

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD033119\
 Data File : VD061449.D
 Acq On : 31 Mar 2019 16:18
 Operator : VA/AP
 Sample : K2153-21
 Misc : 4.27g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 01 01:54:35 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	534807	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.24	114	897546	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.38	117	652220	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	197136	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	197081	43.14	ug/l	0.04
Spiked Amount			Recovery	=	86.28%	
35) Dibromofluoromethane	6.95	113	315689	46.03	ug/l	0.05
Spiked Amount			Recovery	=	92.06%	
50) Toluene-d8	10.43	98	707454	43.00	ug/l	0.05
Spiked Amount			Recovery	=	86.00%	
62) 4-Bromofluorobenzene	13.57	95	209565	33.22	ug/l	0.02
Spiked Amount			Recovery	=	66.44%	

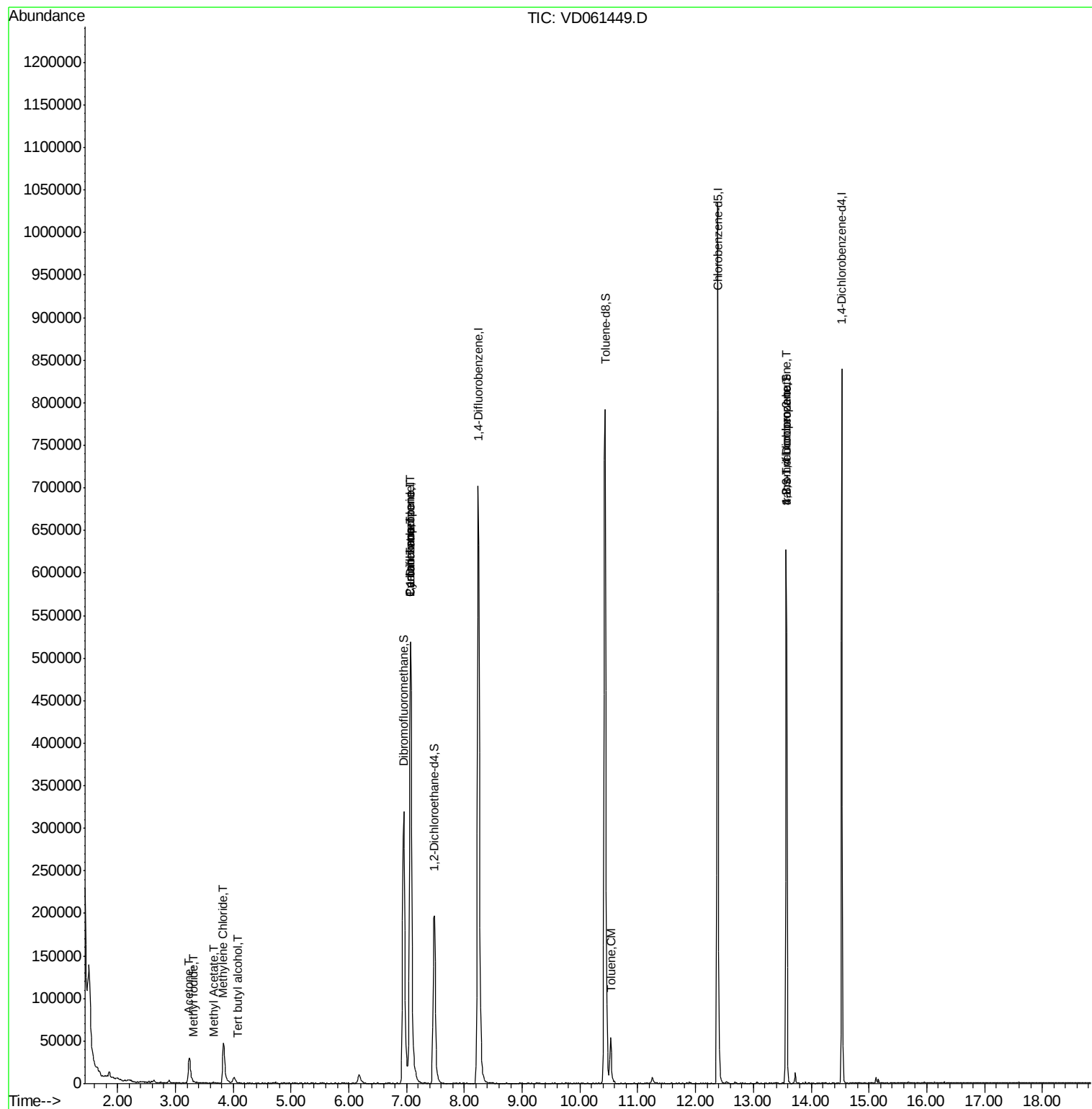
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.33	142	1029	3.560	ug/l #	38
11) Tert butyl alcohol	4.09	59	437	1.536	ug/l #	76
16) Acetone	3.24	43	62754	53.434	ug/l	92
18) Methyl Acetate	3.66	43	2982	1.208	ug/l	100
20) Methylene Chloride	3.84	84	36232	3.730	ug/l	96
31) Cyclohexane	7.07	56	8771	1.115	ug/l #	1
36) 1,1-Dichloropropene	7.07	75	37422	4.777	ug/l #	45
38) Carbon Tetrachloride	7.07	117	50058	5.561	ug/l #	14
52) Toluene	10.53	92	31788	2.650	ug/l	91
76) 1,2,3-Trichloropropane	13.57	75	76753	26.953	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.57	75	78293	90.172	ug/l #	18

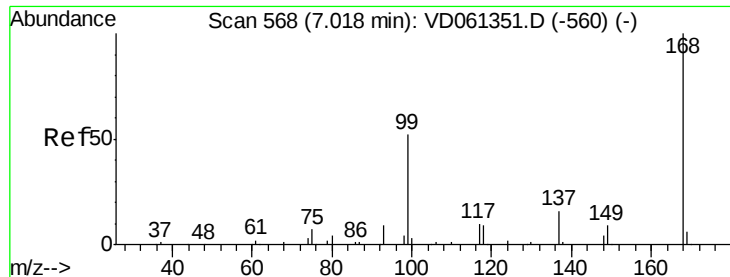
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD033119\
Data File : VD061449.D
Acq On : 31 Mar 2019 16:18
Operator : VA/AP
Sample : K2153-21
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MSVOA_D
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Quant Time: Apr 01 01:54:35 2019
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# 573

Delta R.T. 0.05 min

Lab File: VD061449.D

Acq: 31 Mar 2019 16:18

Instrument :

MSVOA_D

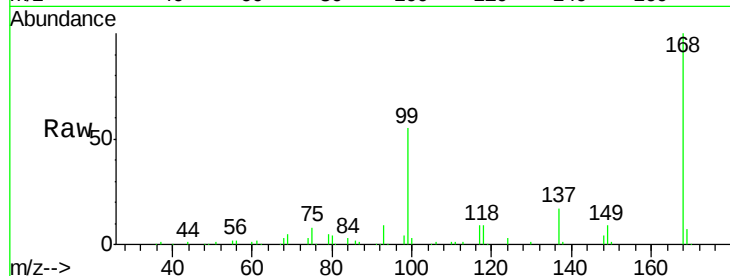
ClientSampleId :

