

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030419\
 Data File : VD060925.D
 Acq On : 4 Mar 2019 15:59
 Operator : VA/AP
 Sample : K1670-02RE
 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 01:32:52 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

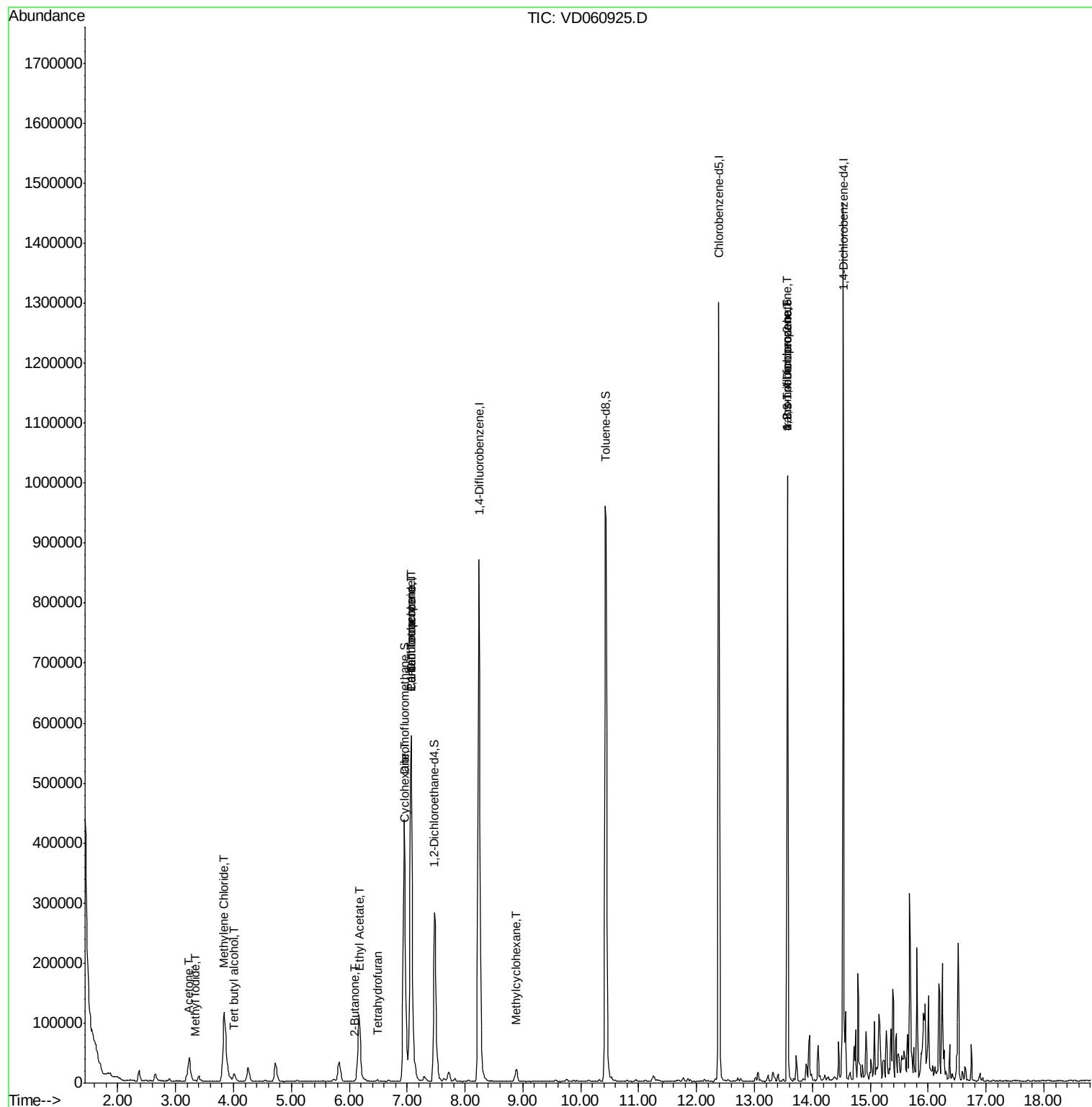
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	613028	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	1101822	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	857356	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	319411	50.00	ug/l	0.02
System Monitoring 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						
					Qvalue	
10) Methyl Iodide	3.35	142	1194	4.833	ug/l #	40
11) Tert butyl alcohol	4.01	59	11453	30.322	ug/l #	77
16) Acetone	3.24	43	82597	48.814	ug/l	100
20) Methylene Chloride	3.84	84	76070	6.298	ug/l	97
25) 2-Butanone	6.09	43	4378	2.086	ug/l #	55
29) Tetrahydrofuran	6.49	42	1987	1.839	ug/l #	49
31) Cyclohexane	6.97	56	21178	1.893	ug/l	90
36) 1,1-Dichloropropene	7.07	75	45858	4.527	ug/l #	45
37) Ethyl Acetate	6.17	43	6387	1.226	ug/l #	1
38) Carbon Tetrachloride	7.07	117	56998	5.237	ug/l #	16
39) Methylcyclohexane	8.89	83	12474	1.126	ug/l #	86
76) 1,2,3-Trichloropropane	13.57	75	113982	22.024	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.57	75	116132	75.821	ug/l #	20
89) n-Butylbenzene	14.79	91	13383	Below Cal	#	1

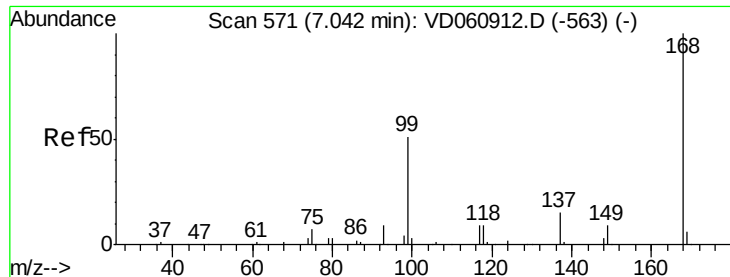
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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 :

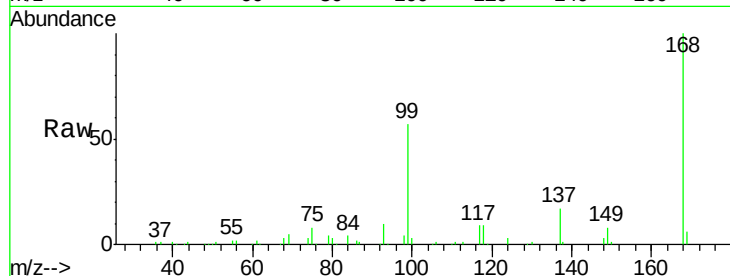
FK-GF-02-032-A

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): V

7.07

200000

150000

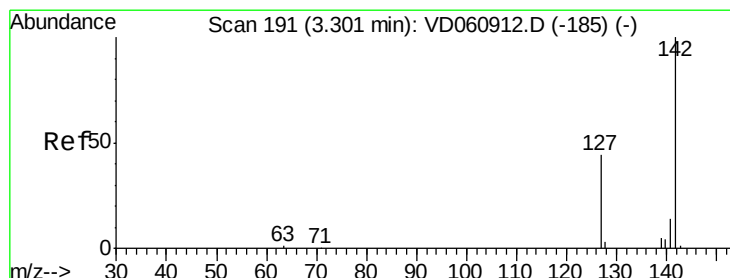
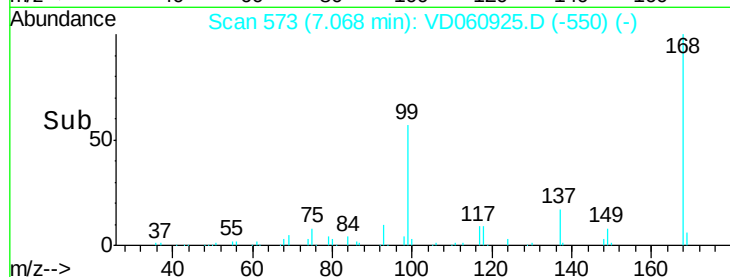
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#10

