

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF080118\
 Data File : VF059769.D
 Acq On : 1 Aug 2018 21:34
 Operator : VA/AP
 Sample : J4236-02
 Misc : 9.48g/5mL/MSVOA_F/SOIL
 ALS Vial : 99 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 FK-GF-01-010-A

Quant Time: Aug 02 05:32:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	232728	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	368578	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	313560	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	162060	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	199450	47.69	ug/l	0.00
Spiked Amount			Recovery	=	95.38%	
35) Dibromofluoromethane	4.29	113	184919	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	
50) Toluene-d8	7.70	98	361670	40.51	ug/l	0.00
Spiked Amount			Recovery	=	81.02%	
62) 4-Bromofluorobenzene	11.51	95	165089	33.40	ug/l	0.00
Spiked Amount			Recovery	=	66.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	80	Below Cal	#	44
3) Chloromethane	1.21	50	118	Below Cal		92
4) Vinyl Chloride	1.17	62	144	Below Cal	#	47
5) Bromomethane	1.35	94	698	Below Cal	#	37
6) Chloroethane	1.39	64	66	Below Cal	#	1
10) Methyl Iodide	2.08	142	68	Below Cal	#	20
11) Tert butyl alcohol	2.69	59	1264	6.071	ug/l #	2
13) Acrolein	2.06	56	423	20.545	ug/l	99
15) Acrylonitrile	3.08	53	261	1.029	ug/l #	13
16) Acetone	2.34	43	23781	31.610	ug/l #	91
17) Carbon Disulfide	1.84	76	161	Below Cal	#	1
18) Methyl Acetate	2.48	43	2781	Below Cal	#	64
20) Methylene Chloride	2.27	84	2088	Below Cal	#	64
21) trans-1,2-Dichloroethene	2.41	96	334	Below Cal	#	1
28) Bromochloromethane	3.78	49	59	Below Cal	#	15
29) Tetrahydrofuran	4.27	42	523	1.621	ug/l #	63
31) Cyclohexane	3.86	56	171	Below Cal	#	22
36) 1,1-Dichloropropene	4.47	75	662	Below Cal	#	46
37) Ethyl Acetate	4.22	43	1556	Below Cal	#	87
39) Methylcyclohexane	5.62	83	220	Below Cal	#	42
41) Methacrylonitrile	4.89	41	148	Below Cal	#	24
44) Trichloroethene	5.67	130	76	Below Cal		2
49) 1,4-Dioxane	6.78	88	108	Below Cal	#	21
52) Toluene	7.77	92	1277	Below Cal	#	70
58) 2-Chloroethyl Vinyl ether	7.77	63	766	3.156	ug/l	100
64) Tetrachloroethene	8.30	164	75	Below Cal	#	43
68) m/p-Xylenes	10.26	106	321	Below Cal	#	36
78) n-propylbenzene	11.69	91	413	Below Cal	#	54
79) 2-Chlorotoluene	11.80	91	418	Below Cal	#	44
80) 1,3,5-Trimethylbenzene	11.91	105	342	Below Cal		73
82) 4-Chlorotoluene	11.99	91	295	Below Cal	#	37
84) 1,2,4-Trimethylbenzene	12.28	105	1082	Below Cal	#	55
85) sec-Butylbenzene	12.40	105	234	Below Cal	#	57
86) p-Isopropyltoluene	12.53	119	481	Below Cal	#	49

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Quant Title : SW846 8260
QLast Update : Tue Jul 31 15:23:22 2018
Response via : Initial Calibration

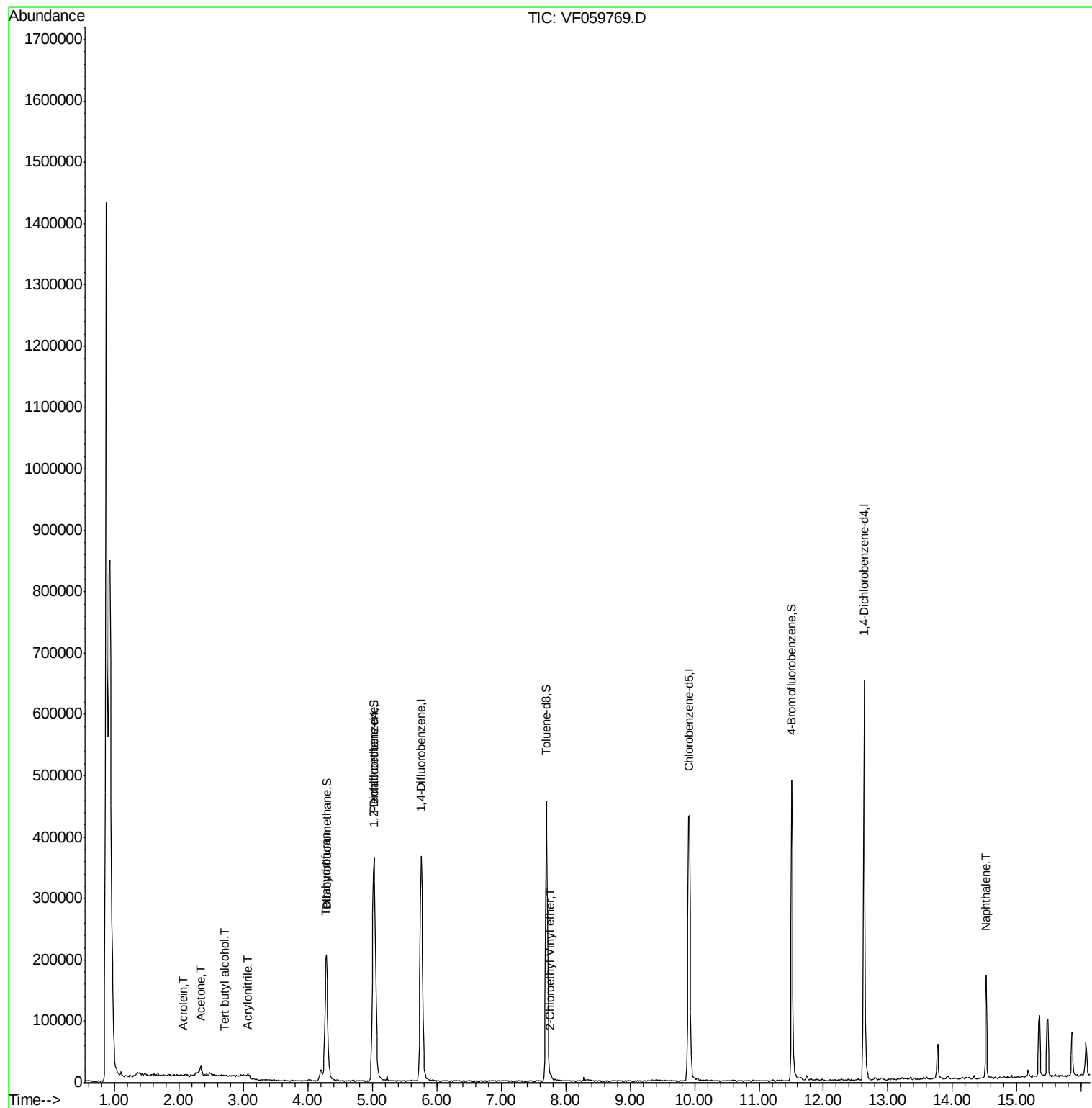
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) 1,3-Dichlorobenzene	12.55	146	207	Below Cal	#	24
88) 1,4-Dichlorobenzene	12.64	146	260	Below Cal	#	1
89) n-Butylbenzene	12.92	91	777	Below Cal	#	57
91) 1,2-Dichlorobenzene	13.02	146	185	Below Cal	#	24
93) 1,2,4-Trichlorobenzene	14.26	180	292	Below Cal	#	77
95) Naphthalene	14.52	128	115923	16.591 ug/l		99

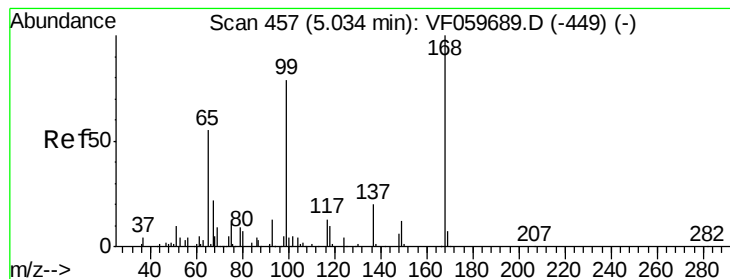
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF059769.D

Acq: 1 Aug 2018 21:34

Instrument :

MSVOA_F

ClientSampleId :

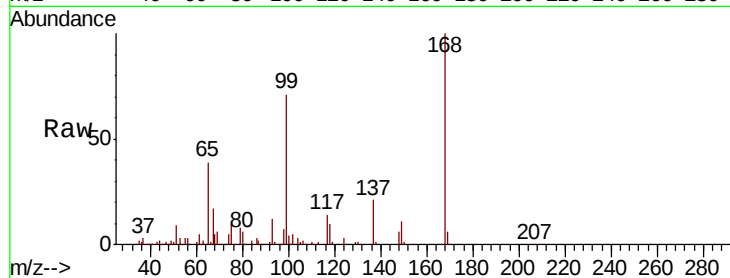
FK-GF-01-010-A

Tgt Ion:168 Resp: 232728

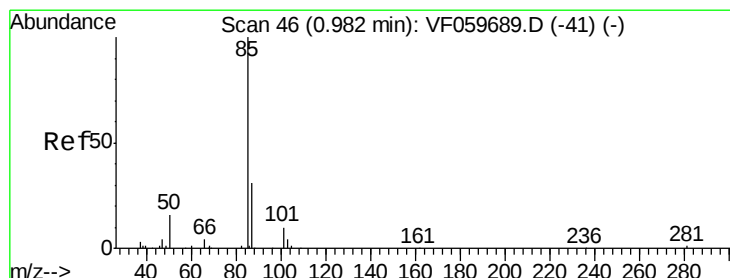
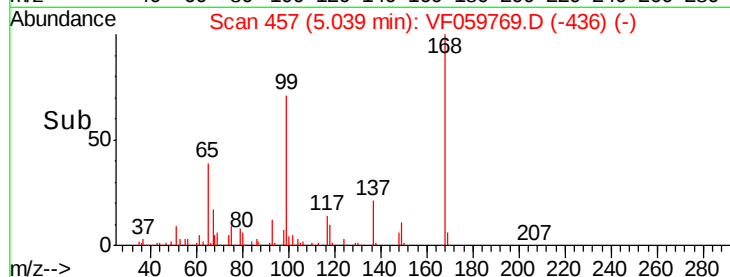
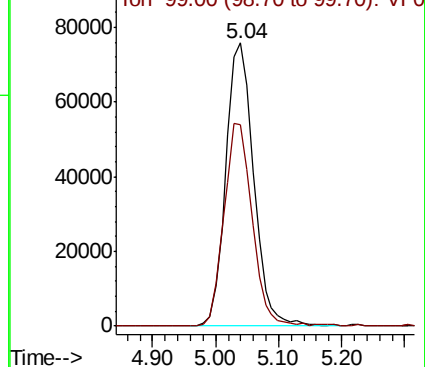
Ion Ratio Lower Upper

168 100

99 71.1 63.3 94.9



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.99 min Scan# 46

Delta R.T. 0.01 min

Lab File: VF059769.D

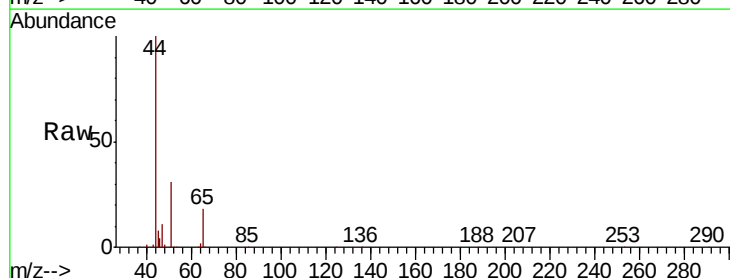
Acq: 1 Aug 2018 21:34

Tgt Ion: 85 Resp: 80

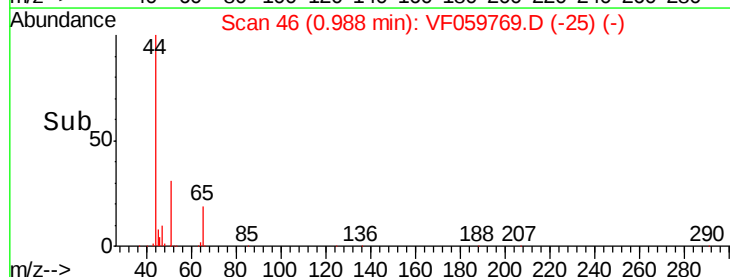
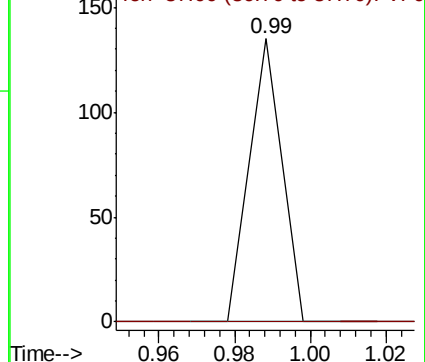
Ion Ratio Lower Upper

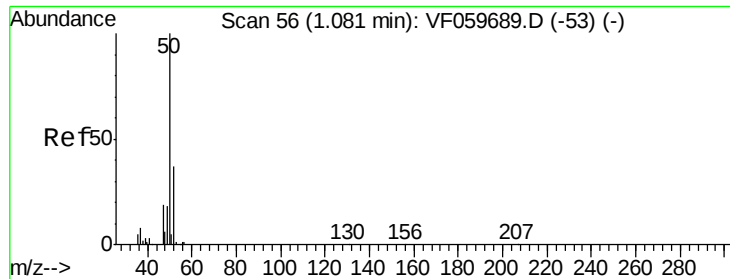
85 100

87 0.0 15.3 45.8#



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: Below Cal

RT: 1.21 min Scan# 69

Delta R.T. 0.13 min

Lab File: VF059769.D

Acq: 1 Aug 2018 21:34

Instrument :

MSVOA_F

ClientSampleId :

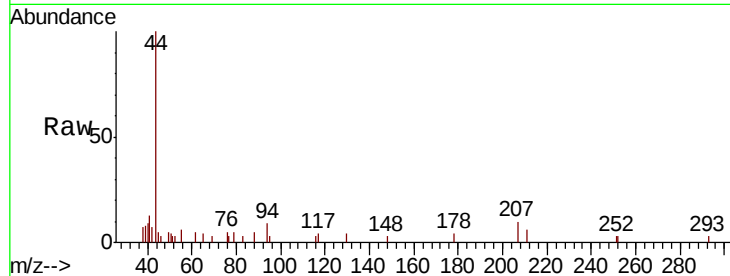
FK-GF-01-010-A

Tgt Ion: 50 Resp: 118

Ion Ratio Lower Upper

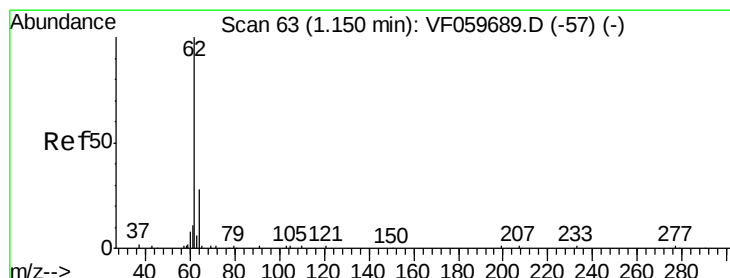
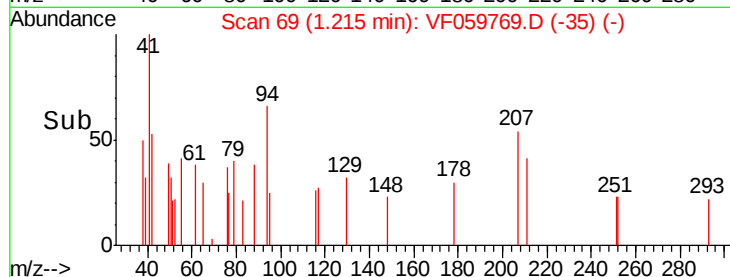
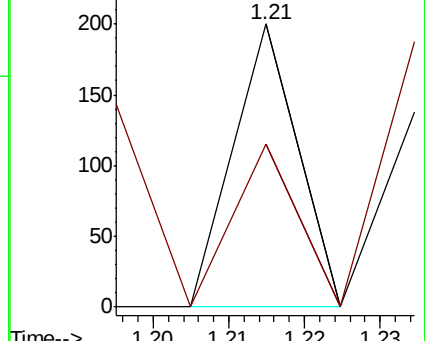
50 100

