

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041219\NOT REVIEWED DATA\
 Data File : VD061779.D
 Acq On : 12 Apr 2019 15:37
 Operator : VA/AP
 Sample : K2200-05RE
 Misc : 6.65u/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

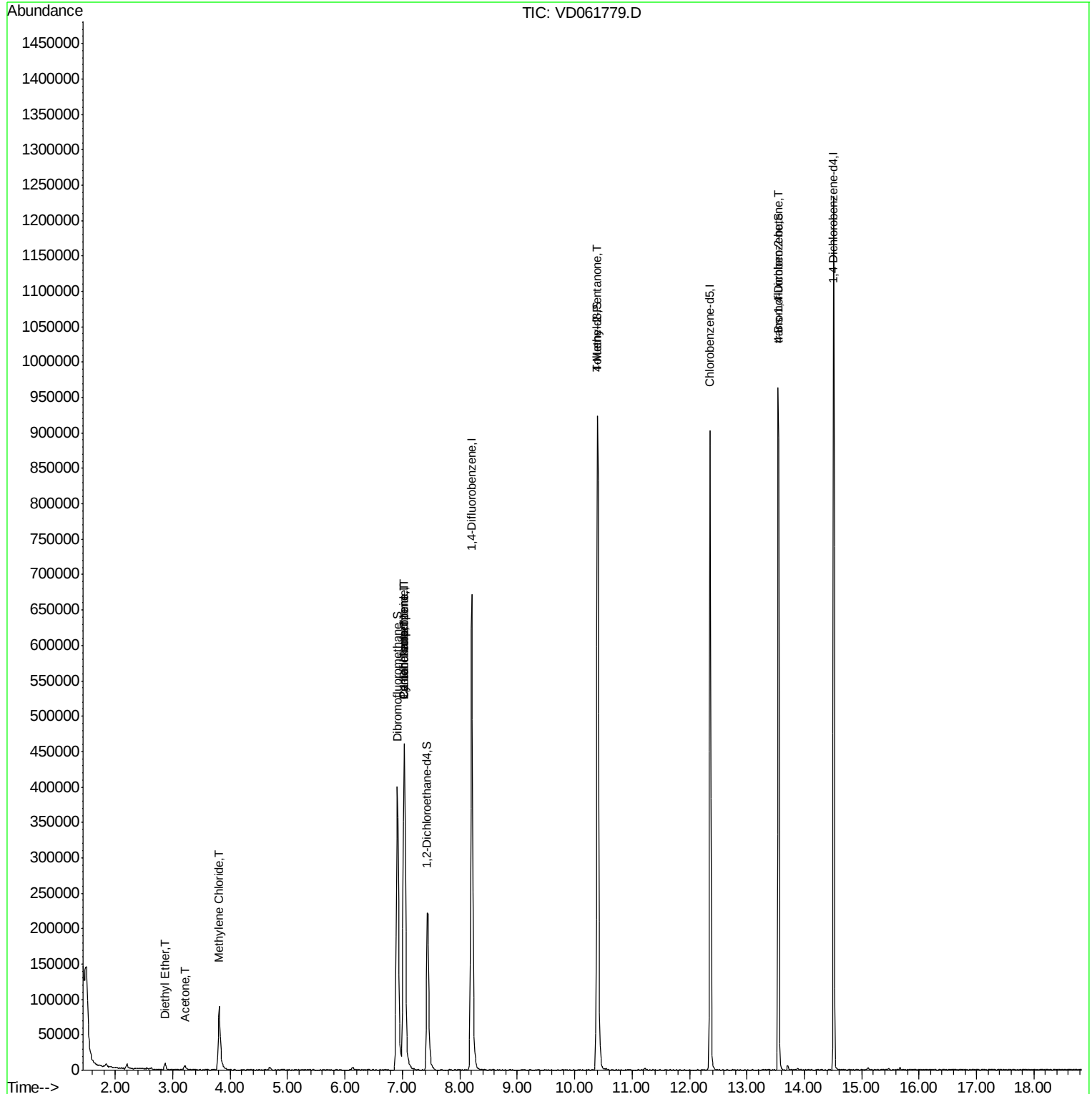
Instrument :
 MSVOA_D
 ClientSampleId :

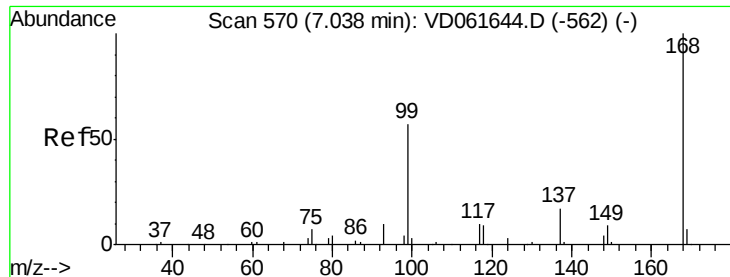
Quant Time: Apr 13 00:45:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	495106	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	796837	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	619008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	275215	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	238391	63.52	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	127.04%	
35) Dibromofluoromethane	6.91	113	372600	67.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	135.00%	
50) Toluene-d8	10.40	98	802240	57.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.68%	
62) 4-Bromofluorobenzene	13.55	95	327487	74.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	149.18%	
Target Compounds						
8) Diethyl Ether	2.86	74	3793	2.219	ug/l	89
16) Acetone	3.22	43	13153	11.724	ug/l #	85
20) Methylene Chloride	3.81	84	67632	10.624	ug/l	97
31) Cyclohexane	7.03	56	7982	1.130	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	35722	5.122	ug/l #	46
38) Carbon Tetrachloride	7.04	117	48141	5.890	ug/l #	14
51) 4-Methyl-2-Pentanone	10.40	43	2896	1.188	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	123678	108.850	ug/l #	20

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

Quant Time: Apr 13 00:45:36 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD061779.D

Acq: 12 Apr 2019 15:37

Instrument :