Tot Ion:168 Resp: 534807

Ion Ratio Lower Upper

168 100

99 55.2 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

200000

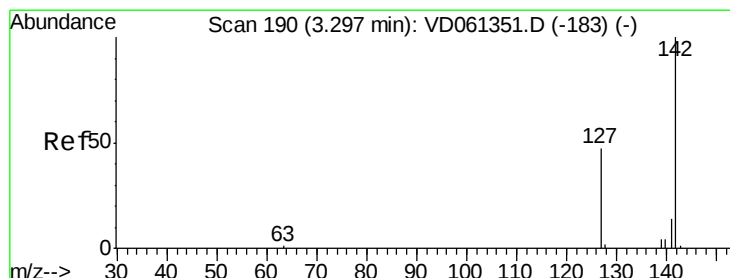
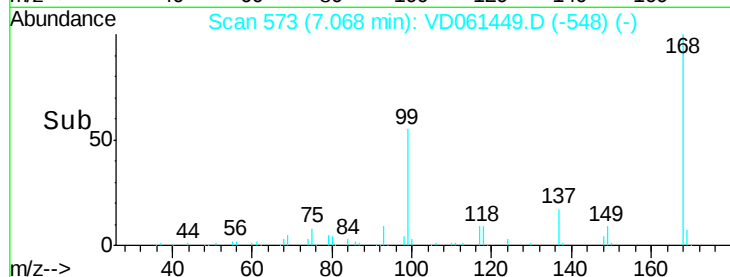
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 3.560 ug/l

RT: 3.33 min Scan# 193

Delta R.T. 0.03 min

Lab File: VD061449.D

Acq: 31 Mar 2019 16:18

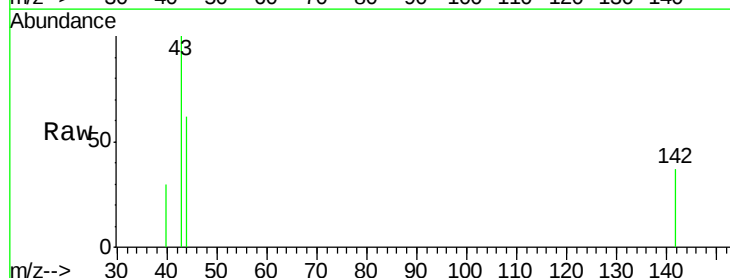
Tgt Ion:142 Resp: 1029

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

3.33

500

400

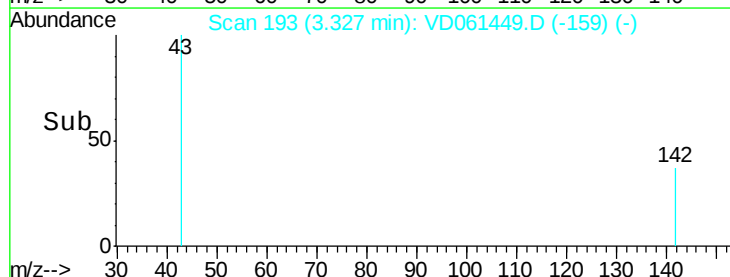
300

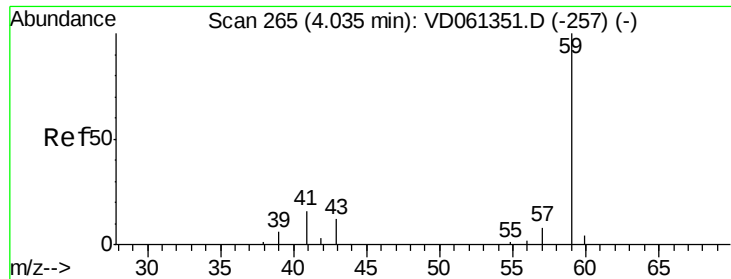
200

100

0

Time-->

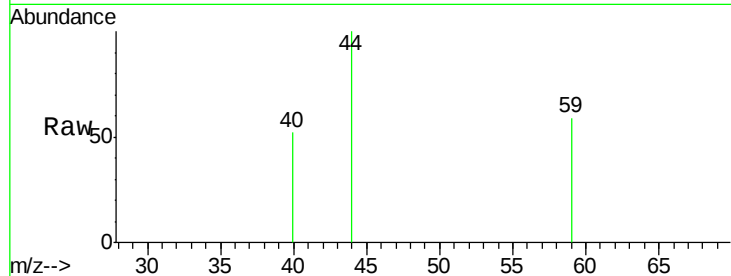




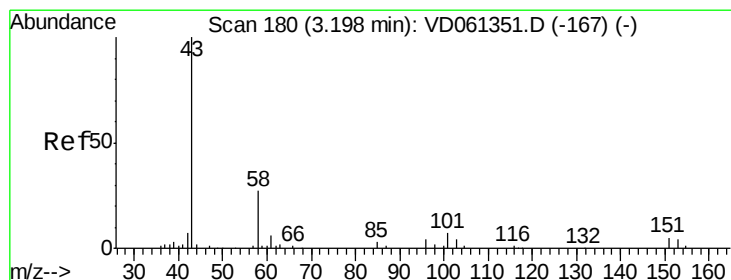
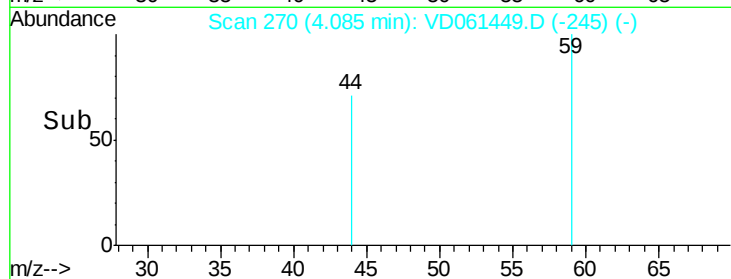
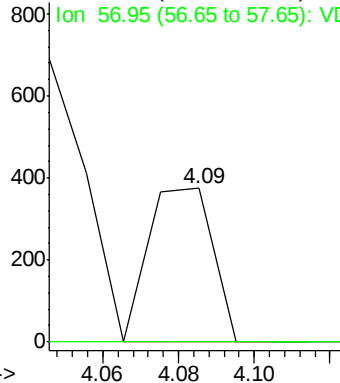
#11
Tert butyl alcohol
Concen: 1.536 ug/l
RT: 4.09 min Scan# 270
Delta R.T. 0.05 min
Lab File: VD061449.D
Acq: 31 Mar 2019 16:18

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 59 Resp: 437
Ion Ratio Lower Upper
59 100
57 0.0 6.7 10.1#

