

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030419\
 Data File : VD060925.D
 Acq On : 4 Mar 2019 15:59
 Operator : VA/AP
 Sample : K1670-02
 Misc : 7.21g/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Mar 05 02:25:59 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

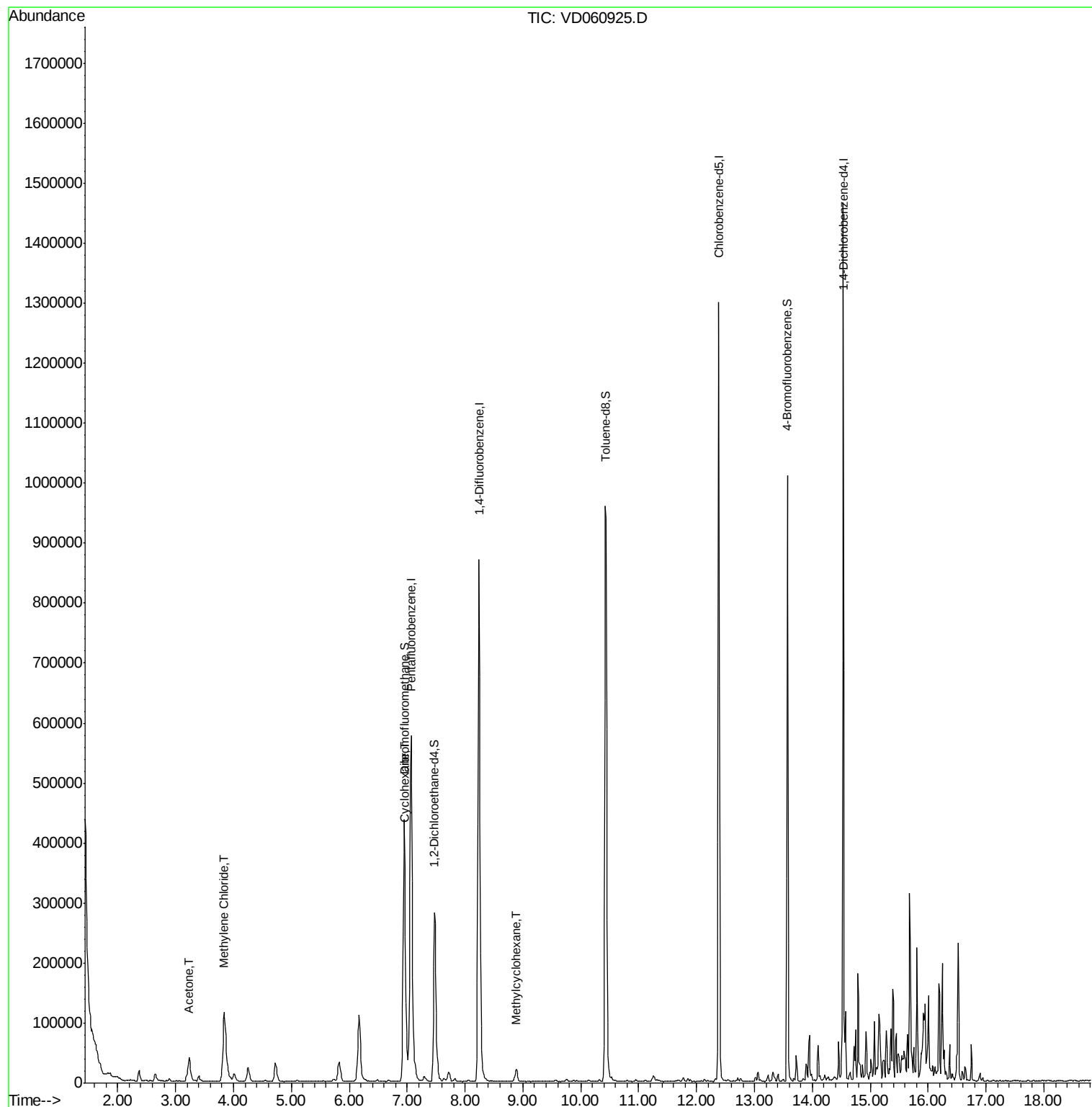
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	613028	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	1101822	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	857356	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	319411	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	244482	48.24	ug/l	0.03
Spiked Amount 50.000			Recovery	=	96.48%	
35) Dibromofluoromethane	6.95	113	402337	45.55	ug/l	0.04
Spiked Amount 50.000			Recovery	=	91.10%	
50) Toluene-d8	10.43	98	885904	40.30	ug/l	0.04
Spiked Amount 50.000			Recovery	=	80.60%	
62) 4-Bromofluorobenzene	13.57	95	331379	39.90	ug/l	0.02
Spiked Amount 50.000			Recovery	=	79.80%	
Target Compounds						
16) Acetone	3.24	43	82597	48.814	ug/l	Qvalue 100
20) Methylene Chloride	3.84	84	76070	6.298	ug/l	97
31) Cyclohexane	6.97	56	21178	1.893	ug/l	90
39) Methylcyclohexane	8.89	83	12474	1.126	ug/l #	86

