

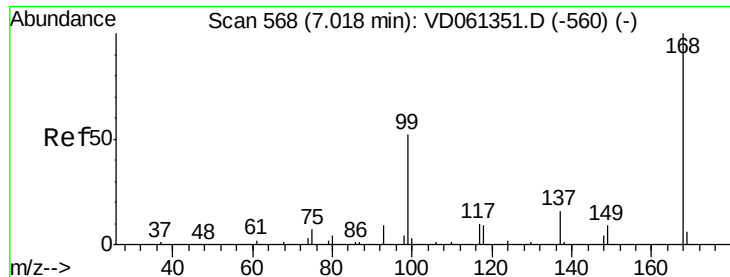
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040319\
 Data File : VD061571.D
 Acq On : 3 Apr 2019 22:30
 Operator : VA/AP
 Sample : K2190-01RE
 Misc : 5.01µl/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 04 01:52:29 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	7.04	168	490228	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	795126	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.35	117	593192	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	247310	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	197682	47.20	ug/l	0.01
Spiked Amount 50.000			Recovery	=	94.40%	
35) Dibromofluoromethane	6.91	113	326509	53.74	ug/l	0.01
Spiked Amount 50.000			Recovery	=	107.48%	
50) Toluene-d8	10.39	98	665715	45.68	ug/l	0.01
Spiked Amount 50.000			Recovery	=	91.36%	
62) 4-Bromofluorobenzene	13.55	95	252500	45.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.36%	
Target Compounds						
					Qvalue	
16) Acetone	3.21	43	7710	7.162	ug/l #	87
20) Methylene Chloride	3.81	84	116871	18.157	ug/l	90
31) Cyclohexane	7.03	56	8162	1.132	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	35695	5.144	ug/l #	46
38) Carbon Tetrachloride	7.03	117	46496	5.831	ug/l #	14
40) Benzene	7.44	78	30609	1.757	ug/l	94
51) 4-Methyl-2-Pentanone	10.39	43	2955	1.125	ug/l #	1
52) Toluene	10.49	92	57702	5.431	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.55	75	96883	88.945	ug/l #	18

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.02 min

Lab File: VD061571.D

Acq: 3 Apr 2019 22:30

Instrument :

MSVOA_D

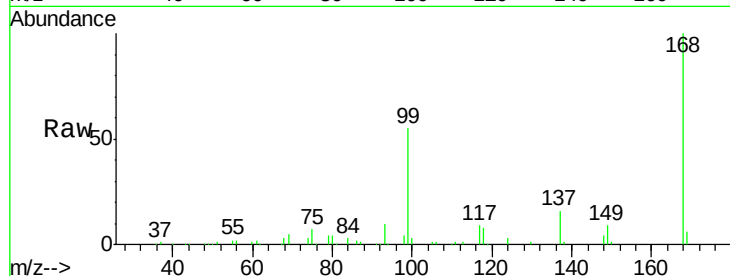
ClientSampleId :

Tot Ion:168 Resp: 490228

Ion Ratio Lower Upper

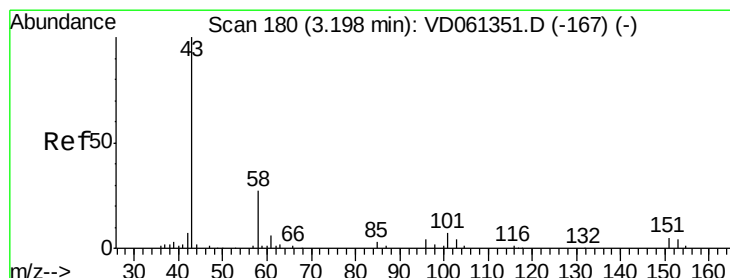
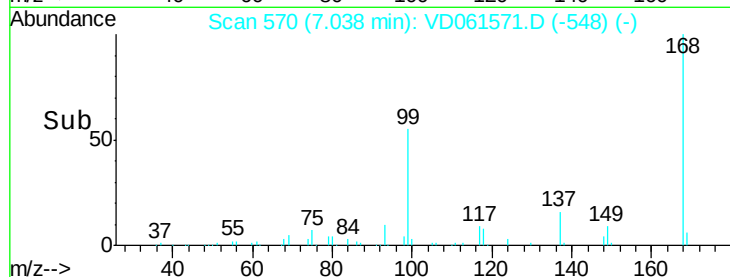
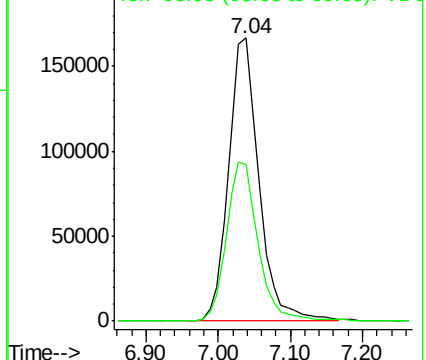
168 100