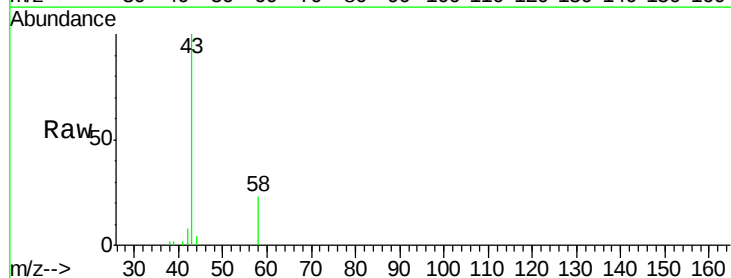


Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC

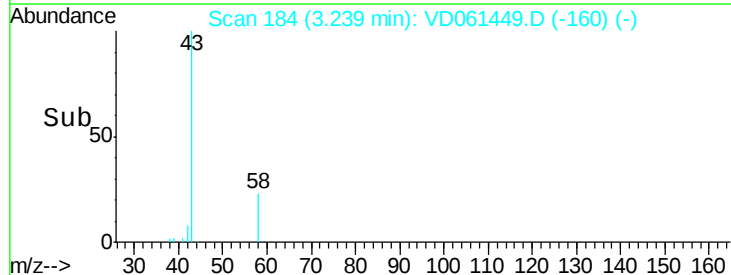
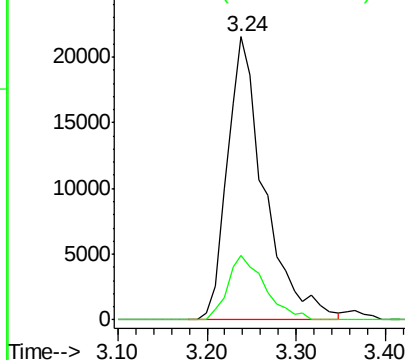


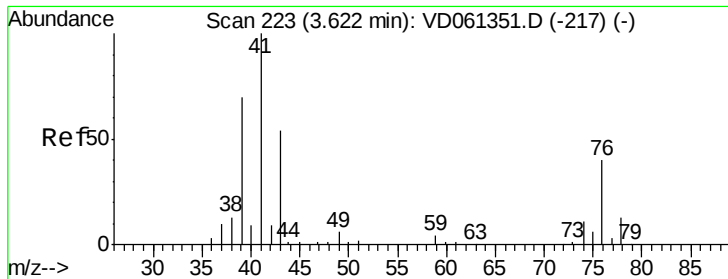
#16
Acetone
Concen: 53.434 ug/l
RT: 3.24 min Scan# 184
Delta R.T. 0.04 min
Lab File: VD061449.D
Acq: 31 Mar 2019 16:18

Tgt Ion: 43 Resp: 62754
Ion Ratio Lower Upper
43 100
58 22.9 21.5 32.3



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

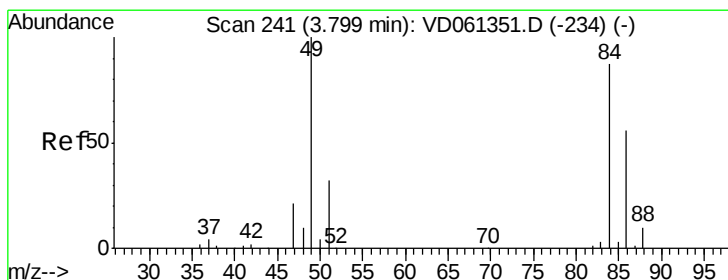
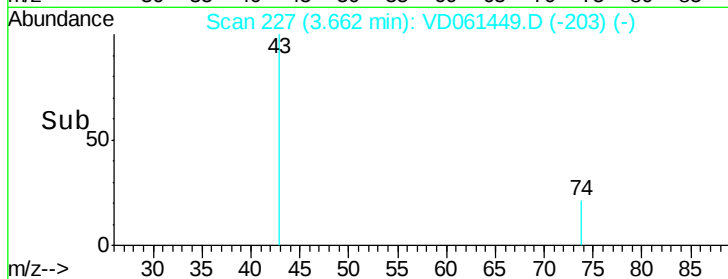
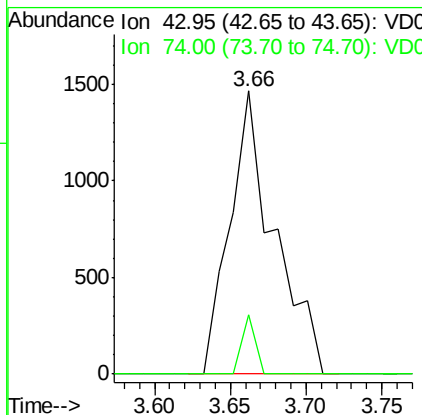
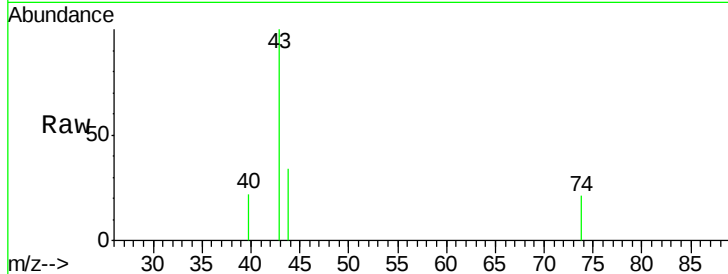




#18
Methyl Acetate
Concen: 1.208 ug/l
RT: 3.66 min Scan# 227
Delta R.T. 0.04 min
Lab File: VD061449.D
Acq: 31 Mar 2019 16:18

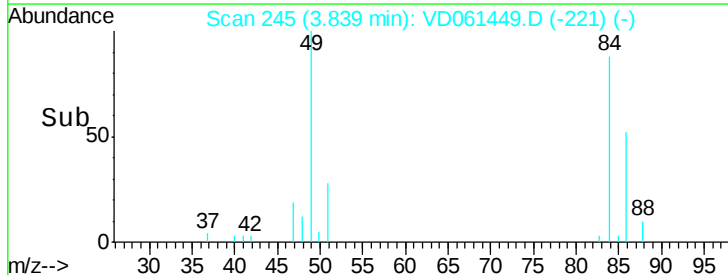
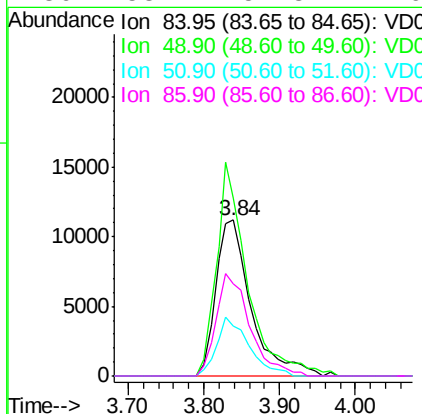
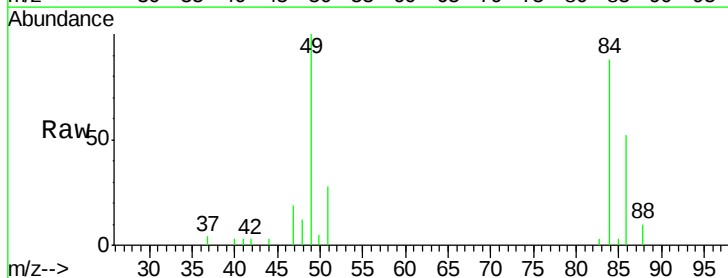
Instrument :
MSVOA_D
ClientSampled :

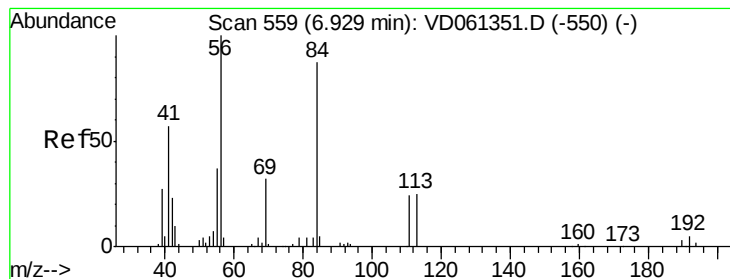
Tot Ion: 43 Resp: 2982
Ion Ratio Lower Upper
43 100
74 21.0 16.7 25.1



