

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040519\
 Data File : VD061630.D
 Acq On : 5 Apr 2019 19:30
 Operator : VA/AP
 Sample : K2195-01RE
 Misc : 4.32g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 06 00:29:30 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	597084	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	923943	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.35	117	790824	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	362823	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	206142	40.42	ug/l	0.01
Spiked Amount 50.000			Recovery	=	80.84%	
35) Dibromofluoromethane	6.92	113	331290	46.92	ug/l	0.02
Spiked Amount 50.000			Recovery	=	93.84%	
50) Toluene-d8	10.39	98	615333	36.34	ug/l	0.01
Spiked Amount 50.000			Recovery	=	72.68%	
62) 4-Bromofluorobenzene	13.54	95	277100	42.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.34%	
Target Compounds						
					Qvalue	
16) Acetone	3.21	43	2416	1.843	ug/l #	48
20) Methylene Chloride	3.82	84	45675	4.470	ug/l	97
31) Cyclohexane	7.04	56	10190	1.160	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	42087	5.219	ug/l #	44
38) Carbon Tetrachloride	7.04	117	56740	6.123	ug/l #	13
52) Toluene	10.49	92	27656	2.240	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.54	75	97594	61.072	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: VD061630.D

Acq: 5 Apr 2019 19:30

Instrument :

MSVOA_D

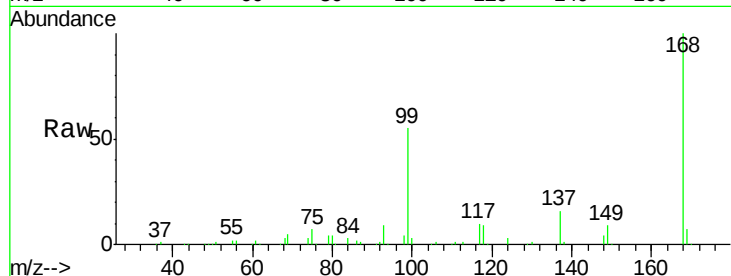
ClientSampleId :

Tot Ion:168 Resp: 597084

Ion Ratio Lower Upper

168 100

99 55.4 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

200000

150000

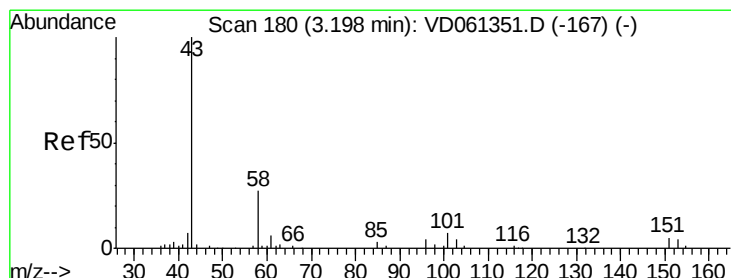
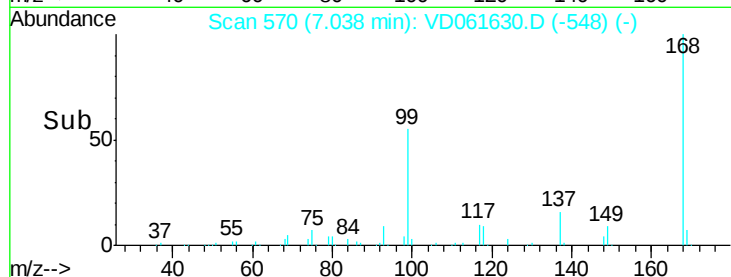
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#16

