

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082018\
 Data File : VD059840.D
 Acq On : 20 Aug 2018 19:39
 Operator : JC/SY
 Sample : J4542-02
 Misc : 10.75g/5ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-GF-02-024-A

Quant Time: Aug 21 05:11:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 21 04:40:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.59	168	1016776	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.65	114	1463349	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.65	117	1155666	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.89	152	530069	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.97	65	419583	51.56	ug/l	0.00
Spiked Amount			Recovery	=	103.12%	
35) Dibromofluoromethane	5.50	113	567677	52.45	ug/l	0.00
Spiked Amount			Recovery	=	104.90%	
50) Toluene-d8	8.67	98	1456964	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	
62) 4-Bromofluorobenzene	11.90	95	558335	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	

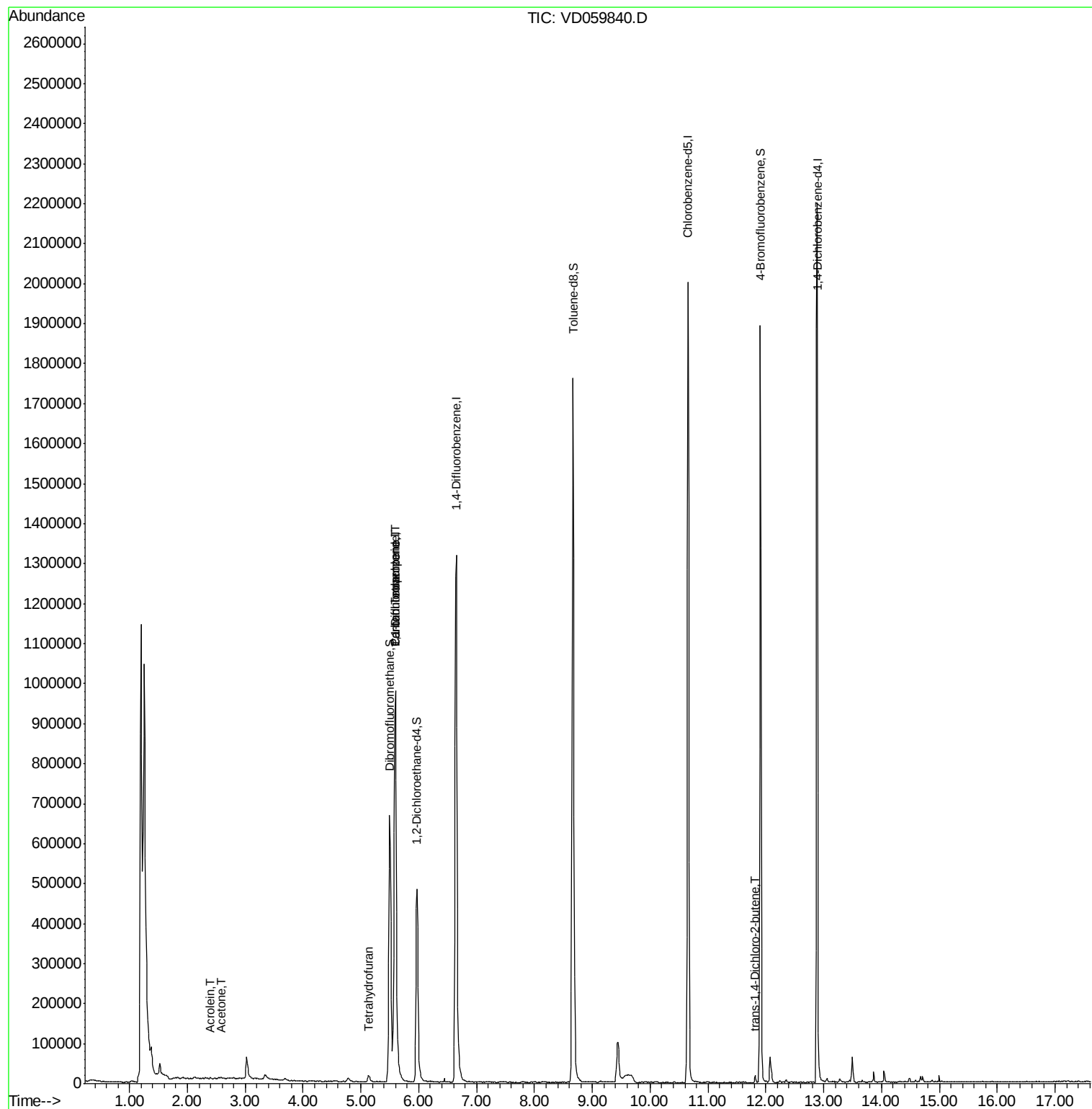
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.41	56	277	1.968	ug/l #	1
16) Acetone	2.57	43	4415	3.237	ug/l #	56
18) Methyl Acetate	2.90	43	2242	Below Cal	#	65
20) Methylene Chloride	3.03	84	24302	Below Cal		92
29) Tetrahydrofuran	5.13	42	16600	7.952	ug/l	89
31) Cyclohexane	5.59	56	22273	Below Cal	#	1
36) 1,1-Dichloropropene	5.59	75	73072	5.888	ug/l #	46
38) Carbon Tetrachloride	5.59	117	81014	6.541	ug/l #	16
67) Ethyl Benzene	10.83	91	594	Below Cal	#	43
80) 1,3,5-Trimethylbenzene	12.30	105	407	Below Cal	#	30
81) trans-1,4-Dichloro-2-buten	11.81	75	8216	2.997	ug/l #	10
82) 4-Chlorotoluene	12.30	91	1369	Below Cal	#	48
89) n-Butylbenzene	13.17	91	804	Below Cal	#	30
91) 1,2-Dichlorobenzene	13.17	146	621	Below Cal	#	56

