

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032919\
 Data File : VD061434.D
 Acq On : 29 Mar 2019 17:19
 Operator : VA/AP
 Sample : K1697-13
 Misc : 5.63g/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 29 23:45:55 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	7.05	168	432220	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	755793	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	536783	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	245565	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	217163	58.82	ug/l	0.02
Spiked Amount 50.000			Recovery	=	117.64%	
35) Dibromofluoromethane	6.93	113	317578	54.99	ug/l	0.03
Spiked Amount 50.000			Recovery	=	109.98%	
50) Toluene-d8	10.41	98	373311	26.95	ug/l	0.03
Spiked Amount 50.000			Recovery	=	53.90%	
62) 4-Bromofluorobenzene	13.55	95	278550	52.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.88%	

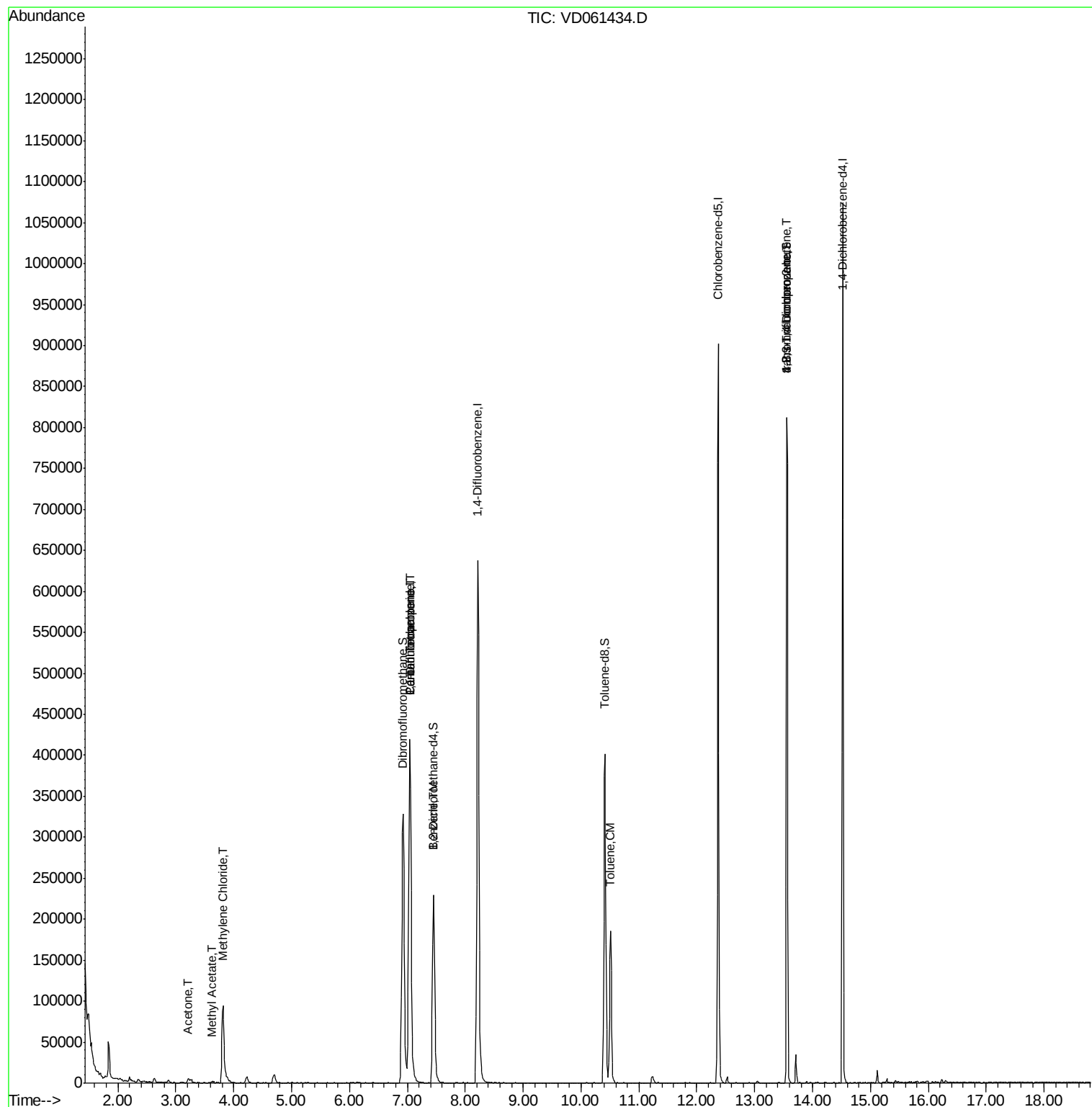
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.22	43	9460	9.967	ug/l #	84
18) Methyl Acetate	3.64	43	2928	1.467	ug/l #	55
20) Methylene Chloride	3.82	84	72539	12.191	ug/l	95
36) 1,1-Dichloropropene	7.05	75	32031	4.856	ug/l #	47
38) Carbon Tetrachloride	7.05	117	43680	5.763	ug/l #	13
40) Benzene	7.46	78	17815	1.076	ug/l	93
52) Toluene	10.51	92	104181	10.315	ug/l	94
76) 1,2,3-Trichloropropane	13.55	75	87730	24.732	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.55	75	105137	97.209	ug/l #	18

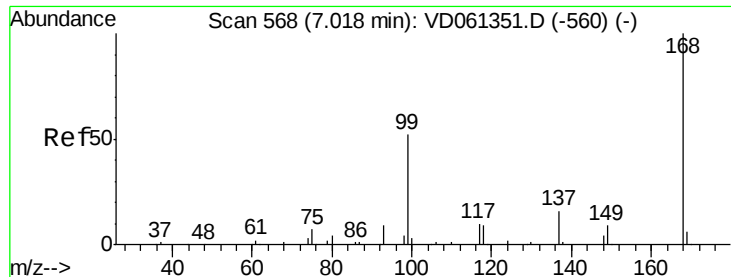
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032919\
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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: 7.05 min Scan# 571

Delta R.T. 0.03 min

Lab File: VD061434.D

Acq: 29 Mar 2019 17:19

Instrument :