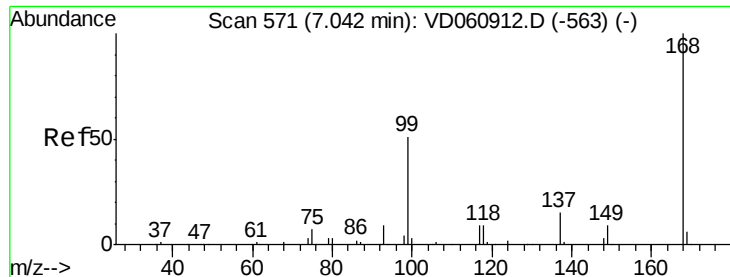
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030419\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.03 min

Lab File: VD060925.D

Acq: 4 Mar 2019 15:59

Instrument :

MSVOA_D

ClientSampleId :

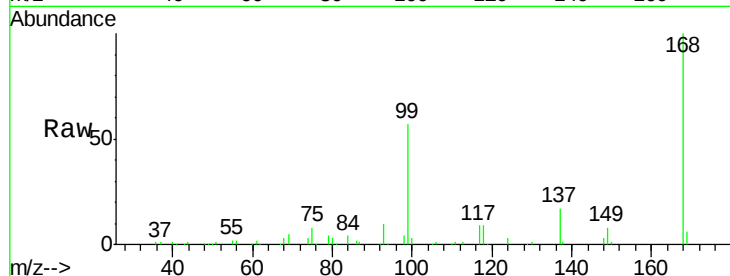
FK-GF-02-032-A

Tot Ion:168 Resp: 613028

Ion Ratio Lower Upper

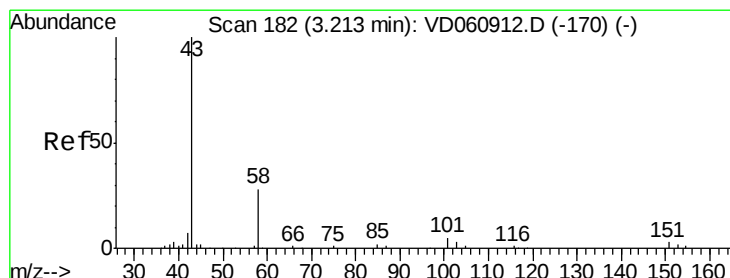
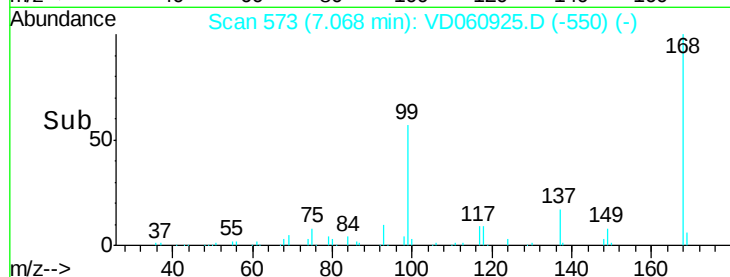
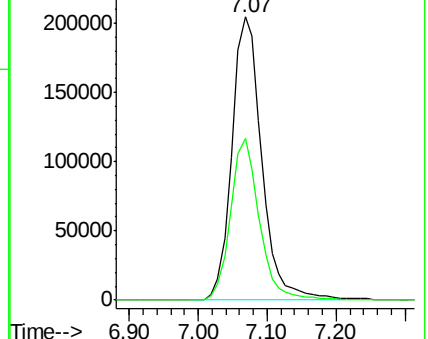
168 100

99 57.2 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 48.814 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.03 min