52 31.8 29.1 43.7



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: Below Cal

RT: 1.17 min Scan# 64

Delta R.T. 0.02 min

Lab File: VF059769.D

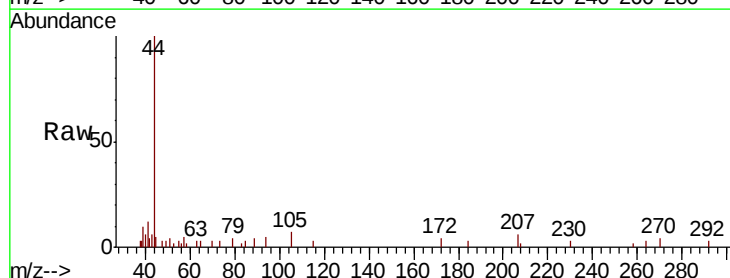
Acq: 1 Aug 2018 21:34

Tgt Ion: 62 Resp: 144

Ion Ratio Lower Upper

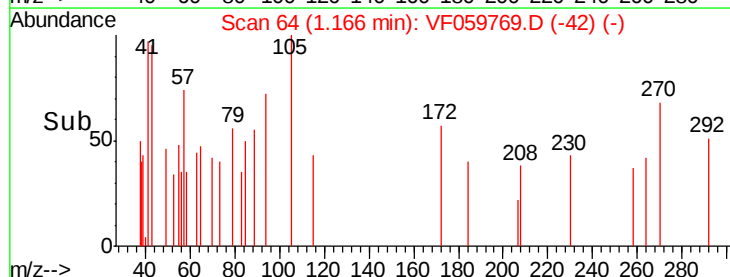
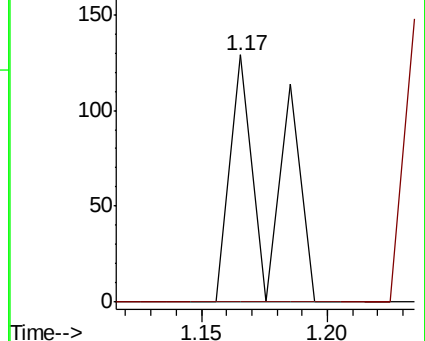
62 100

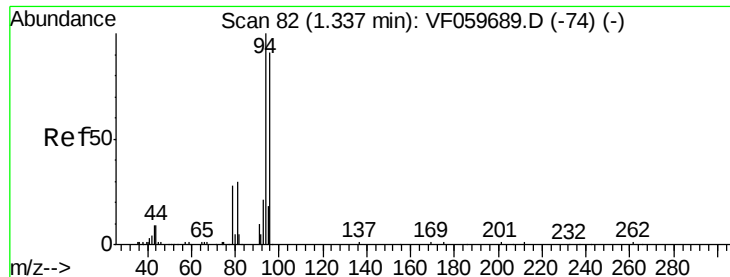
64 0.0 22.6 33.8#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: Below Cal

RT: 1.35 min Scan# 83

Delta R.T. 0.02 min

Lab File: VF059769.D

Acq: 1 Aug 2018 21:34

Instrument :

MSVOA_F

ClientSampleId :

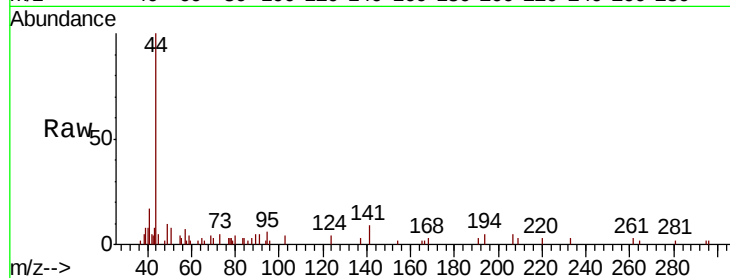
FK-GF-01-010-A

Tgt Ion: 94 Resp: 698

Ion Ratio Lower Upper

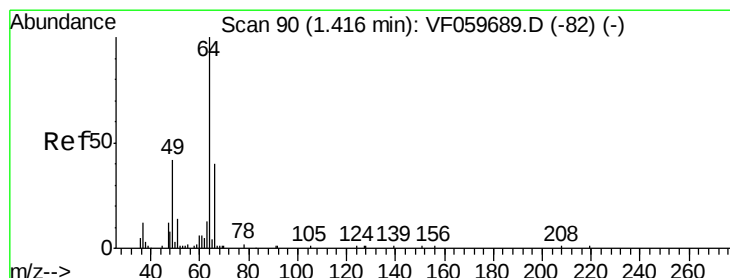
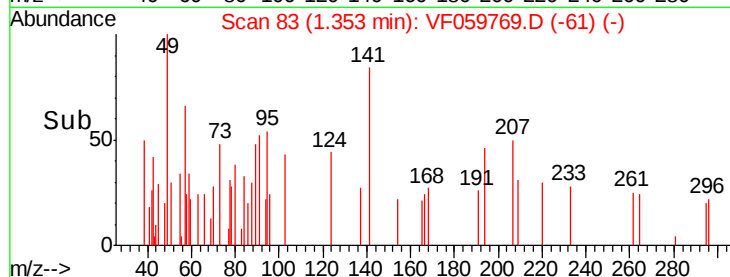
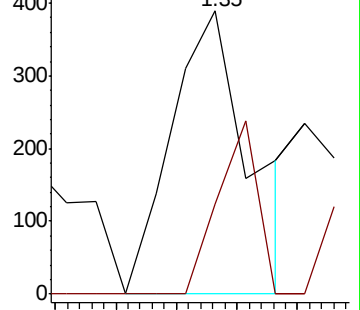
94 100

96 31.6 73.6 110.4#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: Below Cal

RT: 1.39 min Scan# 87

Delta R.T. -0.02 min

Lab File: VF059769.D

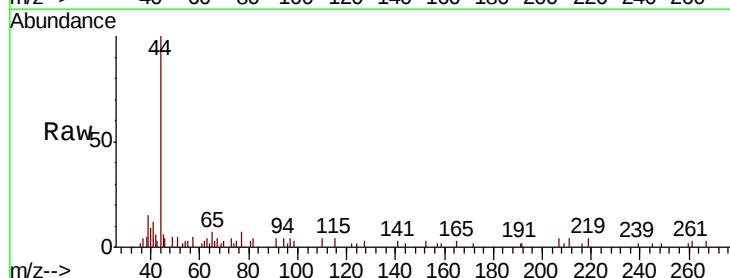
Acq: 1 Aug 2018 21:34

Tgt Ion: 64 Resp: 66

Ion Ratio Lower Upper

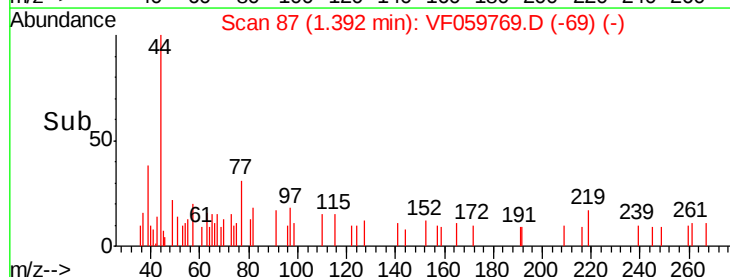
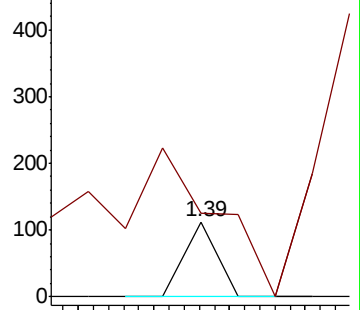
64 100

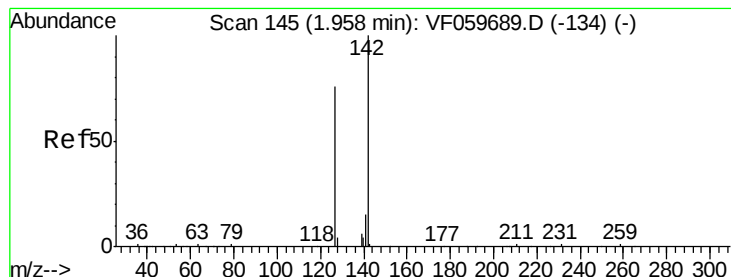
66 111.6 32.6 49.0#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#10

Methyl Iodide

Concen: Below Cal

RT: 2.08 min Scan# 157

Delta R.T. 0.12 min

Lab File: VF059769.D

Acq: 1 Aug 2018 21:34

Instrument :

MSVOA_F

ClientSampleId :

FK-GF-01-010-A

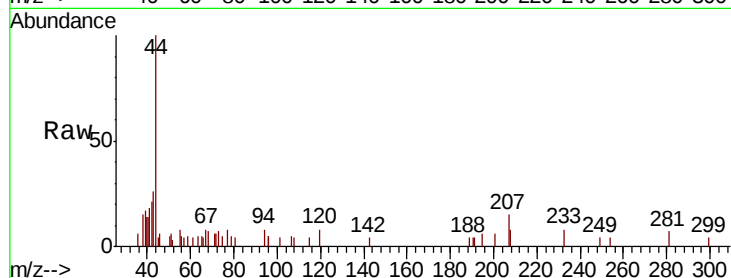
Tgt Ion:142 Resp: 68

Ion Ratio Lower Upper

142 100

127 0.0 60.6 91.0#

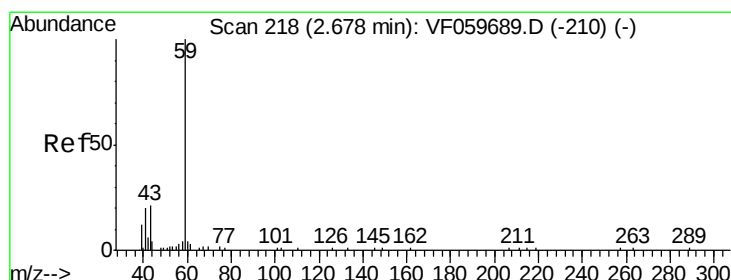
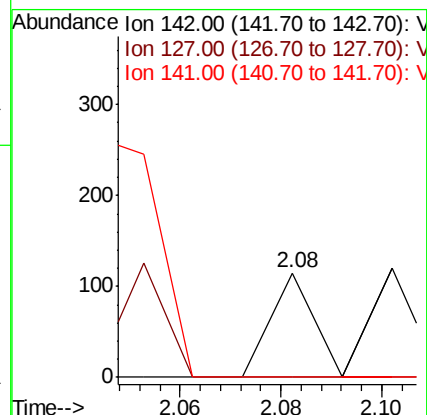
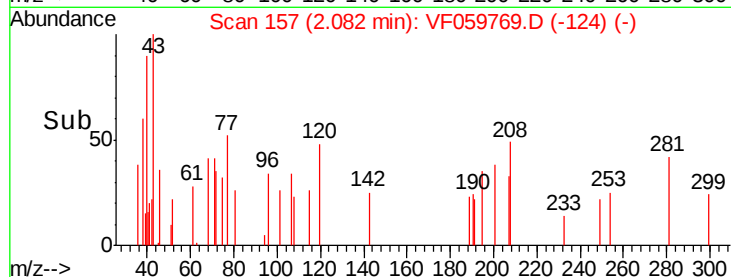
141 0.0 12.0 18.0#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#11

Tert butyl alcohol

Concen: 6.071 ug/l

RT: 2.69 min Scan# 219

Delta R.T. 0.02 min

Lab File: VF059769.D

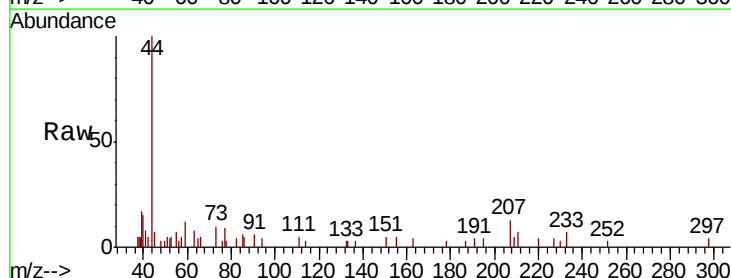
Acq: 1 Aug 2018 21:34

Tgt Ion: 59 Resp: 1264

Ion Ratio Lower Upper

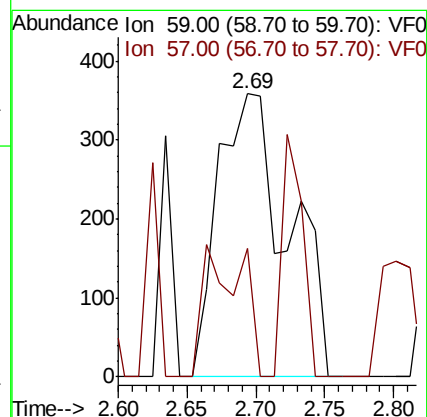
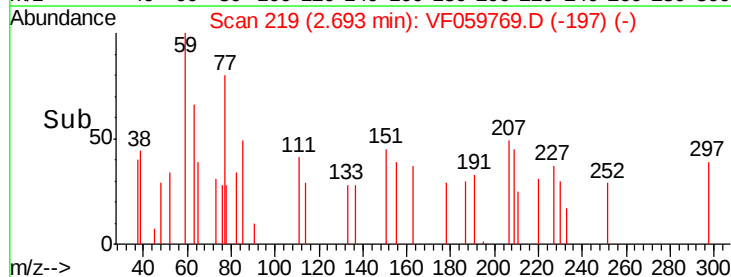
59 100

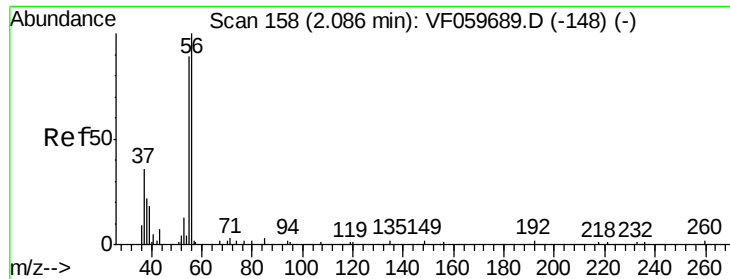
57 45.3 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#13

Acrolein

Concen: 20.545 ug/l

RT: 2.06 min Scan# 155

Delta R.T. -0.02 min

Lab File: VF059769.D

Acq: 1 Aug 2018 21:34

Instrument :

MSVOA_F

ClientSampleId :

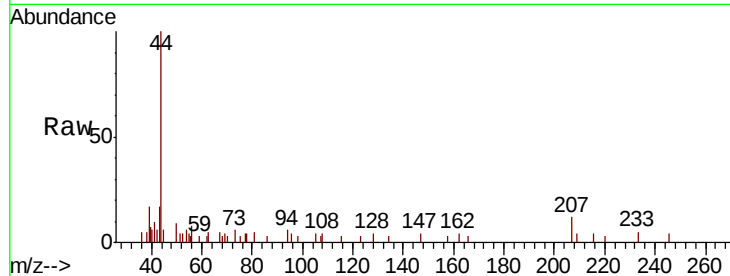
FK-GF-01-010-A

Tgt Ion: 56 Resp: 423

Ion Ratio Lower Upper

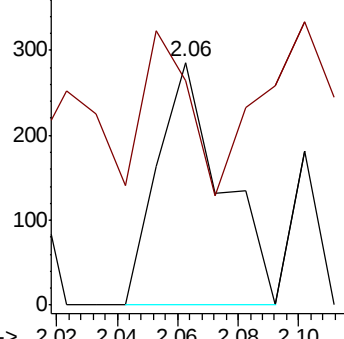
56 100

55 92.3 73.2 109.8

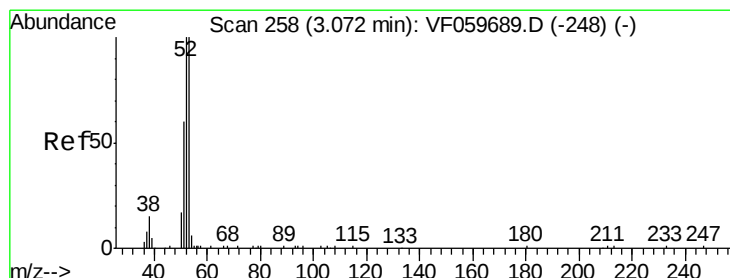
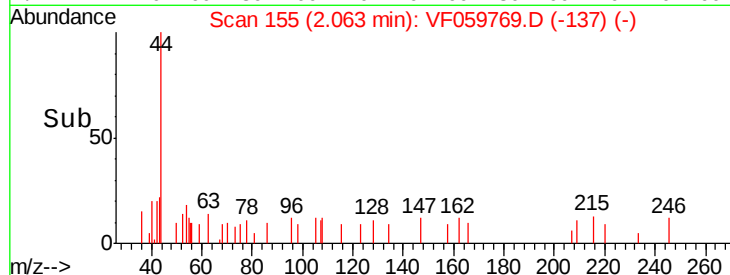