Methyl Iodide

Concen: 4.833 ug/l

RT: 3.35 min Scan# 195

Delta R.T. 0.05 min

Lab File: VD060925.D

Acq: 4 Mar 2019 15:59

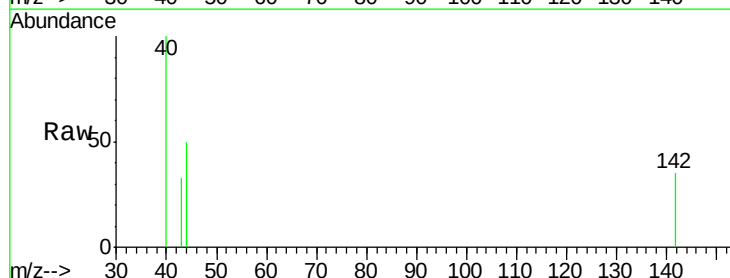
Tgt Ion:142 Resp: 1194

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

3.35

800

600

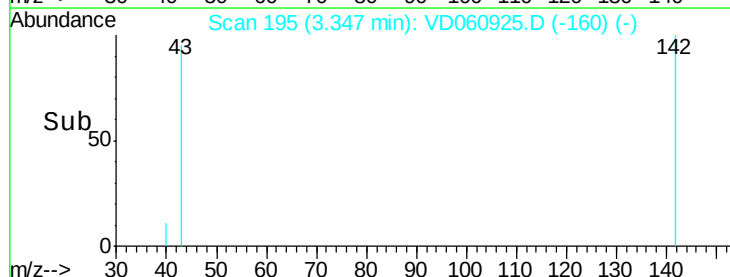
400

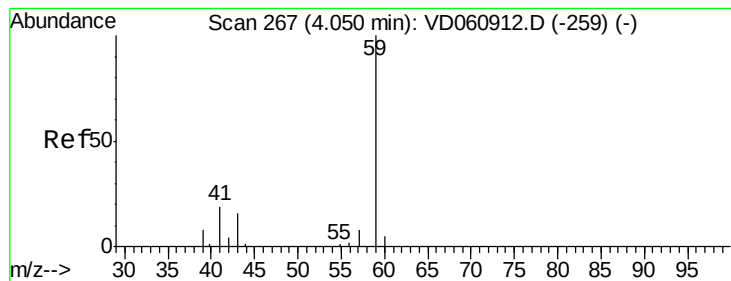
200

0

3.30 3.35 3.40

Time-->





#11

Tert butyl alcohol

Concen: 30.322 ug/l

RT: 4.01 min Scan# 262

Delta R.T. -0.04 min

Lab File: VD060925.D

Acq: 4 Mar 2019 15:59

Instrument :

MSVOA_D

ClientSampleId :

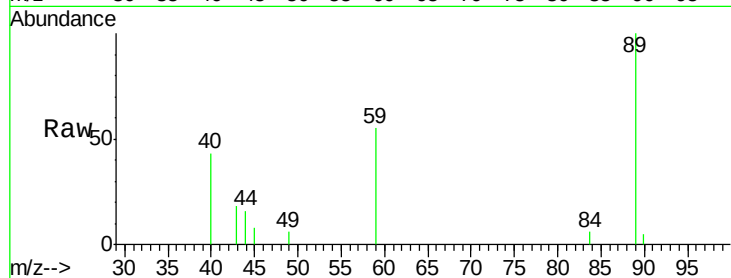
FK-GF-02-032-A

Tot Ion: 59 Resp: 11453

Ion Ratio Lower Upper

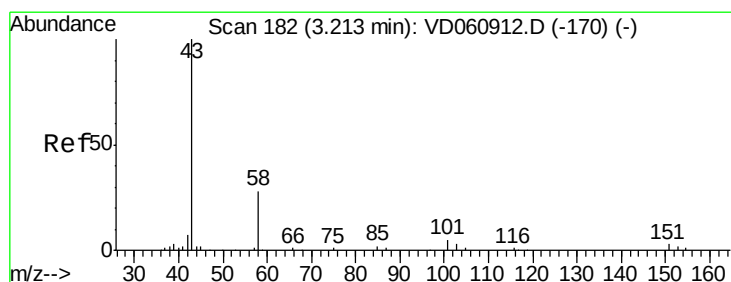
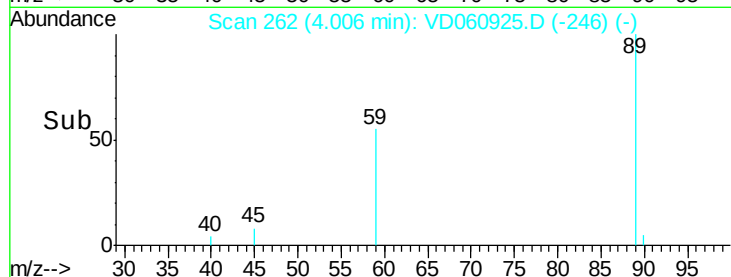
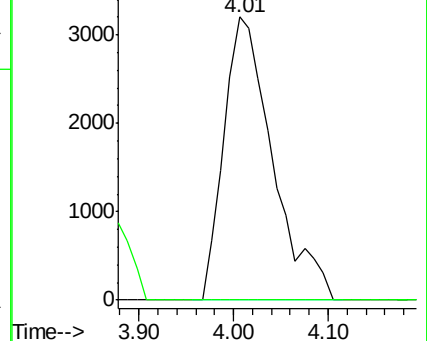
59 100

57 0.0 6.5 9.7#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#16

Acetone

Concen: 48.814 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.03 min

Lab File: VD060925.D

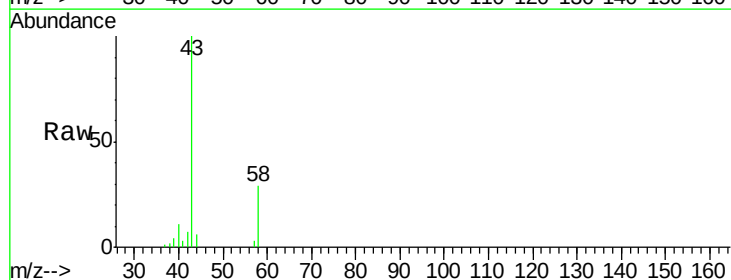
Acq: 4 Mar 2019 15:59

Tgt Ion: 43 Resp: 82597

Ion Ratio Lower Upper

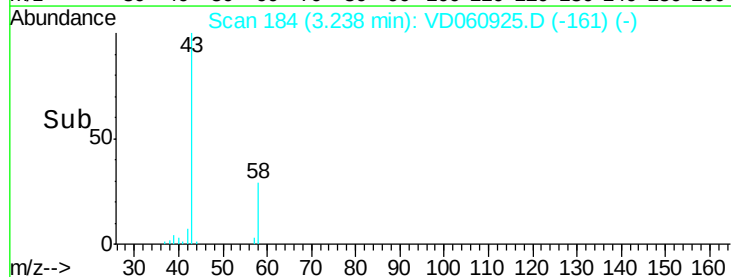
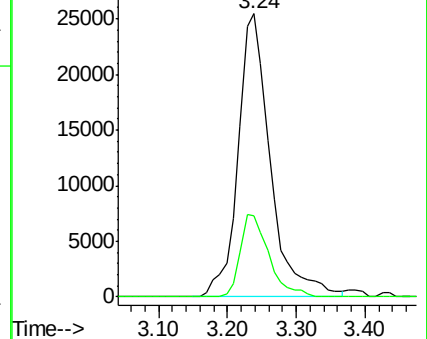
43 100

