

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040919\
 Data File : VD061696.D
 Acq On : 10 Apr 2019 2:58
 Operator : VA/AP
 Sample : VD0409SBL01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 10 03:24:09 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	7.07	168	637484	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.25	114	1099255	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	882814	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	432791	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.48	65	247245	51.17	ug/l	0.03
Spiked Amount 50.000			Recovery	=	102.34%	
35) Dibromofluoromethane	6.96	113	374880	49.23	ug/l	0.04
Spiked Amount 50.000			Recovery	=	98.46%	
50) Toluene-d8	10.43	98	888058	46.42	ug/l	0.03
Spiked Amount 50.000			Recovery	=	92.84%	
62) 4-Bromofluorobenzene	13.57	95	341529	50.99	ug/l	0.02
Spiked Amount 50.000			Recovery	=	101.98%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	3.33	142	838	3.722	ug/l #	38
20) Methylene Chloride	3.85	84	25645	3.129	ug/l	95
31) Cyclohexane	7.07	56	10595	1.165	ug/l #	1
36) 1,1-Dichloropropene	7.07	75	45536	4.733	ug/l #	48
38) Carbon Tetrachloride	7.07	117	59117	5.243	ug/l #	15
51) 4-Methyl-2-Pentanone	10.43	43	5374	1.598	ug/l #	1
76) 1,2,3-Trichloropropane	13.57	75	115800	19.667	ug/l #	46
81) trans-1,4-Dichloro-2-buten	13.57	75	126629	70.870	ug/l #	20

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.04 min

Lab File: VD061696.D

Acq: 10 Apr 2019 2:58

Instrument :

MSVOA_D

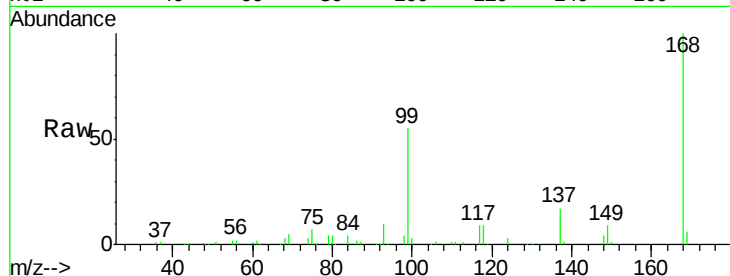
ClientSampleId :

Tot Ion:168 Resp: 637484

Ion Ratio Lower Upper

168 100

99 55.3 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.07

250000

200000

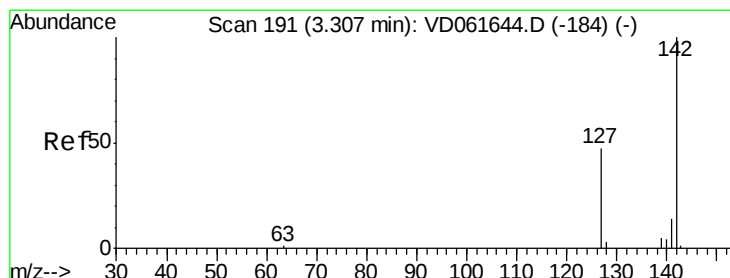
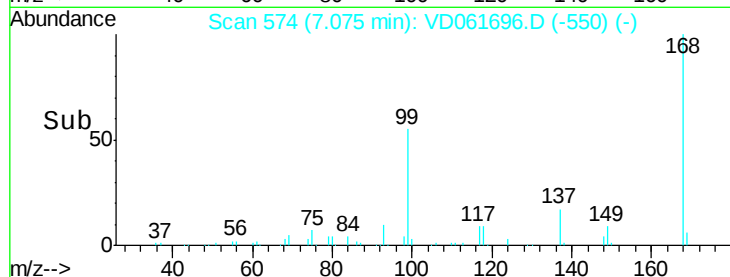
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#10