Acetone

Concen: 1.843 ug/l

RT: 3.21 min Scan# 181

Delta R.T. 0.01 min

Lab File: VD061630.D

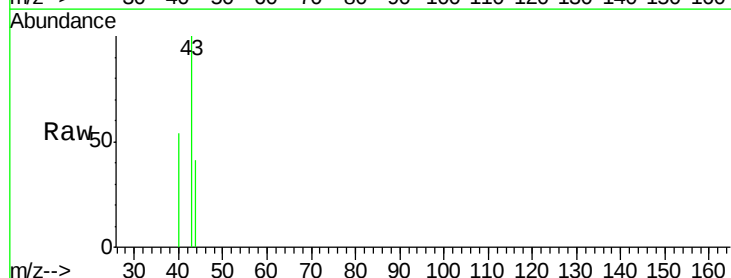
Acq: 5 Apr 2019 19:30

Tgt Ion: 43 Resp: 2416

Ion Ratio Lower Upper

43 100

58 0.0 21.5 32.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.21

1200

1000

800

600

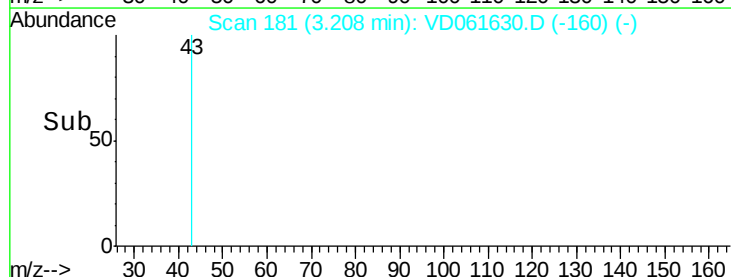
400

200

0

Time-->

3.15 3.20 3.25





#20

Methylene Chloride

Concen: 4.470 ug/l

RT: 3.82 min Scan# 243

Delta R.T. 0.02 min

Lab File: VD061630.D

Acq: 5 Apr 2019 19:30

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 45675

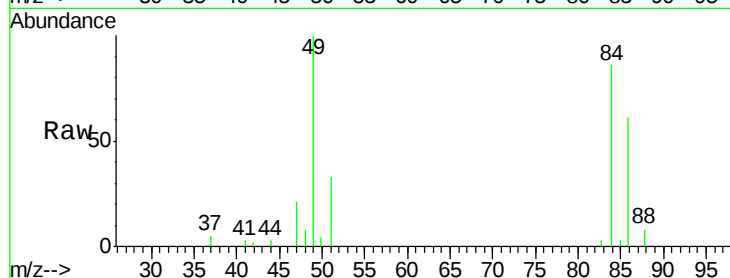
Ion Ratio Lower Upper

84 100

49 115.6 91.8 137.8

51 37.7 29.8 44.8

86 71.0 51.8 77.6

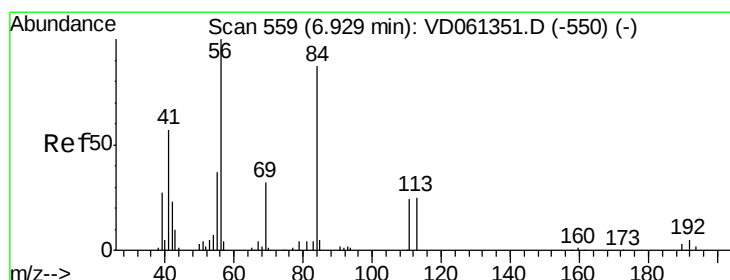
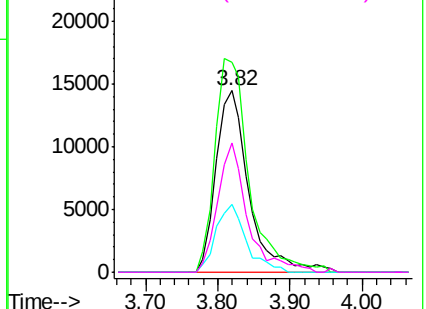
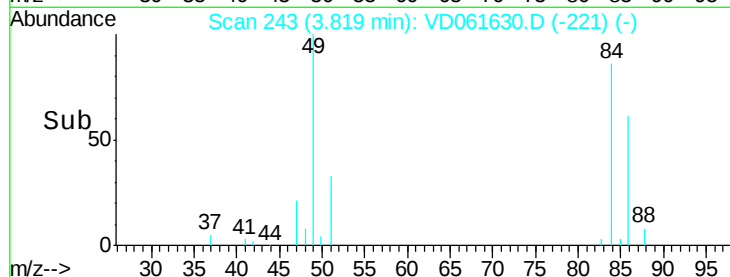


Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 1.160 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.11 min

Lab File: VD061630.D

Acq: 5 Apr 2019 19:30

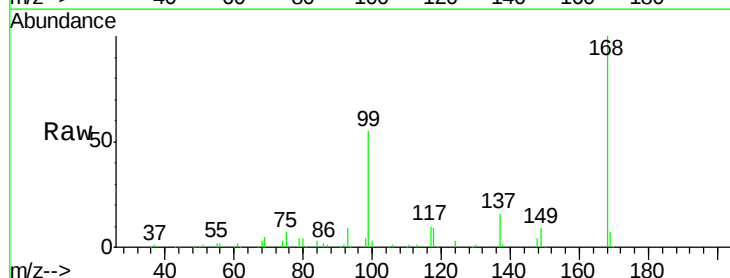
Tgt Ion: 56 Resp: 10190

Ion Ratio Lower Upper

56 100

69 250.6 25.7 38.5#

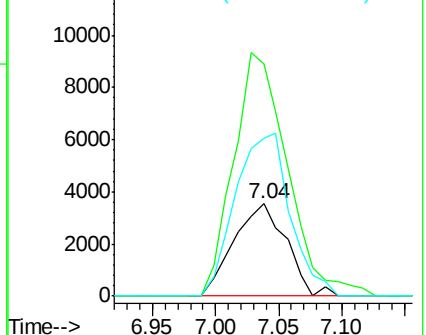
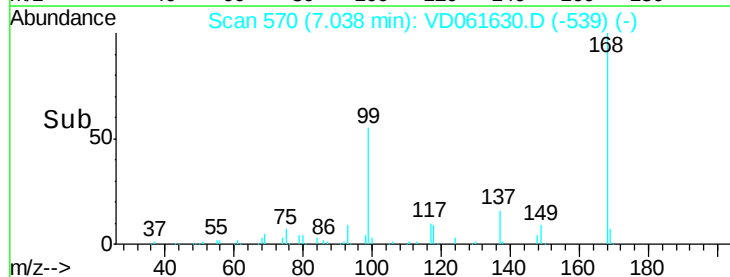
84 170.2 70.6 105.8#