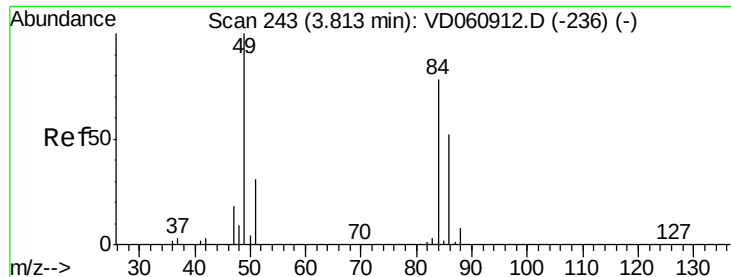
58 28.7 22.8 34.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

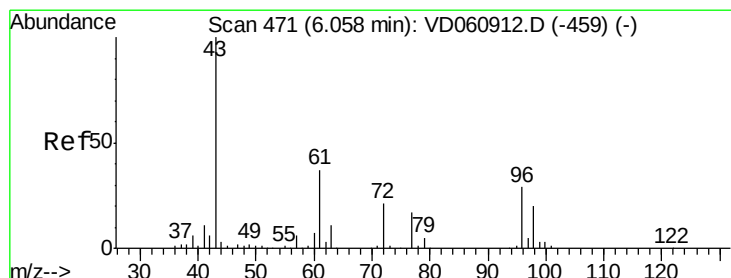
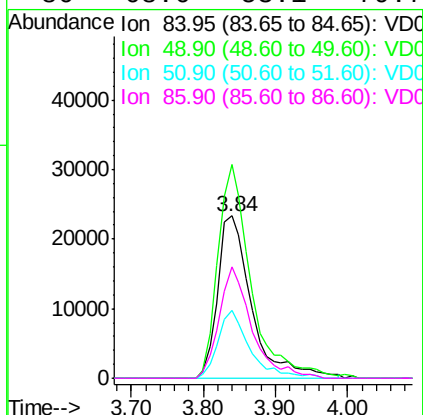
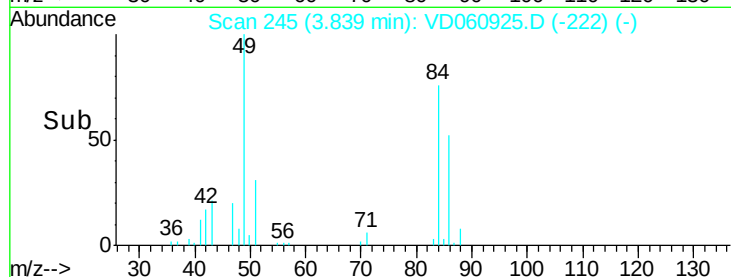
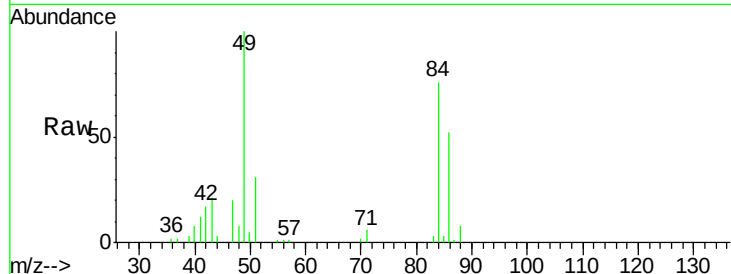




#20
Methylene Chloride
Concen: 6.298 ug/l
RT: 3.84 min Scan# 245
Delta R.T. 0.03 min
Lab File: VD060925.D
Acq: 4 Mar 2019 15:59

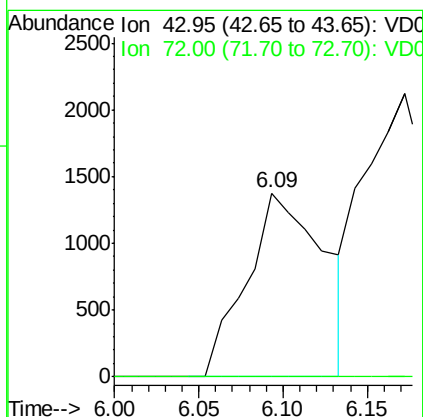
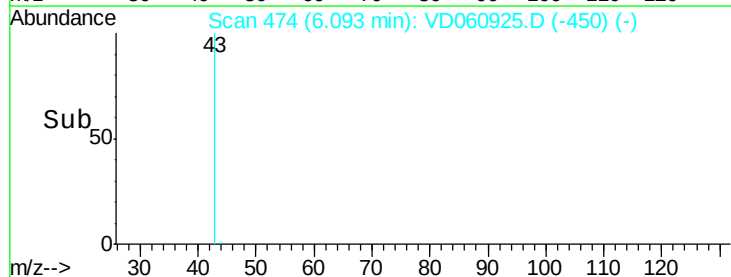
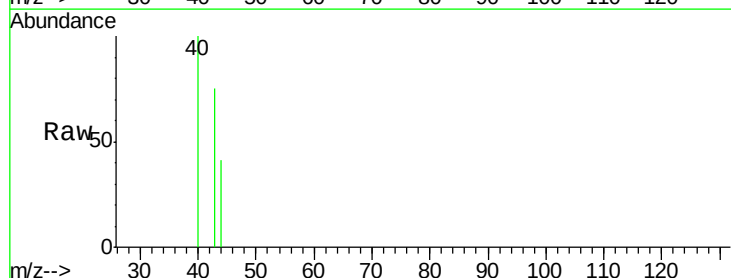
Instrument :
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FK-GF-02-032-A

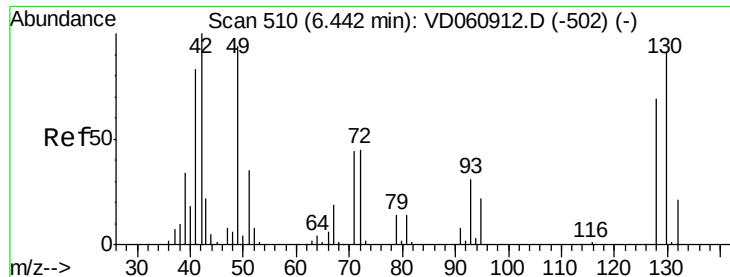
Tot Ion: 84 Resp: 76070
Ion Ratio Lower Upper
84 100
49 131.8 102.4 153.6
51 41.5 31.9 47.9
86 68.6 53.1 79.7



#25
2-Butanone
Concen: 2.086 ug/l
RT: 6.09 min Scan# 474
Delta R.T. 0.04 min
Lab File: VD060925.D
Acq: 4 Mar 2019 15:59

Tgt Ion: 43 Resp: 4378
Ion Ratio Lower Upper
43 100
72 0.0 17.0 25.4#





#29

Tetrahydrofuran

Concen: 1.839 ug/l

RT: 6.49 min Scan# 514

Delta R.T. 0.05 min

Lab File: VD060925.D

Acq: 4 Mar 2019 15:59

Instrument :

MSVOA_D

ClientSampleId :