Methyl Iodide

Concen: 3.722 ug/l

RT: 3.33 min Scan# 194

Delta R.T. 0.03 min

Lab File: VD061696.D

Acq: 10 Apr 2019 2:58

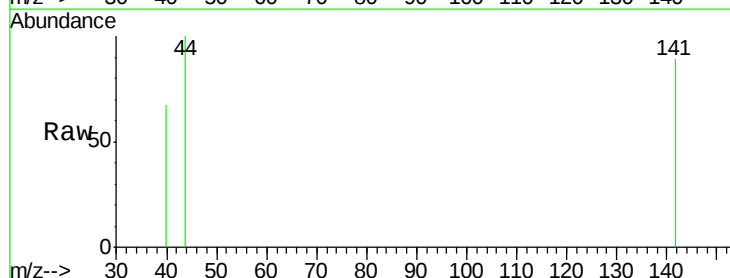
Tgt Ion:142 Resp: 838

Ion Ratio Lower Upper

142 100

127 0.0 37.2 55.8#

141 0.0 10.8 16.2#



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

3.33

600

500

400

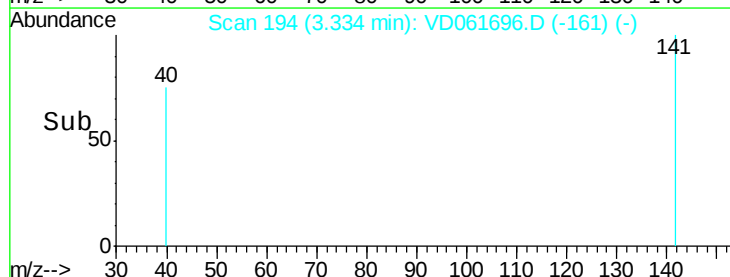
300

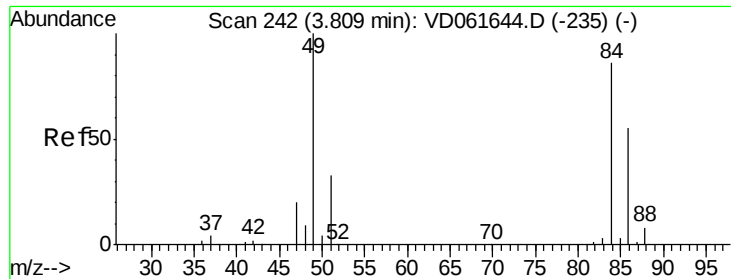
200

100

0

Time--> 3.30 3.35 3.40

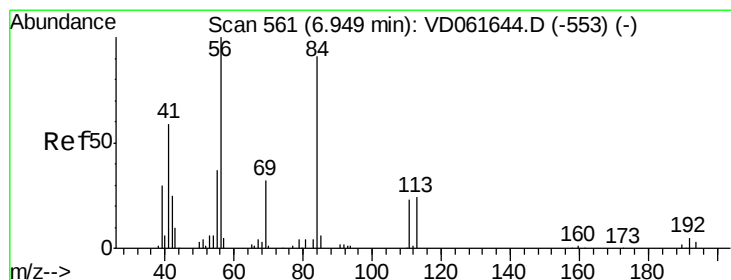
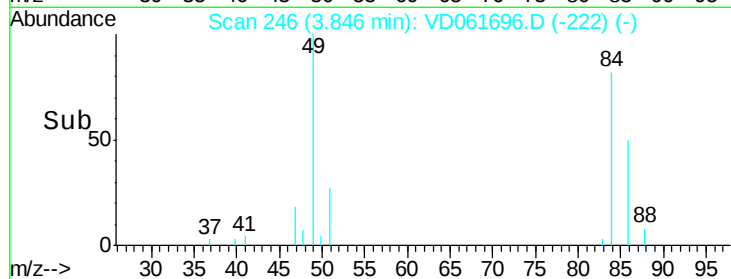
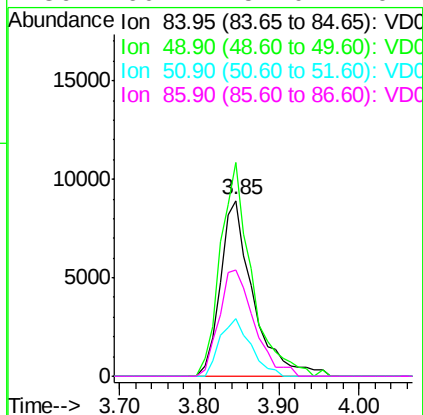
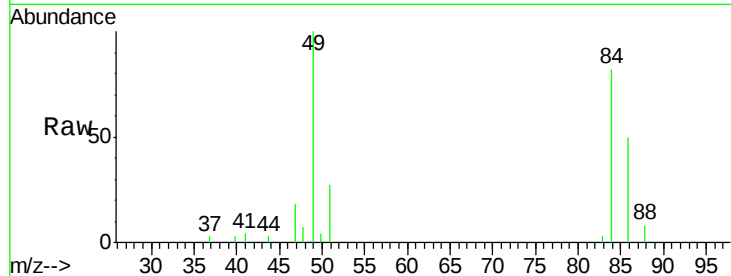




#20
Methylene Chloride
Concen: 3.129 ug/l
RT: 3.85 min Scan# 246
Delta R.T. 0.04 min
Lab File: VD061696.D
Acq: 10 Apr 2019 2:58

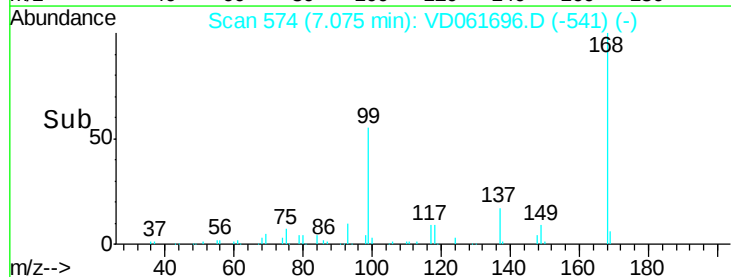
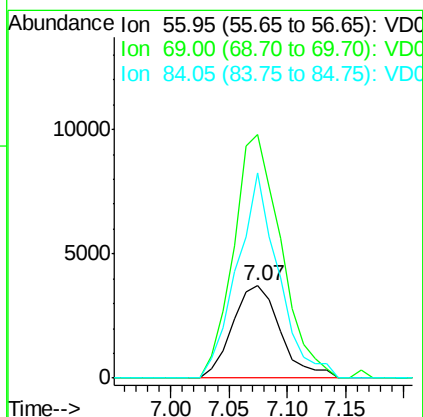
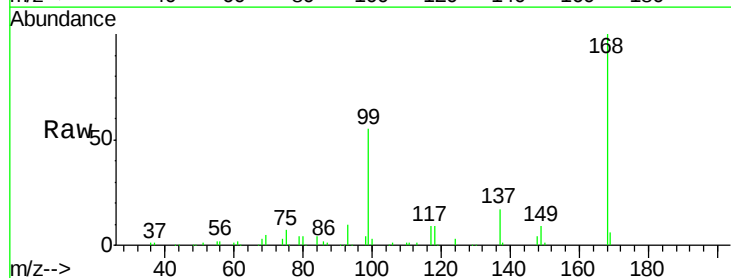
Instrument :
MSVOA_D
ClientSampleId :

