

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032819\
 Data File : VD061420.D
 Acq On : 29 Mar 2019 7:07
 Operator : VA/AP
 Sample : K2107-05RE
 Misc : 2.58g/5ml/MSVOA D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 29 08:23:24 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

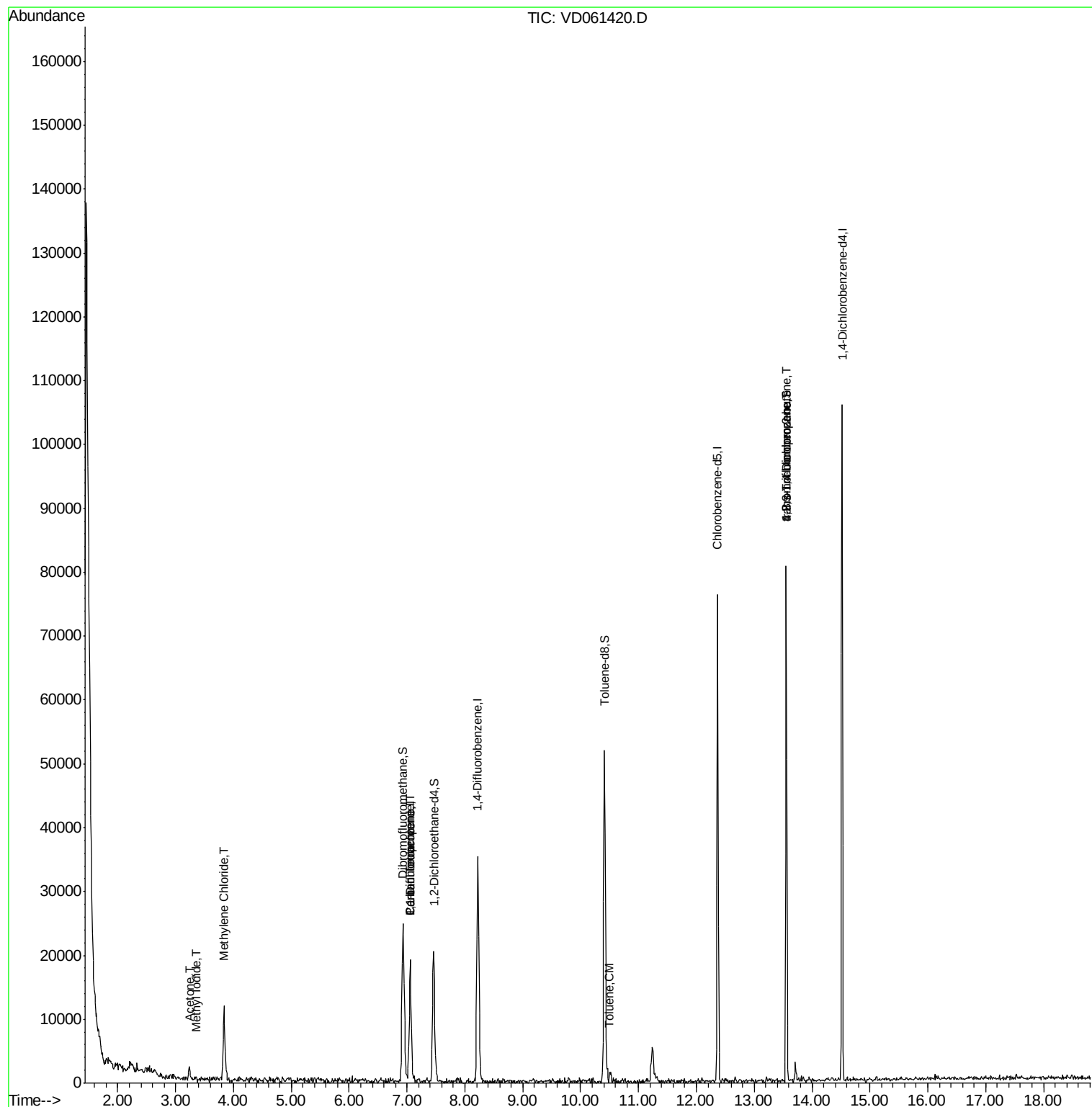
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	22099	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	49289	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.36	117	49756	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	25077	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	21722	115.07	ug/l	0.03
Spiked Amount 50.000			Recovery	=	230.14%	
35) Dibromofluoromethane	6.93	113	24044	63.83	ug/l	0.03
Spiked Amount 50.000			Recovery	=	127.66%	
50) Toluene-d8	10.41	98	50175	55.54	ug/l	0.03
Spiked Amount 50.000			Recovery	=	111.08%	
62) 4-Bromofluorobenzene	13.55	95	25879	74.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	149.40%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	3.36	142	669	4.948	ug/l #	38
16) Acetone	3.24	43	2912	60.006	ug/l	97
20) Methylene Chloride	3.84	84	8268	29.631	ug/l	90
36) 1,1-Dichloropropene	7.06	75	659	1.532	ug/l #	38
38) Carbon Tetrachloride	7.06	117	2004	4.054	ug/l #	10
52) Toluene	10.51	92	734	1.114	ug/l	96
76) 1,2,3-Trichloropropane	13.55	75	7573	20.906	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.55	75	10681	96.706	ug/l #	18

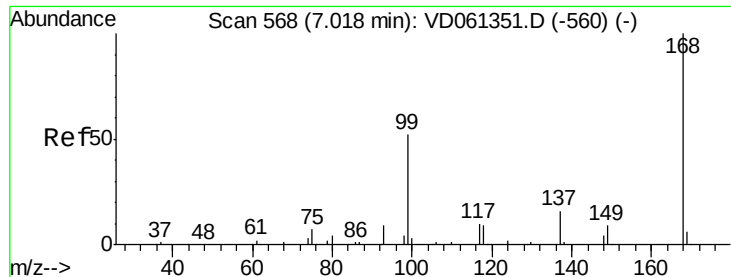
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Mar 29 08:23:24 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: 7.06 min Scan# 572

