

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF080118\
 Data File : VF059770.D
 Acq On : 1 Aug 2018 22:02
 Operator : VA/AP
 Sample : J4237-04
 Misc : 8.09g/5mL/MSVOA_F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 FK-GF-02-023-BRE

Quant Time: Aug 02 05:32:48 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	112792	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	146414	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	111962	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	54453	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	56084	27.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	55.34%	
35) Dibromofluoromethane	4.29	113	56967	37.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.92%	
50) Toluene-d8	7.70	98	147280	41.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.06%	
62) 4-Bromofluorobenzene	11.51	95	54219	27.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	55.24%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.83	85	74	Below Cal	#	44
3) Chloromethane	1.10	50	644	Below Cal	#	38
4) Vinyl Chloride	1.13	62	124	Below Cal	#	47
5) Bromomethane	1.35	94	374	Below Cal	#	4
6) Chloroethane	1.45	64	64	Below Cal	#	1
10) Methyl Iodide	1.98	142	72	Below Cal	#	20
13) Acrolein	2.09	56	179	19.977	ug/l #	80
14) Allyl chloride	2.09	41	1918	1.375	ug/l #	50
15) Acrylonitrile	3.06	53	302	2.368	ug/l #	35
16) Acetone	2.34	43	1897	5.203	ug/l	97
17) Carbon Disulfide	1.89	76	151	Below Cal	#	1
18) Methyl Acetate	2.47	43	777	Below Cal	#	41
20) Methylene Chloride	2.28	84	2779	Below Cal	#	73
21) trans-1,2-Dichloroethene	2.40	96	64	Below Cal	#	33
28) Bromochloromethane	3.87	49	77	Below Cal	#	15
29) Tetrahydrofuran	4.27	42	196	1.253	ug/l #	61
31) Cyclohexane	3.97	56	70	Below Cal	#	15
36) 1,1-Dichloropropene	4.40	75	63	Below Cal	#	46
37) Ethyl Acetate	4.27	43	290	Below Cal	#	19
39) Methylcyclohexane	5.56	83	68	Below Cal	#	13
41) Methacrylonitrile	4.91	41	148	Below Cal	#	24
49) 1,4-Dioxane	6.89	88	63	Below Cal	#	21
52) Toluene	7.78	92	1461	Below Cal	#	69
58) 2-Chloroethyl Vinyl ether	7.76	63	645	6.689	ug/l	100
64) Trachloroethene	8.31	164	63	Below Cal	#	1
68) m/p-Xylenes	10.26	106	69	Below Cal	#	1
78) n-propylbenzene	11.69	91	164	Below Cal	#	4
79) 2-Chlorotoluene	11.80	91	357	Below Cal	#	44
80) 1,3,5-Trimethylbenzene	11.91	105	60	Below Cal	#	31
82) 4-Chlorotoluene	11.98	91	254	Below Cal	#	44
84) 1,2,4-Trimethylbenzene	12.29	105	426	Below Cal		96
85) sec-Butylbenzene	12.38	105	87	Below Cal	#	57
86) p-Isopropyltoluene	12.53	119	399	Below Cal	#	59
87) 1,3-Dichlorobenzene	12.64	146	122	Below Cal	#	1

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

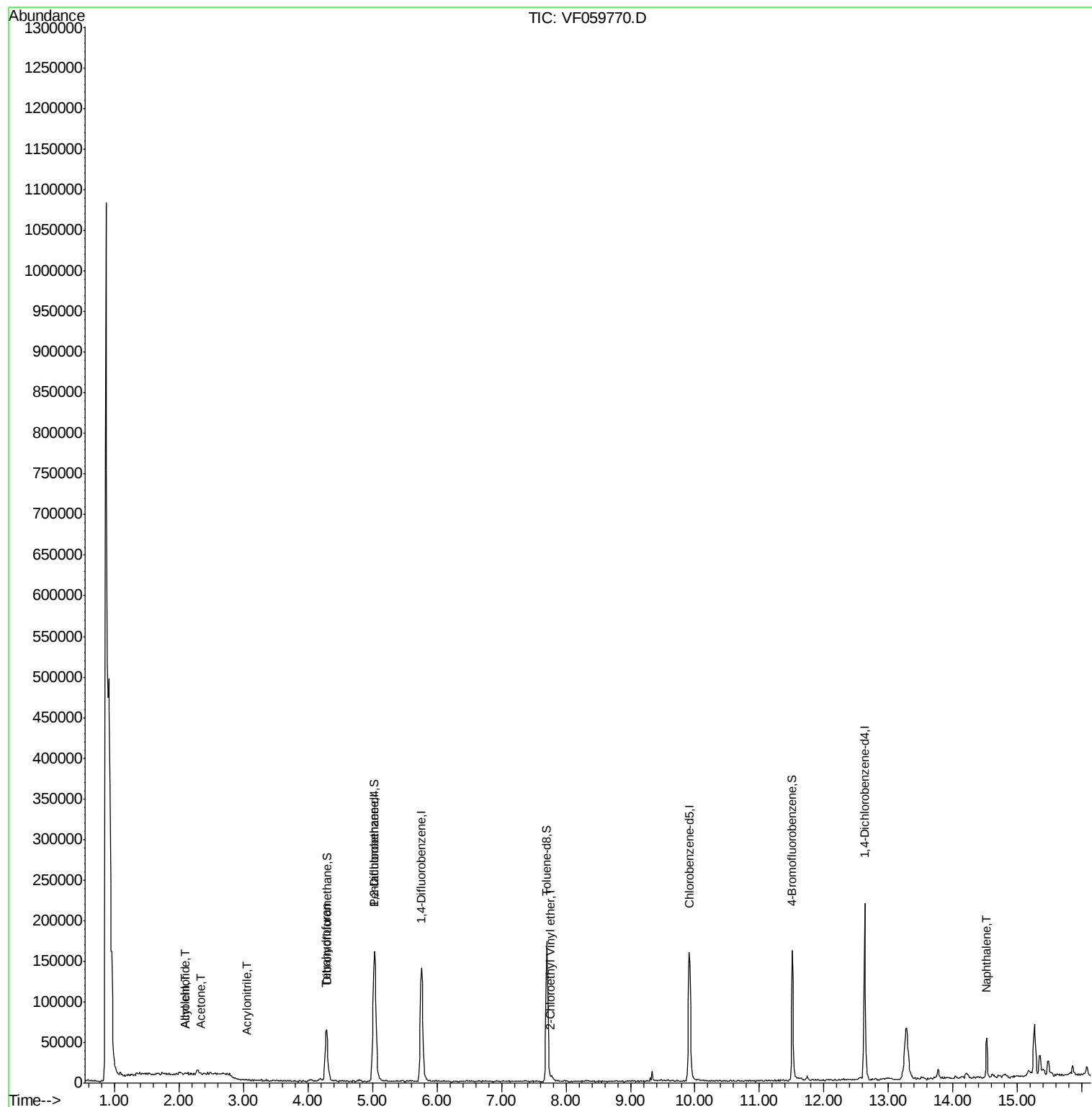
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) 1,4-Dichlorobenzene	12.64	146	122	Below Cal	#	1
89) n-Butylbenzene	12.91	91	415	Below Cal	#	29
91) 1,2-Dichlorobenzene	13.02	146	151	Below Cal	#	24
93) 1,2,4-Trichlorobenzene	14.26	180	94	Below Cal	#	12
95) Naphthalene	14.52	128	35176	14.983 ug/l		98

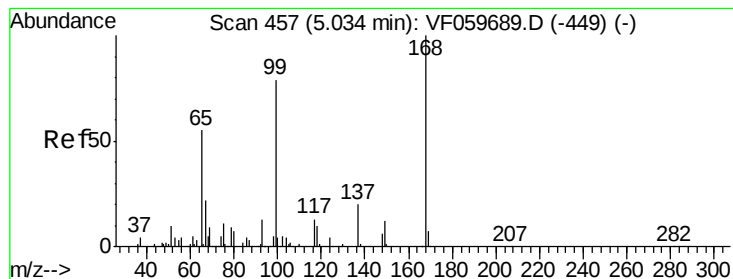
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF080118\
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Quant Title : SW846 8260
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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: VF059770.D

Acq: 1 Aug 2018 22:02

Instrument :

MSVOA_F

ClientSampleId :

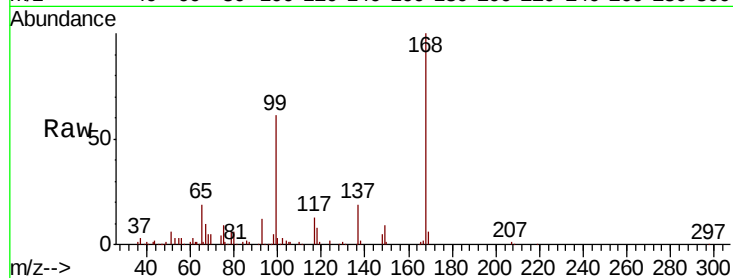
FK-GF-02-023-BRE

Tgt Ion:168 Resp: 112792

Ion Ratio Lower Upper

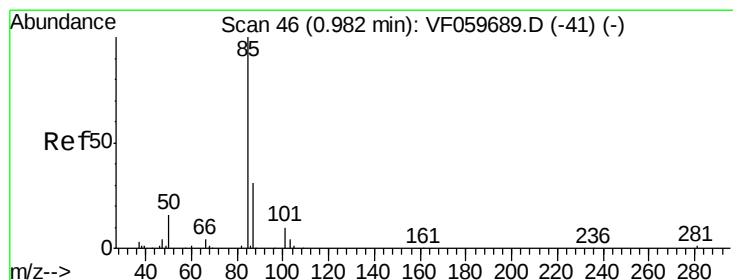
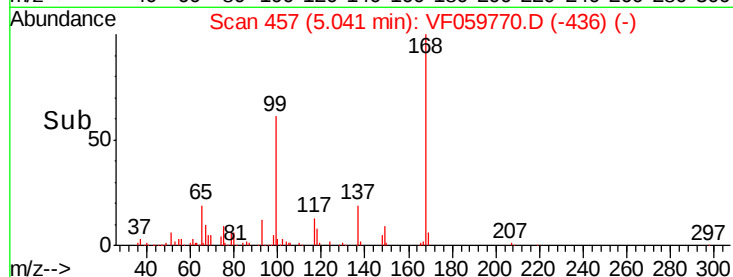
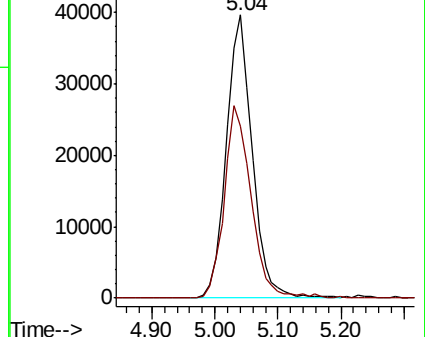
168 100

99 60.8 63.3 94.9#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.83 min Scan# 30

Delta R.T. -0.15 min

Lab File: VF059770.D

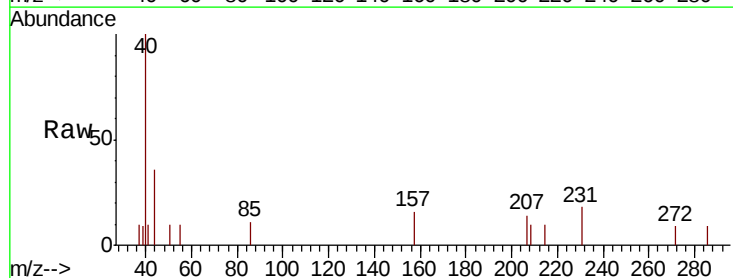
Acq: 1 Aug 2018 22:02

Tgt Ion: 85 Resp: 74

Ion Ratio Lower Upper

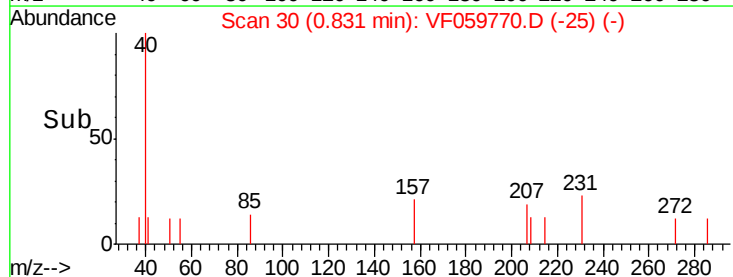
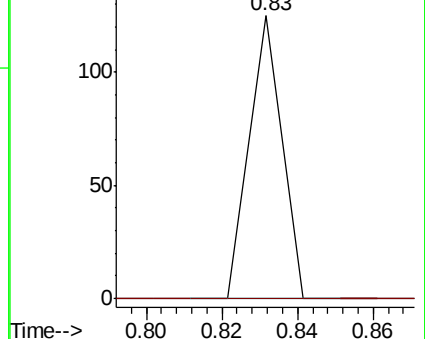
85 100

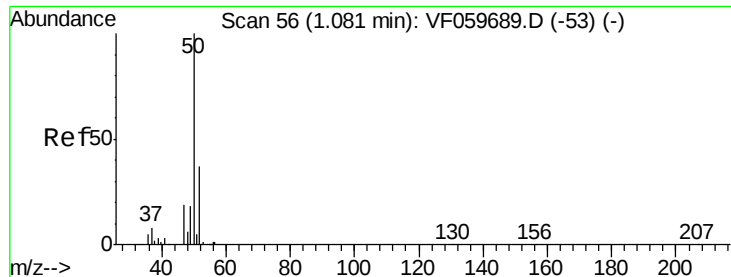
87 0.0 15.3 45.8#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: Below Cal

RT: 1.10 min Scan# 57

Delta R.T. 0.02 min

Lab File: VF059770.D

Acq: 1 Aug 2018 22:02

Instrument :

MSVOA_F

ClientSampleId :

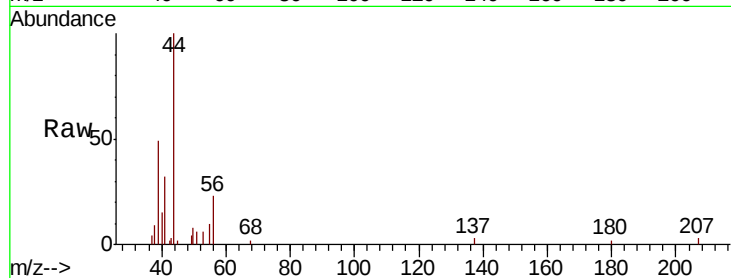
FK-GF-02-023-BRE

Tgt Ion: 50 Resp: 644

Ion Ratio Lower Upper

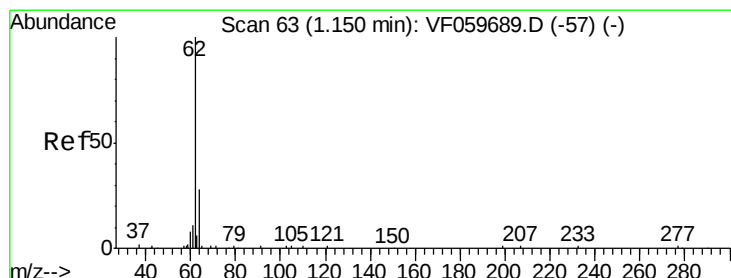
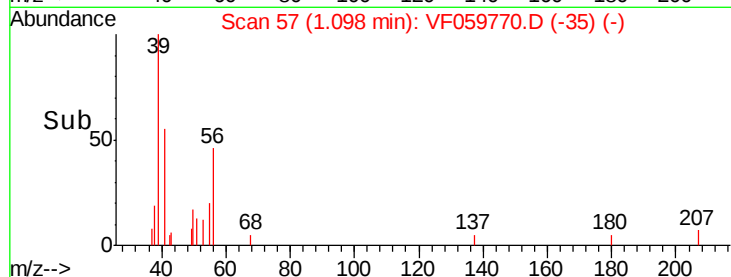
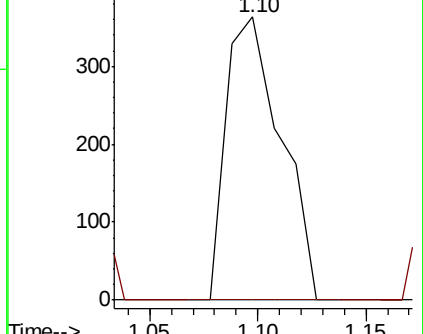
50 100