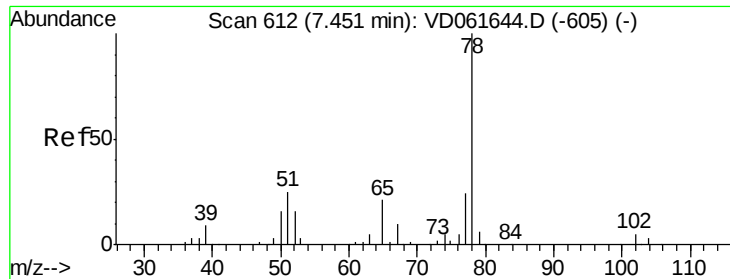
Tot Ion:	84	Resp:	25645
Ion	Ratio	Lower	Upper
84	100		
49	121.6	93.0	139.4
51	32.6	30.4	45.6
86	60.4	51.0	76.4



#31
Cyclohexane
Concen: 1.165 ug/l
RT: 7.07 min Scan# 574
Delta R.T. 0.13 min
Lab File: VD061696.D
Acq: 10 Apr 2019 2:58

Tgt Ion:	56	Resp:	10595
Ion	Ratio	Lower	Upper
56	100		
69	263.8	25.8	38.6#
84	222.4	74.2	111.2#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.03 min

Lab File: VD061696.D

Acq: 10 Apr 2019 2:58

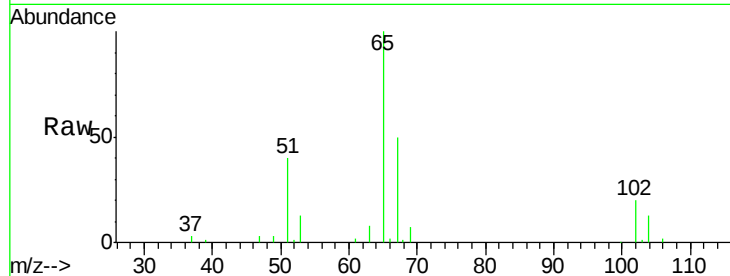
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 65 Resp: 247245

Ion Ratio Lower Upper

65 100

67 50.2 0.0 99.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.48

100000

80000

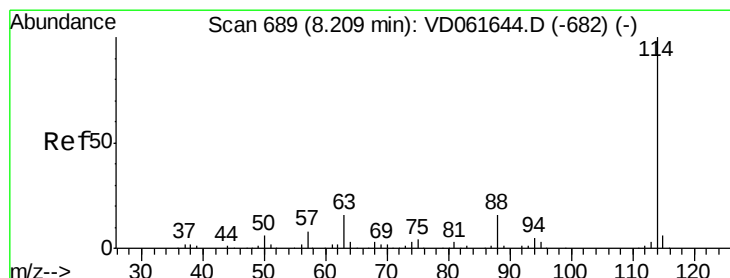
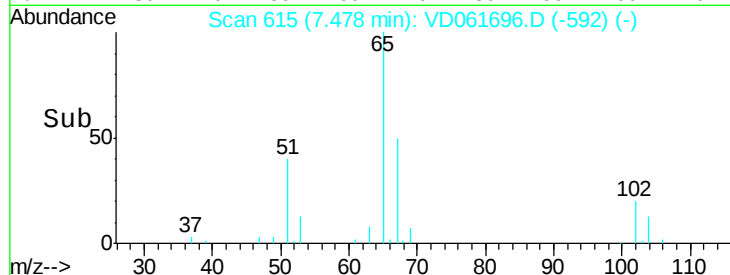
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.25 min Scan# 693

