

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF080118\
 Data File : VF059784.D
 Acq On : 2 Aug 2018 6:13
 Operator : VA/AP
 Sample : J4241-01
 Misc : 6.92g/5mL/MSVOA_F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 FS-RO-226

Quant Time: Aug 02 07:51:04 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	203592	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	292577	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	229786	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	88629	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	149102	40.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.50%	
35) Dibromofluoromethane	4.29	113	127060	41.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.62%	
50) Toluene-d8	7.71	98	240303	33.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.82%	
62) 4-Bromofluorobenzene	11.52	95	83769	21.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.70%	

Target Compounds			Qvalue				
2) Dichlorodifluoromethane	0.98	85	366	Below Cal	#	44	
3) Chloromethane	1.11	50	414	Below Cal	#	38	
4) Vinyl Chloride	1.16	62	158	Below Cal	#	47	
5) Bromomethane	1.32	94	424	Below Cal	#	4	
6) Chloroethane	1.39	64	72	Below Cal	#	1	
10) Methyl Iodide	1.98	142	99	Below Cal	#	20	
11) Tert butyl alcohol	2.69	59	86	Below Cal	#	74	
13) Acrolein	2.08	56	193	18.402	ug/l #	1	
15) Acrylonitrile	3.08	53	222	1.002	ug/l #	90	
16) Acetone	2.34	43	3872	5.883	ug/l #	83	
17) Carbon Disulfide	1.89	76	131	Below Cal	#	1	
18) Methyl Acetate	2.46	43	937	Below Cal	#	64	
20) Methylene Chloride	2.27	84	7982	Below Cal	#	88	
21) trans-1,2-Dichloroethene	2.41	96	66	Below Cal	#	74	
31) Cyclohexane	3.83	56	75	Below Cal	#	15	
36) 1,1-Dichloropropene	4.45	75	167	Below Cal	#	46	
37) Ethyl Acetate	4.19	43	888	Below Cal	#	48	
39) Methylcyclohexane	5.70	83	161	Below Cal	#	13	
41) Methacrylonitrile	4.88	41	237	Below Cal	#	57	
44) Trichloroethene	5.67	130	3159	Below Cal		70	
49) 1,4-Dioxane	6.93	88	72	Below Cal	#	23	
52) Toluene	7.78	92	304	Below Cal		95	
64) Tetrachloroethene	8.30	164	128	Below Cal	#	67	
78) n-propylbenzene	11.69	91	249	Below Cal	#	54	
79) 2-Chlorotoluene	11.82	91	75	Below Cal	#	44	
80) 1,3,5-Trimethylbenzene	11.92	105	201	Below Cal	#	31	
82) 4-Chlorotoluene	11.98	91	76	Below Cal	#	44	
84) 1,2,4-Trimethylbenzene	12.29	105	332	Below Cal		78	
85) sec-Butylbenzene	12.38	105	85	Below Cal	#	57	
86) p-Isopropyltoluene	12.54	119	400	Below Cal	#	61	
87) 1,3-Dichlorobenzene	12.55	146	104	Below Cal	#	24	
88) 1,4-Dichlorobenzene	12.64	146	407	Below Cal	#	1	
89) n-Butylbenzene	12.92	91	395	Below Cal	#	29	
91) 1,2-Dichlorobenzene	13.02	146	62	Below Cal	#	37	

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

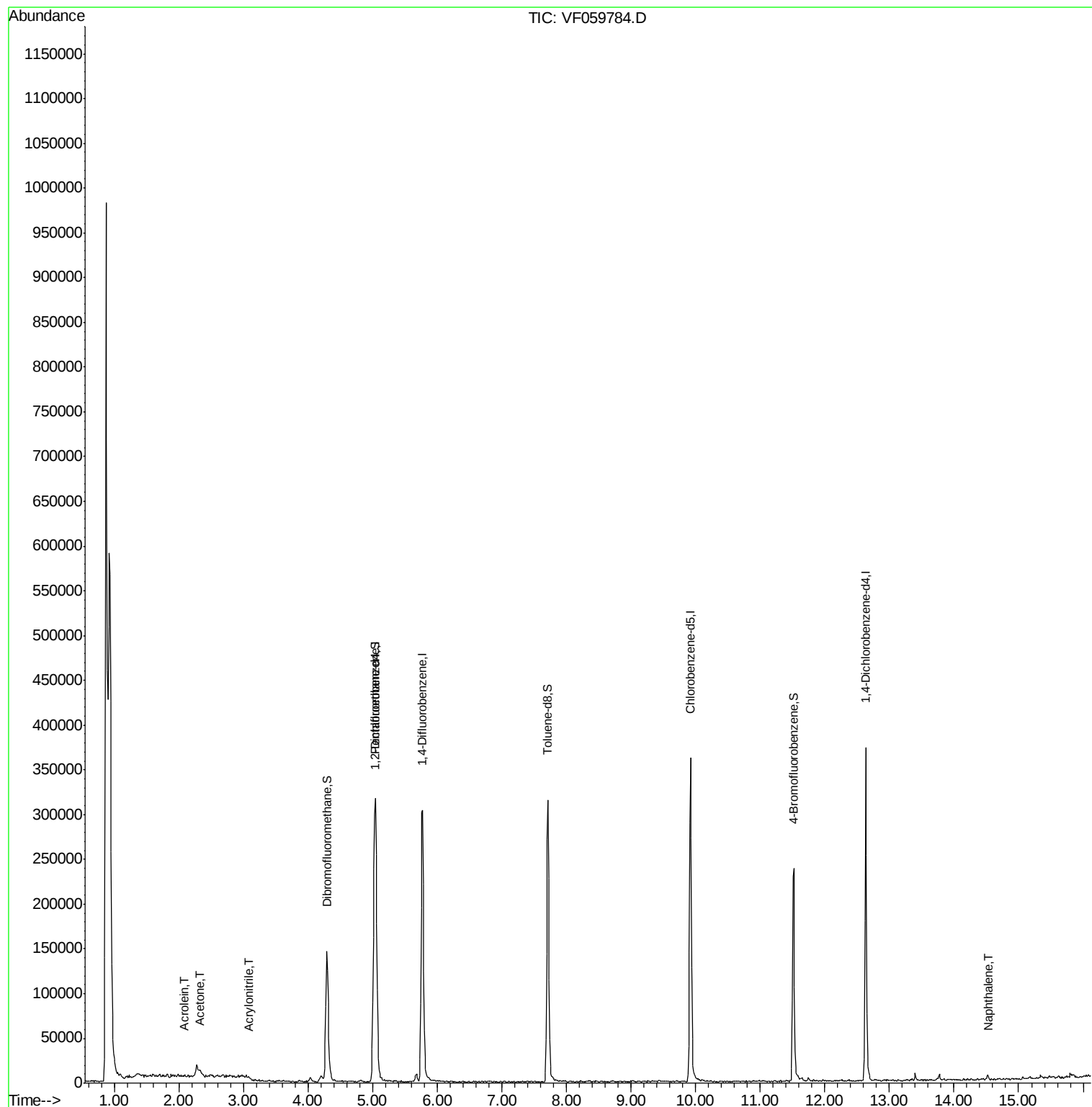
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	296	Below Cal	# 74
95) Naphthalene	14.52	128	3845	1.006 ug/l	# 83