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: 7.44 min Scan# 611

Delta R.T. 0.01 min

Lab File: VD061630.D

Acq: 5 Apr 2019 19:30

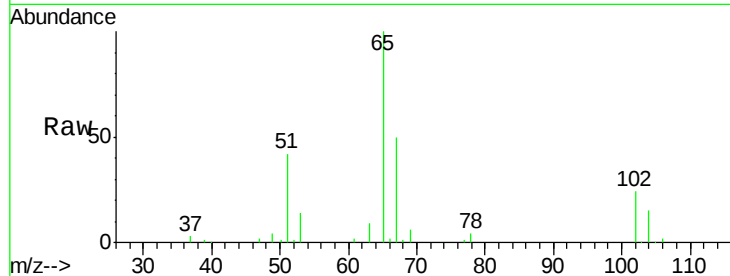
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 65 Resp: 206142

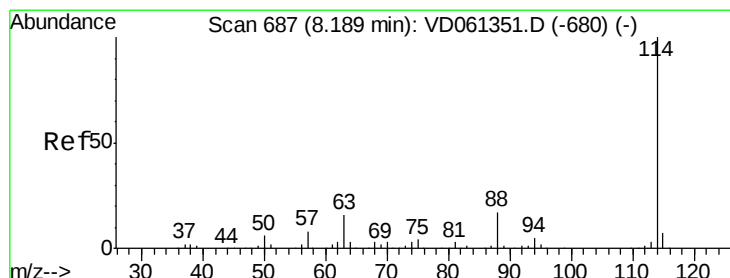
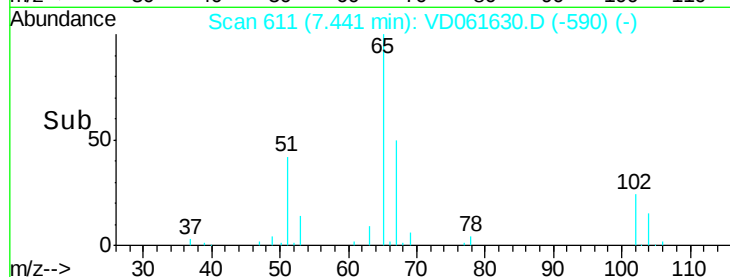
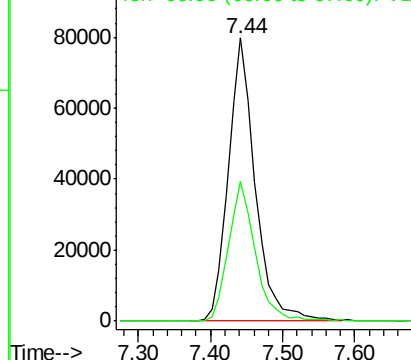
Ion Ratio Lower Upper

65 100

67 49.5 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: 8.21 min Scan# 689

Delta R.T. 0.02 min

Lab File: VD061630.D

Acq: 5 Apr 2019 19:30

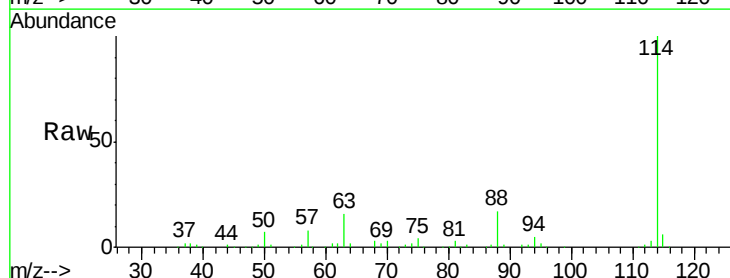
Tgt Ion: 114 Resp: 923943

Ion Ratio Lower Upper

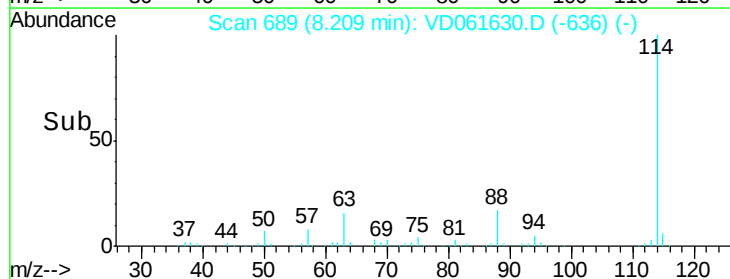
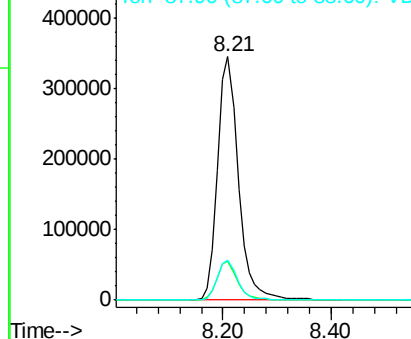
114 100