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



Time-->



#15

Acrylonitrile

Concen: 1.029 ug/l

RT: 3.08 min Scan# 258

Delta R.T. 0.01 min

Lab File: VF059769.D

Acq: 1 Aug 2018 21:34

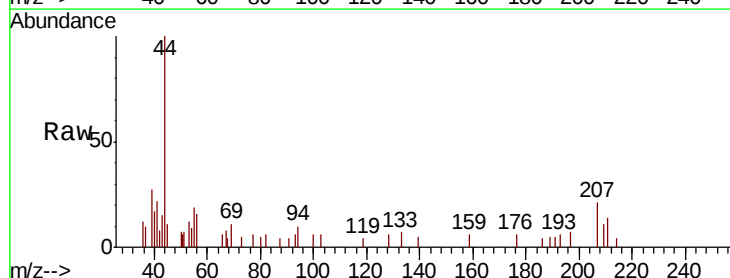
Tgt Ion: 53 Resp: 261

Ion Ratio Lower Upper

53 100

52 0.0 80.3 120.5#

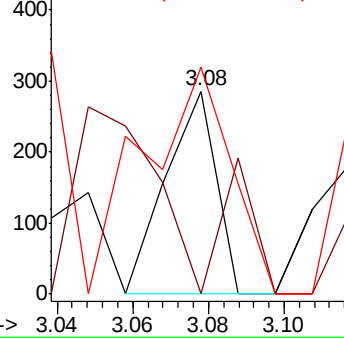
51 111.5 49.4 74.0#



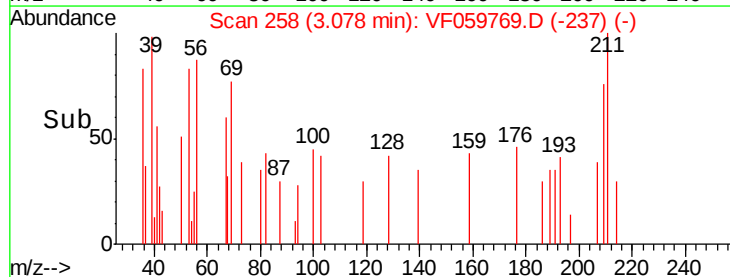
Abundance Ion 53.00 (52.70 to 53.70): VF0

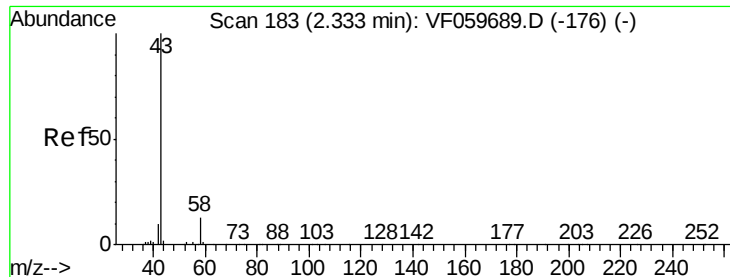
Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



Time-->





#16

Acetone

Concen: 31.610 ug/l

RT: 2.34 min Scan# 183

Delta R.T. 0.01 min

Lab File: VF059769.D

Acq: 1 Aug 2018 21:34

Instrument :

MSVOA_F

ClientSampleId :

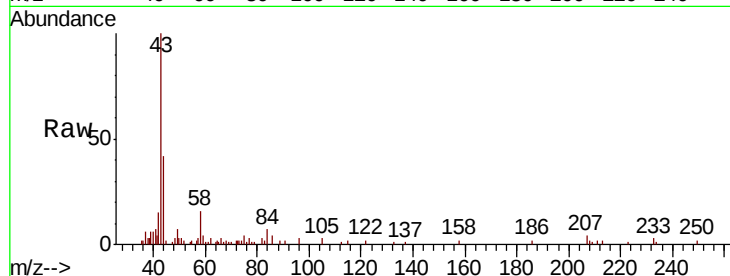
FK-GF-01-010-A

Tgt Ion: 43 Resp: 23781

Ion Ratio Lower Upper

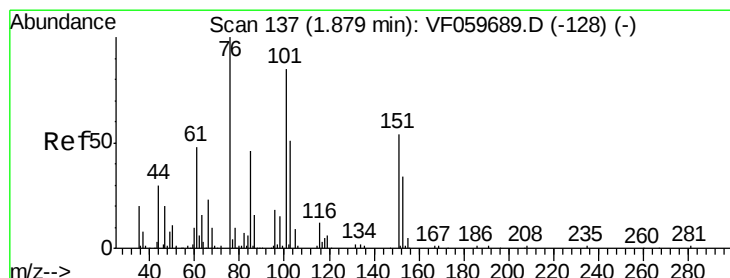
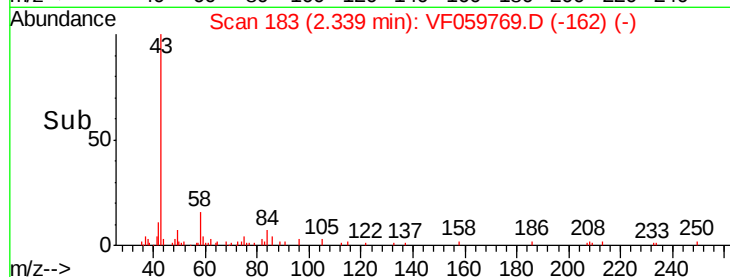
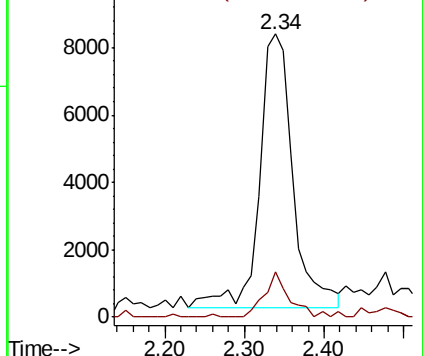
43 100

58 16.0 10.1 15.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#17

Carbon Disulfide

Concen: Below Cal

RT: 1.84 min Scan# 132

Delta R.T. -0.04 min

Lab File: VF059769.D

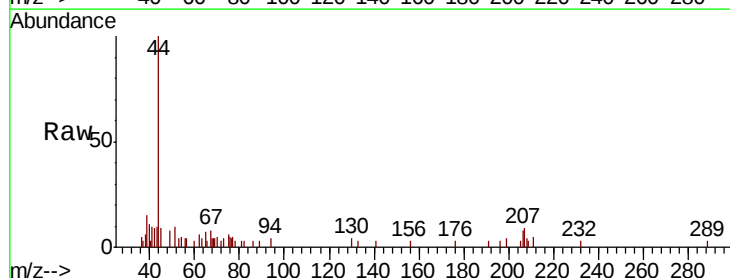
Acq: 1 Aug 2018 21:34

Tgt Ion: 76 Resp: 161

Ion Ratio Lower Upper

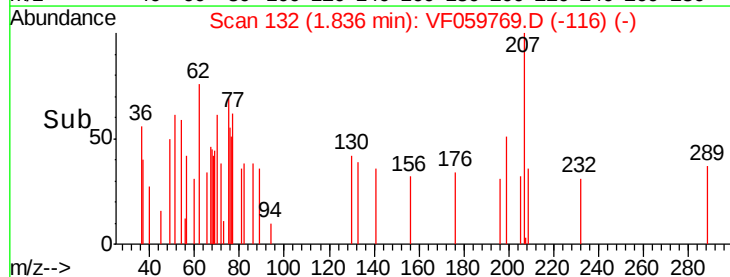
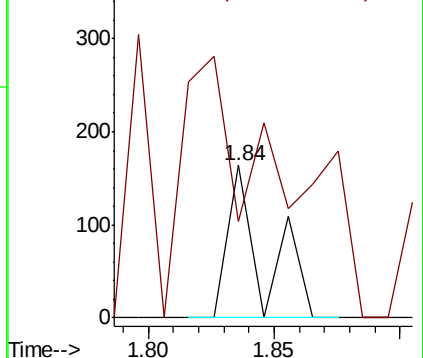
76 100

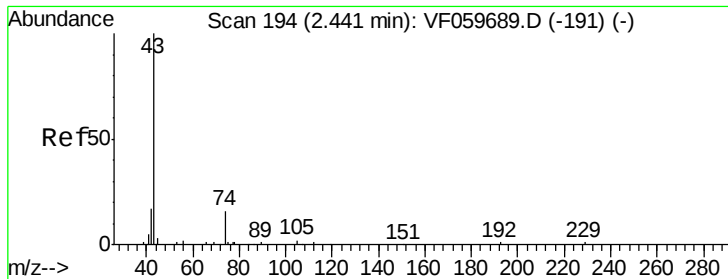
78 63.4 8.9 13.3#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

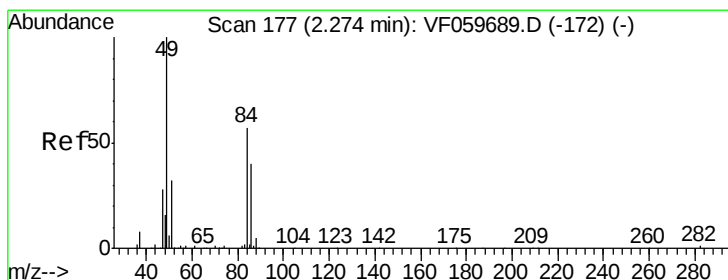
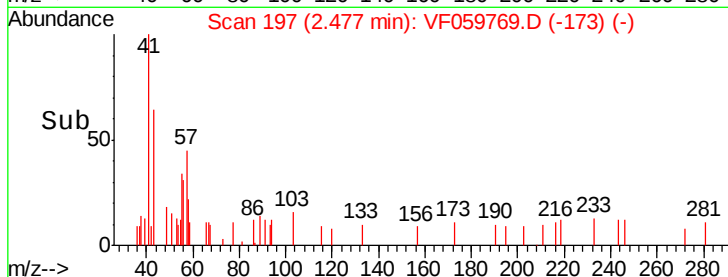
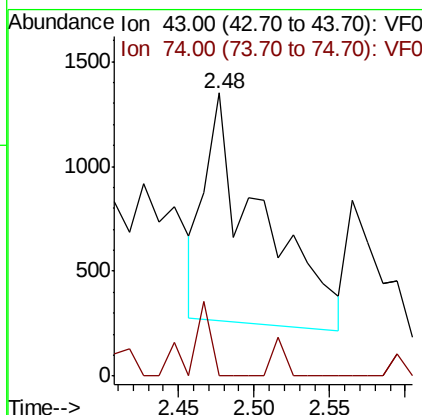
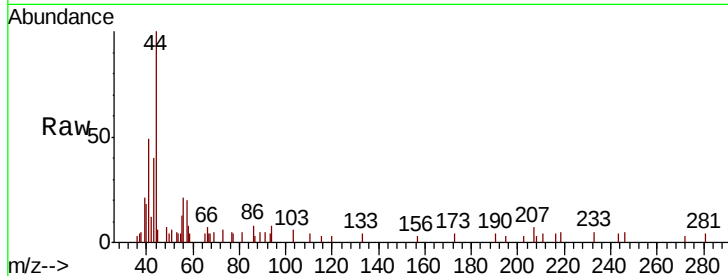




#18
Methyl Acetate
Concen: Below Cal
RT: 2.48 min Scan# 197
Delta R.T. 0.04 min
Lab File: VF059769.D
Acq: 1 Aug 2018 21:34

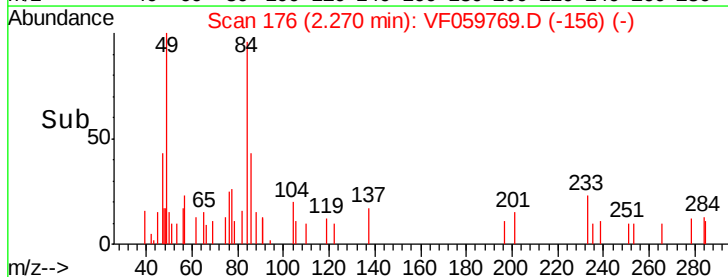
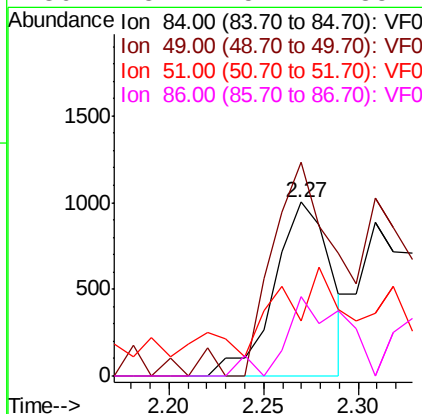
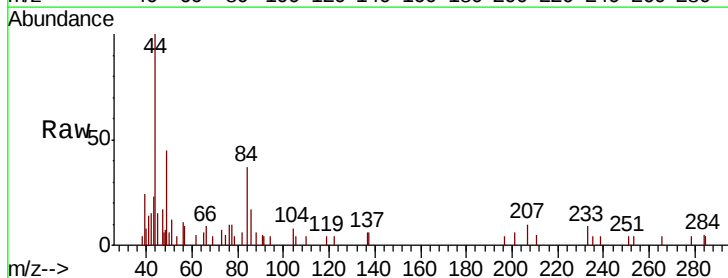
Instrument :
MSVOA_F
ClientSampleId :
FK-GF-01-010-A

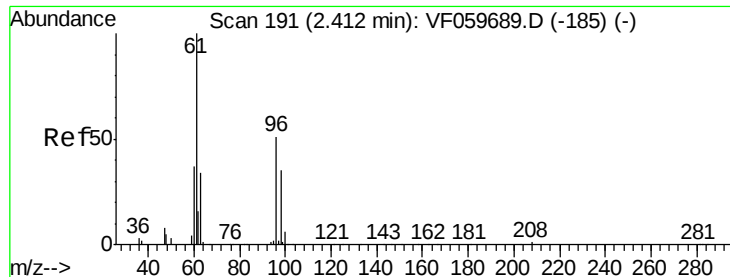
Tgt Ion: 43 Resp: 2781
Ion Ratio Lower Upper
43 100
74 0.0 11.8 17.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.27 min Scan# 176
Delta R.T. -0.00 min
Lab File: VF059769.D
Acq: 1 Aug 2018 21:34

Tgt Ion: 84 Resp: 2088
Ion Ratio Lower Upper
84 100
49 123.0 142.2 213.4#
51 31.5 46.2 69.2#
86 45.4 57.1 85.7#





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 2.41 min Scan# 190

Delta R.T. -0.00 min

Lab File: VF059769.D

Acq: 1 Aug 2018 21:34

Instrument :

MSVOA_F

ClientSampleId :

FK-GF-01-010-A

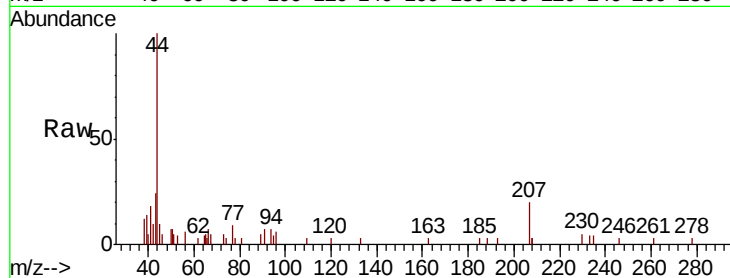
Tgt Ion: 96 Resp: 334

Ion Ratio Lower Upper

96 100

61 0.0 157.4 236.0#

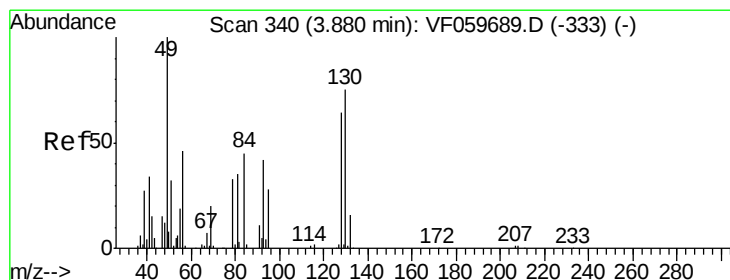
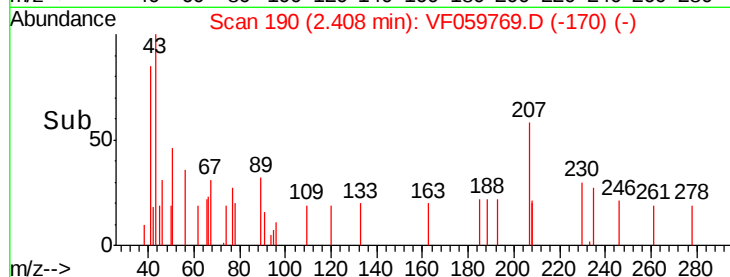
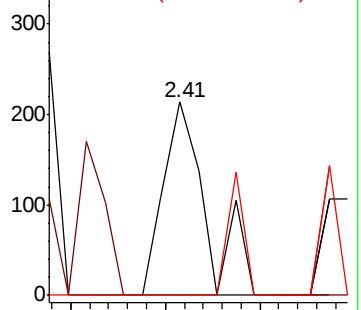
98 0.0 55.0 82.4#



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#28

Bromochloromethane

Concen: Below Cal

RT: 3.78 min Scan# 329

Delta R.T. -0.10 min

Lab File: VF059769.D

Acq: 1 Aug 2018 21:34

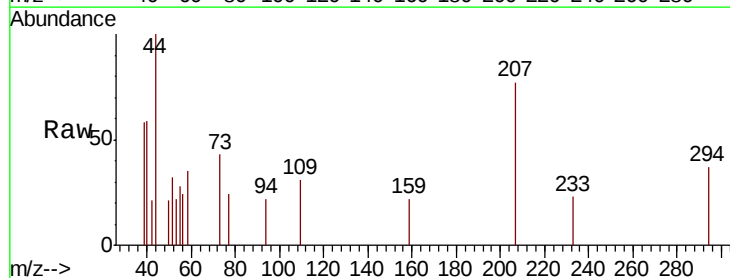
Tgt Ion: 49 Resp: 59

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.8

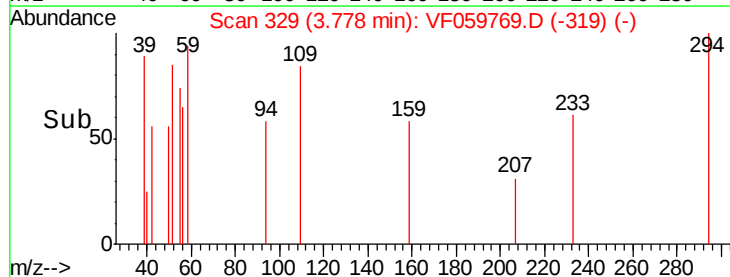
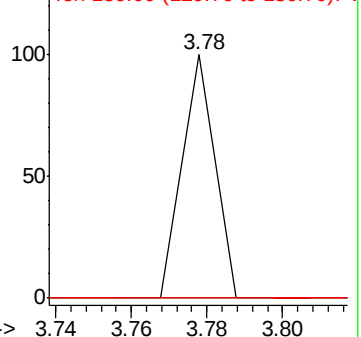
130 0.0 59.6 89.4#