MSVOA_D

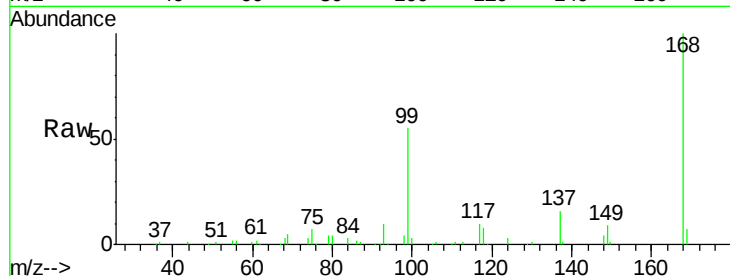
ClientSampleId :

Tot Ion:168 Resp: 495106

Ion Ratio Lower Upper

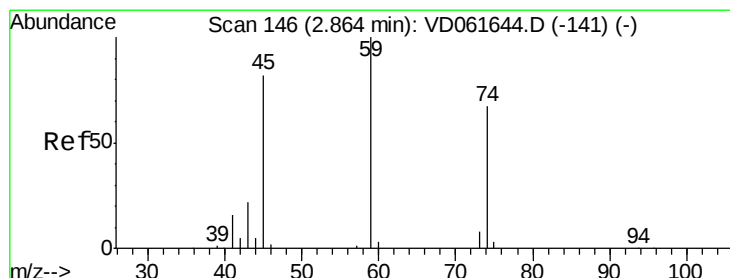
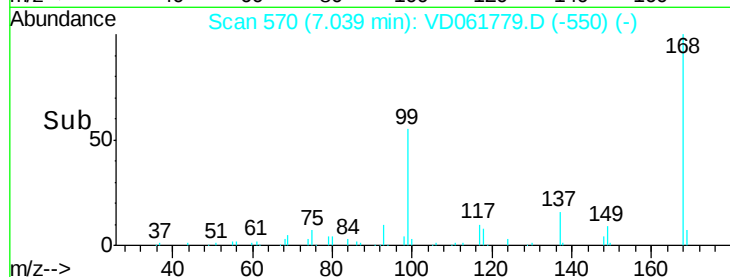
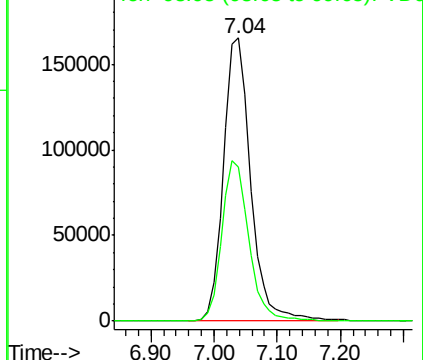
168 100

99 54.6 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 2.219 ug/l

RT: 2.86 min Scan# 146

Delta R.T. 0.00 min

Lab File: VD061779.D

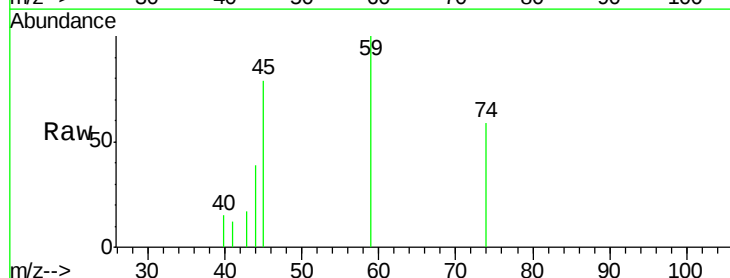
Acq: 12 Apr 2019 15:37

Tgt Ion: 74 Resp: 3793

Ion Ratio Lower Upper

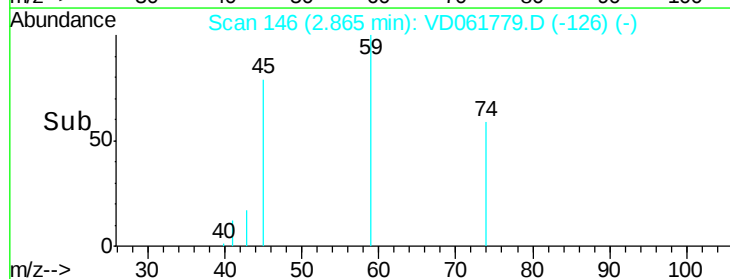
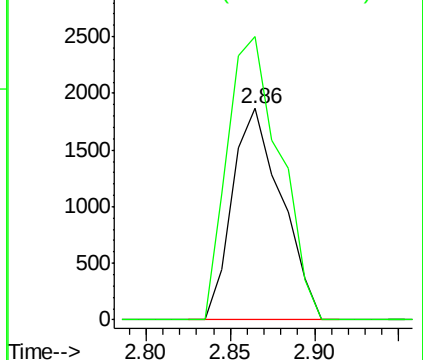
74 100

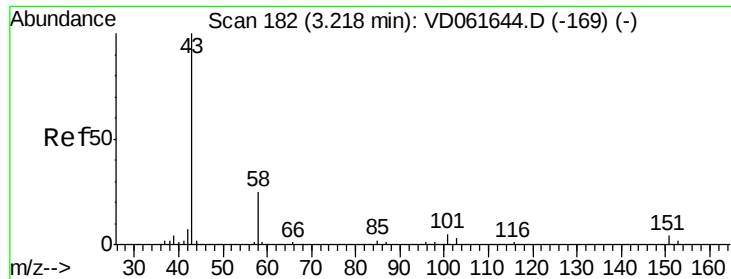
45 134.1 61.0 183.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#16

Acetone

Concen: 11.724 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD061779.D

Acq: 12 Apr 2019 15:37

Instrument :

MSVOA_D

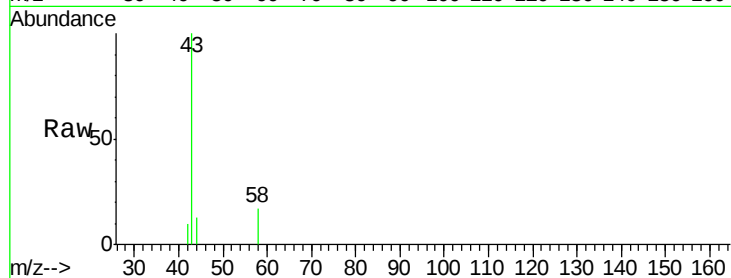
ClientSampleId :

