

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040819\
 Data File : VD061658.D
 Acq On : 8 Apr 2019 18:43
 Operator : VA/AP
 Sample : K2258-02
 Misc : 5.08g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 09 01:22:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	331017	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.23	114	551935	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	348209	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	135627	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	173785	69.26	ug/l	0.02
Spiked Amount			Recovery	=	138.52%	
35) Dibromofluoromethane	6.95	113	256896	67.19	ug/l	0.03
Spiked Amount			Recovery	=	134.38%	
50) Toluene-d8	10.42	98	422081	43.94	ug/l	0.02
Spiked Amount			Recovery	=	87.88%	
62) 4-Bromofluorobenzene	13.56	95	148140	42.51	ug/l	0.00
Spiked Amount			Recovery	=	85.02%	

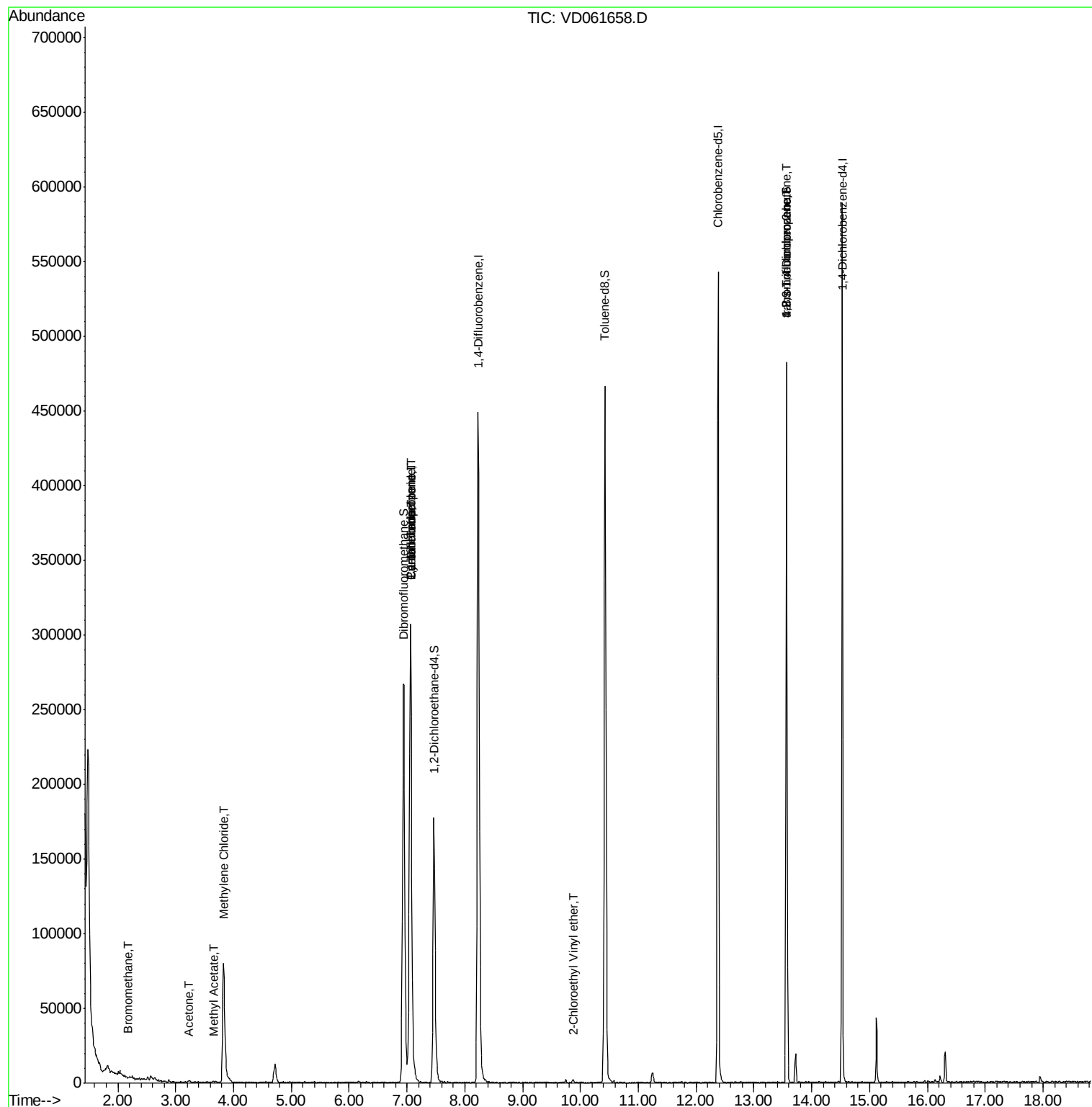
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.17	94	655	1.049	ug/l #	12
16) Acetone	3.24	43	2209	2.945	ug/l #	51
18) Methyl Acetate	3.66	43	1572	1.114	ug/l #	53
20) Methylene Chloride	3.83	84	58078	13.646	ug/l	97
31) Cyclohexane	7.07	56	5136	1.087	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	22929	4.747	ug/l #	45
38) Carbon Tetrachloride	7.05	117	31012	5.478	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.87	63	1502	1.229	ug/l #	46
76) 1,2,3-Trichloropropane	13.56	75	43116	23.366	ug/l #	46
81) trans-1,4-Dichloro-2-buten	13.56	75	56703	101.267	ug/l #	20

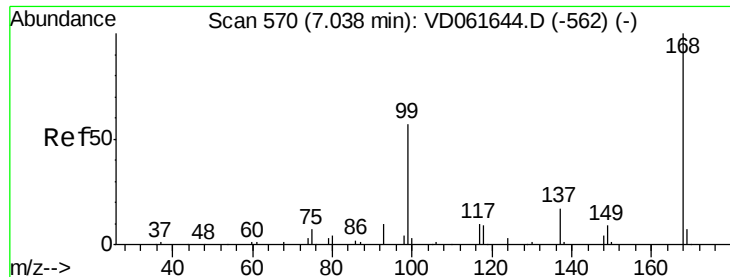
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040819\
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Quant Time: Apr 09 01:22:17 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
Quant Title : SW846 8260
QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.03 min

Lab File: VD061658.D

Acq: 8 Apr 2019 18:43

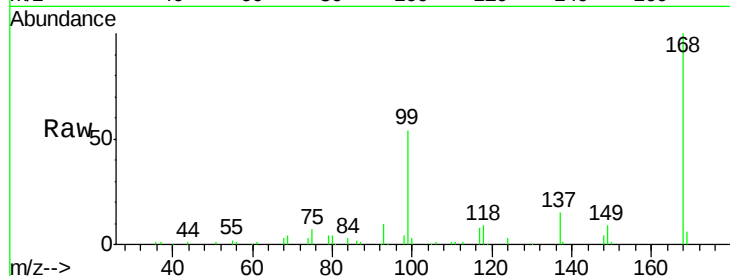
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 331017