MSVOA_D

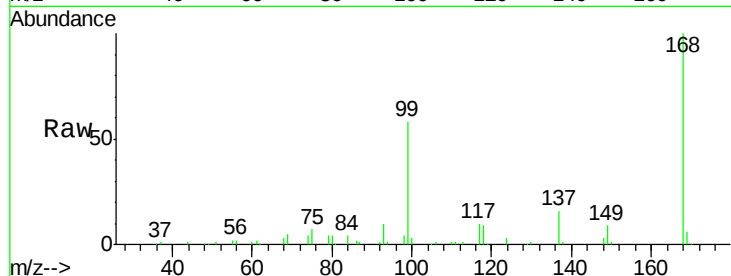
ClientSampleId :

Tot Ion:168 Resp: 432220

Ion Ratio Lower Upper

168 100

99 58.2 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

150000

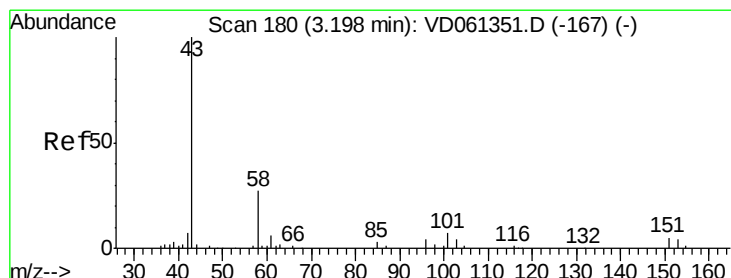
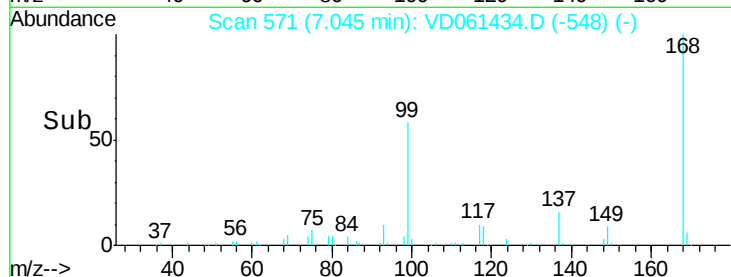
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#16

Acetone

Concen: 9.967 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.02 min

Lab File: VD061434.D

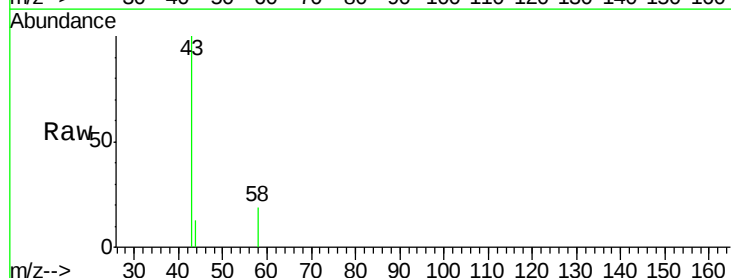
Acq: 29 Mar 2019 17:19

Tgt Ion: 43 Resp: 9460

Ion Ratio Lower Upper

43 100

58 18.6 21.5 32.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

4000

3000

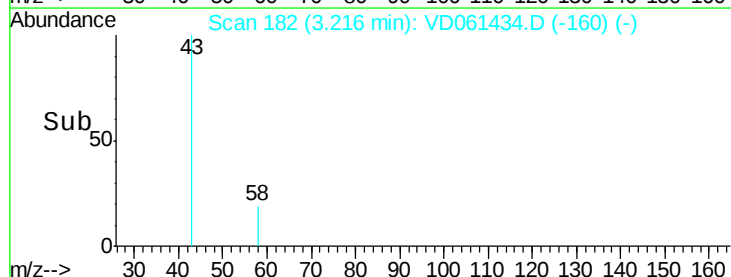
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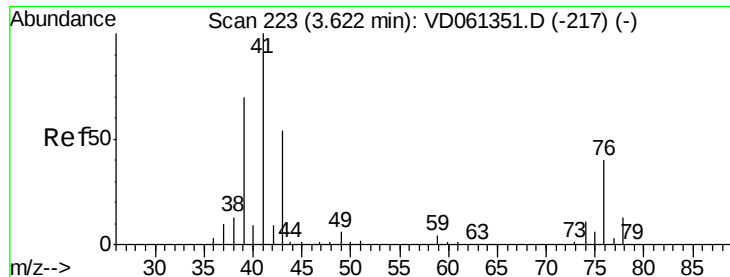
1000

0

3.15 3.20 3.25 3.30

Time-->

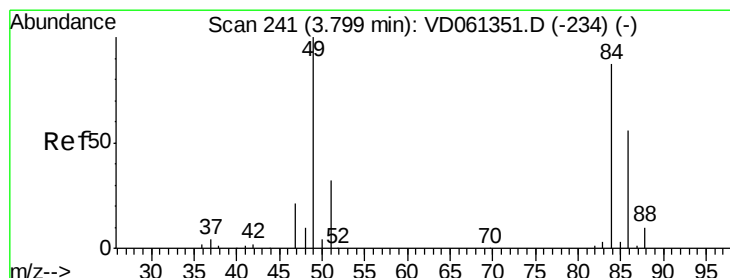
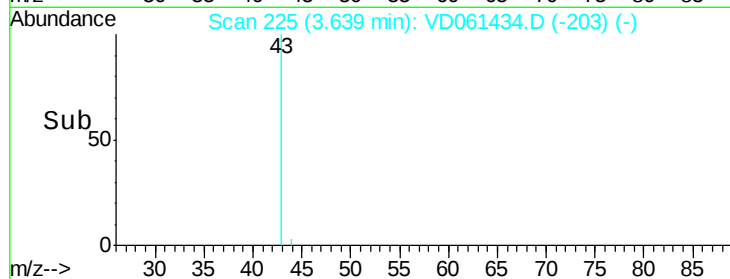
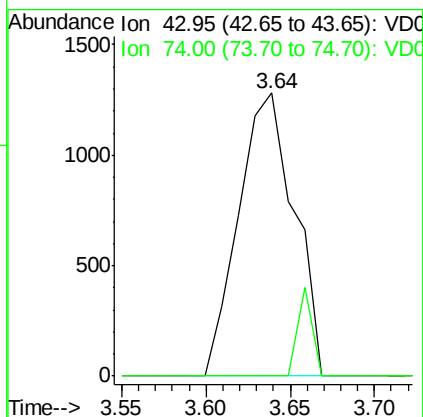
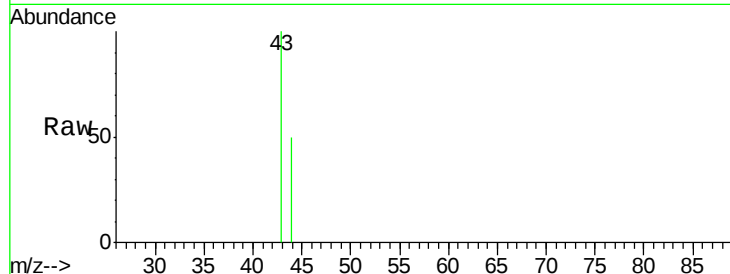