52 0.0 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: 1.13 min Scan# 60

Delta R.T. -0.02 min

Lab File: VF059770.D

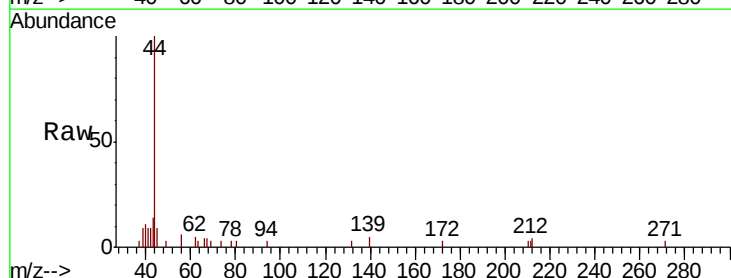
Acq: 1 Aug 2018 22:02

Tgt Ion: 62 Resp: 124

Ion Ratio Lower Upper

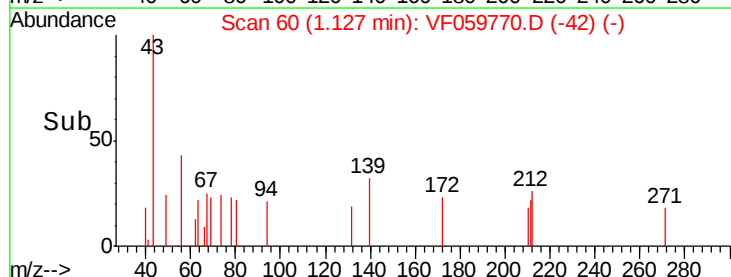
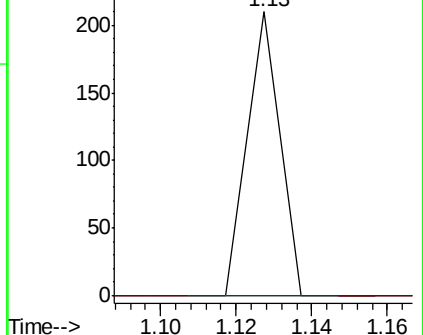
62 100

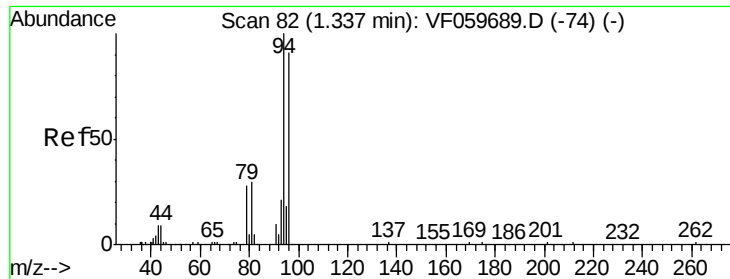
64 0.0 22.6 33.8#



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: VF059770.D

Acq: 1 Aug 2018 22:02

Instrument :

MSVOA_F

ClientSampleId :

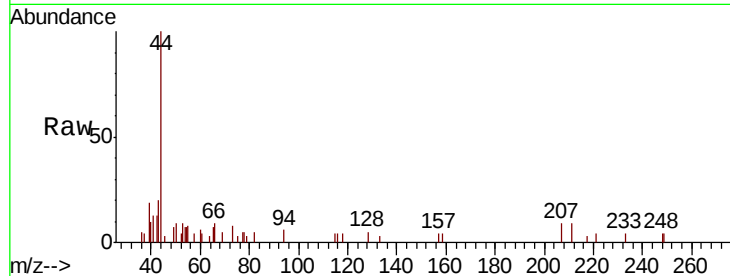
FK-GF-02-023-BRE

Tgt Ion: 94 Resp: 374

Ion Ratio Lower Upper

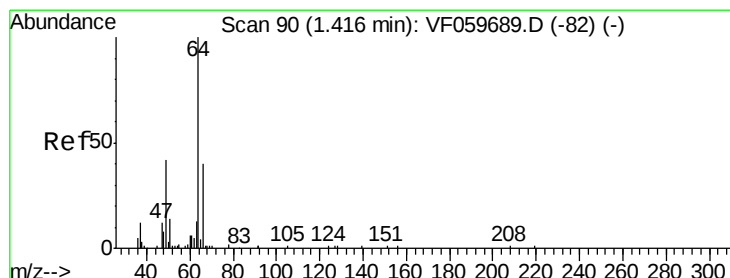
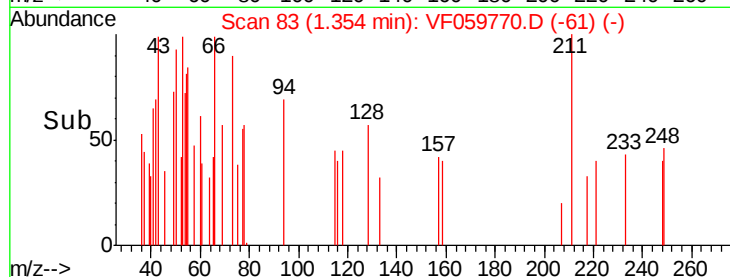
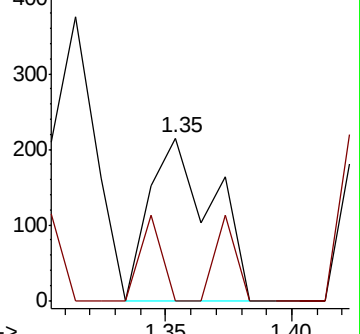
94 100

96 0.0 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: 1.45 min Scan# 93

Delta R.T. 0.04 min

Lab File: VF059770.D

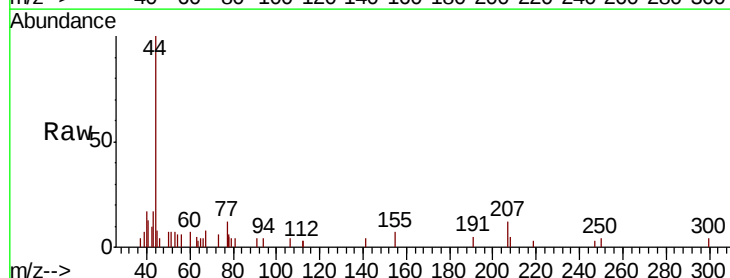
Acq: 1 Aug 2018 22:02

Tgt Ion: 64 Resp: 64

Ion Ratio Lower Upper

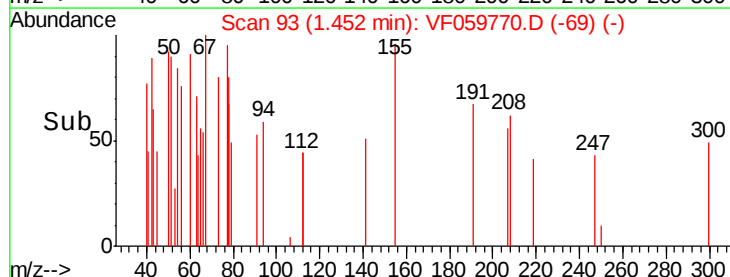
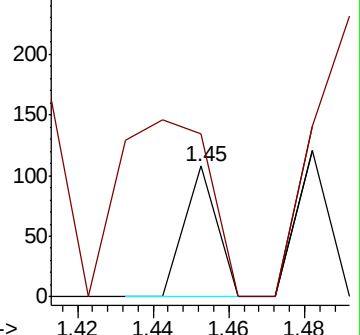
64 100

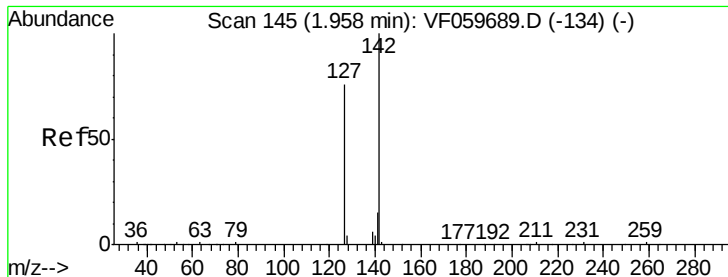
66 124.1 32.6 49.0#



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: 1.98 min Scan# 147

Delta R.T. 0.03 min

Lab File: VF059770.D

Acq: 1 Aug 2018 22:02

Instrument :

MSVOA_F

ClientSampleId :

FK-GF-02-023-BRE

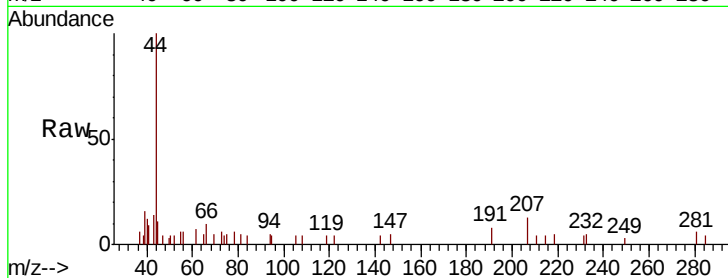
Tgt Ion:142 Resp: 72

Ion Ratio Lower Upper

142 100

127 0.0 60.6 91.0#

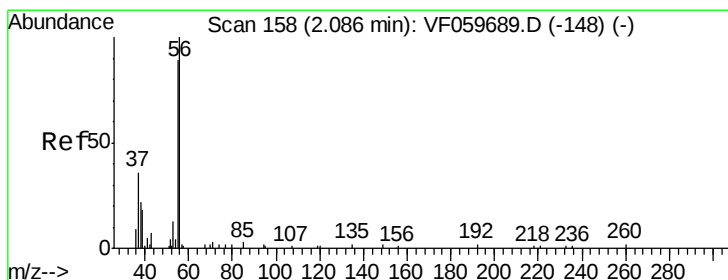
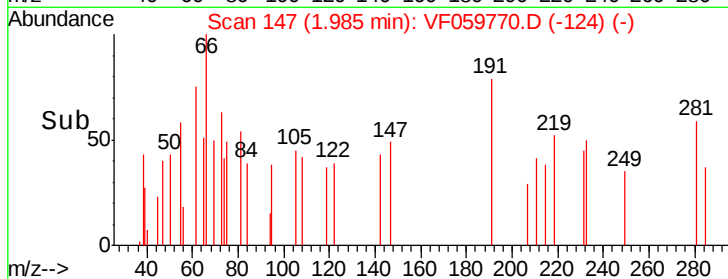
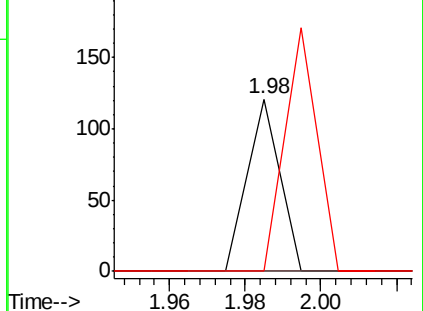
141 0.0 12.0 18.0#



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



#13

Acrolein

Concen: 19.977 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.01 min

Lab File: VF059770.D

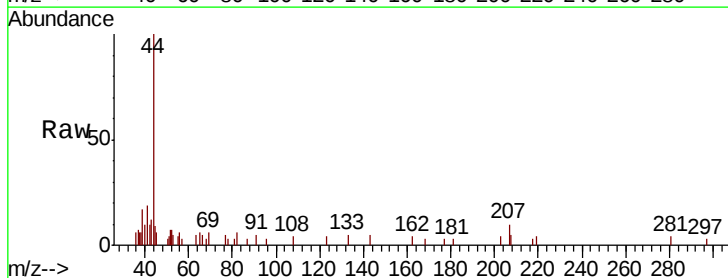
Acq: 1 Aug 2018 22:02

Tgt Ion: 56 Resp: 179

Ion Ratio Lower Upper

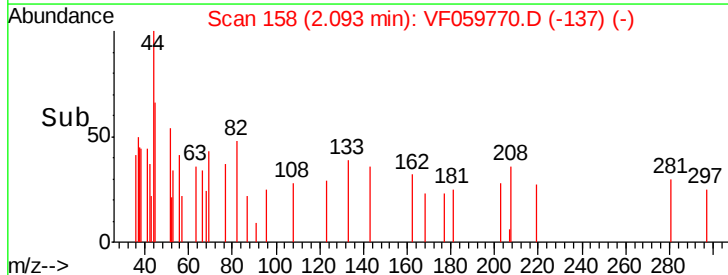
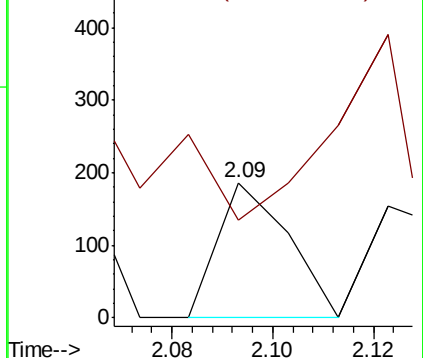
56 100

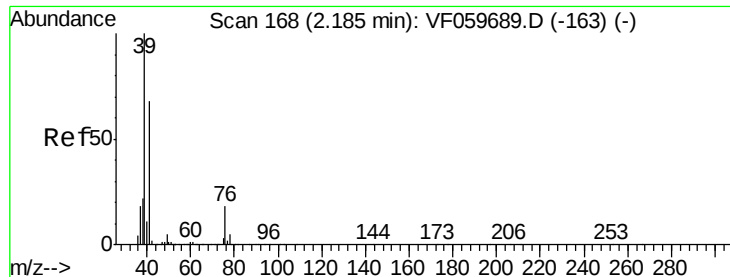
55 72.6 73.2 109.8#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0





#14

Allyl chloride

Concen: 1.375 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.09 min

Lab File: VF059770.D

Acq: 1 Aug 2018 22:02

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FK-GF-02-023-BRE

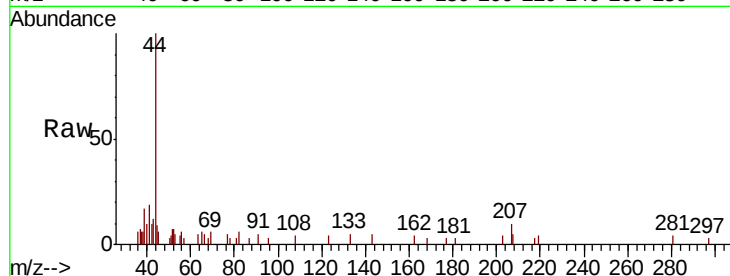
Tgt Ion: 41 Resp: 1918

Ion Ratio Lower Upper

41 100

39 85.3 118.1 177.1#

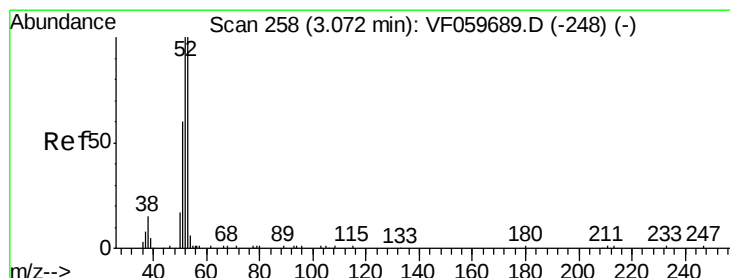
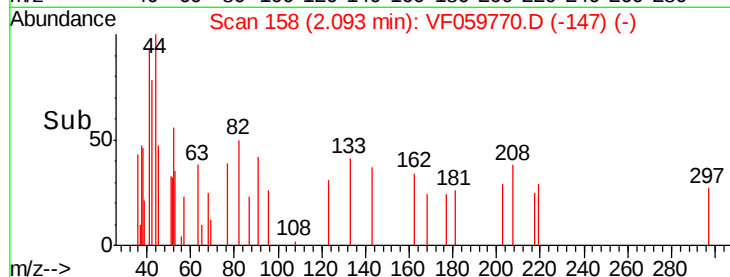
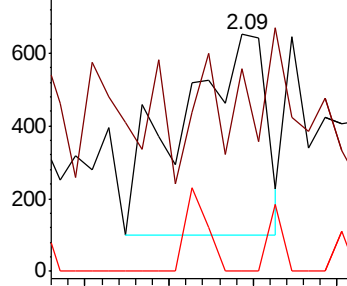
76 0.0 22.0 33.0#



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0



#15

Acrylonitrile

Concen: 2.368 ug/l

RT: 3.06 min Scan# 256

Delta R.T. -0.01 min

Lab File: VF059770.D

Acq: 1 Aug 2018 22:02

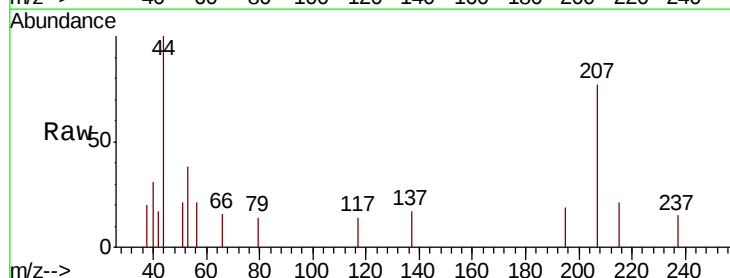
Tgt Ion: 53 Resp: 302

Ion Ratio Lower Upper

53 100

52 0.0 80.3 120.5#

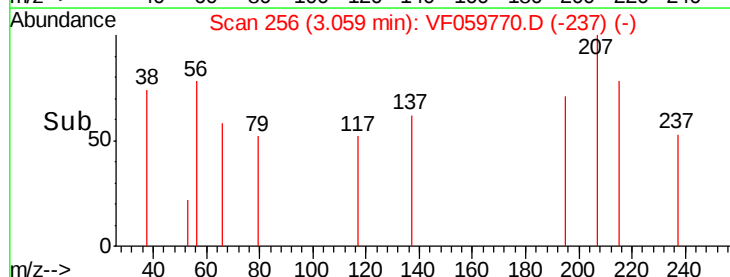
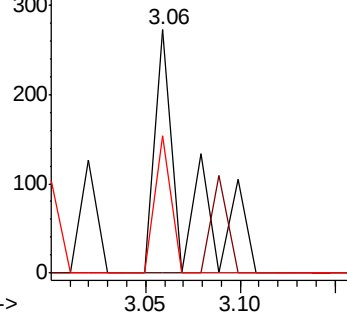
51 56.6 49.4 74.0