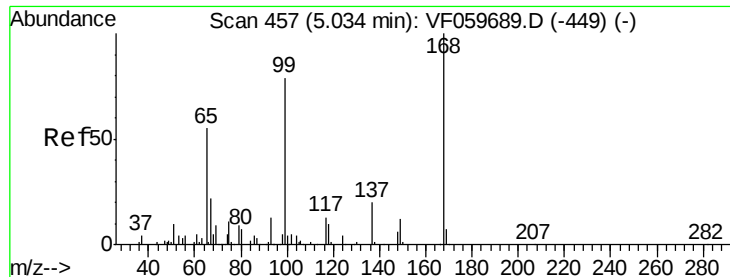
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF059784.D

Acq: 2 Aug 2018 6:13

Instrument :

MSVOA_F

ClientSampleId :

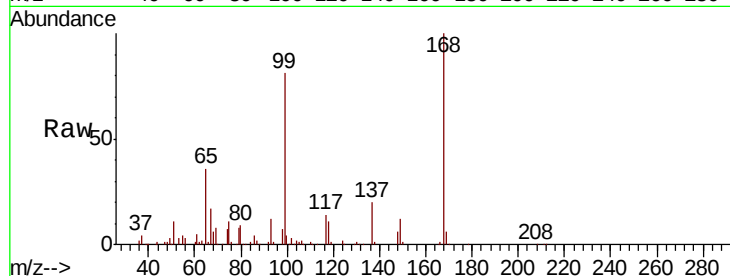
FS-RO-226

Tgt Ion:168 Resp: 203592

Ion Ratio Lower Upper

168 100

99 80.6 63.3 94.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

80000

60000

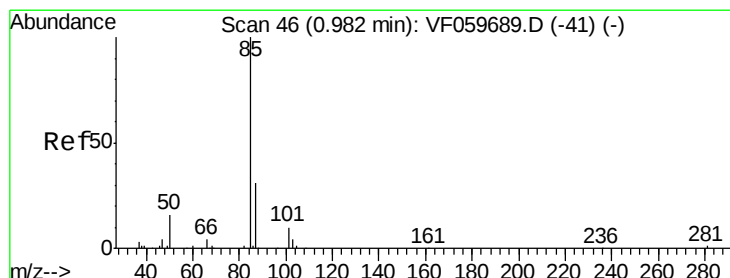
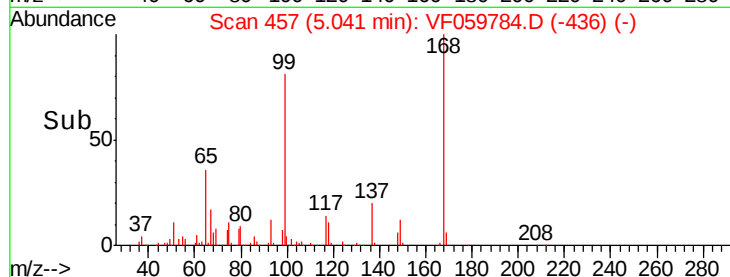
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.98 min Scan# 45

Delta R.T. -0.00 min

Lab File: VF059784.D

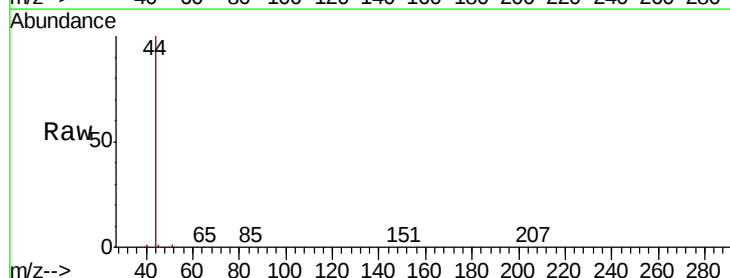
Acq: 2 Aug 2018 6:13

Tgt Ion: 85 Resp: 366

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

0.98

200

150

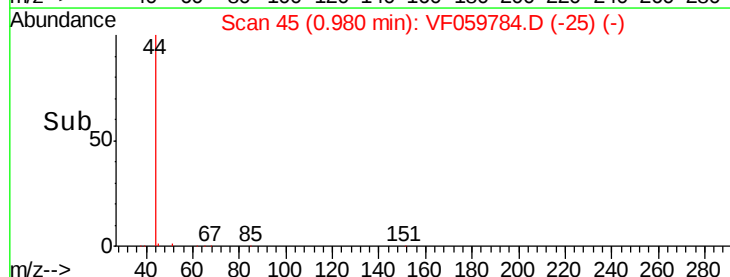
100

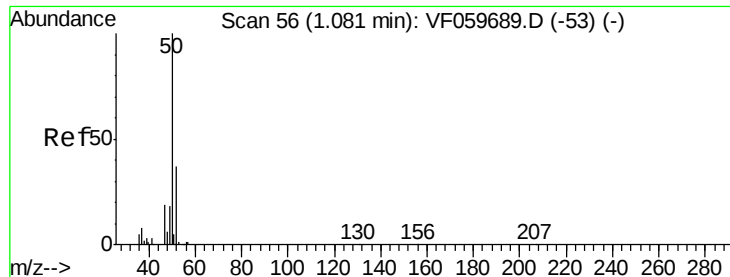
50

0

Time-->

0.95 1.00 1.05





#3

Chloromethane

Concen: Below Cal

RT: 1.11 min Scan# 58

Delta R.T. 0.03 min

Lab File: VF059784.D

Acq: 2 Aug 2018 6:13

Instrument :

MSVOA_F

ClientSampleId :

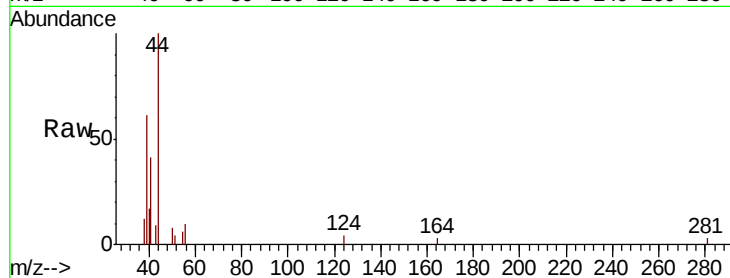
FS-RO-226

Tgt Ion: 50 Resp: 414

Ion Ratio Lower Upper

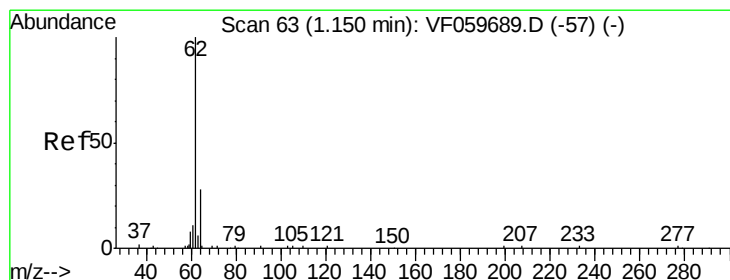
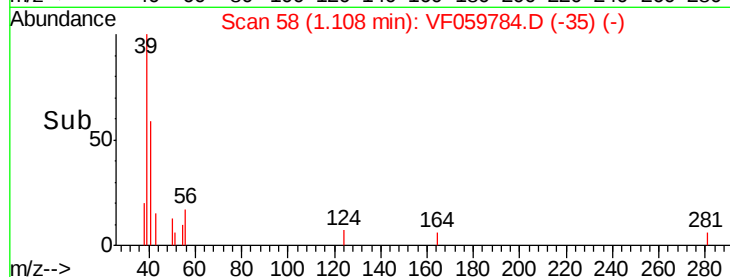
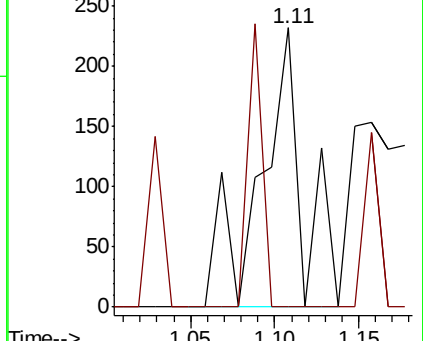
50 100