99 55.5 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 7.162 ug/l

RT: 3.21 min Scan# 181

Delta R.T. 0.01 min

Lab File: VD061571.D

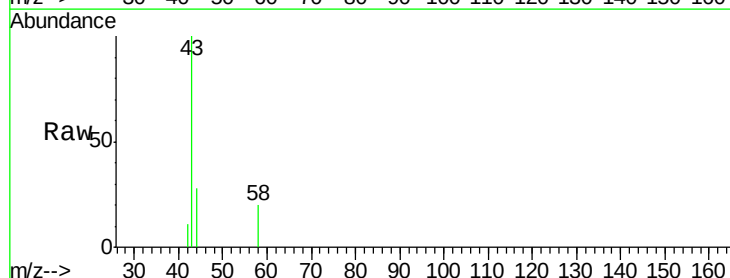
Acq: 3 Apr 2019 22:30

Tgt Ion: 43 Resp: 7710

Ion Ratio Lower Upper

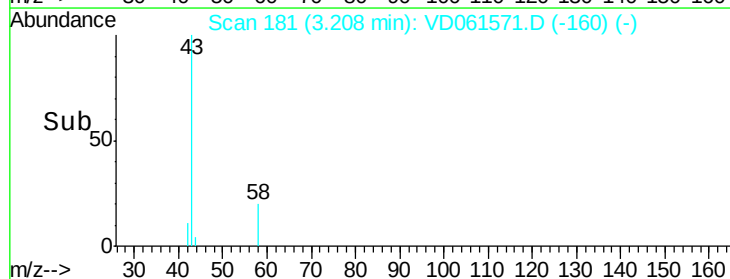
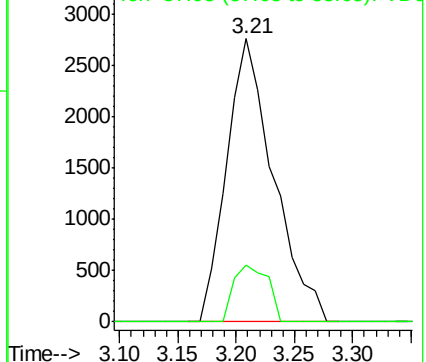
43 100

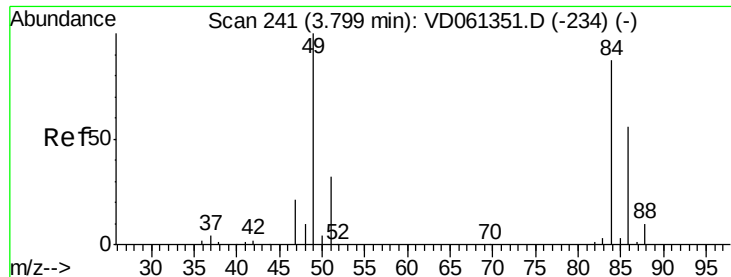
58 20.0 21.5 32.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

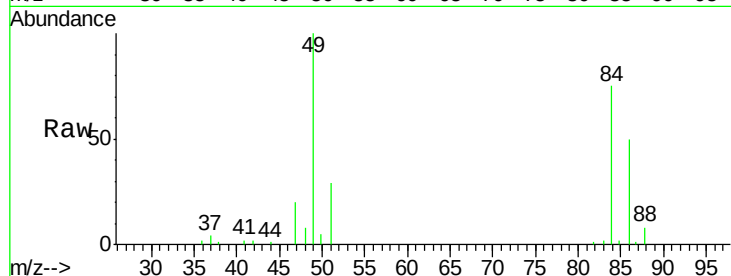




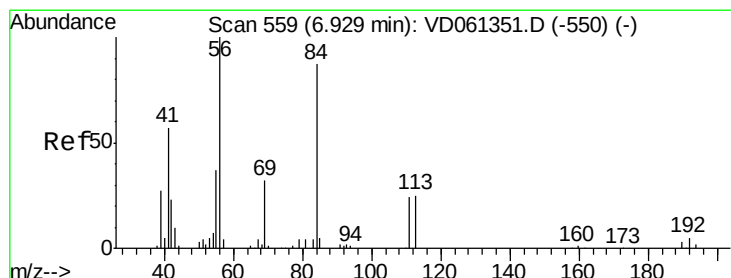
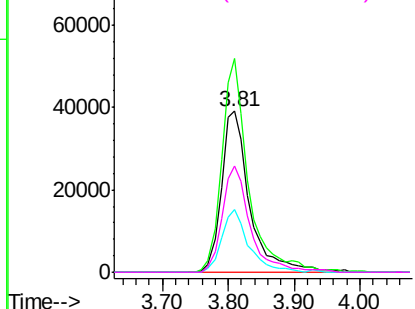
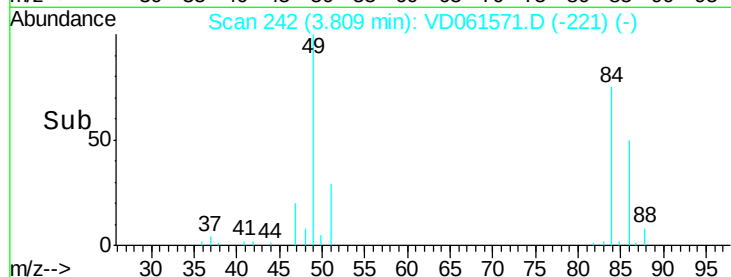
#20
Methylene Chloride
Concen: 18.157 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD061571.D
Acq: 3 Apr 2019 22:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 116871
Ion Ratio Lower Upper
84 100
49 132.7 91.8 137.8
51 39.0 29.8 44.8
86 66.0 51.8 77.6

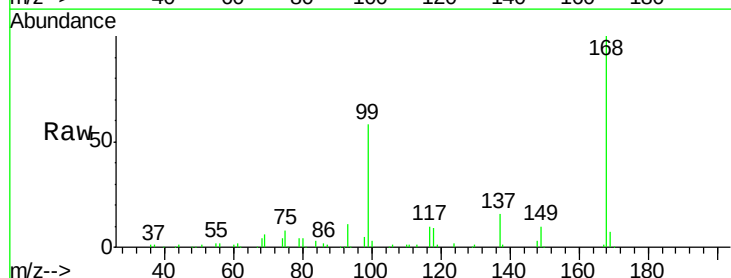


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

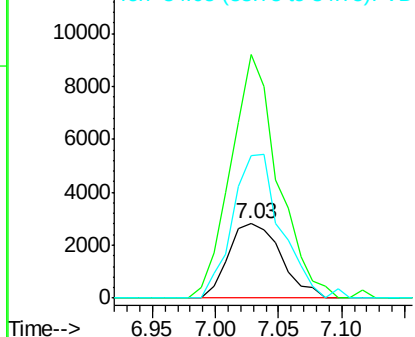
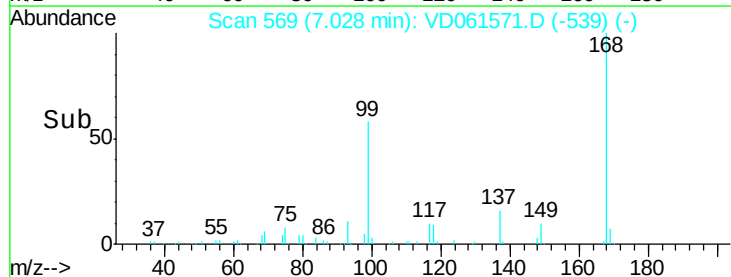