Lab File: VD060925.D

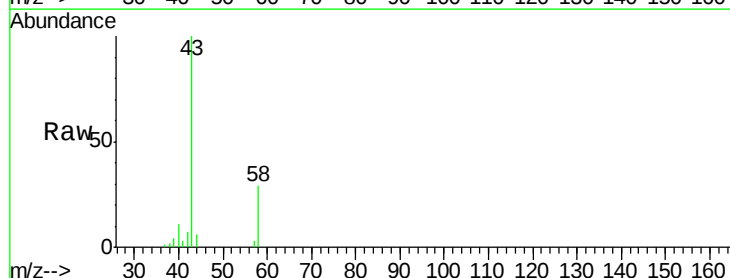
Acq: 4 Mar 2019 15:59

Tgt Ion: 43 Resp: 82597

Ion Ratio Lower Upper

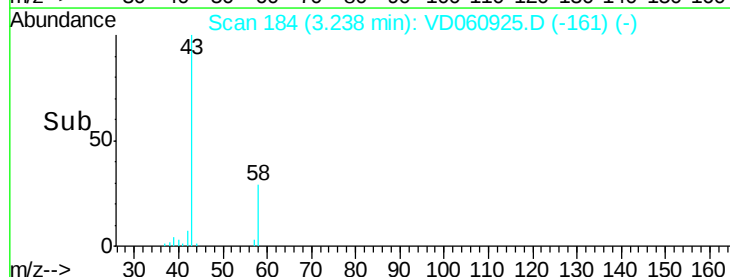
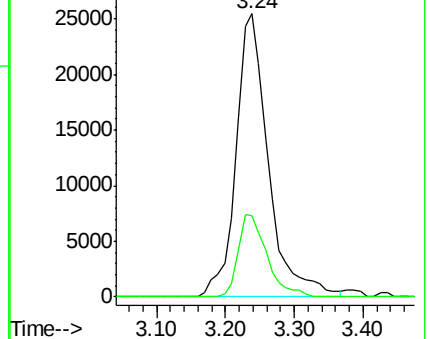
43 100

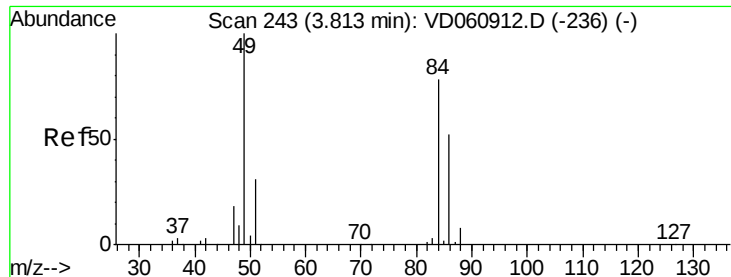
58 28.7 22.8 34.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

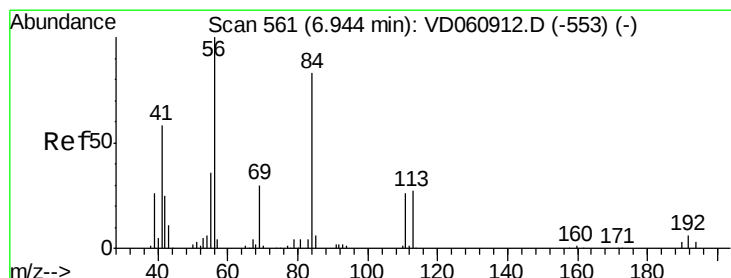
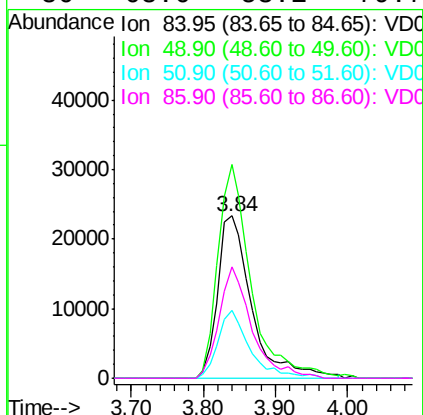
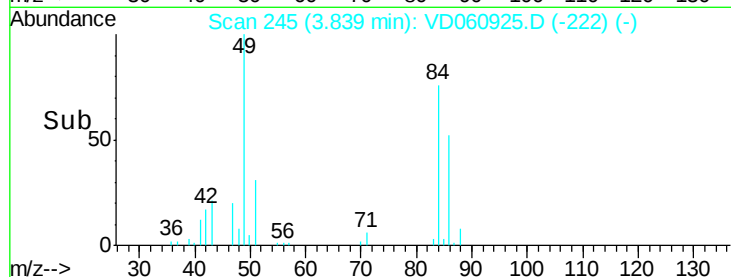
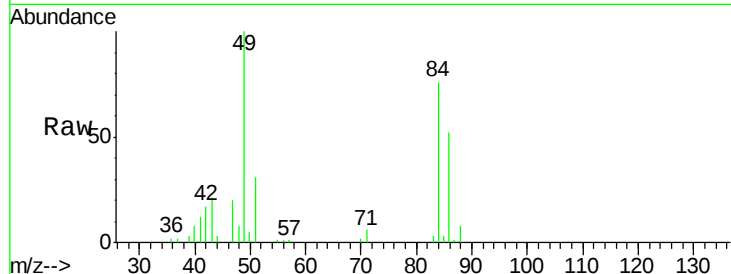




#20
Methylene Chloride
Concen: 6.298 ug/l
RT: 3.84 min Scan# 245
Delta R.T. 0.03 min
Lab File: VD060925.D
Acq: 4 Mar 2019 15:59