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: 1.16 min Scan# 63

Delta R.T. 0.01 min

Lab File: VF059784.D

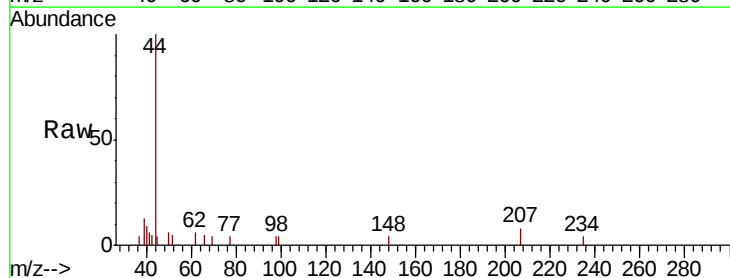
Acq: 2 Aug 2018 6:13

Tgt Ion: 62 Resp: 158

Ion Ratio Lower Upper

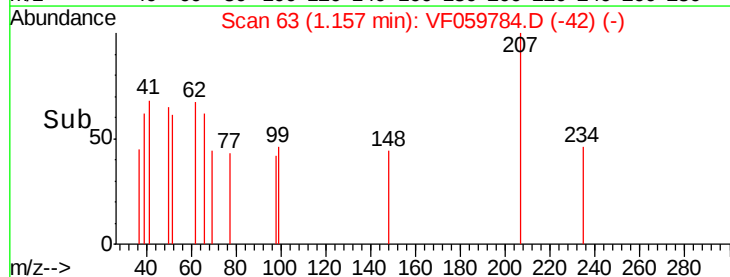
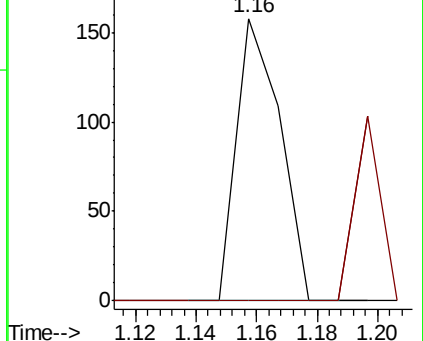
62 100

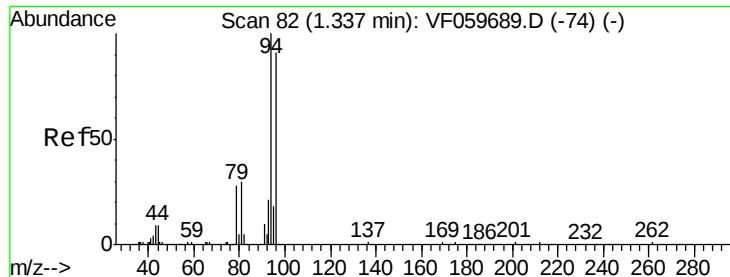
64 0.0 22.6 33.8#



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: 1.32 min Scan# 80

Delta R.T. -0.01 min

Lab File: VF059784.D

Acq: 2 Aug 2018 6:13

Instrument :

MSVOA_F

ClientSampleId :

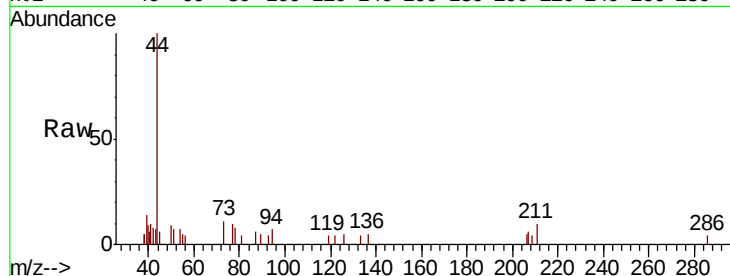
FS-RO-226

Tgt Ion: 94 Resp: 424

Ion Ratio Lower Upper

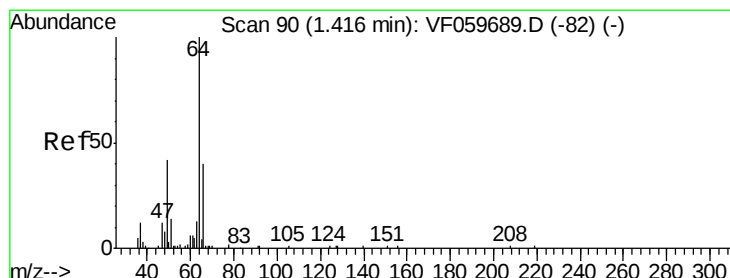
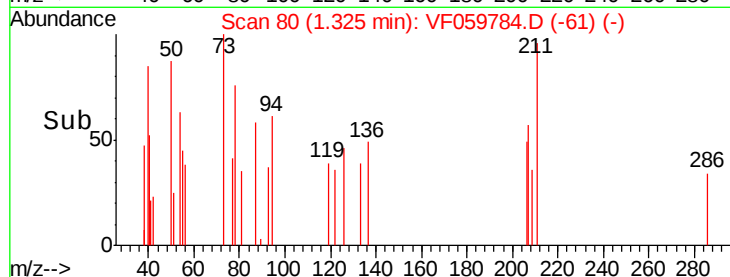
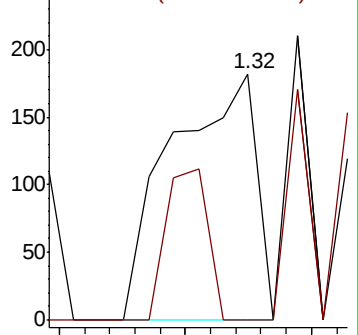
94 100

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: 1.39 min Scan# 87

Delta R.T. -0.02 min

Lab File: VF059784.D

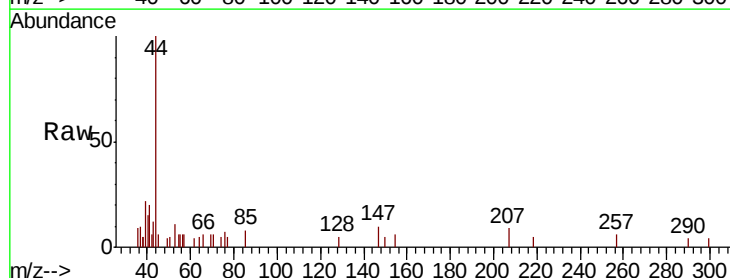
Acq: 2 Aug 2018 6:13

Tgt Ion: 64 Resp: 72

Ion Ratio Lower Upper

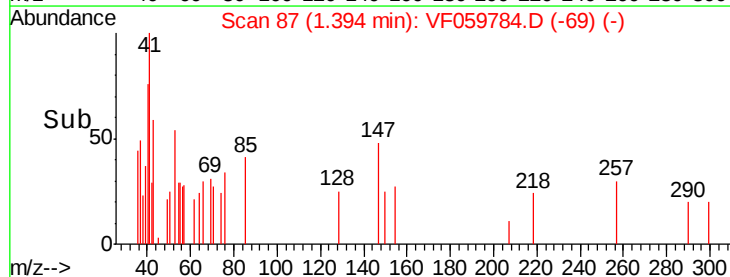
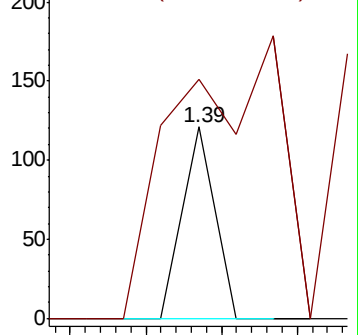
64 100