#18
Methyl Acetate
Concen: 1.467 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.02 min
Lab File: VD061434.D
Acq: 29 Mar 2019 17:19

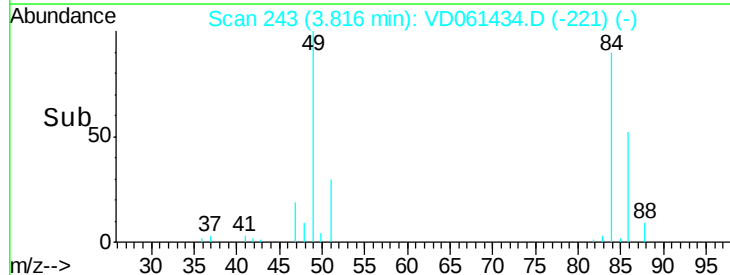
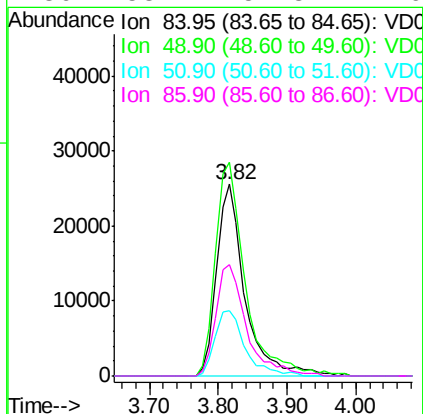
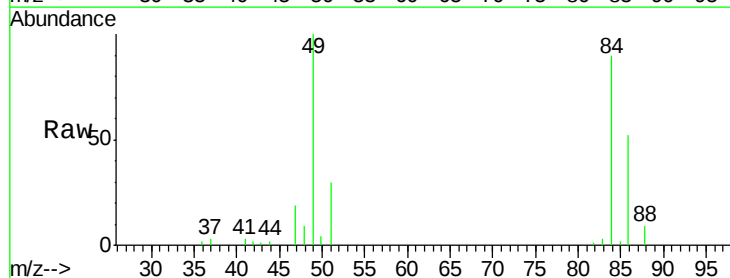
Instrument :
MSVOA_D
ClientSampled :

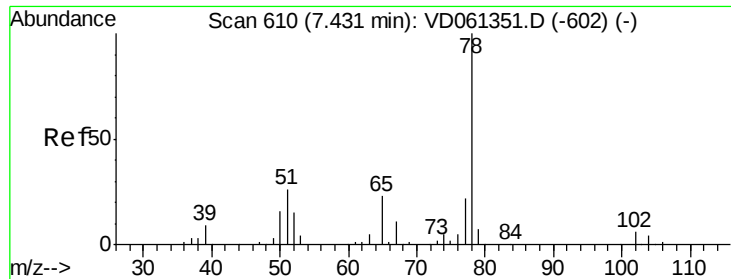
Tot Ion: 43 Resp: 2928
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: 12.191 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD061434.D
Acq: 29 Mar 2019 17:19

Tgt Ion: 84 Resp: 72539
Ion Ratio Lower Upper
84 100
49 111.4 91.8 137.8
51 33.8 29.8 44.8
86 58.1 51.8 77.6

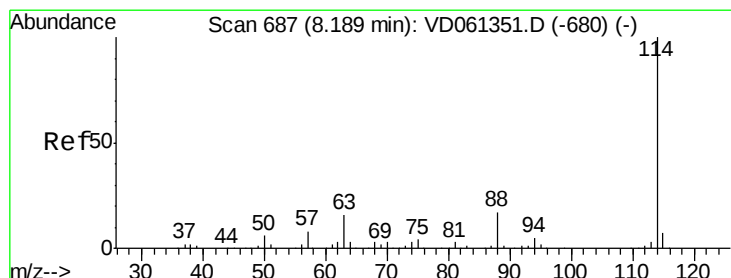
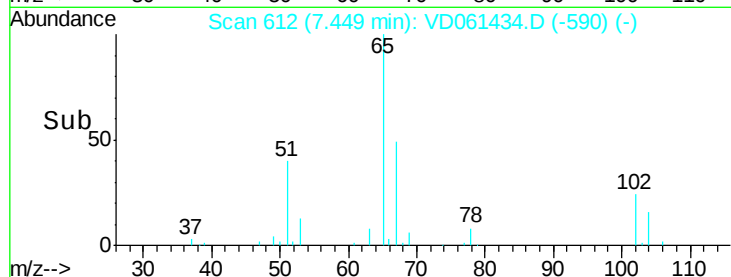
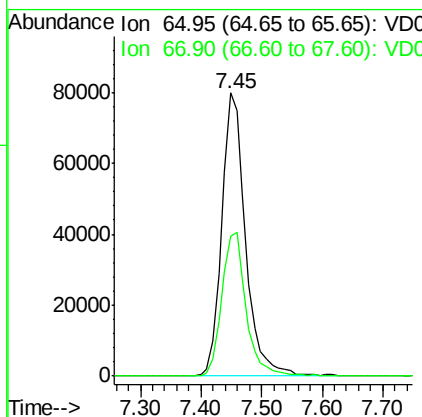
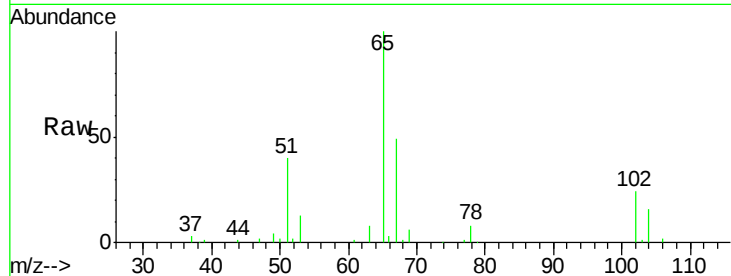