Ion Ratio Lower Upper

168 100

99 54.5 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

120000

100000

80000

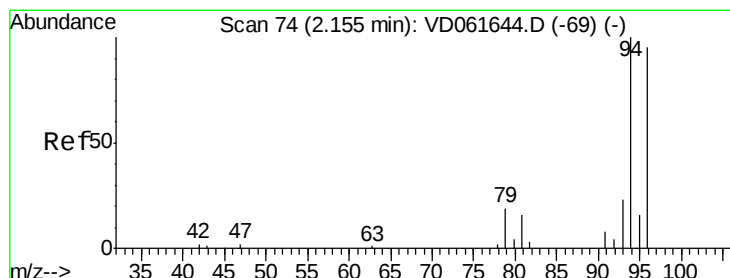
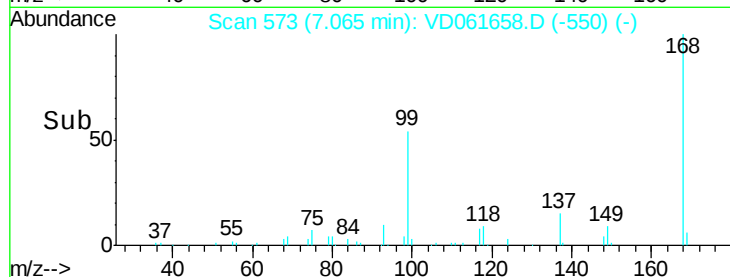
60000

40000

20000

0

Time--> 6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 1.049 ug/l

RT: 2.17 min Scan# 76

Delta R.T. 0.02 min

Lab File: VD061658.D

Acq: 8 Apr 2019 18:43

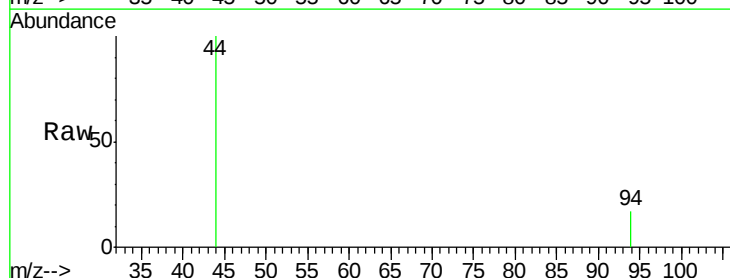
Tgt Ion: 94 Resp: 655

Ion Ratio Lower Upper

94 100

96 0.0 75.8 113.8#

93 0.0 18.6 28.0#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

600

500

400

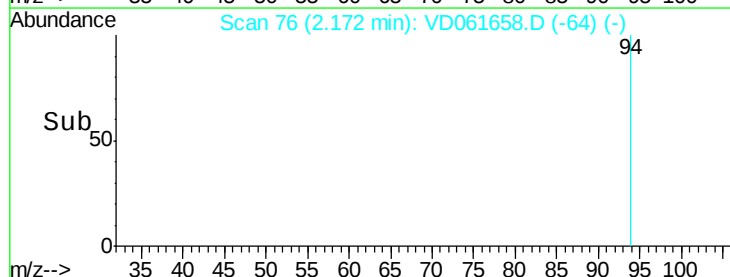
300

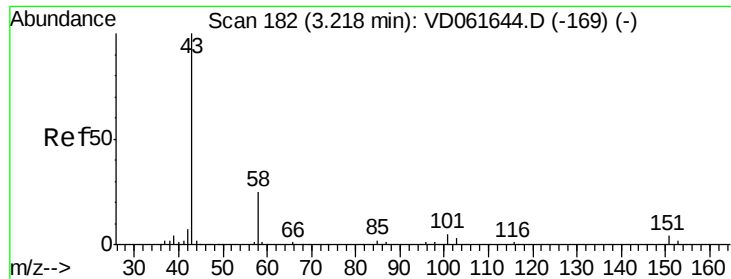
200

100

0

Time--> 2.14 2.16 2.18 2.20

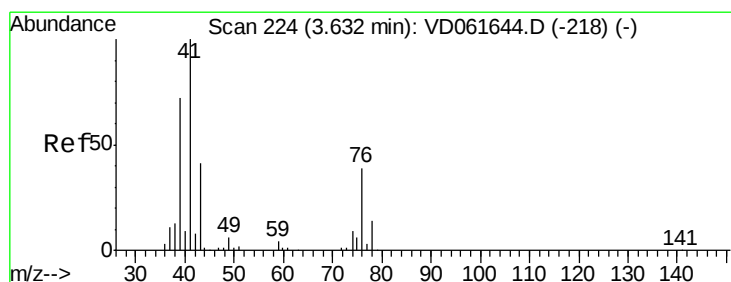
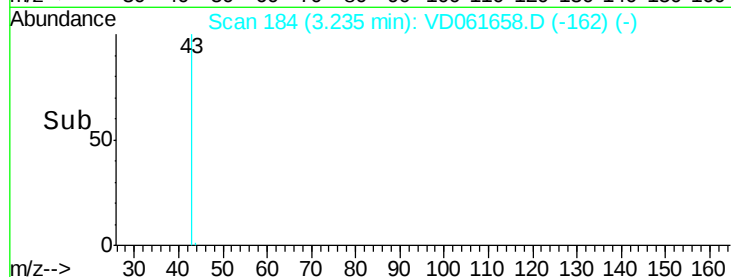
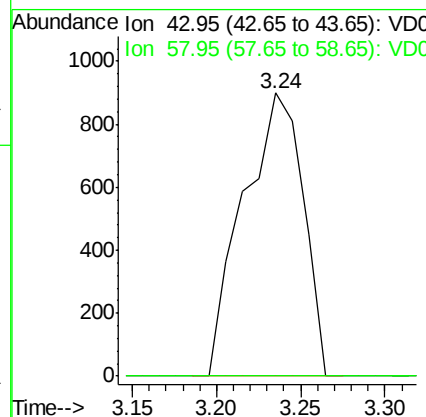
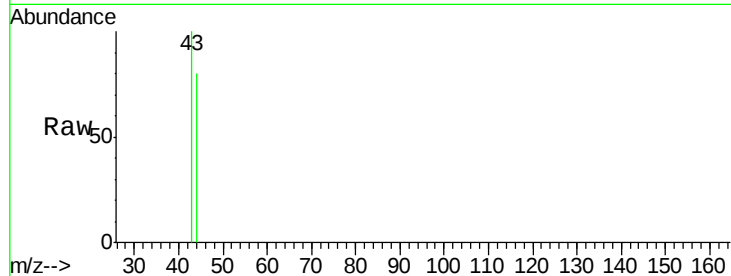




