

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030419\
 Data File : VD060926.D
 Acq On : 4 Mar 2019 16:27
 Operator : VA/AP
 Sample : K1670-04RE
 Misc : 6.94g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-GF-02-032-B

Quant Time: Mar 05 01:33:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 02 01:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	585205	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	995740	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	736088	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	284797	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.48	65	207022	42.79	ug/l	0.03
Spiked Amount	50.000		Recovery	=	85.58%	
35) Dibromofluoromethane	6.94	113	360228	45.13	ug/l	0.03
Spiked Amount	50.000		Recovery	=	90.26%	
50) Toluene-d8	10.43	98	893472	44.98	ug/l	0.03
Spiked Amount	50.000		Recovery	=	89.96%	
62) 4-Bromofluorobenzene	13.57	95	325110	43.31	ug/l	0.02
Spiked Amount	50.000		Recovery	=	86.62%	

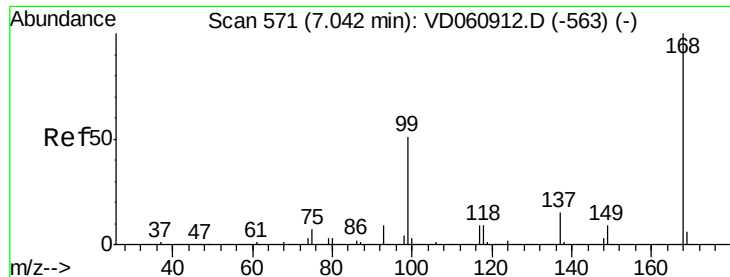
Target Compounds

						Qvalue
10) Methyl Iodide	3.33	142	724	4.800	ug/l #	40
11) Tert butyl alcohol	4.02	59	3583	9.937	ug/l #	77
16) Acetone	3.24	43	49369	30.563	ug/l	91
20) Methylene Chloride	3.84	84	112510	11.909	ug/l	94
29) Tetrahydrofuran	6.48	42	1511	1.465	ug/l #	43
36) 1,1-Dichloropropene	7.06	75	40998	4.478	ug/l #	46
37) Ethyl Acetate	6.17	43	5236	1.113	ug/l #	13
38) Carbon Tetrachloride	7.07	117	52560	5.344	ug/l #	15
69) o-Xylene	13.06	106	12007	1.341	ug/l	92
76) 1,2,3-Trichloropropane	13.57	75	104678	22.684	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.57	75	114813	84.071	ug/l #	20
89) n-Butylbenzene	14.79	91	12391	Below Cal	#	1

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

```
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030419\  
Data File : VD060926.D  
Acq On    : 4 Mar 2019 16:27  
Operator  : VA/AP  
Sample    : K1670-04RE  
Misc      : 6.94q/5ml/MSVOA D/SOIL  
ALS Vial  : 11 Sample Multiplier: 1
```

Quant Time: Mar 05 01:33:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 02 01:28:28 2019
Response via : Initial Calibration



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.03 min

Lab File: VD060926.D

Acq: 4 Mar 2019 16:27

Instrument :

MSVOA_D

ClientSampleId :

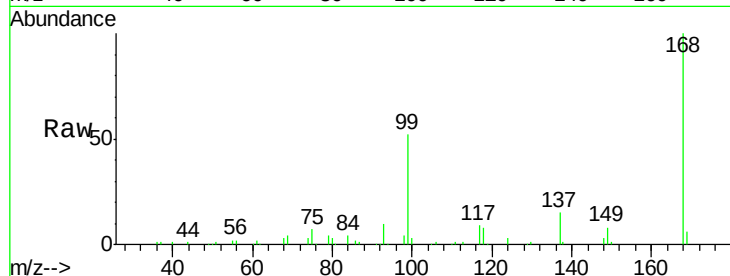
FK-GF-02-032-B

Tot Ion:168 Resp: 585205

Ion Ratio Lower Upper

168 100

99 51.9 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

200000

150000

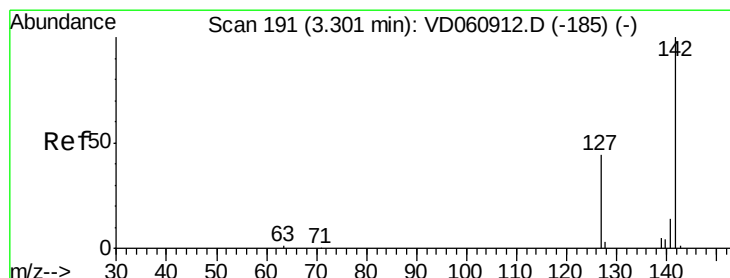
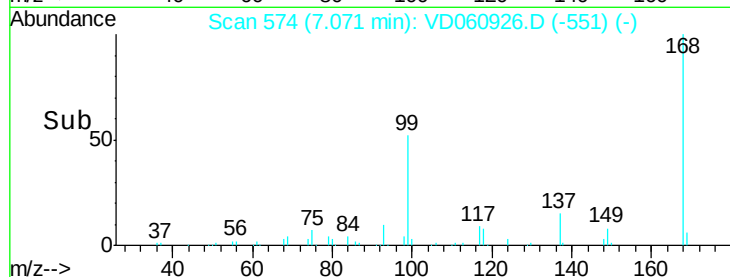
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#10