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.02 min
 Lab File: VD061434.D
 Acq: 29 Mar 2019 17:19

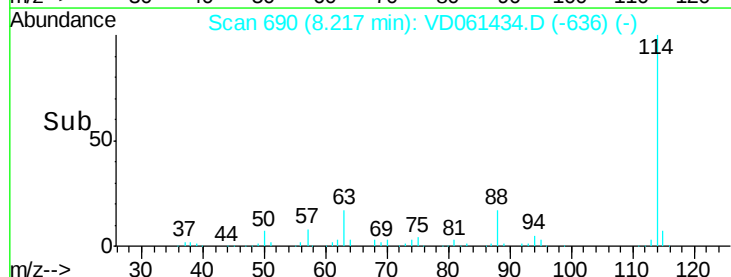
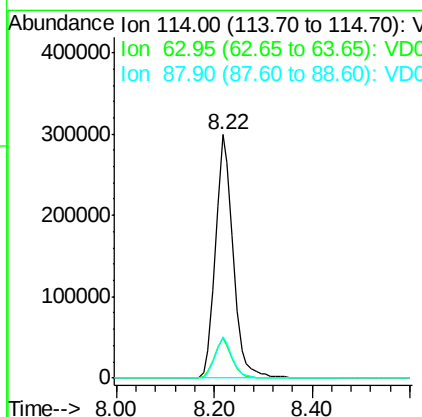
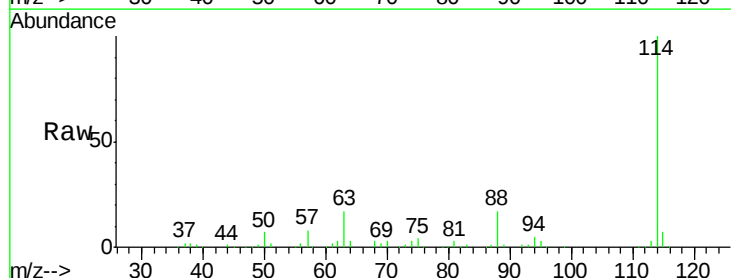
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 65 Resp: 217163
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.03 min
 Lab File: VD061434.D
 Acq: 29 Mar 2019 17:19

Tgt Ion: 114 Resp: 755793
 Ion Ratio Lower Upper
 114 100
 63 16.6 0.0 31.6
 88 17.2 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.03 min

Lab File: VD061434.D

Acq: 29 Mar 2019 17:19

Instrument :

MSVOA_D

ClientSampled :

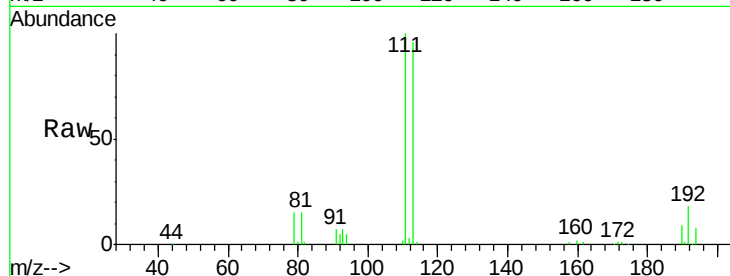
Tot Ion:113 Resp: 317578

Ion Ratio Lower Upper

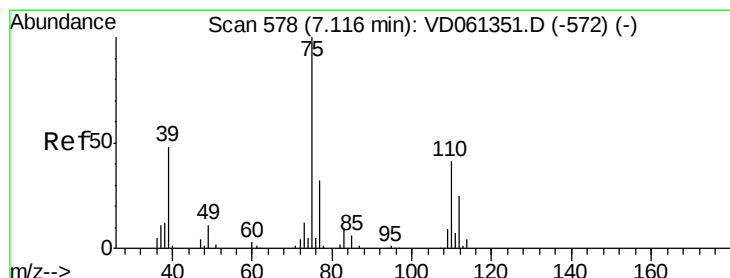
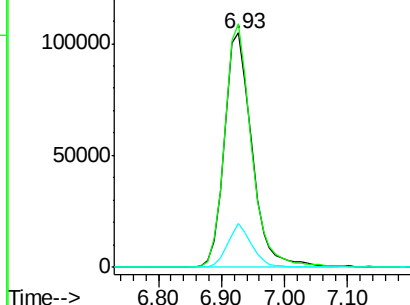
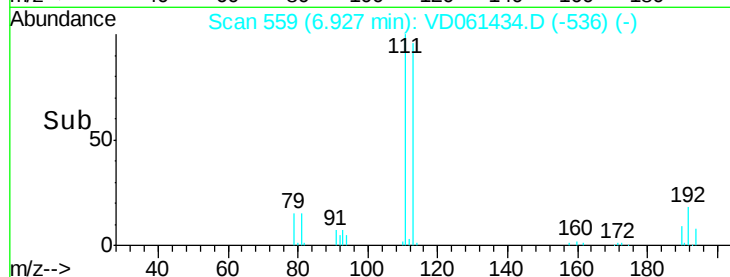
113 100

111 104.0 81.0 121.6

192 18.6 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: 4.856 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.07 min