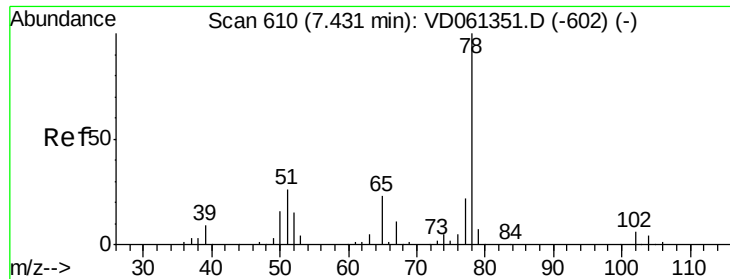
#31
Cyclohexane
Concen: 1.132 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.10 min
Lab File: VD061571.D
Acq: 3 Apr 2019 22:30

Tgt Ion: 56 Resp: 8162
Ion Ratio Lower Upper
56 100
69 328.0 25.7 38.5#
84 191.4 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

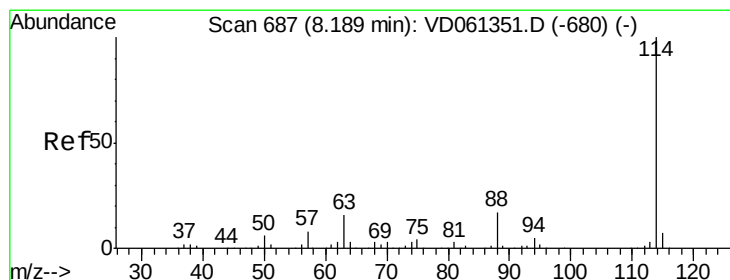
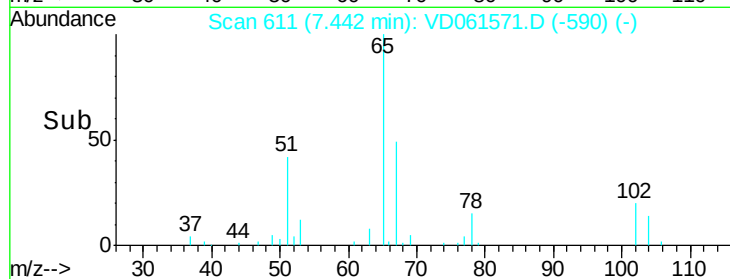
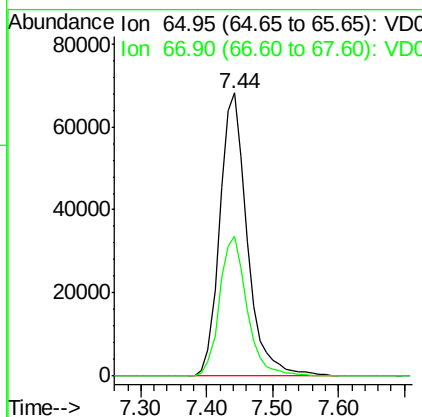
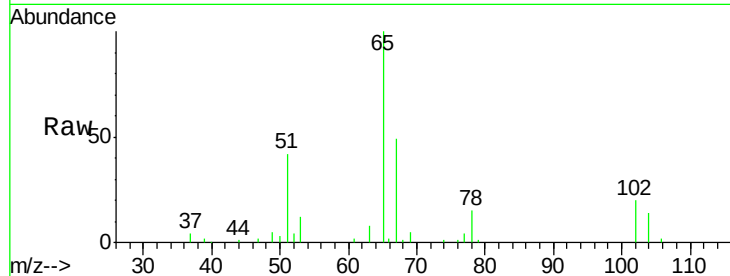




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. 0.01 min
 Lab File: VD061571.D
 Acq: 3 Apr 2019 22:30

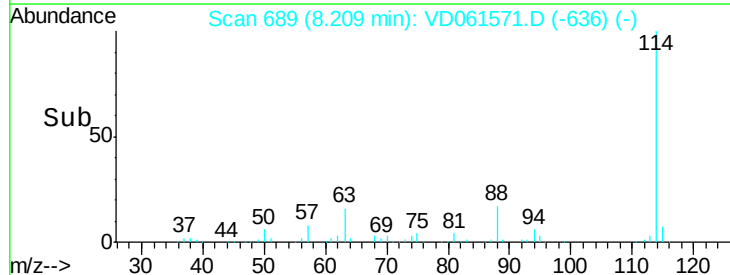
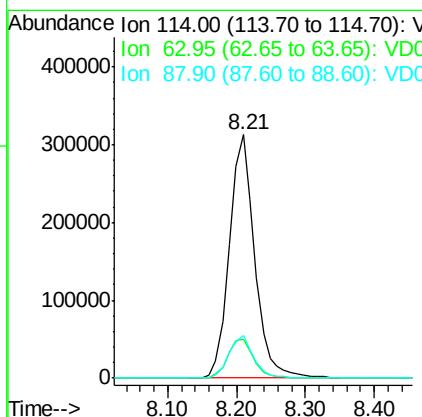
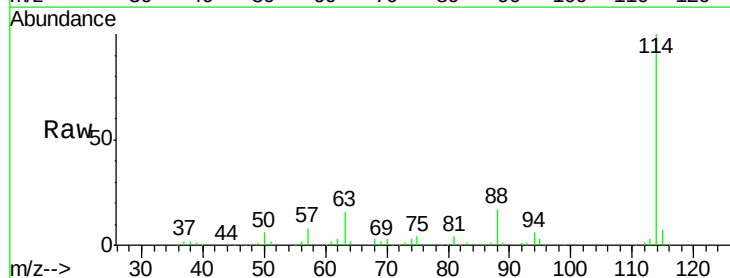
Instrument :
 MSVOA_D
 ClientSampleId :