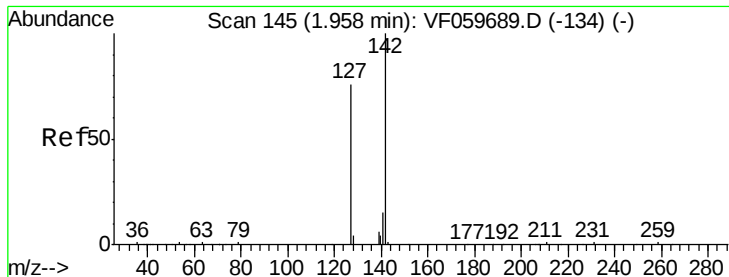
66 124.8 32.6 49.0#



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# 146

Delta R.T. 0.02 min

Lab File: VF059784.D

Acq: 2 Aug 2018 6:13

Instrument :

MSVOA_F

ClientSampleId :

FS-RO-226

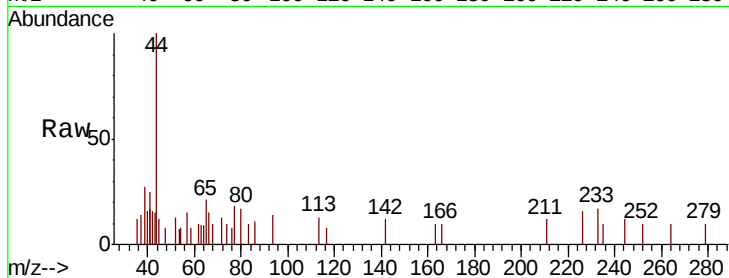
Tgt Ion: 142 Resp: 99

Ion Ratio Lower Upper

142 100

127 0.0 60.6 91.0#

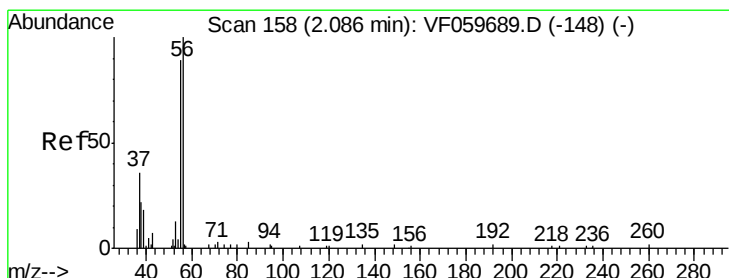
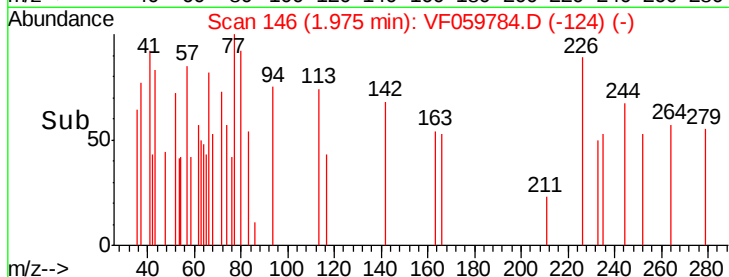
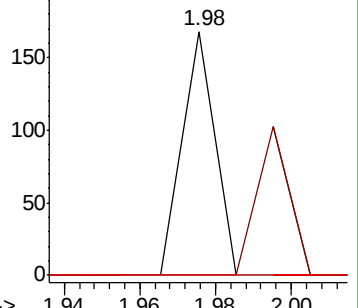
141 0.0 12.0 18.0#



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: 18.402 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.00 min

Lab File: VF059784.D

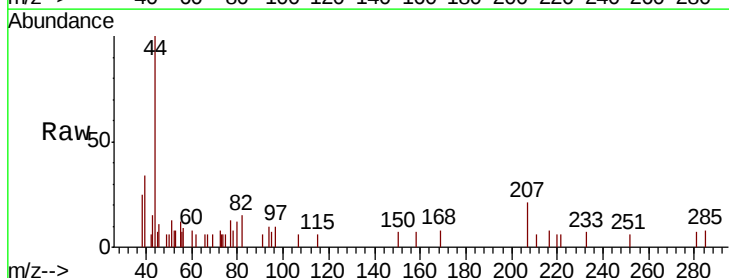
Acq: 2 Aug 2018 6:13

Tgt Ion: 56 Resp: 193

Ion Ratio Lower Upper

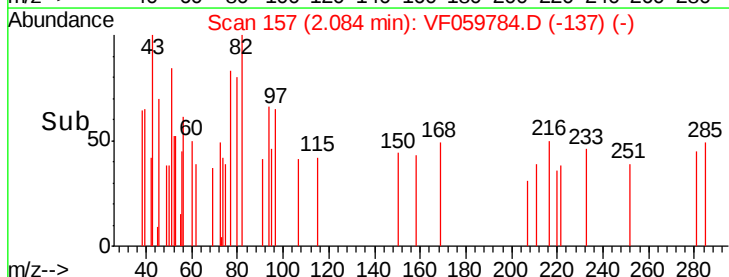
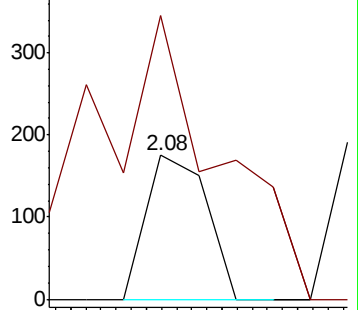
56 100

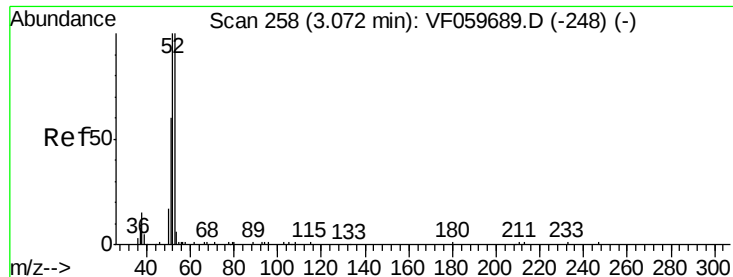
55 197.1 73.2 109.8#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0





#15

Acrylonitrile

Concen: 1.002 ug/l

RT: 3.08 min Scan# 258

Delta R.T. 0.01 min

Lab File: VF059784.D

Acq: 2 Aug 2018 6:13

Instrument :

MSVOA_F

ClientSampleId :