Lab File: VD061434.D

Acq: 29 Mar 2019 17:19

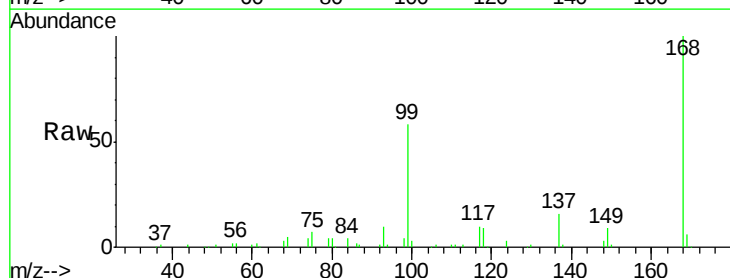
Tgt Ion: 75 Resp: 32031

Ion Ratio Lower Upper

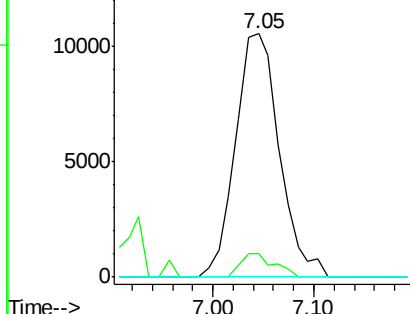
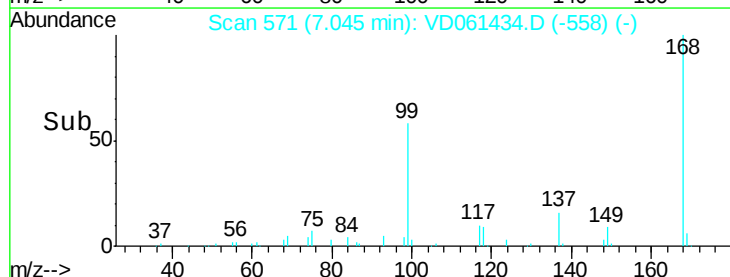
75 100

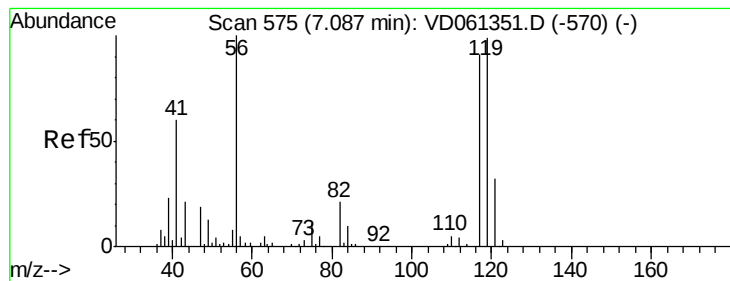
110 9.6 20.4 61.3#

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: 5.763 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.04 min

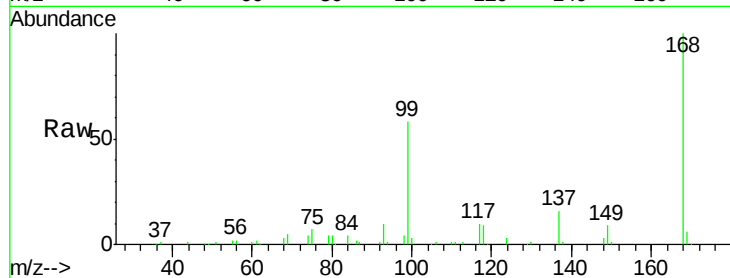
Lab File: VD061434.D

Acq: 29 Mar 2019 17:19

Instrument :

MSVOA_D

ClientSampled :



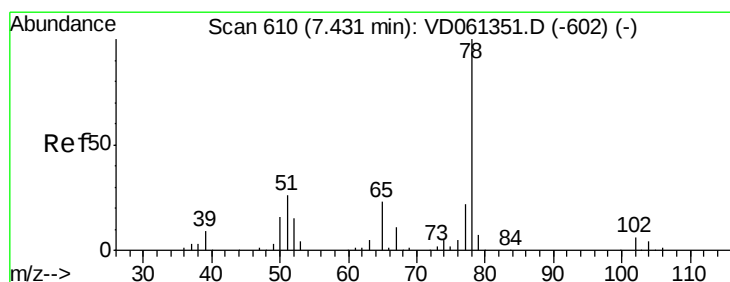
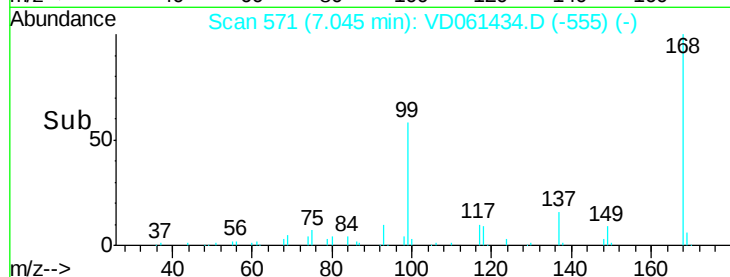
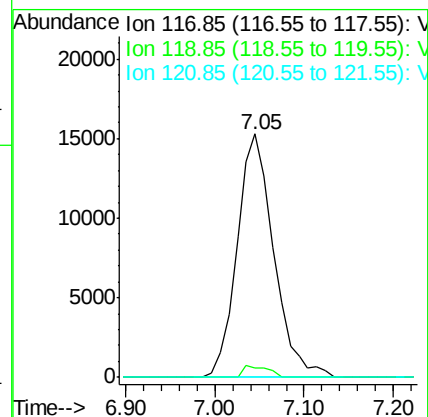
Tot Ion:117 Resp: 43680

Ion Ratio Lower Upper

117 100

119 3.8 80.1 120.1#

121 0.0 25.6 38.4#



#40

Benzene

Concen: 1.076 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.03 min

Lab File: VD061434.D

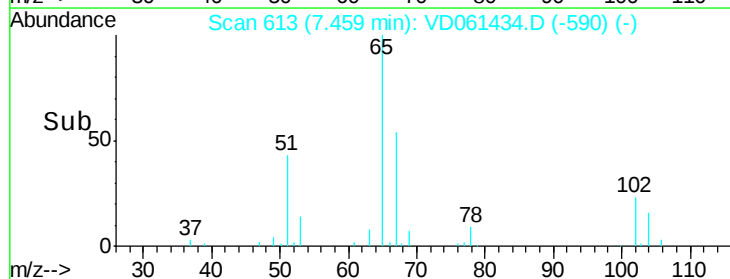
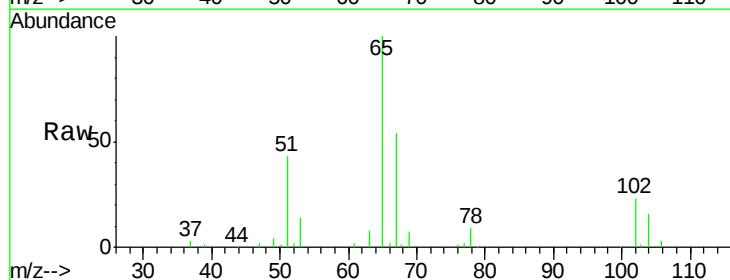
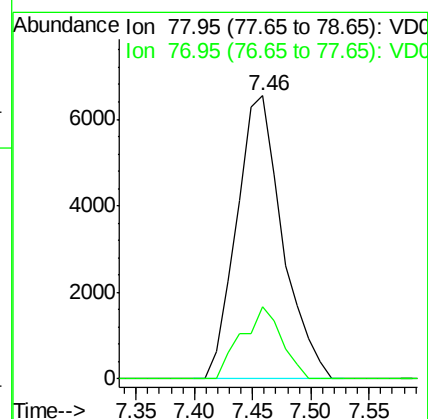
Acq: 29 Mar 2019 17:19