Methyl Iodide

Concen: 4.800 ug/l

RT: 3.33 min Scan# 194

Delta R.T. 0.03 min

Lab File: VD060926.D

Acq: 4 Mar 2019 16:27

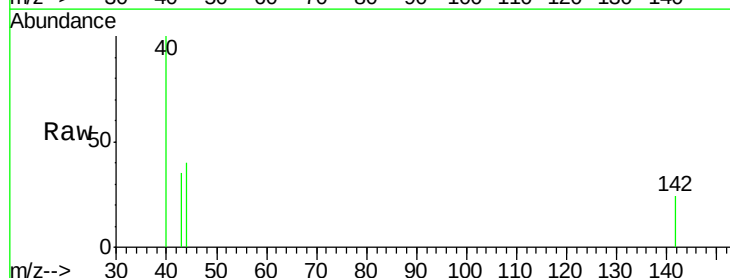
Tgt Ion:142 Resp: 724

Ion Ratio Lower Upper

142 100

127 0.0 35.0 52.6#

141 0.0 11.0 16.4#



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

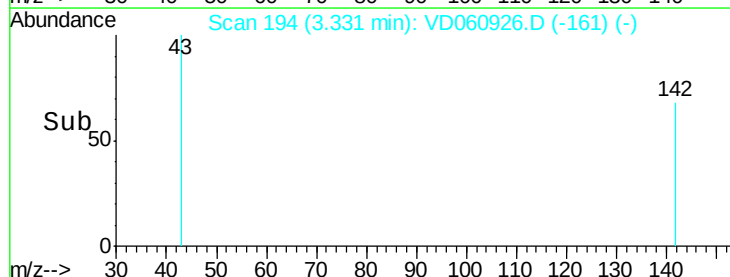
200

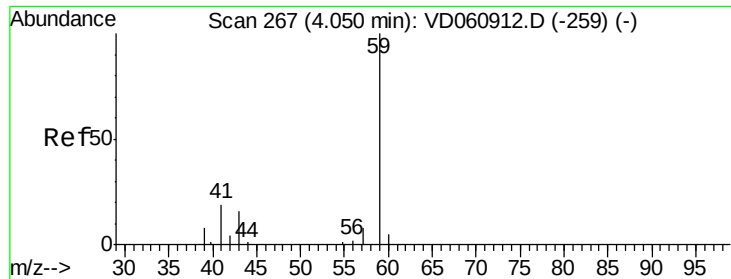
100

0

Time-->

3.30 3.35

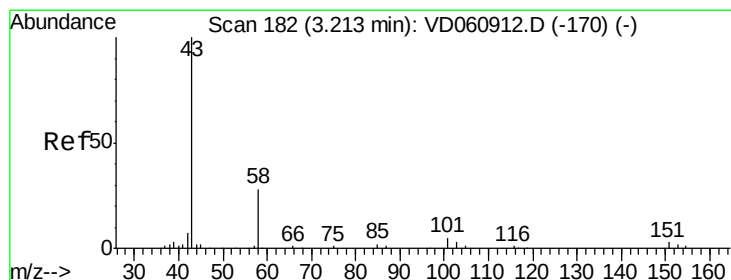
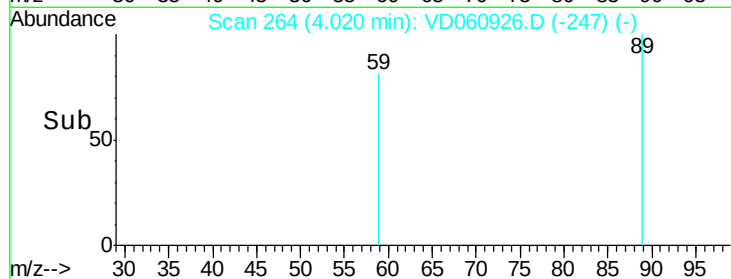
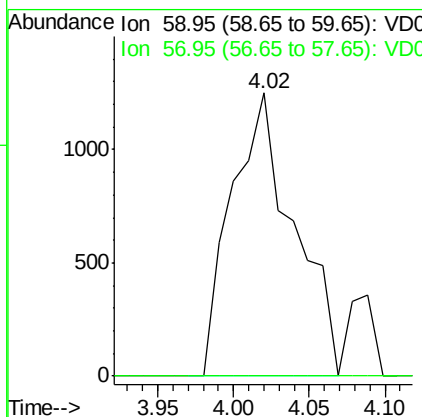
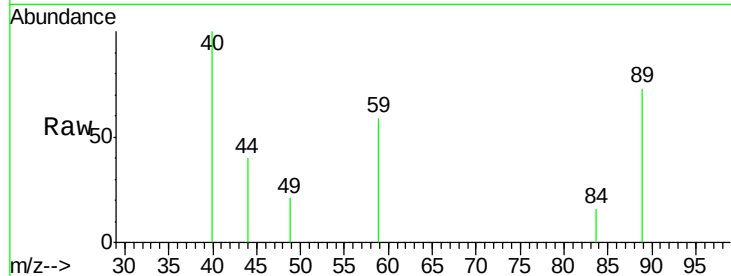




#11
Tert butyl alcohol
Concen: 9.937 ug/l
RT: 4.02 min Scan# 264
Delta R.T. -0.03 min
Lab File: VD060926.D
Acq: 4 Mar 2019 16:27

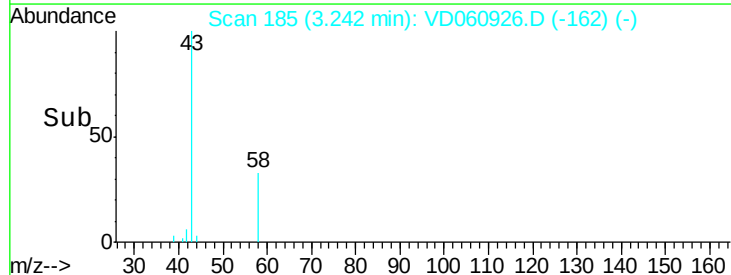
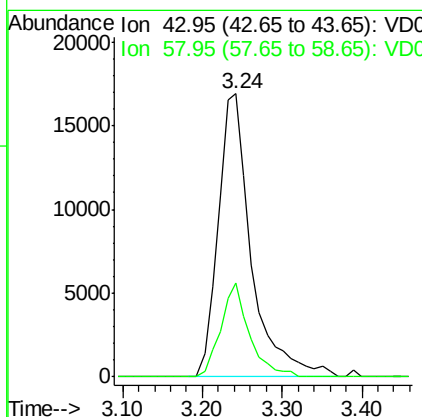
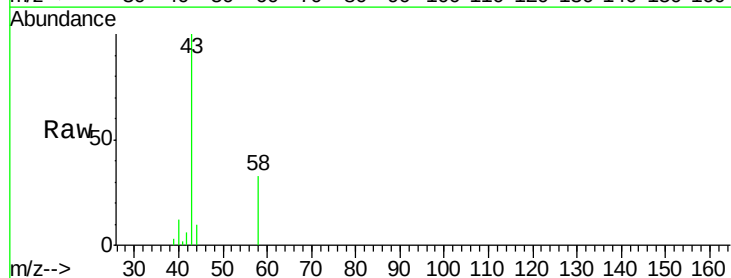
Instrument :
MSVOA_D
ClientSampleId :
FK-GF-02-032-B

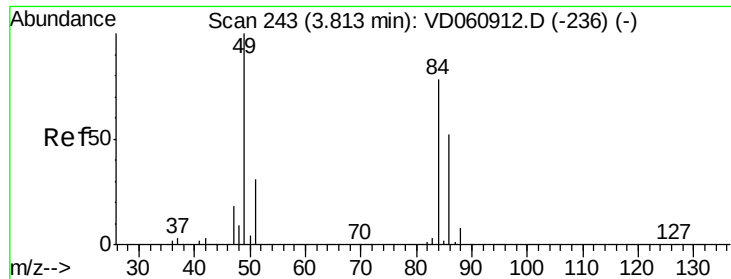
Tot Ion: 59 Resp: 3583
Ion Ratio Lower Upper
59 100
57 0.0 6.5 9.7#



#16
Acetone
Concen: 30.563 ug/l
RT: 3.24 min Scan# 185
Delta R.T. 0.03 min
Lab File: VD060926.D
Acq: 4 Mar 2019 16:27