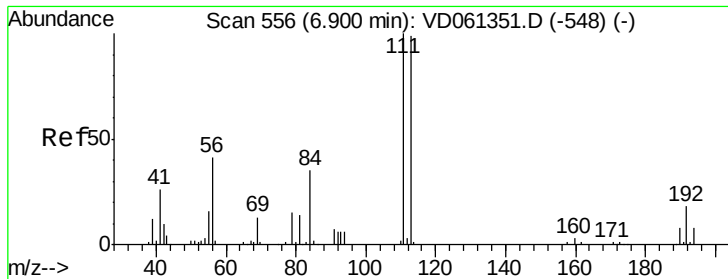
Tot Ion: 65 Resp: 197682
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.02 min
 Lab File: VD061571.D
 Acq: 3 Apr 2019 22:30

Tgt Ion: 114 Resp: 795126
 Ion Ratio Lower Upper
 114 100
 63 16.2 0.0 31.6
 88 17.3 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 557

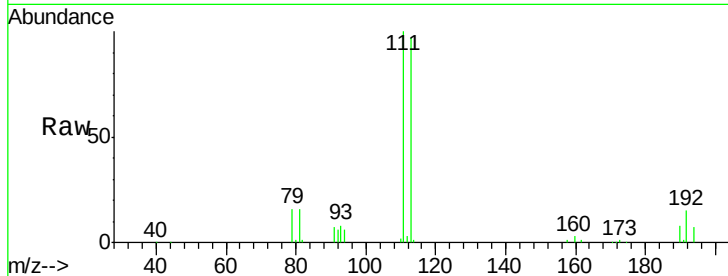
Delta R.T. 0.01 min

Lab File: VD061571.D

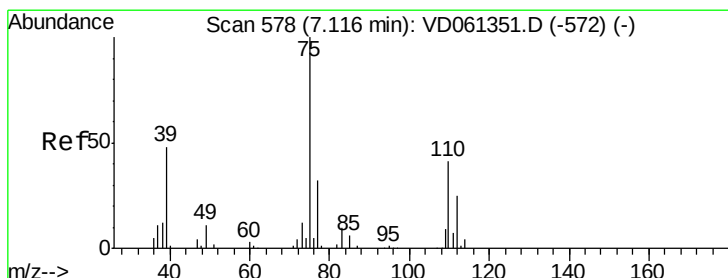
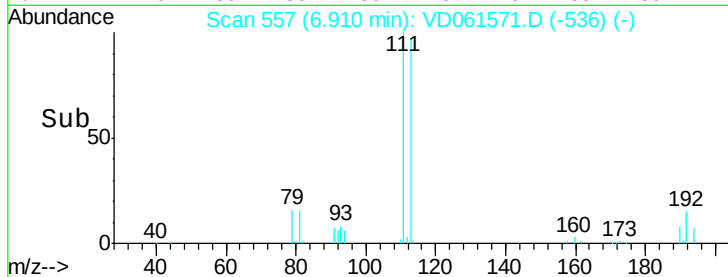
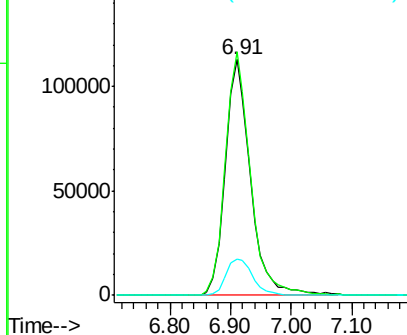
Acq: 3 Apr 2019 22:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	113	Resp:	326509
Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.0	121.6
192	15.1	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: 5.144 ug/l

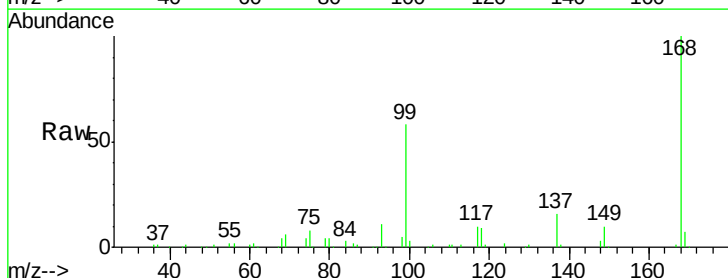
RT: 7.03 min Scan# 569

Delta R.T. -0.09 min

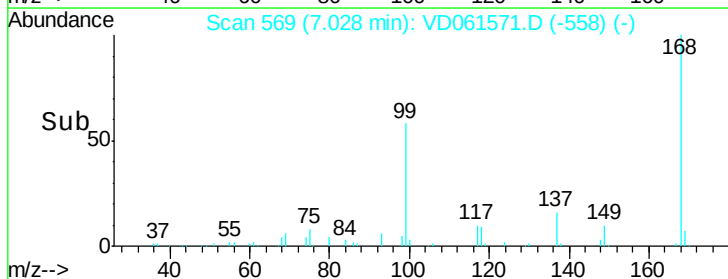
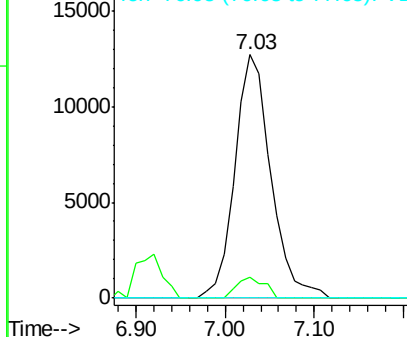
Lab File: VD061571.D