FK-GF-02-032-A

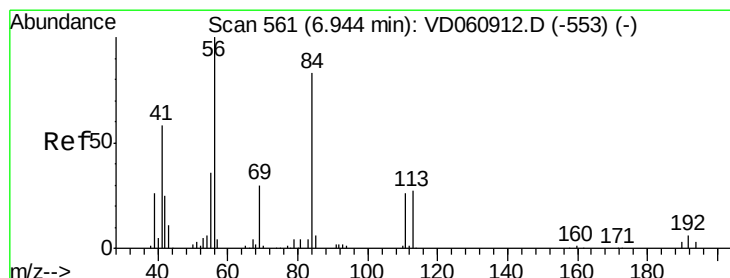
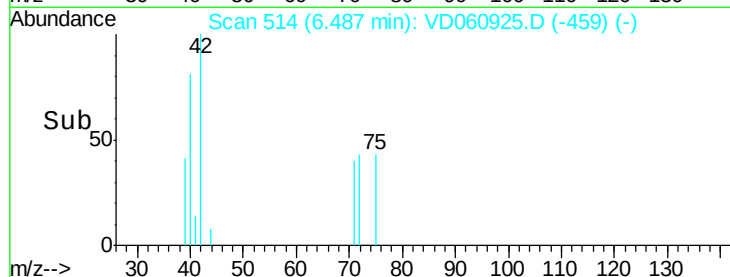
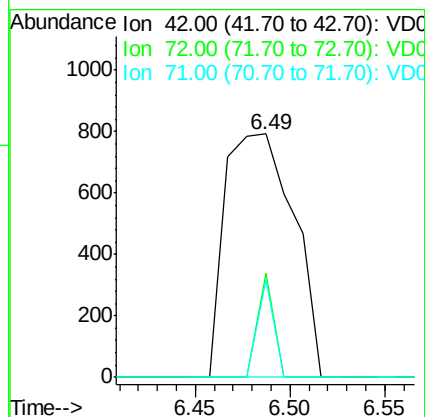
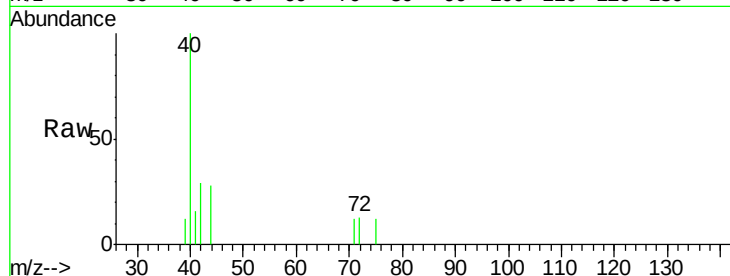
Tot Ion: 42 Resp: 1987

Ion Ratio Lower Upper

42 100

72 10.1 33.8 50.6#

71 9.5 33.5 50.3#



#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

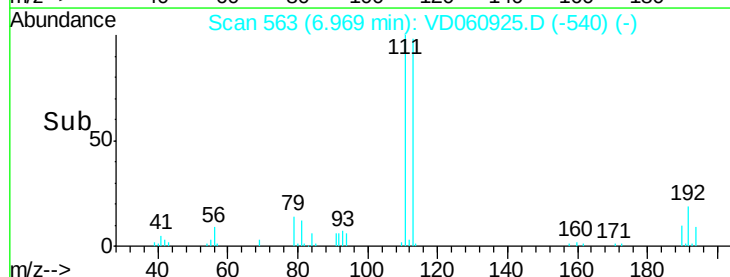
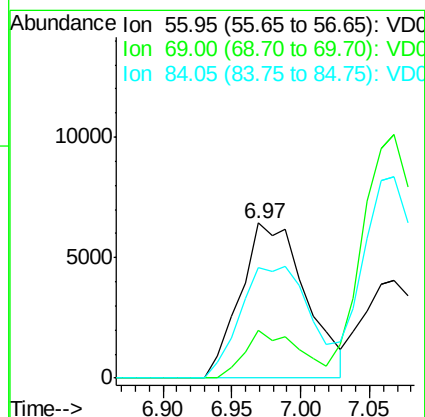
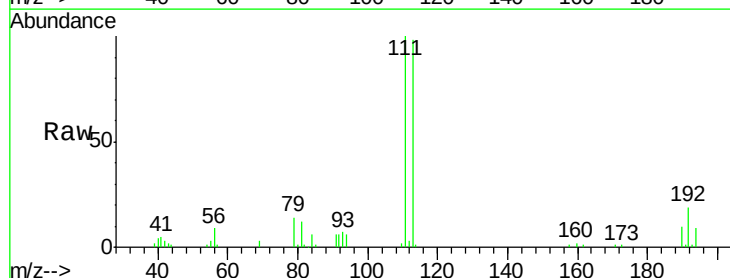
Tgt Ion: 56 Resp: 21178

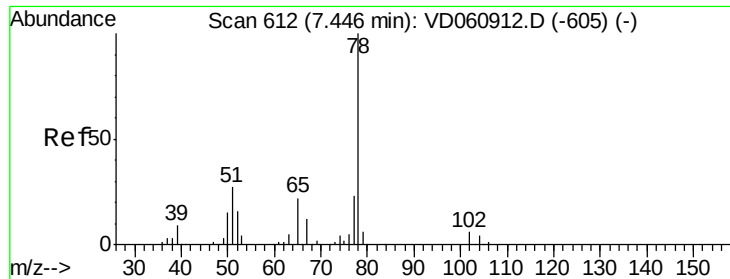
Ion Ratio Lower Upper

56 100

69 30.5 23.6 35.4

84 71.3 66.5 99.7

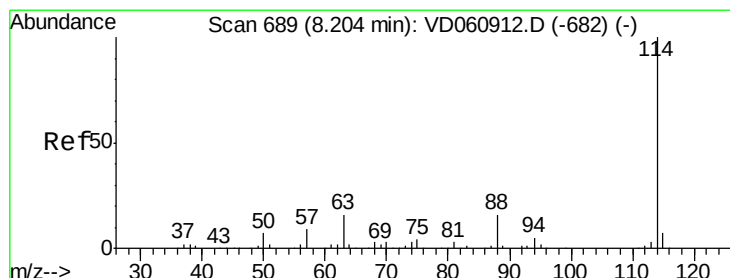
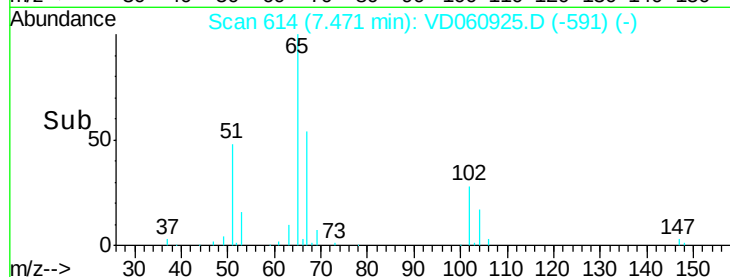
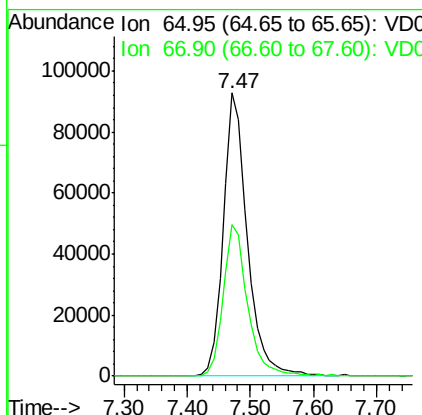
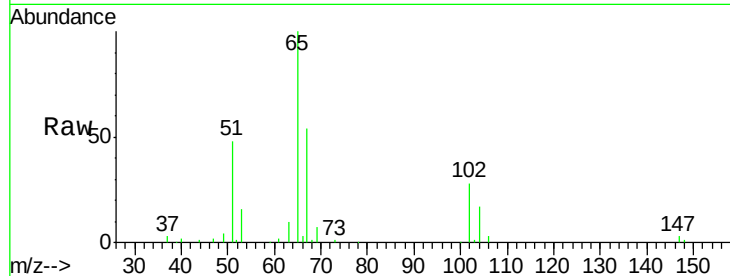




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.03 min
 Lab File: VD060925.D
 Acq: 4 Mar 2019 15:59