#20
Methylene Chloride
Concen: 3.730 ug/l
RT: 3.84 min Scan# 245
Delta R.T. 0.04 min
Lab File: VD061449.D
Acq: 31 Mar 2019 16:18

Tgt Ion: 84 Resp: 36232
Ion Ratio Lower Upper
84 100
49 113.7 91.8 137.8
51 31.8 29.8 44.8
86 58.7 51.8 77.6





#31

Cyclohexane

Concen: 1.115 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.14 min

Lab File: VD061449.D

Acq: 31 Mar 2019 16:18

Instrument :

MSVOA_D

ClientSampleId :

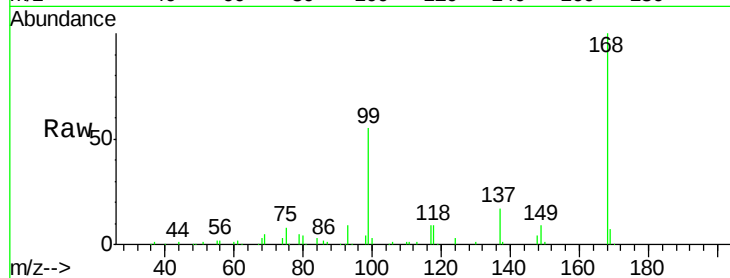
Tot Ion: 56 Resp: 8771

Ion Ratio Lower Upper

56 100

69 258.1 25.7 38.5#

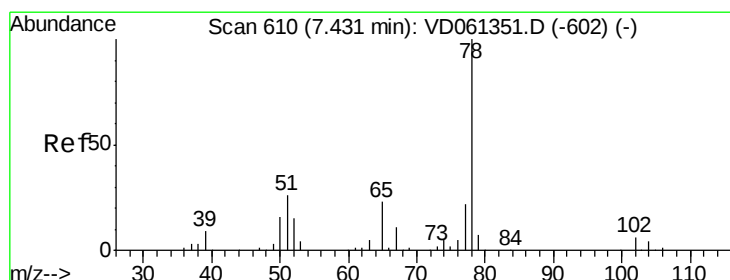
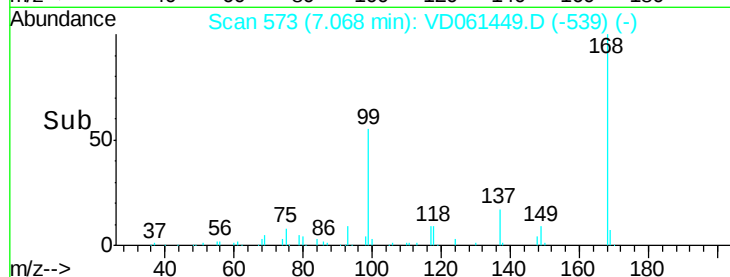
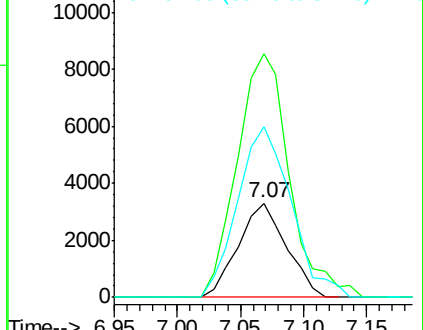
84 180.2 70.6 105.8#



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: 7.47 min Scan# 614

Delta R.T. 0.04 min

Lab File: VD061449.D

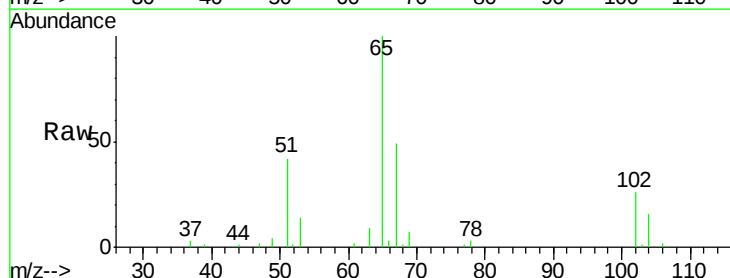
Acq: 31 Mar 2019 16:18

Tgt Ion: 65 Resp: 197081

Ion Ratio Lower Upper

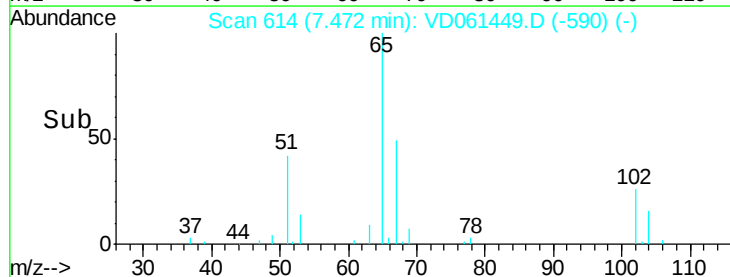
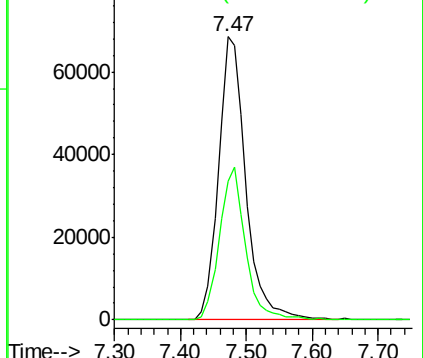
65 100

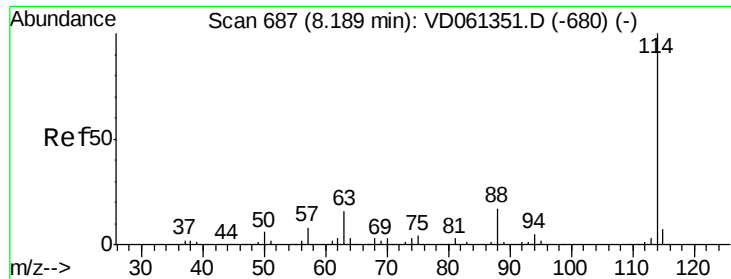
67 49.1 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