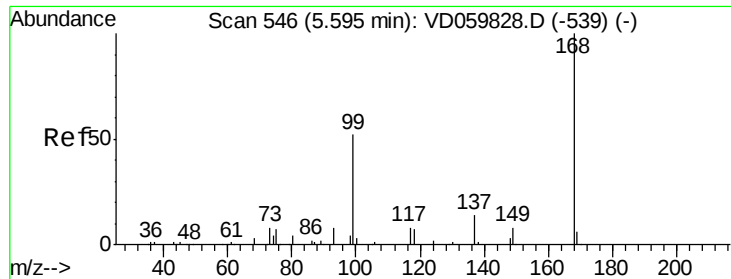
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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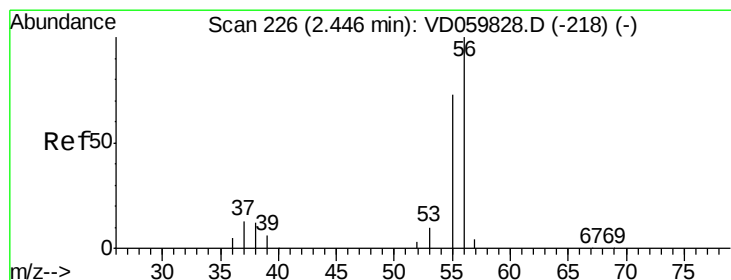
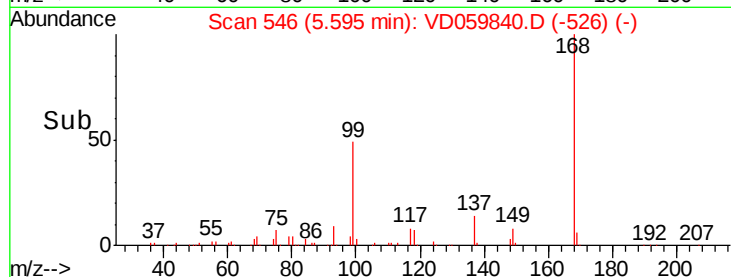
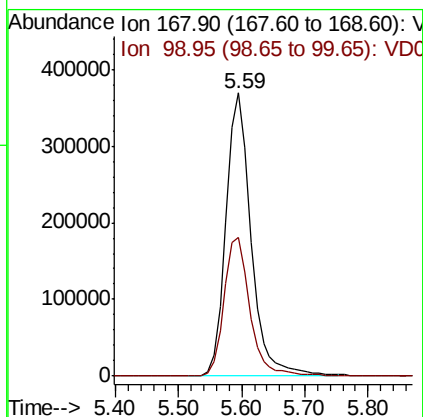
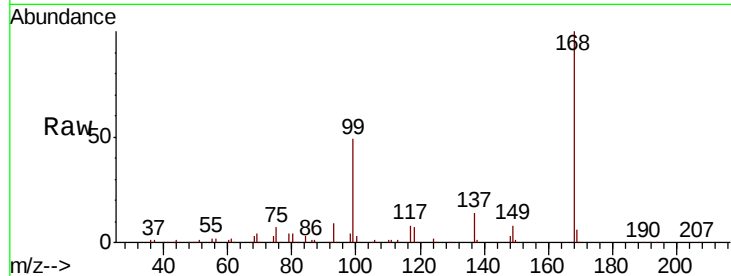




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.59 min Scan# 546
Delta R.T. 0.00 min
Lab File: VD059840.D
Acq: 20 Aug 2018 19:39

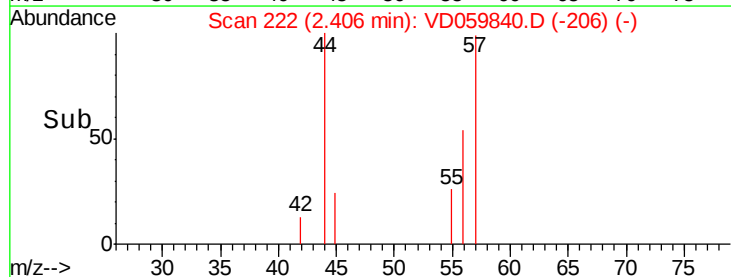
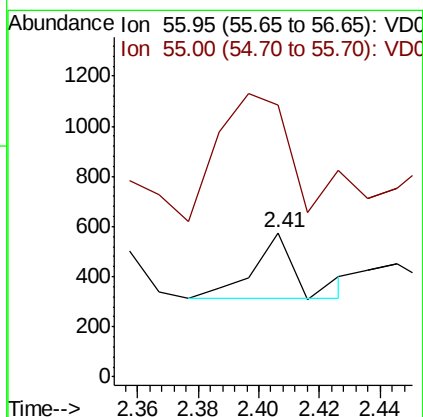
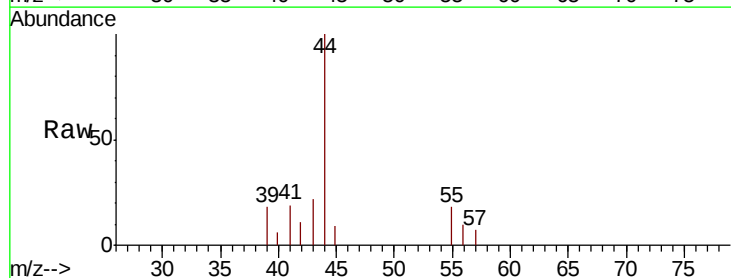
Instrument :
MSVOA_D
ClientSampleId :
FK-GF-02-024-A

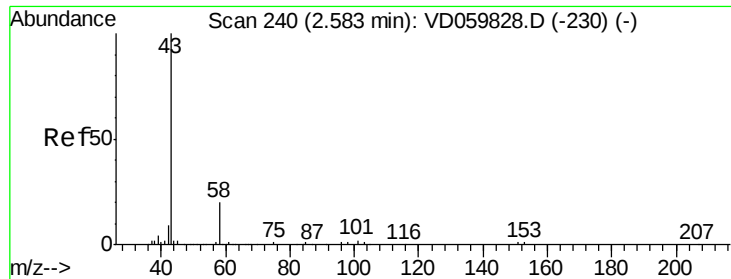
Tgt Ion:168 Resp: 1016776
Ion Ratio Lower Upper
168 100
99 48.9 43.6 65.4



#13
Acrolein
Concen: 1.968 ug/l
RT: 2.41 min Scan# 222
Delta R.T. -0.04 min
Lab File: VD059840.D
Acq: 20 Aug 2018 19:39

Tgt Ion: 56 Resp: 277
Ion Ratio Lower Upper
56 100
55 188.9 60.4 90.6#





#16

Acetone

Concen: 3.237 ug/l

RT: 2.57 min Scan# 239

Delta R.T. -0.01 min

Lab File: VD059840.D

Acq: 20 Aug 2018 19:39

Instrument :

MSVOA_D

ClientSampleId :