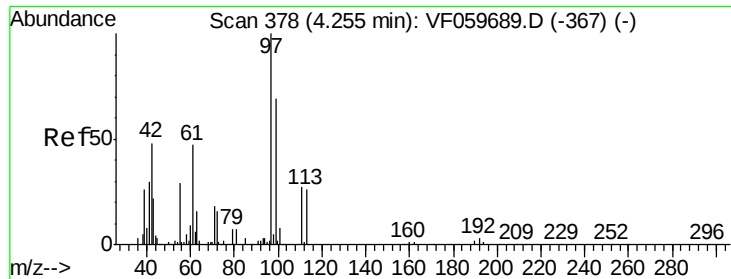


Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 1.621 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.02 min

Lab File: VF059769.D

Acq: 1 Aug 2018 21:34

Instrument :

MSVOA_F

ClientSampleId :

FK-GF-01-010-A

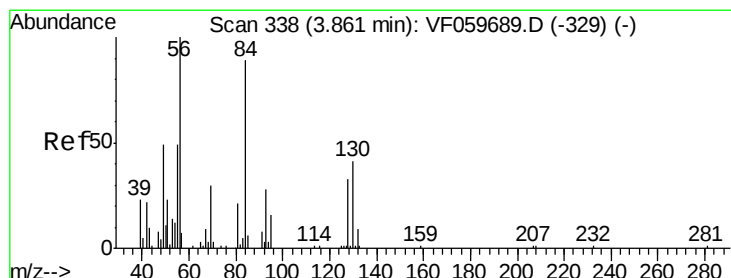
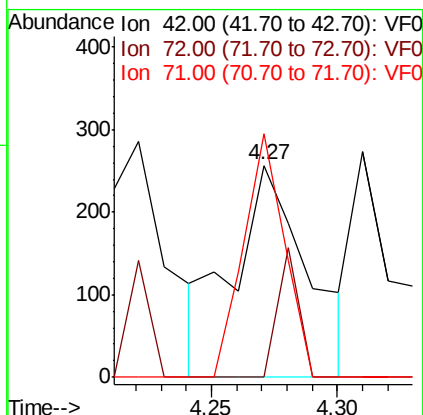
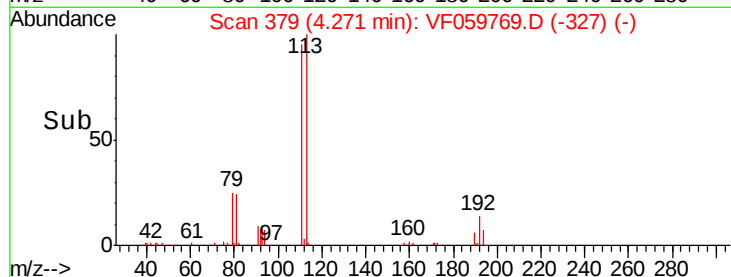
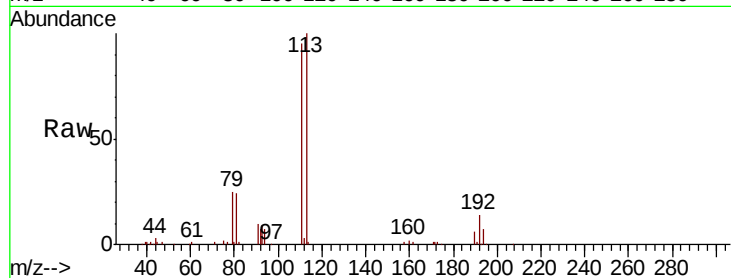
Tgt Ion: 42 Resp: 523

Ion Ratio Lower Upper

42 100

72 17.8 27.0 40.6#

71 63.9 29.7 44.5#



#31

Cyclohexane

Concen: Below Cal

RT: 3.86 min Scan# 337

Delta R.T. -0.00 min

Lab File: VF059769.D

Acq: 1 Aug 2018 21:34

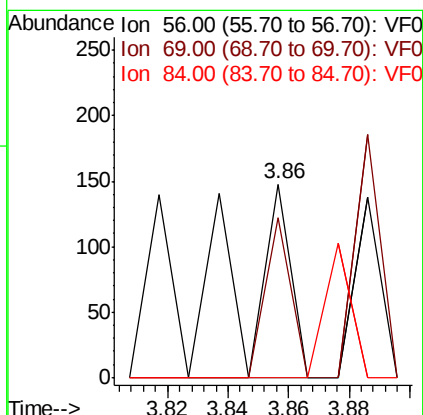
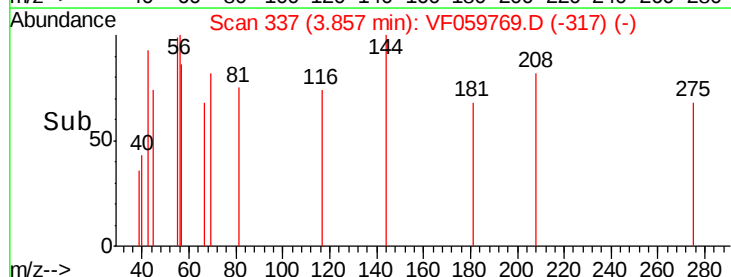
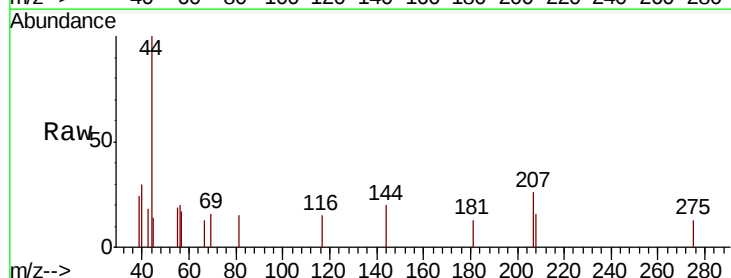
Tgt Ion: 56 Resp: 171

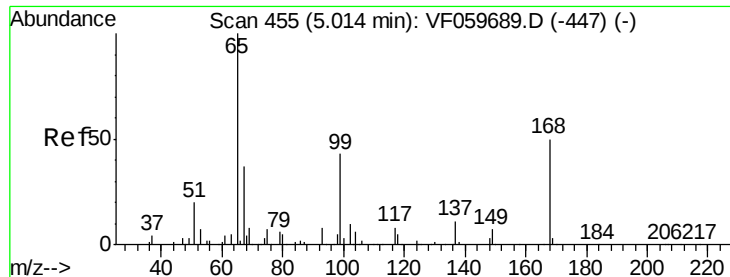
Ion Ratio Lower Upper

56 100

69 44.2 23.7 35.5#

84 0.0 71.1 106.7#





#33

1,2-Dichloroethane-d4

Concen: 47.686 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.00 min

Lab File: VF059769.D

Acq: 1 Aug 2018 21:34

Instrument :

MSVOA_F

ClientSampleId :

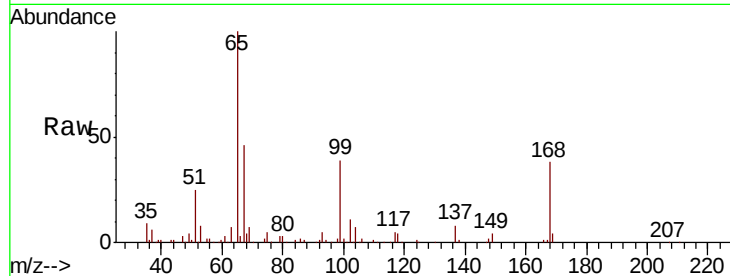
FK-GF-01-010-A

Tgt Ion: 65 Resp: 199450

Ion Ratio Lower Upper

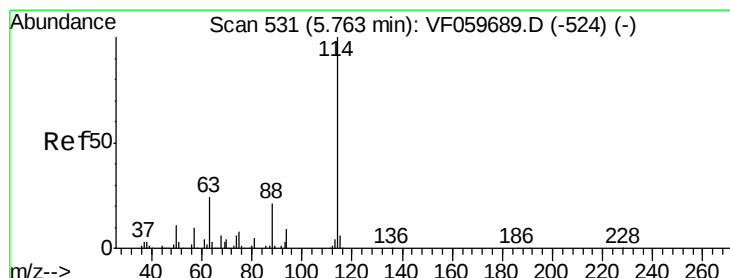
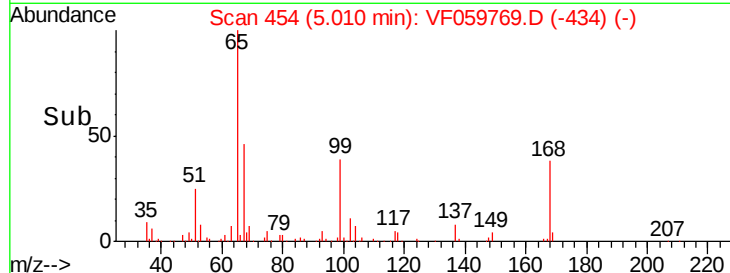
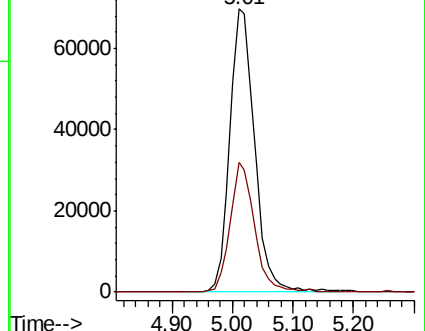
65 100

67 46.0 0.0 84.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.00 min

Lab File: VF059769.D

Acq: 1 Aug 2018 21:34

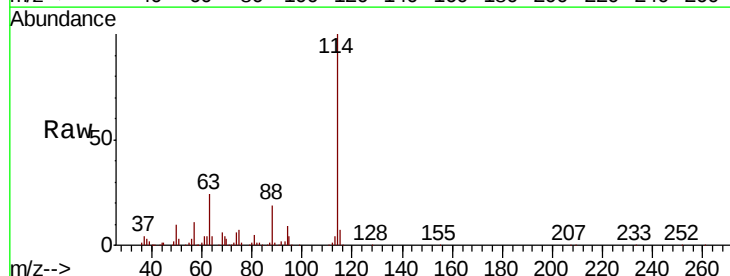
Tgt Ion: 114 Resp: 368578

Ion Ratio Lower Upper

114 100

63 24.4 0.0 47.4

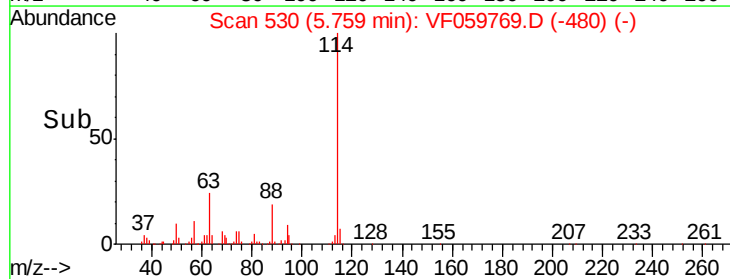
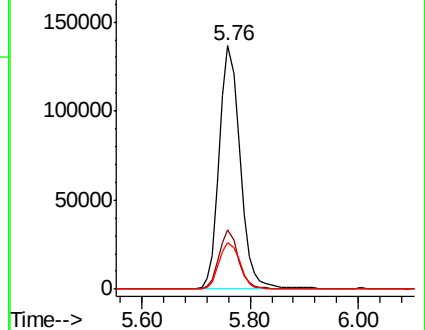
88 19.2 0.0 41.2

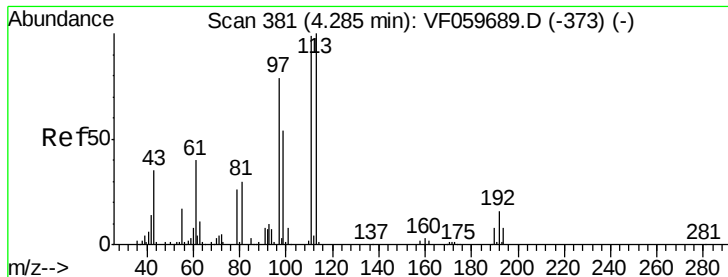


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 48.304 ug/l

RT: 4.29 min Scan# 381

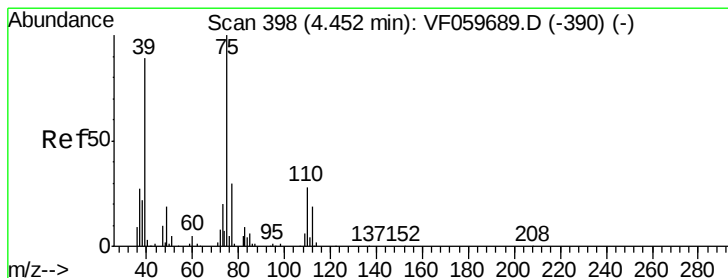
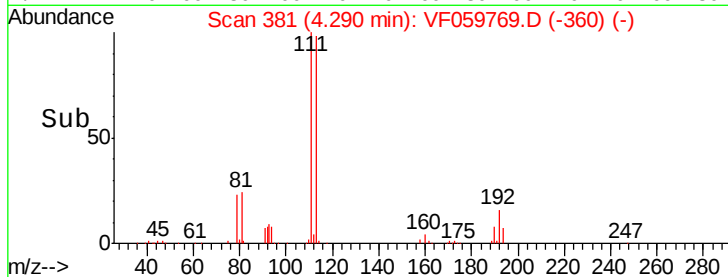
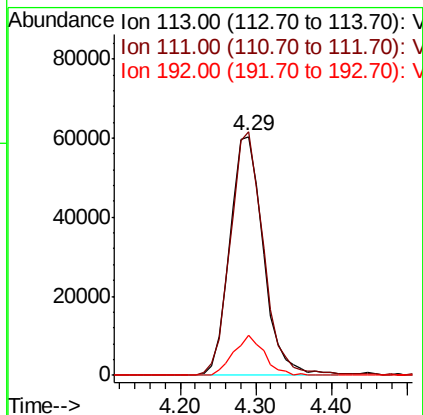
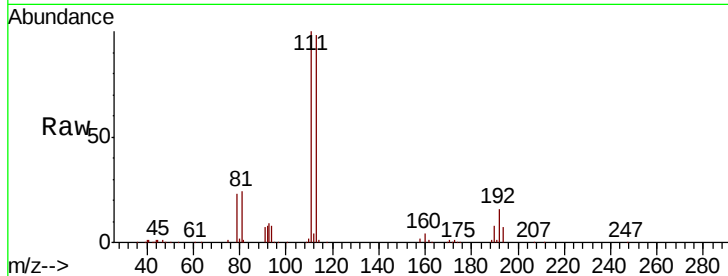
Delta R.T. 0.01 min

Lab File: VF059769.D

Acq: 1 Aug 2018 21:34

Instrument :
MSVOA_F
ClientSampleId :
FK-GF-01-010-A

Tgt Ion:	113	Resp:	184919
Ion	Ratio	Lower	Upper
113	100		
111	102.0	79.0	118.4
192	16.7	13.2	19.8



#36

1,1-Dichloropropene

Concen: Below Cal

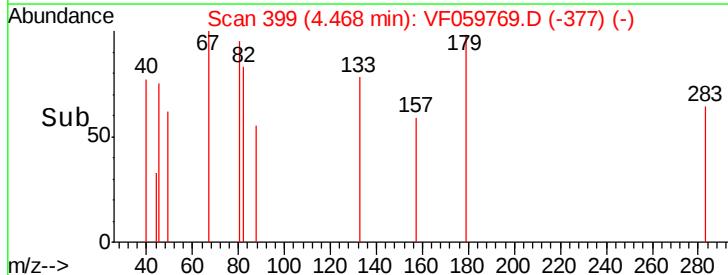
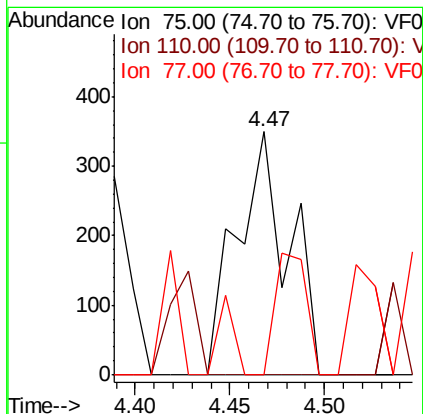
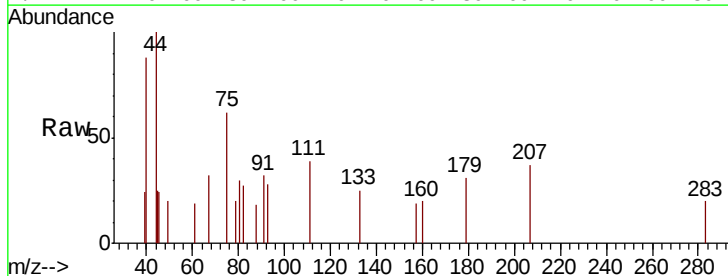
RT: 4.47 min Scan# 399