Delta R.T. 0.04 min

Lab File: VD061696.D

Acq: 10 Apr 2019 2:58

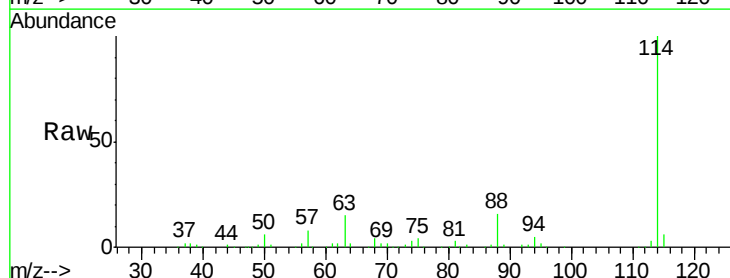
Tgt Ion: 114 Resp: 1099255

Ion Ratio Lower Upper

114 100

63 15.1 0.0 31.2

88 16.0 0.0 31.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.25

600000

500000

400000

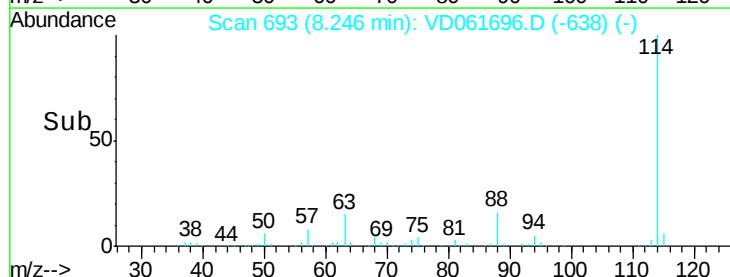
300000

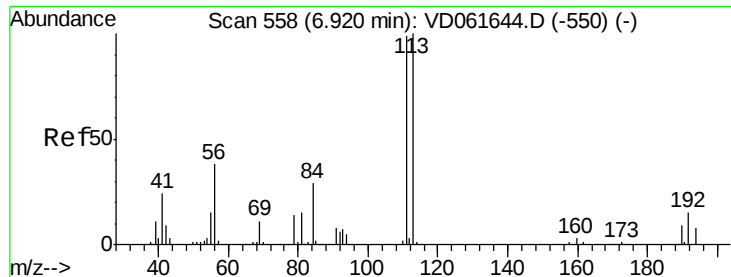
200000

100000

0

Time-->

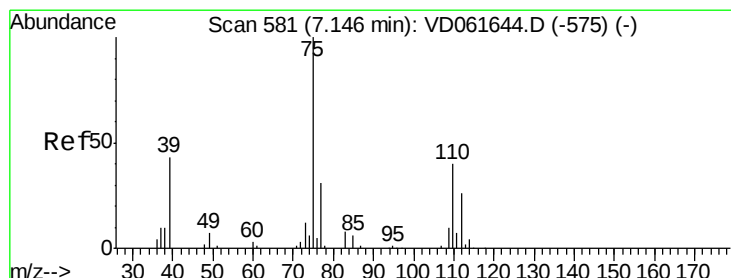
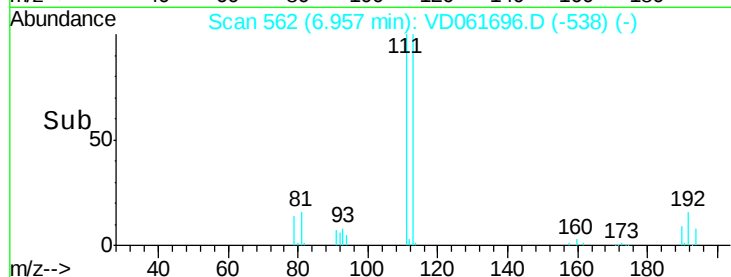
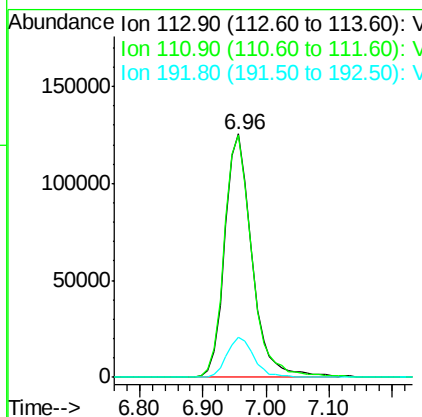
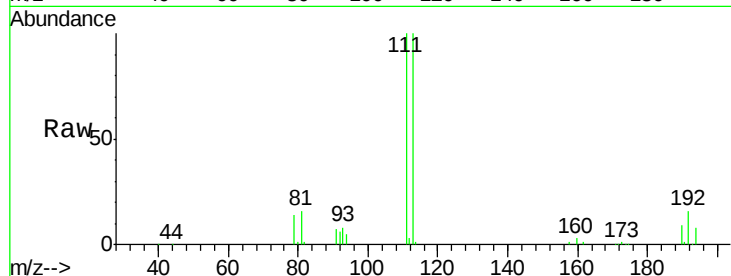




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.96 min Scan# 562
 Delta R.T. 0.04 min
 Lab File: VD061696.D
 Acq: 10 Apr 2019 2:58

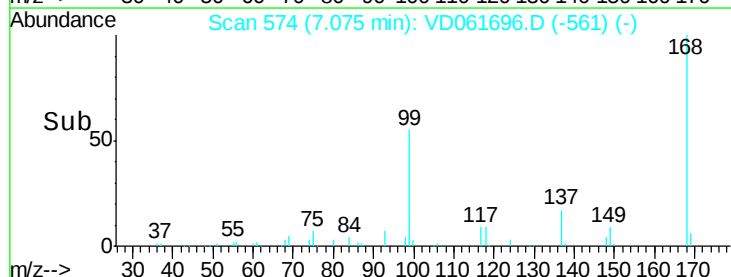
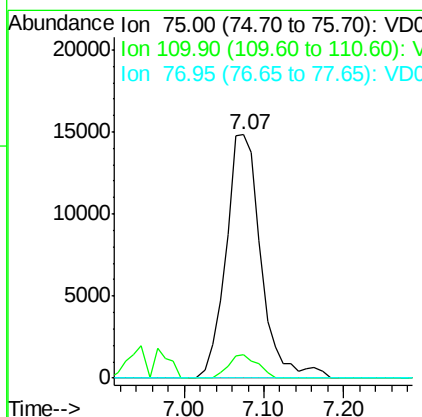
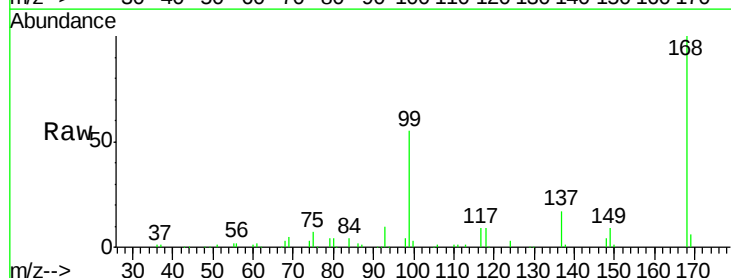
Instrument :
 MSVOA_D
 ClientSampleId :