#16
Acetone
Concen: 2.945 ug/l
RT: 3.24 min Scan# 184
Delta R.T. 0.02 min
Lab File: VD061658.D
Acq: 8 Apr 2019 18:43

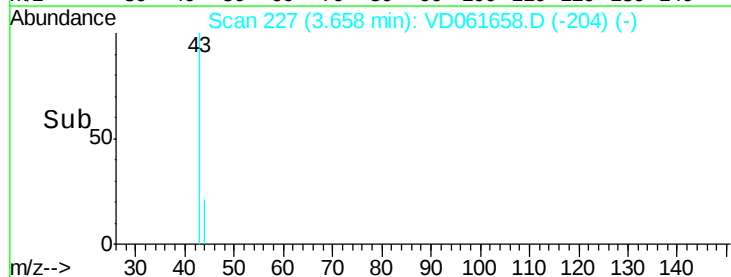
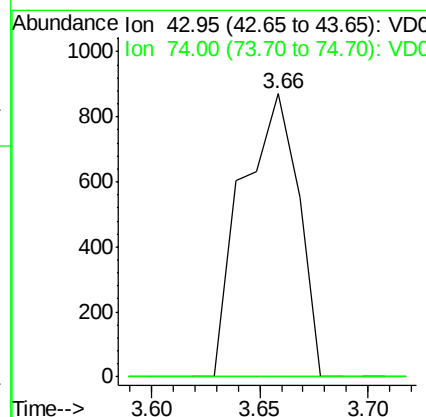
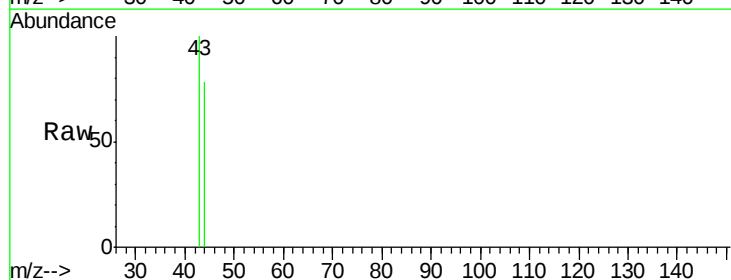
Instrument :
MSVOA_D
ClientSampleId :

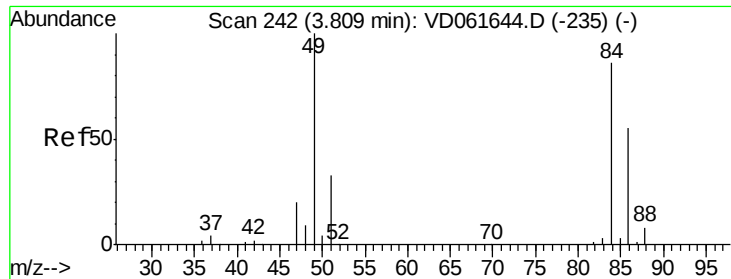
Tot Ion: 43 Resp: 2209
Ion Ratio Lower Upper
43 100
58 0.0 19.7 29.5#



#18
Methyl Acetate
Concen: 1.114 ug/l
RT: 3.66 min Scan# 227
Delta R.T. 0.03 min
Lab File: VD061658.D
Acq: 8 Apr 2019 18:43

Tgt Ion: 43 Resp: 1572
Ion Ratio Lower Upper
43 100
74 0.0 18.2 27.2#

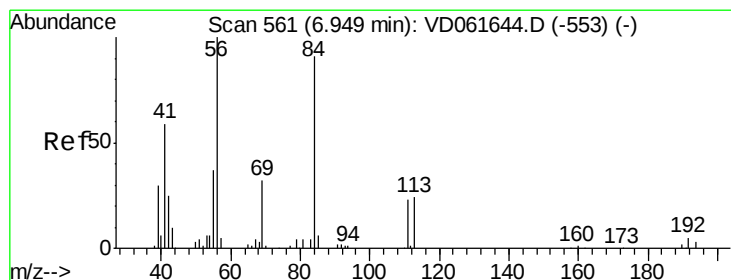
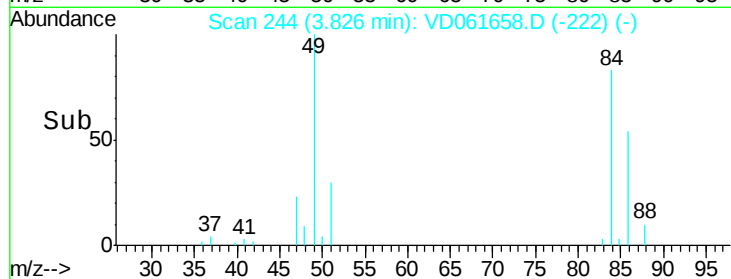
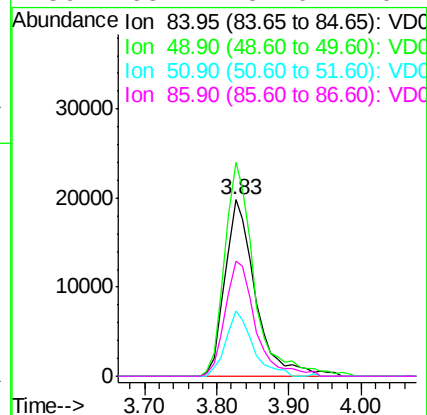
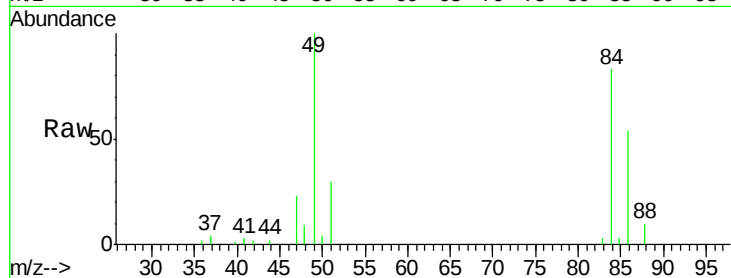




#20
Methylene Chloride
Concen: 13.646 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.02 min
Lab File: VD061658.D
Acq: 8 Apr 2019 18:43