Tgt Ion: 43 Resp: 49369
Ion Ratio Lower Upper
43 100
58 33.3 22.8 34.2

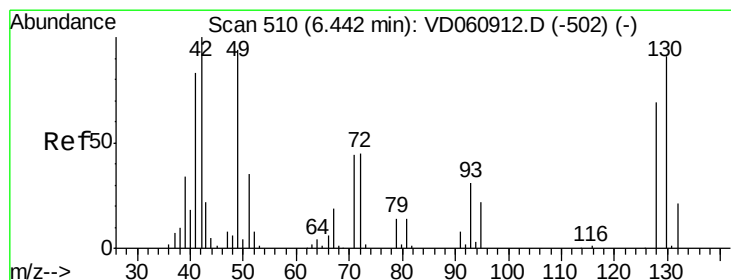
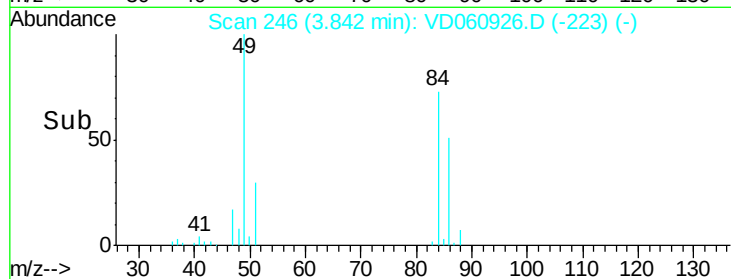
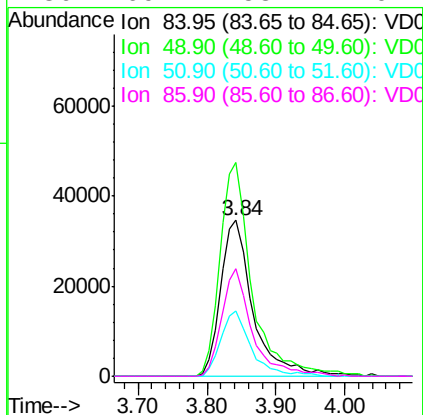
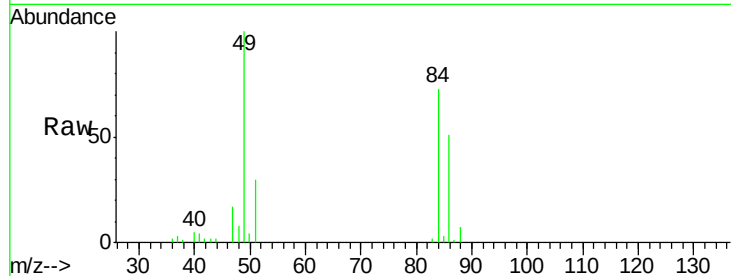




#20
Methylene Chloride
Concen: 11.909 ug/l
RT: 3.84 min Scan# 246
Delta R.T. 0.03 min
Lab File: VD060926.D
Acq: 4 Mar 2019 16:27

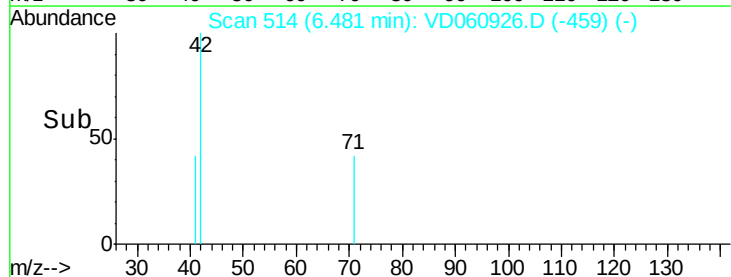
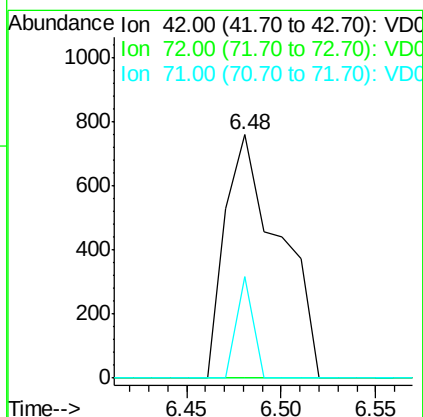
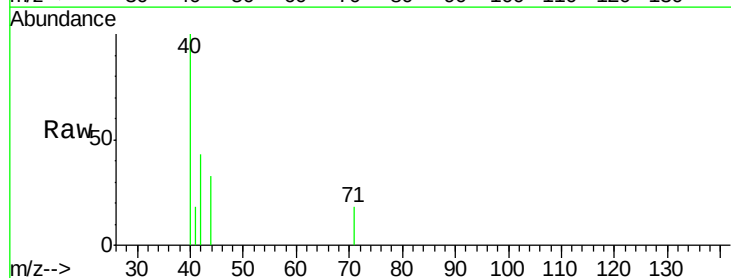
Instrument :
MSVOA_D
ClientSampleId :
FK-GF-02-032-B

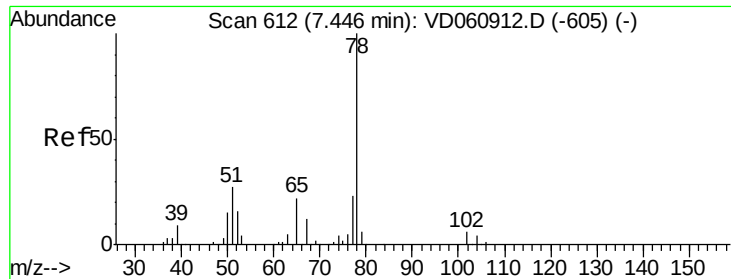
Tot Ion: 84 Resp: 112510
Ion Ratio Lower Upper
84 100
49 136.8 102.4 153.6
51 41.5 31.9 47.9
86 69.1 53.1 79.7



#29
Tetrahydrofuran
Concen: 1.465 ug/l
RT: 6.48 min Scan# 514
Delta R.T. 0.04 min
Lab File: VD060926.D
Acq: 4 Mar 2019 16:27

Tgt Ion: 42 Resp: 1511
Ion Ratio Lower Upper
42 100
72 0.0 33.8 50.6#
71 12.4 33.5 50.3#