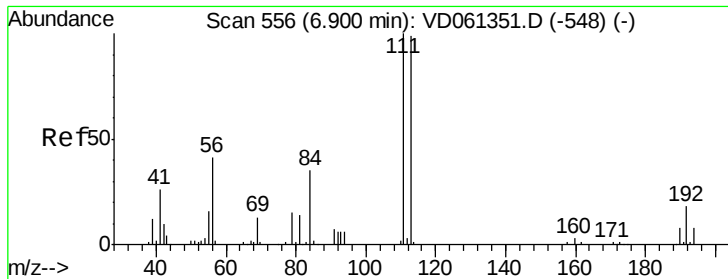
63 15.8 0.0 31.6

88 16.7 0.0 33.4



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

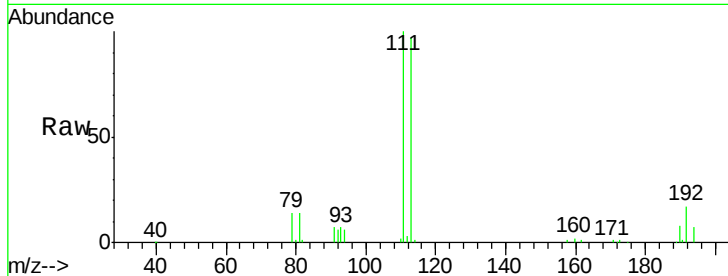




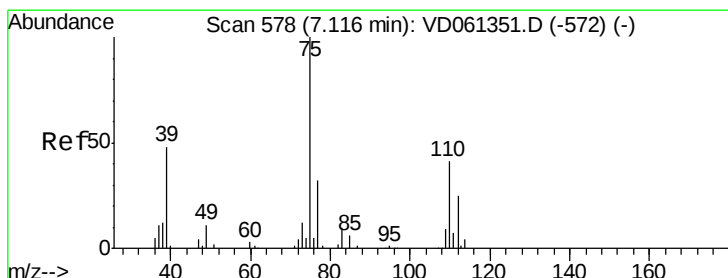
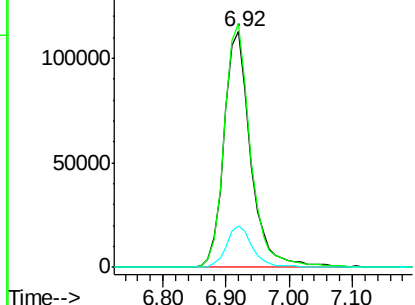
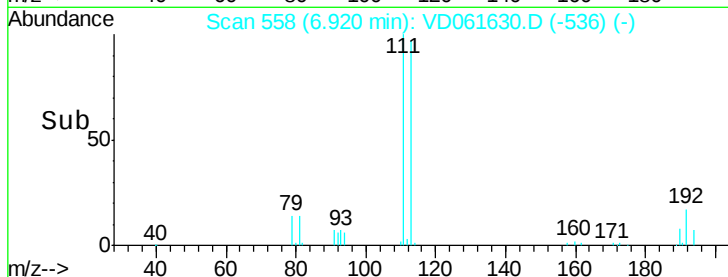
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.02 min
 Lab File: VD061630.D
 Acq: 5 Apr 2019 19:30