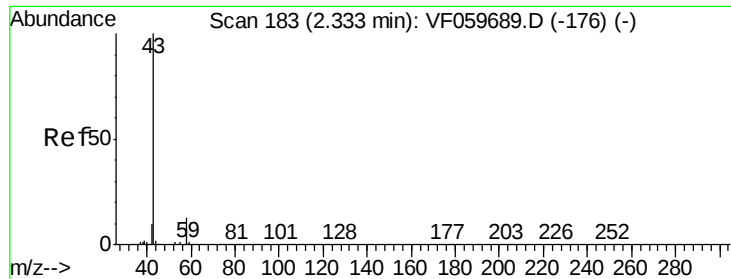


Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0





#16

Acetone

Concen: 5.203 ug/l

RT: 2.34 min Scan# 183

Delta R.T. 0.01 min

Lab File: VF059770.D

Acq: 1 Aug 2018 22:02

Instrument :

MSVOA_F

ClientSampleId :

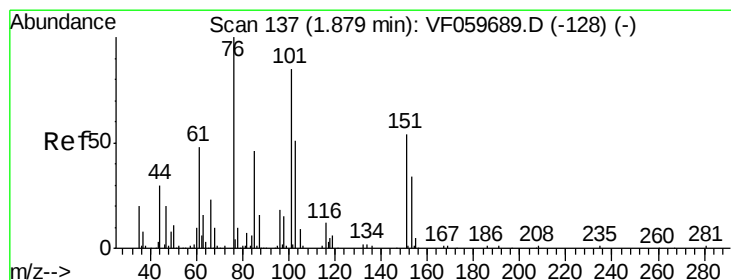
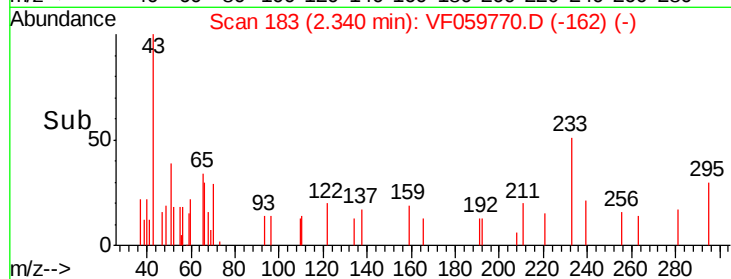
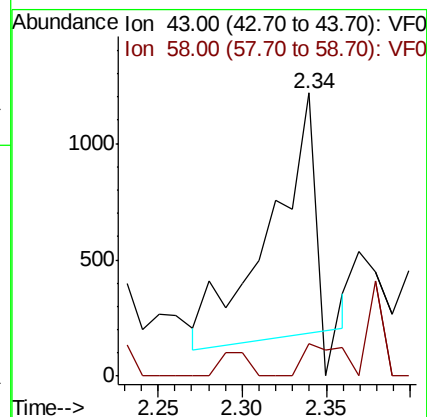
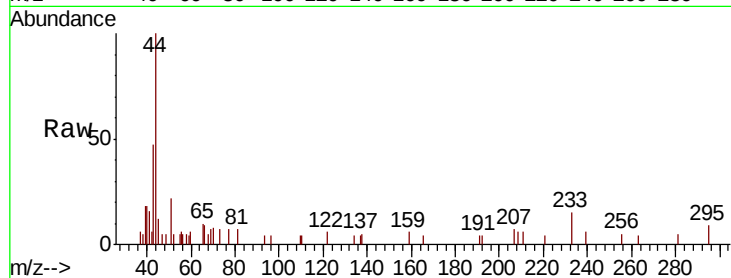
FK-GF-02-023-BRE

Tgt Ion: 43 Resp: 1897

Ion Ratio Lower Upper

43 100

58 11.5 10.1 15.1



#17

Carbon Disulfide

Concen: Below Cal

RT: 1.89 min Scan# 137

Delta R.T. 0.01 min

Lab File: VF059770.D

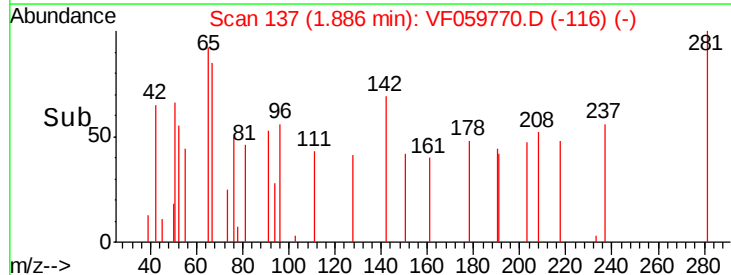
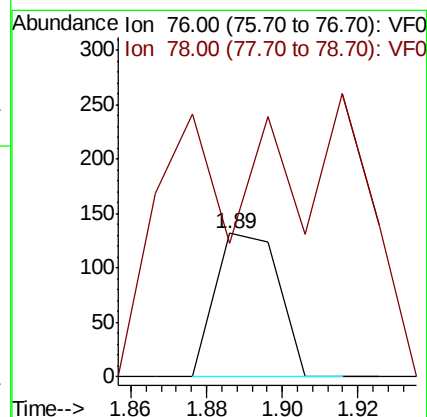
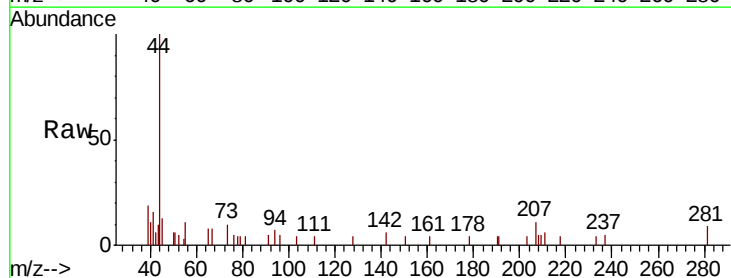
Acq: 1 Aug 2018 22:02

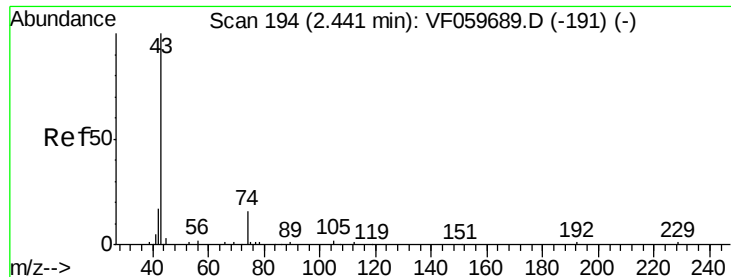
Tgt Ion: 76 Resp: 151

Ion Ratio Lower Upper

76 100

78 93.2 8.9 13.3#

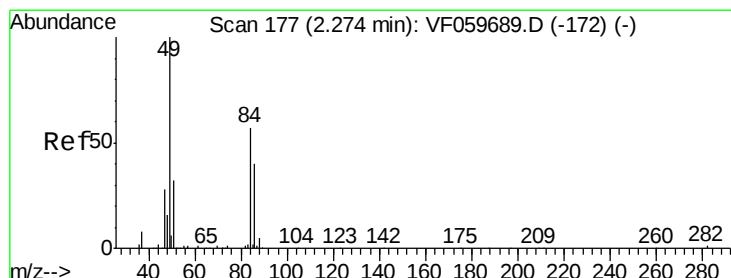
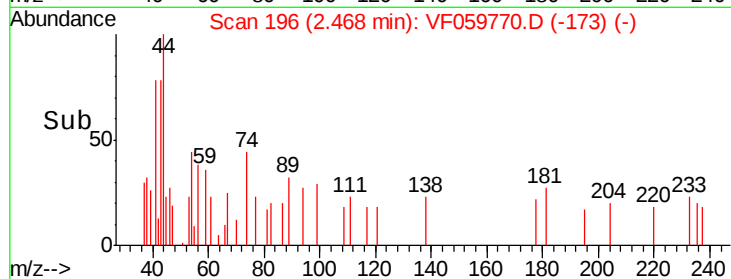
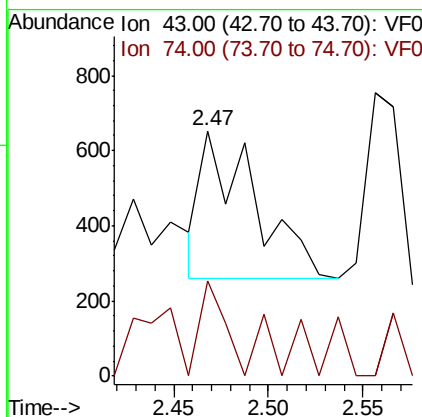
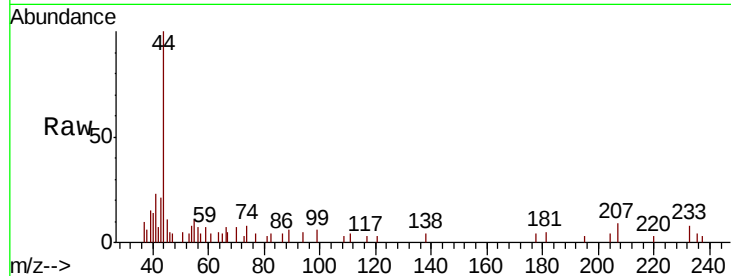




#18
Methyl Acetate
Concen: Below Cal
RT: 2.47 min Scan# 196
Delta R.T. 0.03 min
Lab File: VF059770.D
Acq: 1 Aug 2018 22:02

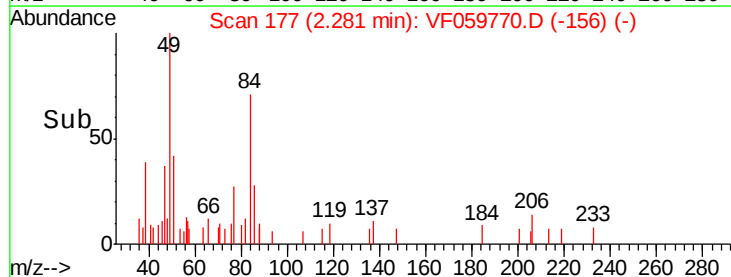
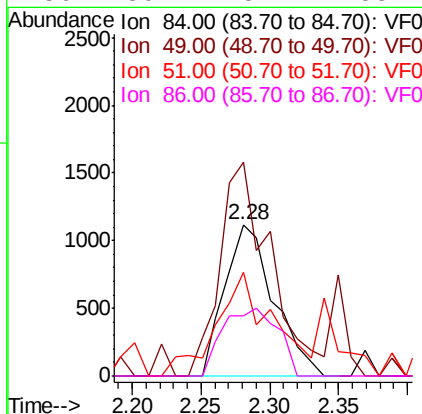
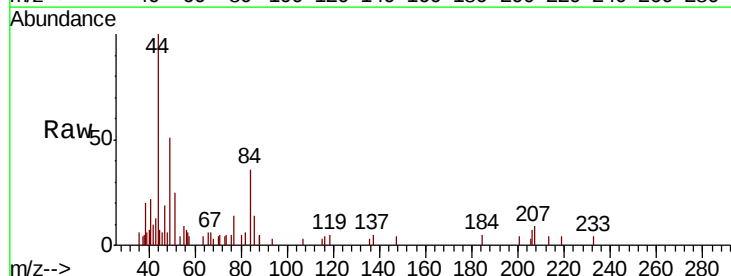
Instrument :
MSVOA_F
ClientSampleId :
FK-GF-02-023-BRE

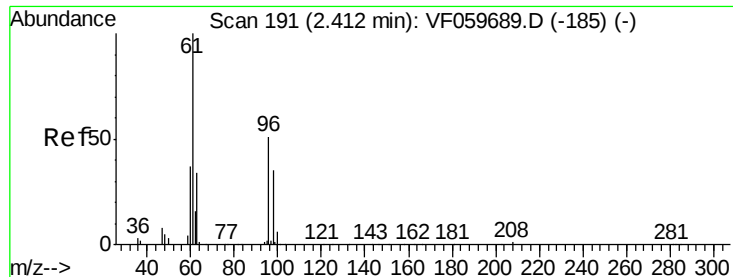
Tgt Ion: 43 Resp: 777
Ion Ratio Lower Upper
43 100
74 38.9 11.8 17.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.28 min Scan# 177
Delta R.T. 0.01 min
Lab File: VF059770.D
Acq: 1 Aug 2018 22:02

Tgt Ion: 84 Resp: 2779
Ion Ratio Lower Upper
84 100
49 141.1 142.2 213.4#
51 68.7 46.2 69.2
86 39.7 57.1 85.7#





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 2.40 min Scan# 189

Delta R.T. -0.01 min

Lab File: VF059770.D

Acq: 1 Aug 2018 22:02

Instrument :

MSVOA_F

ClientSampleId :

FK-GF-02-023-BRE

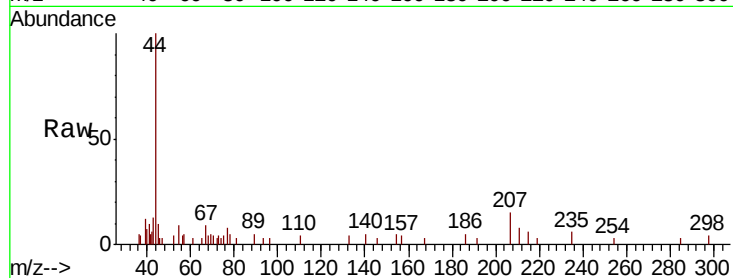
Tgt Ion: 96 Resp: 64

Ion Ratio Lower Upper

96 100

61 104.6 157.4 236.0#

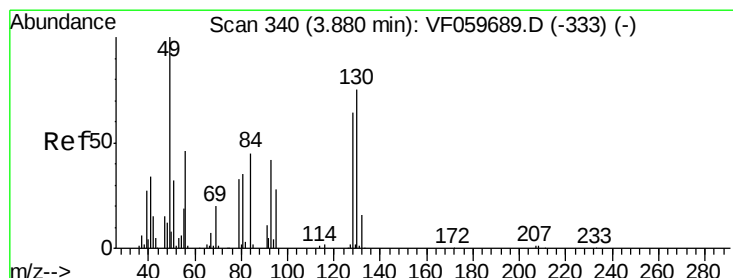
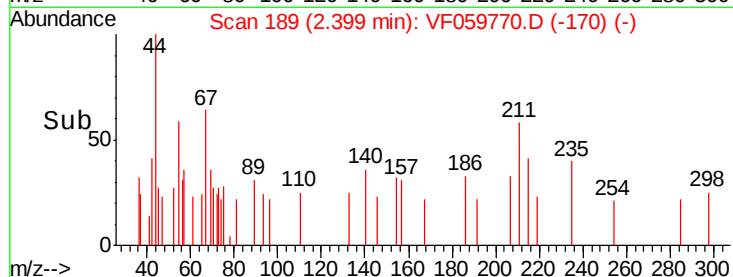
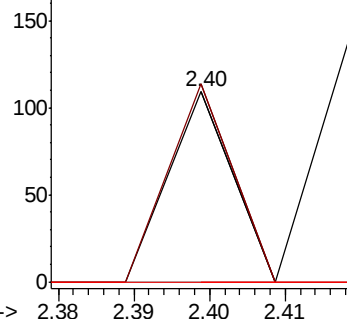
98 0.0 55.0 82.4#