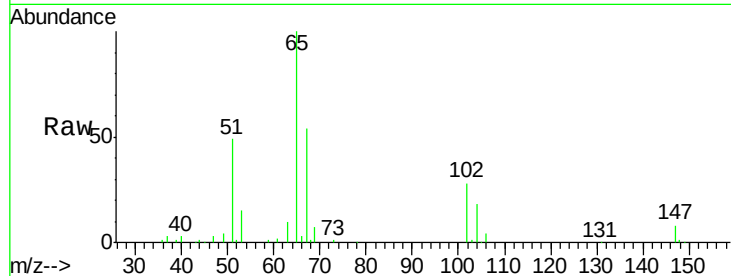




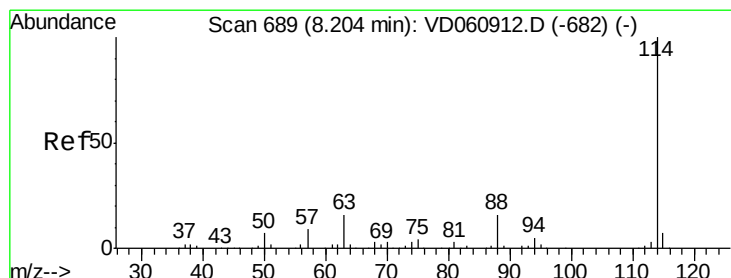
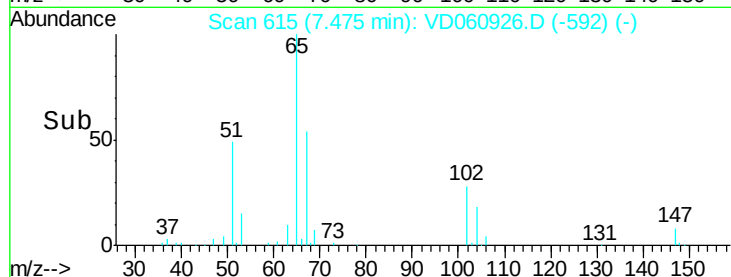
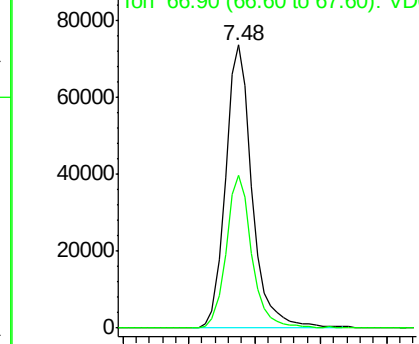
#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.48 min Scan# 615
 Delta R.T. 0.03 min
 Lab File: VD060926.D
 Acq: 4 Mar 2019 16:27

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-GF-02-032-B

Tot Ion: 65 Resp: 207022
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 109.4

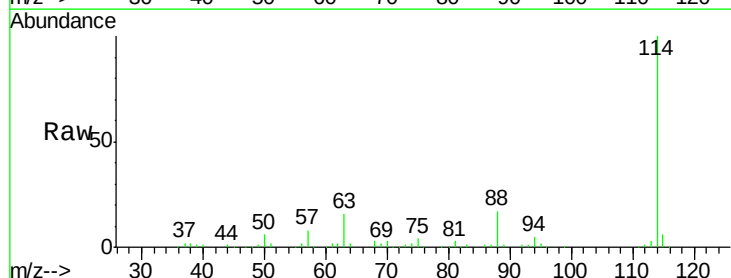


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

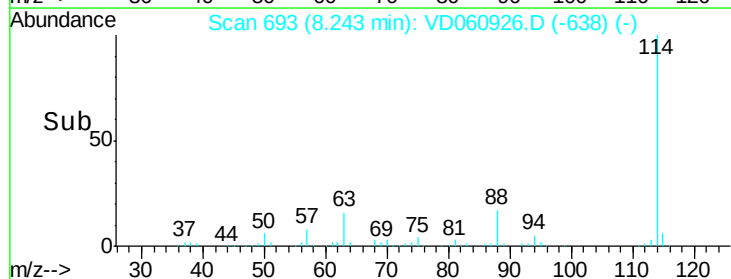
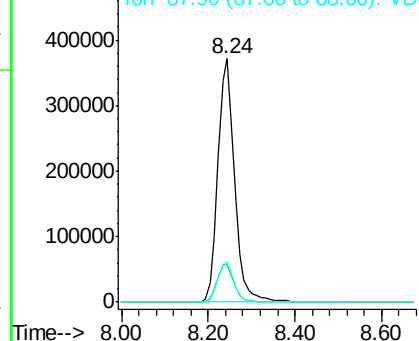


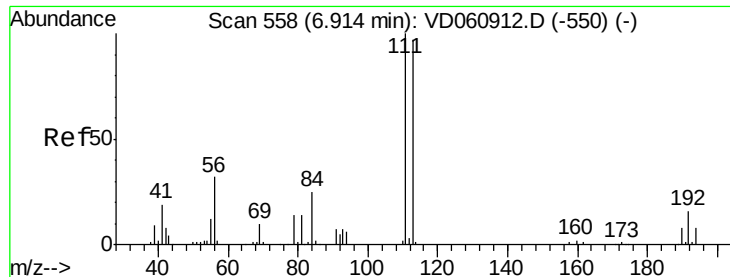
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 693
 Delta R.T. 0.04 min
 Lab File: VD060926.D
 Acq: 4 Mar 2019 16:27

Tgt Ion: 114 Resp: 995740
 Ion Ratio Lower Upper
 114 100
 63 15.6 0.0 32.0
 88 16.6 0.0 32.8



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





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.03 min

Lab File: VD060926.D

Acq: 4 Mar 2019 16:27

Instrument :

MSVOA_D

ClientSampleId :

FK-GF-02-032-B

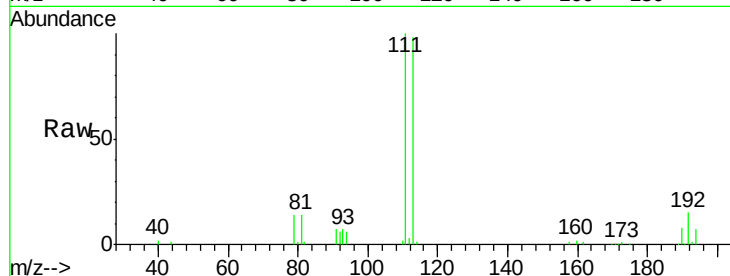
Tot Ion:113 Resp: 360228

Ion Ratio Lower Upper

113 100

111 101.6 82.6 124.0

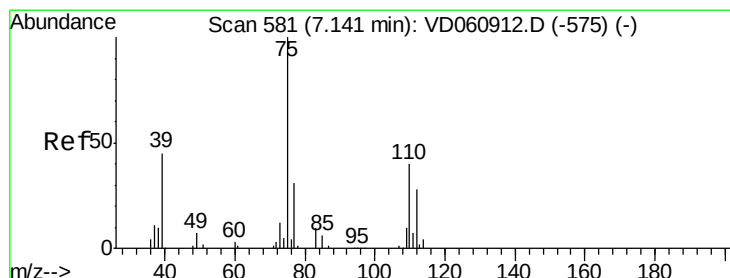
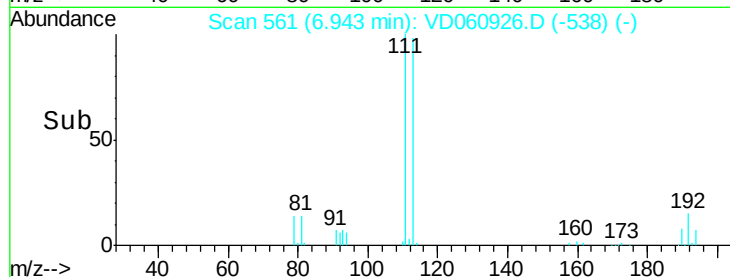
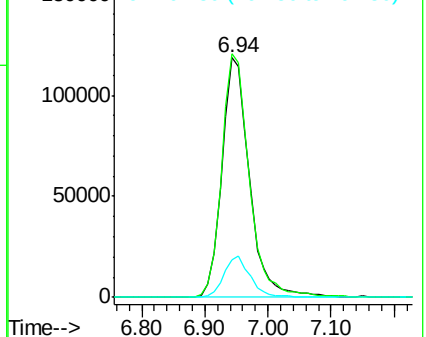
192 15.7 13.4 20.2