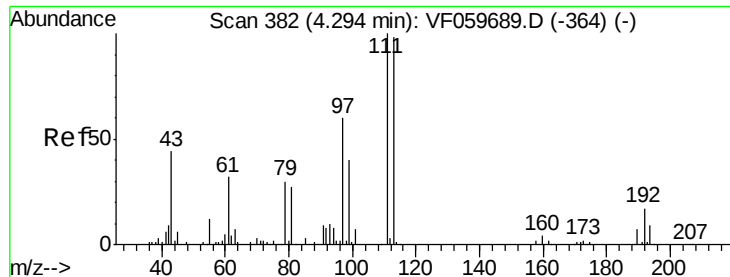
Delta R.T. 0.02 min

Lab File: VF059769.D

Acq: 1 Aug 2018 21:34

Tgt Ion:	75	Resp:	662
Ion	Ratio	Lower	Upper
75	100		
110	0.0	14.0	41.9#
77	0.0	24.2	36.2#

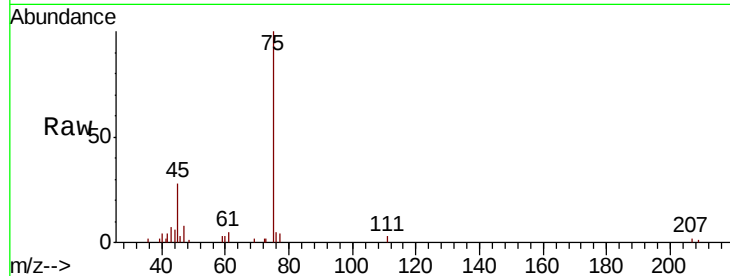




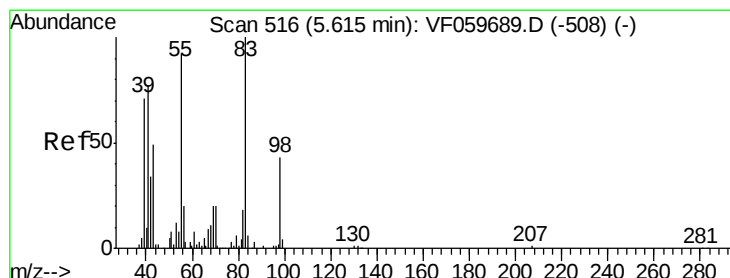
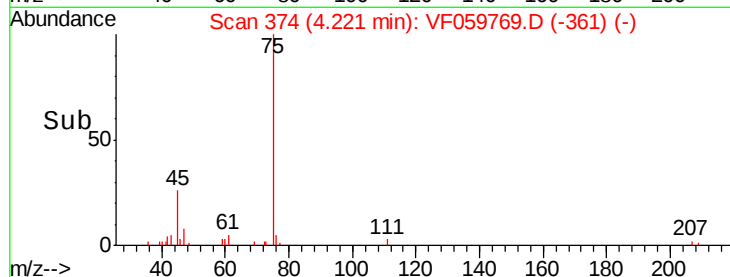
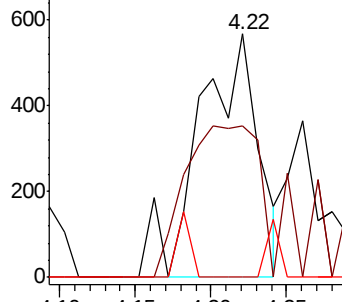
#37
Ethyl Acetate
Concen: Below Cal
RT: 4.22 min Scan# 374
Delta R.T. -0.07 min
Lab File: VF059769.D
Acq: 1 Aug 2018 21:34

Instrument :
MSVOA_F
ClientSampleId :
FK-GF-01-010-A

Tgt Ion: 43 Resp: 1556
Ion Ratio Lower Upper
43 100
61 62.1 58.2 87.2
70 0.0 6.0 9.0#

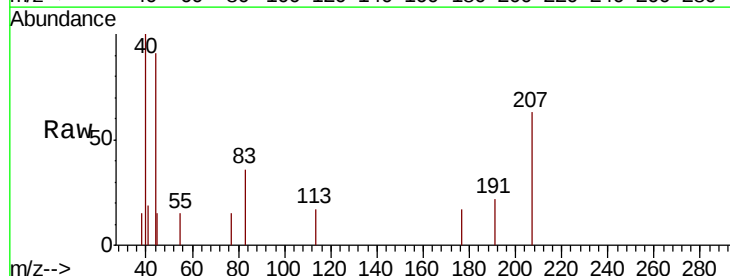


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

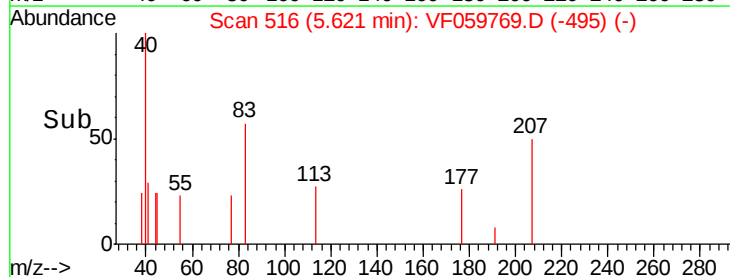
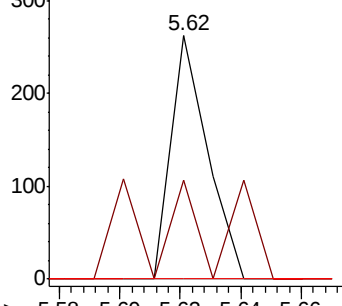


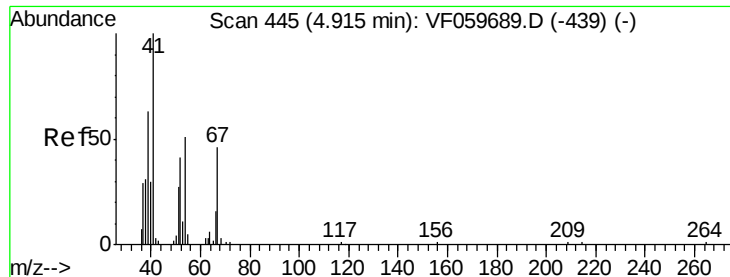
#39
Methylcyclohexane
Concen: Below Cal
RT: 5.62 min Scan# 516
Delta R.T. 0.01 min
Lab File: VF059769.D
Acq: 1 Aug 2018 21:34

Tgt Ion: 83 Resp: 220
Ion Ratio Lower Upper
83 100
55 40.5 73.4 110.2#
98 0.0 34.2 51.4#



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

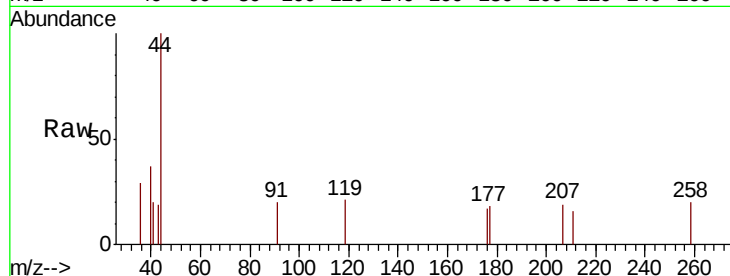




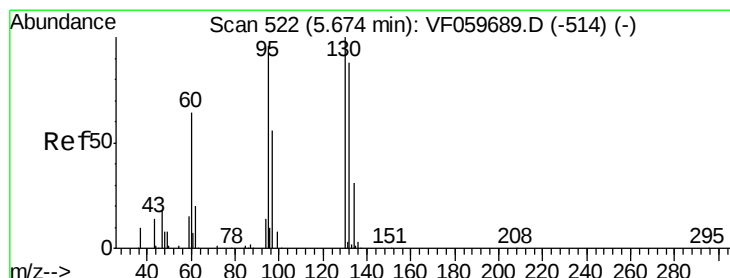
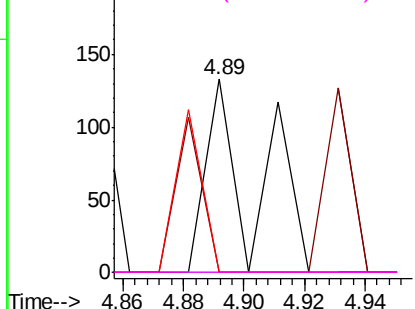
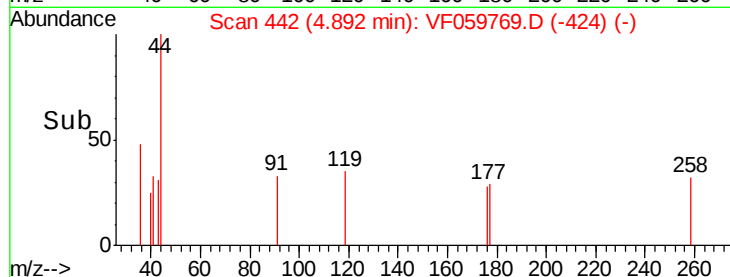
#41
Methacrylonitrile
Concen: Below Cal
RT: 4.89 min Scan# 442
Delta R.T. -0.02 min
Lab File: VF059769.D
Acq: 1 Aug 2018 21:34

Instrument :
MSVOA_F
ClientSampleId :
FK-GF-01-010-A

Tgt Ion:	41	Resp:	148
Ion	Ratio	Lower	Upper
41	100		
39	0.0	55.2	82.8#
67	0.0	36.2	54.2#
52	0.0	37.7	56.5#

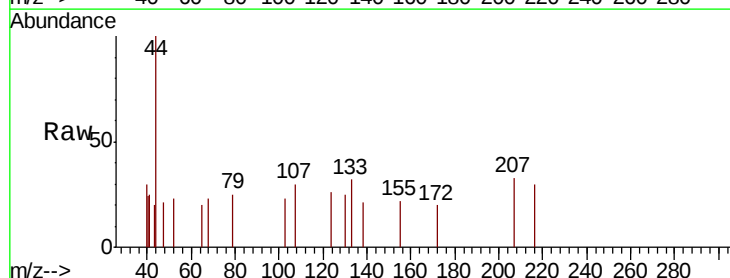


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

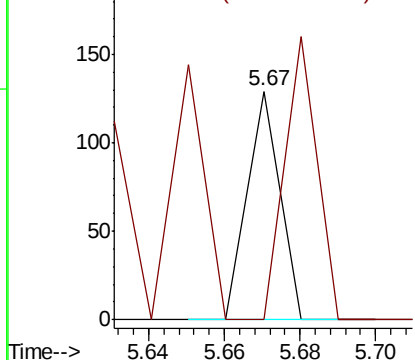
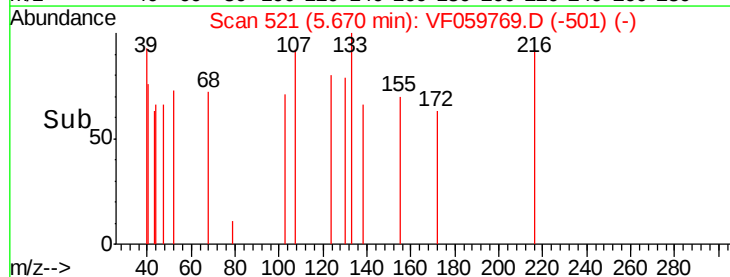


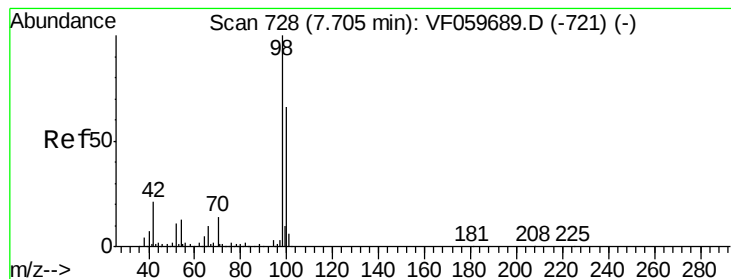
#44
Trichloroethene
Concen: Below Cal
RT: 5.67 min Scan# 521
Delta R.T. -0.00 min
Lab File: VF059769.D
Acq: 1 Aug 2018 21:34

Tgt Ion:	130	Resp:	76
Ion	Ratio	Lower	Upper
130	100		
95	0.0	0.0	191.0



Abundance Ion 129.90 (129.60 to 130.60): V
Ion 94.90 (94.60 to 95.60): VF0





#50

Toluene-d8

Concen: 40.513 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.00 min

Lab File: VF059769.D

Acq: 1 Aug 2018 21:34

Instrument :

MSVOA_F

ClientSampleId :

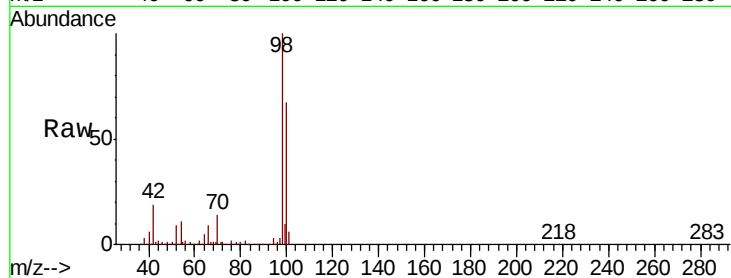
FK-GF-01-010-A

Tgt Ion: 98 Resp: 361670

Ion Ratio Lower Upper

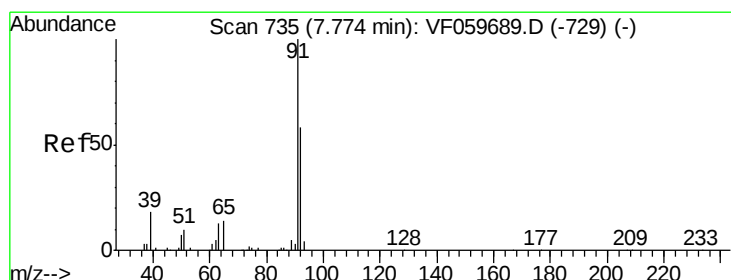
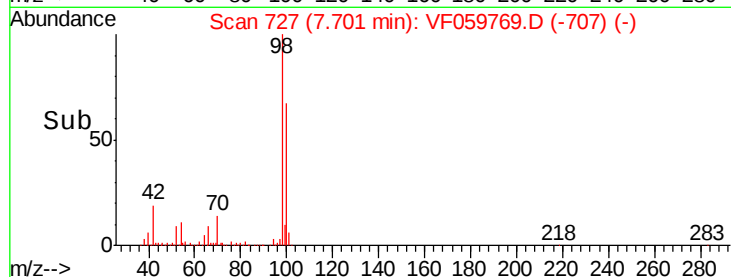
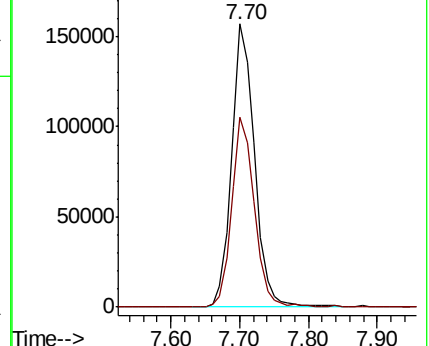
98 100

100 67.1 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#52

Toluene

Concen: Below Cal

RT: 7.77 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF059769.D

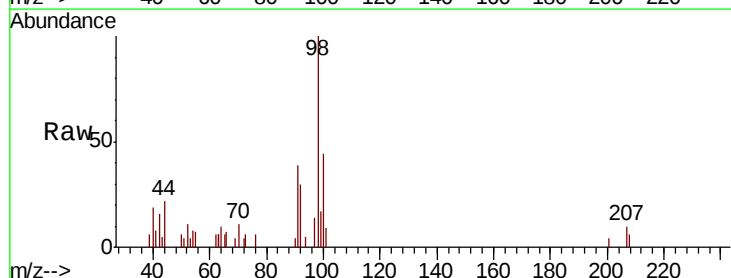
Acq: 1 Aug 2018 21:34

Tgt Ion: 92 Resp: 1277

Ion Ratio Lower Upper

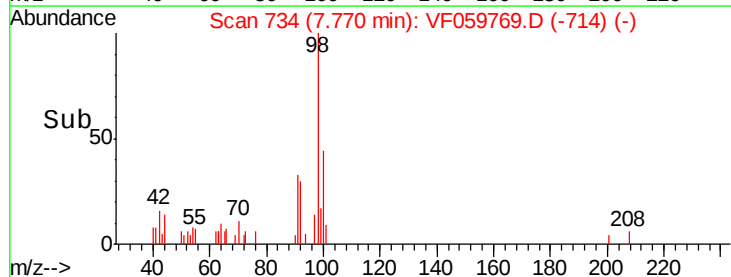
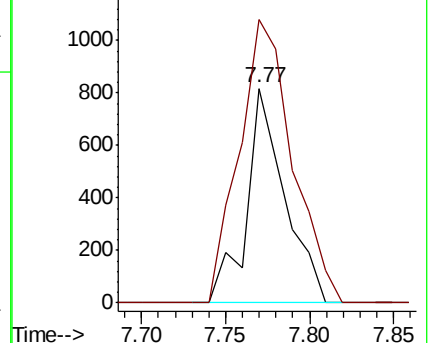
92 100