Delta R.T. 0.04 min

Lab File: VD061420.D

Acq: 29 Mar 2019 7:07

Instrument :

MSVOA_D

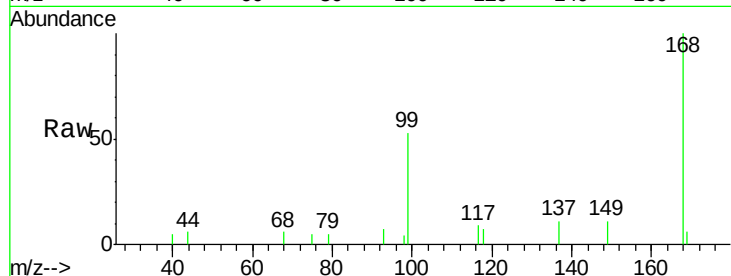
ClientSampleId :

Tot Ion:168 Resp: 22099

Ion Ratio Lower Upper

168 100

99 52.7 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.06

8000

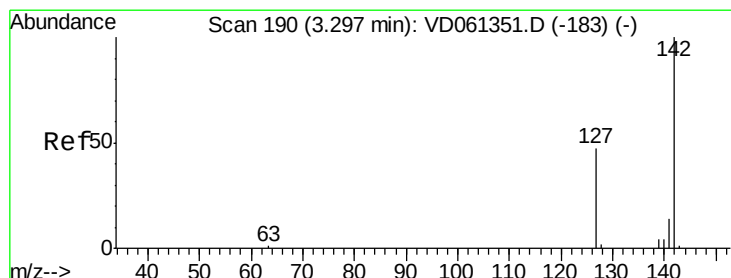
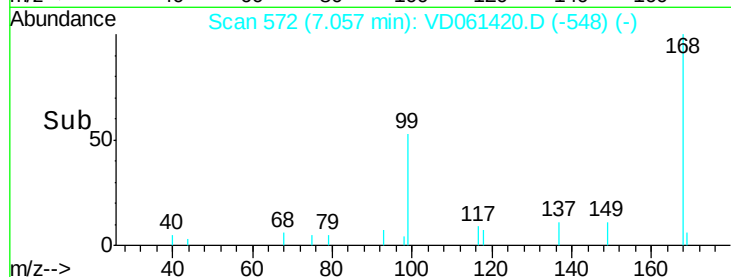
6000

4000

2000

0

Time-->



#10

Methyl Iodide

Concen: 4.948 ug/l

RT: 3.36 min Scan# 196

Delta R.T. 0.06 min

Lab File: VD061420.D

Acq: 29 Mar 2019 7:07

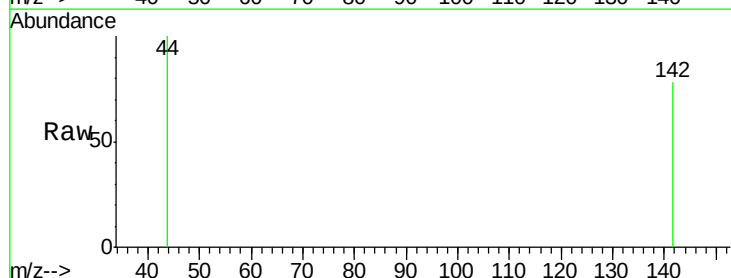
Tgt Ion:142 Resp: 669

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

3.36

600

500

400

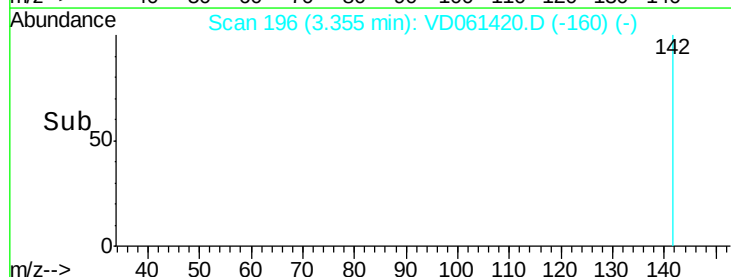
300

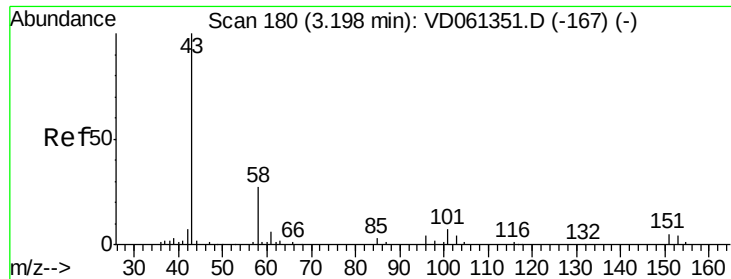
200

100

0

Time-->





#16

Acetone

Concen: 60.006 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD061420.D

Acq: 29 Mar 2019 7:07

Instrument :

MSVOA_D

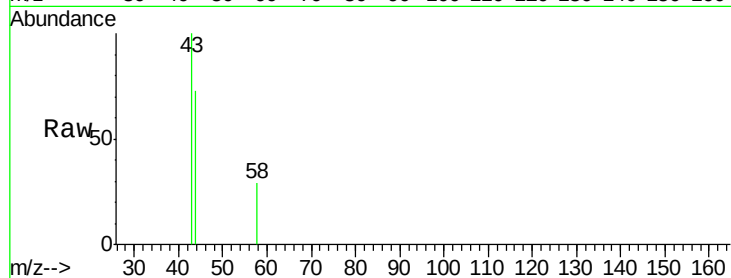
ClientSampled :