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: 4.478 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.08 min

Lab File: VD060926.D

Acq: 4 Mar 2019 16:27

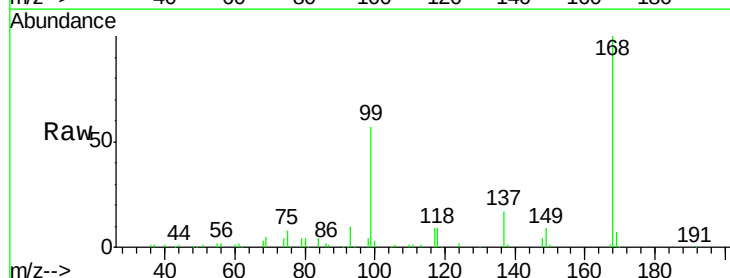
Tgt Ion: 75 Resp: 40998

Ion Ratio Lower Upper

75 100

110 8.2 19.9 59.7#

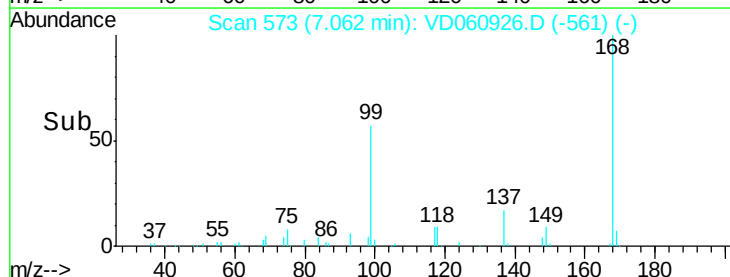
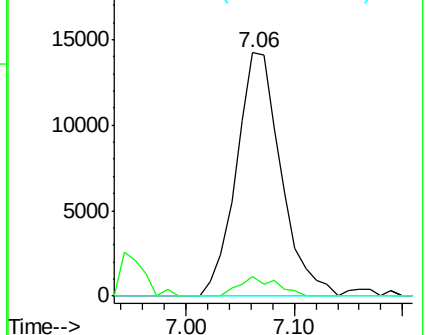
77 0.0 25.0 37.6#

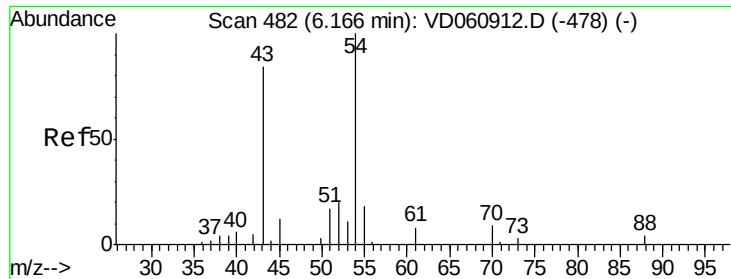


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 1.113 ug/l

RT: 6.17 min Scan# 482

Delta R.T. -0.00 min

Lab File: VD060926.D

Acq: 4 Mar 2019 16:27

Instrument :

MSVOA_D

ClientSampleId :

FK-GF-02-032-B

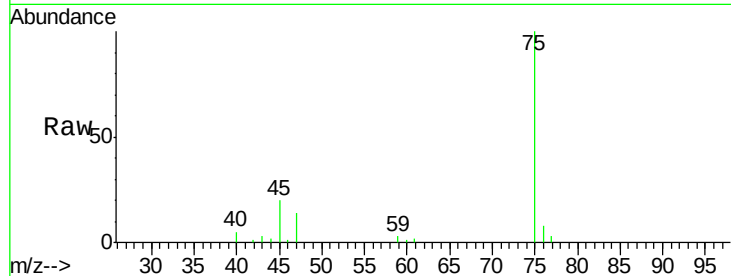
Tot Ion: 43 Resp: 5236

Ion Ratio Lower Upper

43 100

61 67.0 12.1 18.1#

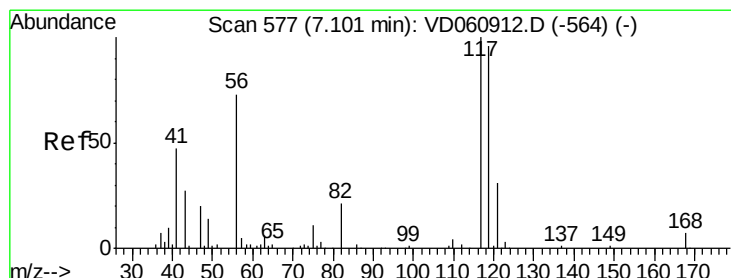
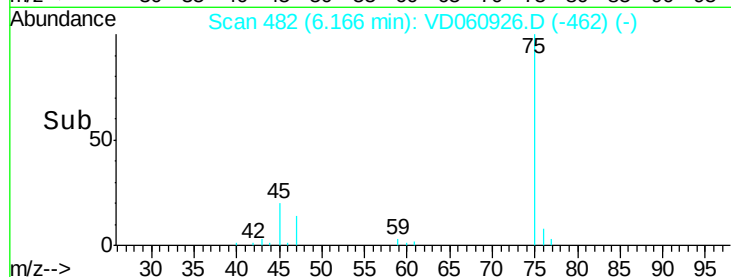
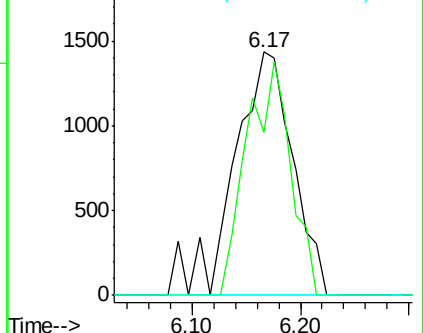
70 0.0 7.3 10.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 5.344 ug/l