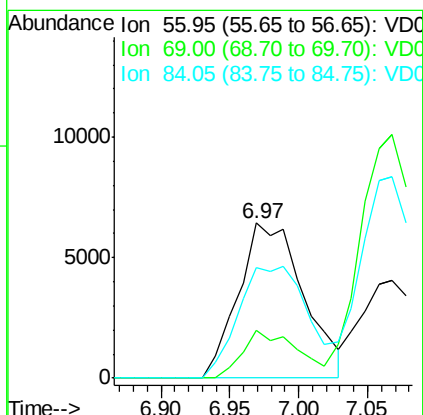
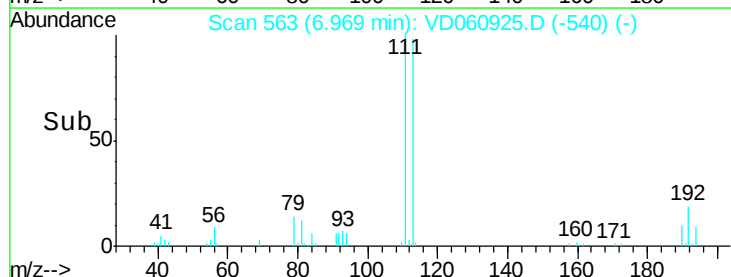
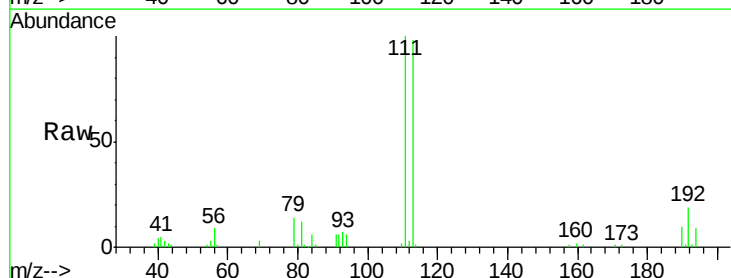
Instrument :
MSVOA_D
ClientSampleId :
FK-GF-02-032-A

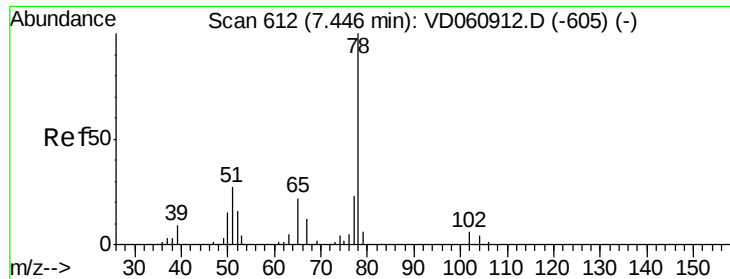
Tot Ion: 84 Resp: 76070
Ion Ratio Lower Upper
84 100
49 131.8 102.4 153.6
51 41.5 31.9 47.9
86 68.6 53.1 79.7



#31
Cyclohexane
Concen: 1.893 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.03 min
Lab File: VD060925.D
Acq: 4 Mar 2019 15:59

Tgt Ion: 56 Resp: 21178
Ion Ratio Lower Upper
56 100
69 30.5 23.6 35.4
84 71.3 66.5 99.7





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.03 min

Lab File: VD060925.D

Acq: 4 Mar 2019 15:59

Instrument :

MSVOA_D

ClientSampleId :

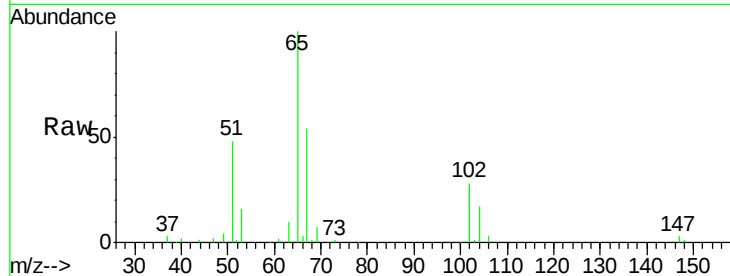
FK-GF-02-032-A

Tot Ion: 65 Resp: 244482

Ion Ratio Lower Upper

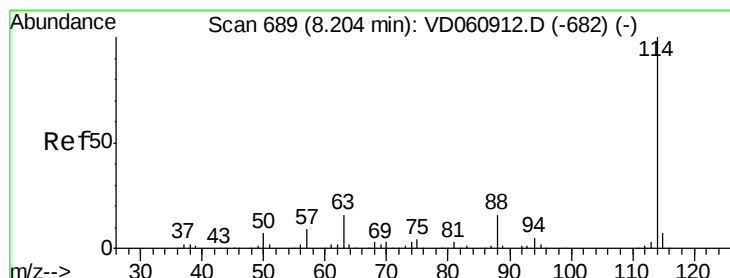
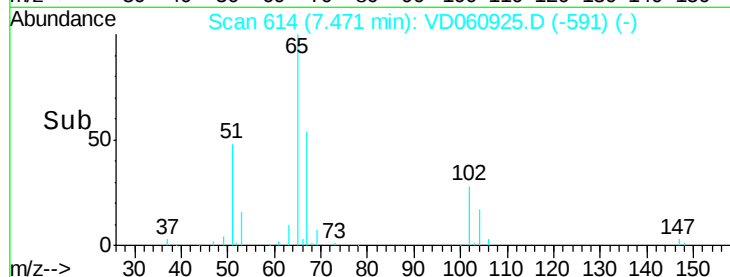
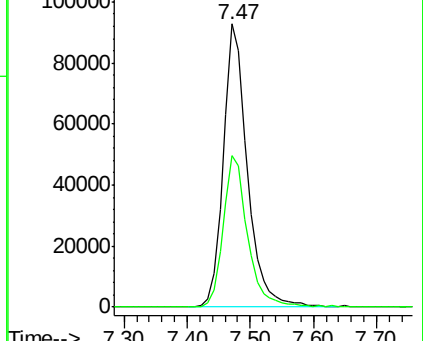
65 100