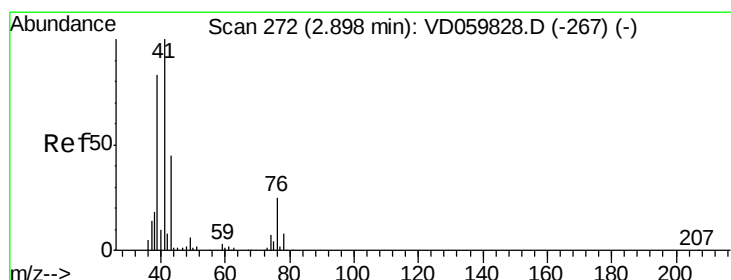
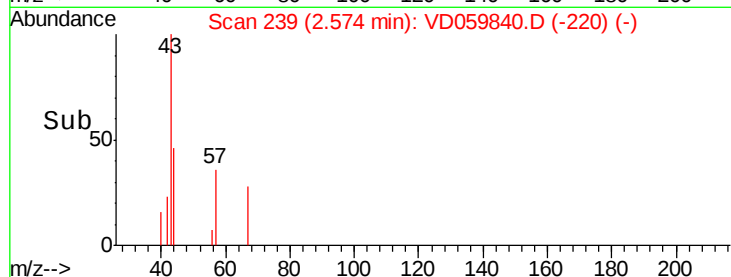
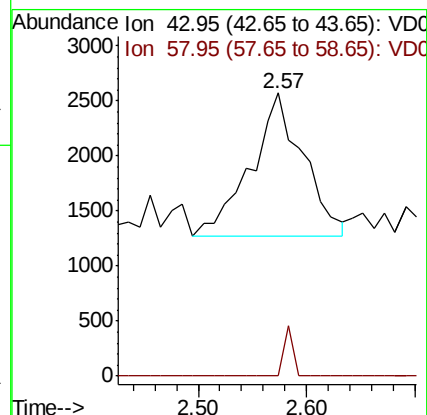
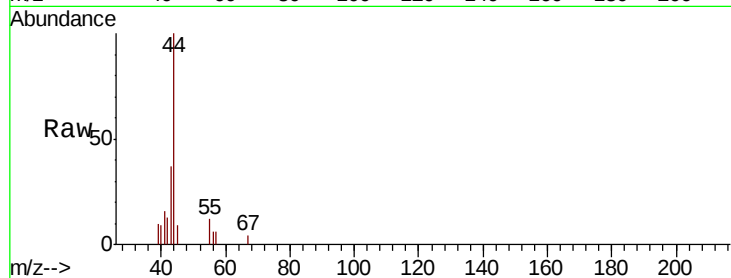
FK-GF-02-024-A

Tgt Ion: 43 Resp: 4415

Ion Ratio Lower Upper

43 100

58 0.0 16.2 24.2#



#18

Methyl Acetate

Concen: Below Cal

RT: 2.90 min Scan# 272

Delta R.T. 0.00 min

Lab File: VD059840.D

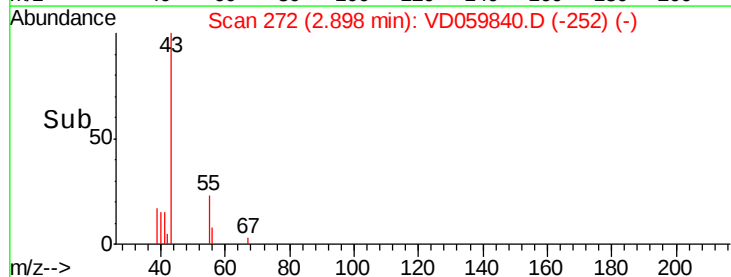
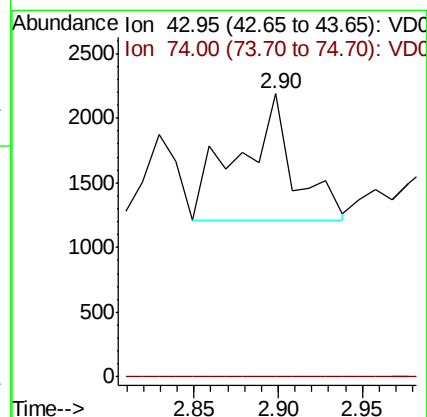
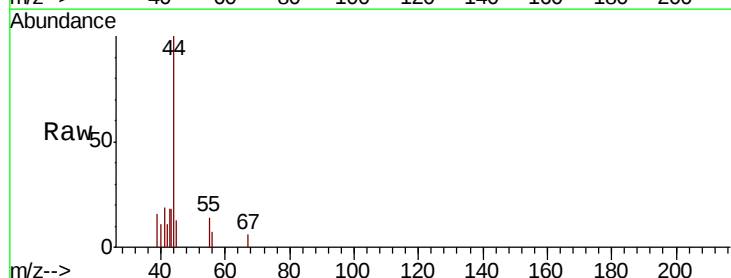
Acq: 20 Aug 2018 19:39

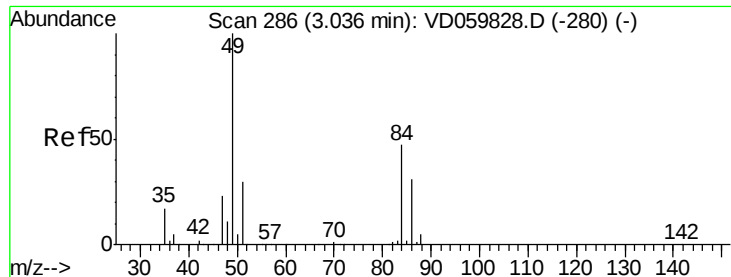
Tgt Ion: 43 Resp: 2242

Ion Ratio Lower Upper

43 100

74 0.0 11.4 17.0#

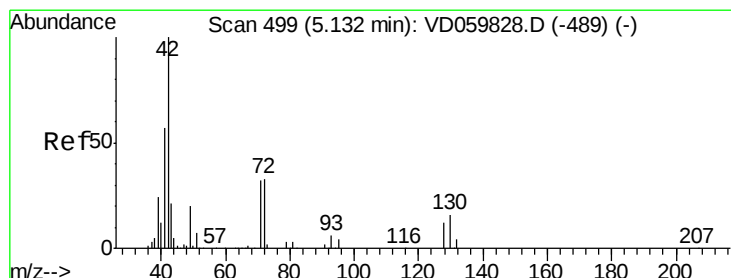
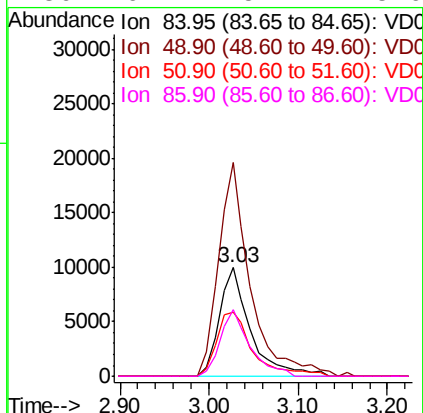
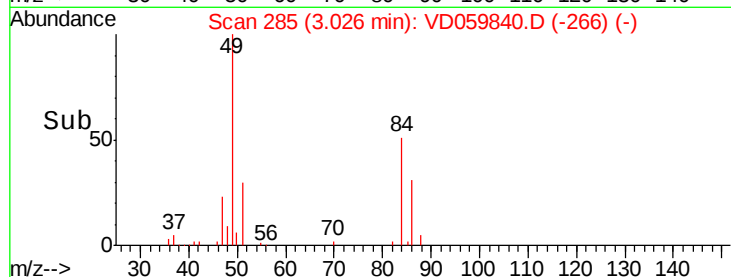
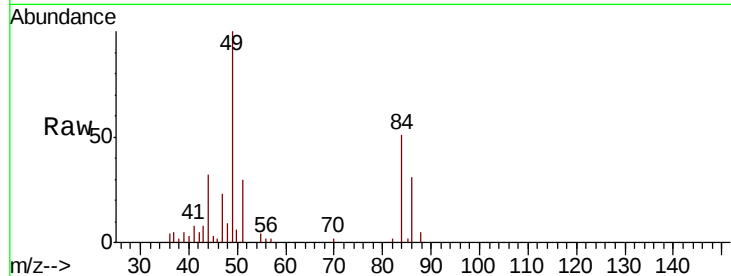




