574
Delta R.T. -0.04 min
Lab File: VD061448.D
Acq: 31 Mar 2019 15:51

Tgt Ion: 75 Resp: 43501
Ion Ratio Lower Upper
75 100
110 6.4 20.4 61.3#
77 0.0 24.9 37.3#



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: 5.392 ug/l

RT: 7.07 min Scan# 574

Delta R.T. -0.01 min

Lab File: VD061448.D

Acq: 31 Mar 2019 15:51

Instrument :

MSVOA_D

ClientSampleId :

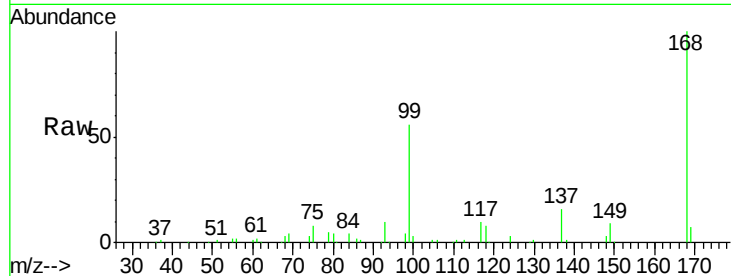
Tot Ion:117 Resp: 58747

Ion Ratio Lower Upper

117 100

119 4.2 80.1 120.1#

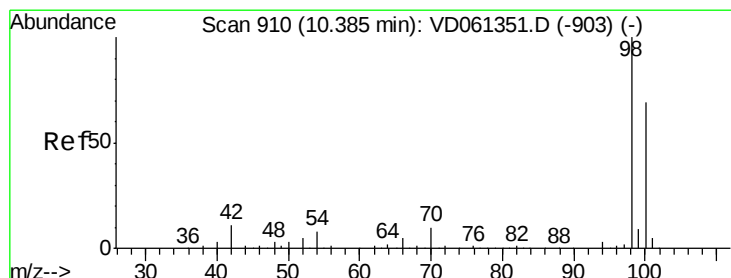
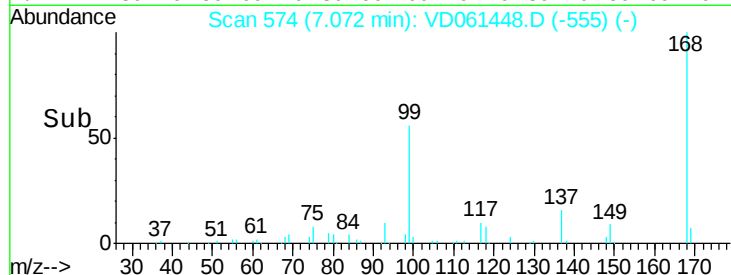
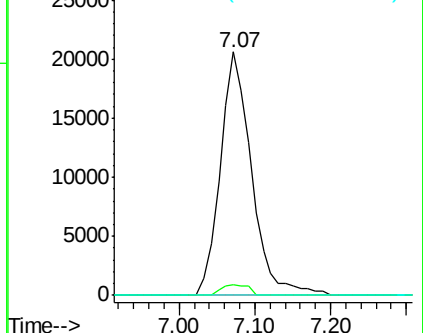
121 0.0 25.6 38.4#