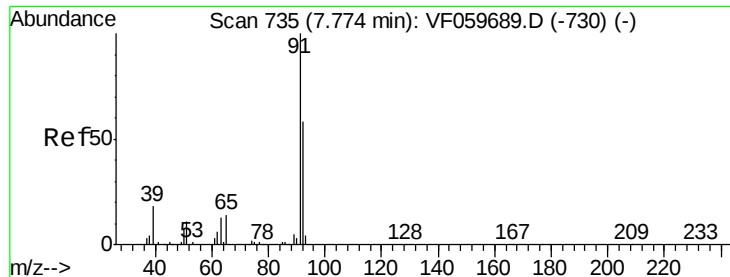
91 132.1 139.0 208.4#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

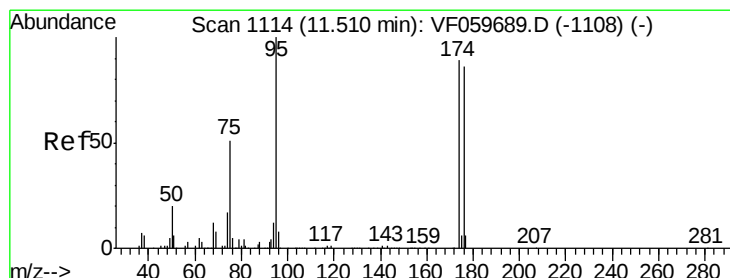
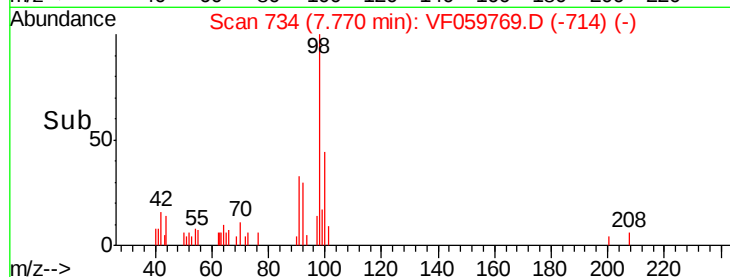
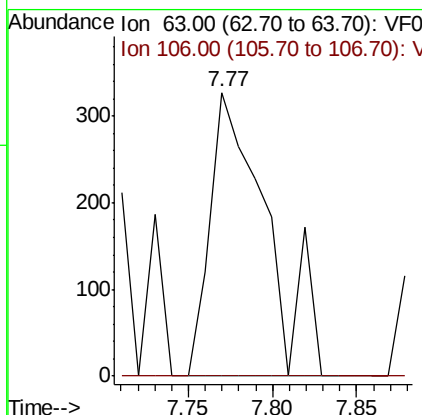
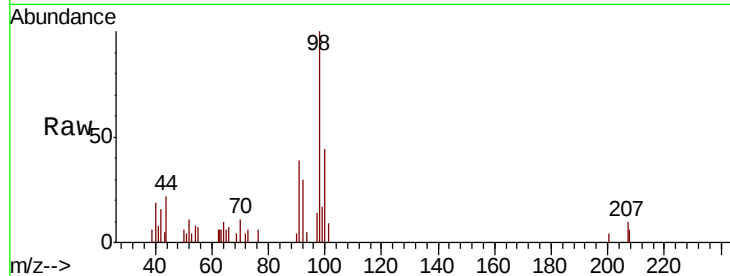




#58
 2-Chloroethyl Vinyl ether
 Concen: 3.156 ug/l
 RT: 7.77 min Scan# 734
 Delta R.T. -0.00 min
 Lab File: VF059769.D
 Acq: 1 Aug 2018 21:34

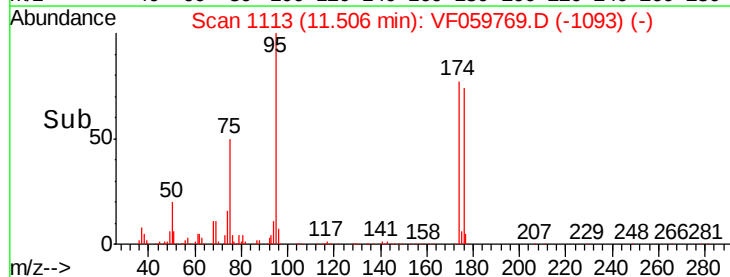
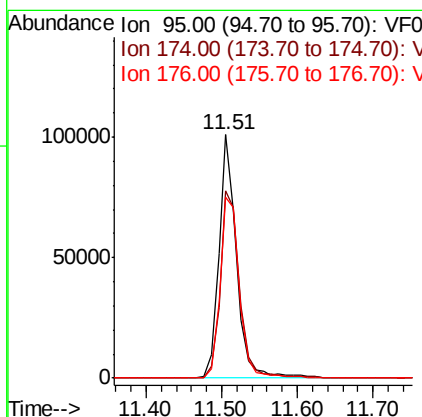
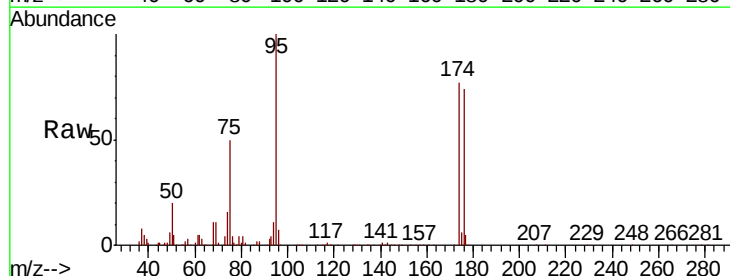
Instrument :
 MSVOA_F
 ClientSampleId :
 FK-GF-01-010-A

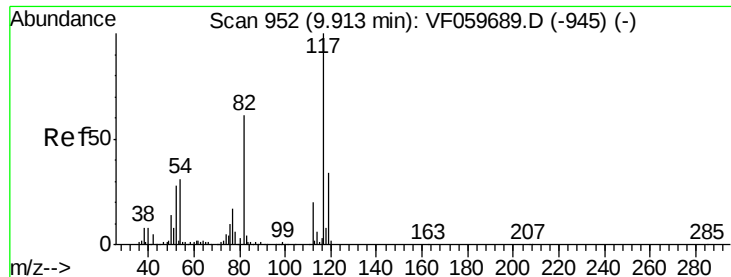
Tgt Ion: 63 Resp: 766
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#62
 4-Bromofluorobenzene
 Concen: 33.404 ug/l
 RT: 11.51 min Scan# 1113
 Delta R.T. -0.00 min
 Lab File: VF059769.D
 Acq: 1 Aug 2018 21:34

Tgt Ion: 95 Resp: 165089
 Ion Ratio Lower Upper
 95 100
 174 77.0 0.0 178.4
 176 74.1 0.0 173.0

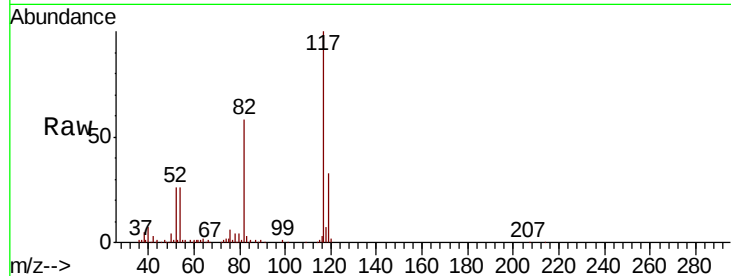




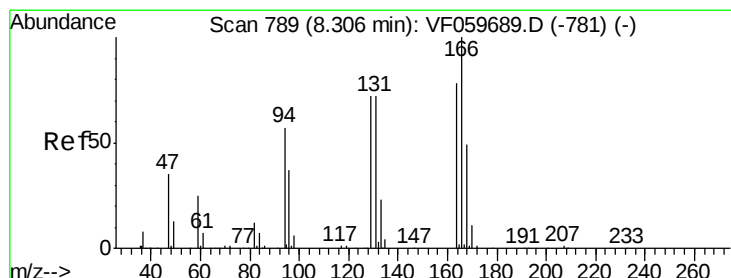
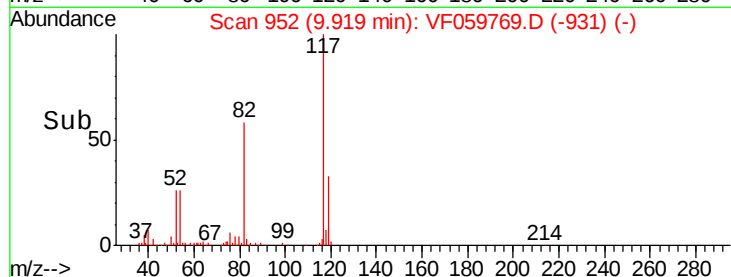
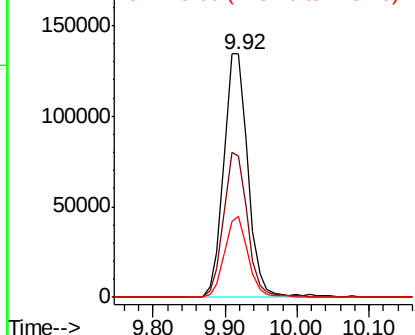
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.01 min
Lab File: VF059769.D
Acq: 1 Aug 2018 21:34

Instrument :
MSVOA_F
ClientSampleId :
FK-GF-01-010-A

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.1	49.0	73.4
119	33.3	27.3	40.9

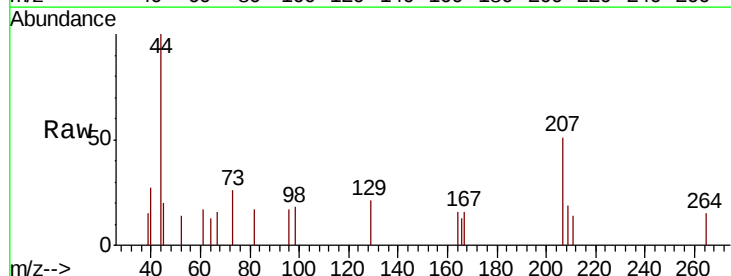


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

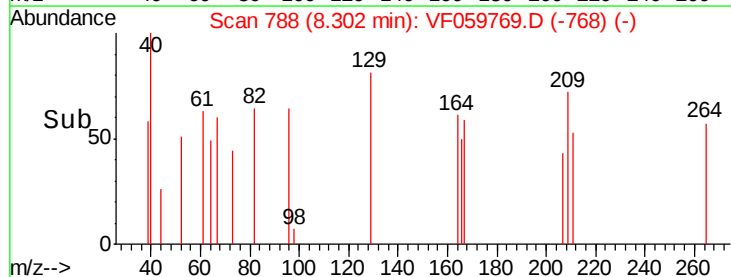
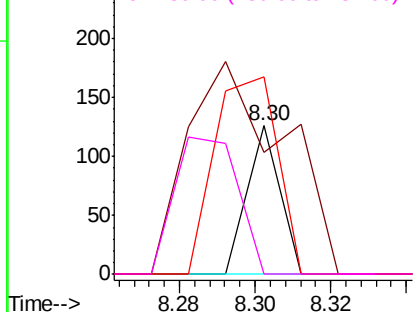


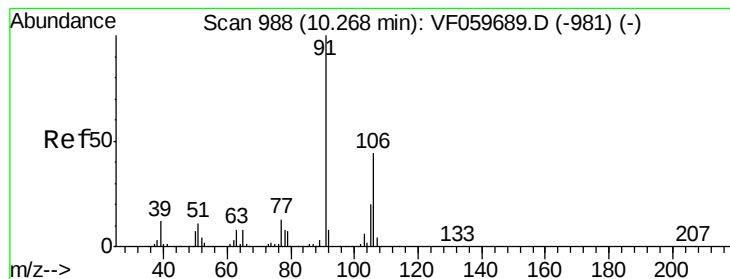
#64
Tetrachloroethene
Concen: Below Cal
RT: 8.30 min Scan# 788
Delta R.T. -0.00 min
Lab File: VF059769.D
Acq: 1 Aug 2018 21:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	81.7	102.1	153.1#
129	132.5	73.8	110.6#
131	0.0	73.1	109.7#



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V





#68

m/p-Xylenes

Concen: Below Cal

RT: 10.26 min Scan# 987

Delta R.T. -0.00 min

Lab File: VF059769.D

Acq: 1 Aug 2018 21:34

Instrument :

MSVOA_F

ClientSampleId :

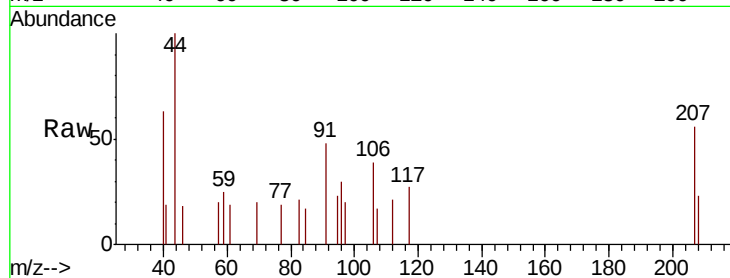
FK-GF-01-010-A

Tgt Ion:106 Resp: 321

Ion Ratio Lower Upper

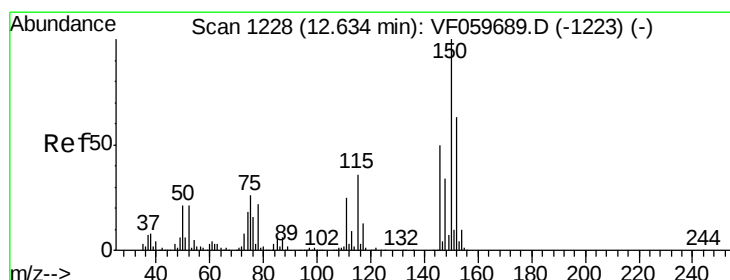
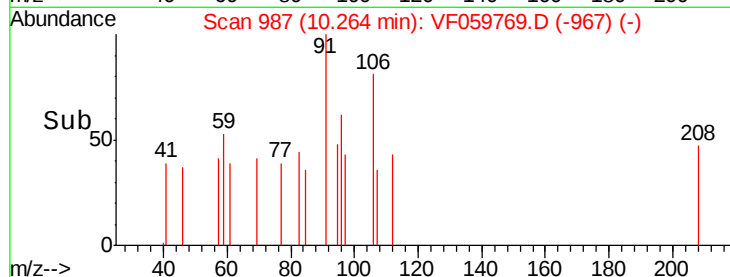
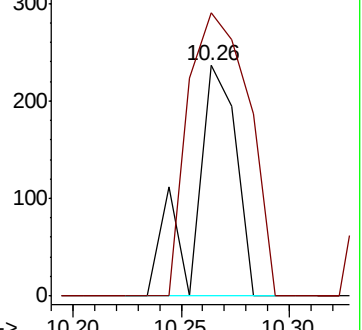
106 100

91 122.9 181.7 272.5#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VF059769.D

Acq: 1 Aug 2018 21:34

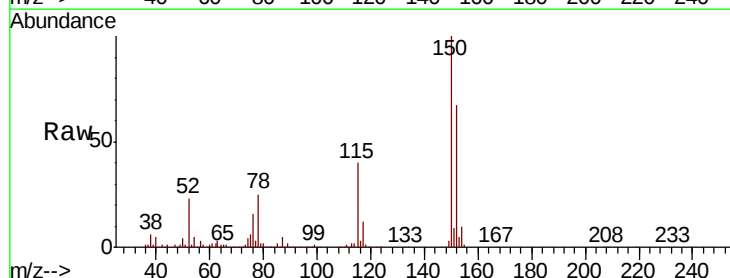
Tgt Ion:152 Resp: 162060

Ion Ratio Lower Upper

152 100

115 59.2 28.2 84.6

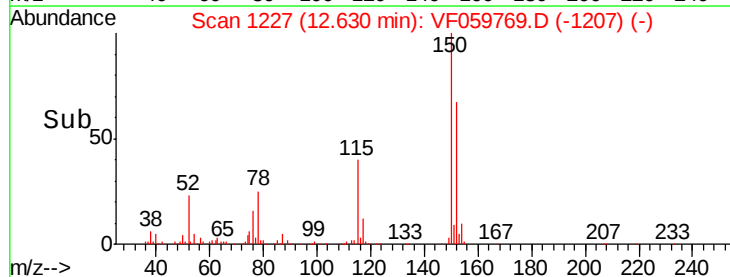
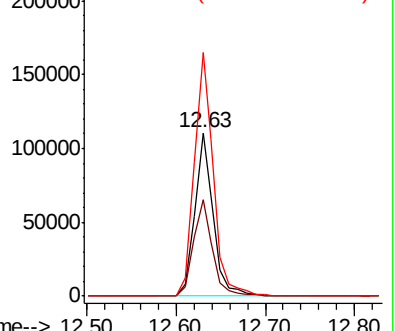
150 149.3 0.0 316.2