67 53.6 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# 692

Delta R.T. 0.04 min

Lab File: VD060925.D

Acq: 4 Mar 2019 15:59

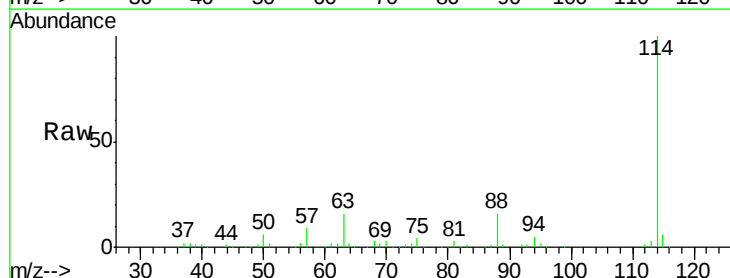
Tgt Ion: 114 Resp: 1101822

Ion Ratio Lower Upper

114 100

63 15.7 0.0 32.0

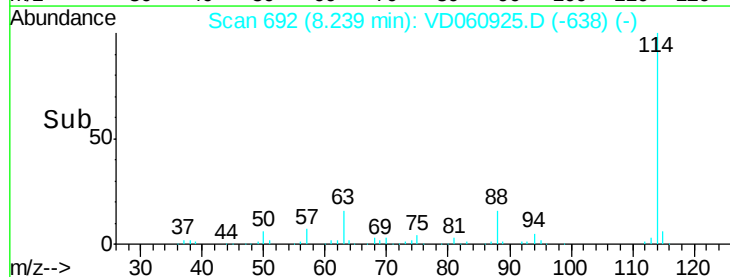
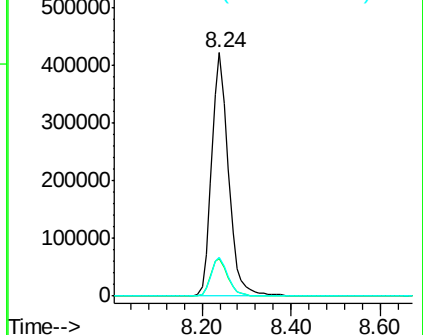
88 16.1 0.0 32.8

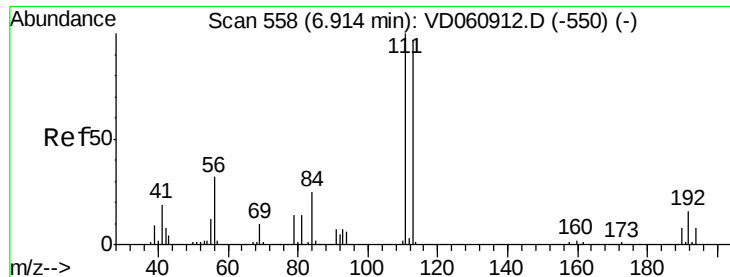


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

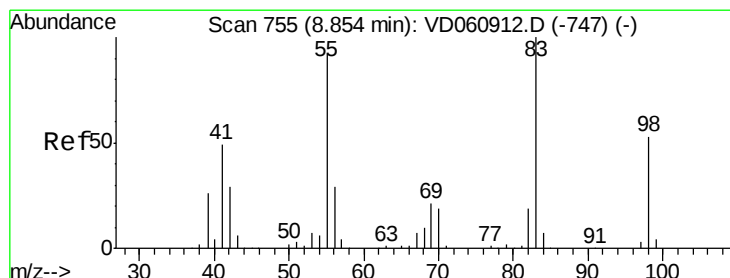
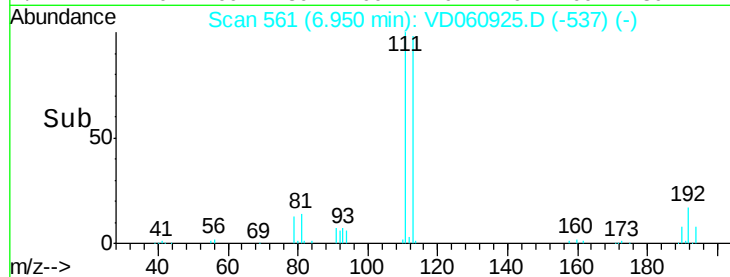
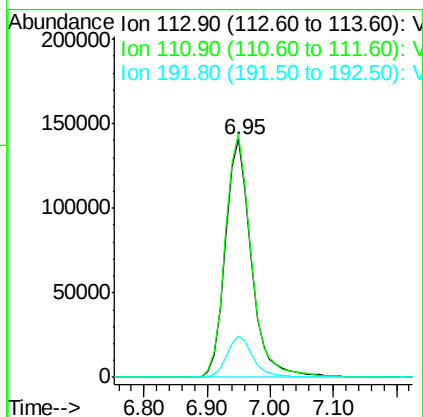
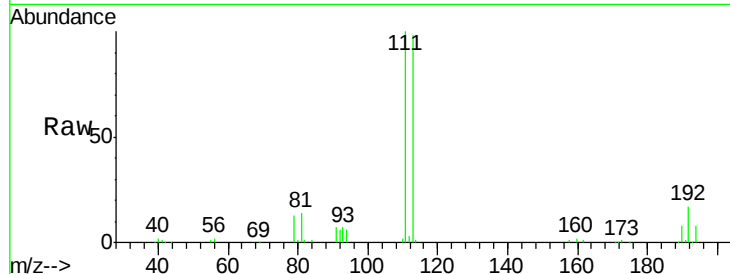