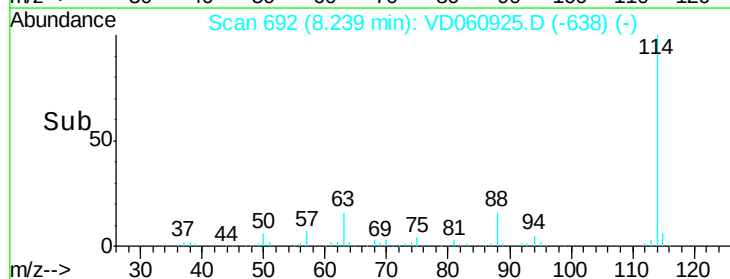
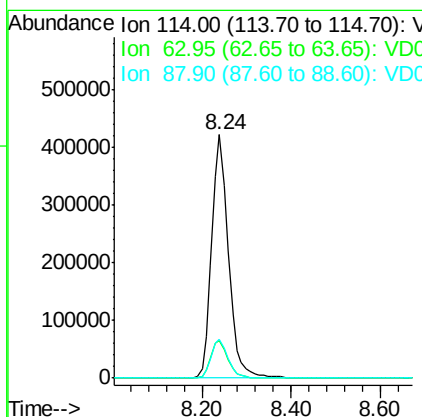
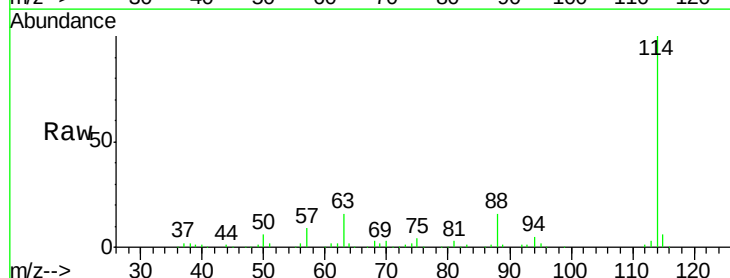
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-GF-02-032-A

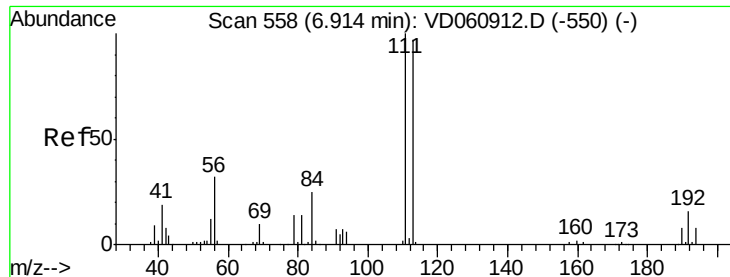
Tot Ion: 65 Resp: 244482
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 109.4



#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

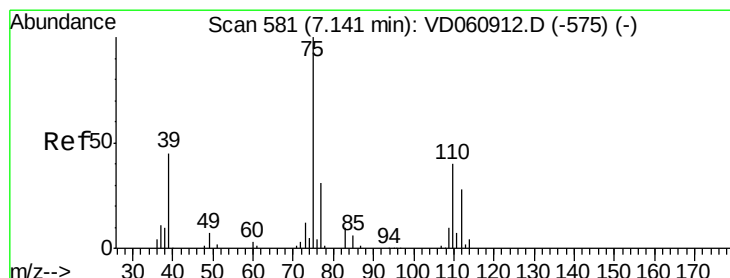
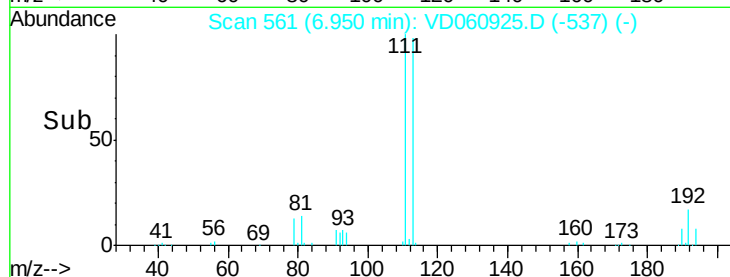
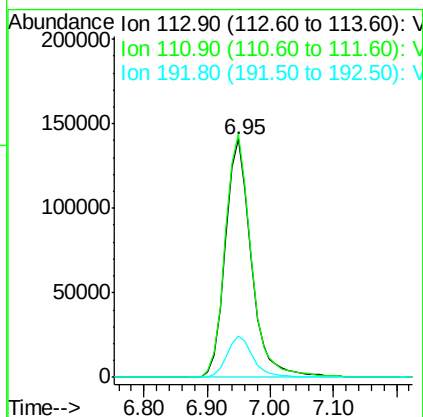
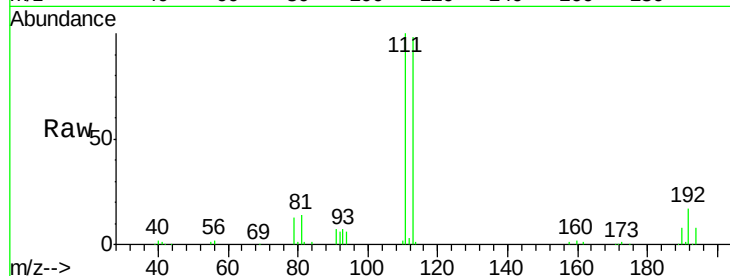




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.04 min
Lab File: VD060925.D
Acq: 4 Mar 2019 15:59

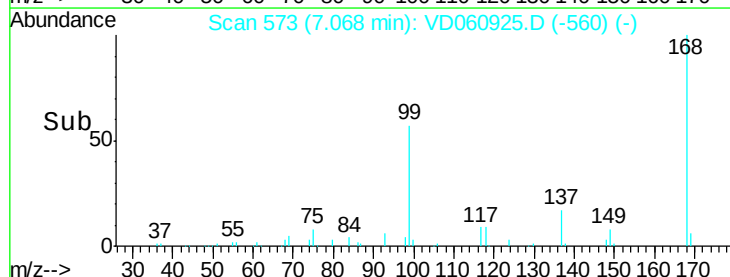
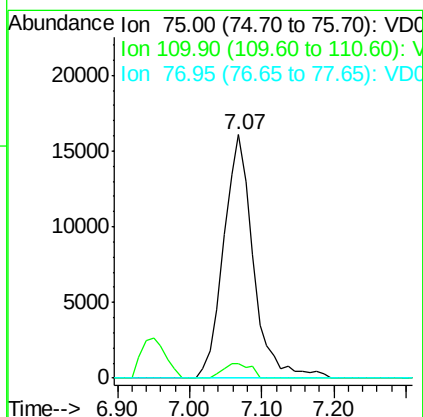
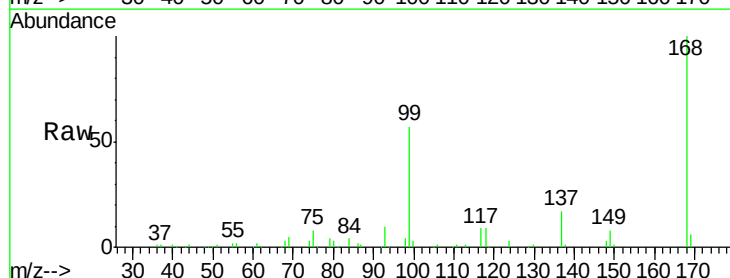
Instrument :
MSVOA_D
ClientSampleId :
FK-GF-02-032-A

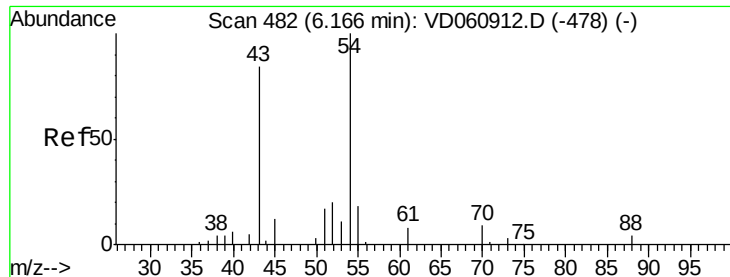
Tot Ion:113 Resp: 402337
Ion Ratio Lower Upper
113 100
111 102.2 82.6 124.0
192 17.3 13.4 20.2