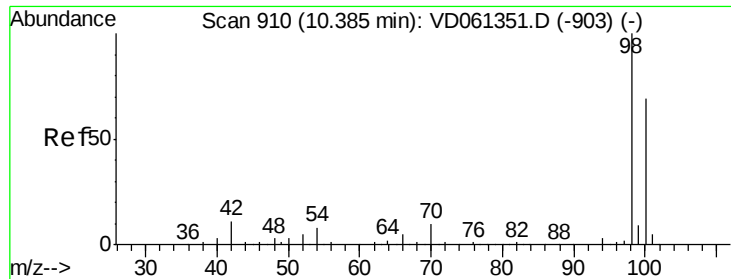
Tgt Ion: 78 Resp: 17815

Ion Ratio Lower Upper

78 100

77 25.3 17.8 26.6

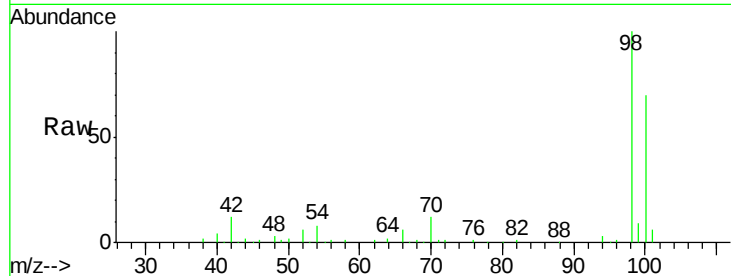




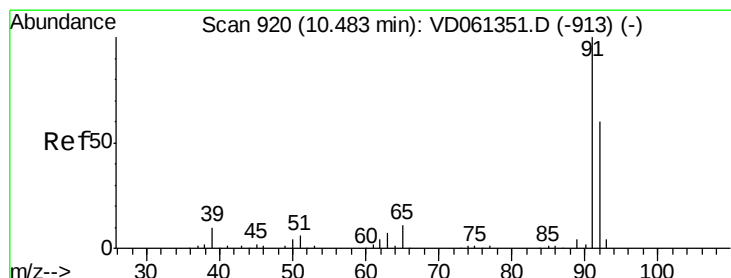
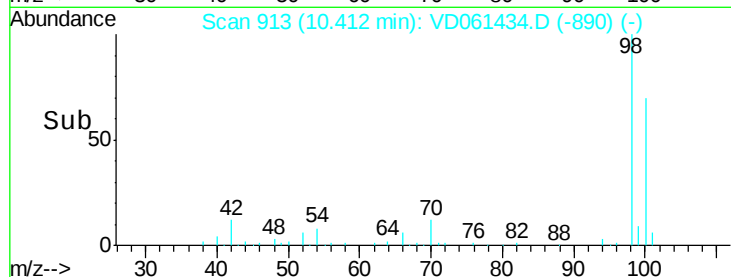
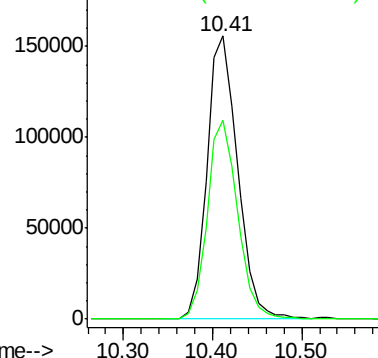
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.03 min
Lab File: VD061434.D
Acq: 29 Mar 2019 17:19

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 373311
Ion Ratio Lower Upper
98 100
100 70.1 56.2 84.2

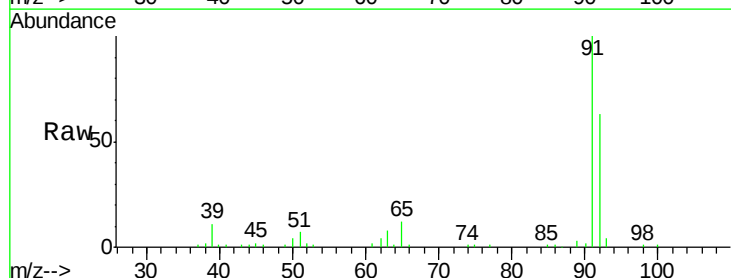


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

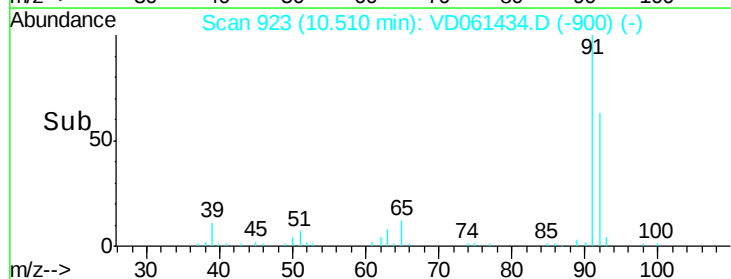
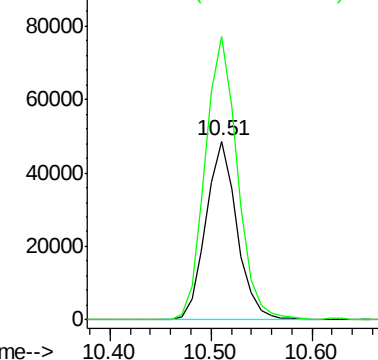