FS-RO-226

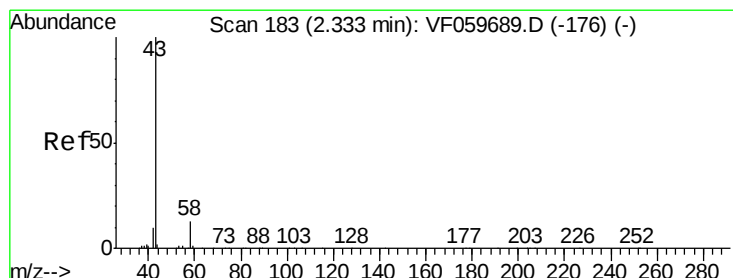
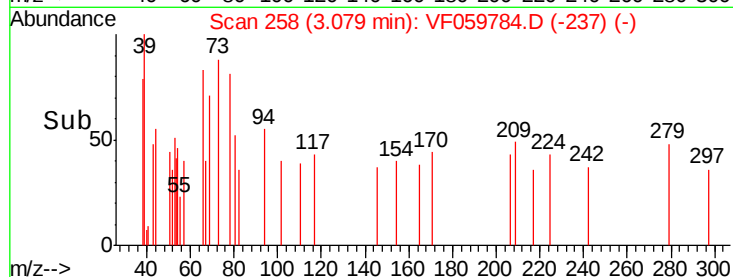
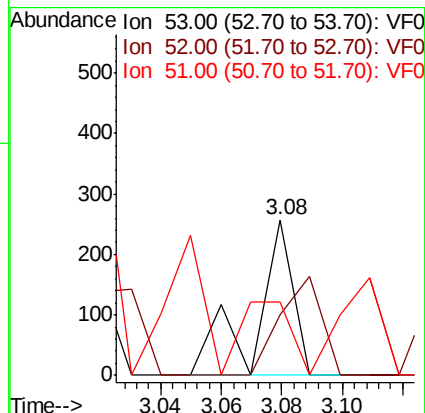
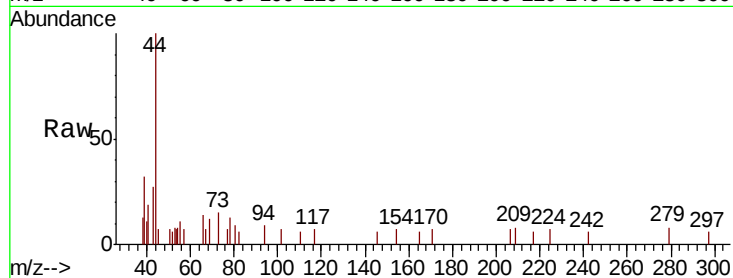
Tgt Ion: 53 Resp: 222

Ion Ratio Lower Upper

53 100

52 94.9 80.3 120.5

51 47.5 49.4 74.0#



#16

Acetone

Concen: 5.883 ug/l

RT: 2.34 min Scan# 183

Delta R.T. 0.01 min

Lab File: VF059784.D

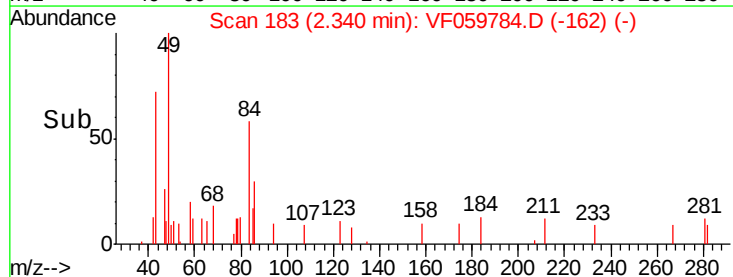
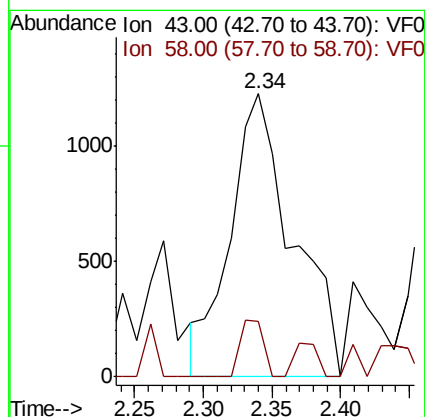
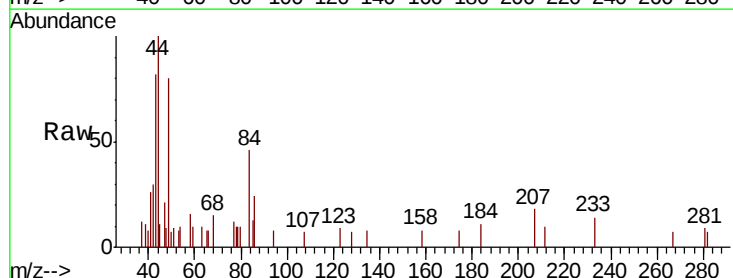
Acq: 2 Aug 2018 6:13

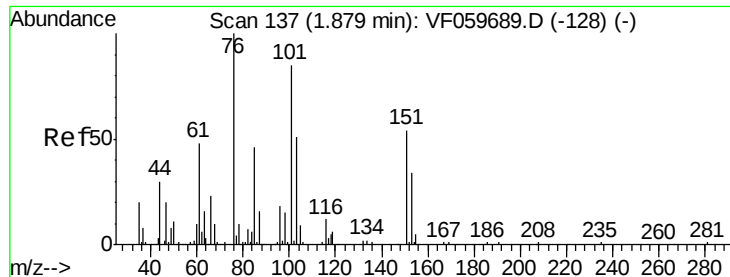
Tgt Ion: 43 Resp: 3872

Ion Ratio Lower Upper

43 100

58 19.5 10.1 15.1#

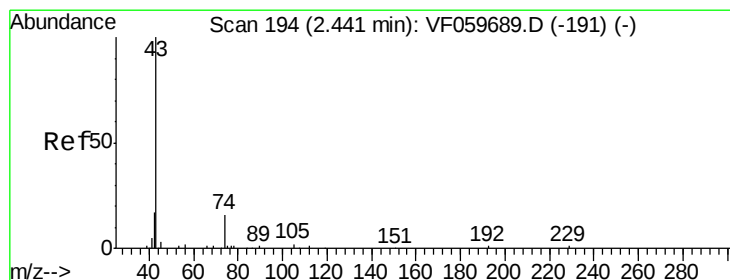
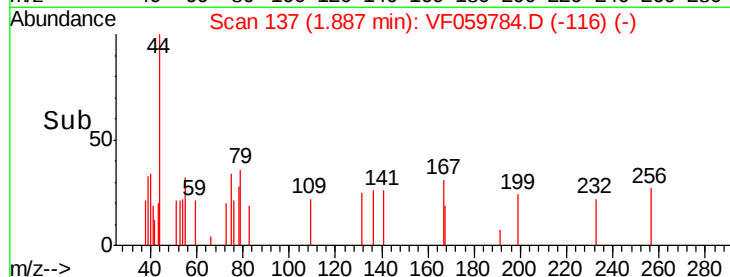
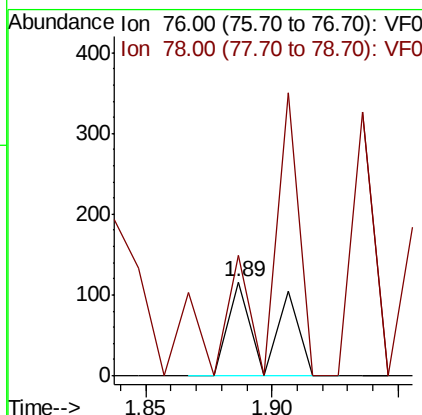
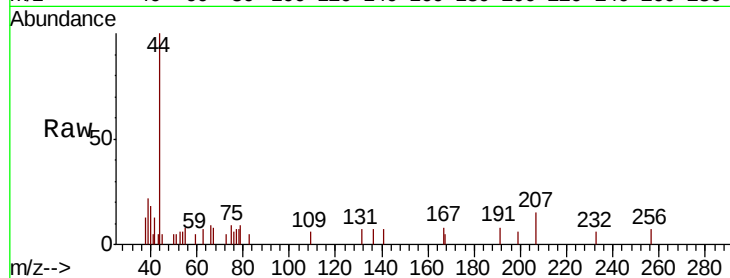