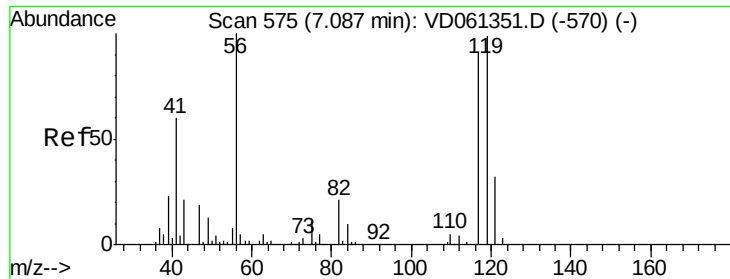
Acq: 3 Apr 2019 22:30

Tgt Ion:	75	Resp:	35695
Ion	Ratio	Lower	Upper
75	100		
110	8.4	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

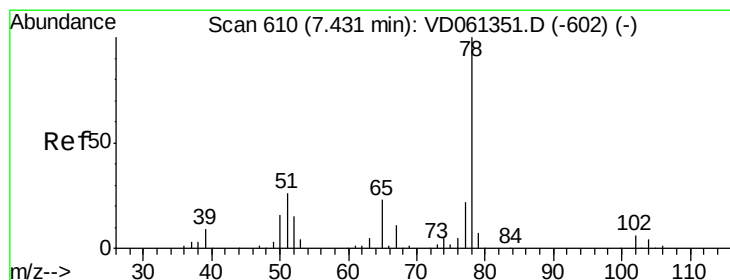
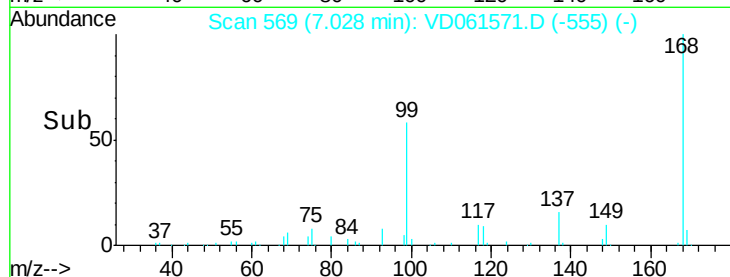
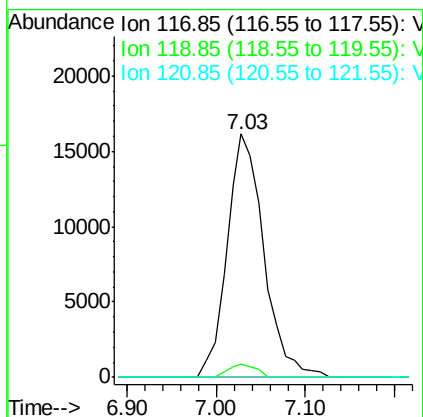
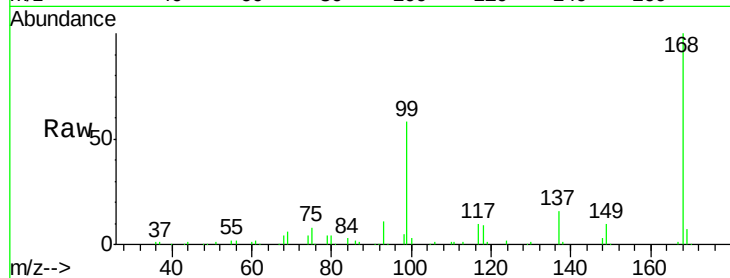




#38
Carbon Tetrachloride
Concen: 5.831 ug/l
RT: 7.03 min Scan# 569
Delta R.T. -0.06 min
Lab File: VD061571.D
Acq: 3 Apr 2019 22:30

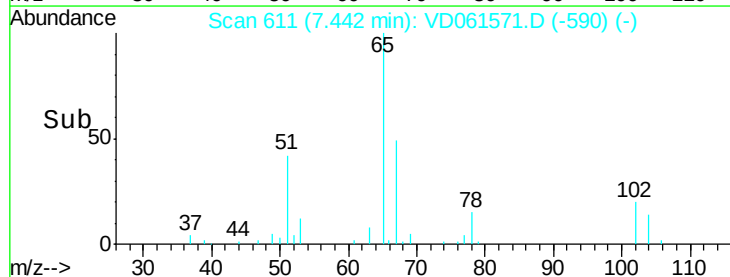
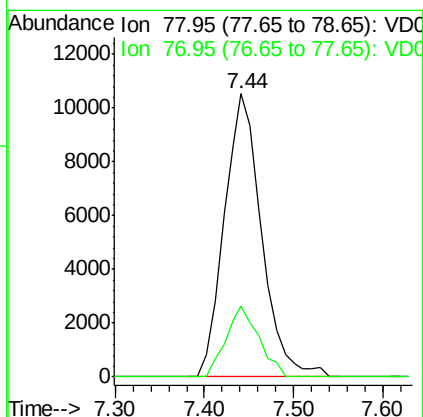
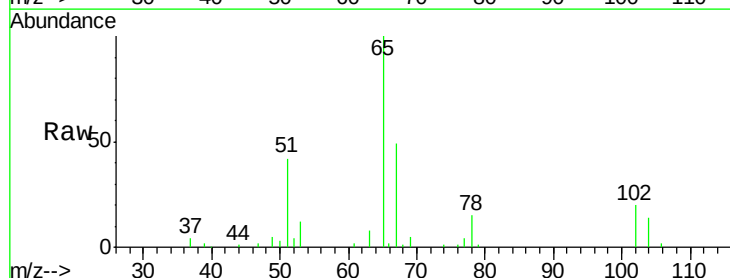
Instrument :
MSVOA_D
ClientSampled :