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: 3.87 min Scan# 338

Delta R.T. -0.01 min

Lab File: VF059770.D

Acq: 1 Aug 2018 22:02

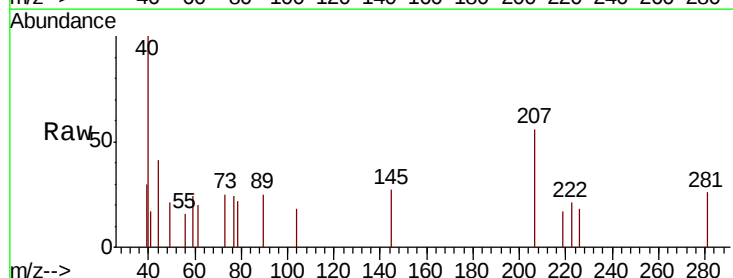
Tgt Ion: 49 Resp: 77

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.8

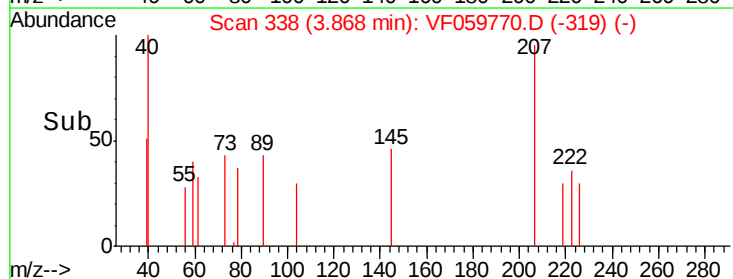
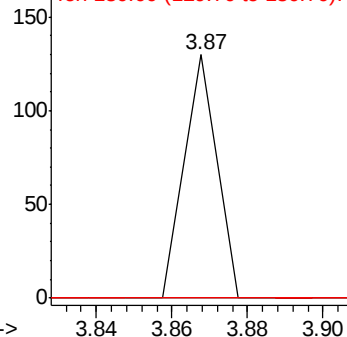
130 0.0 59.6 89.4#

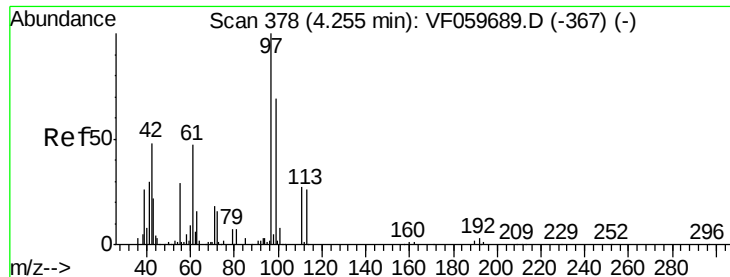


Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 1.253 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.02 min

Lab File: VF059770.D

Acq: 1 Aug 2018 22:02

Instrument :

MSVOA_F

ClientSampleId :

FK-GF-02-023-BRE

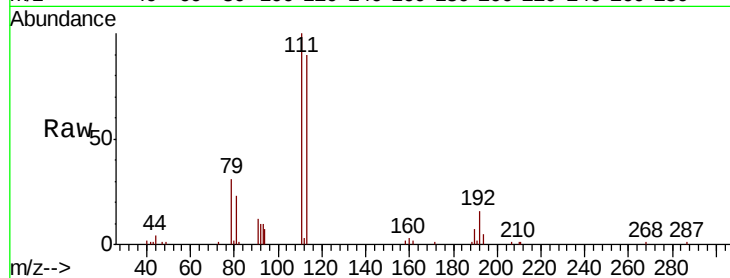
Tgt Ion: 42 Resp: 196

Ion Ratio Lower Upper

42 100

72 0.0 27.0 40.6#

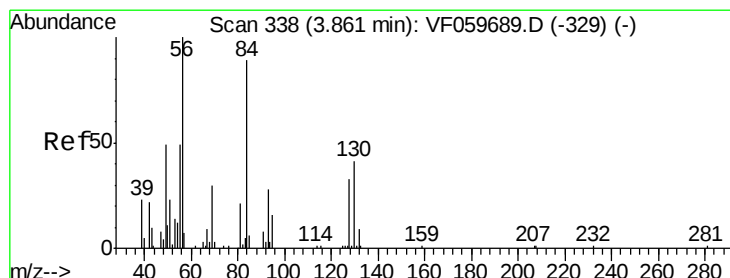
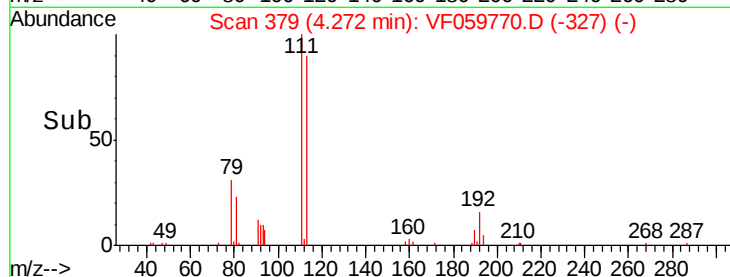
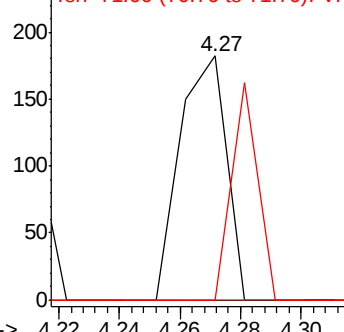
71 49.0 29.7 44.5#



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#31

Cyclohexane

Concen: Below Cal

RT: 3.97 min Scan# 348

Delta R.T. 0.11 min

Lab File: VF059770.D

Acq: 1 Aug 2018 22:02

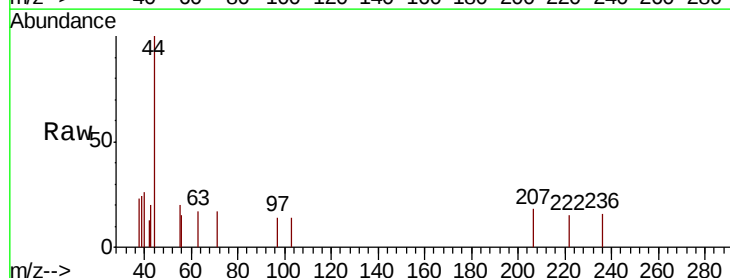
Tgt Ion: 56 Resp: 70

Ion Ratio Lower Upper

56 100

69 0.0 23.7 35.5#

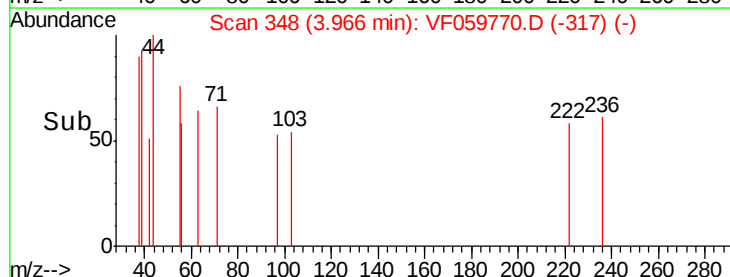
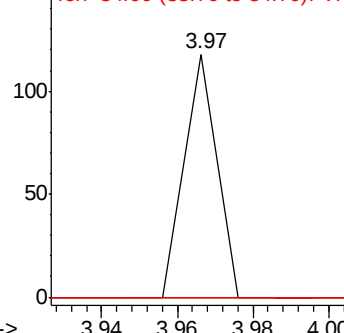
84 0.0 71.1 106.7#

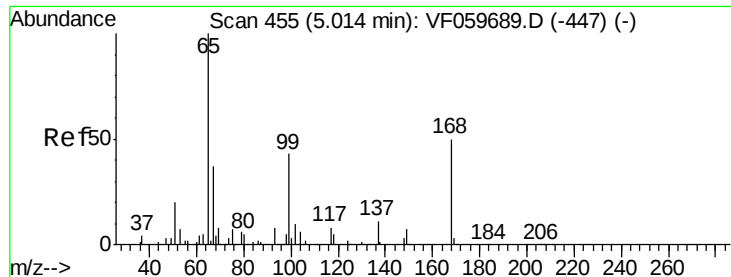


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 27.667 ug/l

RT: 5.02 min Scan# 455

Delta R.T. 0.01 min

Lab File: VF059770.D

Acq: 1 Aug 2018 22:02

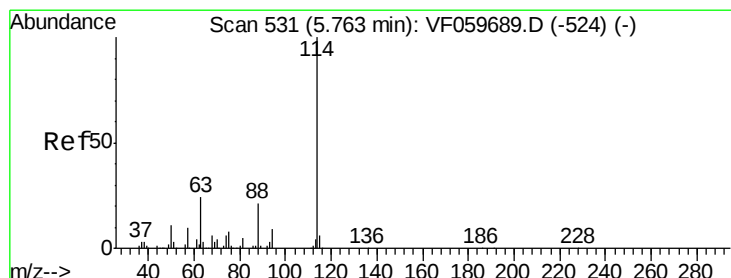
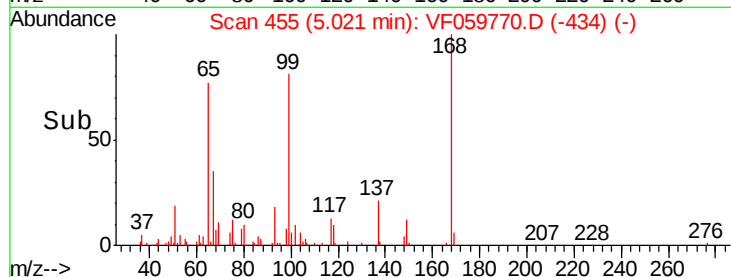
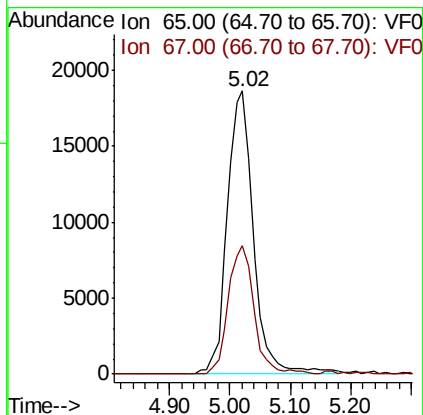
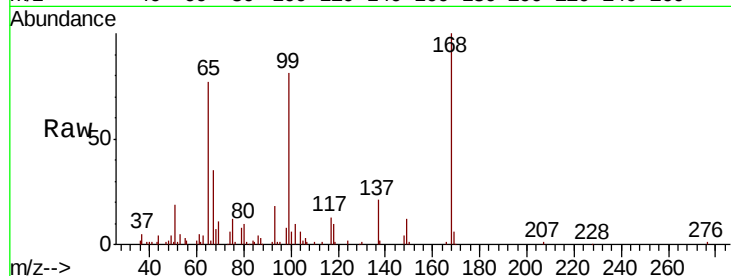
Instrument :
MSVOA_F
ClientSampleId :
FK-GF-02-023-BRE

Tgt Ion: 65 Resp: 56084

Ion Ratio Lower Upper

65 100

67 45.5 0.0 84.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.00 min

Lab File: VF059770.D

Acq: 1 Aug 2018 22:02

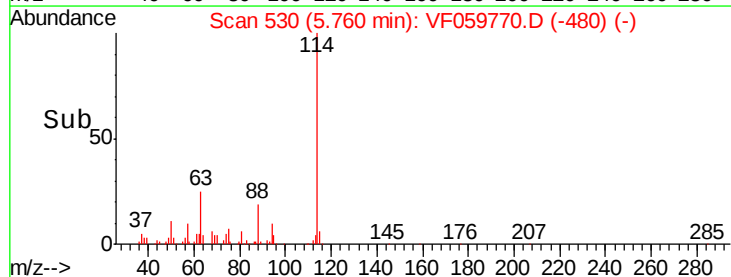
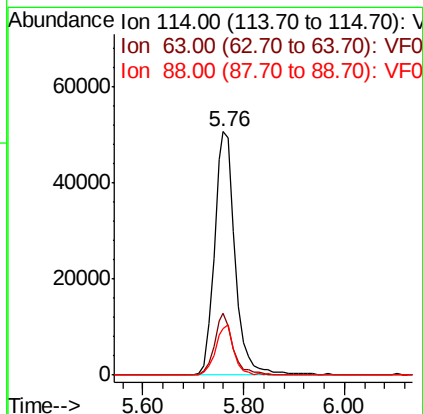
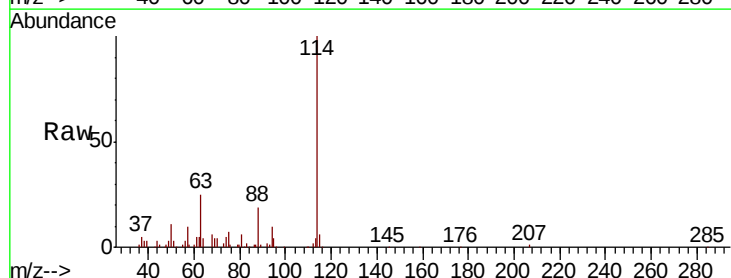
Tgt Ion: 114 Resp: 146414

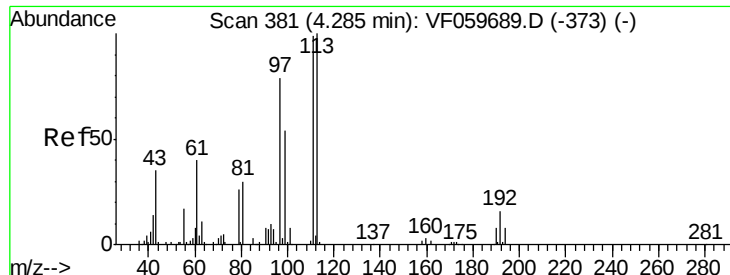
Ion Ratio Lower Upper

114 100

63 25.5 0.0 47.4

88 19.1 0.0 41.2

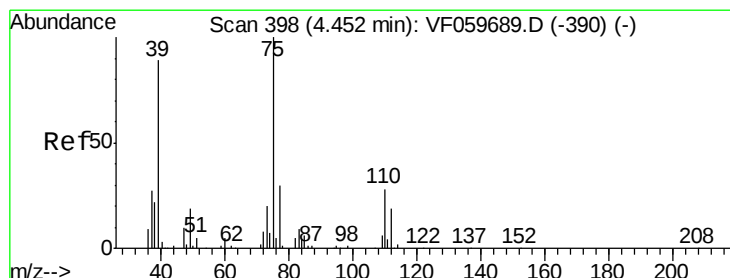
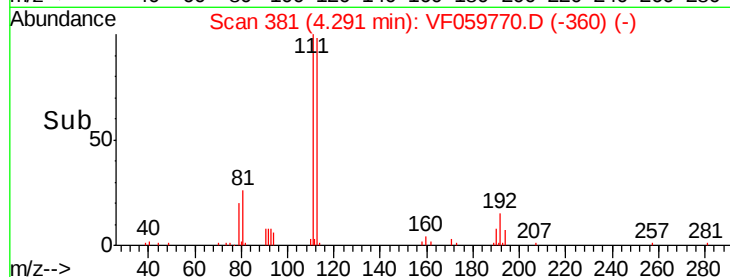
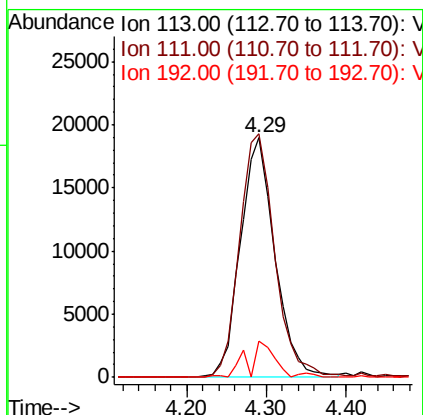
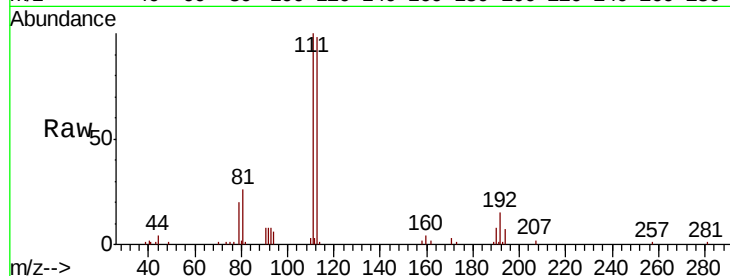




#35
 Dibromofluoromethane
 Concen: 37.460 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VF059770.D
 Acq: 1 Aug 2018 22:02

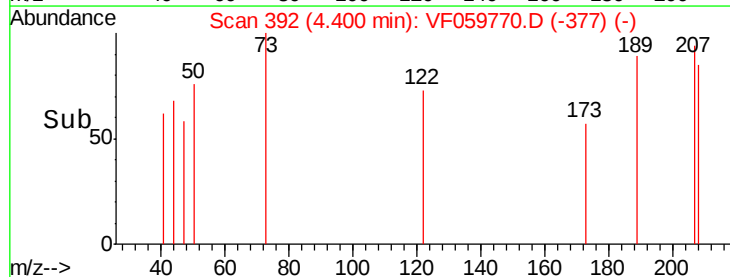
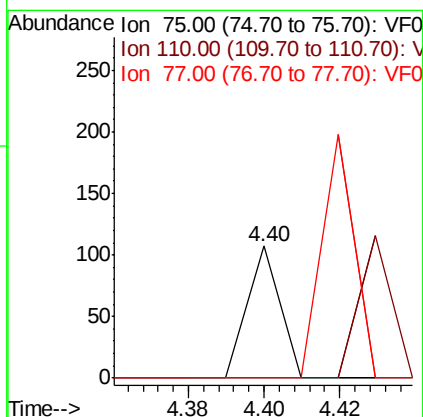
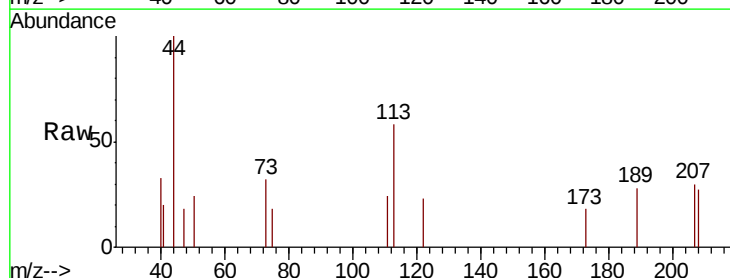
Instrument :
 MSVOA_F
 ClientSampleId :
 FK-GF-02-023-BRE