Tot Ion: 43 Resp: 2912

Ion Ratio Lower Upper

43 100

58 28.6 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.24

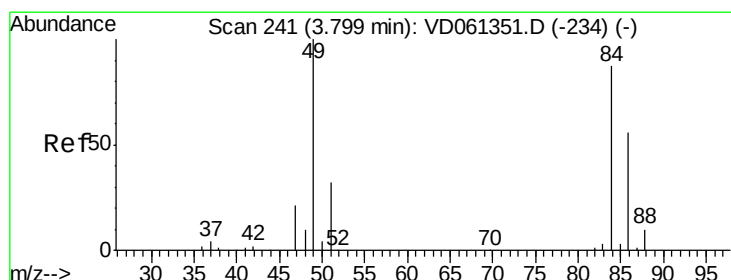
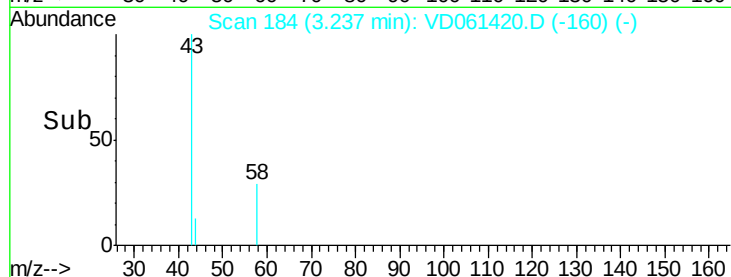
1500

1000

500

0

Time-->



#20

Methylene Chloride

Concen: 29.631 ug/l

RT: 3.84 min Scan# 245

Delta R.T. 0.04 min

Lab File: VD061420.D

Acq: 29 Mar 2019 7:07

Tgt Ion: 84 Resp: 8268

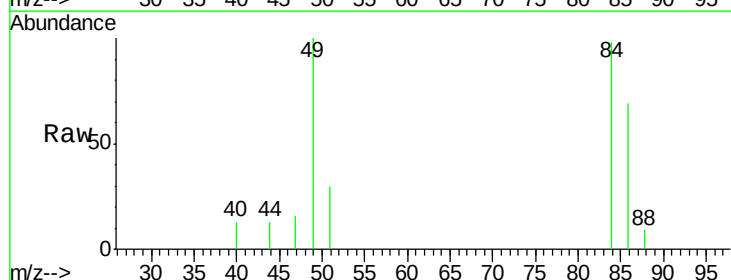
Ion Ratio Lower Upper

84 100

49 102.4 91.8 137.8

51 30.5 29.8 44.8

86 70.6 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

5000

4000

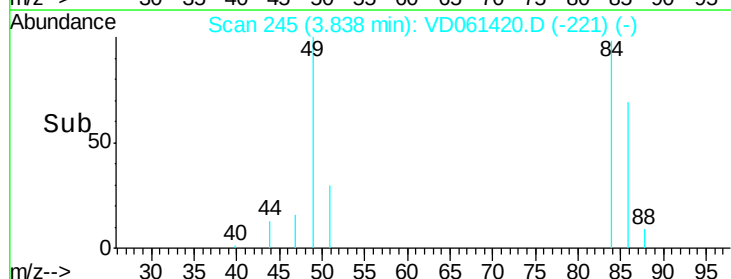
3000

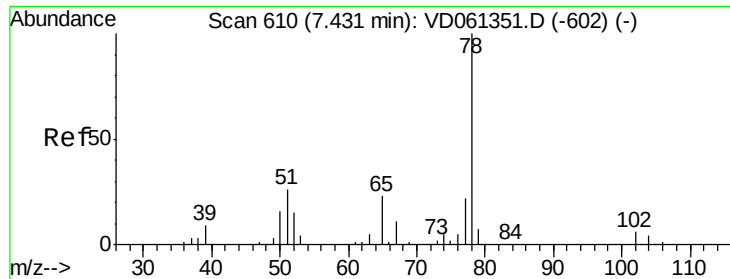
2000

1000

0

Time-->

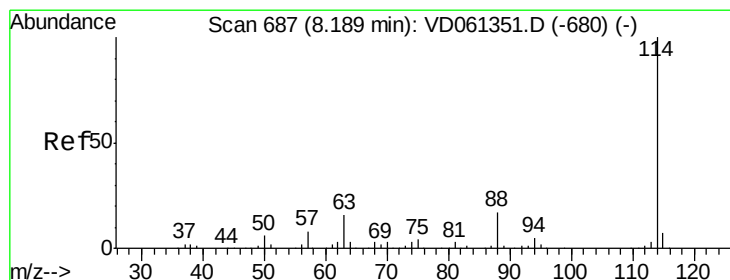
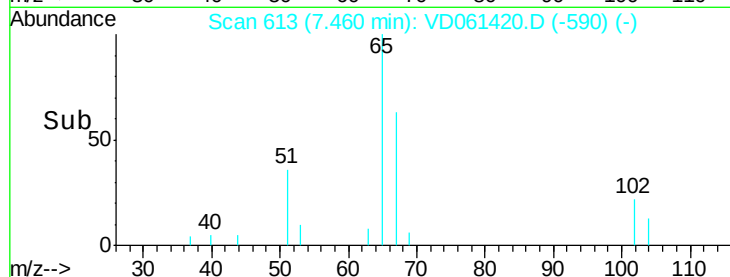
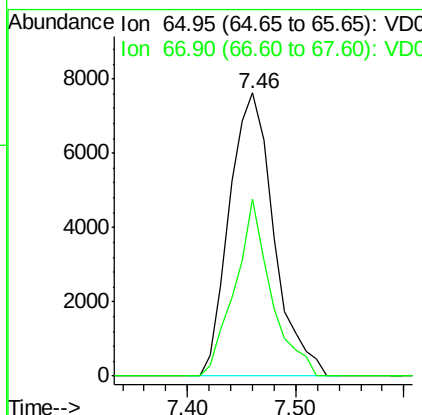
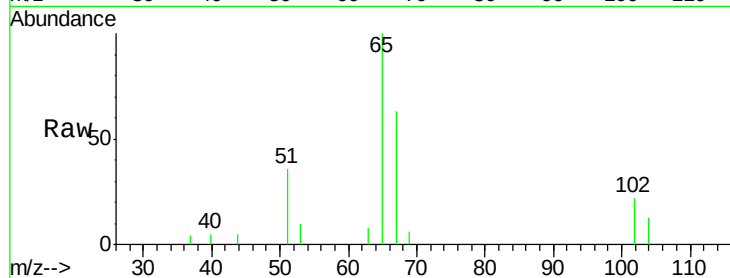