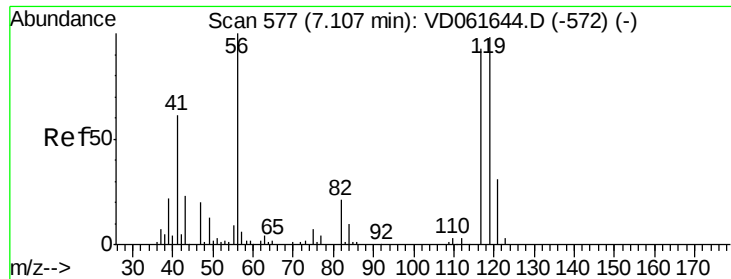
Tot Ion:113 Resp: 374880
 Ion Ratio Lower Upper
 113 100
 111 99.8 79.3 118.9
 192 16.5 12.3 18.5



#36
 1,1-Dichloropropene
 Concen: 4.733 ug/l
 RT: 7.07 min Scan# 574
 Delta R.T. -0.07 min
 Lab File: VD061696.D
 Acq: 10 Apr 2019 2:58

Tgt Ion: 75 Resp: 45536
 Ion Ratio Lower Upper
 75 100
 110 9.8 19.7 59.0#
 77 0.0 24.8 37.2#

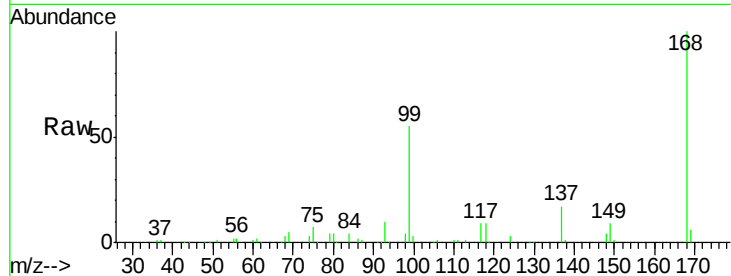




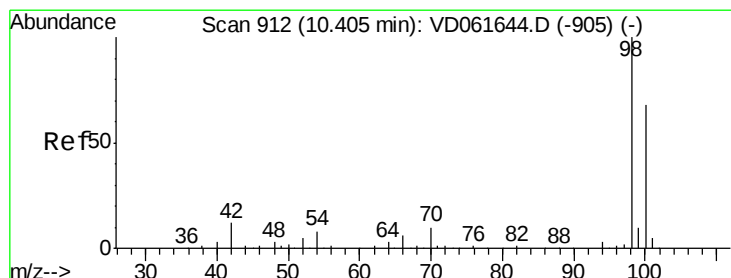
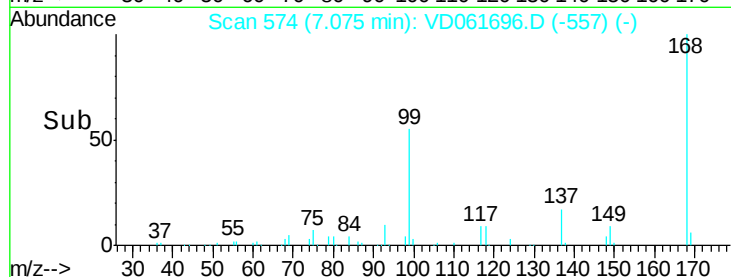
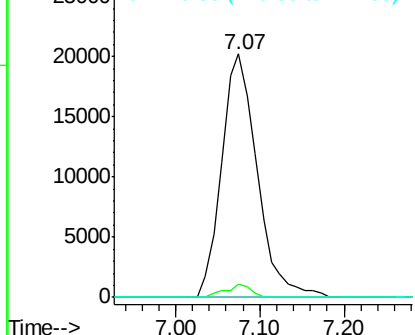
#38
Carbon Tetrachloride
Concen: 5.243 ug/l
RT: 7.07 min Scan# 574
Delta R.T. -0.03 min
Lab File: VD061696.D
Acq: 10 Apr 2019 2:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 59117
Ion Ratio Lower Upper
117 100
119 5.3 77.9 116.9#
121 0.0 24.7 37.1#