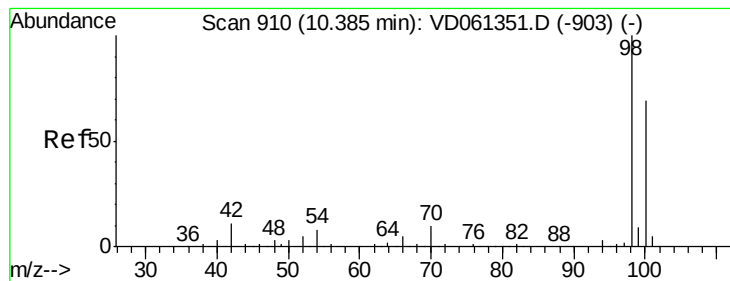
Tot Ion:117 Resp: 46496
Ion Ratio Lower Upper
117 100
119 5.4 80.1 120.1#
121 0.0 25.6 38.4#



#40
Benzene
Concen: 1.757 ug/l
RT: 7.44 min Scan# 611
Delta R.T. 0.01 min
Lab File: VD061571.D
Acq: 3 Apr 2019 22:30

Tgt Ion: 78 Resp: 30609
Ion Ratio Lower Upper
78 100
77 24.9 17.8 26.6





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.39 min Scan# 911

Delta R.T. 0.01 min

Lab File: VD061571.D

Acq: 3 Apr 2019 22:30

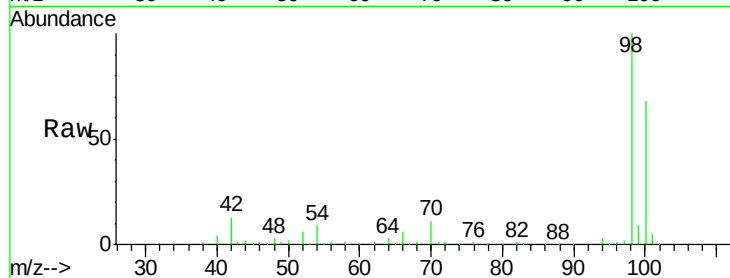
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 665715

Ion Ratio Lower Upper

98 100

100 67.5 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) (-)

10.39

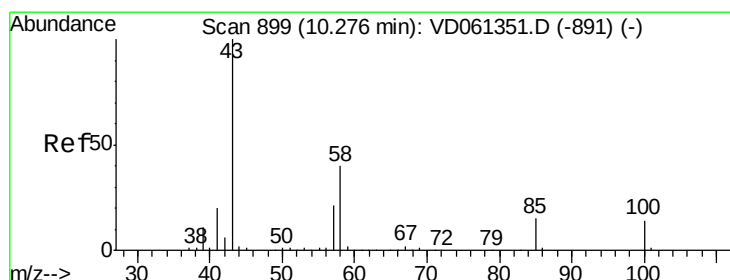
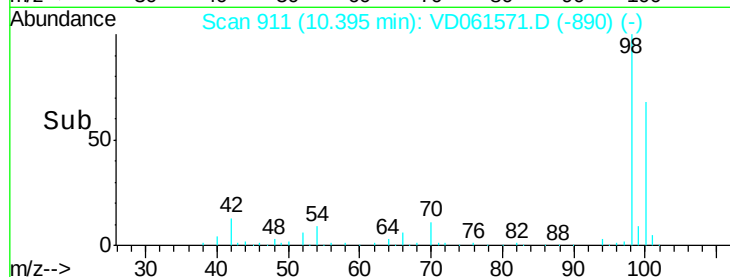
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.125 ug/l

RT: 10.39 min Scan# 911

Delta R.T. 0.12 min

Lab File: VD061571.D

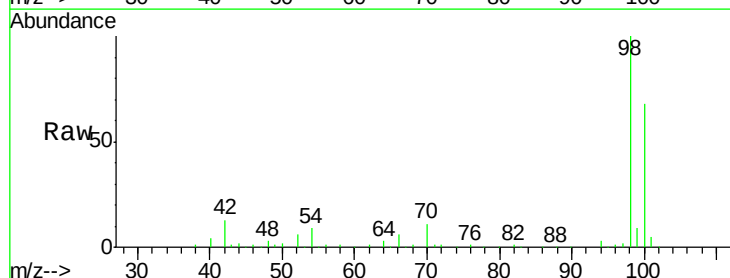
Acq: 3 Apr 2019 22:30

Tgt Ion: 43 Resp: 2955

Ion Ratio Lower Upper

43 100

58 152.6 31.8 47.8#



Abundance Ion 42.95 (42.65 to 43.65): VD061351.D (-891) (-)

Ion 57.95 (57.65 to 58.65): VD061351.D (-891) (-)