RT: 7.07 min Scan# 574

Delta R.T. -0.03 min

Lab File: VD060926.D

Acq: 4 Mar 2019 16:27

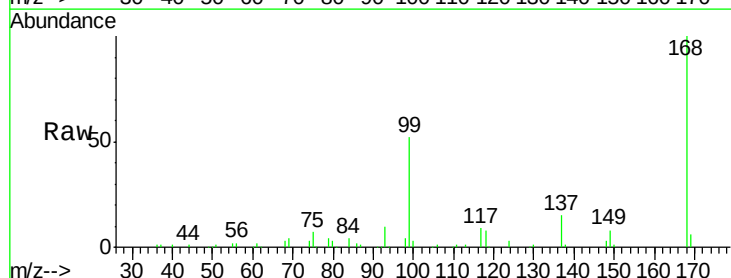
Tgt Ion: 117 Resp: 52560

Ion Ratio Lower Upper

117 100

119 3.8 76.9 115.3#

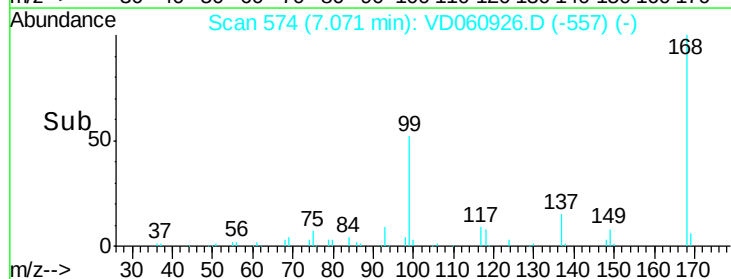
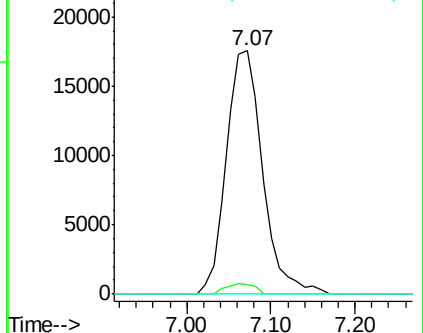
121 0.0 24.5 36.7#

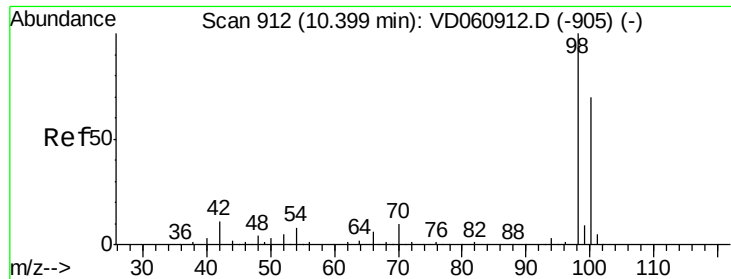


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

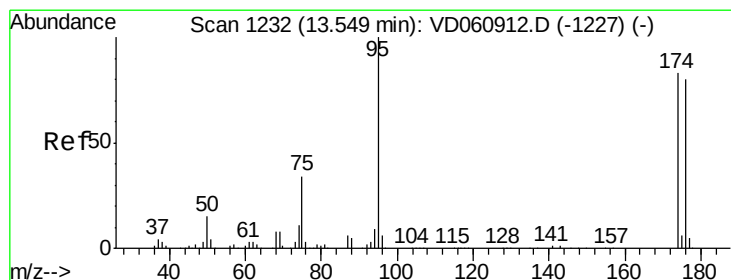
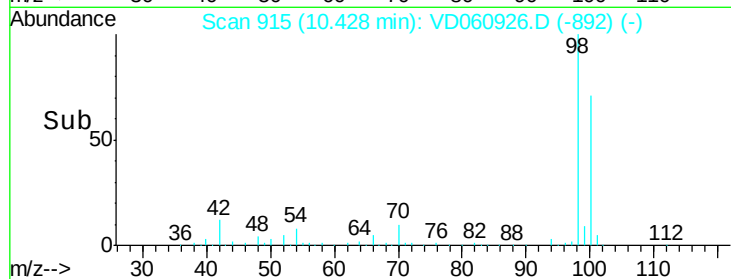
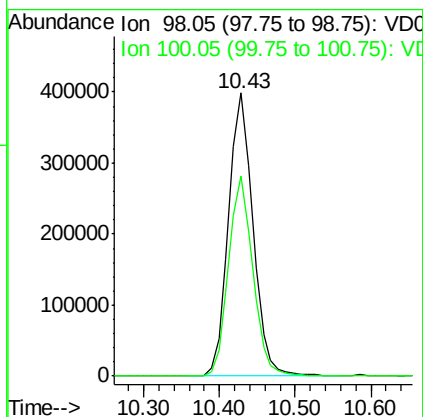
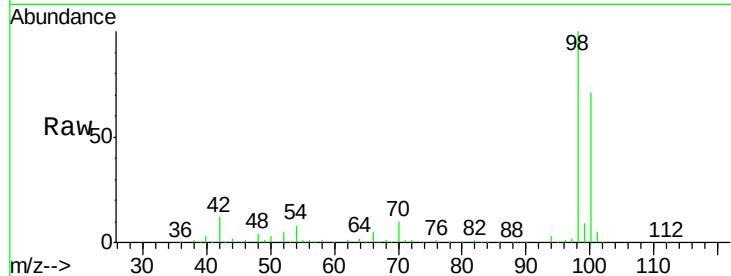




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD060926.D
Acq: 4 Mar 2019 16:27

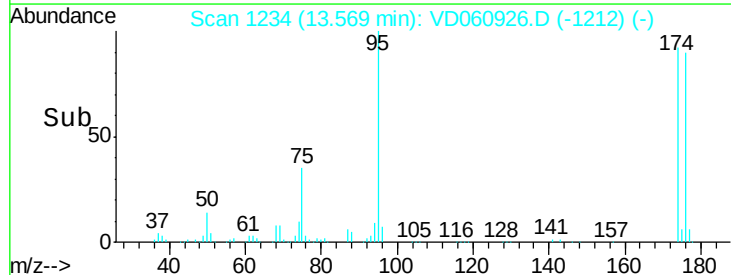
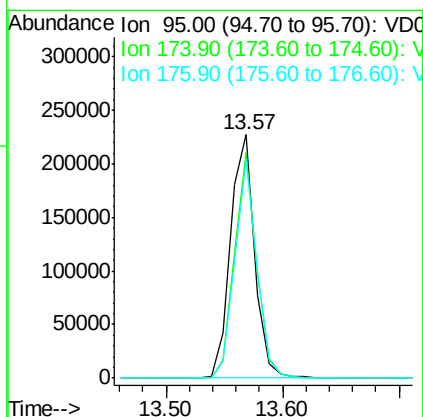
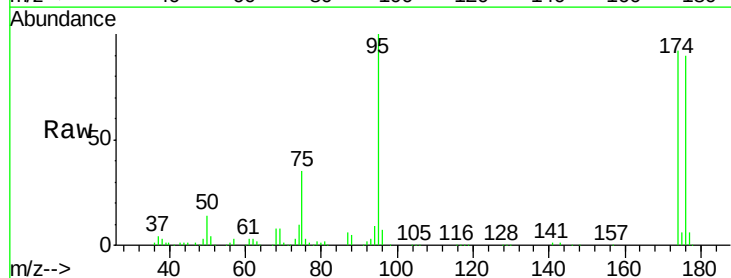
Instrument :
MSVOA_D
ClientSampleId :
FK-GF-02-032-B