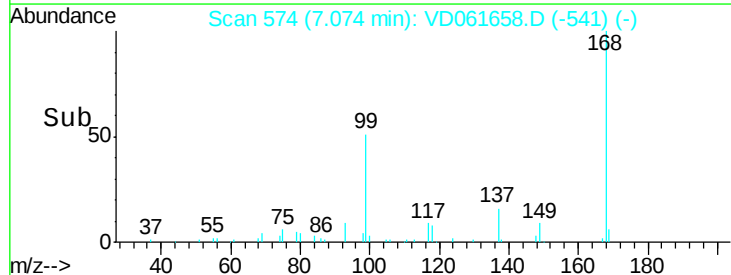
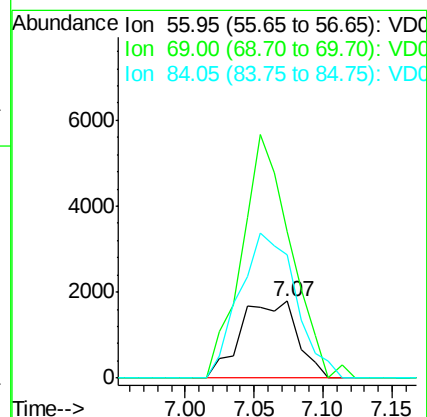
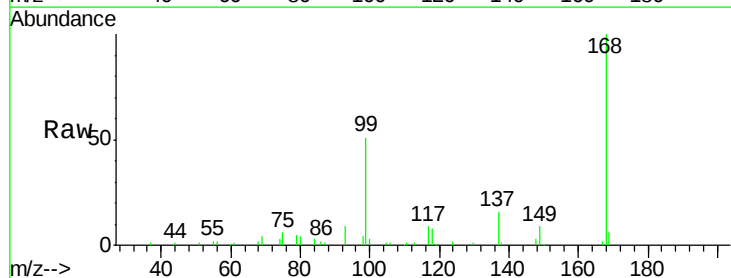
Instrument :
MSVOA_D
ClientSampleId :

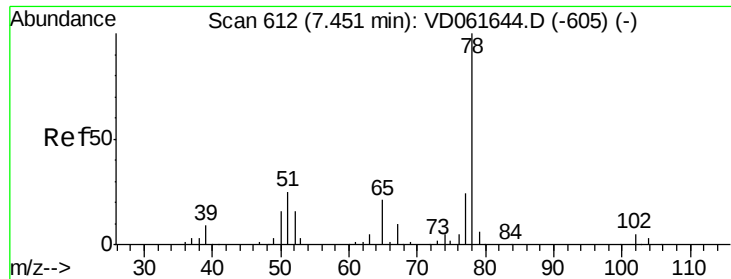
Tot Ion: 84 Resp: 58078
Ion Ratio Lower Upper
84 100
49 121.2 93.0 139.4
51 36.8 30.4 45.6
86 65.4 51.0 76.4



#31
Cyclohexane
Concen: 1.087 ug/l
RT: 7.07 min Scan# 574
Delta R.T. 0.13 min
Lab File: VD061658.D
Acq: 8 Apr 2019 18:43

Tgt Ion: 56 Resp: 5136
Ion Ratio Lower Upper
56 100
69 189.6 25.8 38.6#
84 160.6 74.2 111.2#

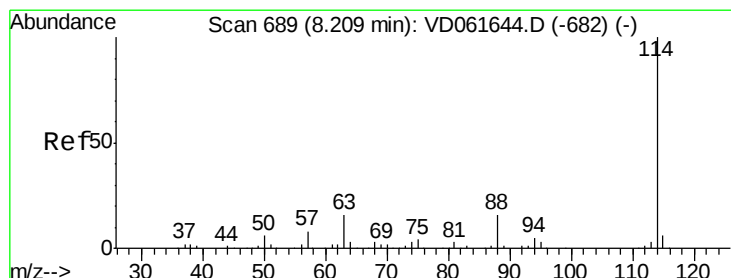
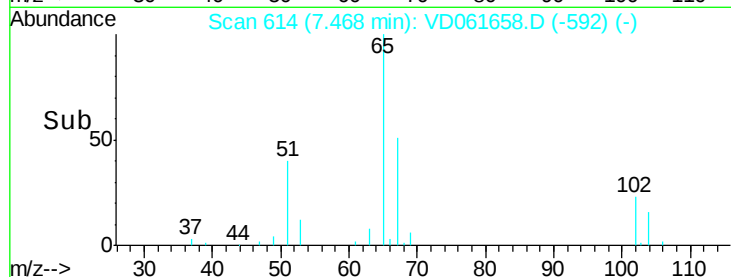
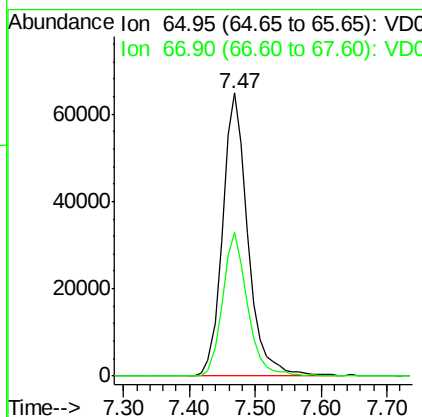
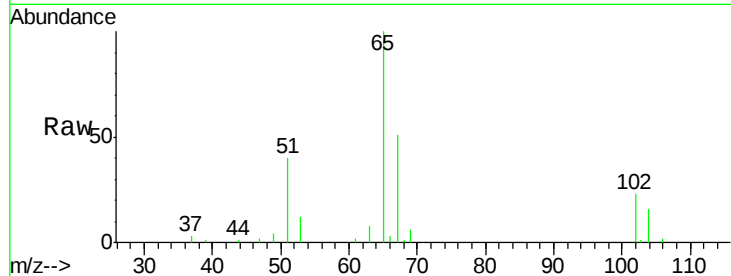




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.02 min
 Lab File: VD061658.D
 Acq: 8 Apr 2019 18:43

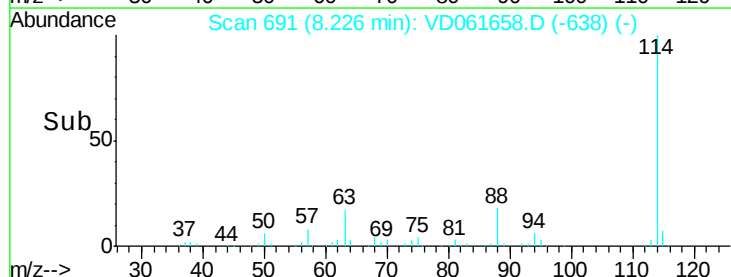
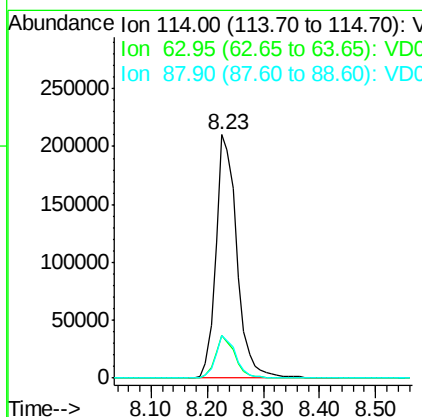
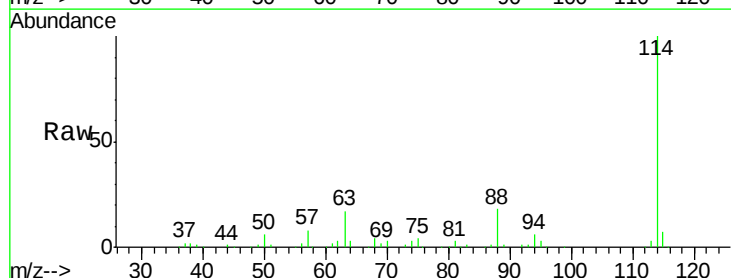
Instrument :
 MSVOA_D
 ClientSampleId :