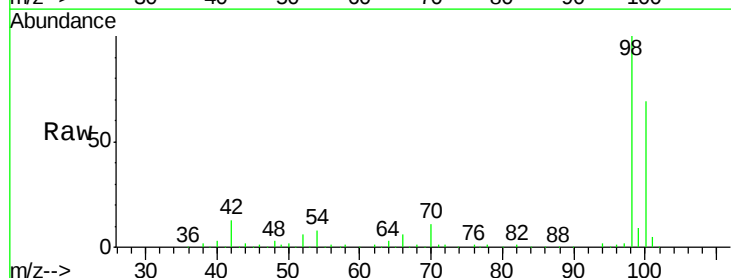


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

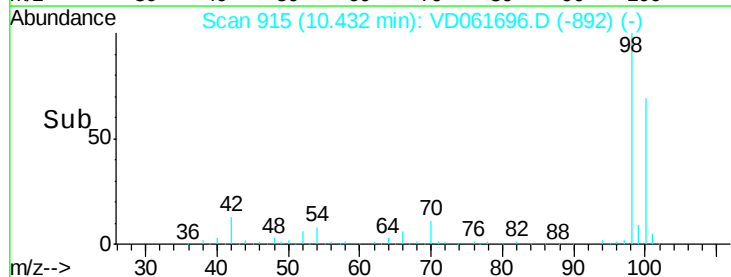
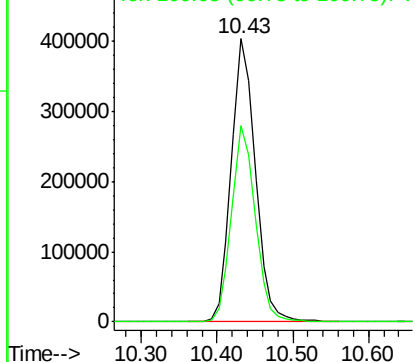


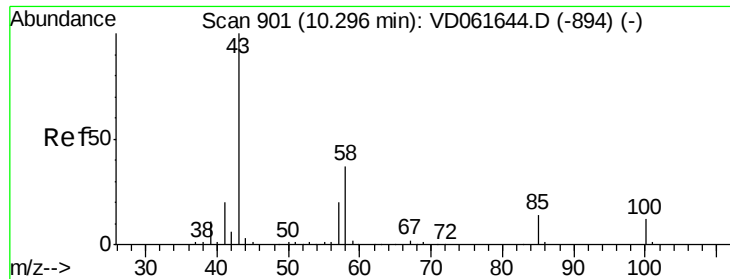
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD061696.D
Acq: 10 Apr 2019 2:58

Tgt Ion: 98 Resp: 888058
Ion Ratio Lower Upper
98 100
100 69.3 55.4 83.0



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

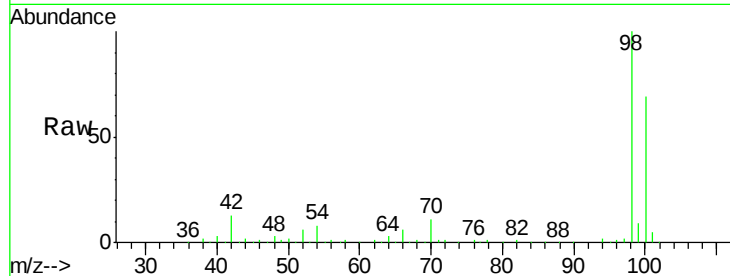




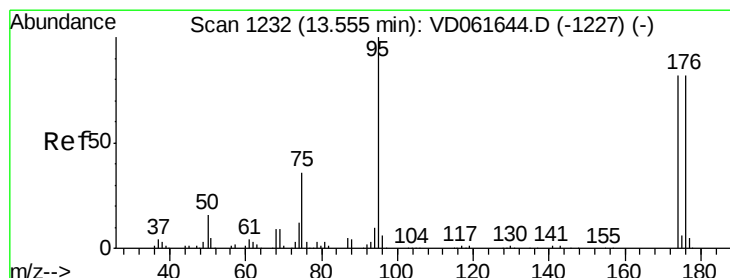
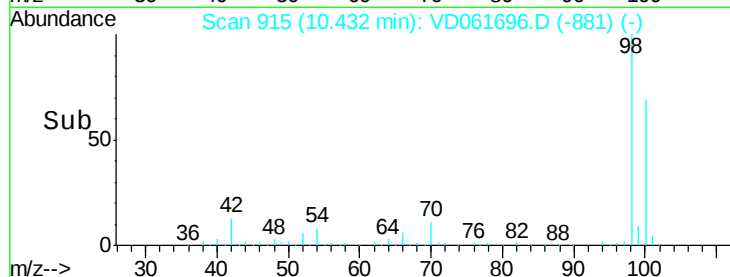
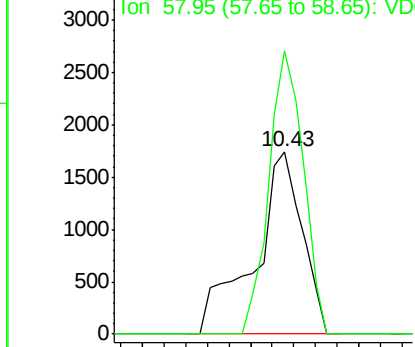
#51
4-Methyl-2-Pentanone
Concen: 1.598 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.14 min
Lab File: VD061696.D
Acq: 10 Apr 2019 2:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 5374
Ion Ratio Lower Upper
43 100
58 155.1 29.8 44.8#