#20
Methylene Chloride
Concen: Below Cal
RT: 3.03 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD059840.D
Acq: 20 Aug 2018 19:39

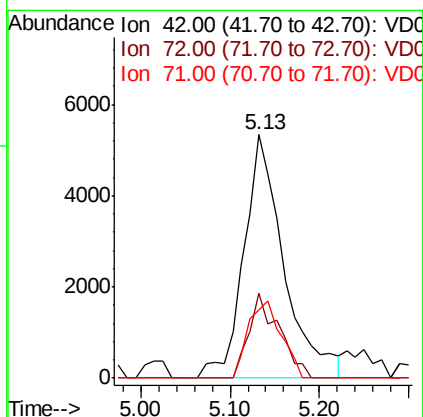
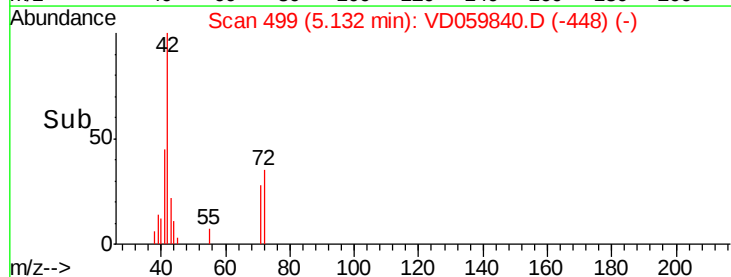
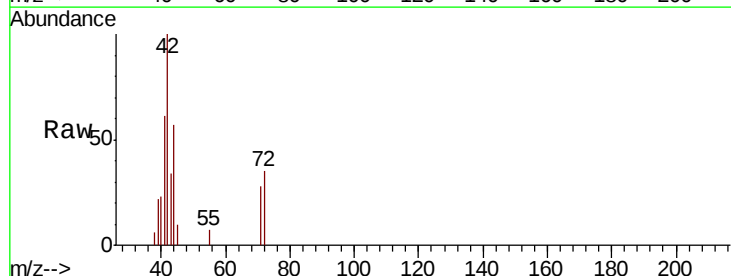
Instrument :
MSVOA_D
ClientSampleId :
FK-GF-02-024-A

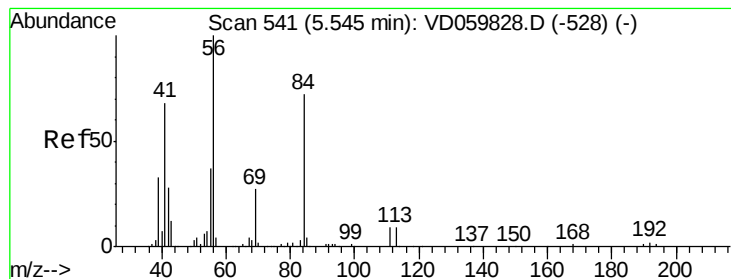
Tgt Ion: 84 Resp: 24302
Ion Ratio Lower Upper
84 100
49 197.2 170.4 255.6
51 59.2 51.4 77.0
86 61.2 52.4 78.6



#29
Tetrahydrofuran
Concen: 7.952 ug/l
RT: 5.13 min Scan# 499
Delta R.T. 0.00 min
Lab File: VD059840.D
Acq: 20 Aug 2018 19:39

Tgt Ion: 42 Resp: 16600
Ion Ratio Lower Upper
42 100
72 26.3 25.8 38.6
71 26.1 25.7 38.5





#31

Cyclohexane

Concen: Below Cal

RT: 5.59 min Scan# 546

Delta R.T. 0.05 min

Lab File: VD059840.D

Acq: 20 Aug 2018 19:39

Instrument :

MSVOA_D

ClientSampleId :