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.0	121.6
192	17.3	14.4	21.6

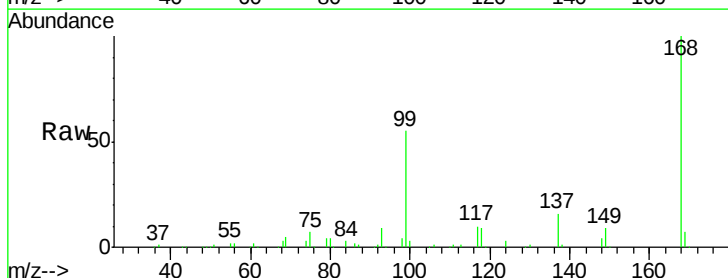


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

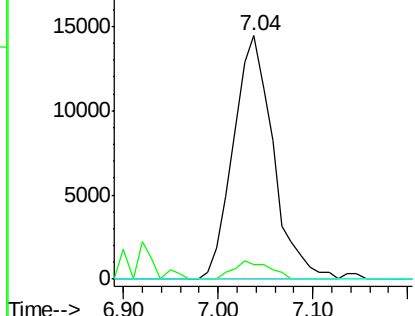
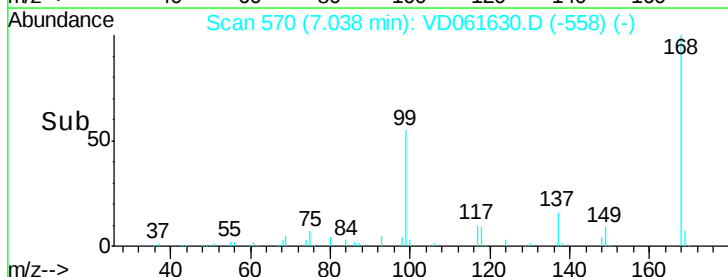


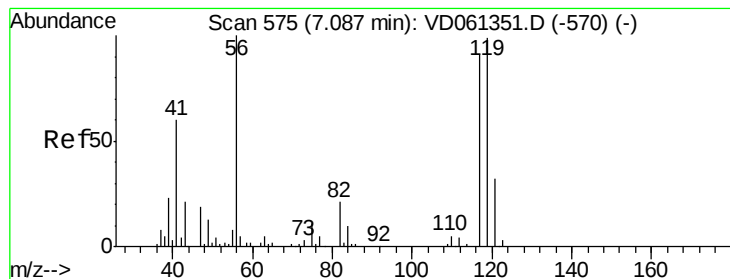
#36
 1,1-Dichloropropene
 Concen: 5.219 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.08 min
 Lab File: VD061630.D
 Acq: 5 Apr 2019 19:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.1	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: 6.123 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.05 min

Lab File: VD061630.D

Acq: 5 Apr 2019 19:30

Instrument :

MSVOA_D

ClientSampleId :

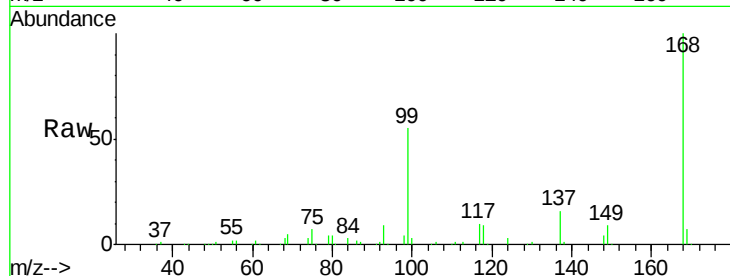
Tot Ion:117 Resp: 56740

Ion Ratio Lower Upper

117 100

119 4.0 80.1 120.1#

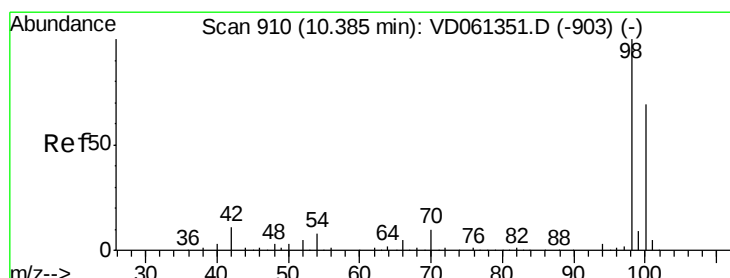
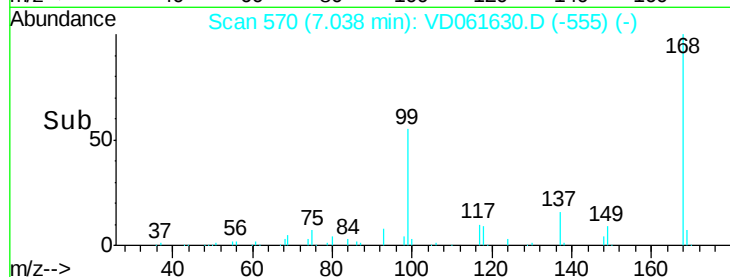
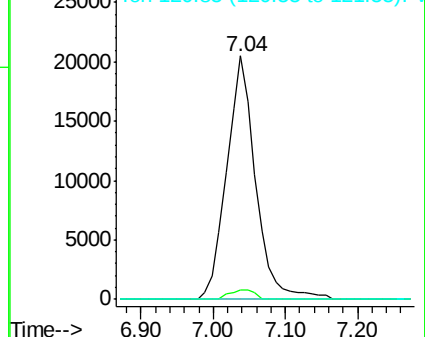
121 0.0 25.6 38.4#