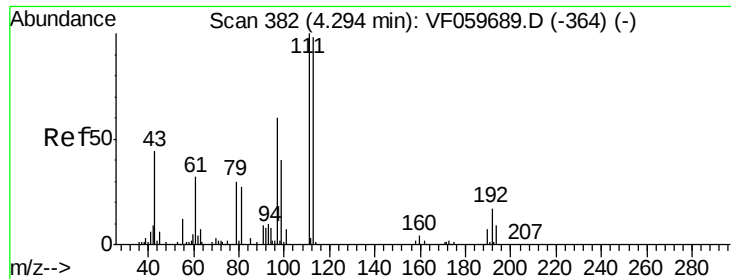
Tgt Ion:113 Resp: 56967
 Ion Ratio Lower Upper
 113 100
 111 100.6 79.0 118.4
 192 14.8 13.2 19.8



#36
 1,1-Dichloropropene
 Concen: Below Cal
 RT: 4.40 min Scan# 392
 Delta R.T. -0.05 min
 Lab File: VF059770.D
 Acq: 1 Aug 2018 22:02

Tgt Ion: 75 Resp: 63
 Ion Ratio Lower Upper
 75 100
 110 0.0 14.0 41.9#
 77 0.0 24.2 36.2#

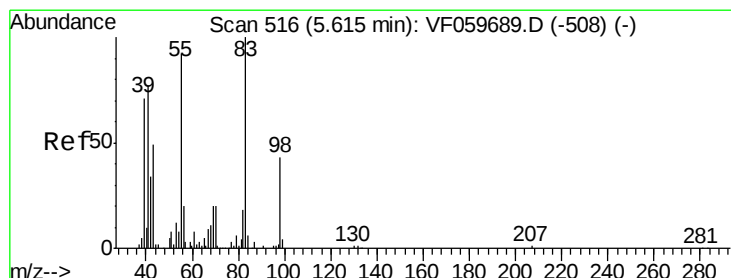
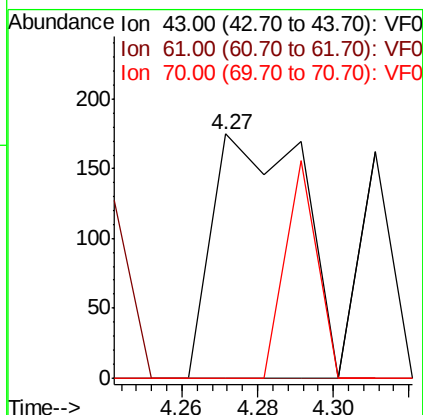
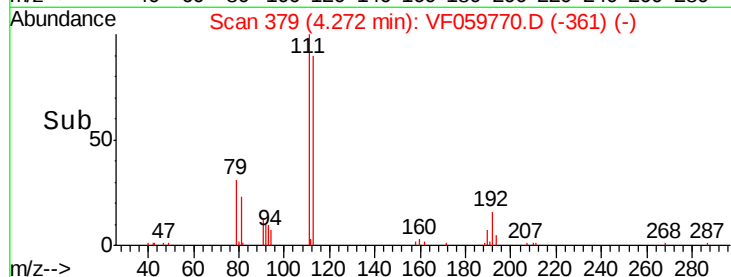
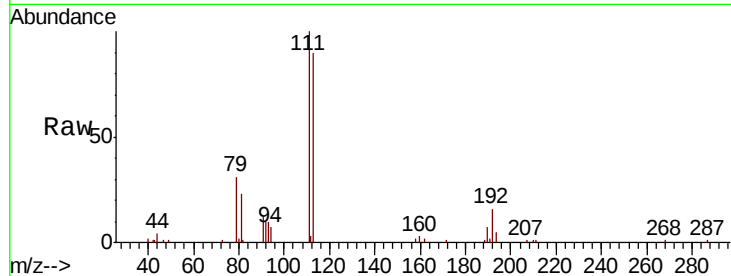




#37
Ethyl Acetate
Concen: Below Cal
RT: 4.27 min Scan# 379
Delta R.T. -0.02 min
Lab File: VF059770.D
Acq: 1 Aug 2018 22:02

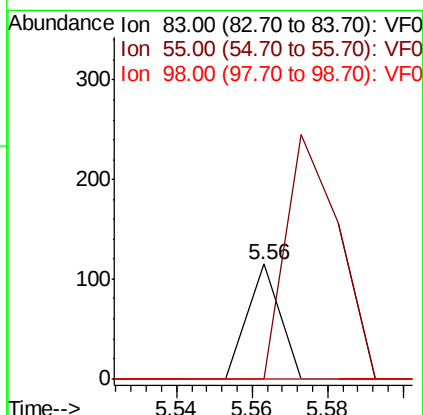
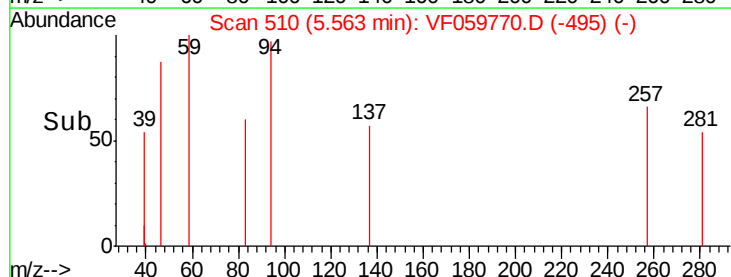
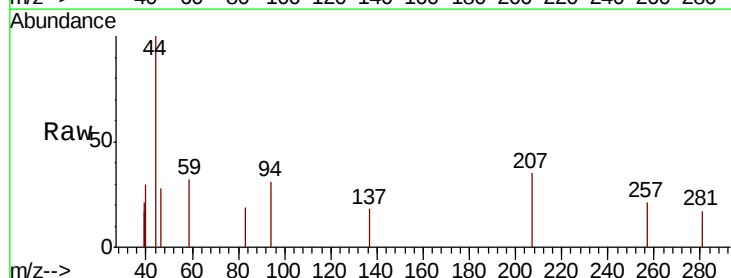
Instrument :
MSVOA_F
ClientSampleId :
FK-GF-02-023-BRE

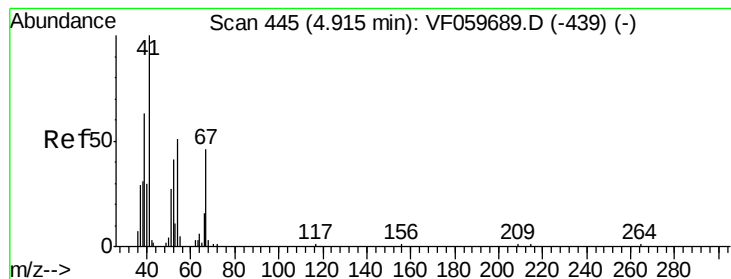
Tgt Ion: 43 Resp: 290
Ion Ratio Lower Upper
43 100
61 0.0 58.2 87.2#
70 0.0 6.0 9.0#



#39
Methylcyclohexane
Concen: Below Cal
RT: 5.56 min Scan# 510
Delta R.T. -0.05 min
Lab File: VF059770.D
Acq: 1 Aug 2018 22:02

Tgt Ion: 83 Resp: 68
Ion Ratio Lower Upper
83 100
55 0.0 73.4 110.2#
98 0.0 34.2 51.4#





#41

Methacrylonitrile

Concen: Below Cal

RT: 4.91 min Scan# 444

Delta R.T. -0.00 min

Lab File: VF059770.D

Acq: 1 Aug 2018 22:02

Instrument :

MSVOA_F

ClientSampleId :

FK-GF-02-023-BRE

Tgt Ion: 41 Resp: 148

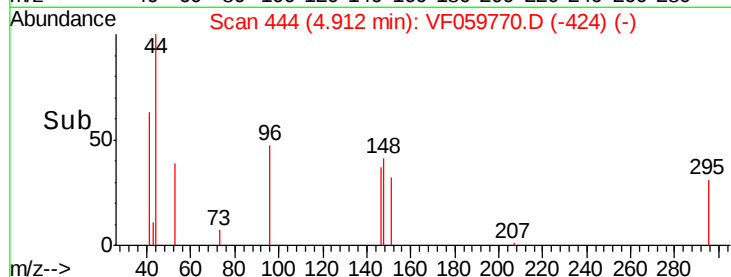
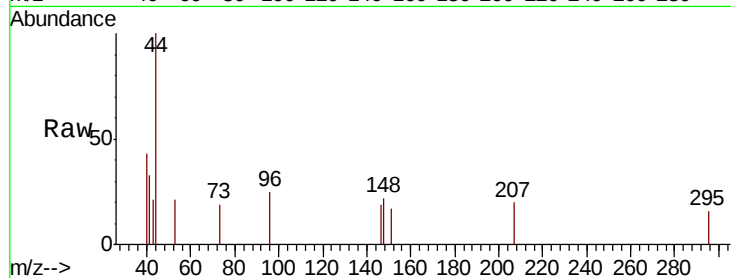
Ion Ratio Lower Upper

41 100

39 0.0 55.2 82.8#

67 0.0 36.2 54.2#

52 0.0 37.7 56.5#

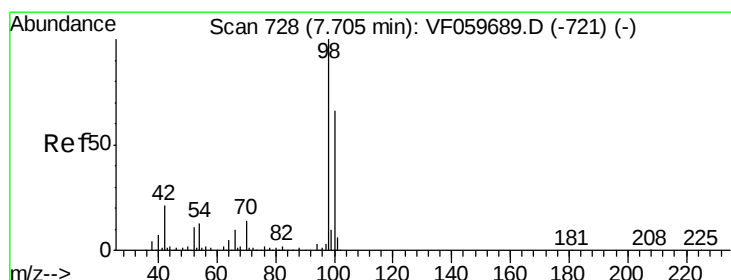
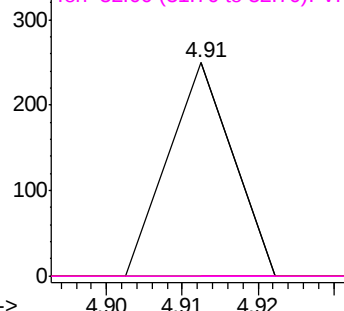


Abundance Ion 41.00 (40.70 to 41.70): VF0

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



#50

Toluene-d8

Concen: 41.531 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.00 min

Lab File: VF059770.D

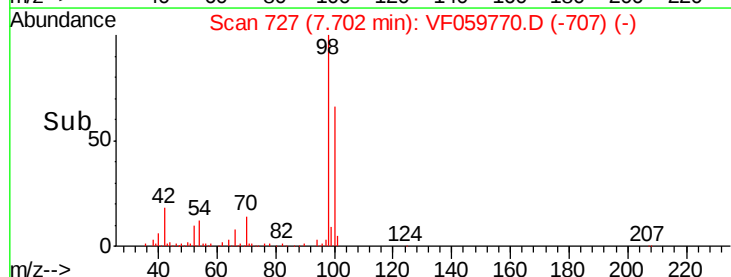
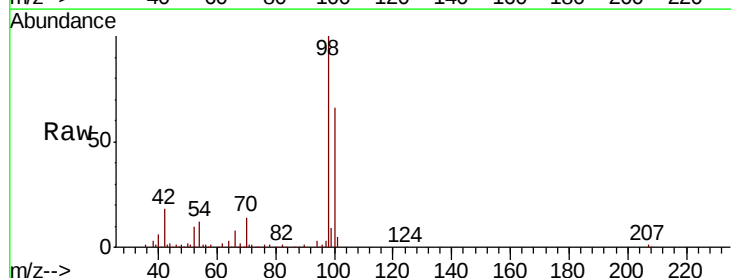
Acq: 1 Aug 2018 22:02

Tgt Ion: 98 Resp: 147280

Ion Ratio Lower Upper

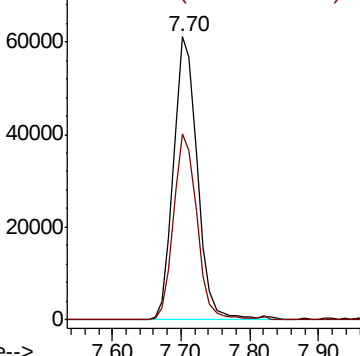
98 100

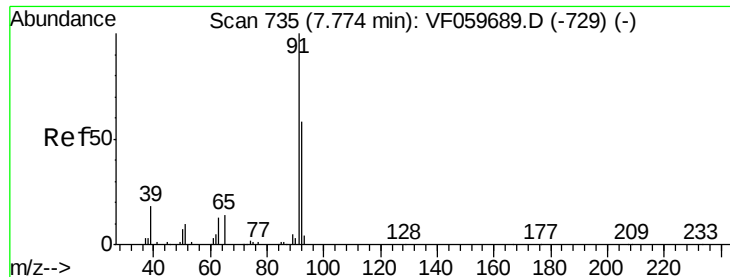
100 65.6 52.8 79.2



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: 7.78 min Scan# 735

Delta R.T. 0.01 min

Lab File: VF059770.D

Acq: 1 Aug 2018 22:02

Instrument :

MSVOA_F

ClientSampleId :

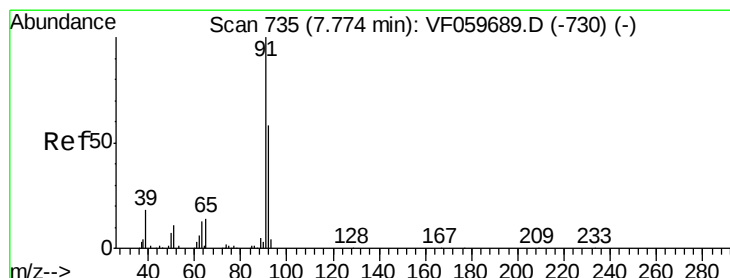
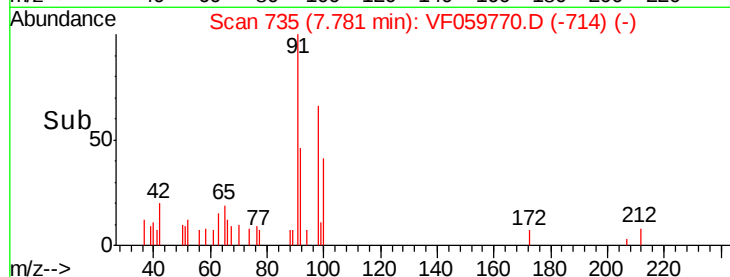
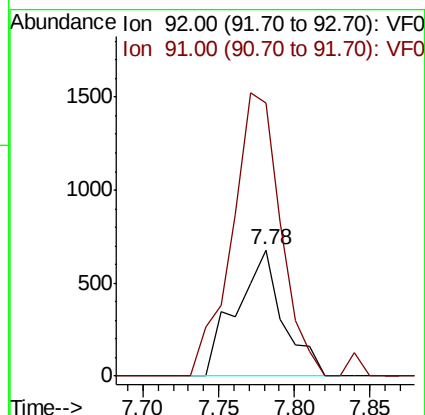
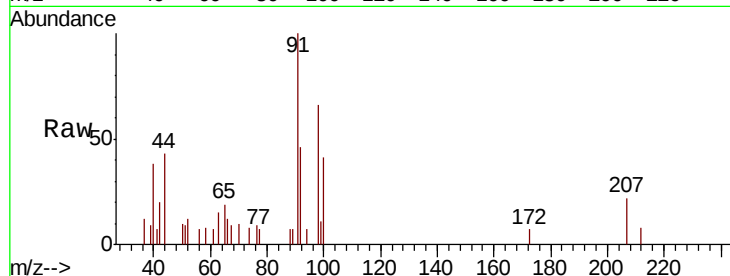
FK-GF-02-023-BRE