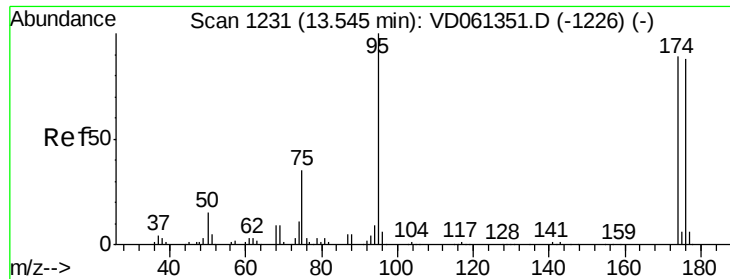
#52
Toluene
Concen: 10.315 ug/l
RT: 10.51 min Scan# 923
Delta R.T. 0.03 min
Lab File: VD061434.D
Acq: 29 Mar 2019 17:19

Tgt Ion: 92 Resp: 104181
Ion Ratio Lower Upper
92 100
91 158.5 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC

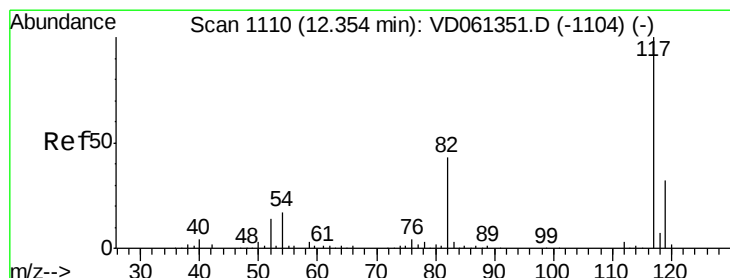
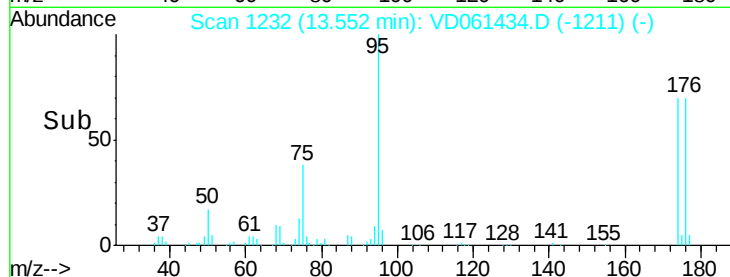
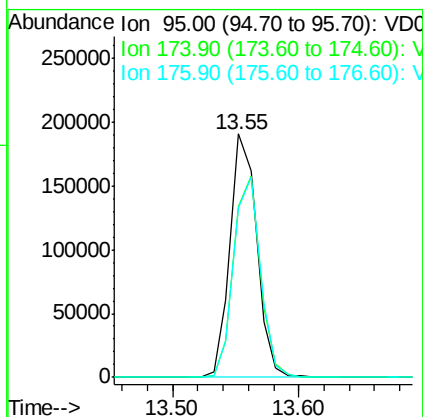
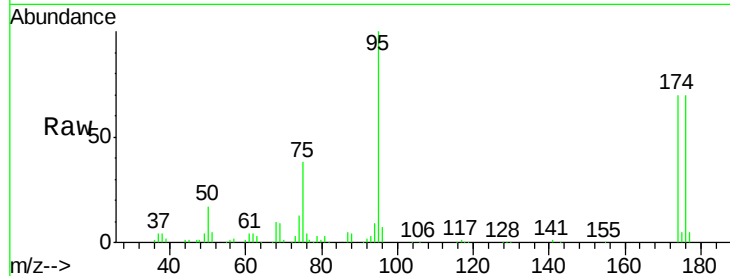




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD061434.D
Acq: 29 Mar 2019 17:19

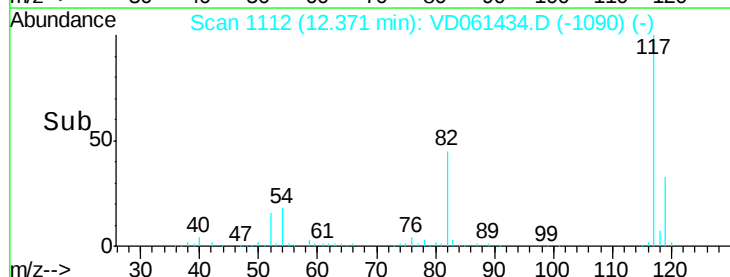
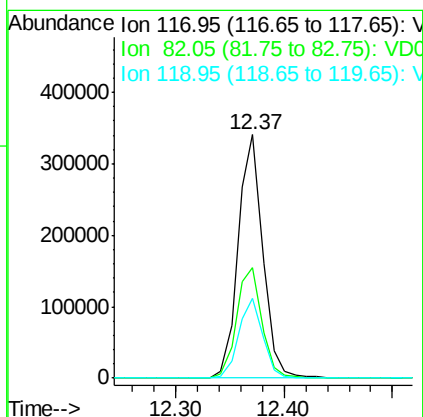
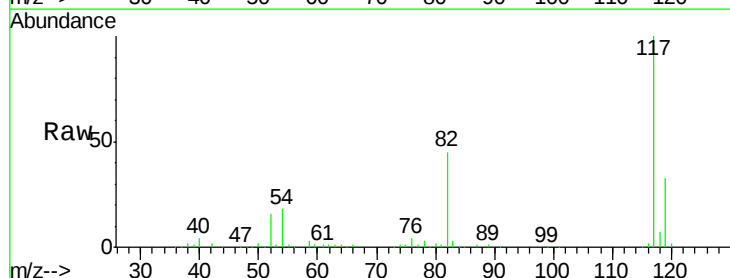
Instrument :
MSVOA_D
ClientSampleId :

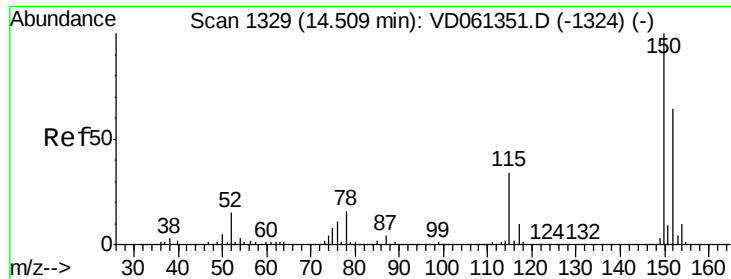
Tot Ion: 95 Resp: 278550
Ion Ratio Lower Upper
95 100
174 69.9 0.0 178.0
176 69.5 0.0 175.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD061434.D
Acq: 29 Mar 2019 17:19