FK-GF-02-024-A

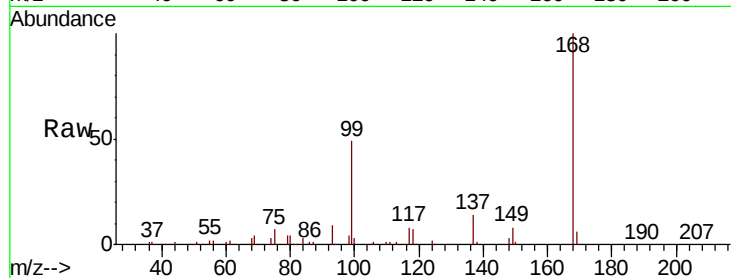
Tgt Ion: 56 Resp: 22273

Ion Ratio Lower Upper

56 100

69 223.7 21.7 32.5#

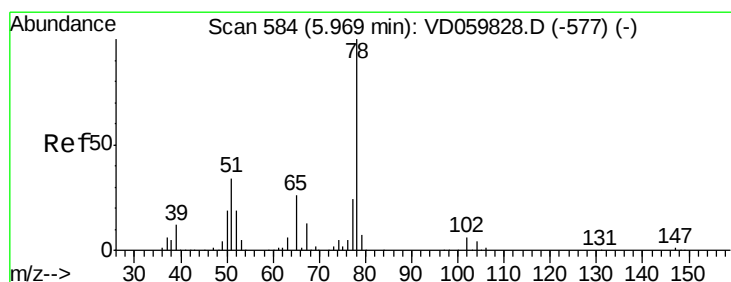
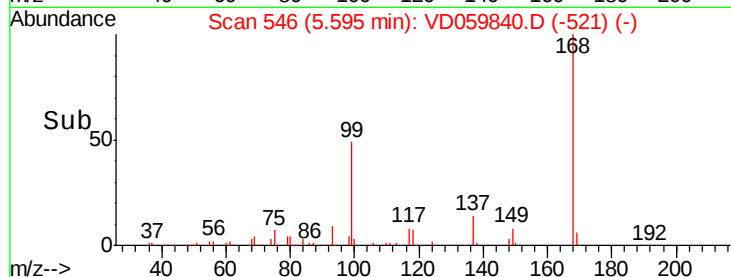
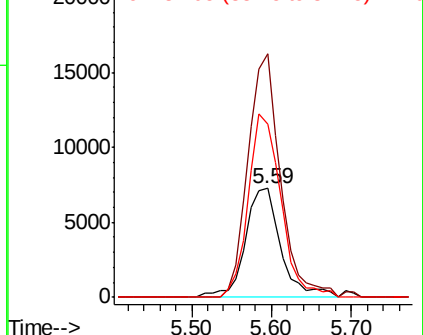
84 159.1 57.8 86.6#



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: 5.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VD059840.D

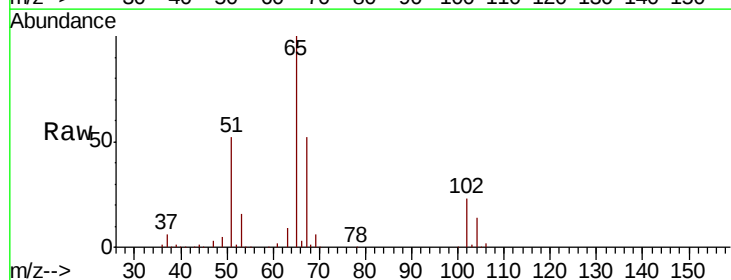
Acq: 20 Aug 2018 19:39

Tgt Ion: 65 Resp: 419583

Ion Ratio Lower Upper

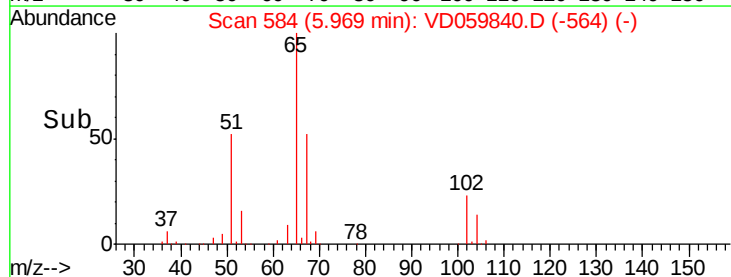
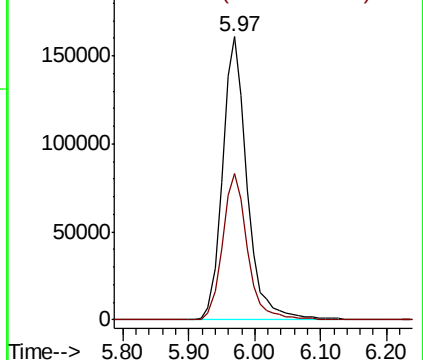
65 100

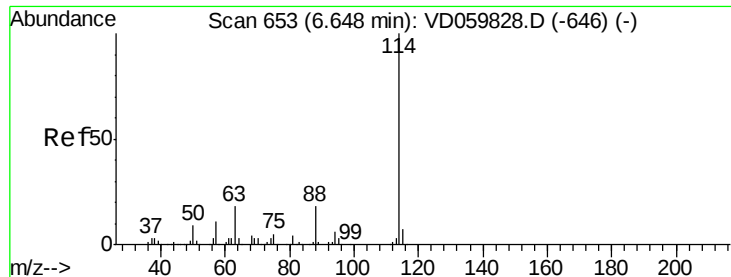
67 51.6 0.0 102.4



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: 6.65 min Scan# 653

Delta R.T. 0.00 min

Lab File: VD059840.D

Acq: 20 Aug 2018 19:39

Instrument :

MSVOA_D

ClientSampleId :

FK-GF-02-024-A

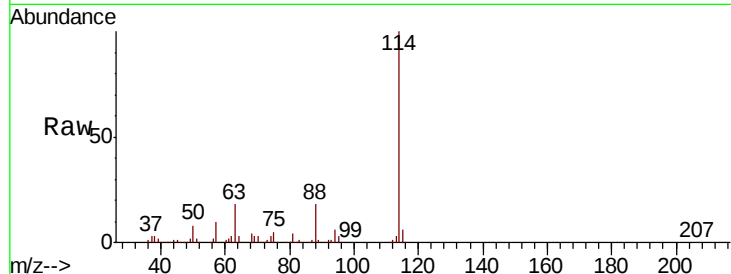
Tgt Ion:114 Resp: 1463349

Ion Ratio Lower Upper

114 100

63 18.2 0.0 37.0

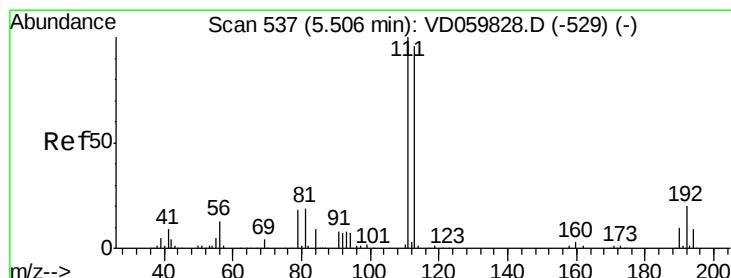
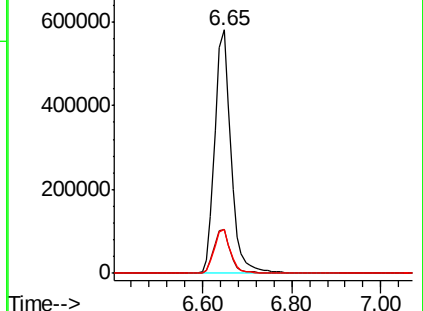
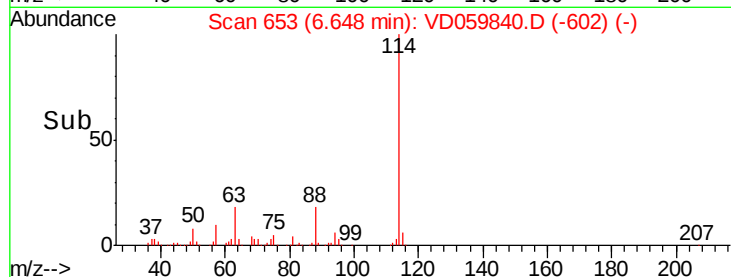
88 18.0 0.0 37.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.50 min Scan# 536