Tgt Ion: 92 Resp: 1461

Ion Ratio Lower Upper

92 100

91 216.2 139.0 208.4#



#58

2-Chloroethyl Vinyl ether

Concen: 6.689 ug/l

RT: 7.76 min Scan# 733

Delta R.T. -0.01 min

Lab File: VF059770.D

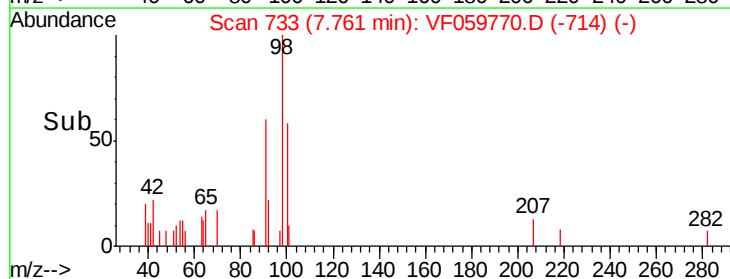
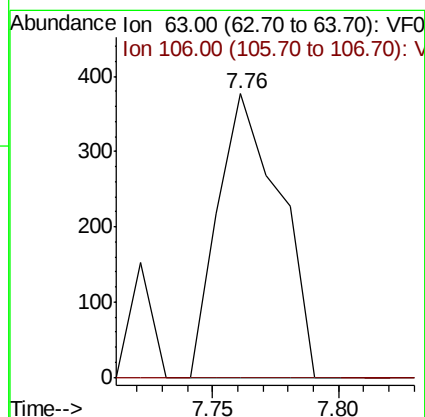
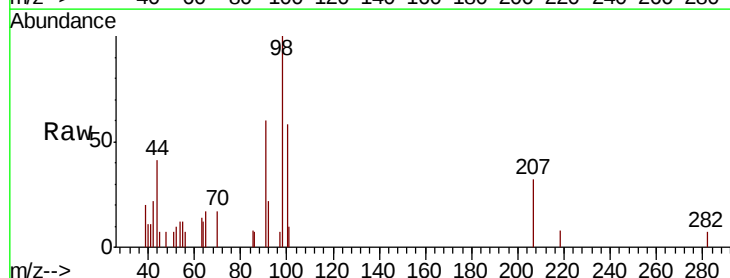
Acq: 1 Aug 2018 22:02

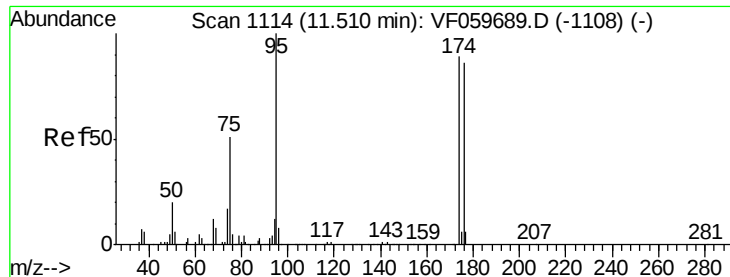
Tgt Ion: 63 Resp: 645

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

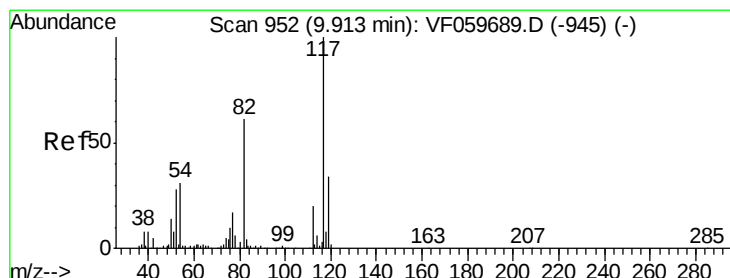
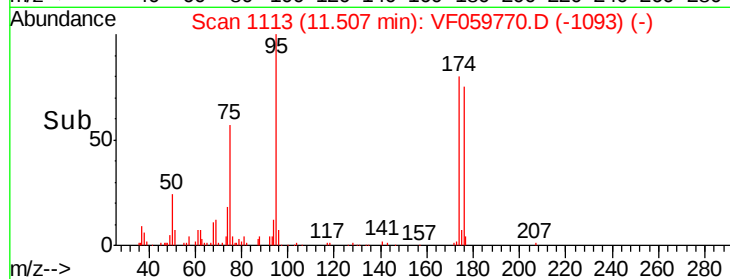
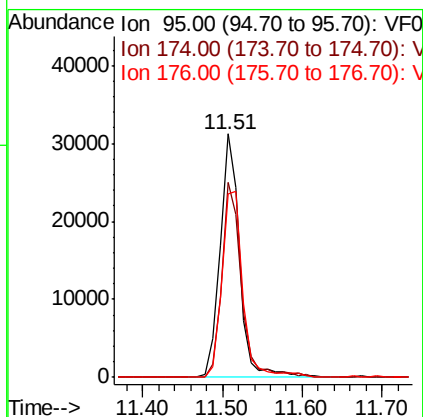
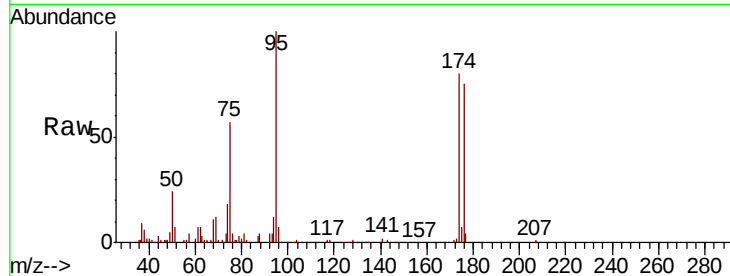




#62
4-Bromofluorobenzene
Concen: 27.617 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VF059770.D
Acq: 1 Aug 2018 22:02

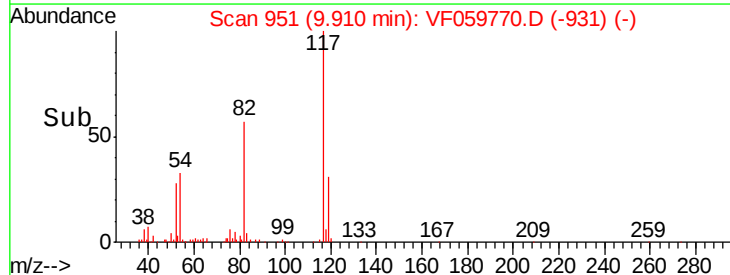
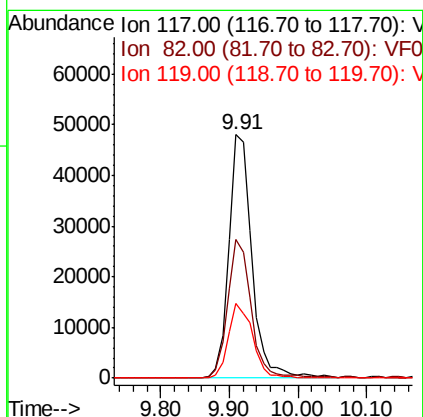
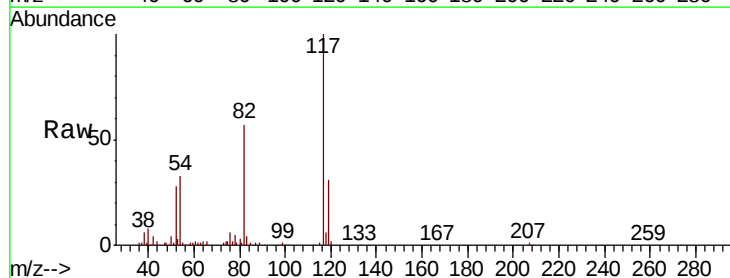
Instrument :
MSVOA_F
ClientSampleId :
FK-GF-02-023-BRE

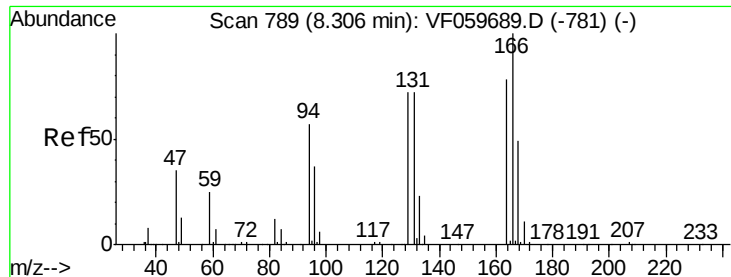
Tgt Ion: 95 Resp: 54219
Ion Ratio Lower Upper
95 100
174 80.1 0.0 178.4
176 75.3 0.0 173.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF059770.D
Acq: 1 Aug 2018 22:02

Tgt Ion: 117 Resp: 111962
Ion Ratio Lower Upper
117 100
82 57.0 49.0 73.4
119 30.8 27.3 40.9

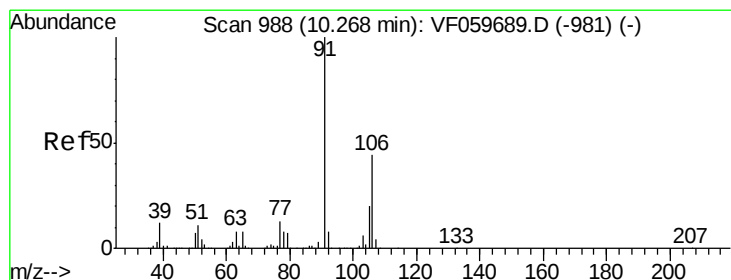
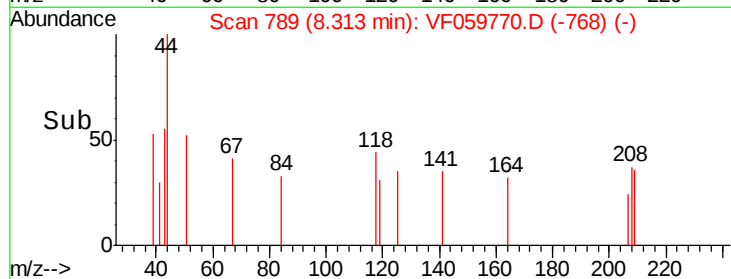
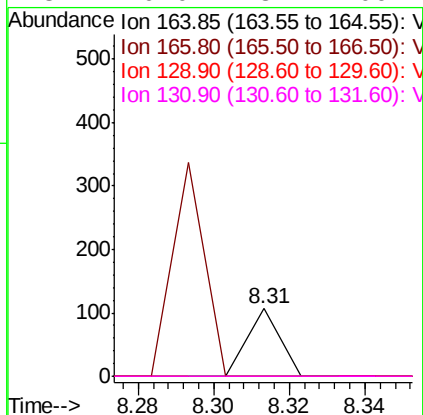
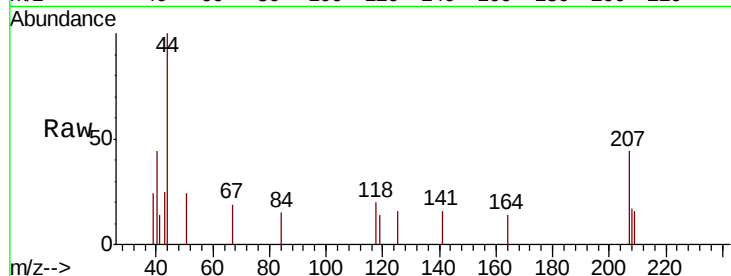




#64
Tetrachloroethene
Concen: Below Cal
RT: 8.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VF059770.D
Acq: 1 Aug 2018 22:02

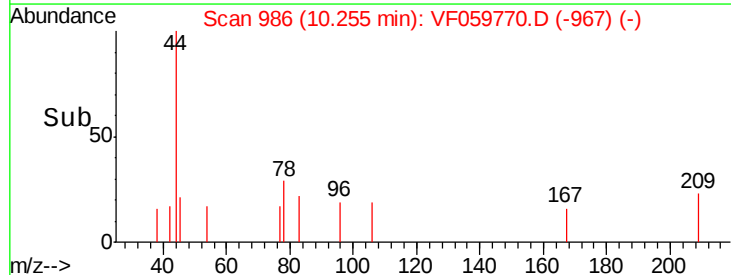
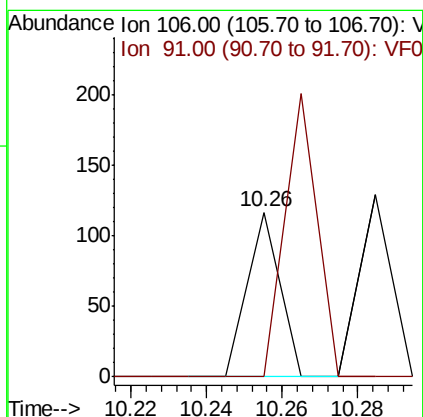
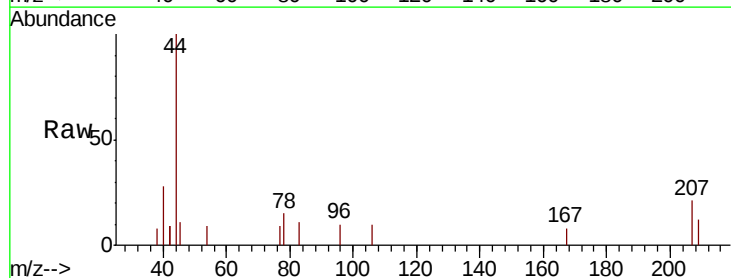
Instrument :
MSVOA_F
ClientSampleId :
FK-GF-02-023-BRE

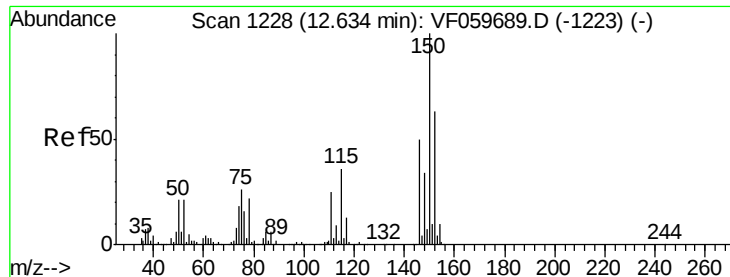
Tgt Ion:164 Resp: 63
Ion Ratio Lower Upper
164 100
166 0.0 102.1 153.1#
129 0.0 73.8 110.6#
131 0.0 73.1 109.7#



#68
m/p-Xylenes
Concen: Below Cal
RT: 10.26 min Scan# 986
Delta R.T. -0.01 min
Lab File: VF059770.D
Acq: 1 Aug 2018 22:02

Tgt Ion:106 Resp: 69
Ion Ratio Lower Upper
106 100
91 0.0 181.7 272.5#



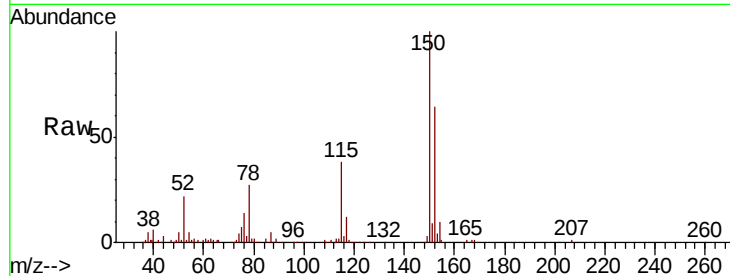


#72

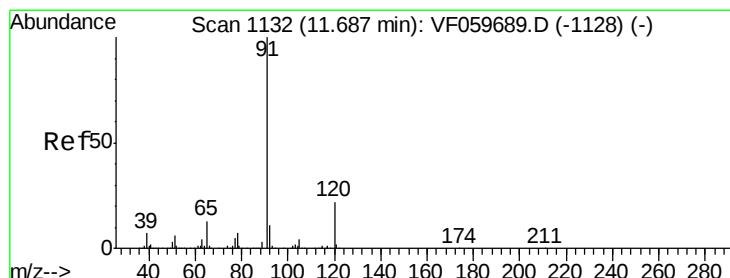
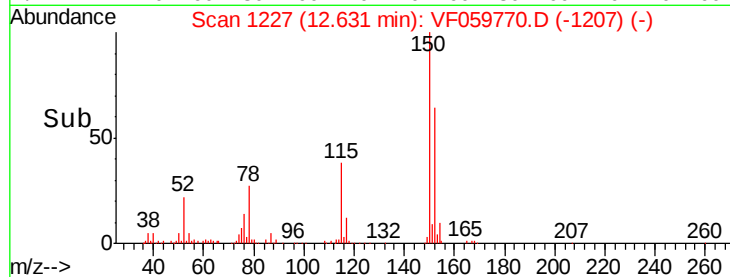
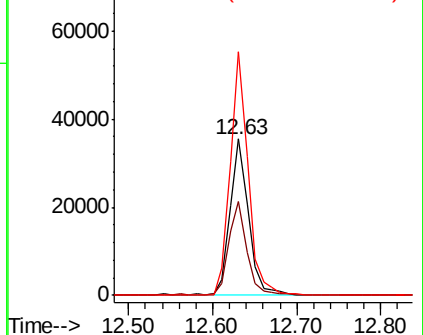
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.00 min
Lab File: VF059770.D
Acq: 1 Aug 2018 22:02

Instrument :
MSVOA_F
ClientSampleId :
FK-GF-02-023-BRE

Tgt Ion:152 Resp: 54453
Ion Ratio Lower Upper
152 100
115 59.8 28.2 84.6
150 156.0 0.0 316.2