Tot Ion: 43 Resp: 13153

Ion Ratio Lower Upper

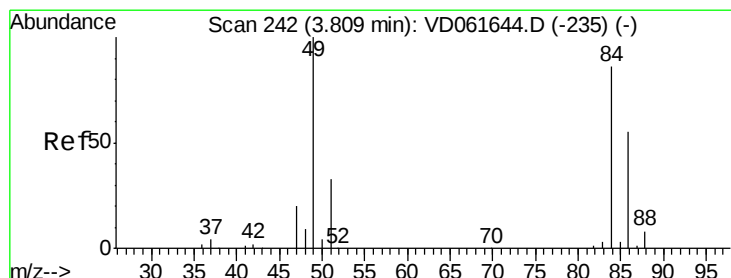
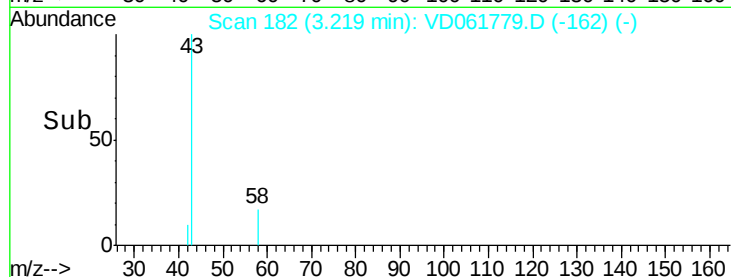
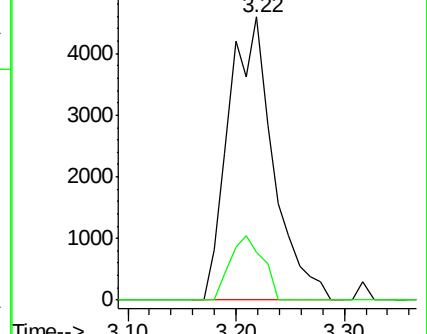
43 100

58 17.0 19.7 29.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 10.624 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.00 min

Lab File: VD061779.D

Acq: 12 Apr 2019 15:37

Tgt Ion: 84 Resp: 67632

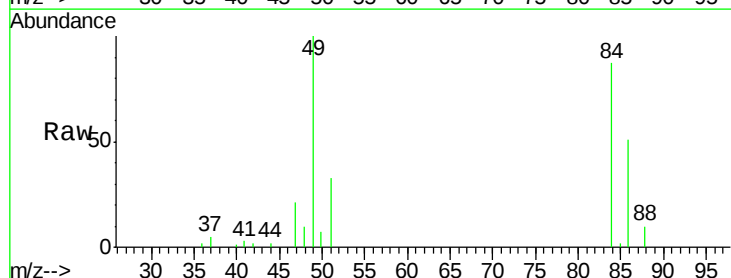
Ion Ratio Lower Upper

84 100

49 114.6 93.0 139.4

51 37.7 30.4 45.6

86 58.8 51.0 76.4

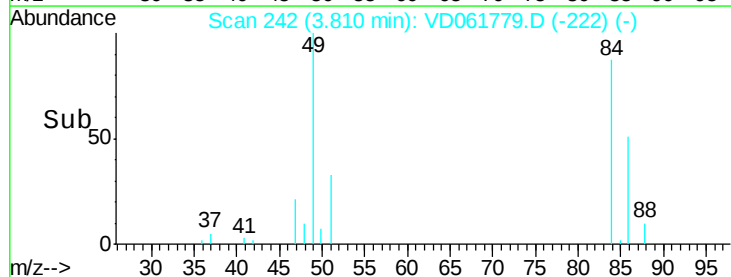
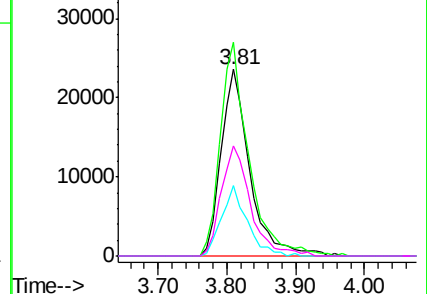


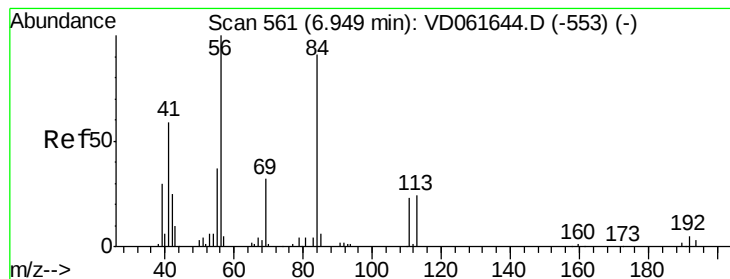
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#31

Cyclohexane

Concen: 1.130 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.08 min

Lab File: VD061779.D

Acq: 12 Apr 2019 15:37

Instrument :
MSVOA_D
ClientSampleId :