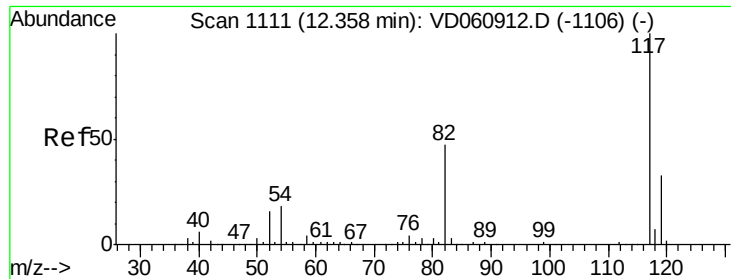
Tot Ion: 98 Resp: 893472
Ion Ratio Lower Upper
98 100
100 70.8 57.0 85.4



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.57 min Scan# 1234
Delta R.T. 0.02 min
Lab File: VD060926.D
Acq: 4 Mar 2019 16:27

Tgt Ion: 95 Resp: 325110
Ion Ratio Lower Upper
95 100
174 92.5 0.0 165.6
176 89.9 0.0 160.6

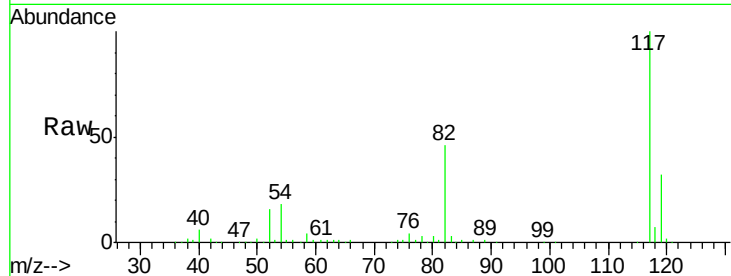




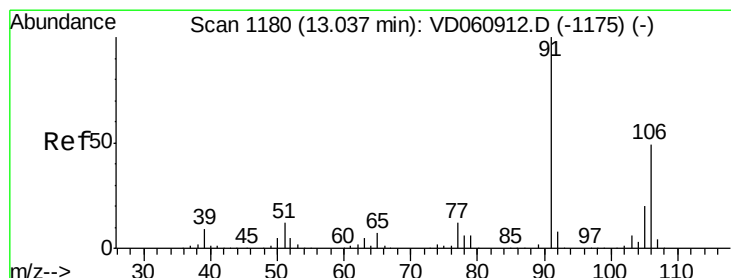
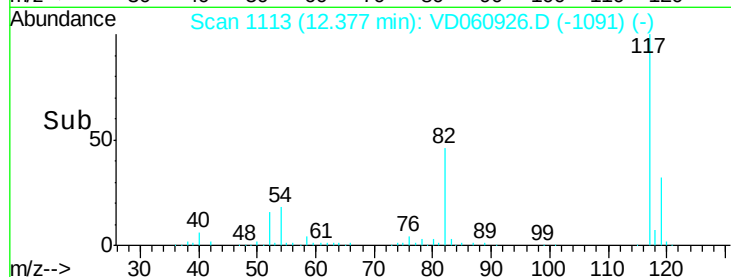
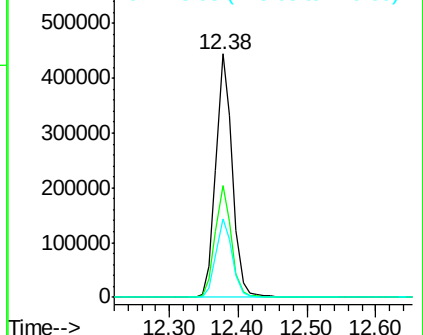
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD060926.D
Acq: 4 Mar 2019 16:27

Instrument :
MSVOA_D
ClientSampleId :
FK-GF-02-032-B

Tot Ion:117 Resp: 736088
Ion Ratio Lower Upper
117 100
82 45.7 37.5 56.3
119 32.1 26.2 39.2

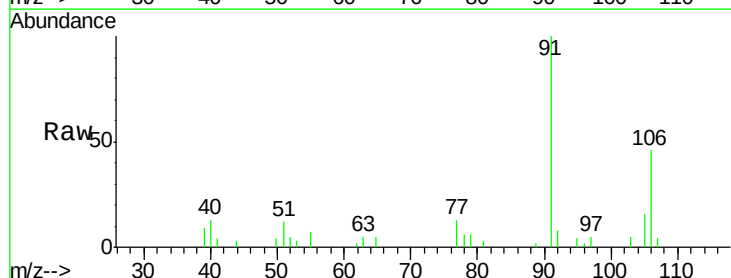


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

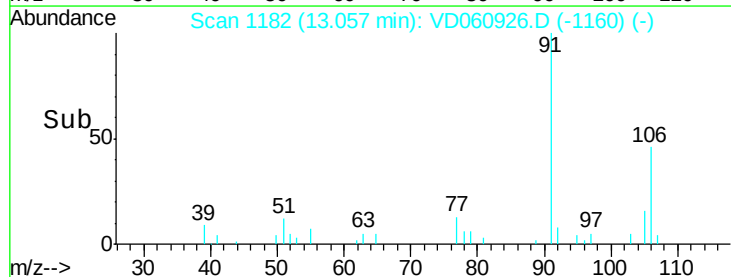
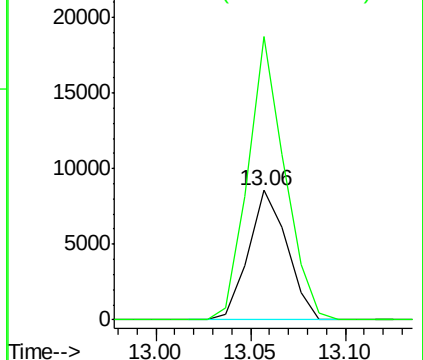


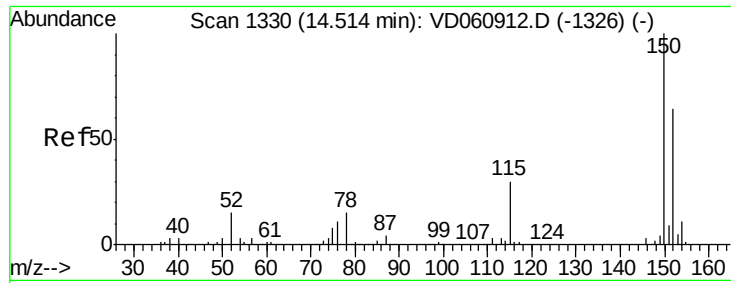
#69
o-Xylene
Concen: 1.341 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD060926.D
Acq: 4 Mar 2019 16:27