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: 10.39 min Scan# 911

Delta R.T. 0.01 min

Lab File: VD061630.D

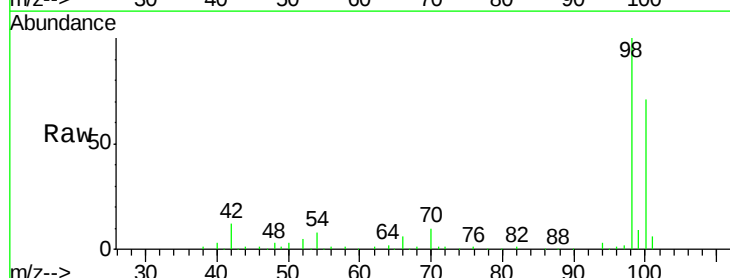
Acq: 5 Apr 2019 19:30

Tgt Ion: 98 Resp: 615333

Ion Ratio Lower Upper

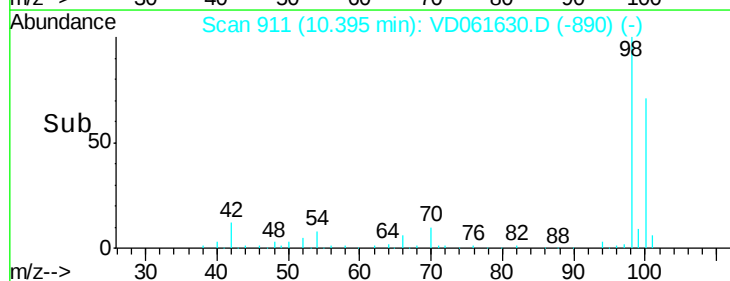
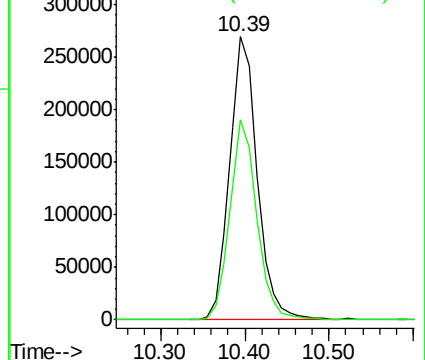
98 100

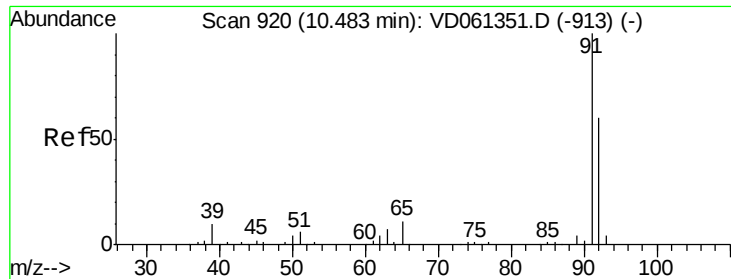
100 70.6 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 2.240 ug/l

RT: 10.49 min Scan# 921

Delta R.T. 0.01 min

Lab File: VD061630.D

Acq: 5 Apr 2019 19:30

Instrument :

MSVOA_D

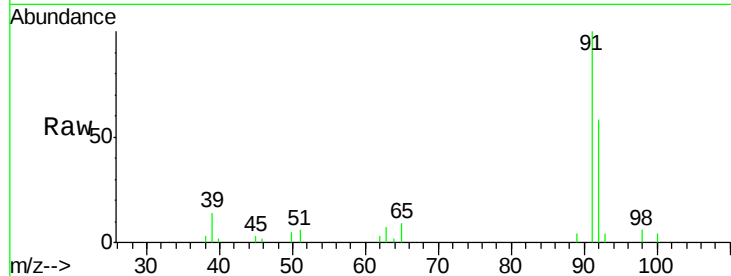
ClientSampleId :

Tot Ion: 92 Resp: 27656

Ion Ratio Lower Upper

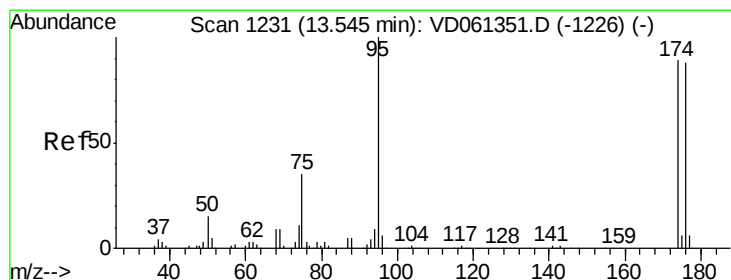
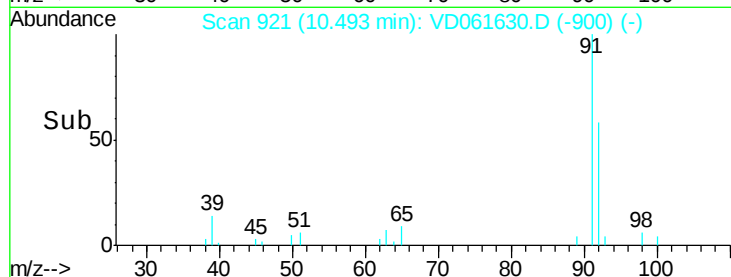
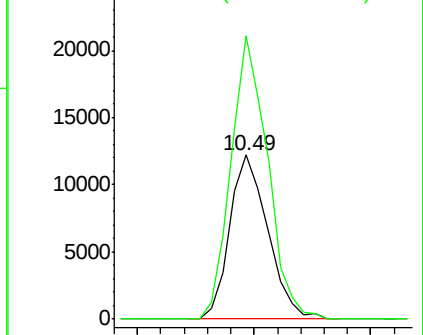
92 100