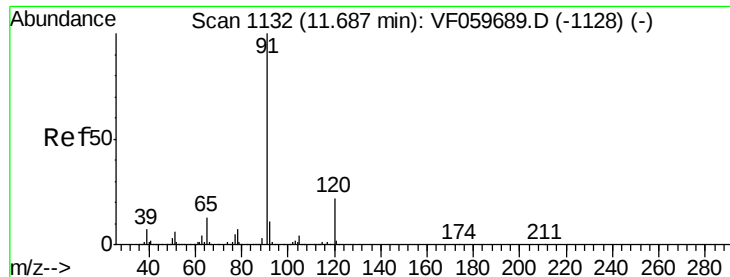


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#78

n-propylbenzene

Concen: Below Cal

RT: 11.69 min Scan# 1132

Delta R.T. 0.01 min

Lab File: VF059769.D

Acq: 1 Aug 2018 21:34

Instrument :

MSVOA_F

ClientSampleId :

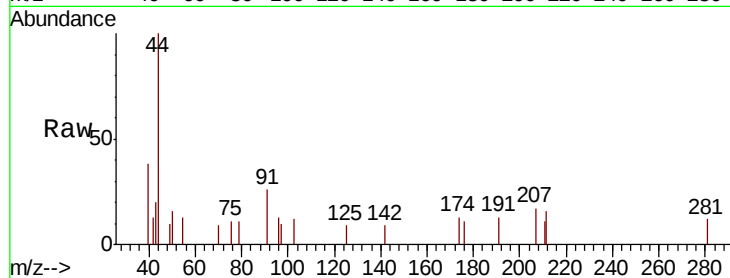
FK-GF-01-010-A

Tgt Ion: 91 Resp: 413

Ion Ratio Lower Upper

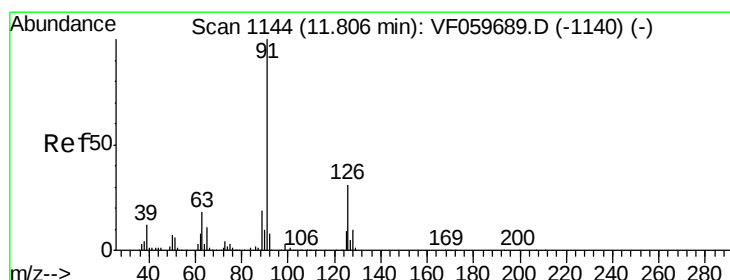
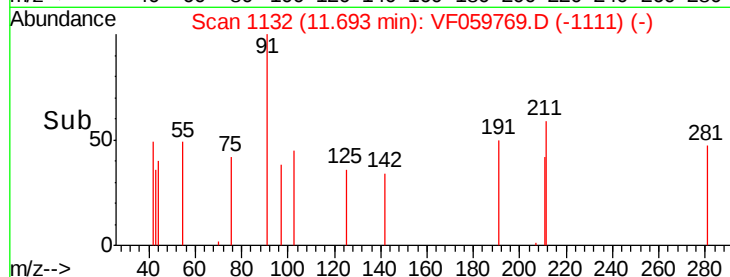
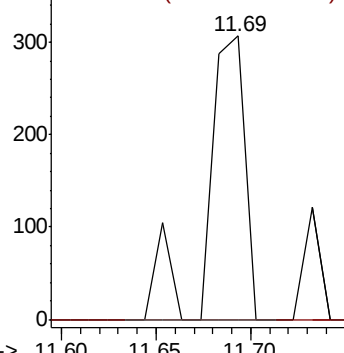
91 100

120 0.0 11.0 33.0#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.80 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VF059769.D

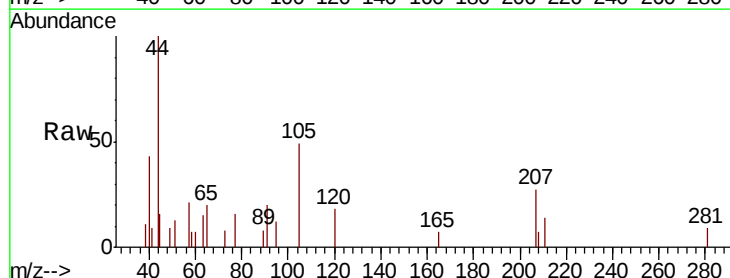
Acq: 1 Aug 2018 21:34

Tgt Ion: 91 Resp: 418

Ion Ratio Lower Upper

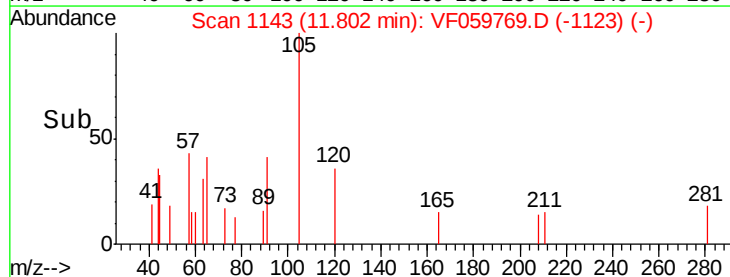
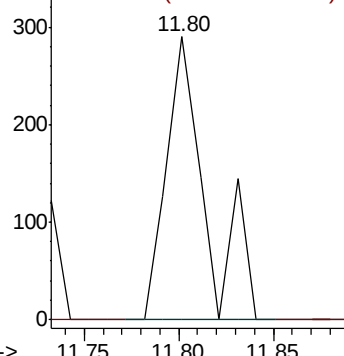
91 100

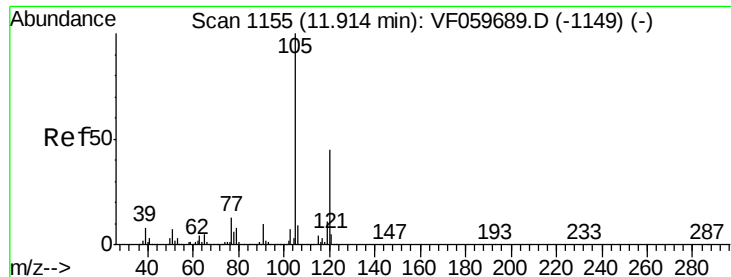
126 0.0 15.4 46.2#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 11.91 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VF059769.D

Acq: 1 Aug 2018 21:34

Instrument :

MSVOA_F

ClientSampleId :

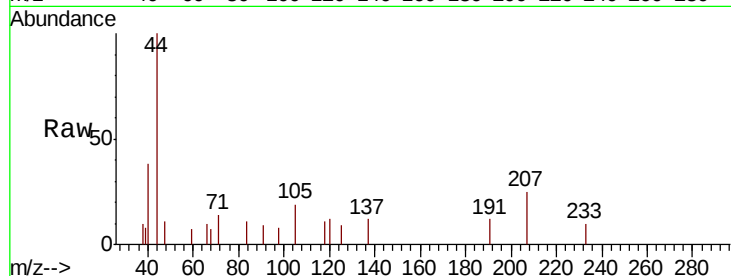
FK-GF-01-010-A

Tgt Ion: 105 Resp: 342

Ion Ratio Lower Upper

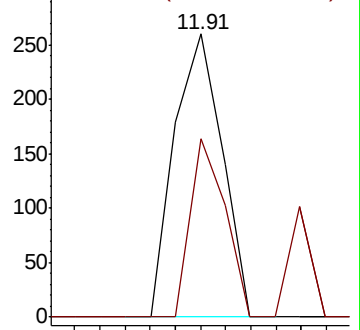
105 100

120 63.1 22.7 68.0

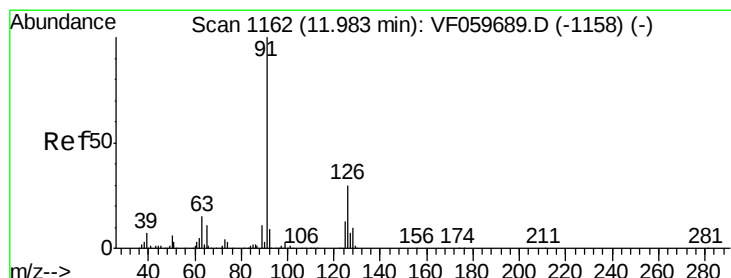
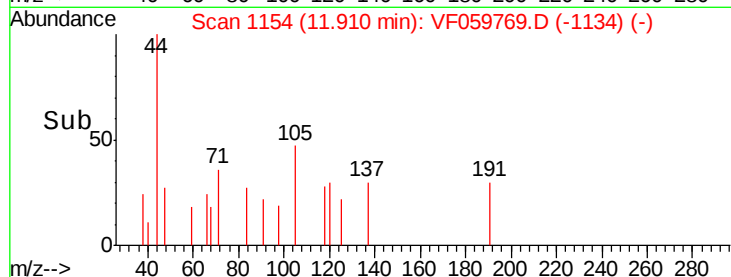


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#82

4-Chlorotoluene

Concen: Below Cal

RT: 11.99 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VF059769.D

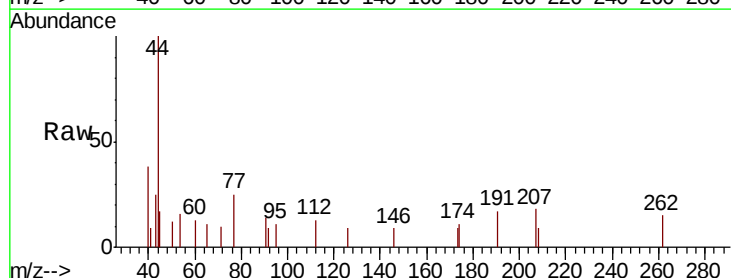
Acq: 1 Aug 2018 21:34

Tgt Ion: 91 Resp: 295

Ion Ratio Lower Upper

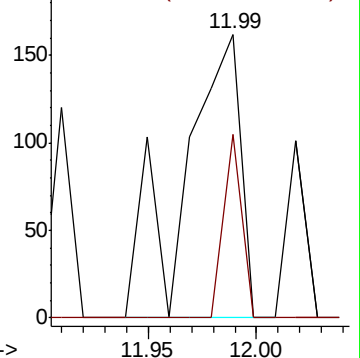
91 100

126 64.8 15.2 45.6#

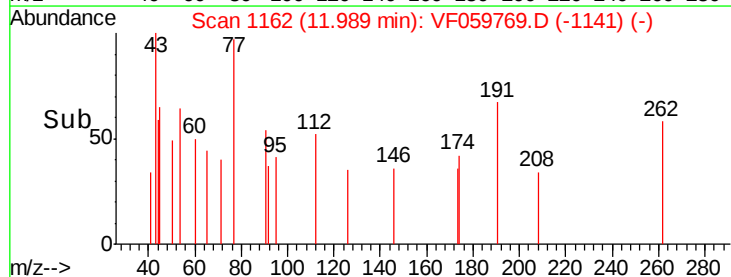


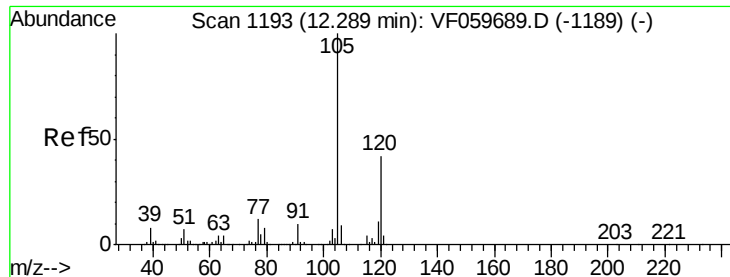
Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



Time-->

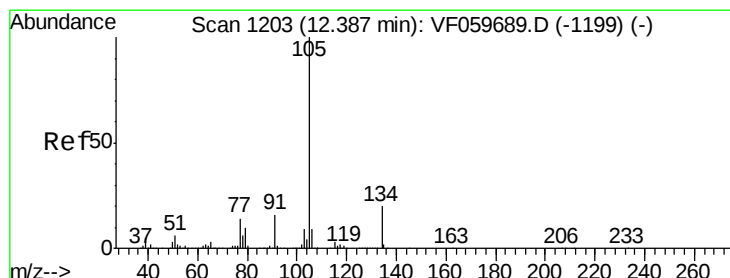
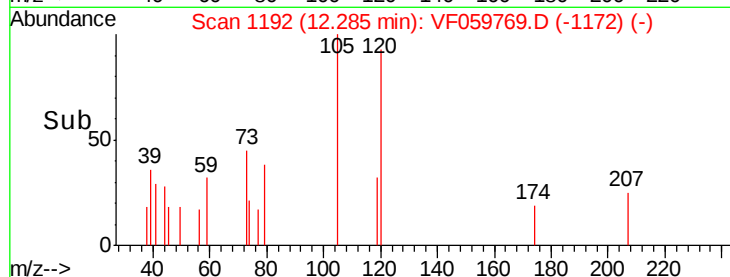
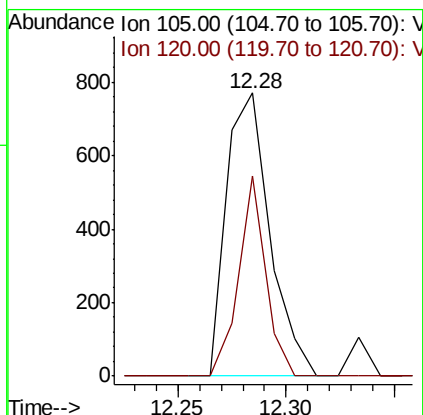
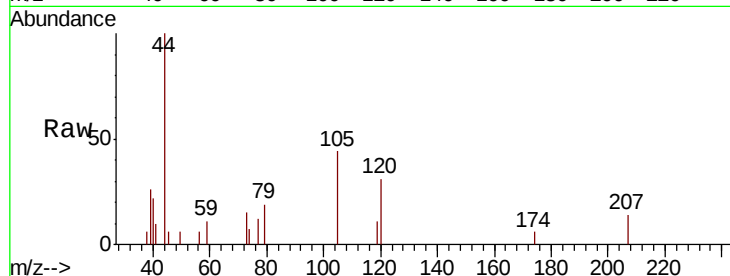




#84
1,2,4-Trimethylbenzene
Concen: Below Cal
RT: 12.28 min Scan# 1192
Delta R.T. -0.00 min
Lab File: VF059769.D
Acq: 1 Aug 2018 21:34

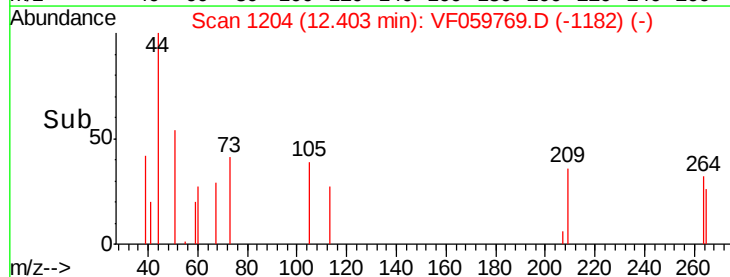
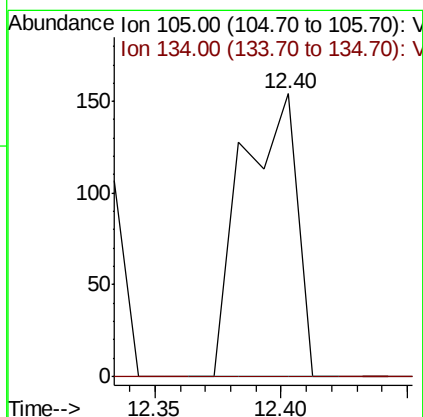
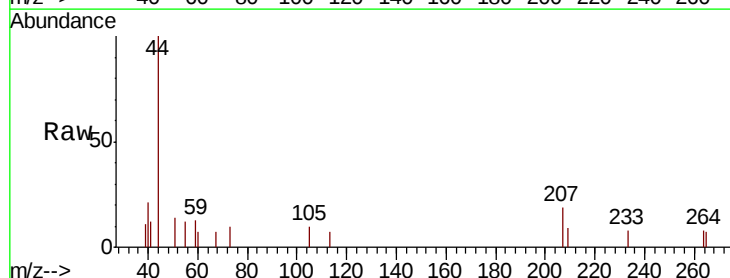
Instrument :
MSVOA_F
ClientSampleId :
FK-GF-01-010-A

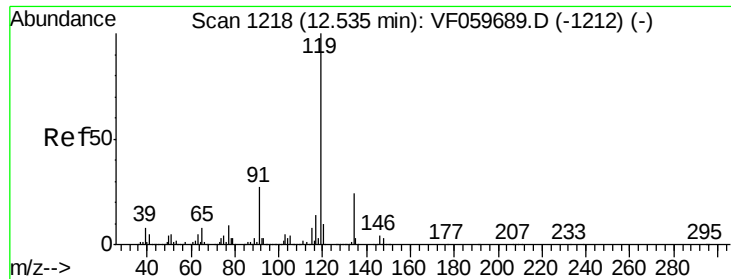
Tgt Ion:105 Resp: 1082
Ion Ratio Lower Upper
105 100
120 70.6 21.1 63.3#



#85
sec-Butylbenzene
Concen: Below Cal
RT: 12.40 min Scan# 1204
Delta R.T. 0.02 min
Lab File: VF059769.D
Acq: 1 Aug 2018 21:34