Delta R.T. -0.01 min

Lab File: VD059840.D

Acq: 20 Aug 2018 19:39

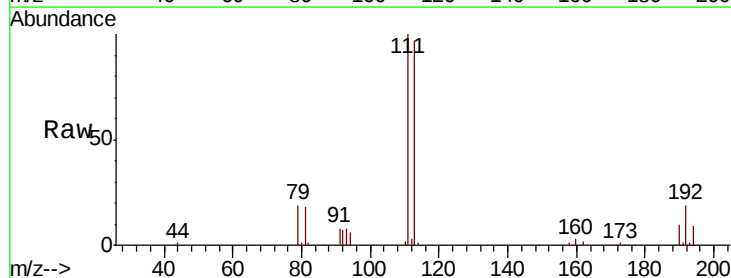
Tgt Ion:113 Resp: 567677

Ion Ratio Lower Upper

113 100

111 103.3 83.3 124.9

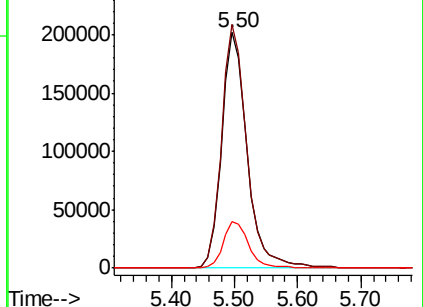
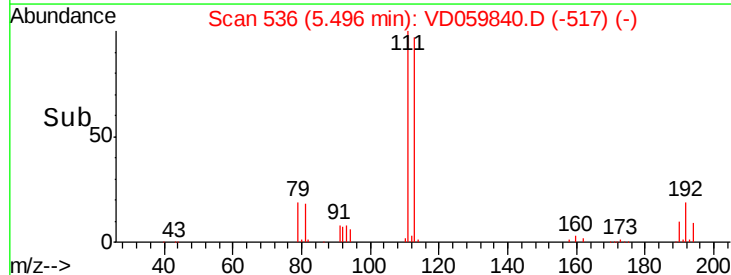
192 19.9 16.8 25.2

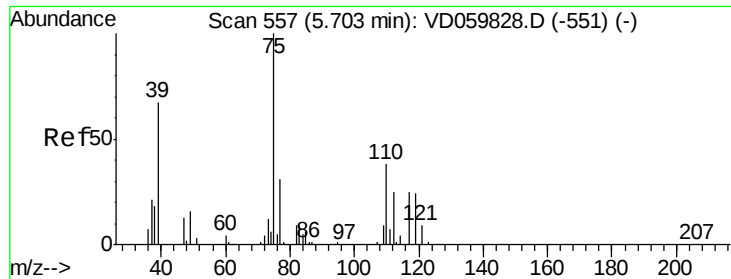


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.888 ug/l

RT: 5.59 min Scan# 545

Delta R.T. -0.12 min

Lab File: VD059840.D

Acq: 20 Aug 2018 19:39

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FK-GF-02-024-A

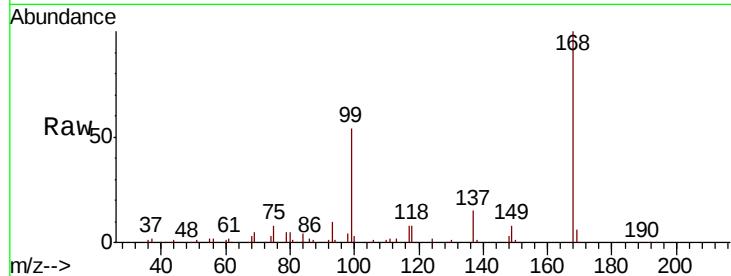
Tgt Ion: 75 Resp: 73072

Ion Ratio Lower Upper

75 100

110 6.8 18.8 56.4#

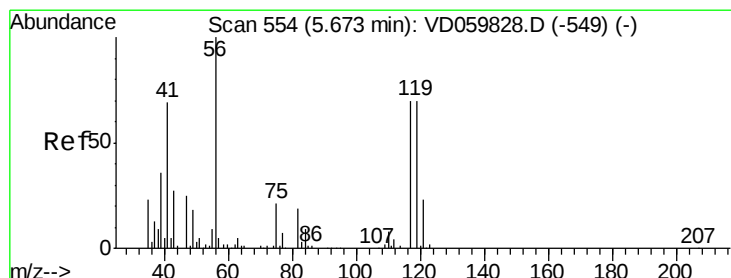
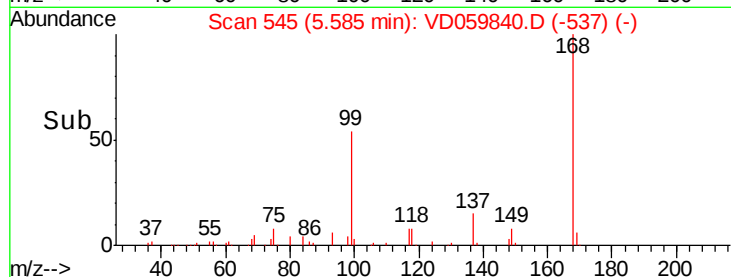
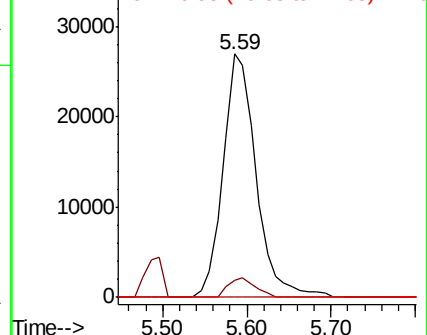
77 0.0 24.9 37.3#