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: 10.44 min Scan# 916

Delta R.T. 0.05 min

Lab File: VD061448.D

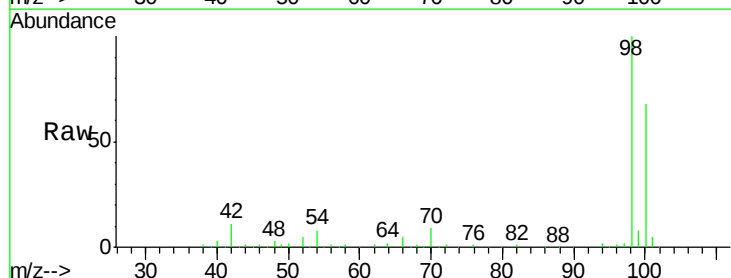
Acq: 31 Mar 2019 15:51

Tgt Ion: 98 Resp: 840507

Ion Ratio Lower Upper

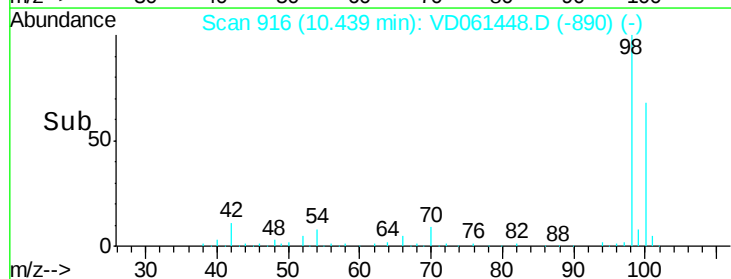
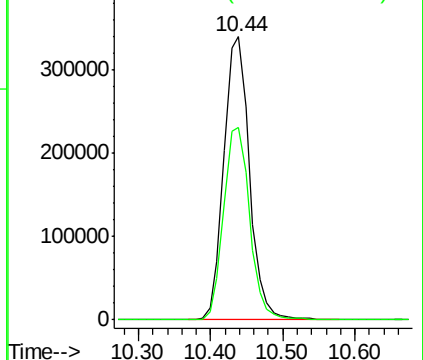
98 100

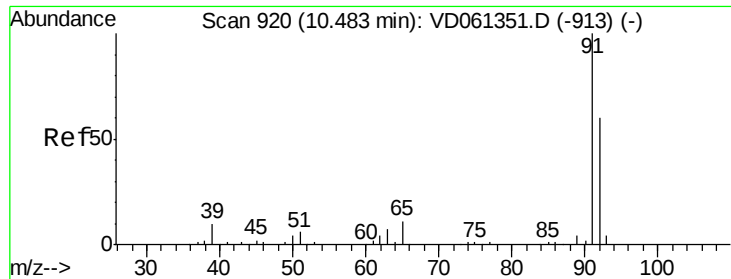
100 68.1 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 5.015 ug/l

RT: 10.54 min Scan# 926

Delta R.T. 0.05 min

Lab File: VD061448.D

Acq: 31 Mar 2019 15:51

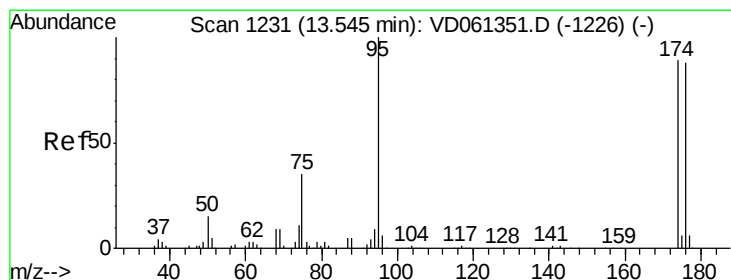
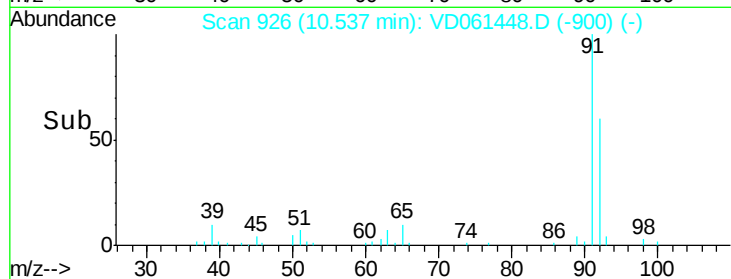
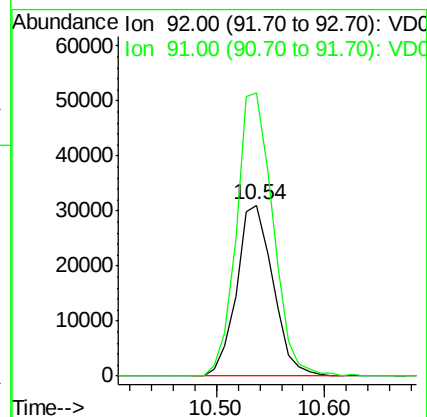
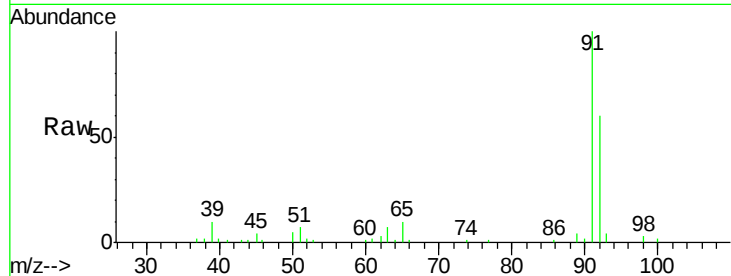
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 92 Resp: 72792