#17
Carbon Disulfide
Concen: Below Cal
RT: 1.89 min Scan# 137
Delta R.T. 0.01 min
Lab File: VF059784.D
Acq: 2 Aug 2018 6:13

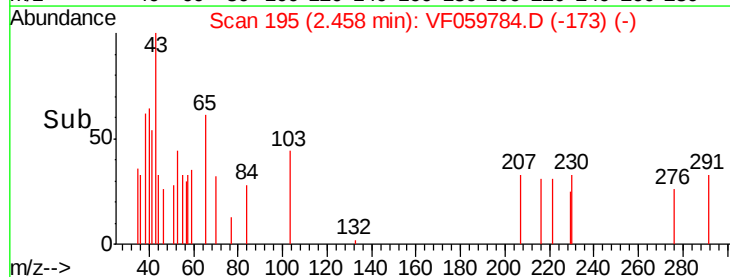
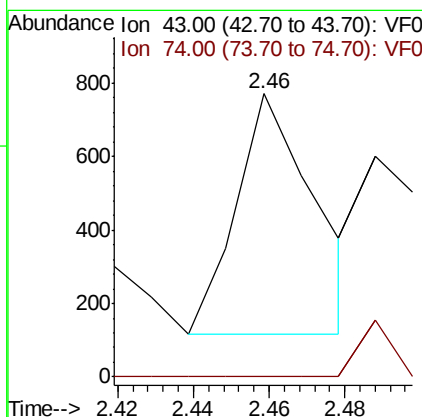
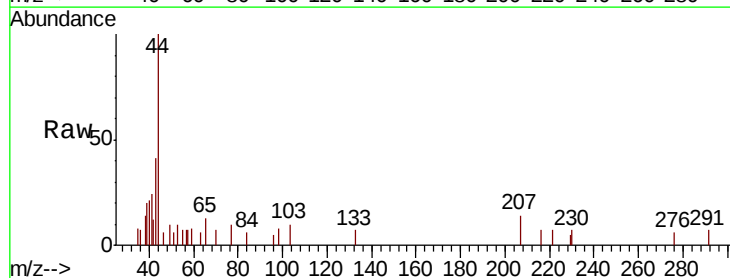
Instrument :
MSVOA_F
ClientSampleId :
FS-RO-226

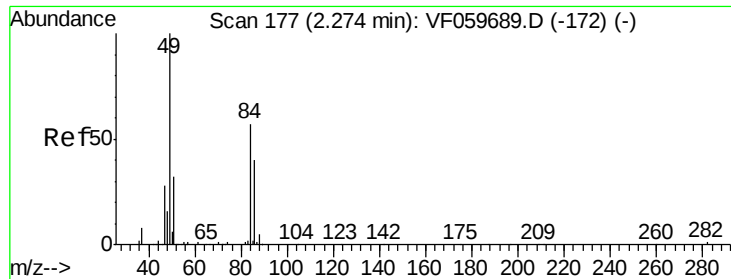
Tgt Ion: 76 Resp: 131
Ion Ratio Lower Upper
76 100
78 128.4 8.9 13.3#



#18
Methyl Acetate
Concen: Below Cal
RT: 2.46 min Scan# 195
Delta R.T. 0.02 min
Lab File: VF059784.D
Acq: 2 Aug 2018 6:13

Tgt Ion: 43 Resp: 937
Ion Ratio Lower Upper
43 100
74 0.0 11.8 17.6#

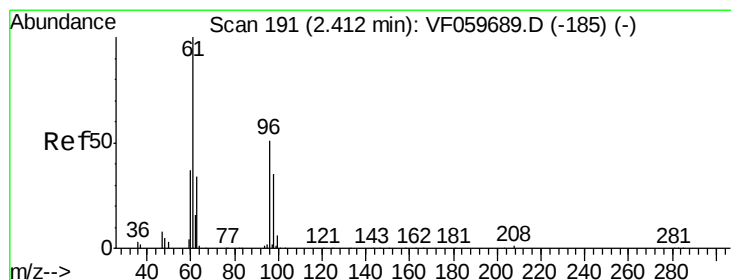
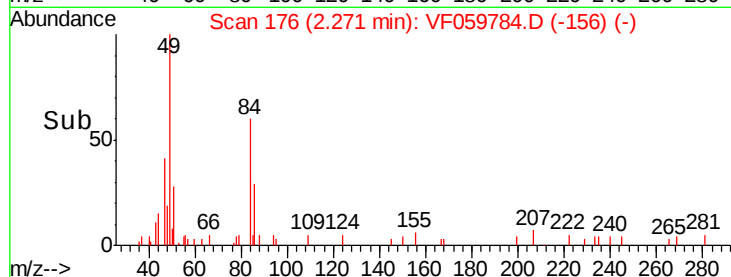
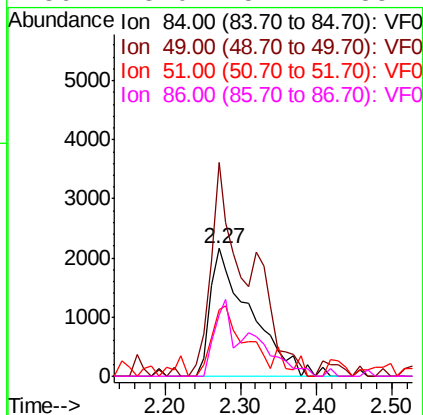
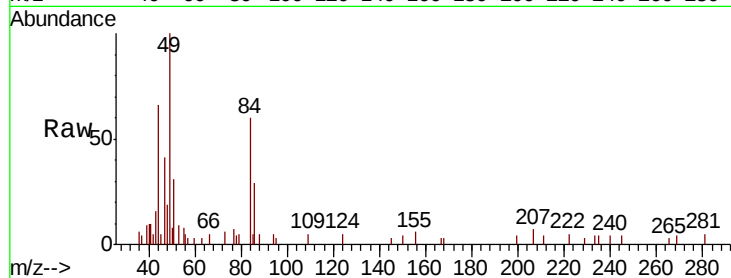




#20
Methylene Chloride
Concen: Below Cal
RT: 2.27 min Scan# 176
Delta R.T. -0.00 min
Lab File: VF059784.D
Acq: 2 Aug 2018 6:13