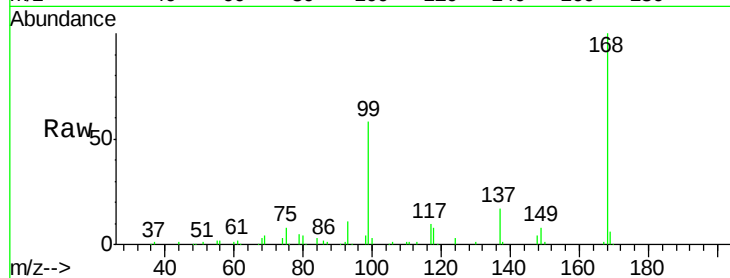
Tot Ion: 56 Resp: 7982

Ion Ratio Lower Upper

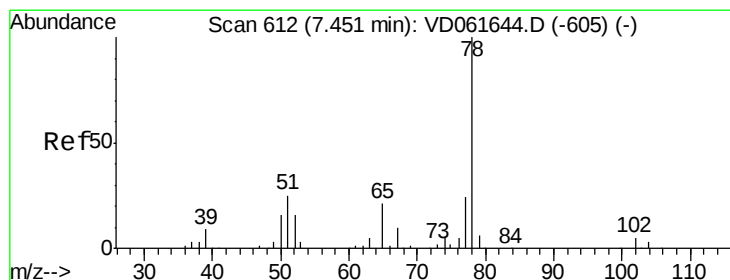
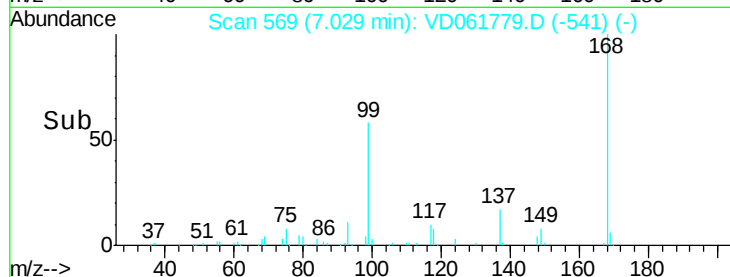
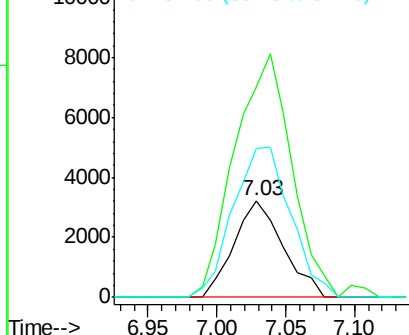
56 100

69 217.4 25.8 38.6#

84 153.7 74.2 111.2#



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: 7.43 min Scan# 610

Delta R.T. -0.02 min

Lab File: VD061779.D

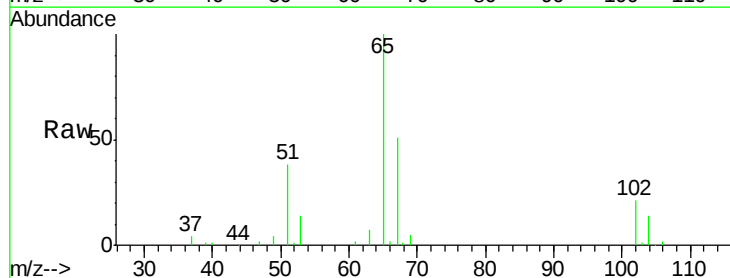
Acq: 12 Apr 2019 15:37

Tgt Ion: 65 Resp: 238391

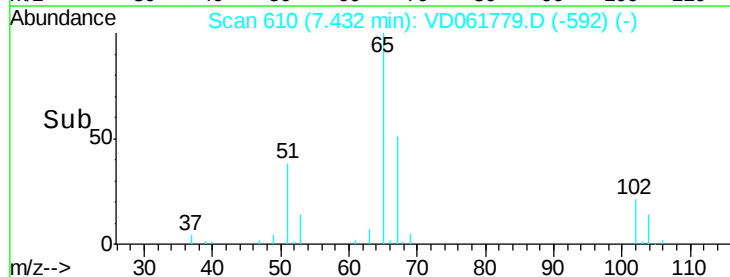
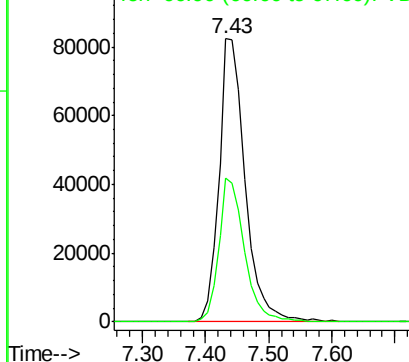
Ion Ratio Lower Upper