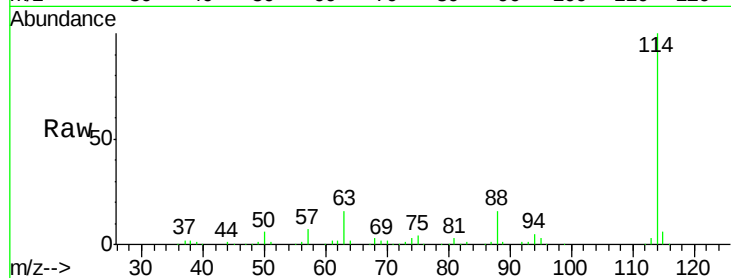




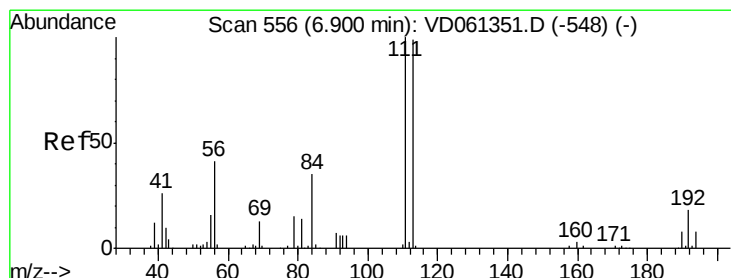
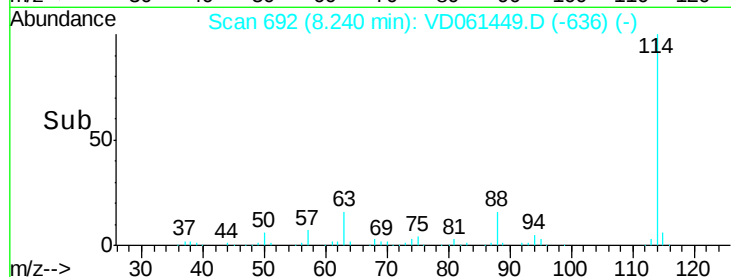
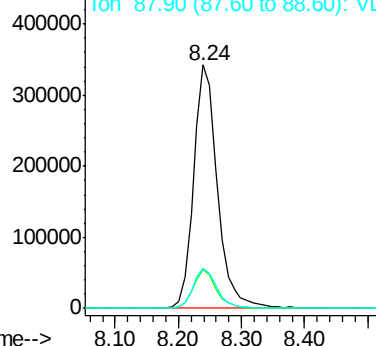
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 692
 Delta R.T. 0.05 min
 Lab File: VD061449.D
 Acq: 31 Mar 2019 16:18

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 897546
 Ion Ratio Lower Upper
 114 100
 63 16.0 0.0 31.6
 88 16.4 0.0 33.4

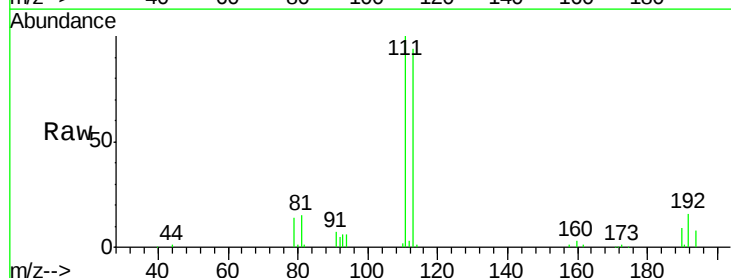


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

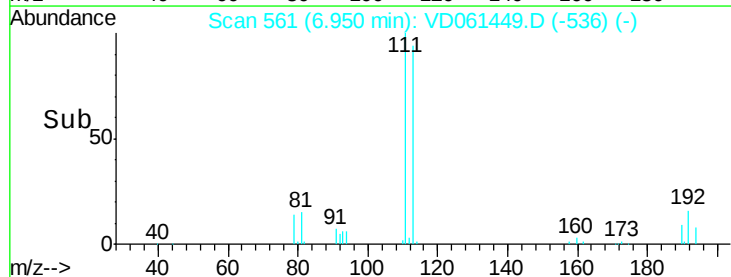
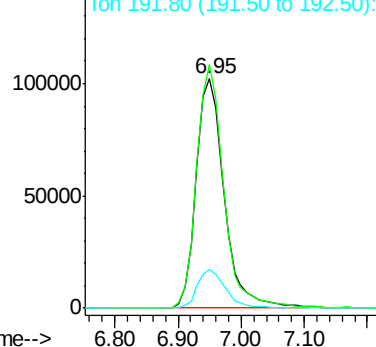


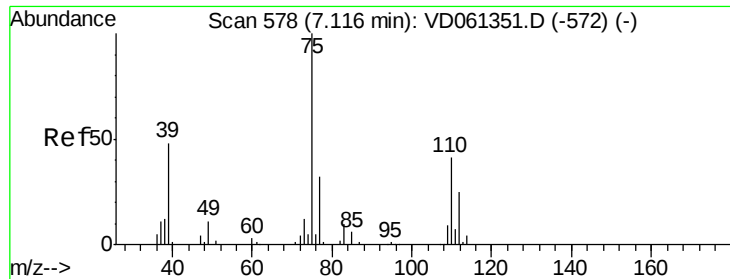
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.95 min Scan# 561
 Delta R.T. 0.05 min
 Lab File: VD061449.D
 Acq: 31 Mar 2019 16:18

Tgt Ion:113 Resp: 315689
 Ion Ratio Lower Upper
 113 100
 111 106.2 81.0 121.6
 192 16.7 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: 4.777 ug/l

RT: 7.07 min Scan# 573

Delta R.T. -0.05 min

Lab File: VD061449.D

Acq: 31 Mar 2019 16:18

Instrument :

MSVOA_D

ClientSampleId :

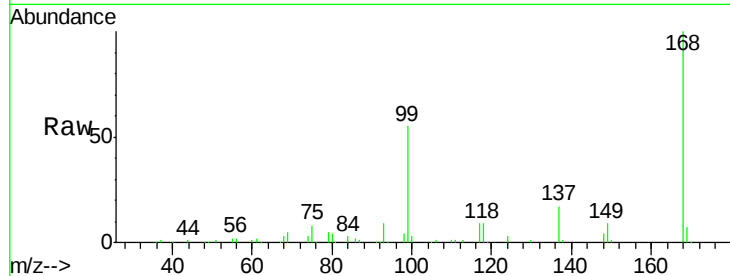
Tot Ion: 75 Resp: 37422

Ion Ratio Lower Upper

75 100

110 7.5 20.4 61.3#

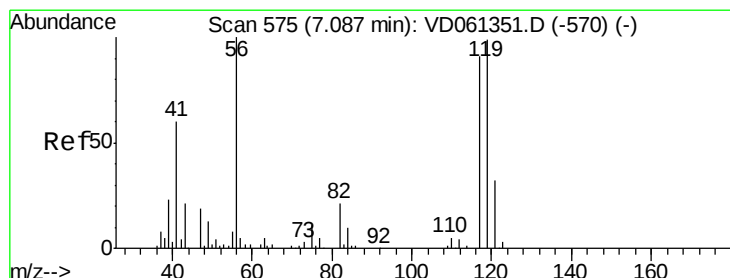
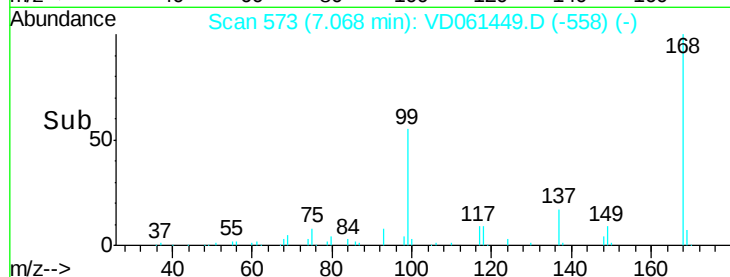
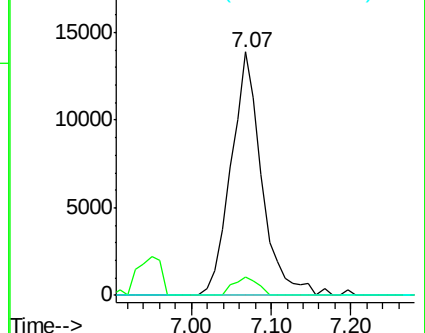
77 0.0 24.9 37.3#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