Ion Ratio Lower Upper

92 100

91 165.6 133.3 199.9



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD061448.D

Acq: 31 Mar 2019 15:51

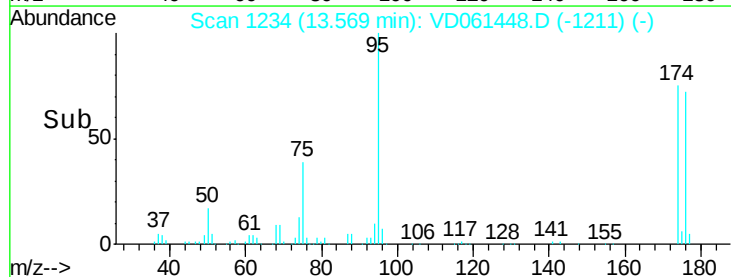
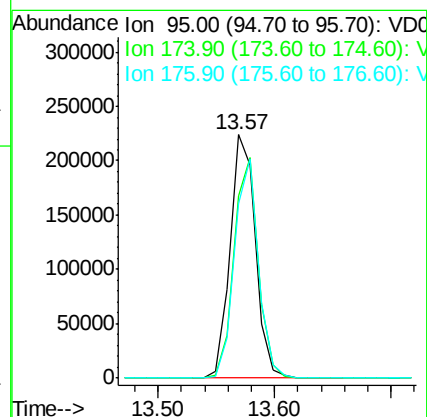
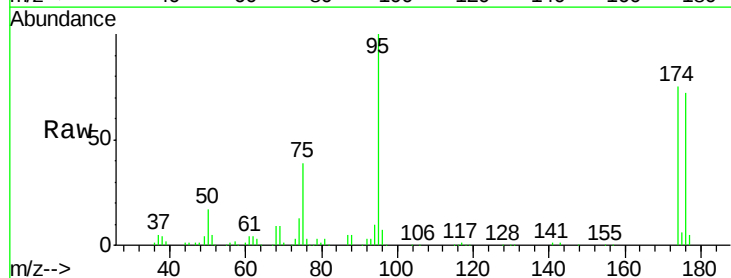
Tgt Ion: 95 Resp: 336570