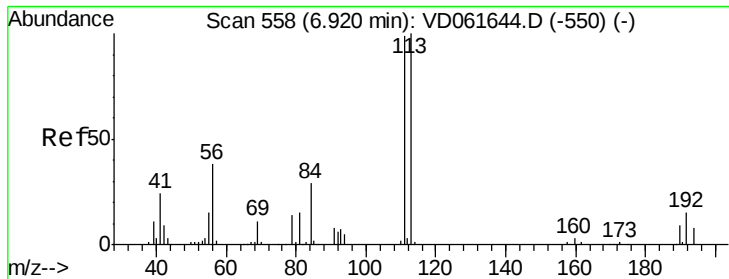
Tot Ion: 65 Resp: 173785
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.02 min
 Lab File: VD061658.D
 Acq: 8 Apr 2019 18:43

Tgt Ion: 114 Resp: 551935
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 31.2
 88 17.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.03 min

Lab File: VD061658.D

Acq: 8 Apr 2019 18:43

Instrument :

MSVOA_D

ClientSampleId :

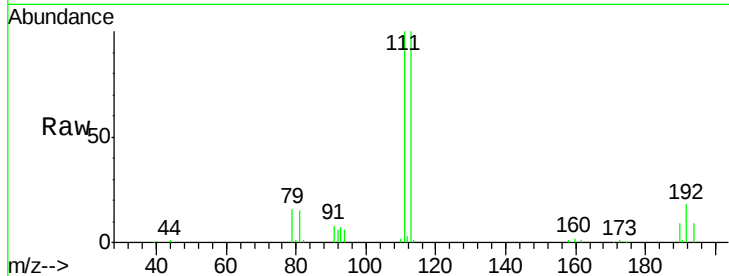
Tot Ion:113 Resp: 256896

Ion Ratio Lower Upper

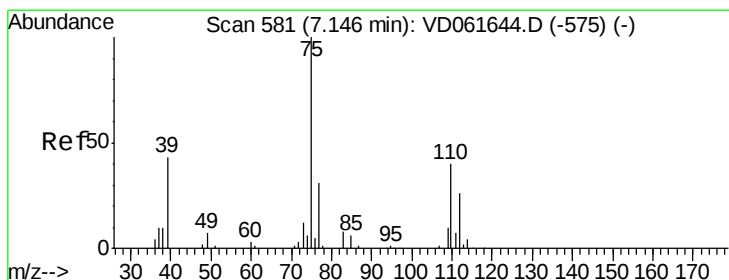
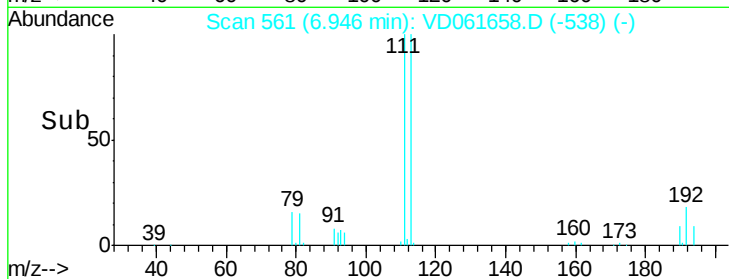
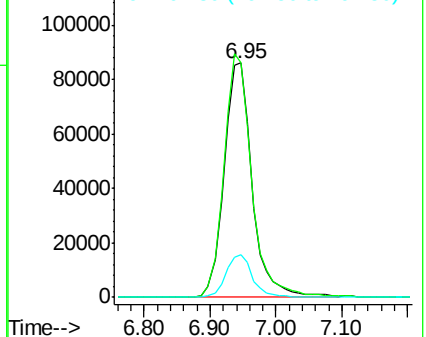
113 100

111 100.1 79.3 118.9

192 18.1 12.3 18.5



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: 4.747 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.09 min

Lab File: VD061658.D

Acq: 8 Apr 2019 18:43

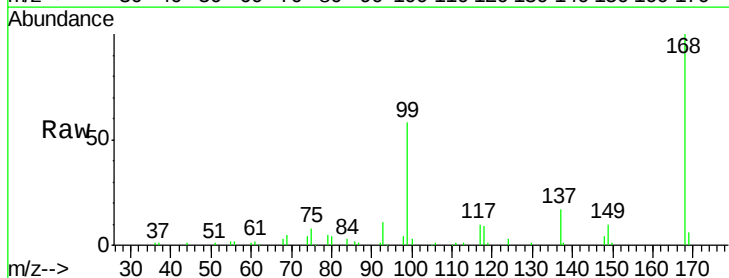
Tgt Ion: 75 Resp: 22929

Ion Ratio Lower Upper

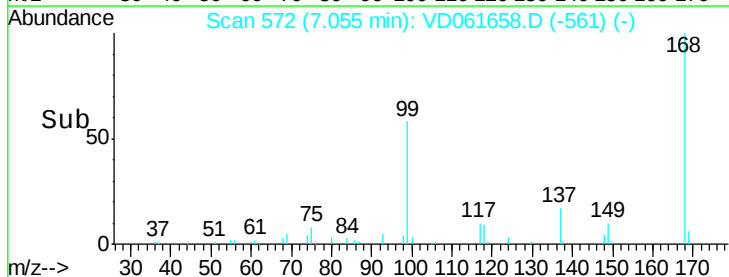
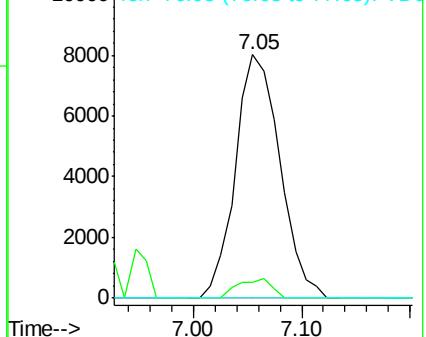
75 100