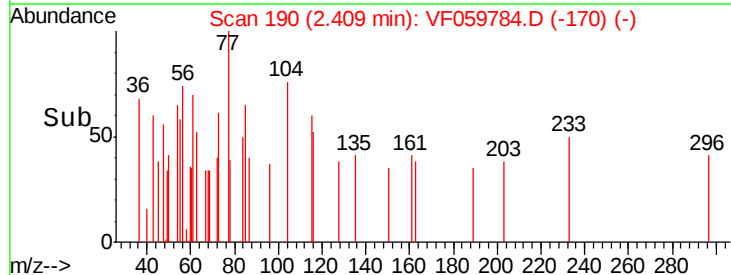
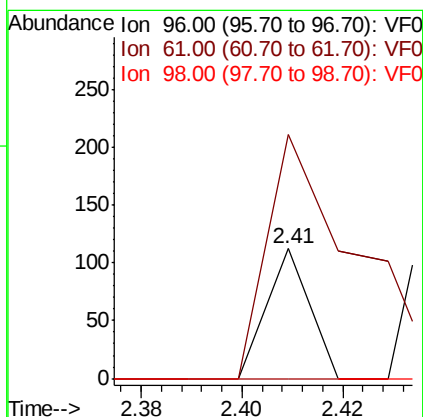
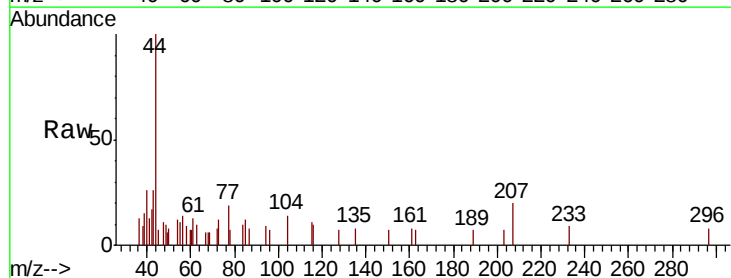
Instrument :
MSVOA_F
ClientSampleId :
FS-RO-226

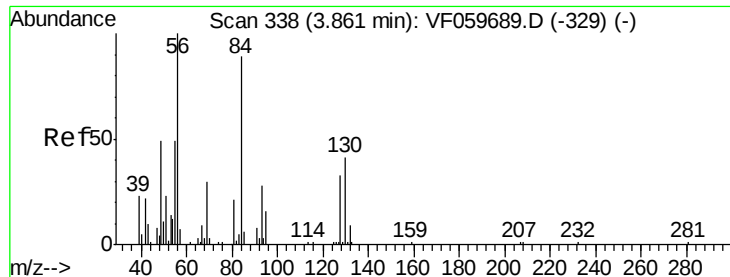
Tgt Ion: 84 Resp: 7982
Ion Ratio Lower Upper
84 100
49 167.0 142.2 213.4
51 51.8 46.2 69.2
86 48.0 57.1 85.7#



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 2.41 min Scan# 190
Delta R.T. -0.00 min
Lab File: VF059784.D
Acq: 2 Aug 2018 6:13

Tgt Ion: 96 Resp: 66
Ion Ratio Lower Upper
96 100
61 188.4 157.4 236.0
98 0.0 55.0 82.4#

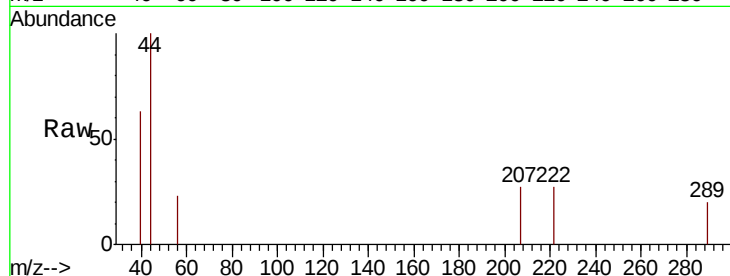




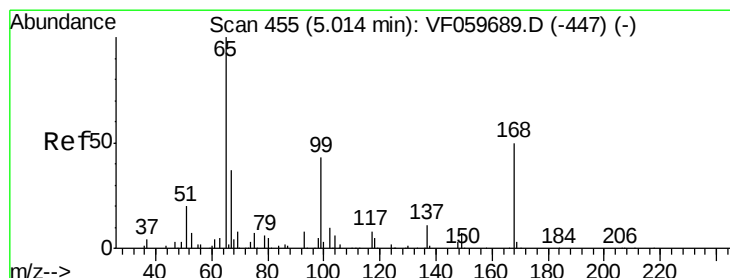
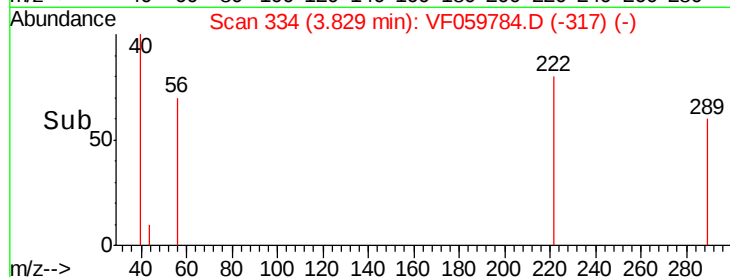
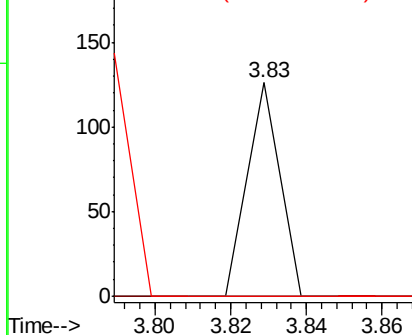
#31
Cyclohexane
Concen: Below Cal
RT: 3.83 min Scan# 334
Delta R.T. -0.03 min
Lab File: VF059784.D
Acq: 2 Aug 2018 6:13

Instrument :
MSVOA_F
ClientSampleId :
FS-RO-226

Tgt Ion: 56 Resp: 75
Ion Ratio Lower Upper
56 100
69 0.0 23.7 35.5#
84 0.0 71.1 106.7#

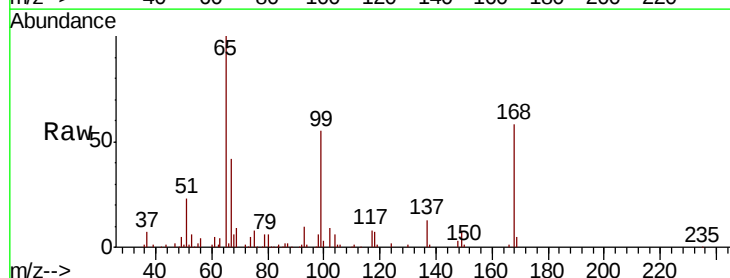


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

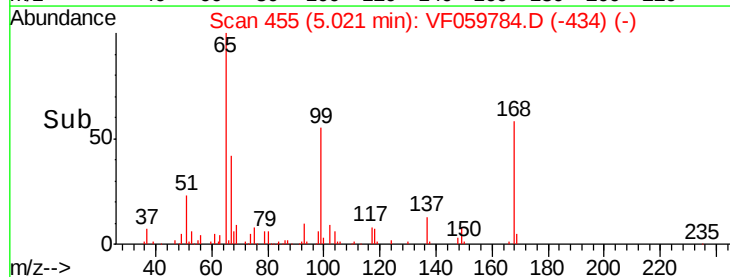
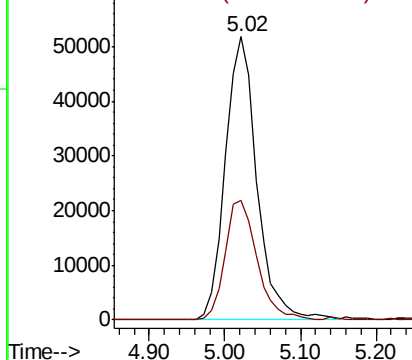