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.03 min
 Lab File: VD061420.D
 Acq: 29 Mar 2019 7:07

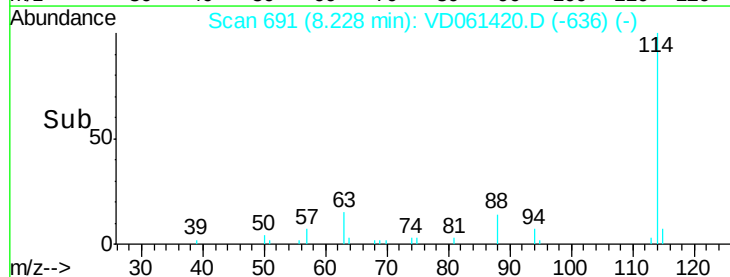
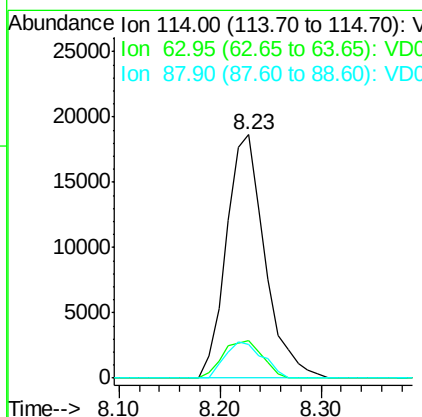
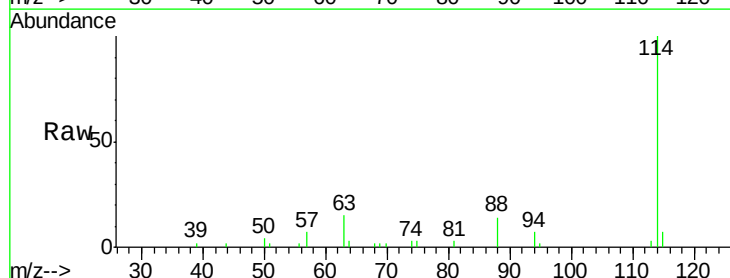
Instrument :
 MSVOA_D
 ClientSampleId :

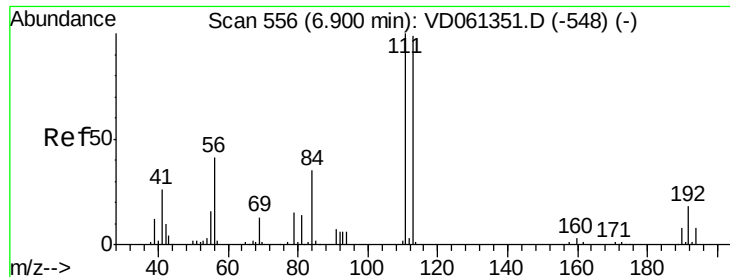
Tot Ion: 65 Resp: 21722
 Ion Ratio Lower Upper
 65 100
 67 62.8 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.04 min
 Lab File: VD061420.D
 Acq: 29 Mar 2019 7:07

Tgt Ion: 114 Resp: 49289
 Ion Ratio Lower Upper
 114 100
 63 15.3 0.0 31.6
 88 13.6 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: VD061420.D

Acq: 29 Mar 2019 7:07

Instrument :

MSVOA_D

ClientSampleId :

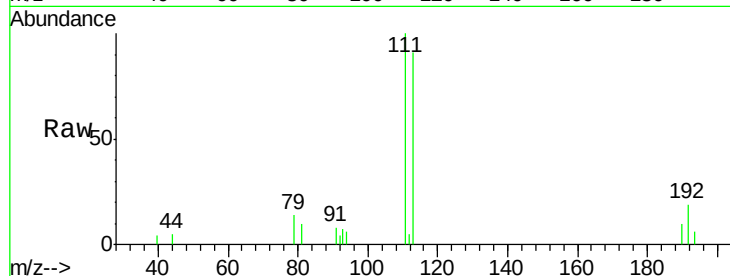
Tot Ion:113 Resp: 24044

Ion Ratio Lower Upper

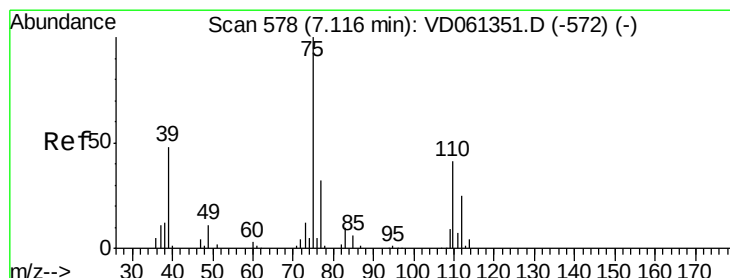
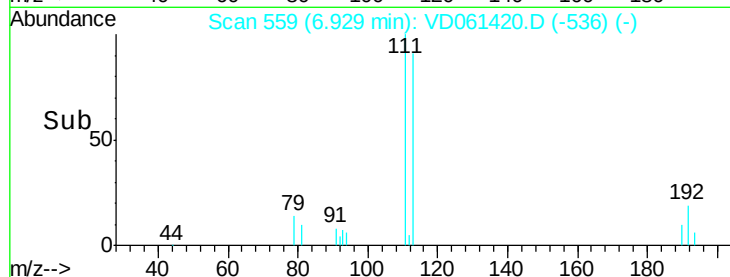
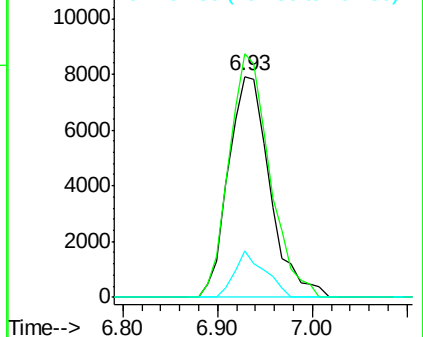
113 100