#36
1,1-Dichloropropene
Concen: 4.527 ug/l
RT: 7.07 min Scan# 573
Delta R.T. -0.07 min
Lab File: VD060925.D
Acq: 4 Mar 2019 15:59

Tgt Ion: 75 Resp: 45858
Ion Ratio Lower Upper
75 100
110 6.2 19.9 59.7#
77 0.0 25.0 37.6#

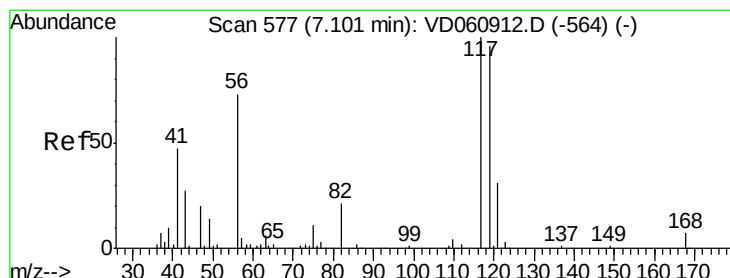
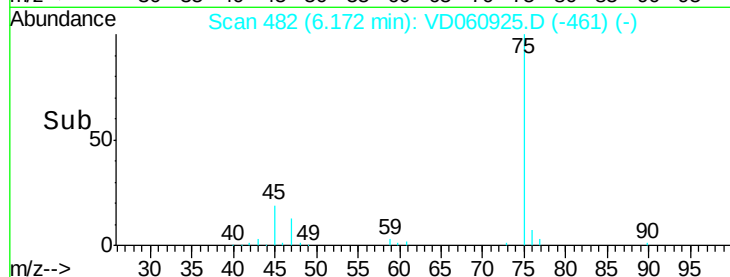
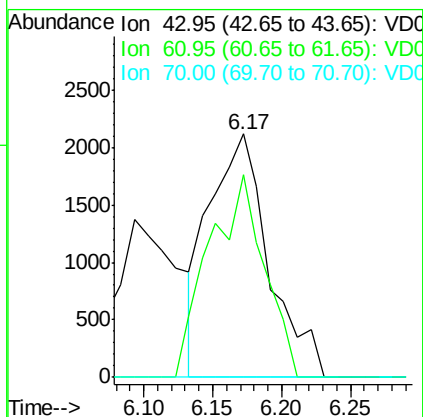
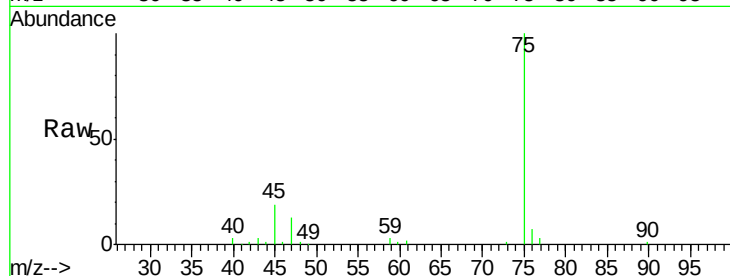




#37
Ethyl Acetate
Concen: 1.226 ug/l
RT: 6.17 min Scan# 482
Delta R.T. 0.01 min
Lab File: VD060925.D
Acq: 4 Mar 2019 15:59

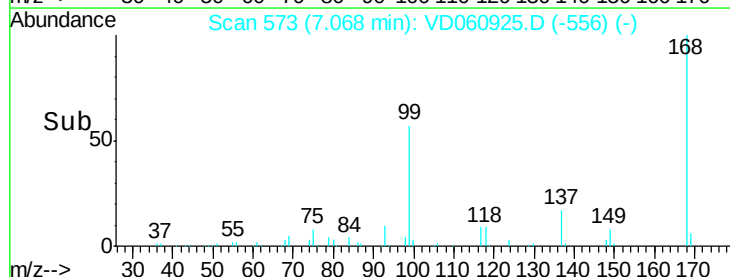
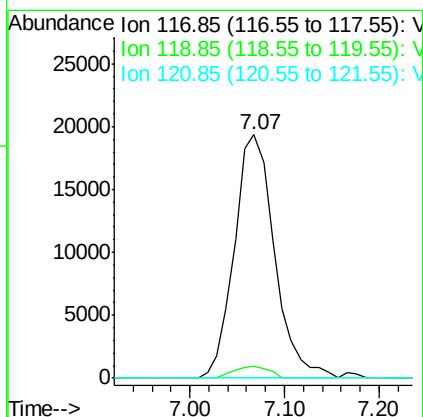
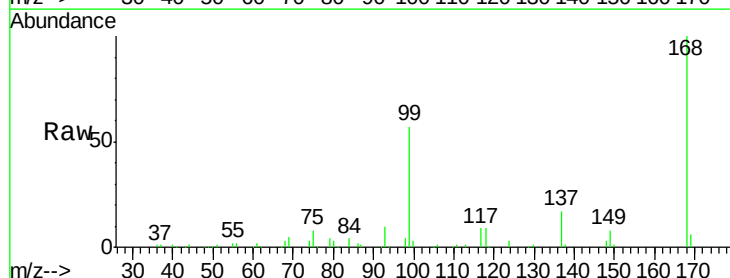
Instrument :
MSVOA_D
ClientSampleId :
FK-GF-02-032-A

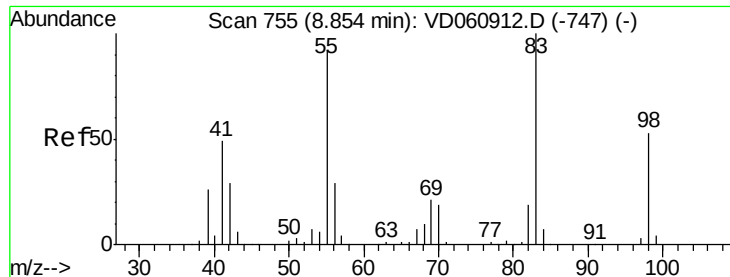
Tot Ion: 43 Resp: 6387
Ion Ratio Lower Upper
43 100
61 83.1 12.1 18.1#
70 0.0 7.3 10.9#



#38
Carbon Tetrachloride
Concen: 5.237 ug/l
RT: 7.07 min Scan# 573
Delta R.T. -0.03 min
Lab File: VD060925.D
Acq: 4 Mar 2019 15:59

Tgt Ion: 117 Resp: 56998
Ion Ratio Lower Upper
117 100
119 4.6 76.9 115.3#
121 0.0 24.5 36.7#

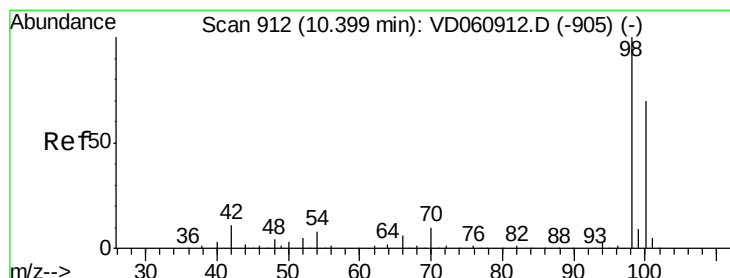
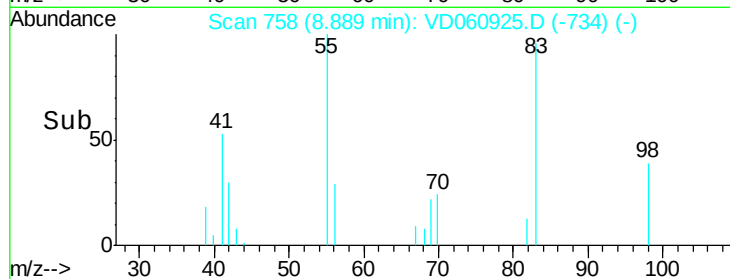
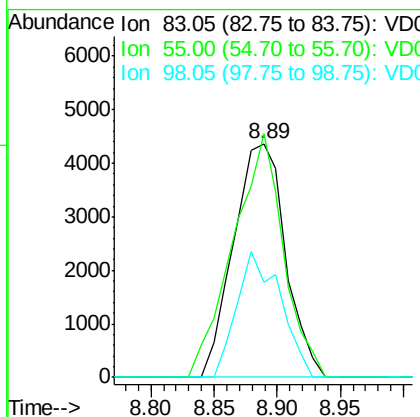
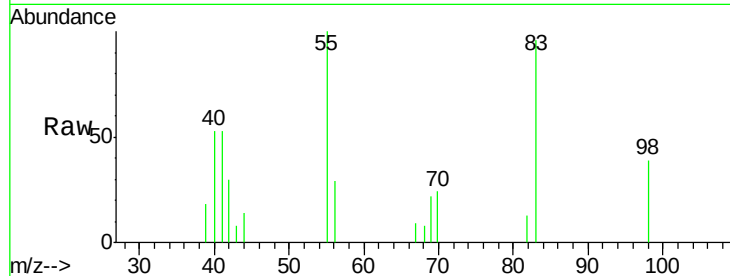