91 172.7 133.3 199.9



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: 13.54 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VD061630.D

Acq: 5 Apr 2019 19:30

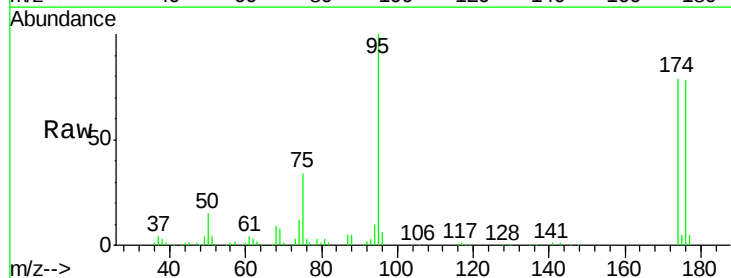
Tgt Ion: 95 Resp: 277100

Ion Ratio Lower Upper

95 100

174 79.2 0.0 178.0

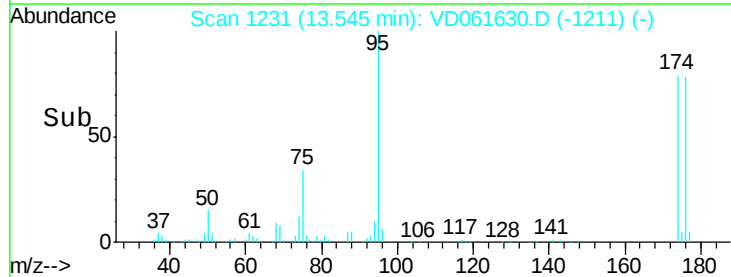
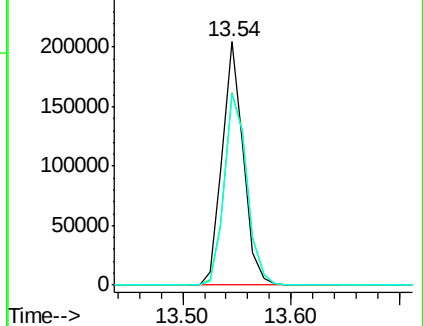
176 78.4 0.0 175.0