111 110.1 81.0 121.6

192 20.9 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: 1.532 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.06 min

Lab File: VD061420.D

Acq: 29 Mar 2019 7:07

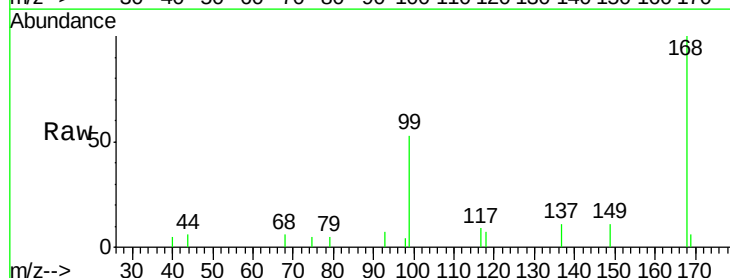
Tgt Ion: 75 Resp: 659

Ion Ratio Lower Upper

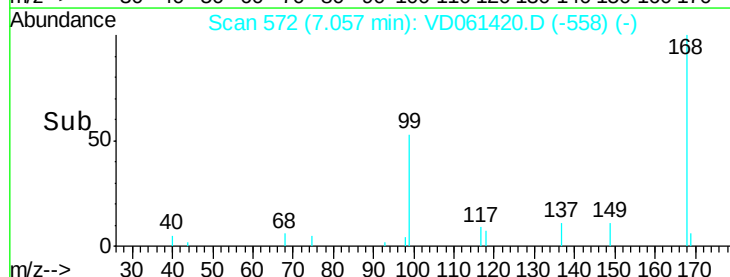
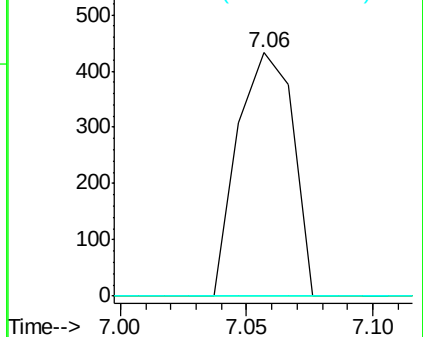
75 100

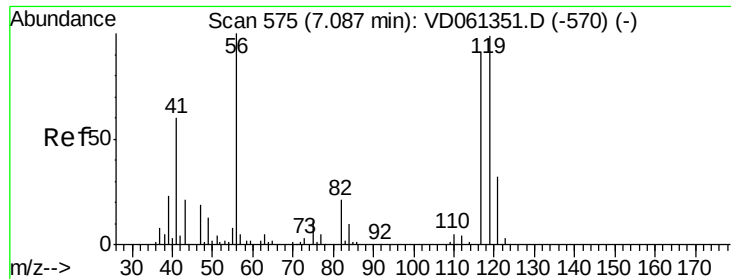
110 0.0 20.4 61.3#

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: 4.054 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.03 min

Lab File: VD061420.D

Acq: 29 Mar 2019 7:07

Instrument :

MSVOA_D

ClientSampleId :

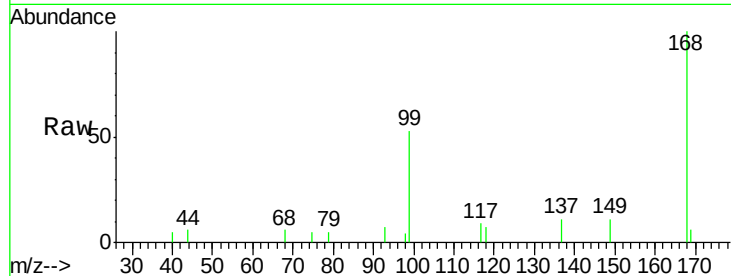
Tot Ion:117 Resp: 2004

Ion Ratio Lower Upper

117 100

119 0.0 80.1 120.1#

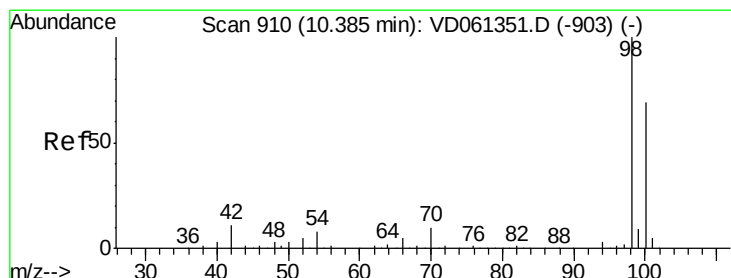
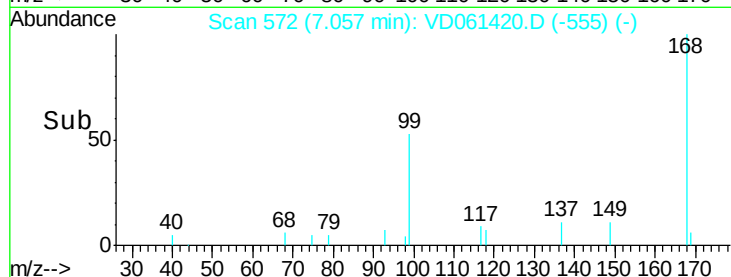
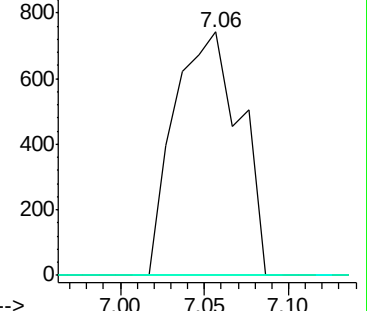
121 0.0 25.6 38.4#