#38

Carbon Tetrachloride

Concen: 5.561 ug/l

RT: 7.07 min Scan# 573

Delta R.T. -0.02 min

Lab File: VD061449.D

Acq: 31 Mar 2019 16:18

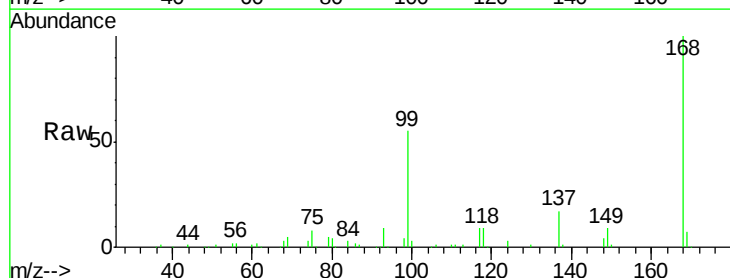
Tgt Ion: 117 Resp: 50058

Ion Ratio Lower Upper

117 100

119 4.5 80.1 120.1#

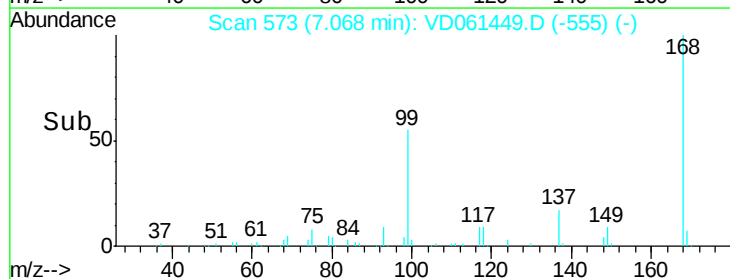
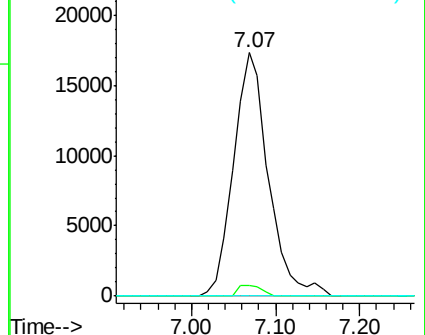
121 0.0 25.6 38.4#

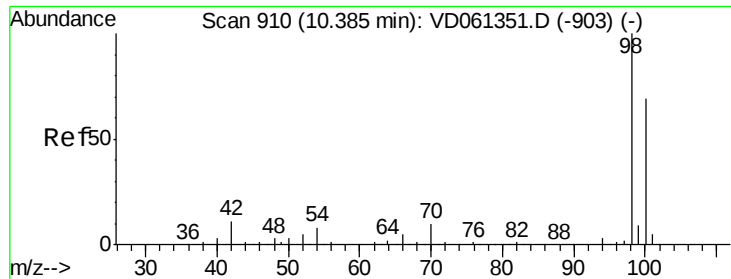


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

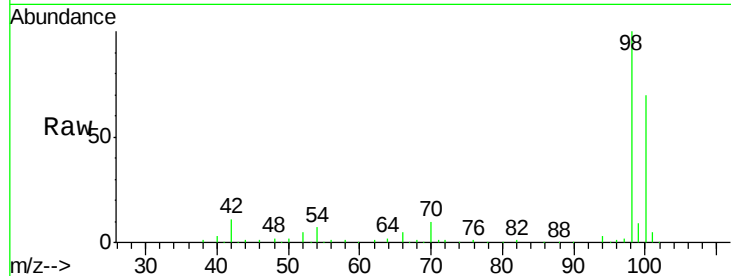




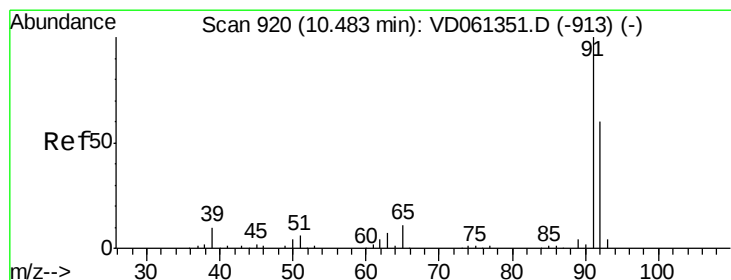
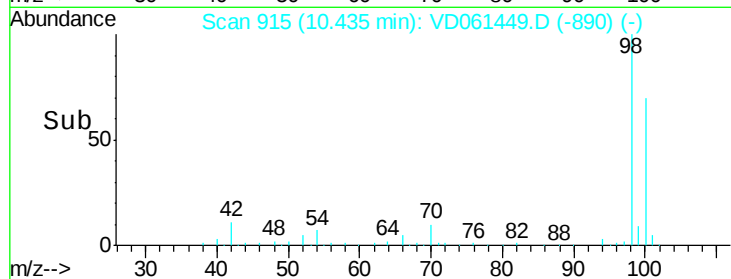
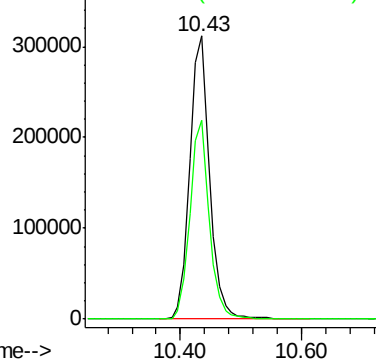
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.05 min
Lab File: VD061449.D
Acq: 31 Mar 2019 16:18

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 707454
Ion Ratio Lower Upper
98 100
100 70.1 56.2 84.2

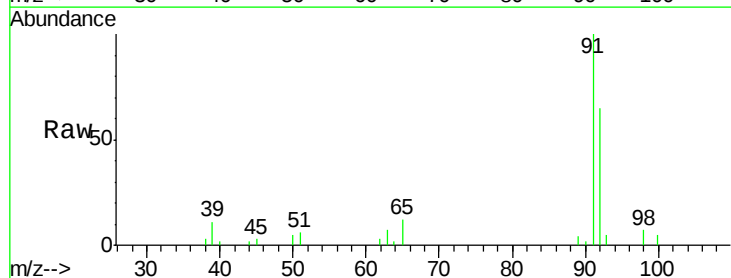


Abundance Ion 98.05 (97.75 to 98.75): VD061351.D (-903) (-)
Ion 100.05 (99.75 to 100.75): VD061351.D (-903) (-)

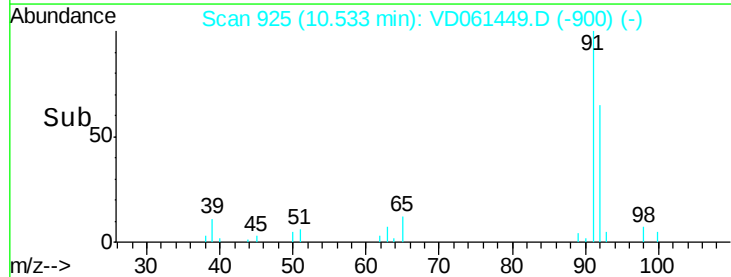
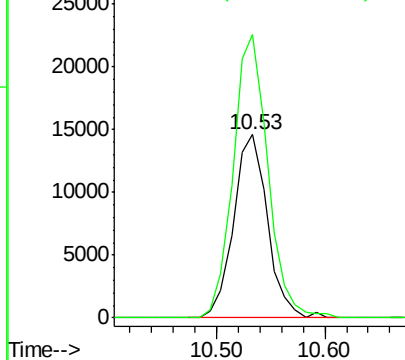