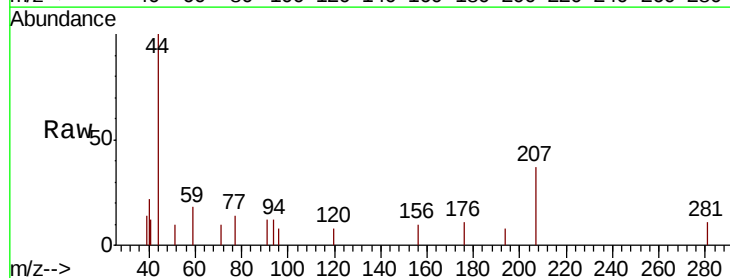
Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



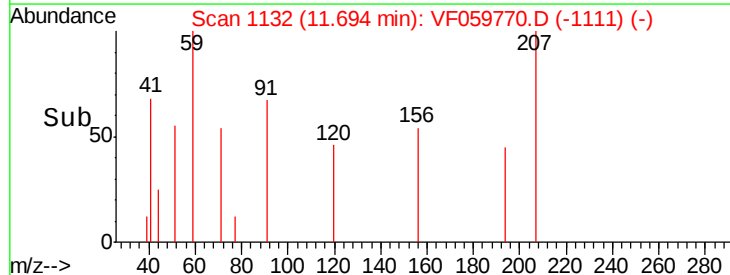
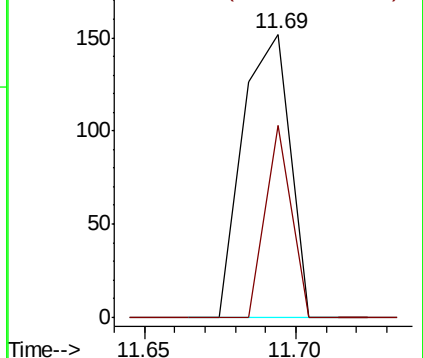
#78

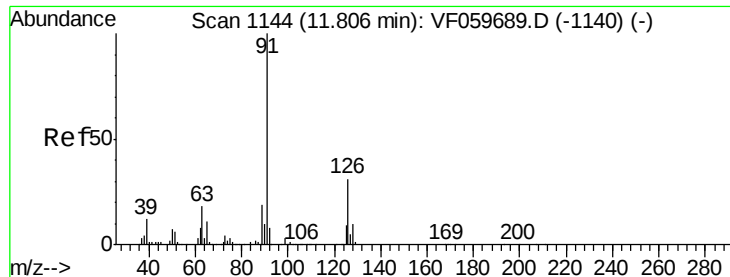
n-propylbenzene
Concen: Below Cal
RT: 11.69 min Scan# 1132
Delta R.T. 0.01 min
Lab File: VF059770.D
Acq: 1 Aug 2018 22:02

Tgt Ion: 91 Resp: 164
Ion Ratio Lower Upper
91 100
120 67.8 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: VF059770.D

Acq: 1 Aug 2018 22:02

Instrument :

MSVOA_F

ClientSampleId :

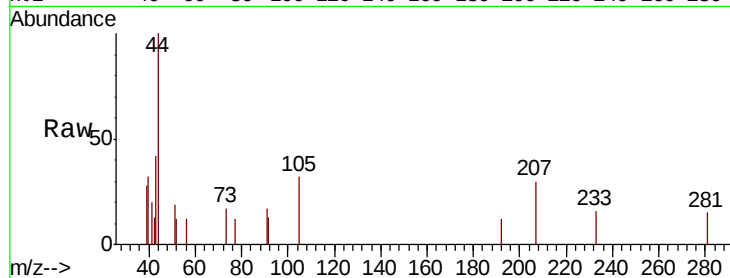
FK-GF-02-023-BRE

Tgt Ion: 91 Resp: 357

Ion Ratio Lower Upper

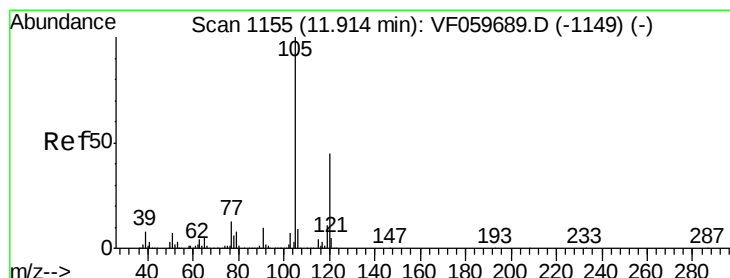
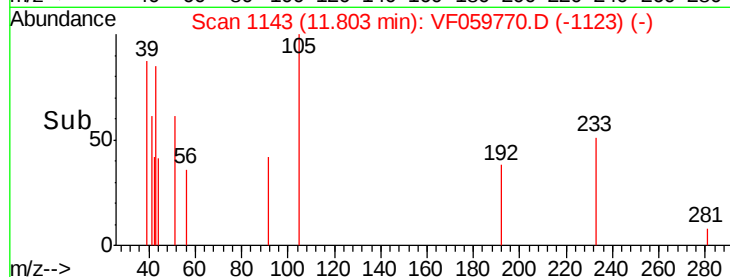
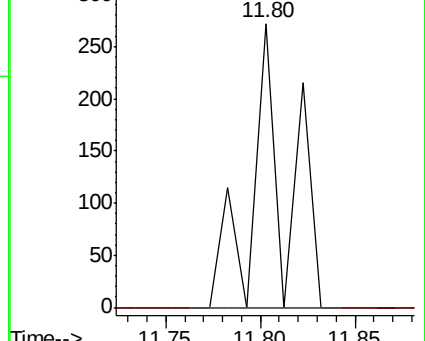
91 100

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: VF059770.D

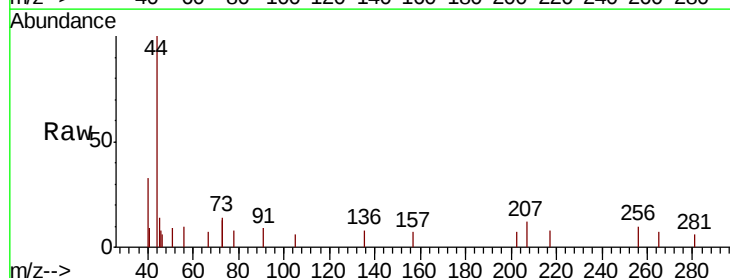
Acq: 1 Aug 2018 22:02

Tgt Ion: 105 Resp: 60

Ion Ratio Lower Upper

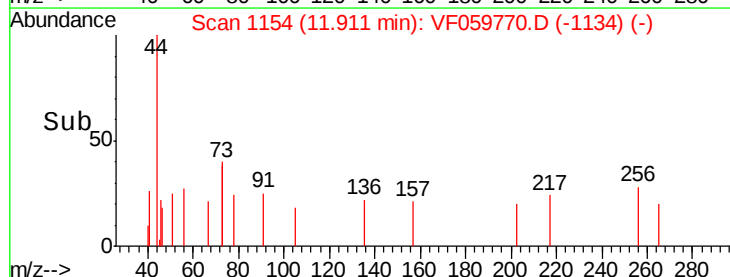
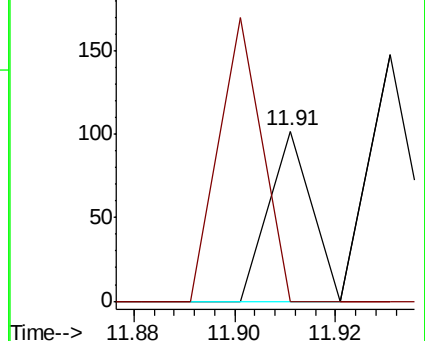
105 100

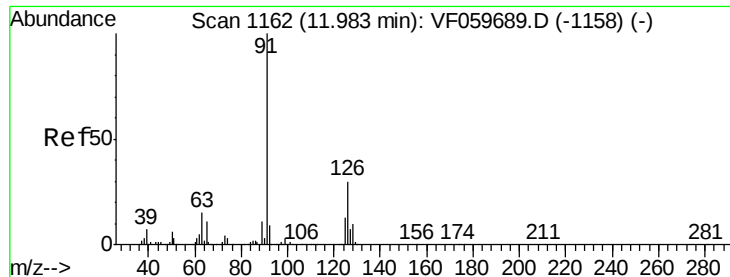
120 0.0 22.7 68.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#82

4-Chlorotoluene

Concen: Below Cal

RT: 11.98 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VF059770.D

Acq: 1 Aug 2018 22:02

Instrument :

MSVOA_F

ClientSampleId :

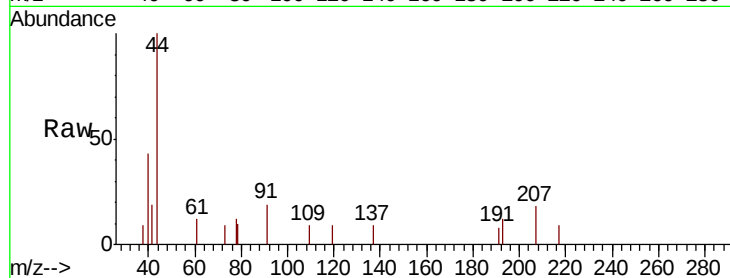
FK-GF-02-023-BRE

Tgt Ion: 91 Resp: 254

Ion Ratio Lower Upper

91 100

126 0.0 15.2 45.6#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

11.98

200

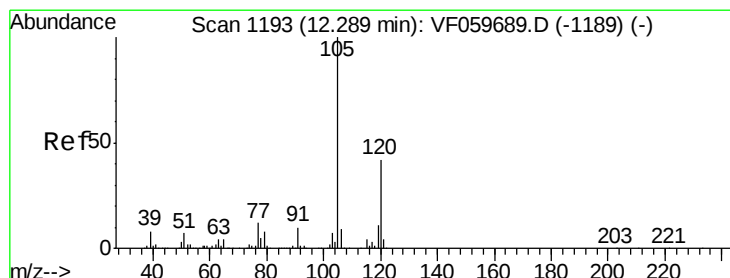
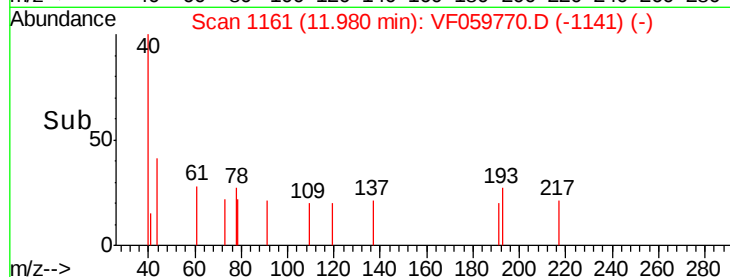
150

100

50

0

Time-->



#84

1,2,4-Trimethylbenzene

Concen: Below Cal

RT: 12.29 min Scan# 1192

Delta R.T. -0.00 min

Lab File: VF059770.D

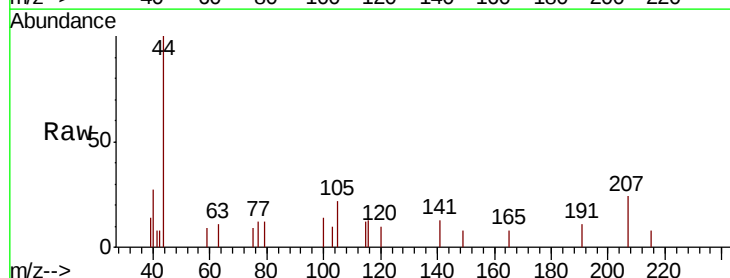
Acq: 1 Aug 2018 22:02

Tgt Ion: 105 Resp: 426

Ion Ratio Lower Upper

105 100

120 45.0 21.1 63.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.29

300

250

200

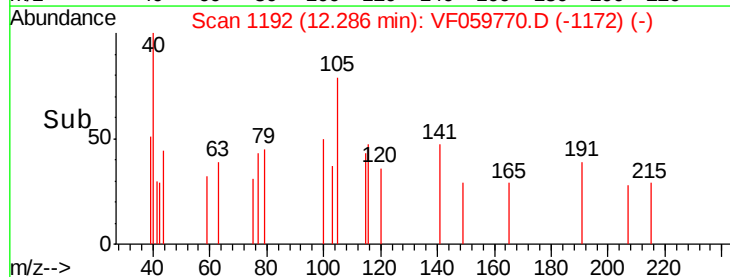
150

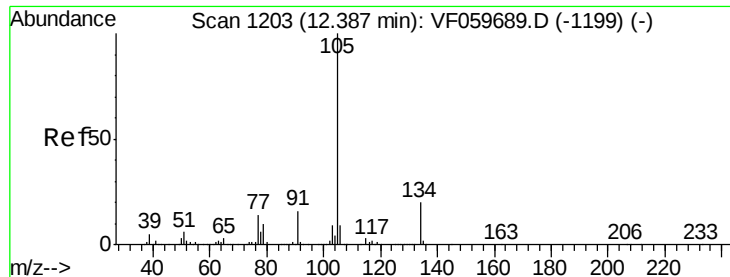
100

50

0

Time-->

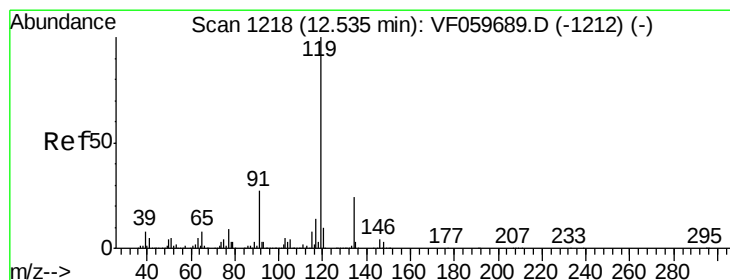
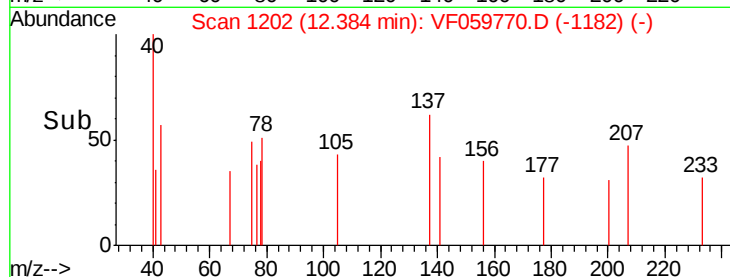
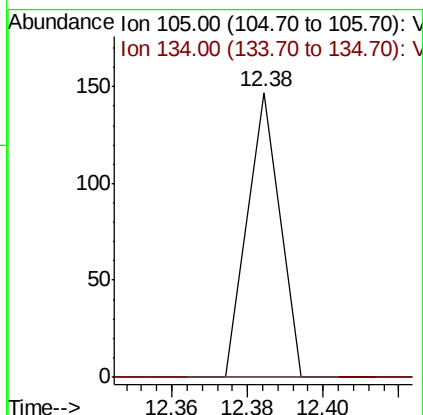
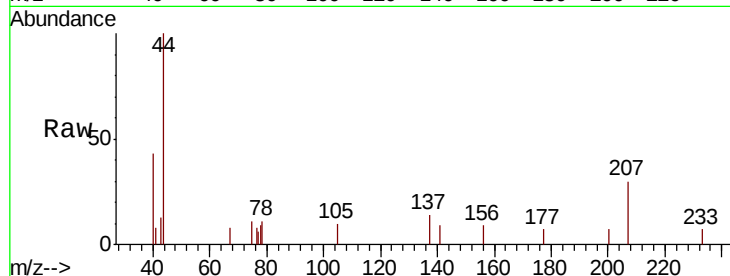




#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 12.38 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VF059770.D
 Acq: 1 Aug 2018 22:02

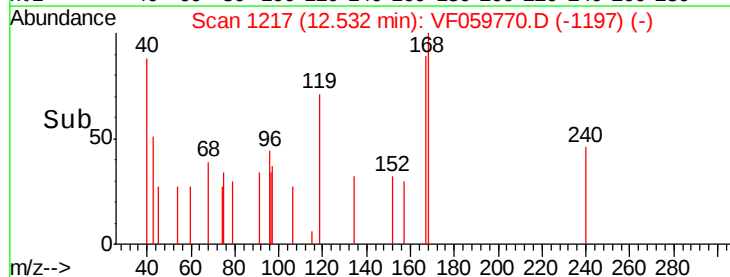
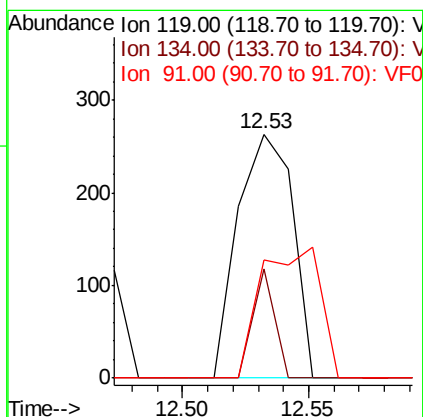
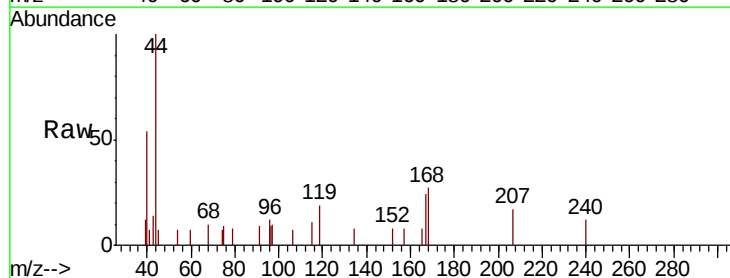
Instrument :
 MSVOA_F
 ClientSampleId :
 FK-GF-02-023-BRE