Abundance Ion 75.00 (74.70 to 75.70): VD0

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VD0



#38

Carbon Tetrachloride

Concen: 6.541 ug/l

RT: 5.59 min Scan# 546

Delta R.T. -0.08 min

Lab File: VD059840.D

Acq: 20 Aug 2018 19:39

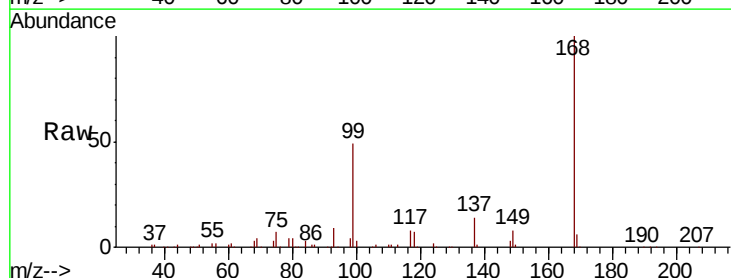
Tgt Ion: 117 Resp: 81014

Ion Ratio Lower Upper

117 100

119 5.3 77.0 115.4#

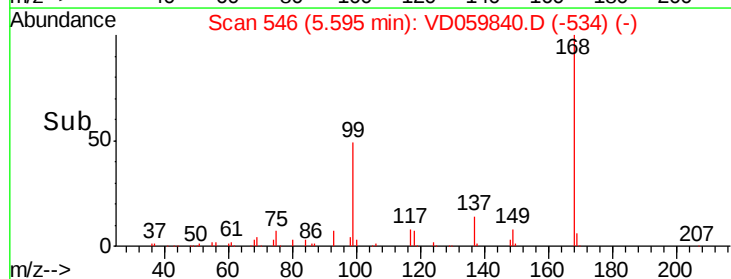
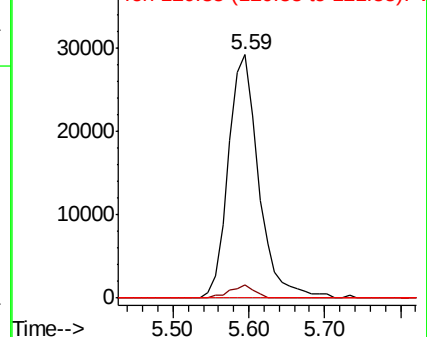
121 0.0 24.7 37.1#

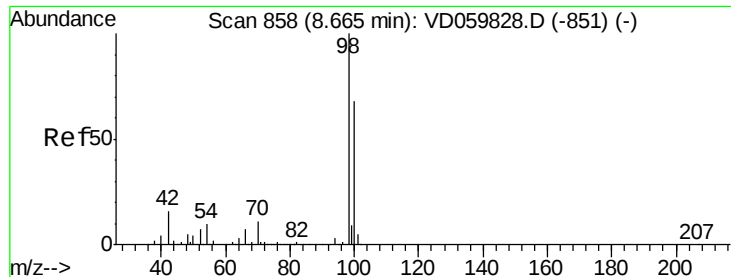


Abundance Ion 116.85 (116.55 to 117.55): V

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: 8.67 min Scan# 858

Delta R.T. 0.00 min

Lab File: VD059840.D

Acq: 20 Aug 2018 19:39

Instrument :

MSVOA_D

ClientSampleId :

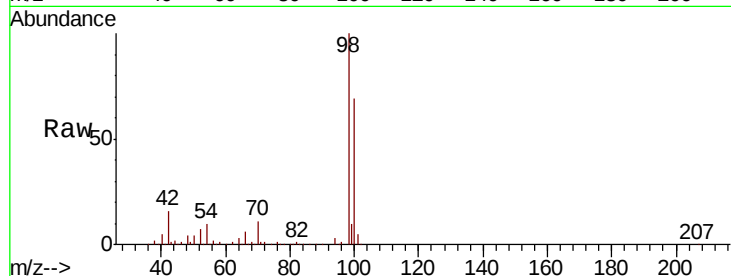
FK-GF-02-024-A

Tgt Ion: 98 Resp: 1456964

Ion Ratio Lower Upper

98 100

100 68.7 55.0 82.4



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

8.67

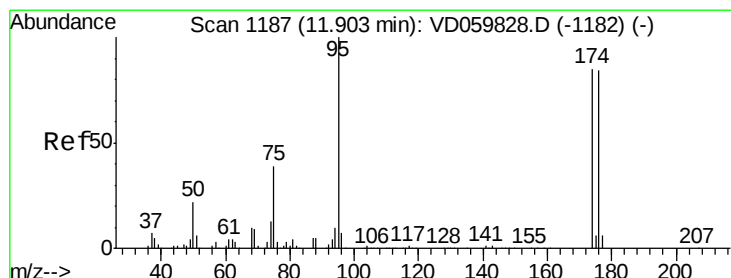
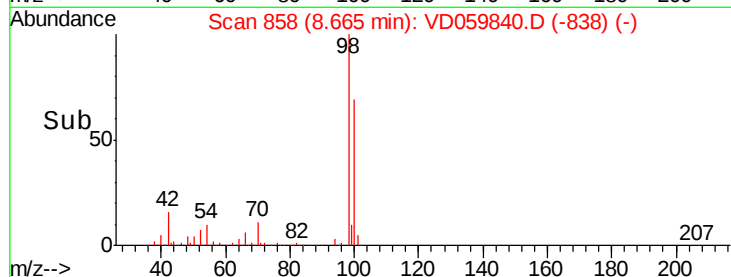
600000