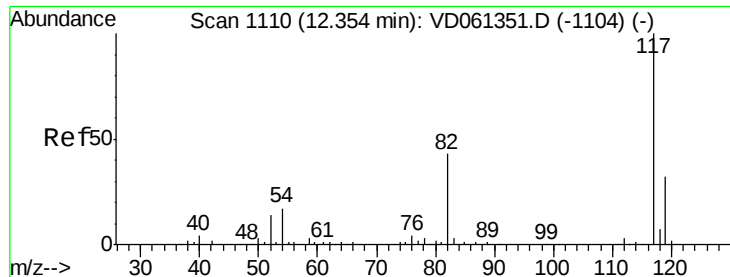


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

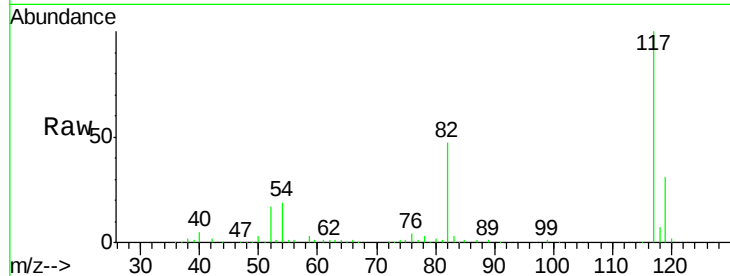




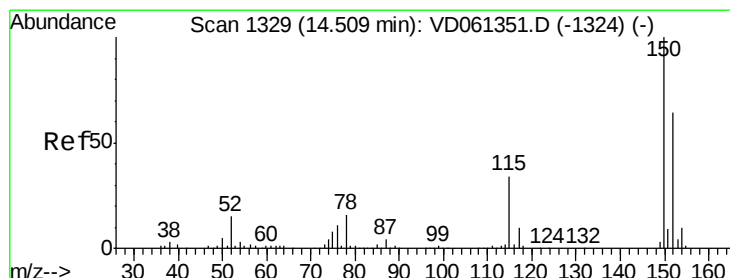
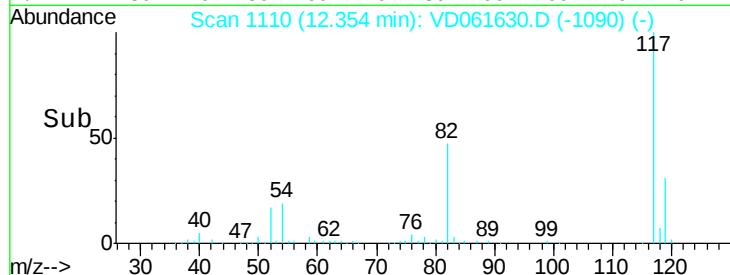
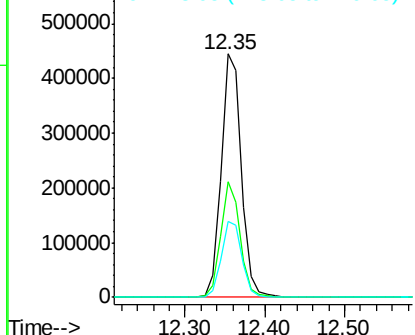
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VD061630.D
Acq: 5 Apr 2019 19:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 790824
Ion Ratio Lower Upper
117 100
82 47.5 34.4 51.6
119 31.4 25.8 38.6

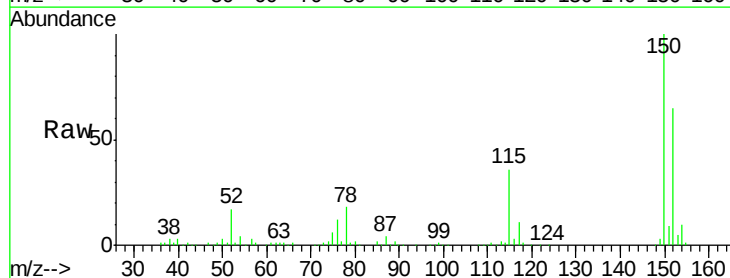


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

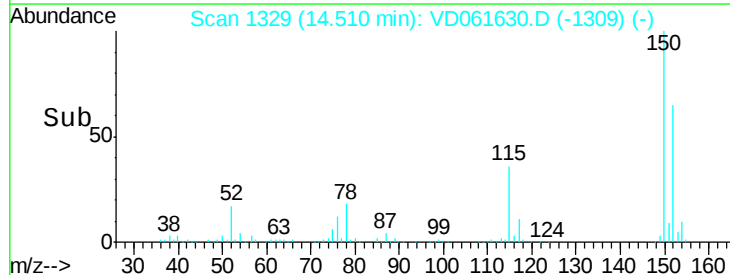
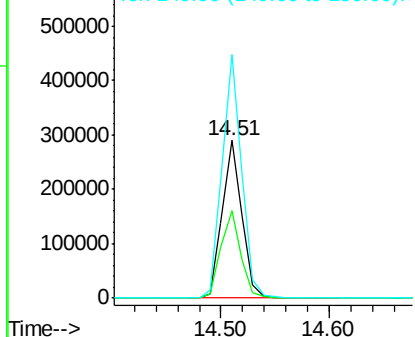


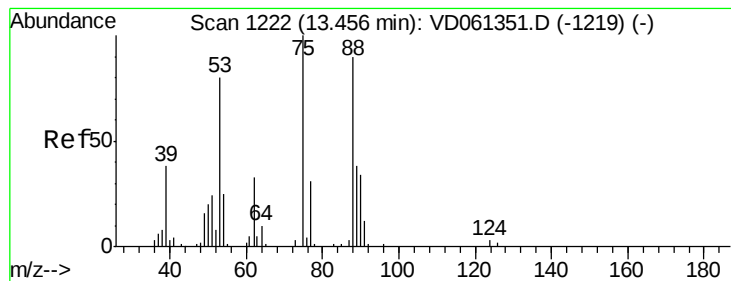
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. 0.00 min
Lab File: VD061630.D
Acq: 5 Apr 2019 19:30

Tgt Ion:152 Resp: 362823
Ion Ratio Lower Upper
152 100
115 55.5 26.9 80.6
150 154.8 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: 61.072 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.09 min

Lab File: VD061630.D

Acq: 5 Apr 2019 19:30

Instrument :

MSVOA_D

ClientSampleId :

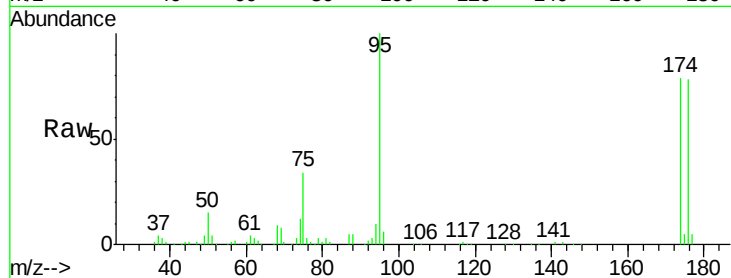
Tot Ion: 75 Resp: 97594

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