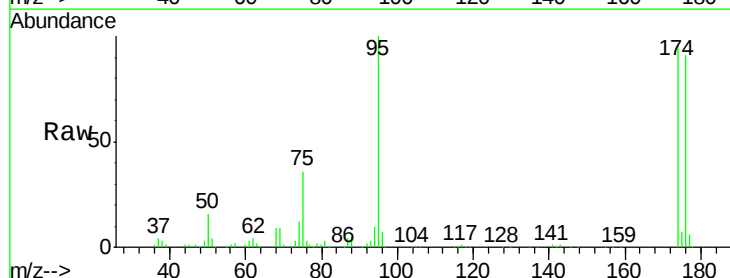


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

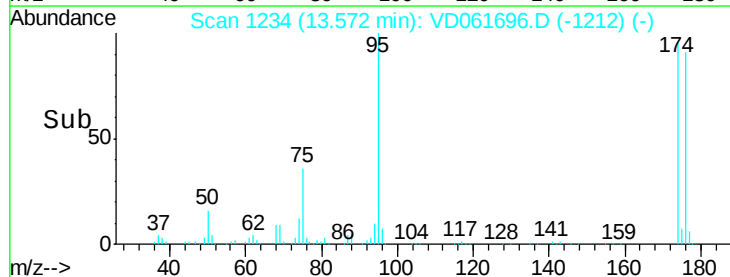
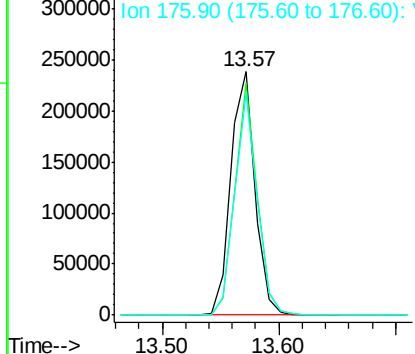


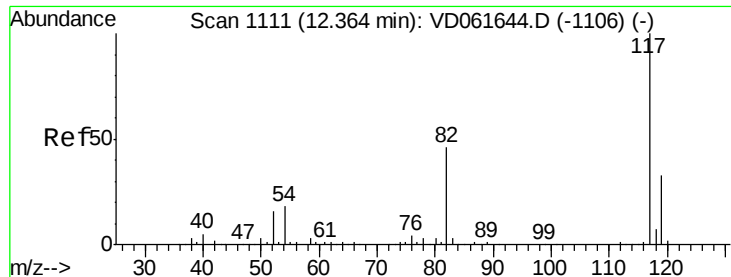
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.57 min Scan# 1234
Delta R.T. 0.02 min
Lab File: VD061696.D
Acq: 10 Apr 2019 2:58

Tgt Ion: 95 Resp: 341529
Ion Ratio Lower Upper
95 100
174 95.6 0.0 164.6
176 91.4 0.0 165.0



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

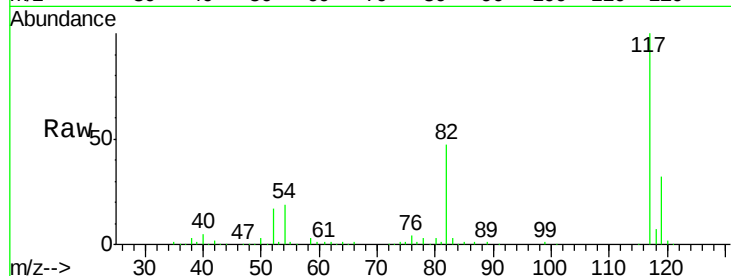




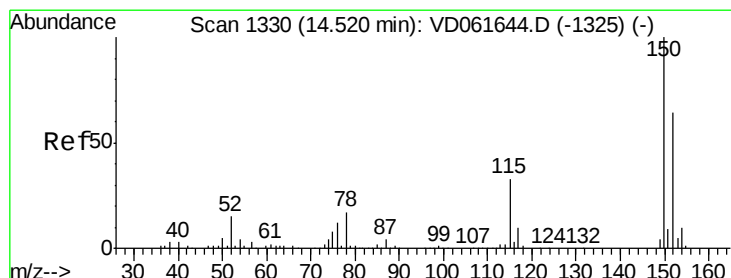
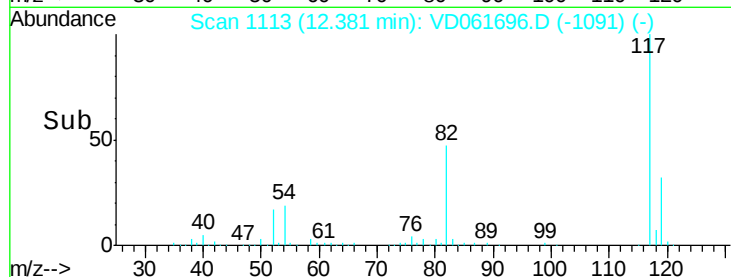
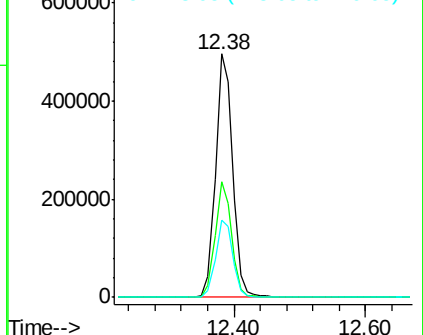
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061696.D
Acq: 10 Apr 2019 2:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 882814
Ion Ratio Lower Upper
117 100
82 47.4 36.8 55.2
119 31.8 26.1 39.1