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.04 min
Lab File: VD060925.D
Acq: 4 Mar 2019 15:59

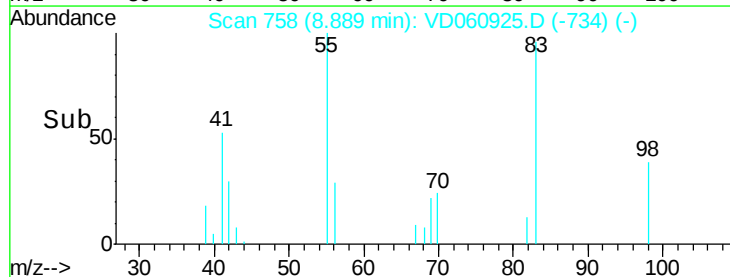
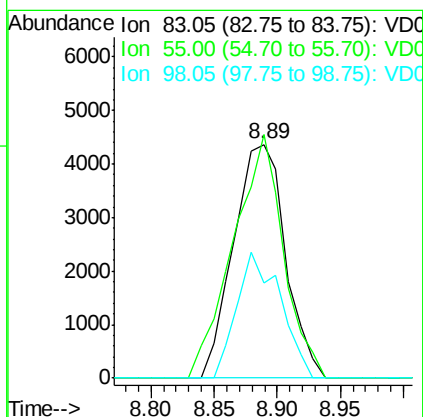
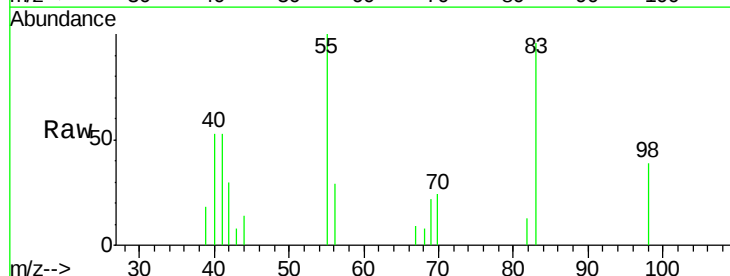
Instrument :
MSVOA_D
ClientSampleId :
FK-GF-02-032-A

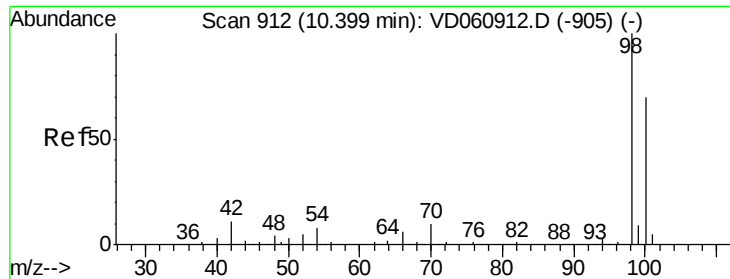
Tot Ion:113 Resp: 402337
Ion Ratio Lower Upper
113 100
111 102.2 82.6 124.0
192 17.3 13.4 20.2



#39
Methylcyclohexane
Concen: 1.126 ug/l
RT: 8.89 min Scan# 758
Delta R.T. 0.04 min
Lab File: VD060925.D
Acq: 4 Mar 2019 15:59

Tgt Ion: 83 Resp: 12474
Ion Ratio Lower Upper
83 100
55 104.2 73.8 110.8
98 40.5 42.4 63.6#