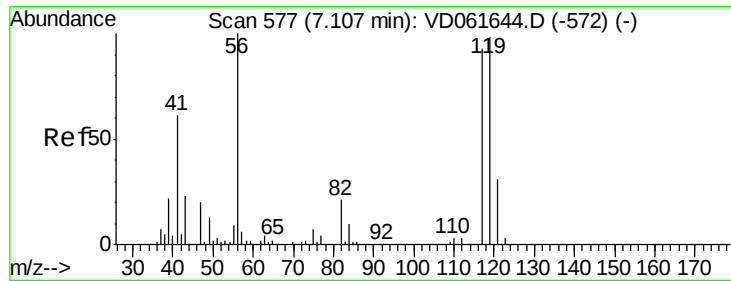
110 6.4 19.7 59.0#

77 0.0 24.8 37.2#



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

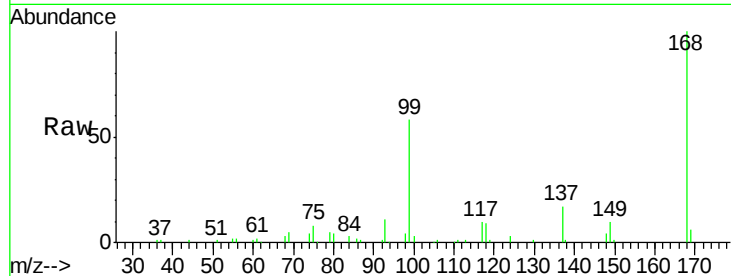




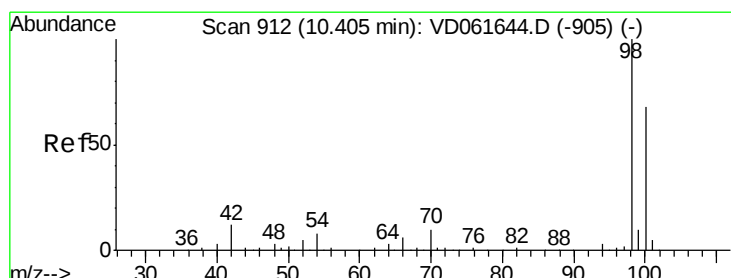
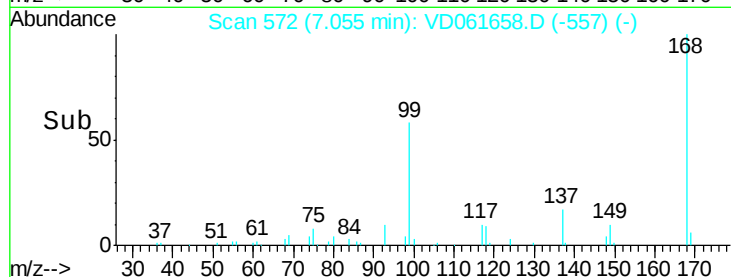
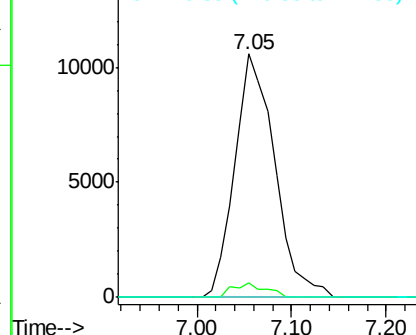
#38
Carbon Tetrachloride
Concen: 5.478 ug/l
RT: 7.05 min Scan# 572
Delta R.T. -0.05 min
Lab File: VD061658.D
Acq: 8 Apr 2019 18:43

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 31012
Ion Ratio Lower Upper
117 100
119 6.2 77.9 116.9#
121 0.0 24.7 37.1#

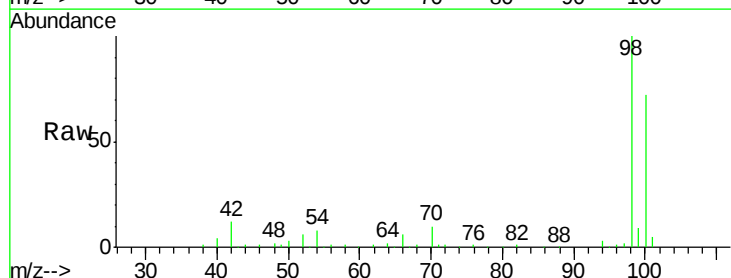


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

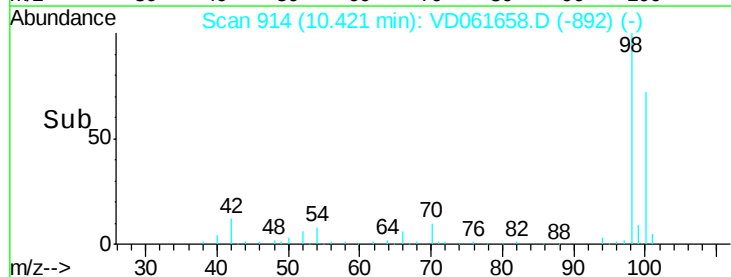
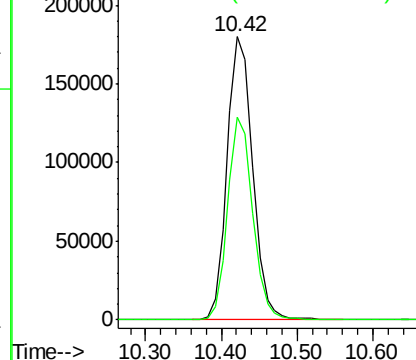


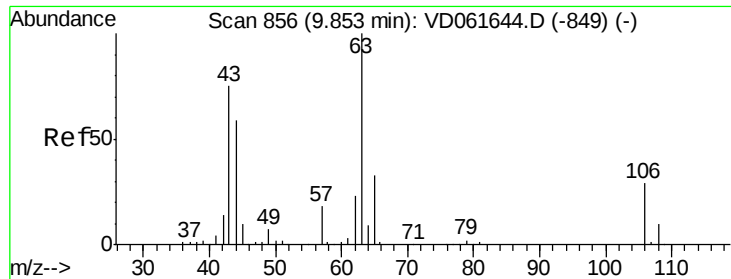
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD061658.D
Acq: 8 Apr 2019 18:43