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: 10.41 min Scan# 913

Delta R.T. 0.03 min

Lab File: VD061420.D

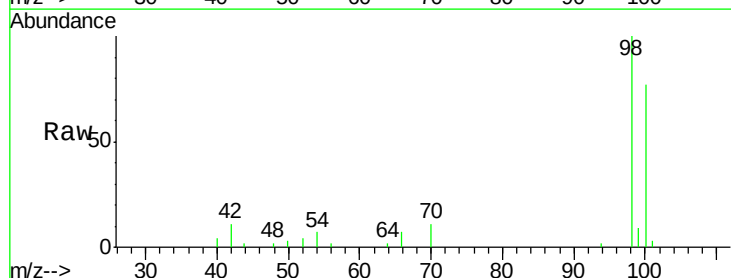
Acq: 29 Mar 2019 7:07

Tgt Ion: 98 Resp: 50175

Ion Ratio Lower Upper

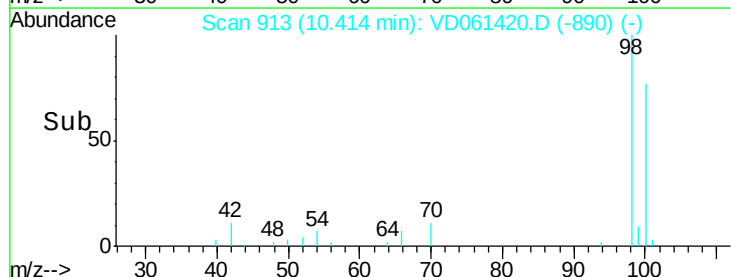
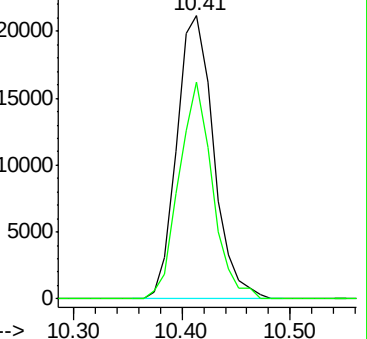
98 100

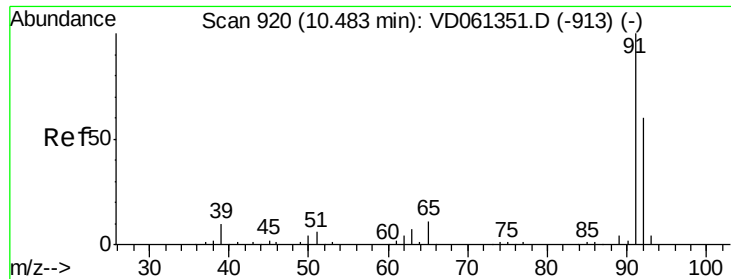
100 76.6 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 1.114 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.03 min

Lab File: VD061420.D

Acq: 29 Mar 2019 7:07

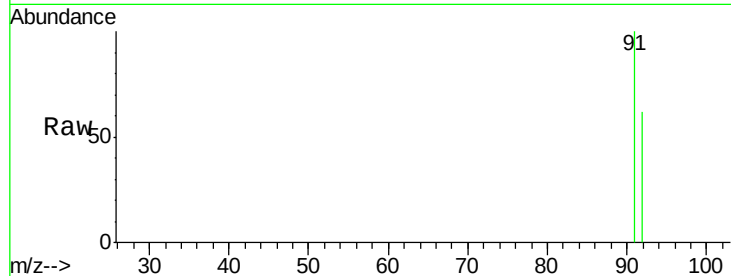
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 92 Resp: 734

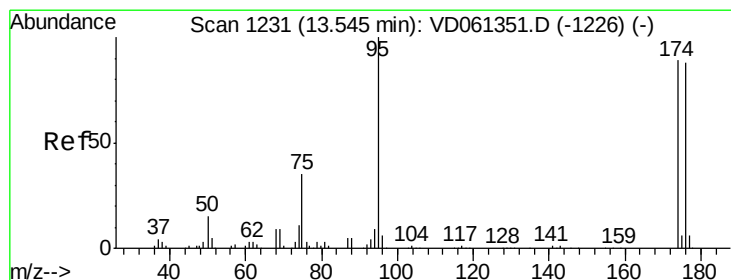
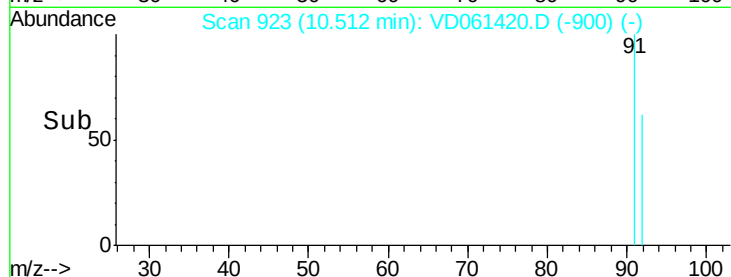
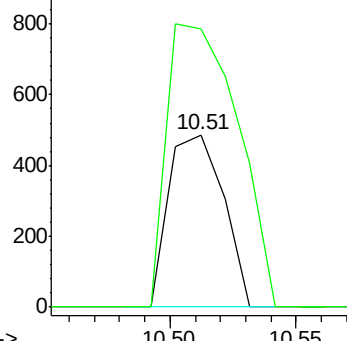
Ion Ratio Lower Upper