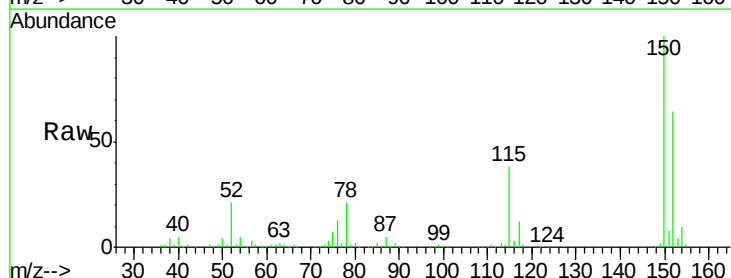


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

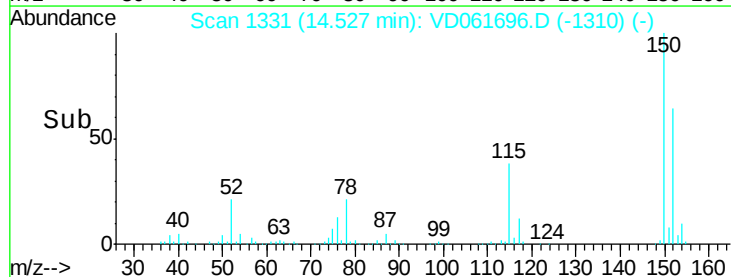
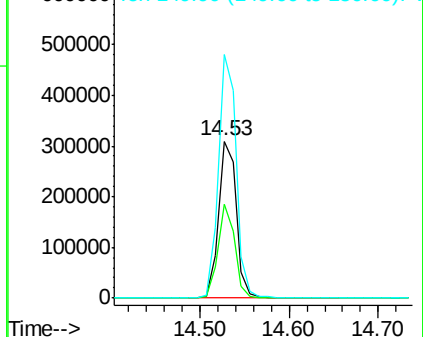


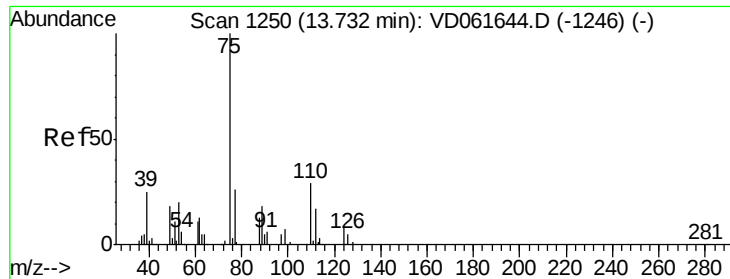
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061696.D
Acq: 10 Apr 2019 2:58

Tgt Ion:152 Resp: 432791
Ion Ratio Lower Upper
152 100
115 59.6 26.4 79.2
150 155.3 0.0 320.6



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

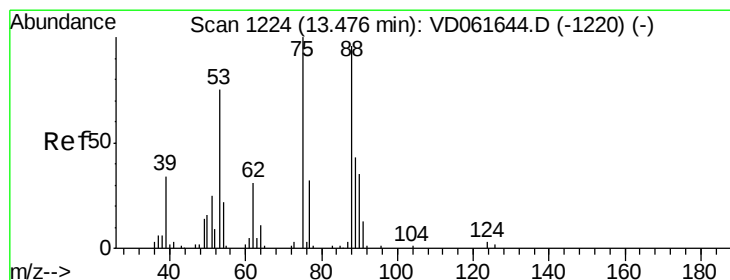
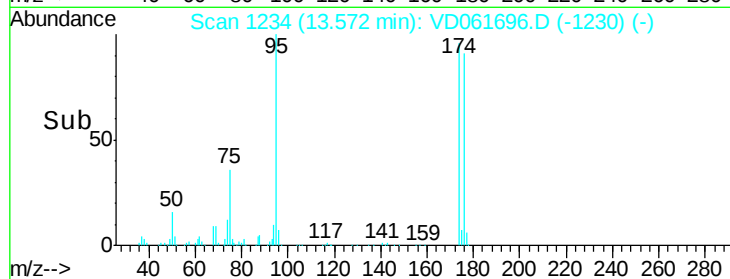
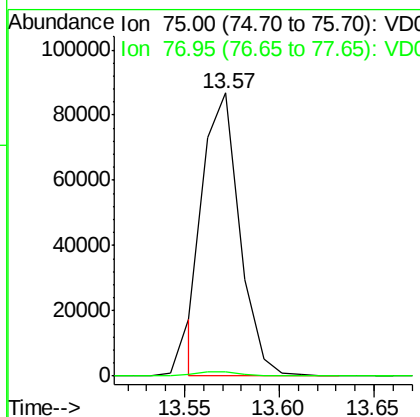
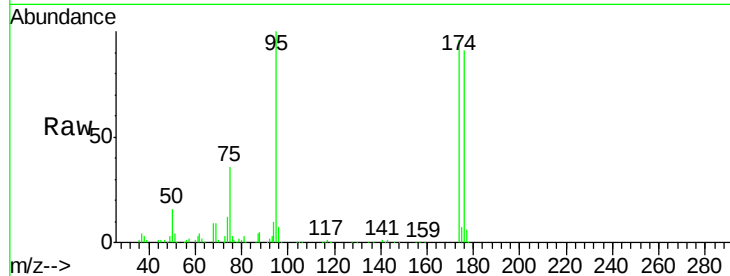




#76
 1,2,3-Trichloropropane
 Concen: 19.667 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. -0.16 min
 Lab File: VD061696.D
 Acq: 10 Apr 2019 2:58

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 75 Resp: 115800
 Ion Ratio Lower Upper
 75 100
 77 1.5 15.7 47.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.870 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. 0.10 min
 Lab File: VD061696.D
 Acq: 10 Apr 2019 2:58

Tgt Ion: 75 Resp: 126629
 Ion Ratio Lower Upper
 75 100
 53 0.0 60.2 90.2#
 89 0.0 34.2 51.2#