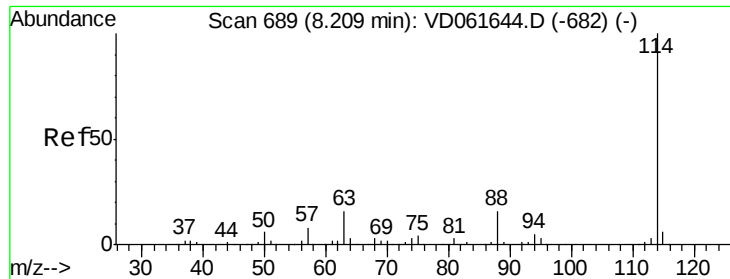
65 100

67 51.0 0.0 99.4



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: 8.21 min Scan# 689

Delta R.T. 0.00 min

Lab File: VD061779.D

Acq: 12 Apr 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

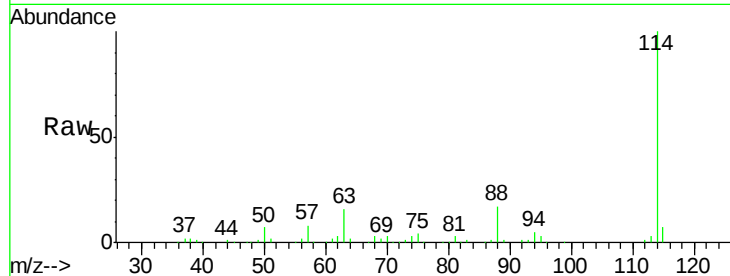
Tot Ion:114 Resp: 796837

Ion Ratio Lower Upper

114 100

63 15.8 0.0 31.2

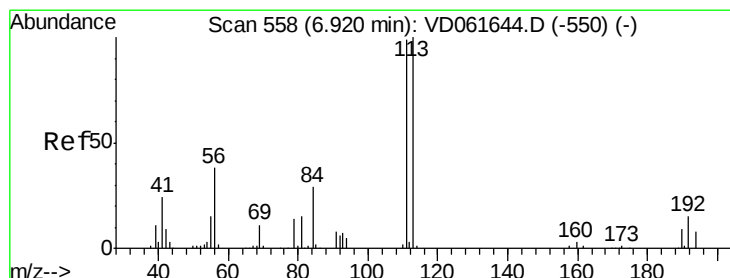
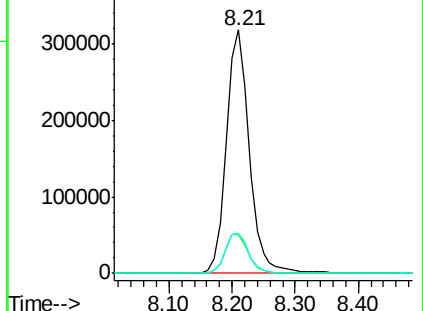
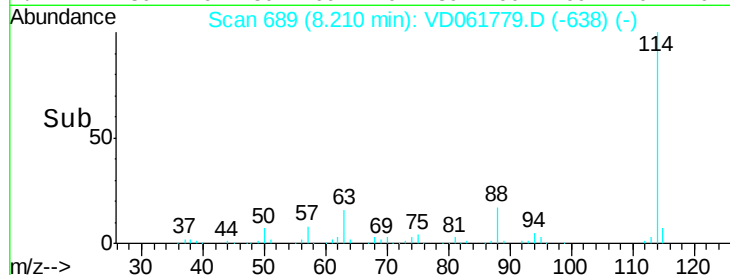
88 16.7 0.0 31.8



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: 6.91 min Scan# 557

Delta R.T. -0.01 min

Lab File: VD061779.D

Acq: 12 Apr 2019 15:37

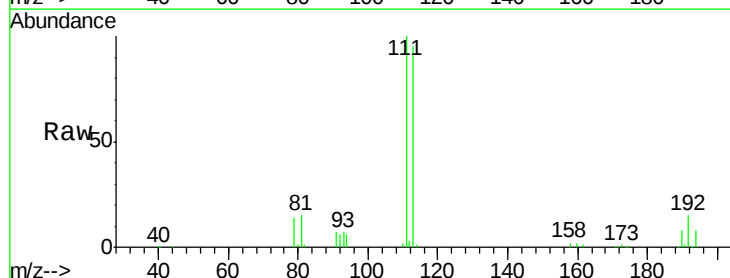
Tgt Ion:113 Resp: 372600

Ion Ratio Lower Upper

113 100

111 104.8 79.3 118.9

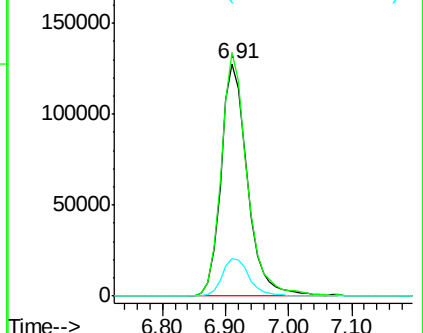
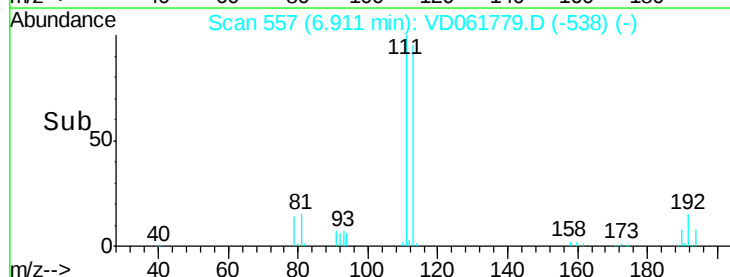
192 16.1 12.3 18.5

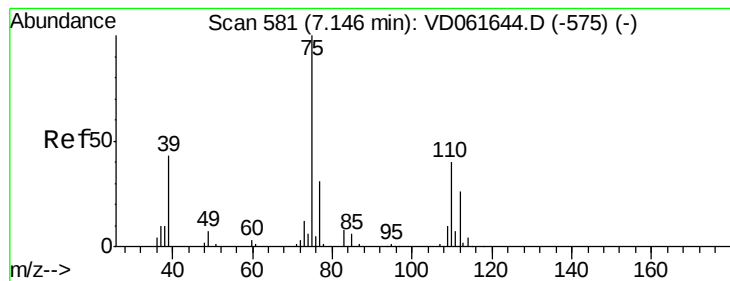


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.122 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.12 min

Lab File: VD061779.D

Acq: 12 Apr 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

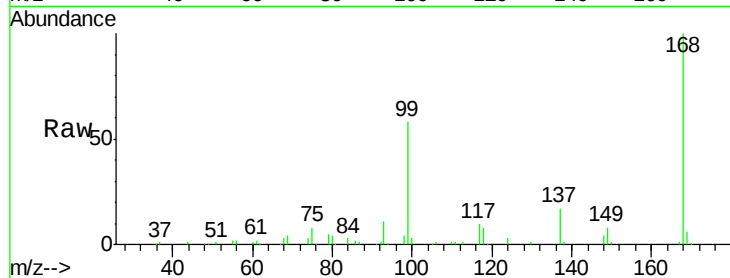
Tot Ion: 75 Resp: 35722

Ion Ratio Lower Upper

75 100

110 7.2 19.7 59.0#

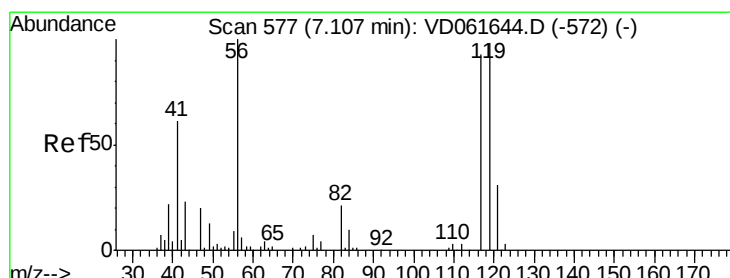
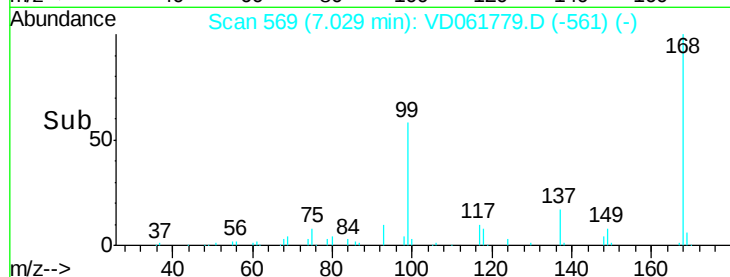
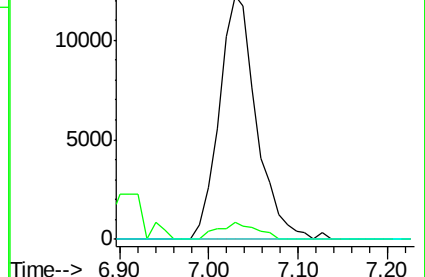
77 0.0 24.8 37.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#38