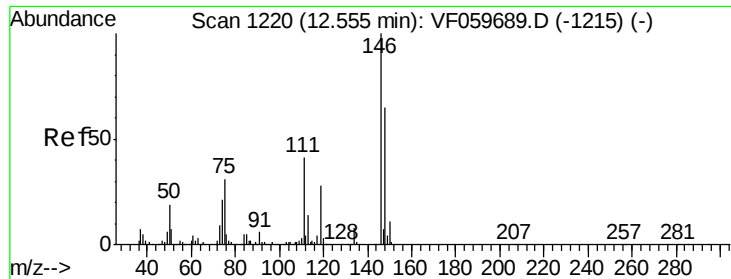
Tgt Ion:105 Resp: 87
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.3#



#86
 p-Isopropyltoluene
 Concen: Below Cal
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VF059770.D
 Acq: 1 Aug 2018 22:02

Tgt Ion:119 Resp: 399
 Ion Ratio Lower Upper
 119 100
 134 44.9 12.2 36.6#
 91 48.3 13.4 40.2#





#87

1,3-Dichlorobenzene

Concen: Below Cal

RT: 12.64 min Scan# 1228

Delta R.T. 0.09 min

Lab File: VF059770.D

Acq: 1 Aug 2018 22:02

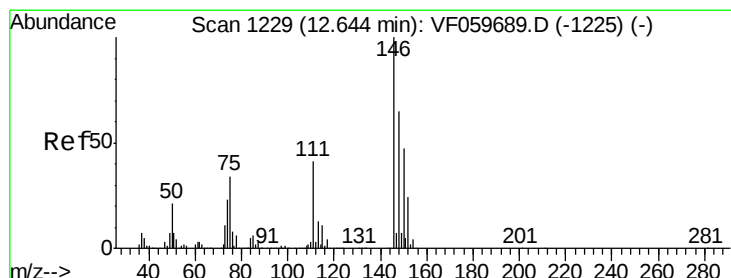
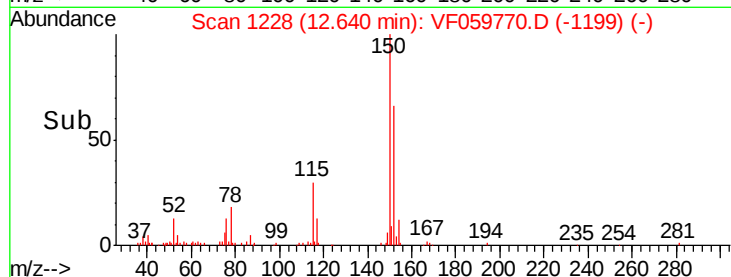
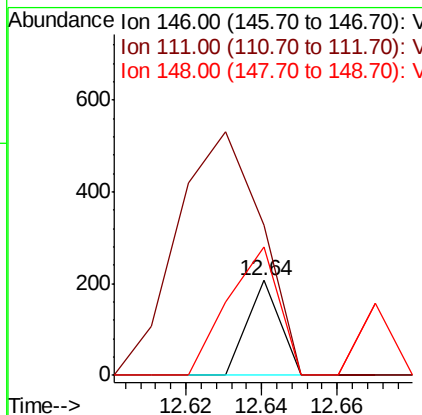
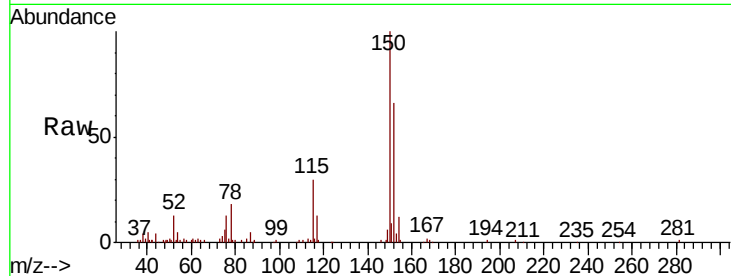
Instrument :

MSVOA_F

ClientSampleId :

FK-GF-02-023-BRE

Tgt Ion:	146	Resp:	122
Ion	Ratio	Lower	Upper
146	100		
111	158.5	20.7	62.1#
148	134.8	32.3	96.8#



#88

1,4-Dichlorobenzene

Concen: Below Cal

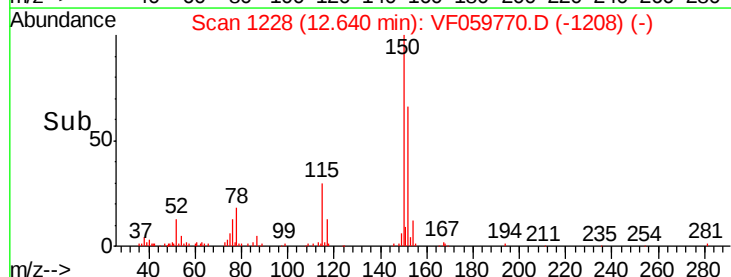
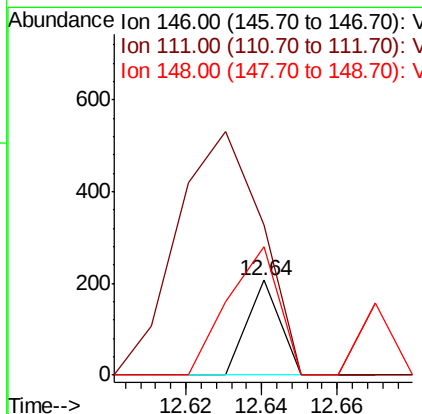
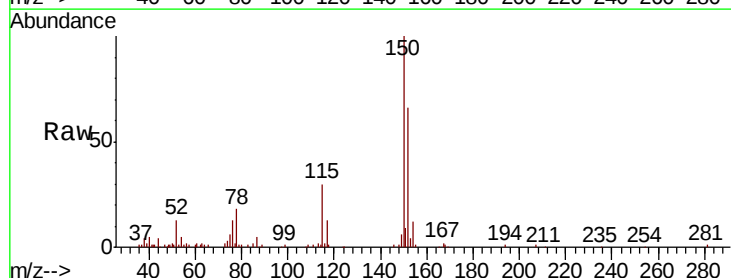
RT: 12.64 min Scan# 1228

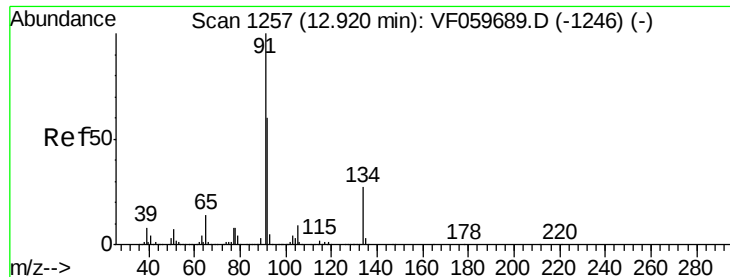
Delta R.T. -0.00 min

Lab File: VF059770.D

Acq: 1 Aug 2018 22:02

Tgt Ion:	146	Resp:	122
Ion	Ratio	Lower	Upper
146	100		
111	158.5	20.8	62.2#
148	134.8	32.3	96.9#

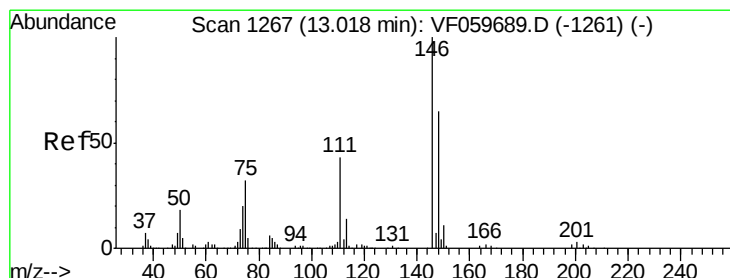
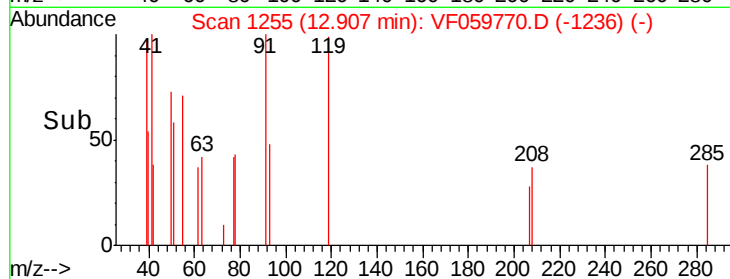
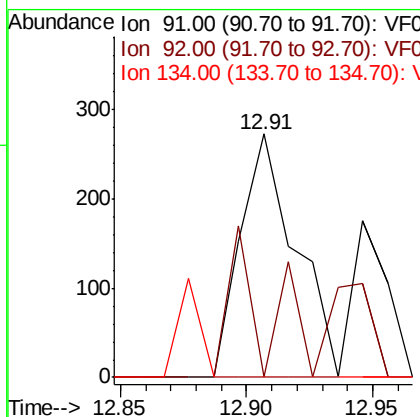
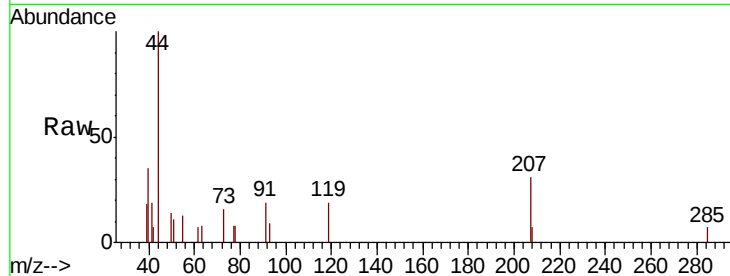




#89
n-Butylbenzene
Concen: Below Cal
RT: 12.91 min Scan# 1255
Delta R.T. -0.01 min
Lab File: VF059770.D
Acq: 1 Aug 2018 22:02

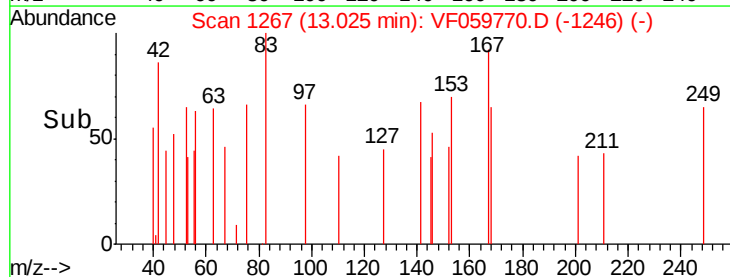
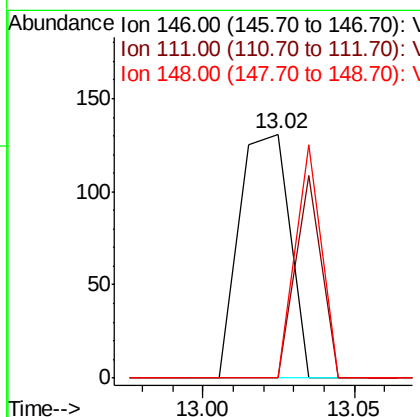
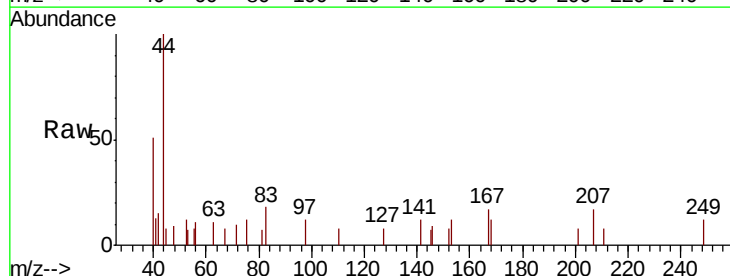
Instrument :
MSVOA_F
ClientSampleId :
FK-GF-02-023-BRE

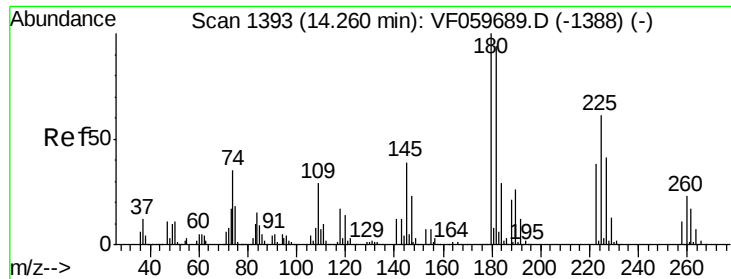
Tgt Ion: 91 Resp: 415
Ion Ratio Lower Upper
91 100
92 0.0 30.1 90.3#
134 0.0 13.7 41.0#



#91
1,2-Dichlorobenzene
Concen: Below Cal
RT: 13.02 min Scan# 1267
Delta R.T. 0.01 min
Lab File: VF059770.D
Acq: 1 Aug 2018 22:02

Tgt Ion: 146 Resp: 151
Ion Ratio Lower Upper
146 100
111 0.0 21.6 65.0#
148 0.0 32.3 96.9#

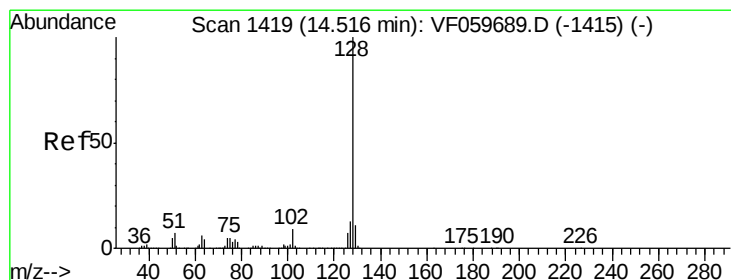
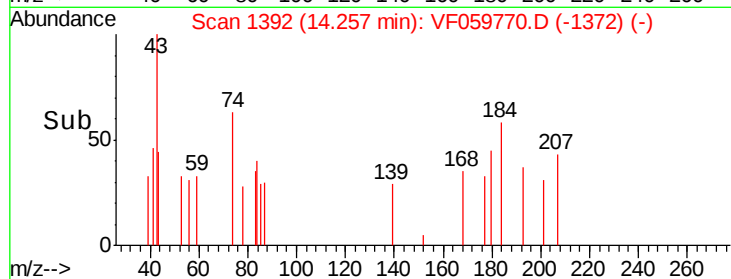
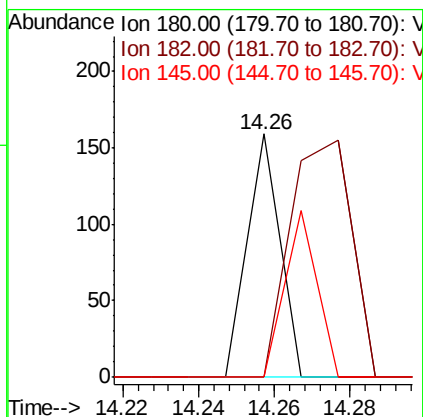
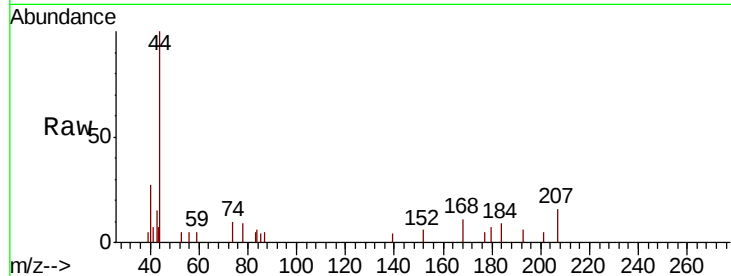




#93
 1,2,4-Trichlorobenzene
 Concen: Below Cal
 RT: 14.26 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VF059770.D
 Acq: 1 Aug 2018 22:02

Instrument :
 MSVOA_F
 ClientSampleId :
 FK-GF-02-023-BRE

Tgt Ion:180 Resp: 94
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.2 141.6#
 145 0.0 19.3 57.9#



#95
 Naphthalene
 Concen: 14.983 ug/l
 RT: 14.52 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VF059770.D
 Acq: 1 Aug 2018 22:02

Tgt Ion:128 Resp: 35176
 Ion Ratio Lower Upper
 128 100
 127 13.5 10.0 15.0
 129 11.7 8.6 13.0