92 100

91 161.7 133.3 199.9



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: VD061420.D

Acq: 29 Mar 2019 7:07

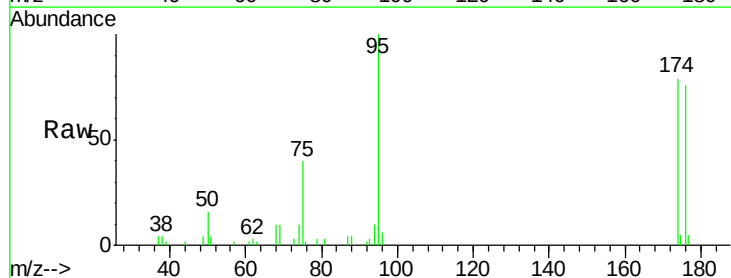
Tgt Ion: 95 Resp: 25879

Ion Ratio Lower Upper

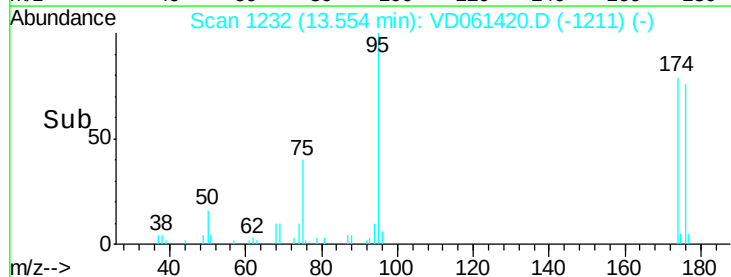
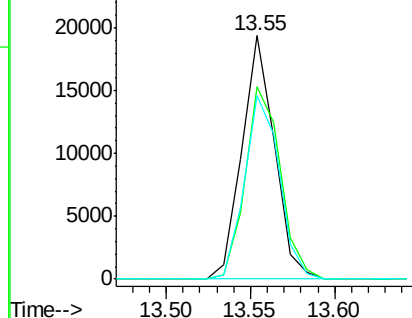
95 100

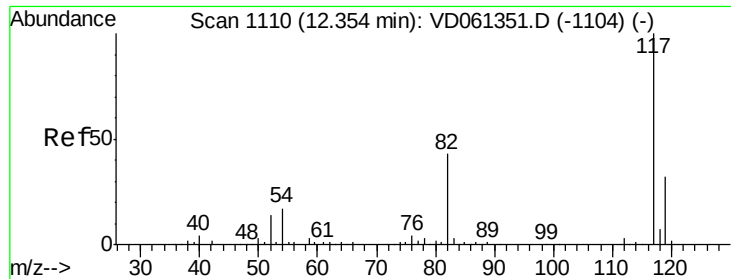
174 78.8 0.0 178.0

176 75.5 0.0 175.0



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

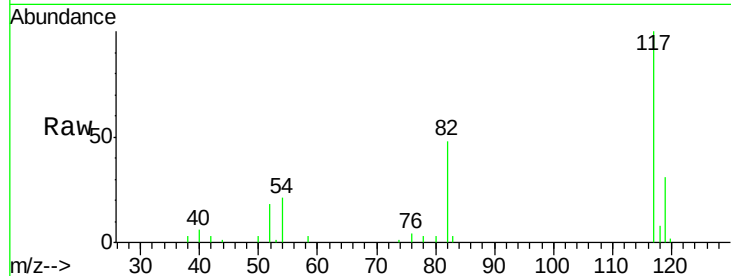




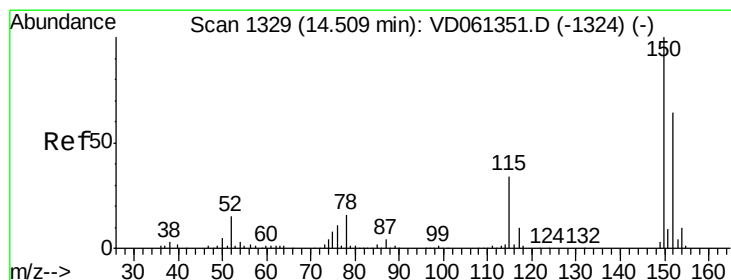
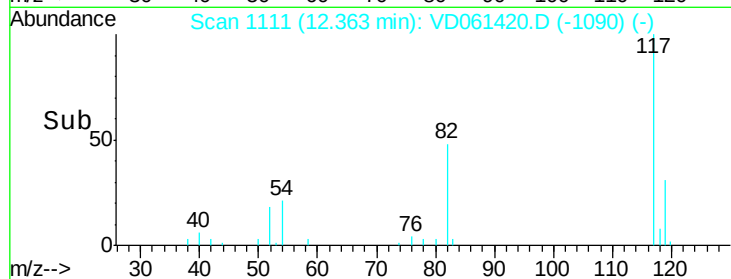
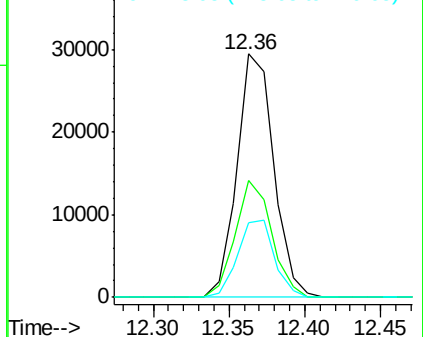
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD061420.D
Acq: 29 Mar 2019 7:07

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 49756
Ion Ratio Lower Upper
117 100
82 47.9 34.4 51.6
119 30.7 25.8 38.6