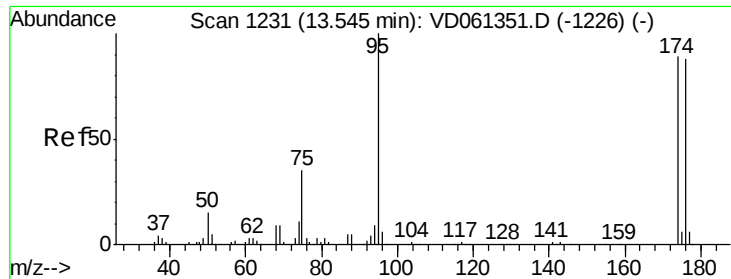
#52
Toluene
Concen: 2.650 ug/l
RT: 10.53 min Scan# 925
Delta R.T. 0.05 min
Lab File: VD061449.D
Acq: 31 Mar 2019 16:18

Tgt Ion: 92 Resp: 31788
Ion Ratio Lower Upper
92 100
91 154.7 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VD061351.D (-913) (-)
Ion 91.00 (90.70 to 91.70): VD061351.D (-913) (-)

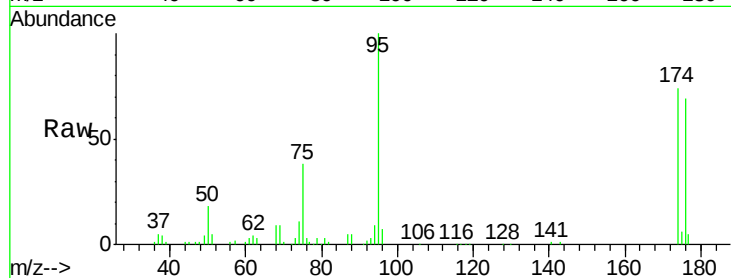




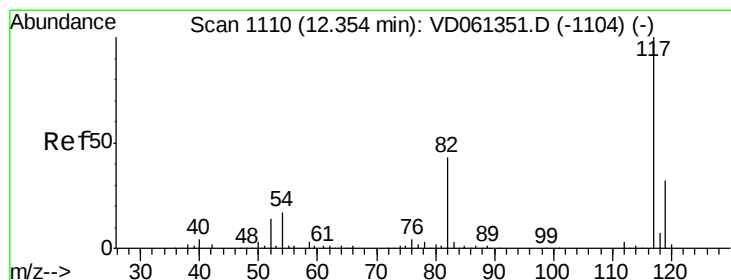
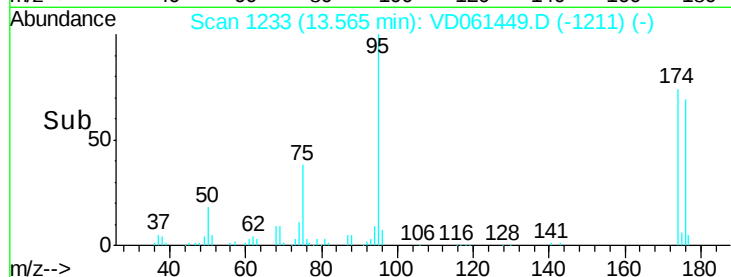
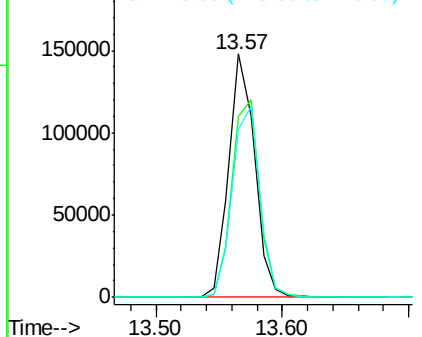
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.57 min Scan# 1233
Delta R.T. 0.02 min
Lab File: VD061449.D
Acq: 31 Mar 2019 16:18

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 209565
Ion Ratio Lower Upper
95 100
174 74.5 0.0 178.0
176 68.9 0.0 175.0

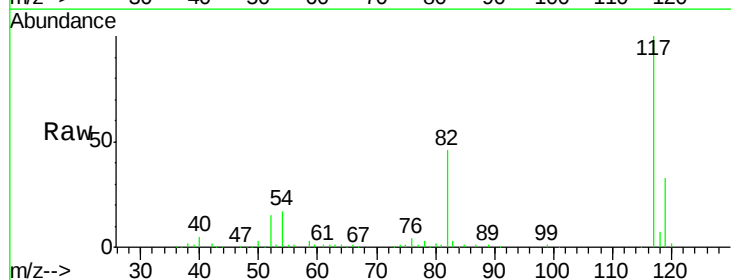


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

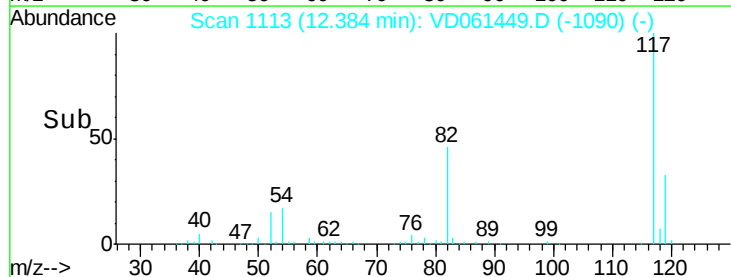
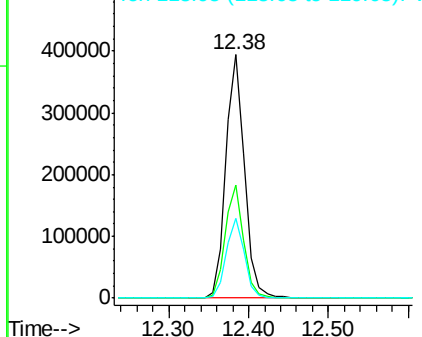


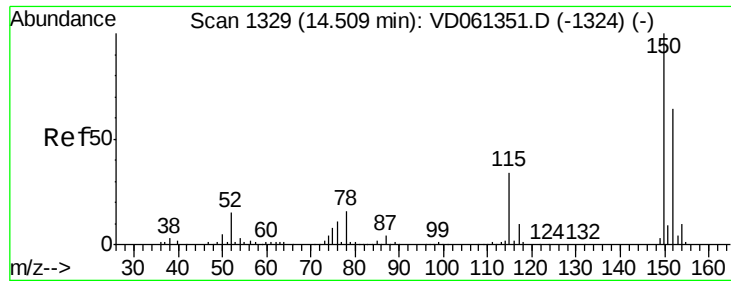
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.03 min
Lab File: VD061449.D
Acq: 31 Mar 2019 16:18

Tgt Ion: 117 Resp: 652220
Ion Ratio Lower Upper
117 100
82 46.3 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# 1331

Delta R.T. 0.02 min

Lab File: VD061449.D

Acq: 31 Mar 2019 16:18

Instrument :

MSVOA_D

ClientSampleId :