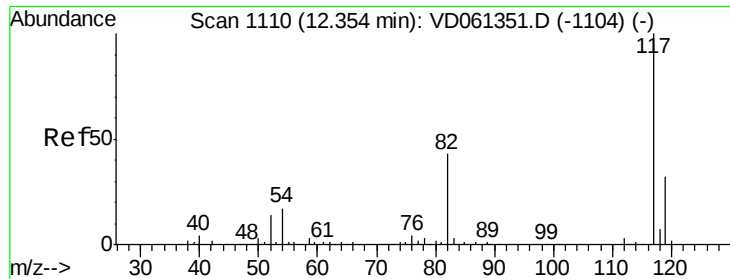
Ion Ratio Lower Upper

95 100

174 75.1 0.0 178.0

176 71.5 0.0 175.0

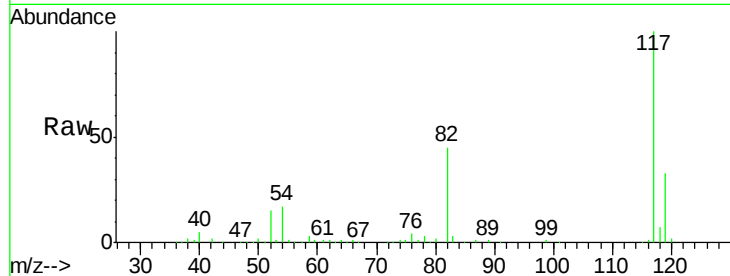




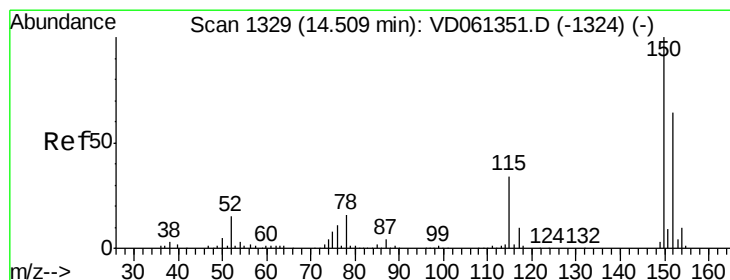
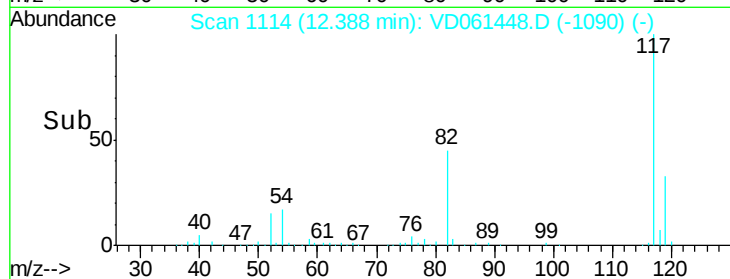
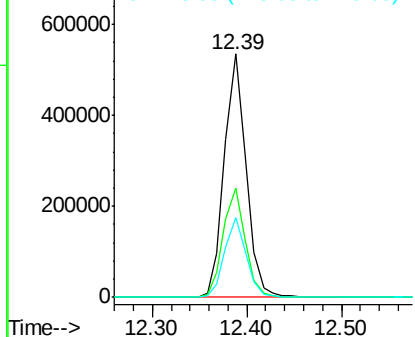
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.03 min
Lab File: VD061448.D
Acq: 31 Mar 2019 15:51

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 858069
Ion Ratio Lower Upper
117 100
82 44.9 34.4 51.6
119 32.6 25.8 38.6

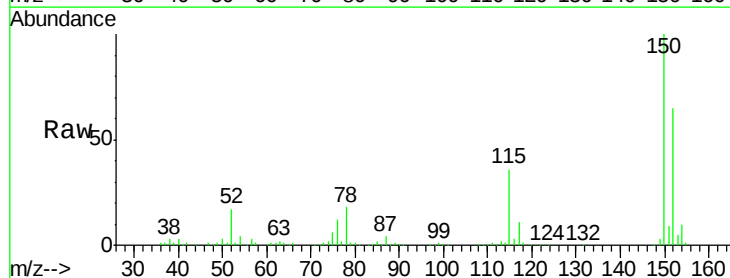


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

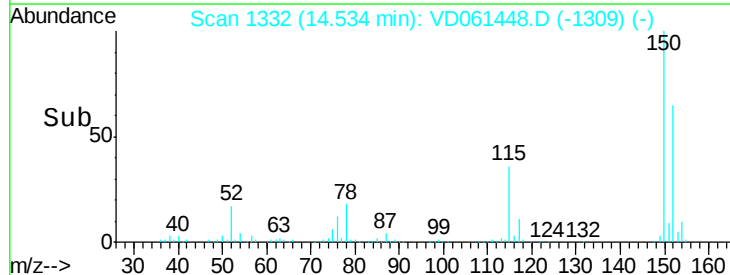
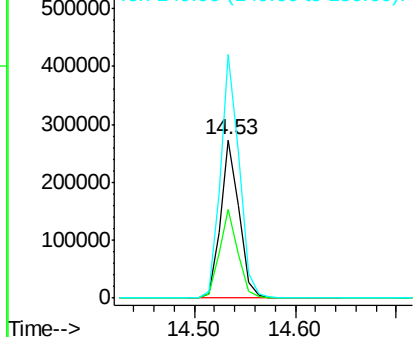