10.39

2500

2000

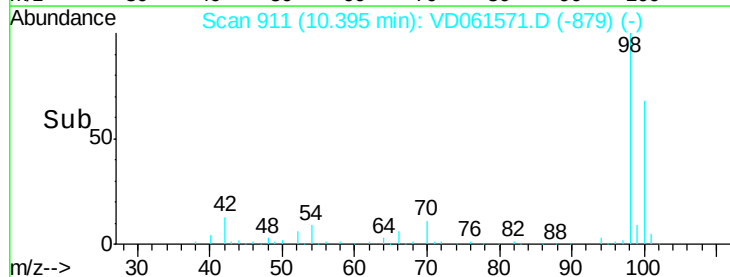
1500

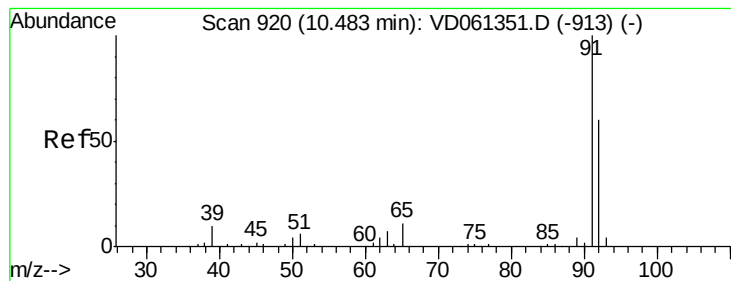
1000

500

0

Time-->





#52

Toluene

Concen: 5.431 ug/l

RT: 10.49 min Scan# 921

Delta R.T. 0.01 min

Lab File: VD061571.D

Acq: 3 Apr 2019 22:30

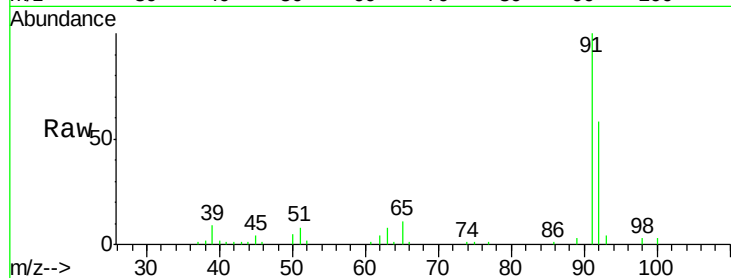
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 92 Resp: 57702

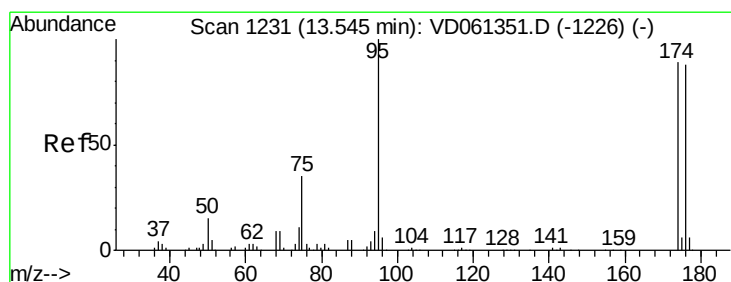
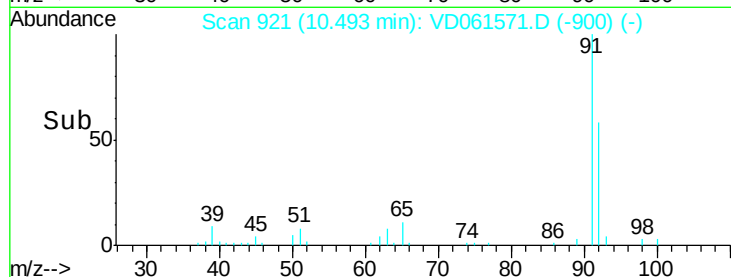
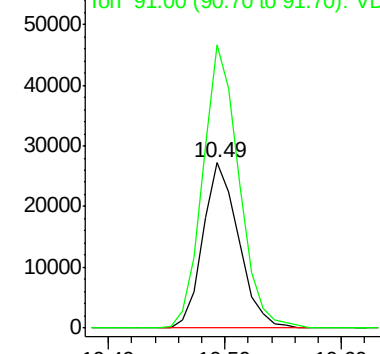
Ion Ratio Lower Upper

92 100

91 171.5 133.3 199.9



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# 1231

Delta R.T. 0.00 min

Lab File: VD061571.D

Acq: 3 Apr 2019 22:30

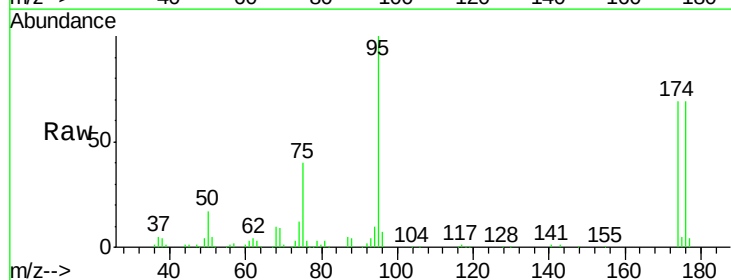
Tgt Ion: 95 Resp: 252500

Ion Ratio Lower Upper

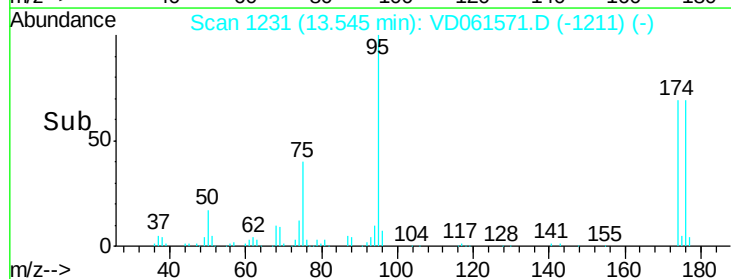
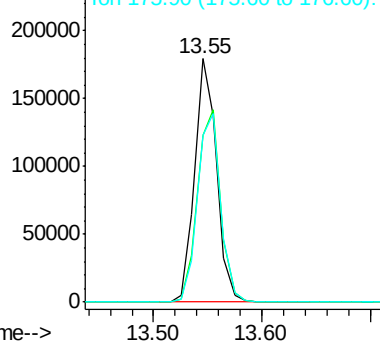
95 100