Carbon Tetrachloride

Concen: 5.890 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.07 min

Lab File: VD061779.D

Acq: 12 Apr 2019 15:37

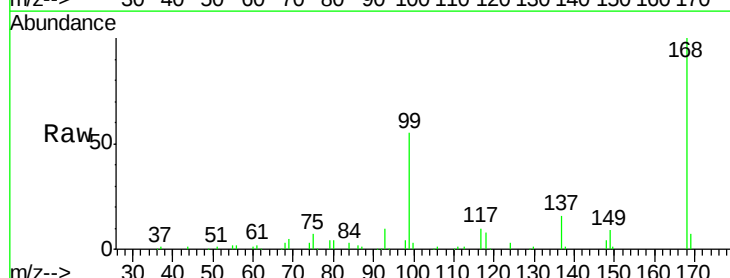
Tgt Ion: 117 Resp: 48141

Ion Ratio Lower Upper

117 100

119 3.7 77.9 116.9#

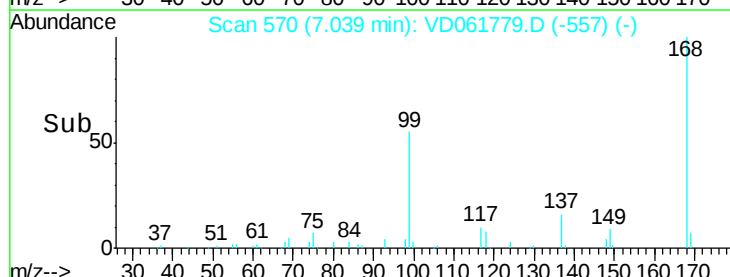
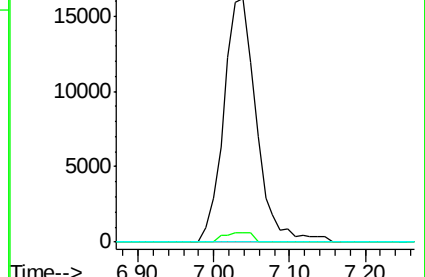
121 0.0 24.7 37.1#

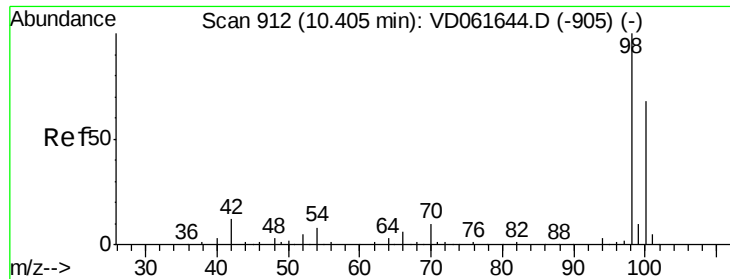


Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 118.85 (118.55 to 119.55): VDC

Ion 120.85 (120.55 to 121.55): VDC

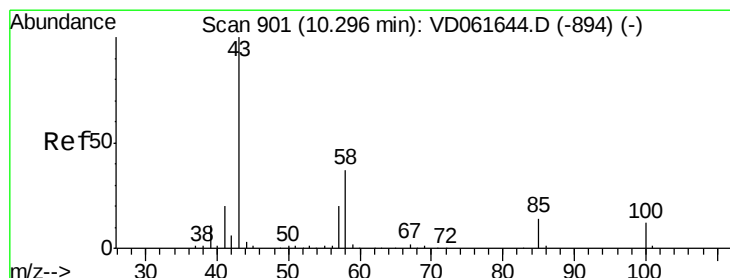
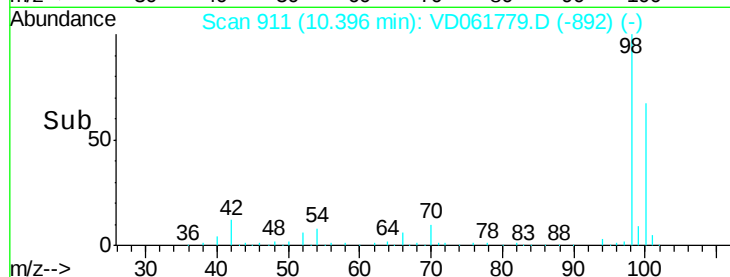
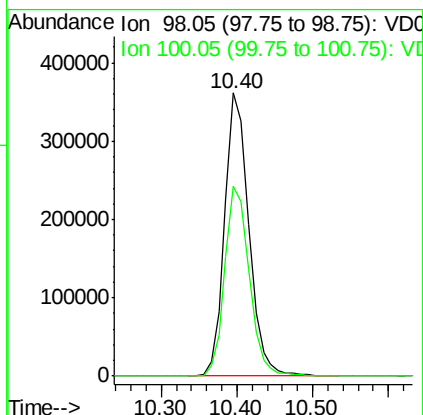
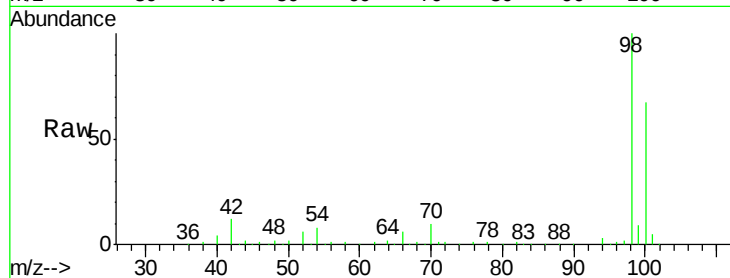