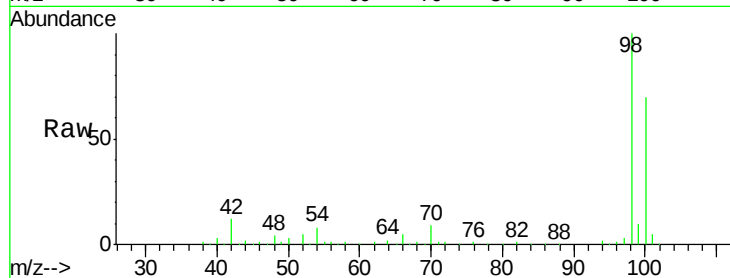




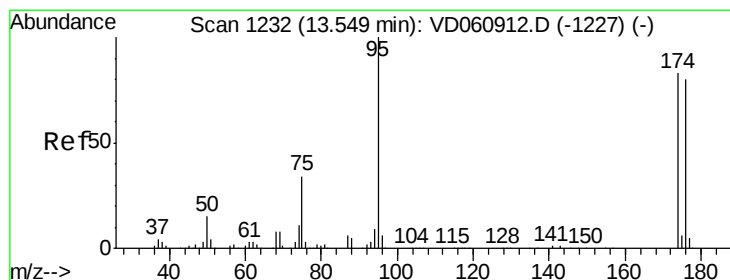
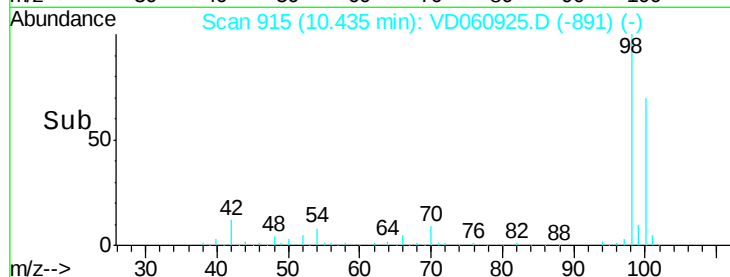
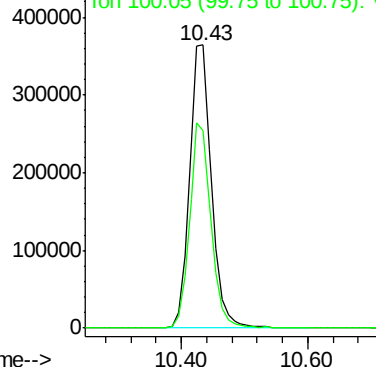
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.04 min
Lab File: VD060925.D
Acq: 4 Mar 2019 15:59

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

Tot Ion: 98 Resp: 885904
Ion Ratio Lower Upper
98 100
100 70.0 57.0 85.4

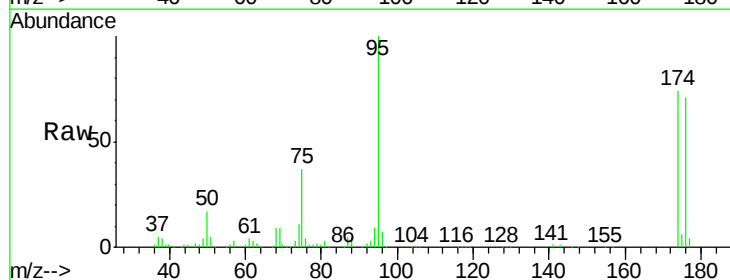


Abundance Ion 98.05 (97.75 to 98.75): VD060912.D (-905) (-)
Ion 100.05 (99.75 to 100.75): VD060912.D (-905) (-)

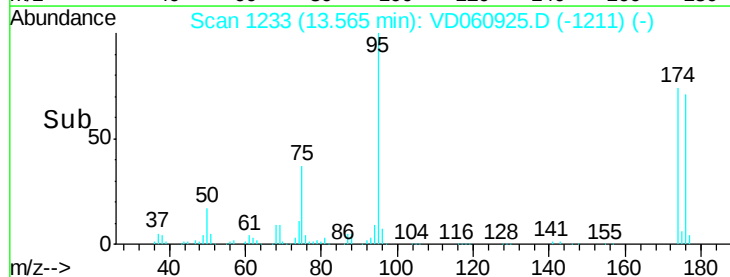
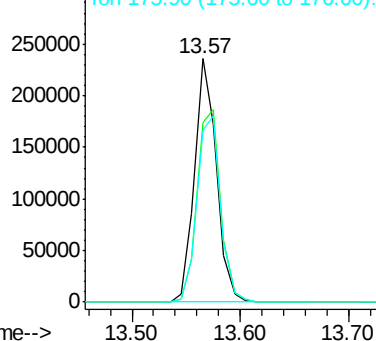