Tgt Ion: 98 Resp: 422081
Ion Ratio Lower Upper
98 100
100 71.6 55.4 83.0



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

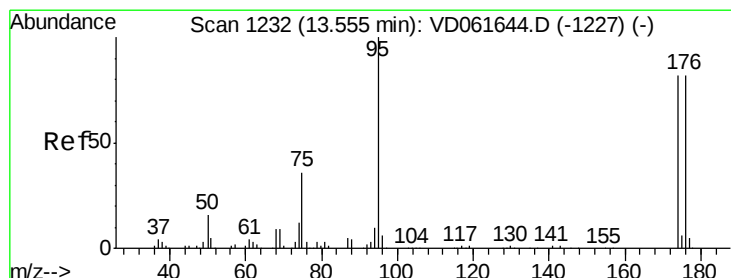
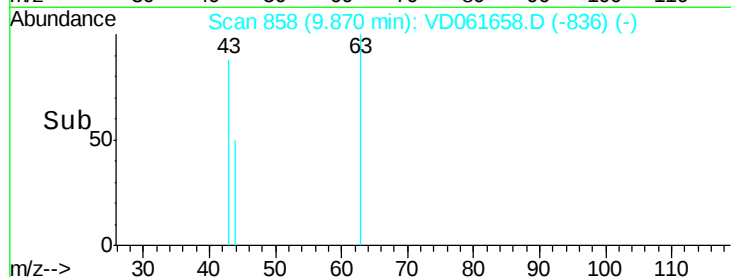
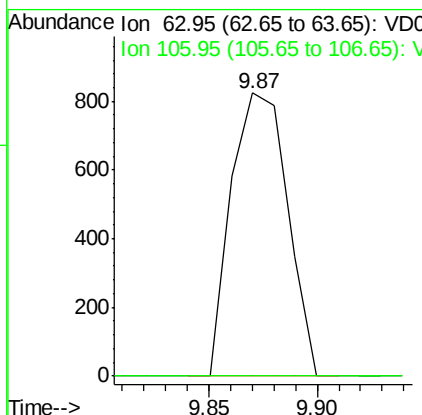
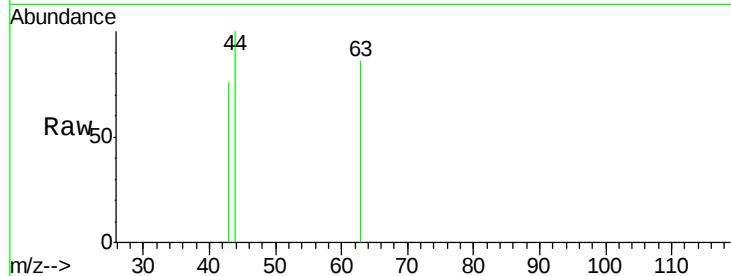




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.229 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. 0.02 min
 Lab File: VD061658.D
 Acq: 8 Apr 2019 18:43

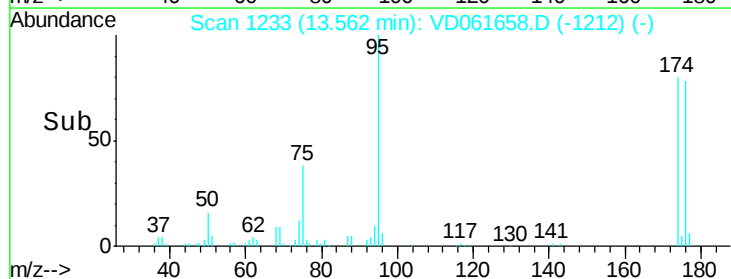
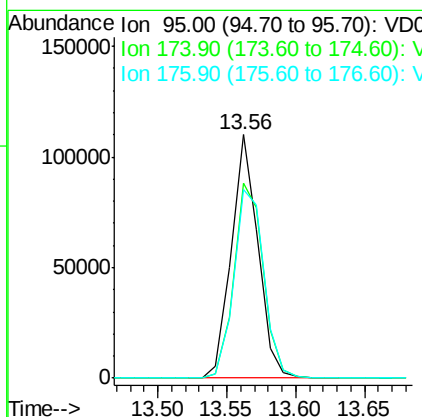
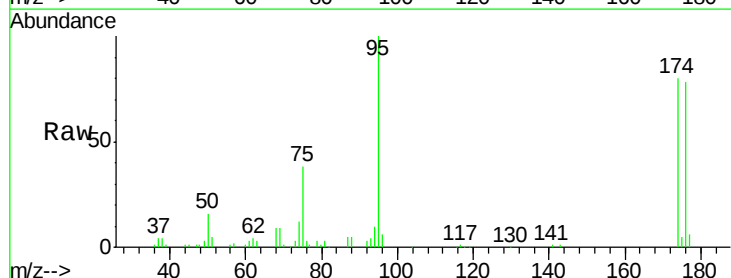
Instrument :
 MSVOA_D
 ClientSampleId :

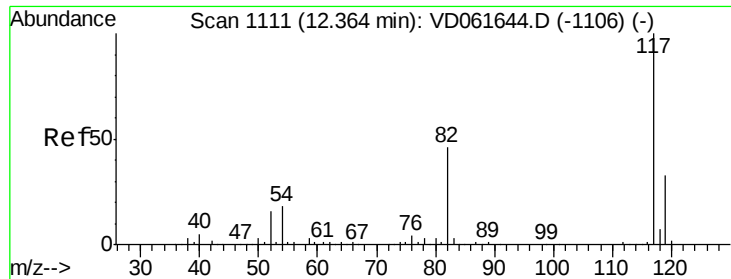
Tot Ion: 63 Resp: 1502
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.0 34.6#



#62
 4-Bromofluorobenzene
 Concen: N.D. ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD061658.D
 Acq: 8 Apr 2019 18:43

Tgt Ion: 95 Resp: 148140
 Ion Ratio Lower Upper
 95 100
 174 80.2 0.0 164.6
 176 77.6 0.0 165.0

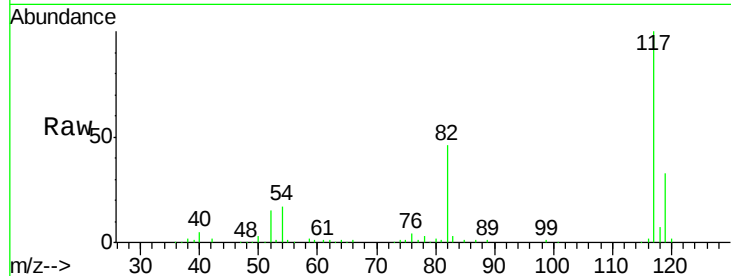




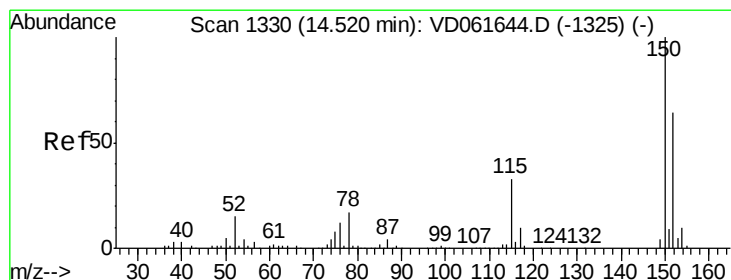
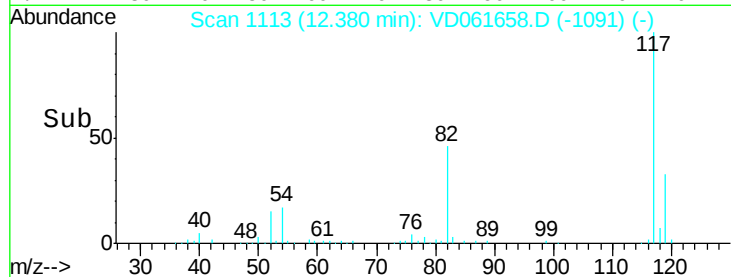
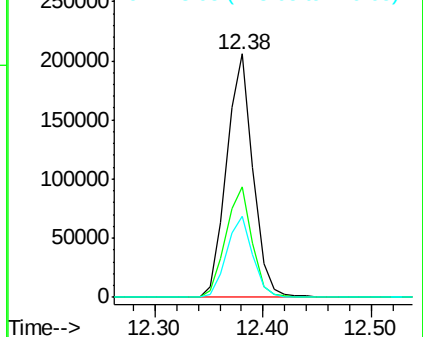
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061658.D
Acq: 8 Apr 2019 18:43