#39
Methylvlcyclohexane
Concen: 1.126 ug/l
RT: 8.89 min Scan# 758
Delta R.T. 0.04 min
Lab File: VD060925.D
Acq: 4 Mar 2019 15:59

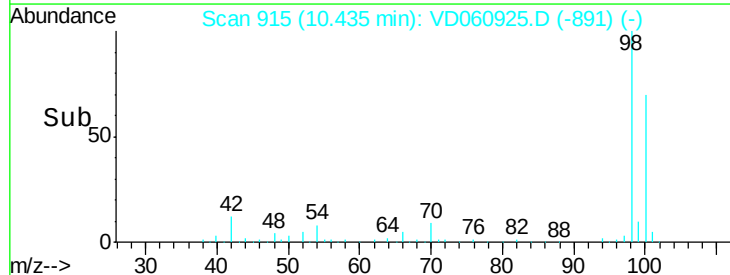
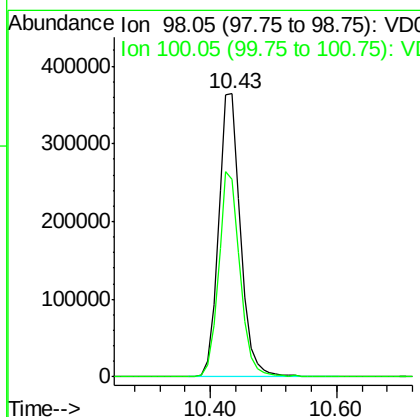
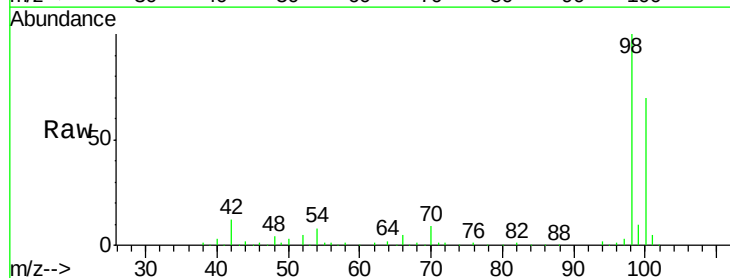
Instrument :
MSVOA_D
ClientSampleId :
FK-GF-02-032-A

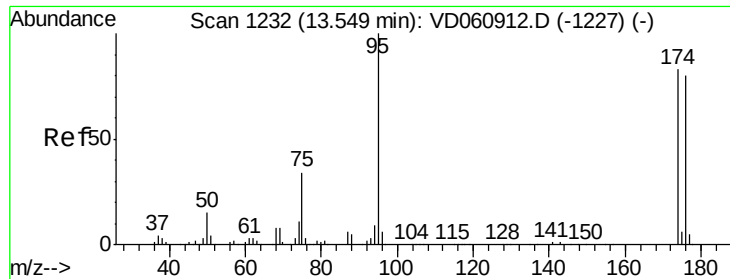
Tot Ion: 83 Resp: 12474
Ion Ratio Lower Upper
83 100
55 104.2 73.8 110.8
98 40.5 42.4 63.6#



#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

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

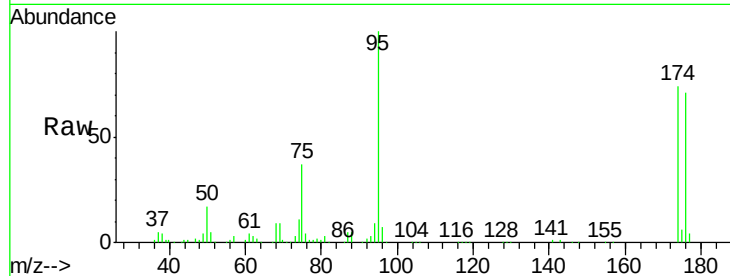




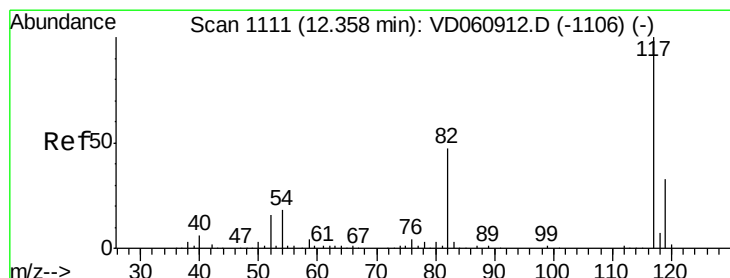
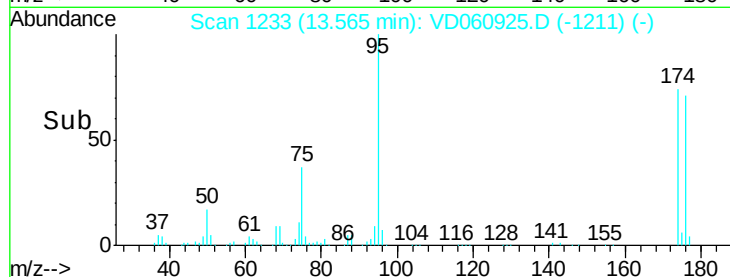
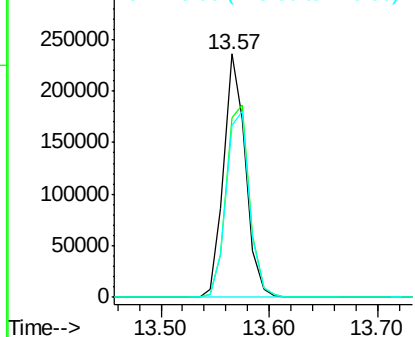
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.57 min Scan# 1233
Delta R.T. 0.02 min
Lab File: VD060925.D
Acq: 4 Mar 2019 15:59

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

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

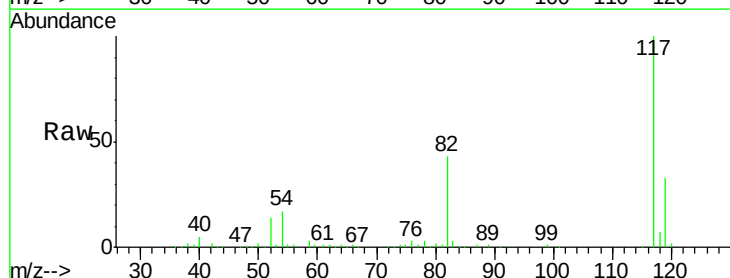


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

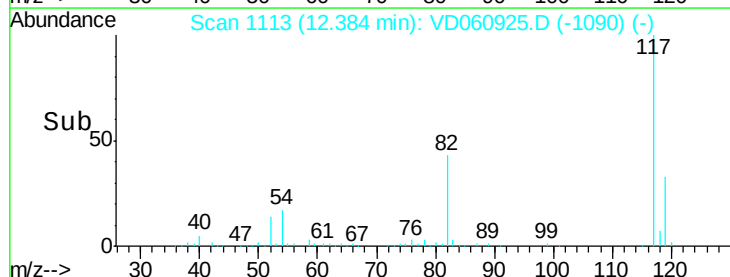
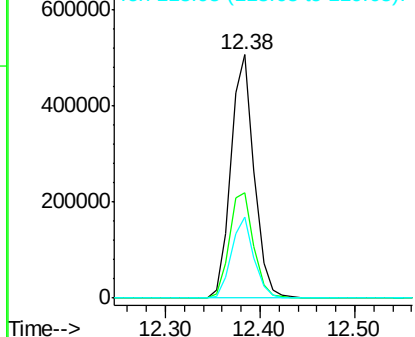