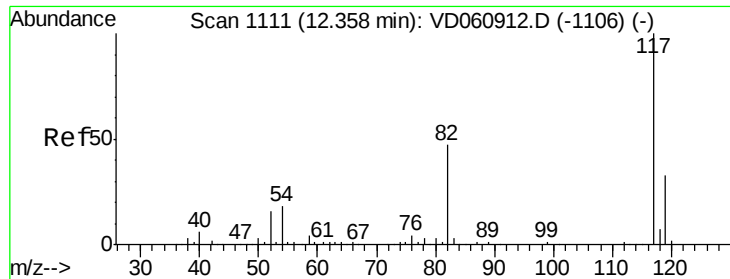
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.57 min Scan# 1233
Delta R.T. 0.02 min
Lab File: VD060925.D
Acq: 4 Mar 2019 15:59

Tgt Ion: 95 Resp: 331379
Ion Ratio Lower Upper
95 100
174 73.8 0.0 165.6
176 70.7 0.0 160.6



Abundance Ion 95.00 (94.70 to 95.70): VD060912.D (-1227) (-)
Ion 173.90 (173.60 to 174.60): VD060912.D (-1227) (-)
Ion 175.90 (175.60 to 176.60): VD060912.D (-1227) (-)

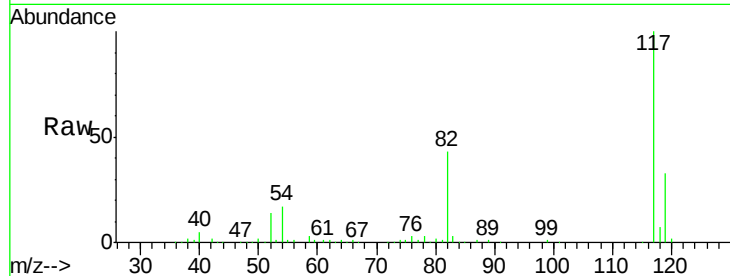




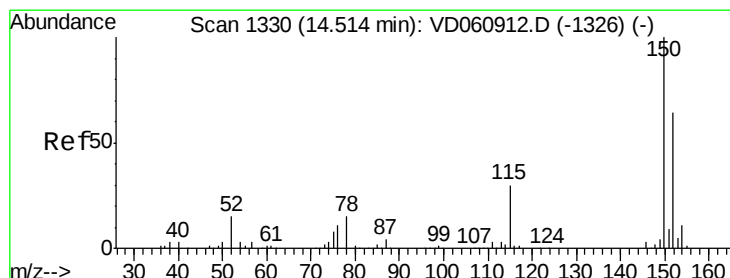
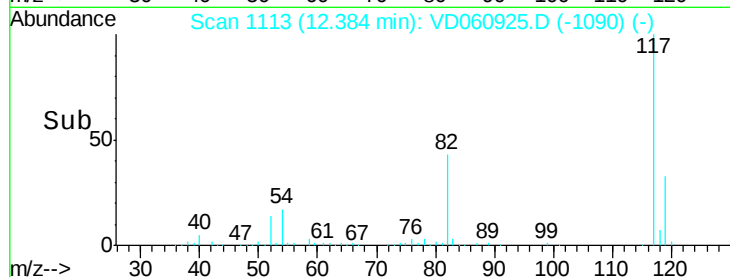
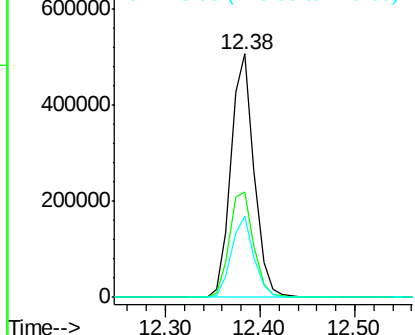
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 12.38 min Scan# 1113
 Delta R.T. 0.03 min
 Lab File: VD060925.D
 Acq: 4 Mar 2019 15:59

Instrument :
 MSVOA_D
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 FK-GF-02-032-A

Tot Ion:117 Resp: 857356
 Ion Ratio Lower Upper
 117 100
 82 43.2 37.5 56.3
 119 33.1 26.2 39.2

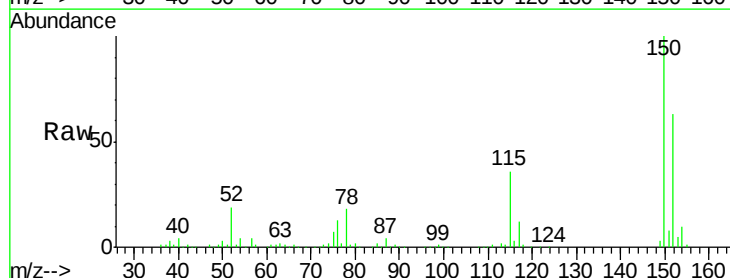


Abundance Ion 116.95 (116.65 to 117.65): V
 Ion 82.05 (81.75 to 82.75): V
 Ion 118.95 (118.65 to 119.65): V



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. 0.02 min
 Lab File: VD060925.D
 Acq: 4 Mar 2019 15:59

Tgt Ion:152 Resp: 319411
 Ion Ratio Lower Upper
 152 100
 115 57.0 27.6 82.8
 150 158.1 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