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 348209
Ion Ratio Lower Upper
117 100
82 45.6 36.8 55.2
119 33.0 26.1 39.1

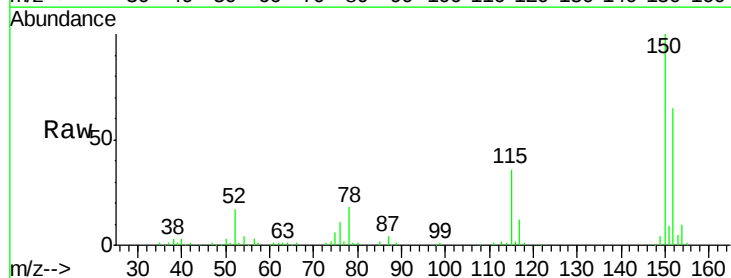


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

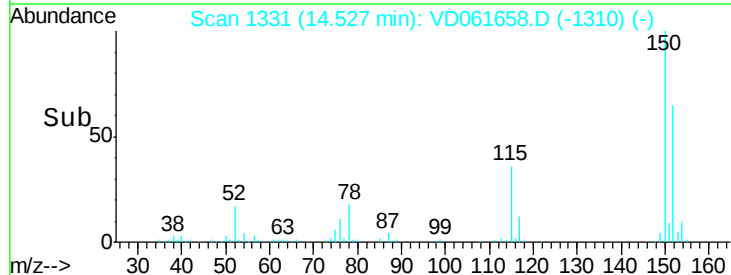
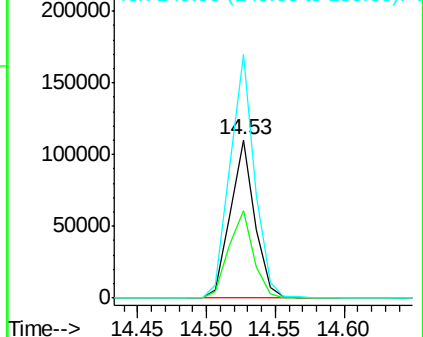


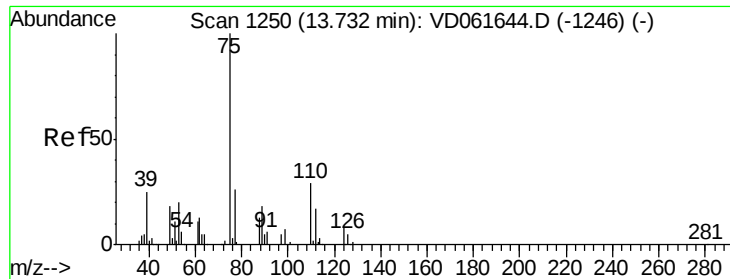
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061658.D
Acq: 8 Apr 2019 18:43

Tgt Ion:152 Resp: 135627
Ion Ratio Lower Upper
152 100
115 55.1 26.4 79.2
150 154.0 0.0 320.6



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

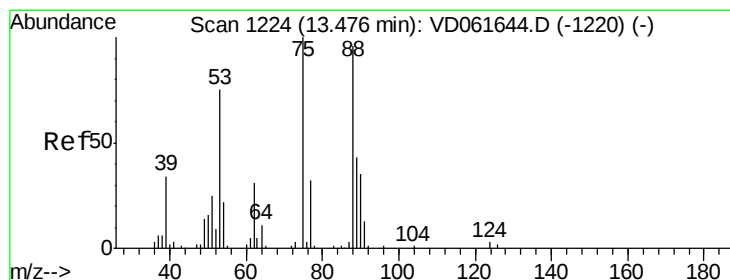
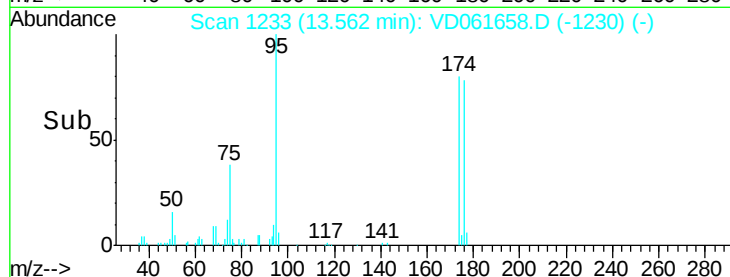
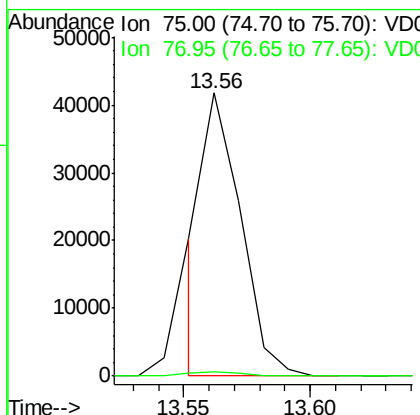
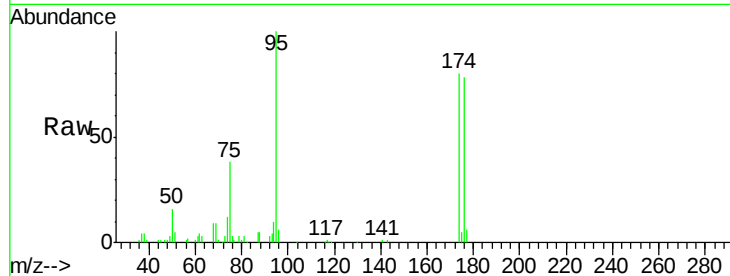




#76
 1,2,3-Trichloropropane
 Concen: 23.366 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.17 min
 Lab File: VD061658.D
 Acq: 8 Apr 2019 18:43

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 75 Resp: 43116
 Ion Ratio Lower Upper
 75 100
 77 1.3 15.7 47.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 101.267 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.09 min
 Lab File: VD061658.D
 Acq: 8 Apr 2019 18:43

Tgt Ion: 75 Resp: 56703
 Ion Ratio Lower Upper
 75 100
 53 0.0 60.2 90.2#
 89 0.0 34.2 51.2#