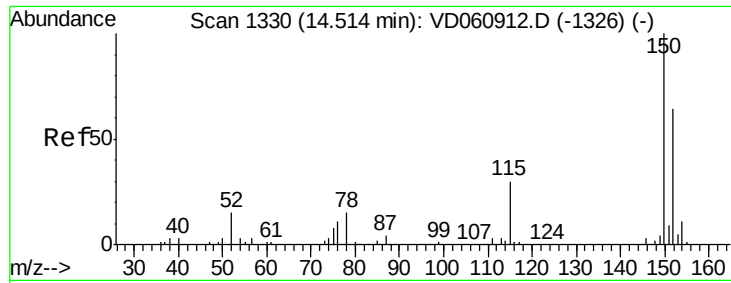
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.03 min
Lab File: VD060925.D
Acq: 4 Mar 2019 15:59

Tgt 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



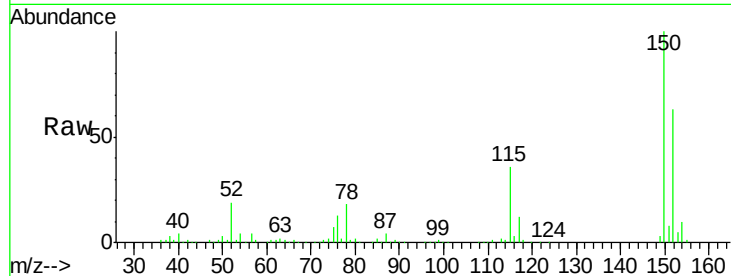


#72

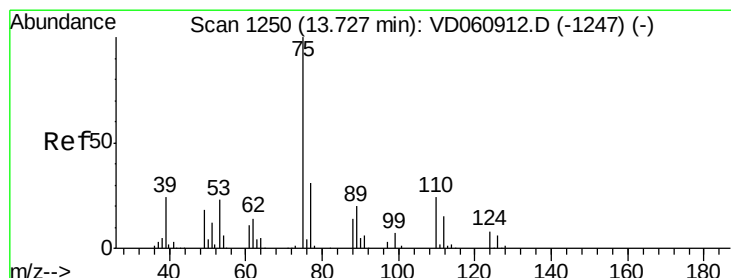
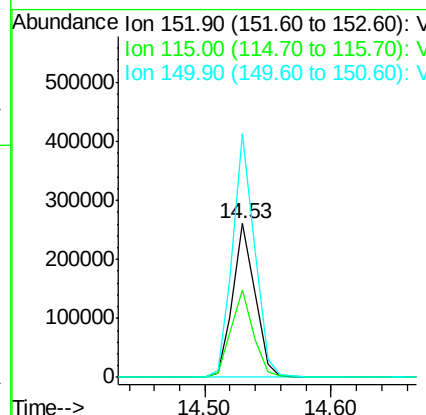
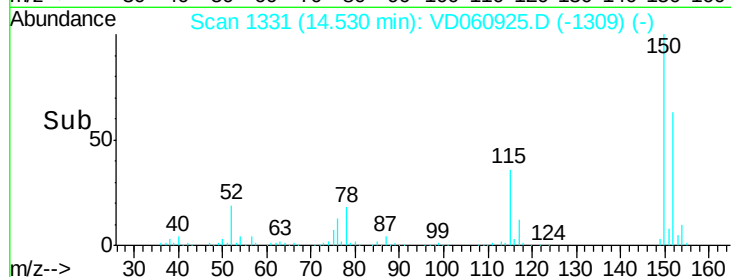
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.02 min
Lab File: VD060925.D
Acq: 4 Mar 2019 15:59

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

Tot Ion:152 Resp: 319411
Ion Ratio Lower Upper
152 100
115 57.0 27.6 82.8
150 158.1 0.0 312.8



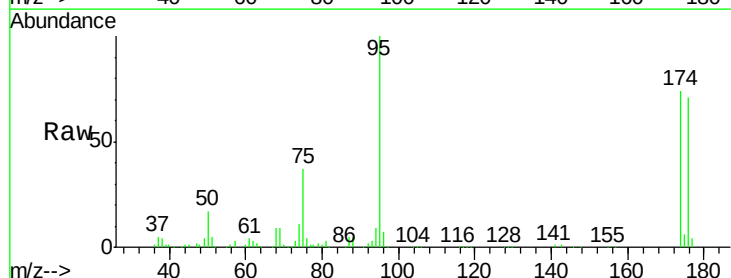
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



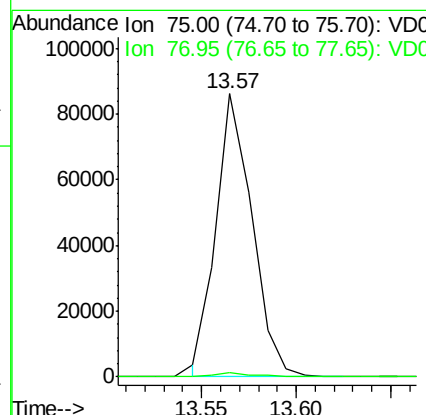
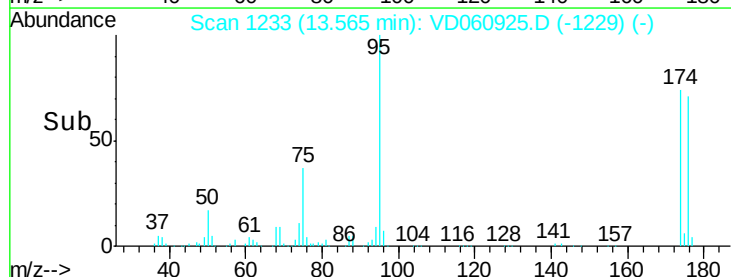
#76

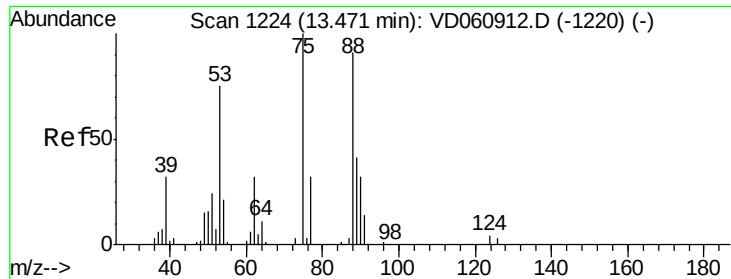
1,2,3-Trichloropropane
Concen: 22.024 ug/l
RT: 13.57 min Scan# 1233
Delta R.T. -0.16 min
Lab File: VD060925.D
Acq: 4 Mar 2019 15:59

Tgt Ion: 75 Resp: 113982
Ion Ratio Lower Upper
75 100
77 1.4 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: 75.821 ug/l

RT: 13.57 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD060925.D

Acq: 4 Mar 2019 15:59

Instrument :

MSVOA_D

ClientSampleId :

FK-GF-02-032-A

Tot Ion: 75 Resp: 116132

Ion Ratio Lower Upper

75 100

53 0.0 59.8 89.6#

89 0.0 33.0 49.6#