400000

200000

0

Time--> 8.50 8.60 8.70 8.80 8.90



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.90 min Scan# 1187

Delta R.T. 0.00 min

Lab File: VD059840.D

Acq: 20 Aug 2018 19:39

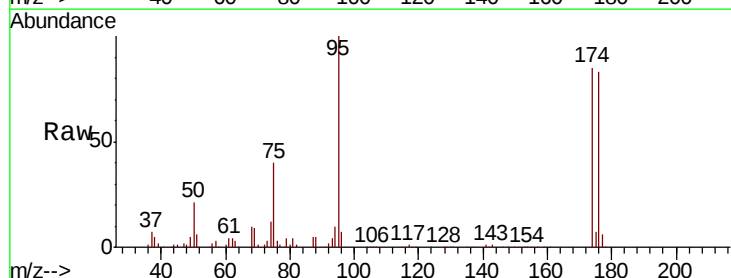
Tgt Ion: 95 Resp: 558335

Ion Ratio Lower Upper

95 100

174 85.1 0.0 169.2

176 82.8 0.0 168.0



Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

500000

400000

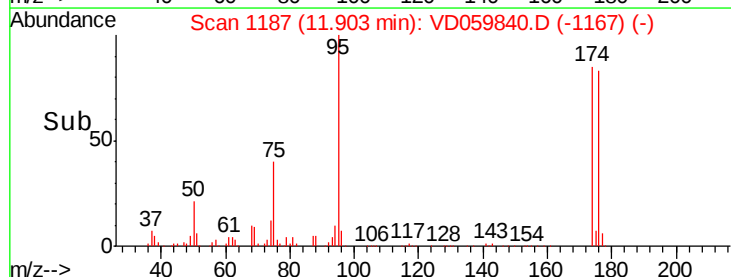
300000

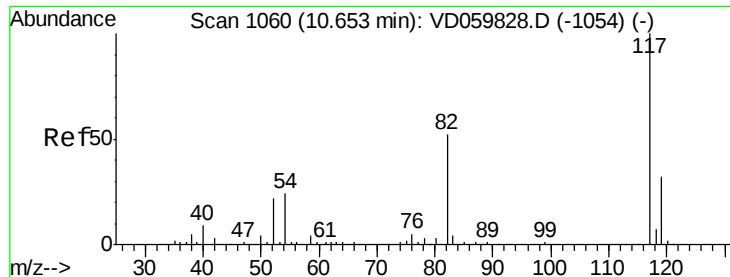
200000

100000

0

Time--> 11.80 11.90 12.00 12.10

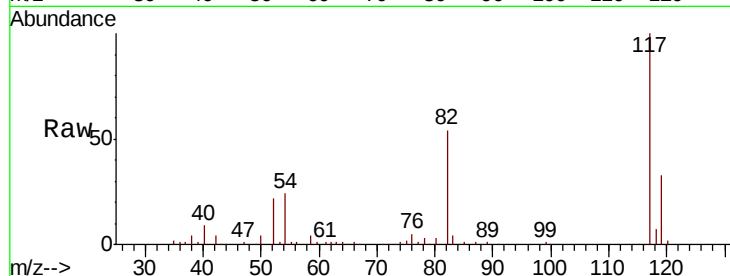




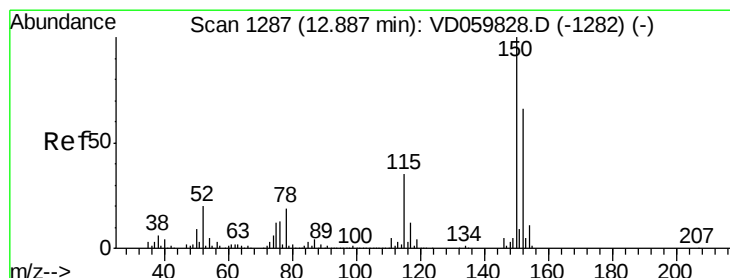
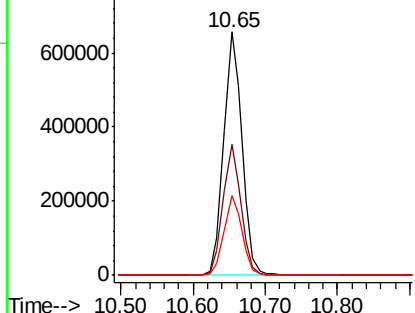
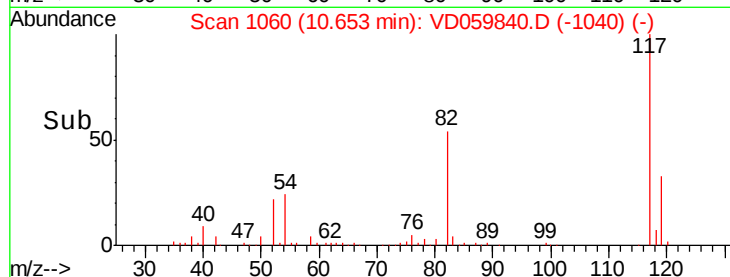
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.65 min Scan# 1060
Delta R.T. 0.00 min
Lab File: VD059840.D
Acq: 20 Aug 2018 19:39

Instrument :
MSVOA_D
ClientSampleId :
FK-GF-02-024-A

Tgt Ion:117 Resp: 1155666
Ion Ratio Lower Upper
117 100
82 54.0 41.6 62.4
119 32.7 25.6 38.4

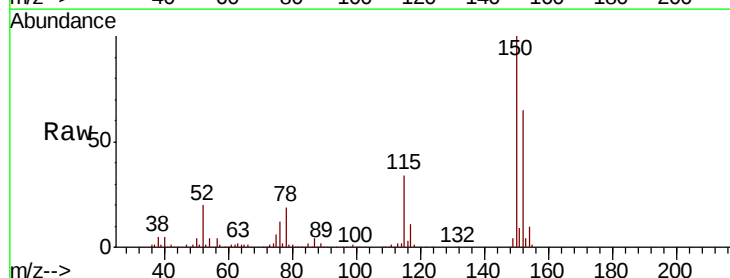


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): VD
Ion 118.95 (118.65 to 119.65): V

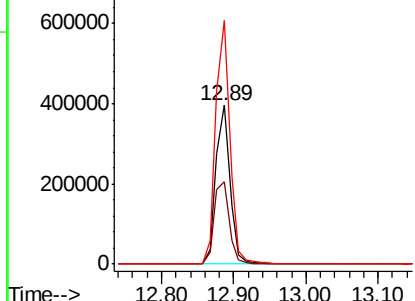
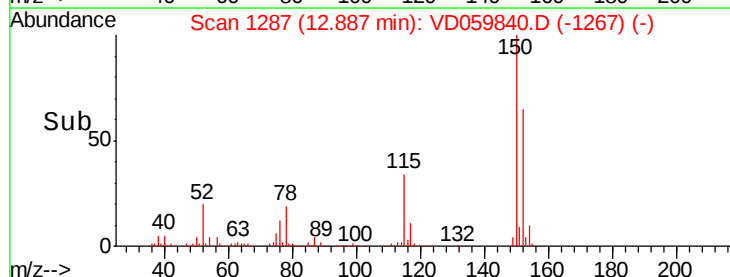


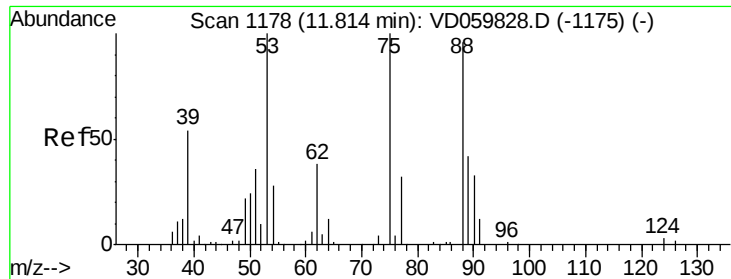
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.89 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VD059840.D
Acq: 20 Aug 2018 19:39

Tgt Ion:152 Resp: 530069
Ion Ratio Lower Upper
152 100
115 51.9 26.9 80.6
150 153.4 0.0 306.8



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





#81

trans-1,4-Dichloro-2-butene

Concen: 2.997 ug/l

RT: 11.81 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VD059840.D

Acq: 20 Aug 2018 19:39

Instrument :

MSVOA_D

ClientSampleId :

FK-GF-02-024-A

Tgt Ion: 75 Resp: 8216

Ion Ratio Lower Upper

75 100

53 0.0 80.7 121.1#

89 0.0 33.9 50.9#