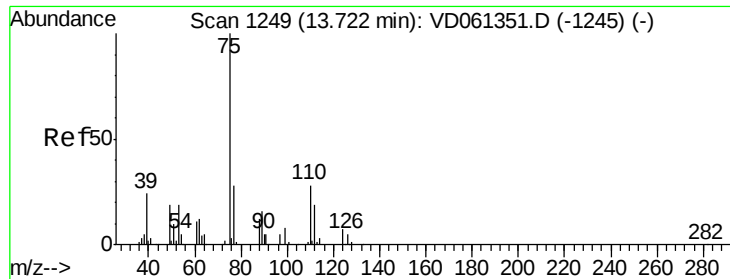
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1332
Delta R.T. 0.02 min
Lab File: VD061448.D
Acq: 31 Mar 2019 15:51

Tgt Ion:152 Resp: 348127
Ion Ratio Lower Upper
152 100
115 55.7 26.9 80.6
150 153.9 0.0 318.0



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

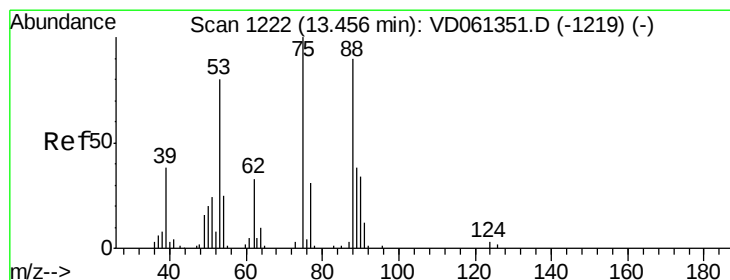
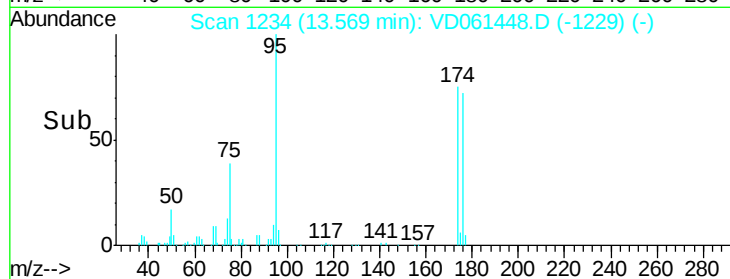
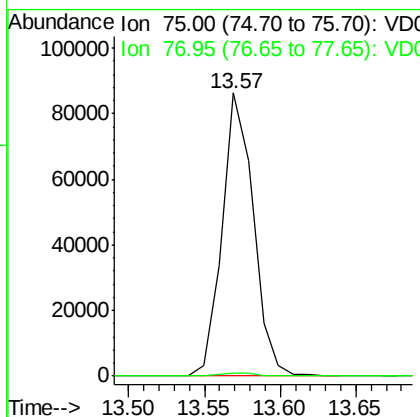
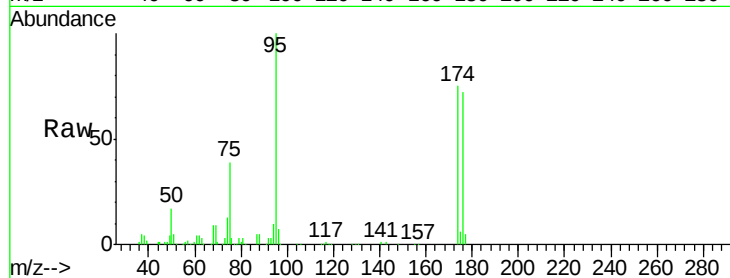




#76
 1,2,3-Trichloropropane
 Concen: 24.560 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. -0.15 min
 Lab File: VD061448.D
 Acq: 31 Mar 2019 15:51

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 75 Resp: 123507
 Ion Ratio Lower Upper
 75 100
 77 1.3 16.2 48.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.546 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. 0.11 min
 Lab File: VD061448.D
 Acq: 31 Mar 2019 15:51

Tgt Ion: 75 Resp: 123500
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.8 95.8#
 89 0.0 30.5 45.7#