Tgt Ion: 117 Resp: 536783
Ion Ratio Lower Upper
117 100
82 45.4 34.4 51.6
119 33.0 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.01 min

Lab File: VD061434.D

Acq: 29 Mar 2019 17:19

Instrument :

MSVOA_D

ClientSampleId :

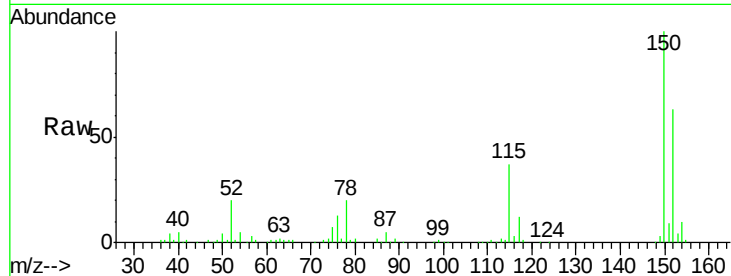
Tot Ion:152 Resp: 245565

Ion Ratio Lower Upper

152 100

115 58.6 26.9 80.6

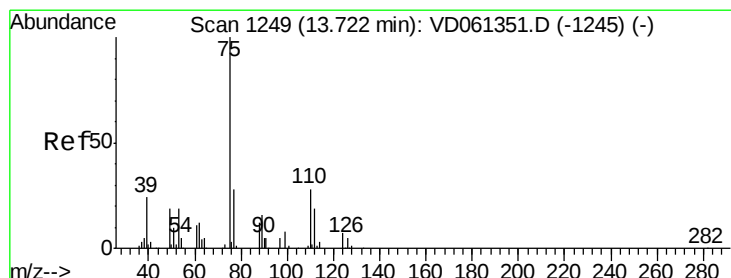
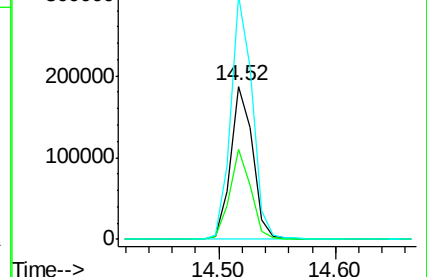
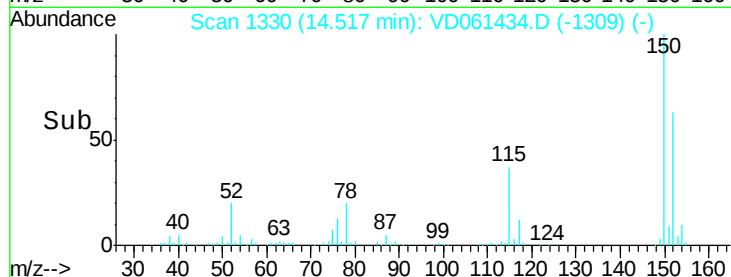
150 159.0 0.0 318.0



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: 24.732 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD061434.D

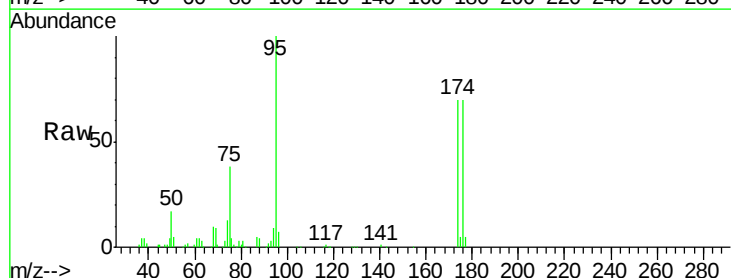
Acq: 29 Mar 2019 17:19

Tgt Ion: 75 Resp: 87730

Ion Ratio Lower Upper

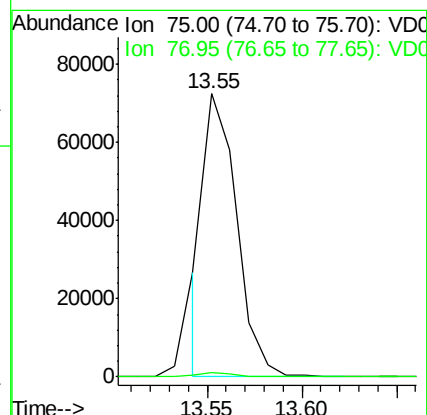
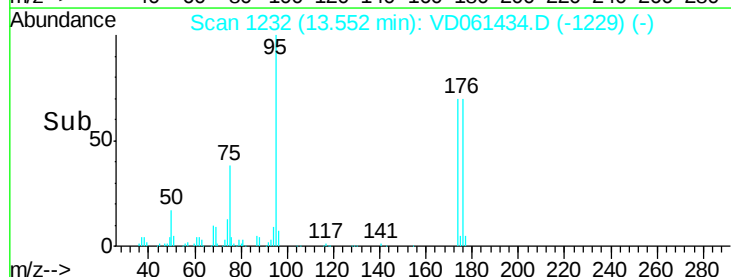
75 100

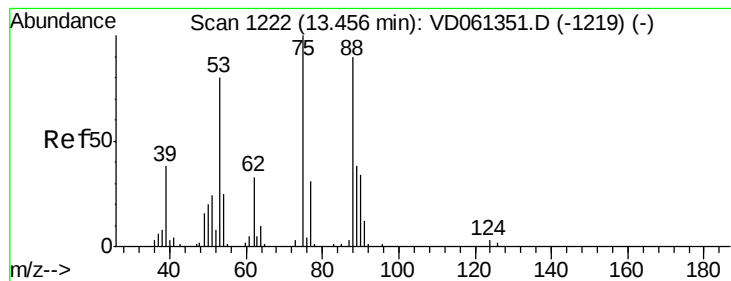
77 1.6 16.2 48.5#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 76.95 (76.65 to 77.65): V





#81

trans-1,4-Dichloro-2-butene

Concen: 97.209 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.10 min

Lab File: VD061434.D

Acq: 29 Mar 2019 17:19

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 105137

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

89 0.0 30.5 45.7#