Tgt Ion:106 Resp: 12007
Ion Ratio Lower Upper
106 100
91 218.6 102.9 308.7



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V



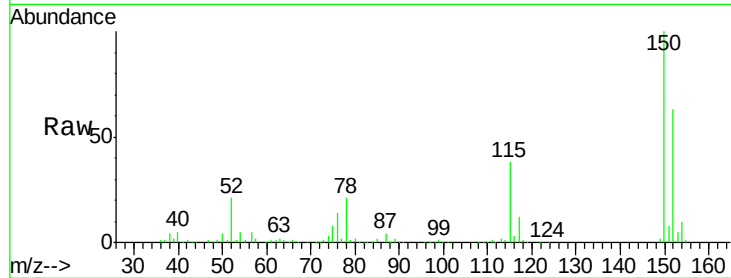


#72

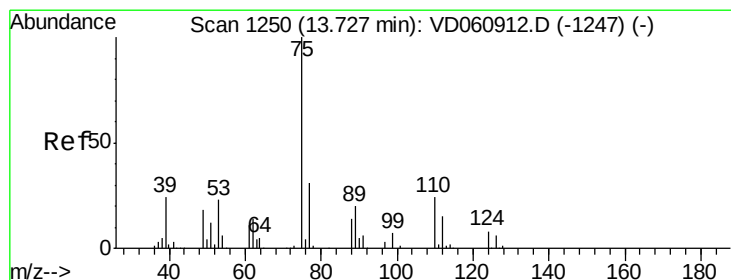
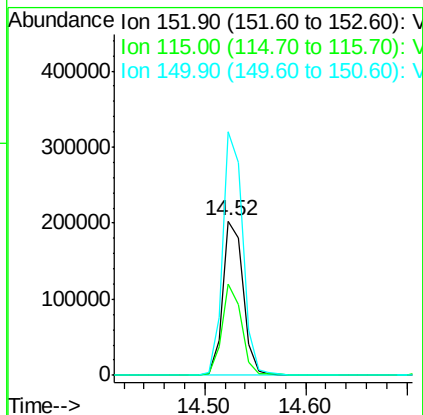
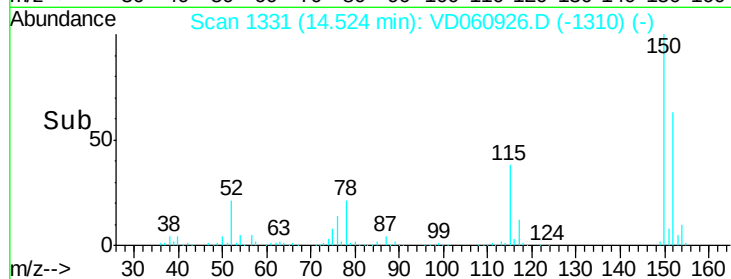
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD060926.D
Acq: 4 Mar 2019 16:27

Instrument :
MSVOA_D
ClientSampleId :
FK-GF-02-032-B

Tot Ion:152 Resp: 284797
Ion Ratio Lower Upper
152 100
115 59.2 27.6 82.8
150 157.6 0.0 312.8



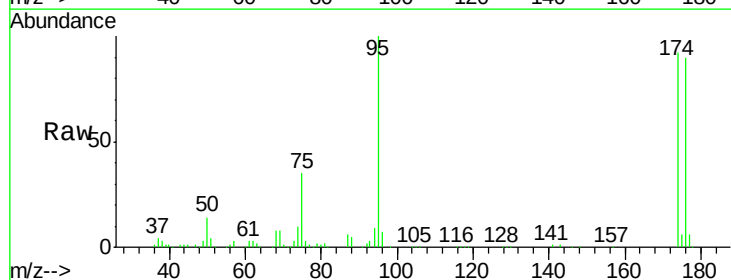
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



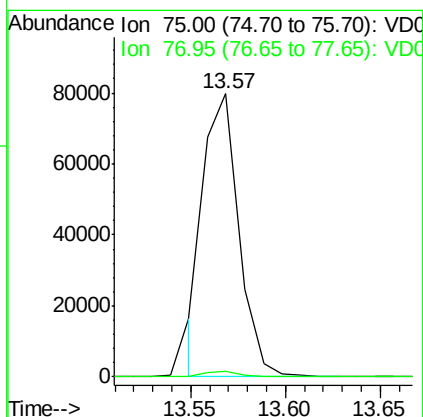
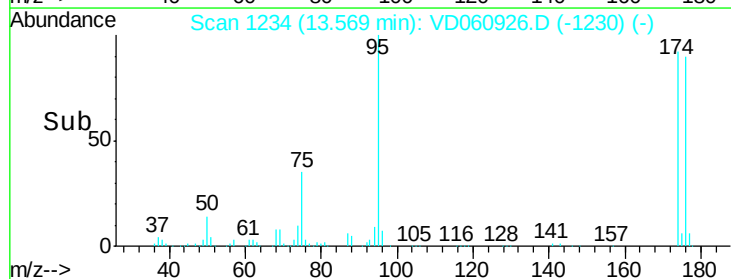
#76

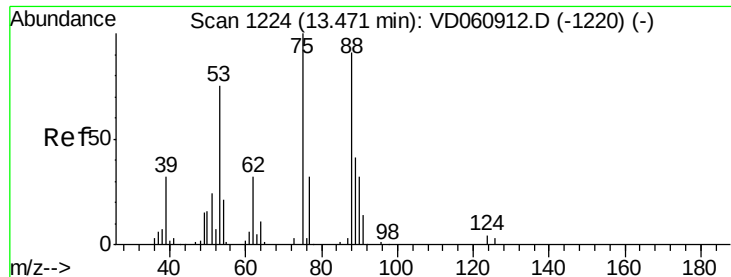
1,2,3-Trichloropropane
Concen: 22.684 ug/l
RT: 13.57 min Scan# 1234
Delta R.T. -0.16 min
Lab File: VD060926.D
Acq: 4 Mar 2019 16:27

Tgt Ion: 75 Resp: 104678
Ion Ratio Lower Upper
75 100
77 1.8 16.2 48.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 84.071 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.10 min

Lab File: VD060926.D

Acq: 4 Mar 2019 16:27

Instrument :

MSVOA_D

ClientSampleId :

FK-GF-02-032-B

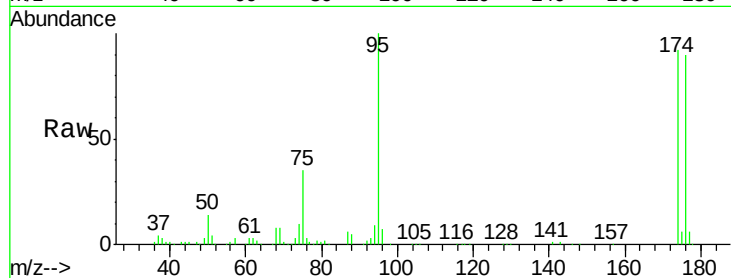
Tot Ion: 75 Resp: 114813

Ion Ratio Lower Upper

75 100

53 0.0 59.8 89.6#

89 0.0 33.0 49.6#



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