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD061779.D
Acq: 12 Apr 2019 15:37

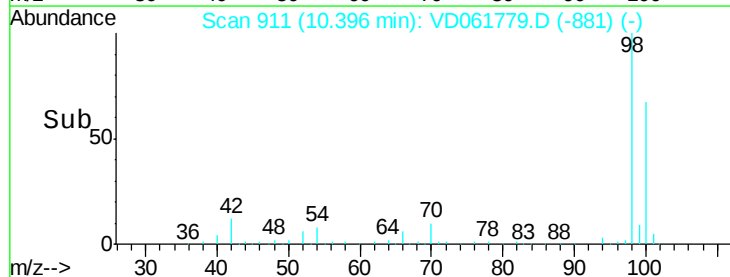
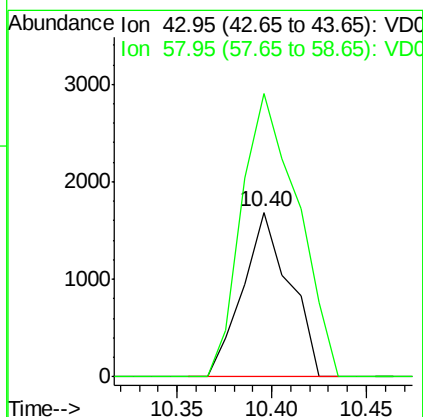
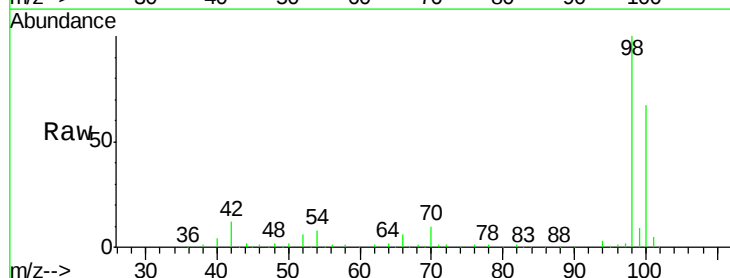
Instrument :
MSVOA_D
ClientSampleId :

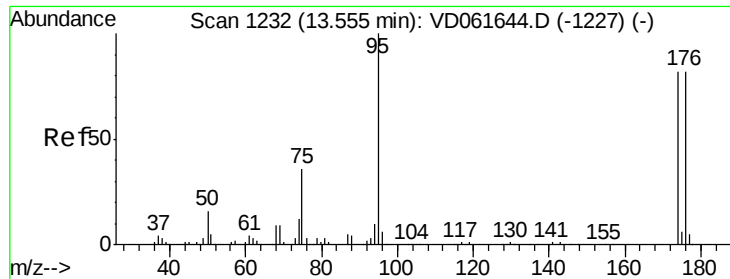
Tot Ion: 98 Resp: 802240
Ion Ratio Lower Upper
98 100
100 67.3 55.4 83.0



#51
4-Methyl-2-Pentanone
Concen: 1.188 ug/l
RT: 10.40 min Scan# 911
Delta R.T. 0.10 min
Lab File: VD061779.D
Acq: 12 Apr 2019 15:37

Tgt Ion: 43 Resp: 2896
Ion Ratio Lower Upper
43 100
58 172.2 29.8 44.8#





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD061779.D

Acq: 12 Apr 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

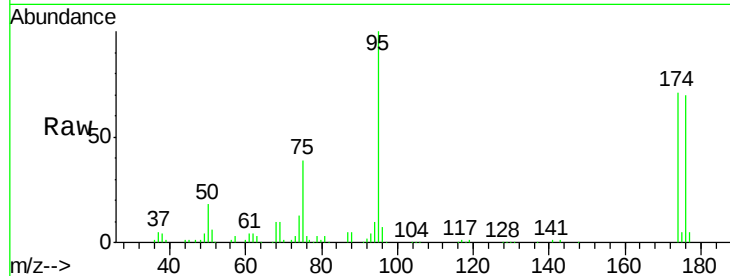
Tot Ion: 95 Resp: 327487

Ion Ratio Lower Upper

95 100

174 70.7 0.0 164.6

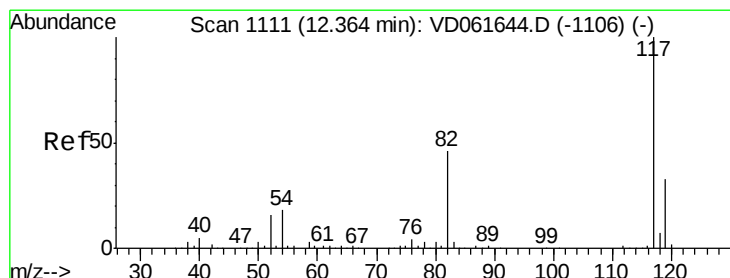
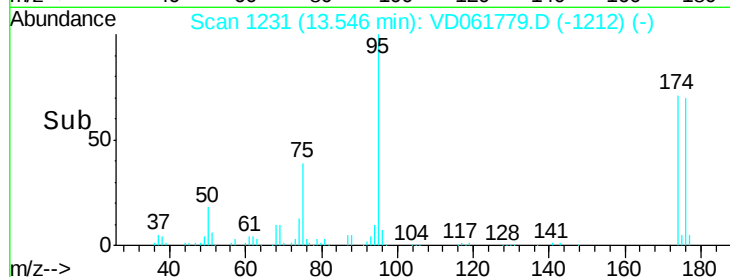
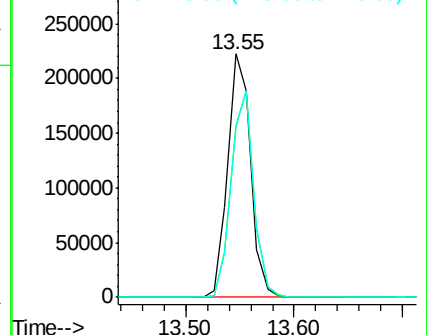
176 70.0 0.0 165.0