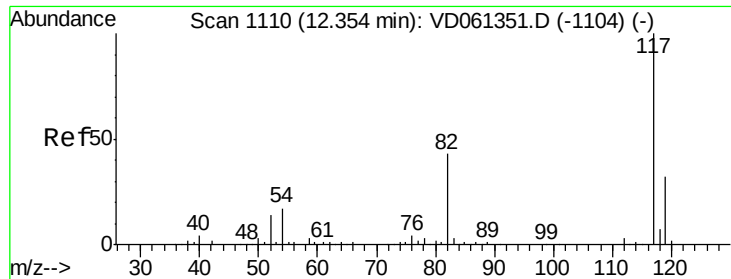
174 68.7 0.0 178.0

176 68.8 0.0 175.0



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

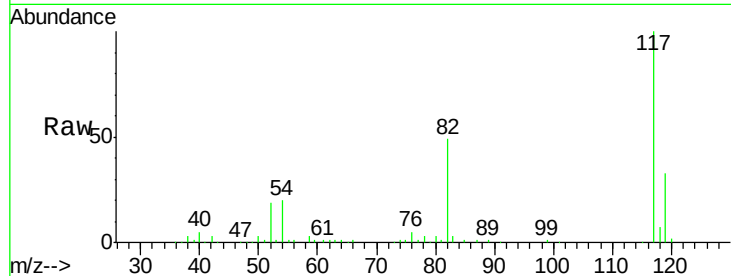




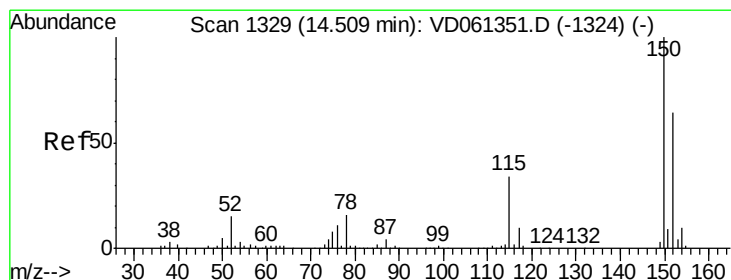
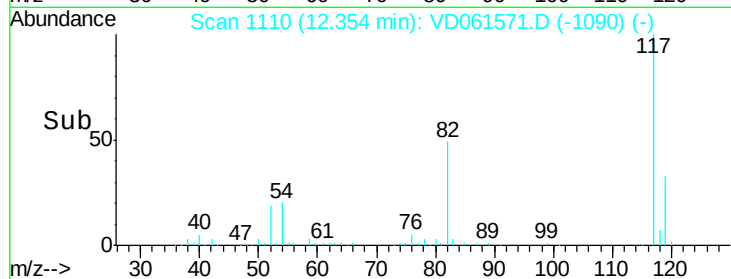
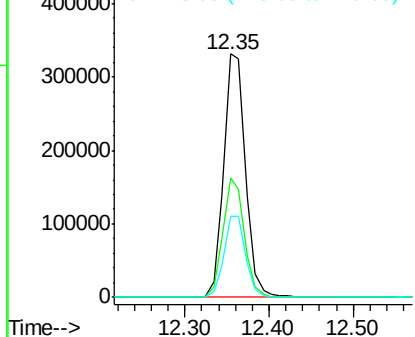
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VD061571.D
Acq: 3 Apr 2019 22:30

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 593192
Ion Ratio Lower Upper
117 100
82 49.3 34.4 51.6
119 33.2 25.8 38.6

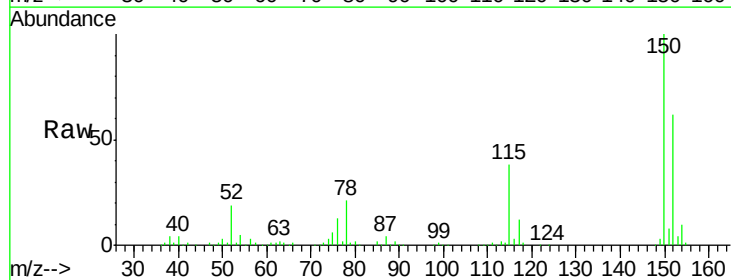


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

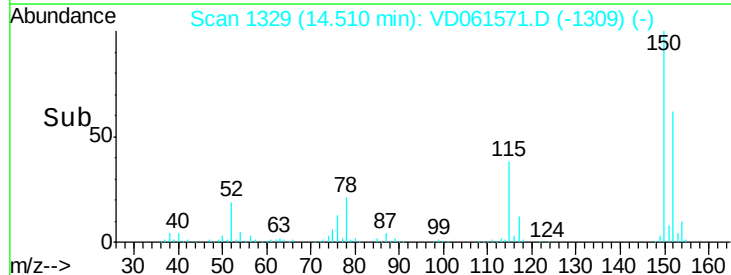
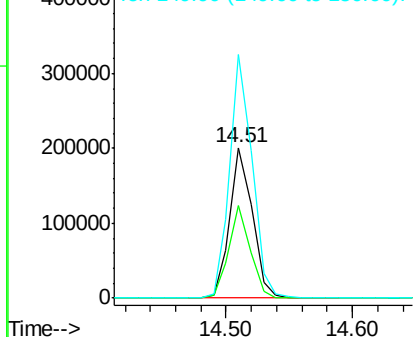


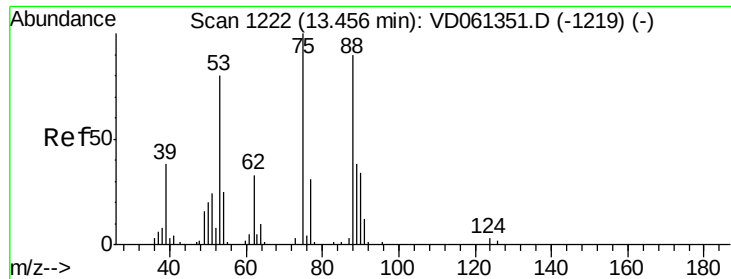
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. 0.00 min
Lab File: VD061571.D
Acq: 3 Apr 2019 22:30

Tgt Ion:152 Resp: 247310
Ion Ratio Lower Upper
152 100
115 61.1 26.9 80.6
150 161.4 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





#81

trans-1,4-Dichloro-2-butene

Concen: 88.945 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.09 min

Lab File: VD061571.D

Acq: 3 Apr 2019 22:30

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 96883

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

89 0.0 30.5 45.7#