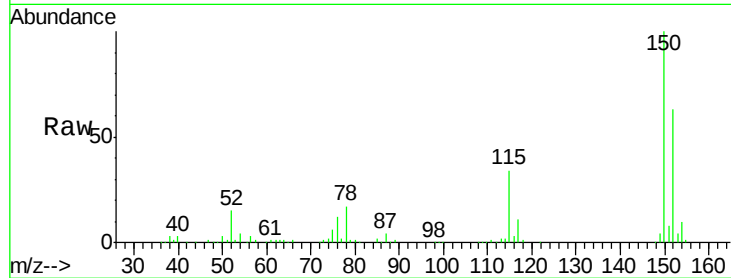
Tot Ion:152 Resp: 197136

Ion Ratio Lower Upper

152 100

115 54.5 26.9 80.6

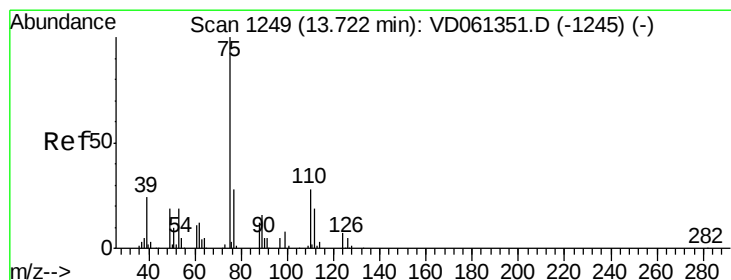
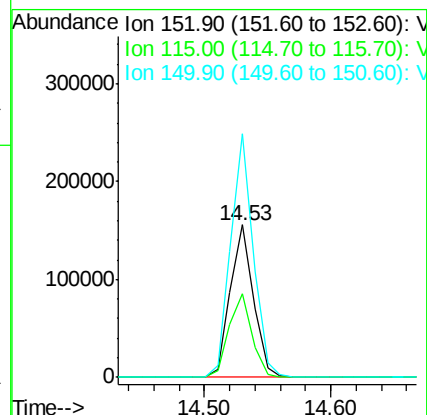
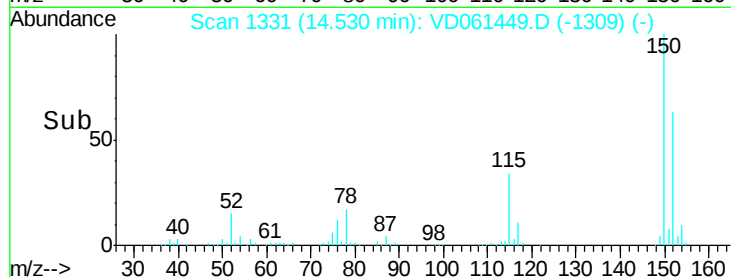
150 159.6 0.0 318.0



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: 26.953 ug/l

RT: 13.57 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD061449.D

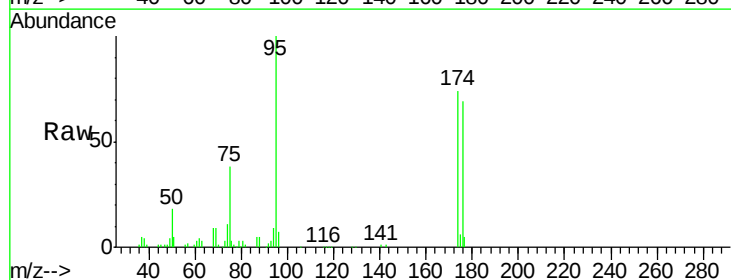
Acq: 31 Mar 2019 16:18

Tgt Ion: 75 Resp: 76753

Ion Ratio Lower Upper

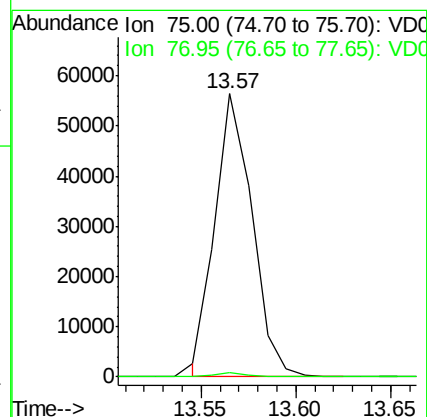
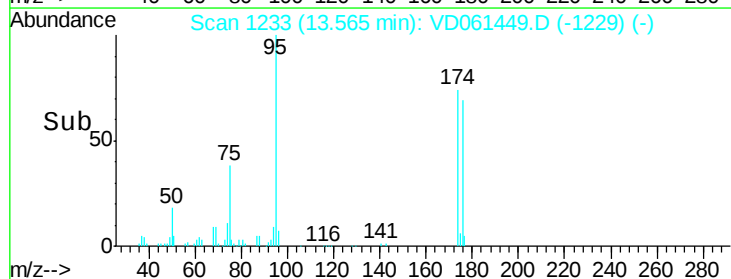
75 100

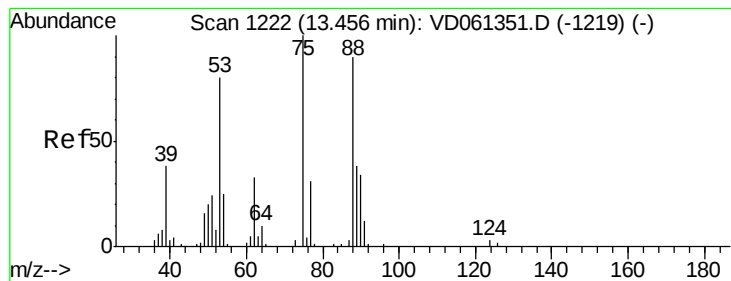
77 1.7 16.2 48.5#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 90.172 ug/l

RT: 13.57 min Scan# 1233

Delta R.T. 0.11 min

Lab File: VD061449.D

Acq: 31 Mar 2019 16:18

Instrument :

MSVOA_D

ClientSampleId :

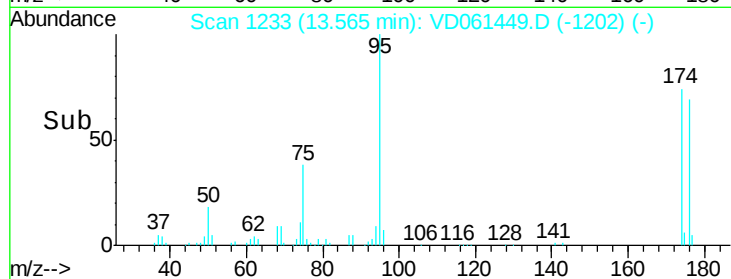
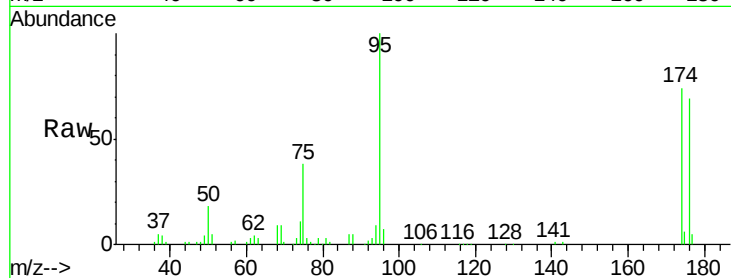
Tot Ion: 75 Resp: 78293

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

89 0.0 30.5 45.7#



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