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: 12.36 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD061779.D

Acq: 12 Apr 2019 15:37

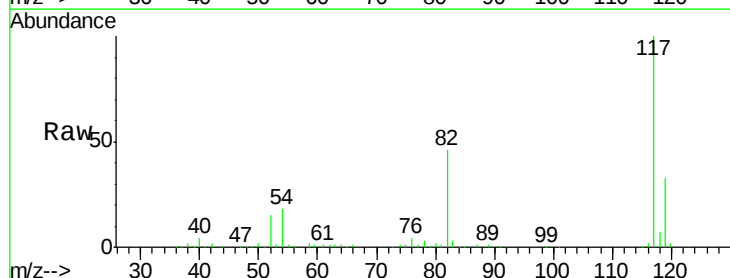
Tgt Ion: 117 Resp: 619008

Ion Ratio Lower Upper

117 100

82 45.6 36.8 55.2

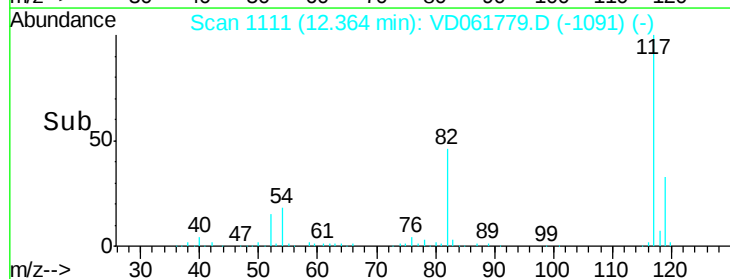
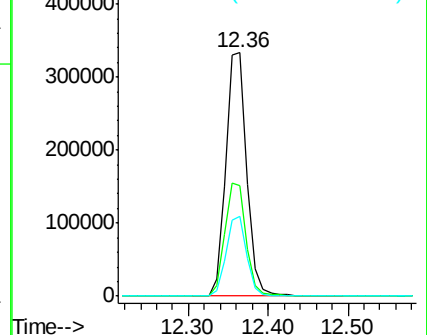
119 32.8 26.1 39.1

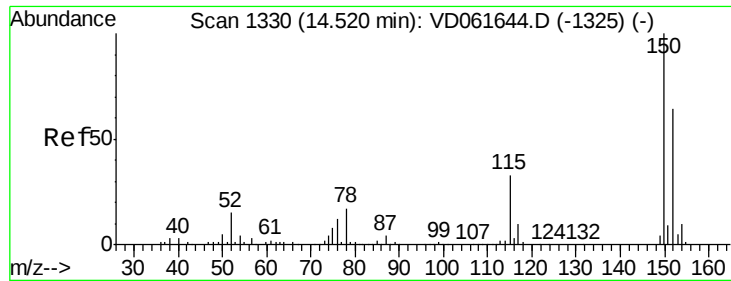


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



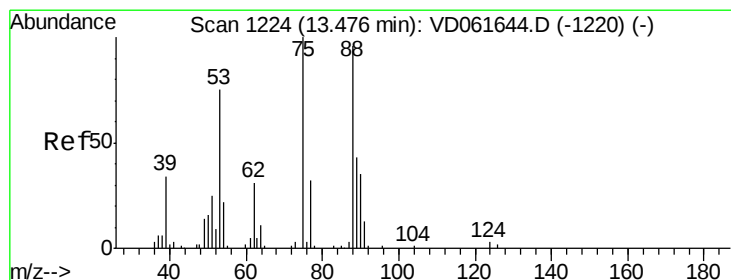
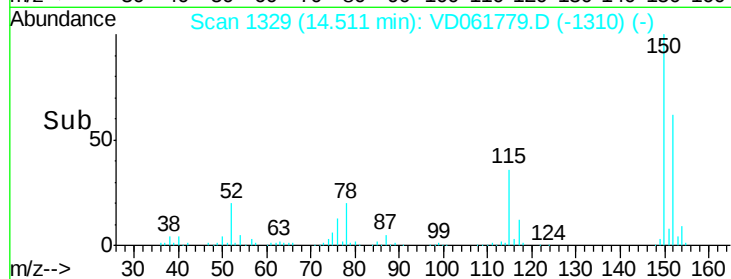
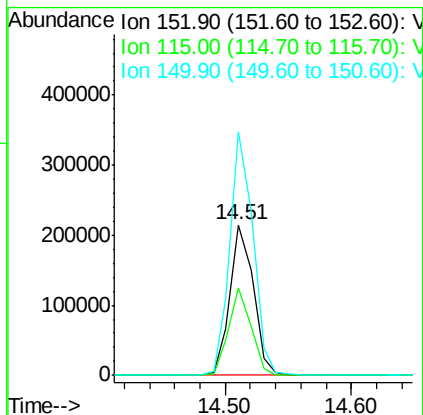
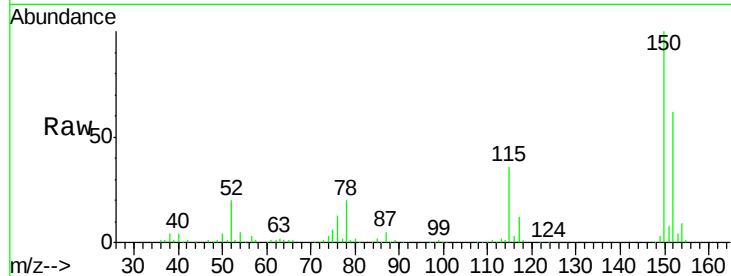


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD061779.D
Acq: 12 Apr 2019 15:37

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:152 Resp: 275215
Ion Ratio Lower Upper
152 100
115 58.1 26.4 79.2
150 161.7 0.0 320.6



#81

trans-1,4-Dichloro-2-butene
Concen: 108.850 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. 0.07 min
Lab File: VD061779.D
Acq: 12 Apr 2019 15:37

Tgt Ion: 75 Resp: 123678
Ion Ratio Lower Upper
75 100
53 0.0 60.2 90.2#
89 0.0 34.2 51.2#