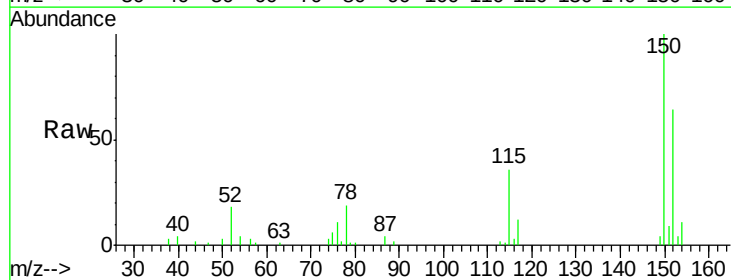


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

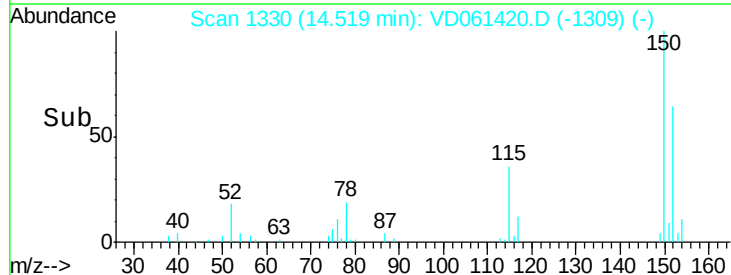
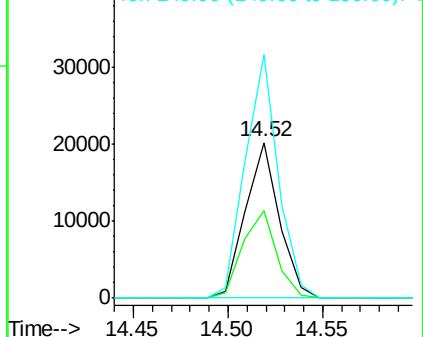


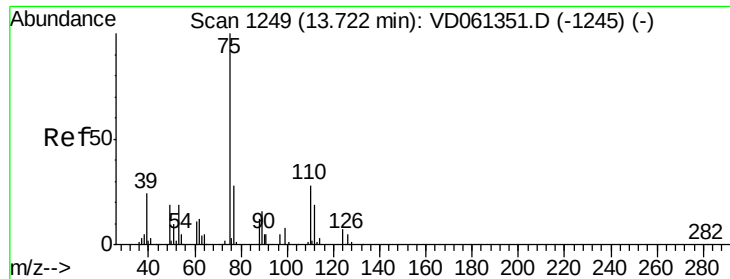
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD061420.D
Acq: 29 Mar 2019 7:07

Tgt Ion:152 Resp: 25077
Ion Ratio Lower Upper
152 100
115 56.0 26.9 80.6
150 156.3 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

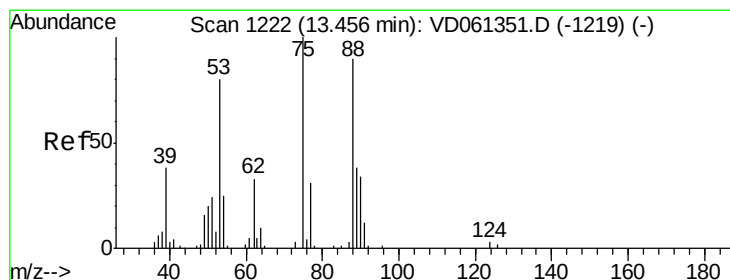
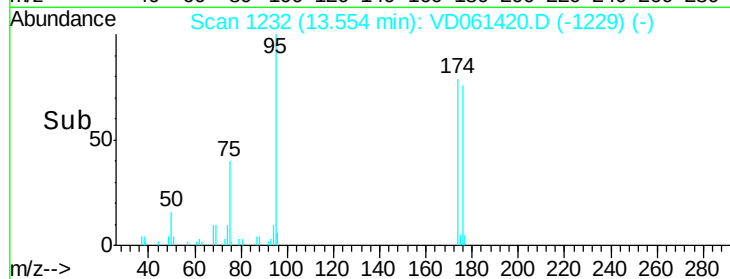
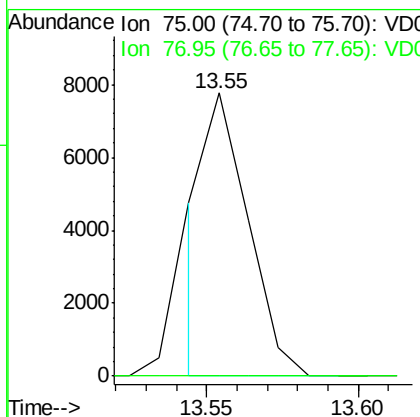
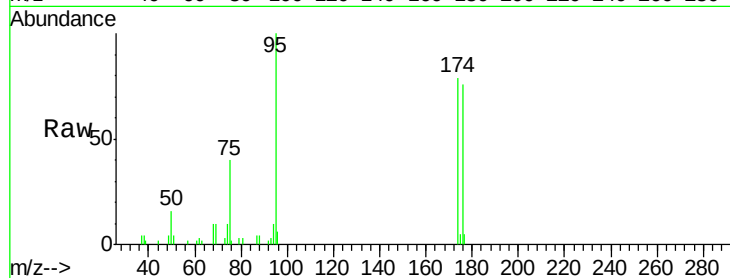




#76
 1,2,3-Trichloropropane
 Concen: 20.906 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.17 min
 Lab File: VD061420.D
 Acq: 29 Mar 2019 7:07

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 75 Resp: 7573
 Ion Ratio Lower Upper
 75 100
 77 0.0 16.2 48.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.706 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.10 min
 Lab File: VD061420.D
 Acq: 29 Mar 2019 7:07

Tgt Ion: 75 Resp: 10681
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.8 95.8#
 89 0.0 30.5 45.7#