Tgt Ion:105 Resp: 234
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.3#

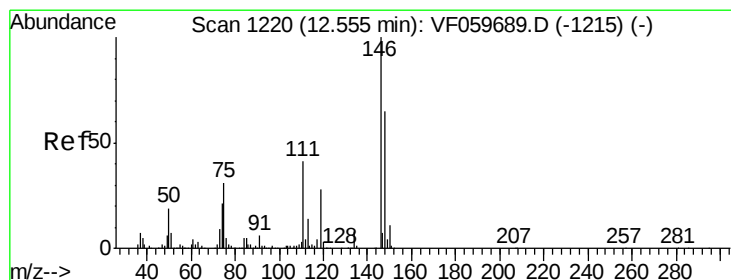
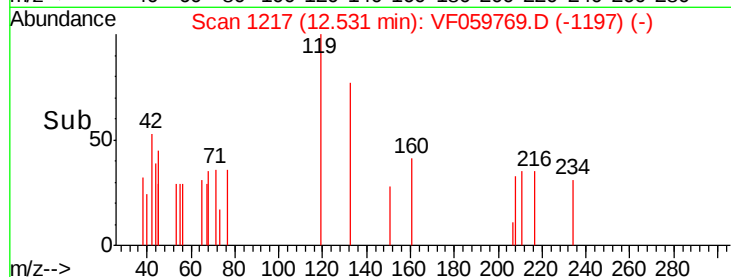
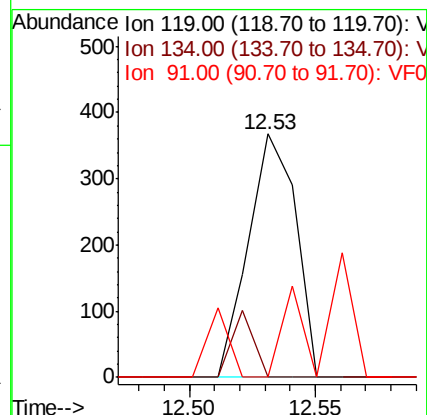
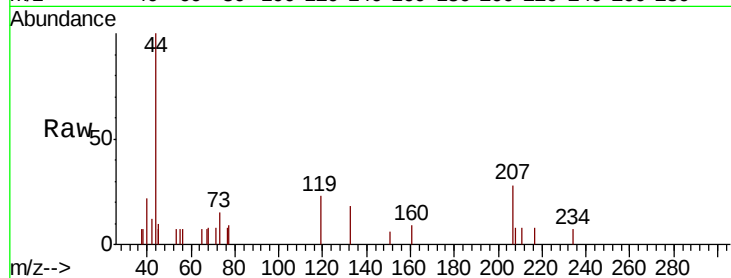




#86
p-Isopropyltoluene
Concen: Below Cal
RT: 12.53 min Scan# 1217
Delta R.T. -0.00 min
Lab File: VF059769.D
Acq: 1 Aug 2018 21:34

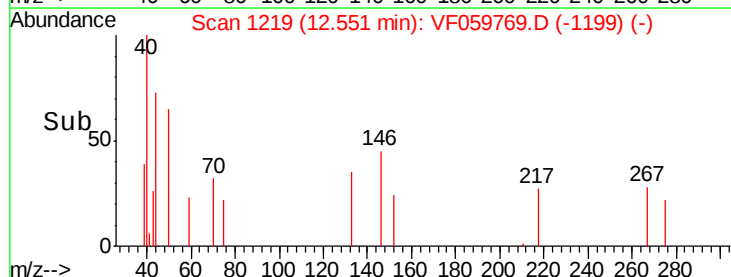
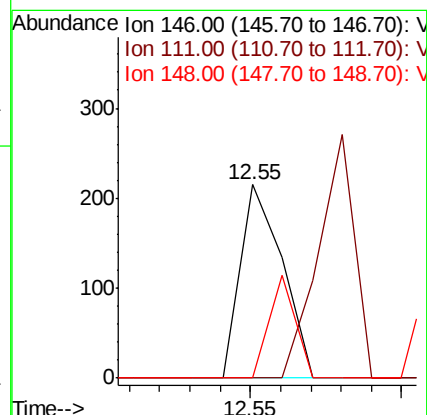
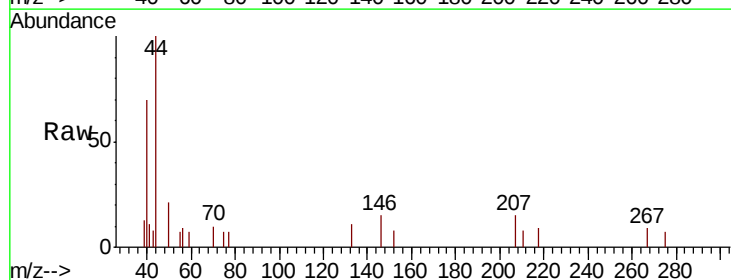
Instrument :
MSVOA_F
ClientSampleId :
FK-GF-01-010-A

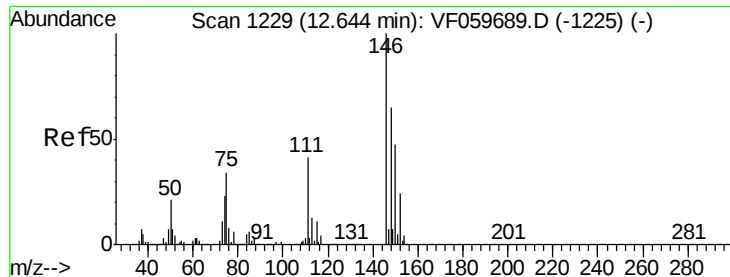
Tgt Ion	Ratio	Lower	Upper
119	100		
134	0.0	12.2	36.6#
91	0.0	13.4	40.2#



#87
1,3-Dichlorobenzene
Concen: Below Cal
RT: 12.55 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VF059769.D
Acq: 1 Aug 2018 21:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.7	62.1#
148	0.0	32.3	96.8#





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 12.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VF059769.D

Acq: 1 Aug 2018 21:34

Instrument :

MSVOA_F

ClientSampleId :

FK-GF-01-010-A

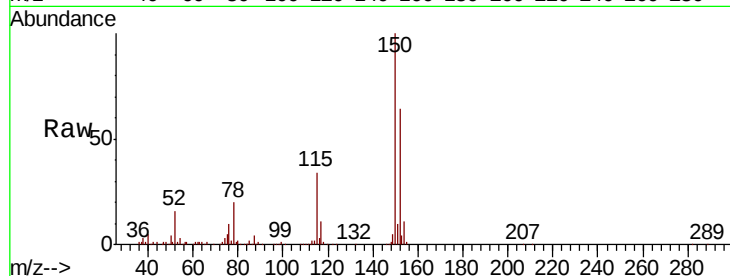
Tgt Ion:146 Resp: 260

Ion Ratio Lower Upper

146 100

111 253.3 20.8 62.2#

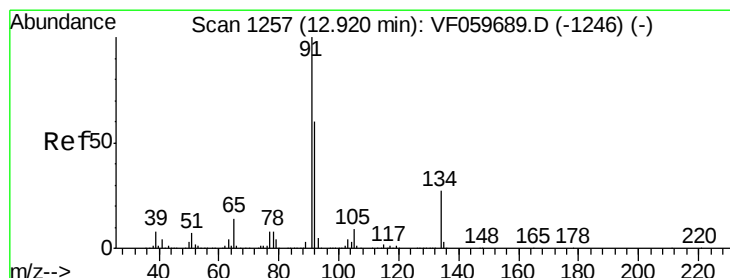
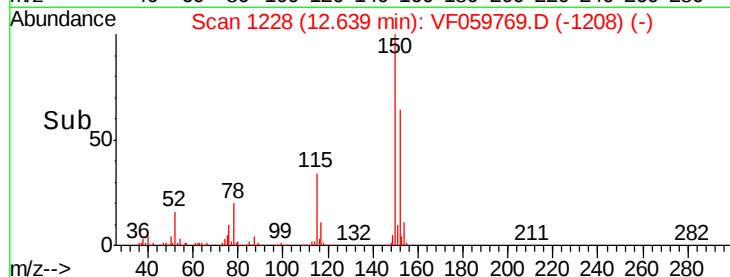
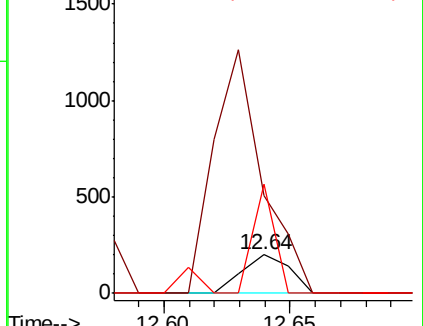
148 284.9 32.3 96.9#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#89

n-Butylbenzene

Concen: Below Cal

RT: 12.92 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VF059769.D

Acq: 1 Aug 2018 21:34

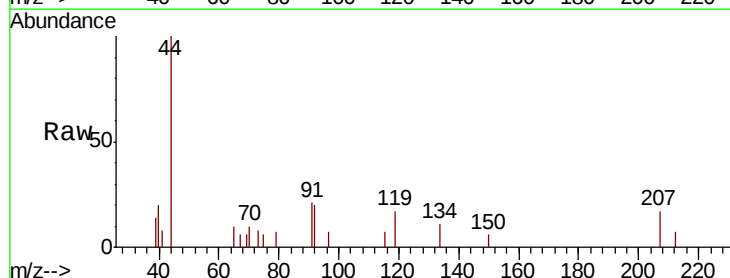
Tgt Ion: 91 Resp: 777

Ion Ratio Lower Upper

91 100

92 92.3 30.1 90.3#

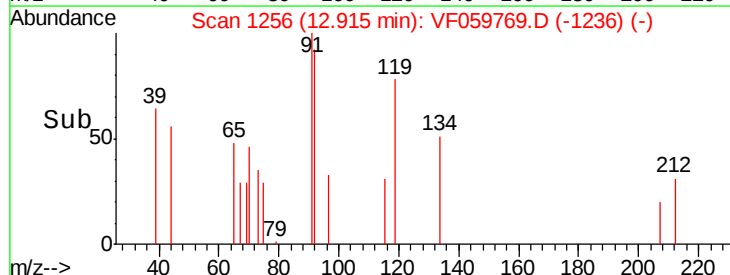
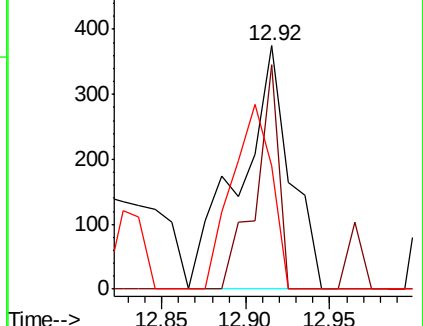
134 50.9 13.7 41.0#

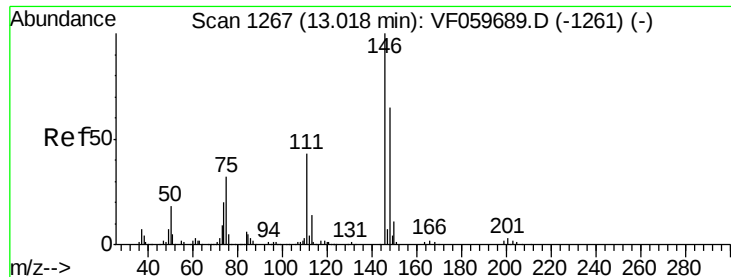


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V





#91

1,2-Dichlorobenzene

Concen: Below Cal

RT: 13.02 min Scan# 1267

Delta R.T. 0.01 min

Lab File: VF059769.D

Acq: 1 Aug 2018 21:34

Instrument :

MSVOA_F

ClientSampleId :

FK-GF-01-010-A

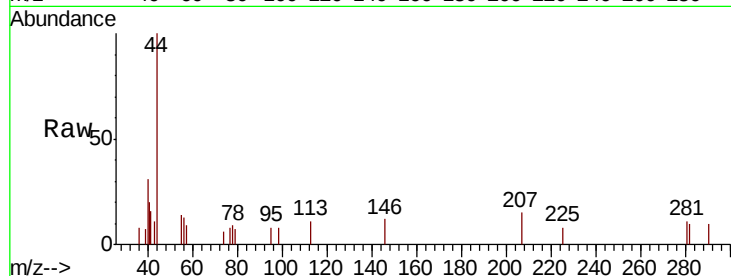
Tgt Ion:146 Resp: 185

Ion Ratio Lower Upper

146 100

111 0.0 21.6 65.0#

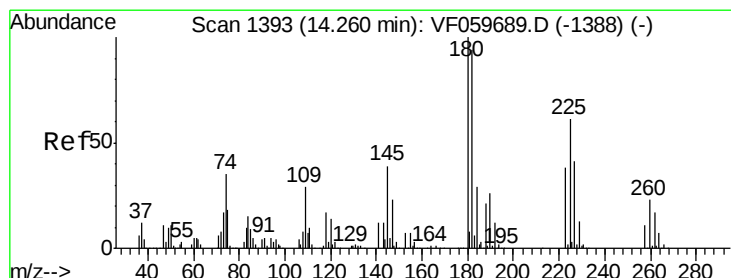
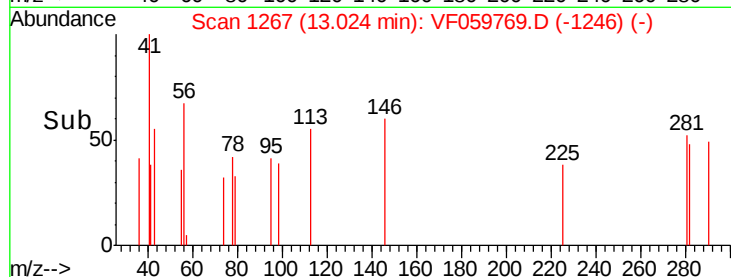
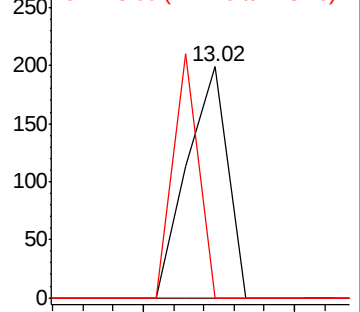
148 0.0 32.3 96.9#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#93

1,2,4-Trichlorobenzene

Concen: Below Cal

RT: 14.26 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VF059769.D

Acq: 1 Aug 2018 21:34

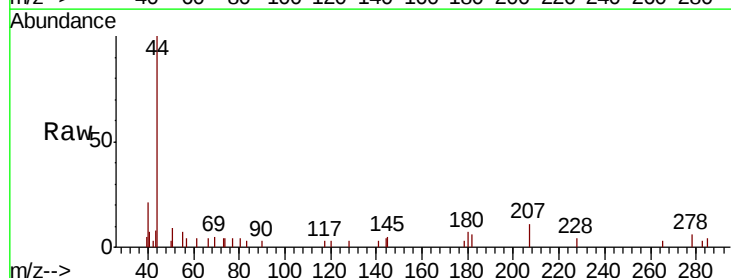
Tgt Ion:180 Resp: 292

Ion Ratio Lower Upper

180 100

182 80.1 47.2 141.6

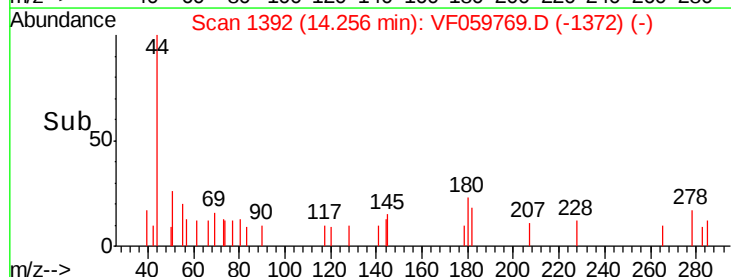
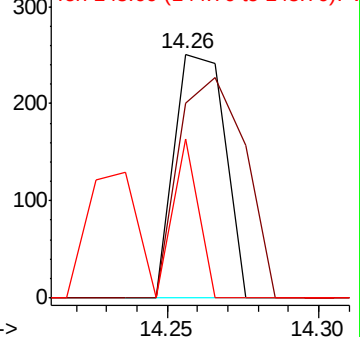
145 65.3 19.3 57.9#

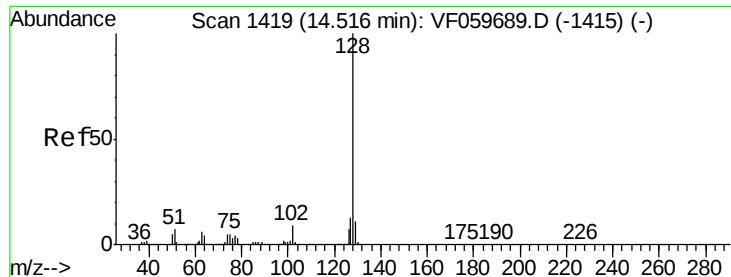


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

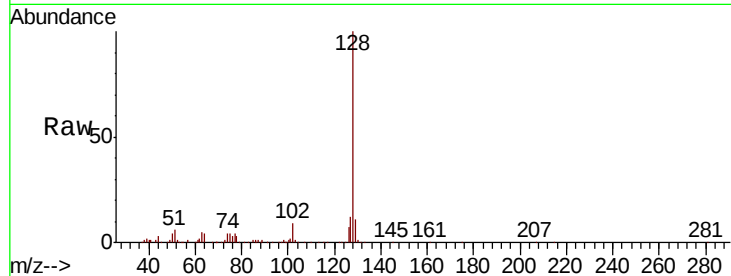




#95
Naphthalene
Concen: 16.591 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.01 min
Lab File: VF059769.D
Acq: 1 Aug 2018 21:34

Instrument :
MSVOA_F
ClientSampleId :
FK-GF-01-010-A

Tgt Ion:128 Resp: 115923
Ion Ratio Lower Upper
128 100
127 12.2 10.0 15.0
129 11.3 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