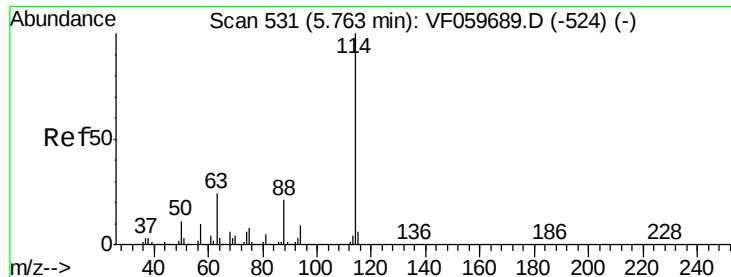
#33
1,2-Dichloroethane-d4
Concen: 40.750 ug/l
RT: 5.02 min Scan# 455
Delta R.T. 0.01 min
Lab File: VF059784.D
Acq: 2 Aug 2018 6:13

Tgt Ion: 65 Resp: 149102
Ion Ratio Lower Upper
65 100
67 42.3 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: 5.77 min Scan# 531

Delta R.T. 0.01 min

Lab File: VF059784.D

Acq: 2 Aug 2018 6:13

Instrument :

MSVOA_F

ClientSampleId :

FS-RO-226

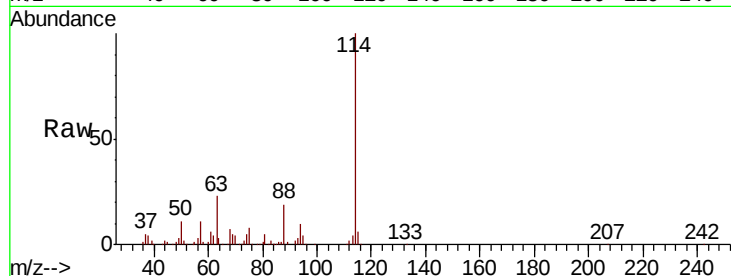
Tgt Ion:114 Resp: 292577

Ion Ratio Lower Upper

114 100

63 23.4 0.0 47.4

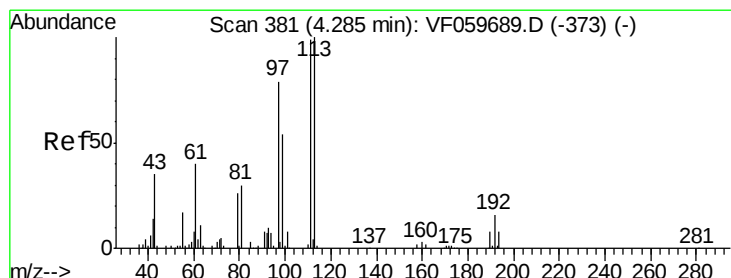
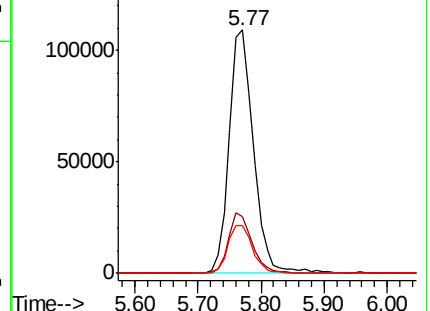
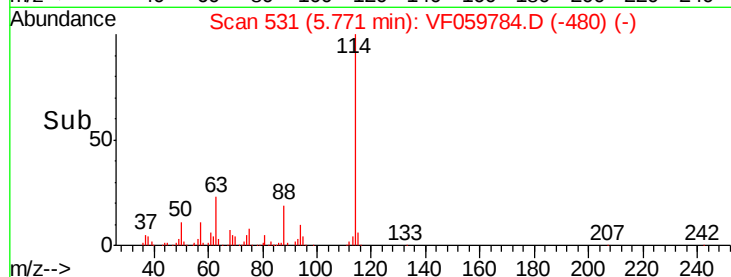
88 19.4 0.0 41.2



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: 41.812 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.01 min

Lab File: VF059784.D

Acq: 2 Aug 2018 6:13

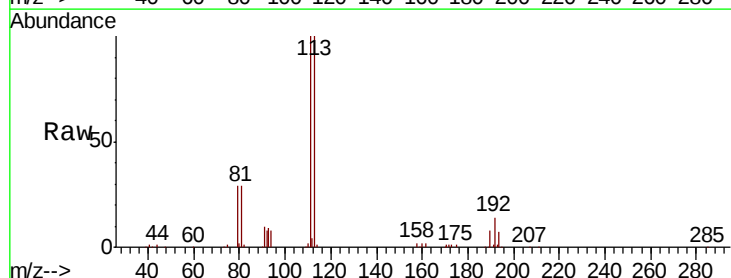
Tgt Ion:113 Resp: 127060

Ion Ratio Lower Upper

113 100

111 100.3 79.0 118.4

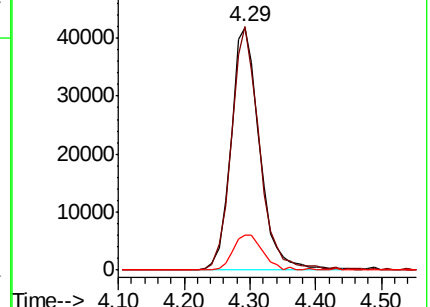
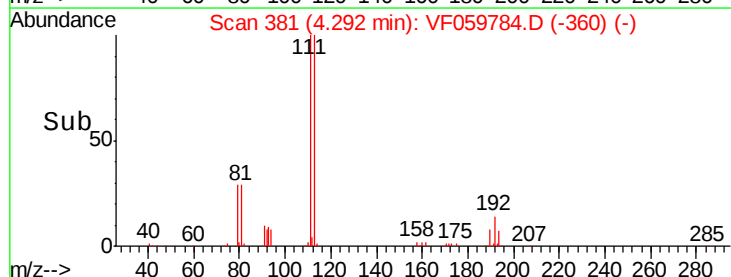
192 14.5 13.2 19.8

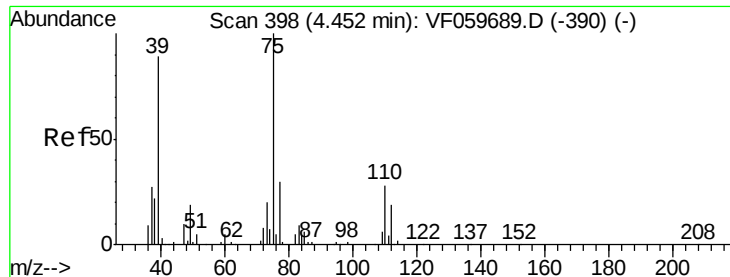


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

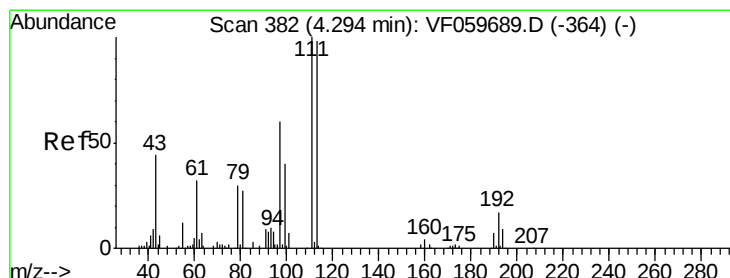
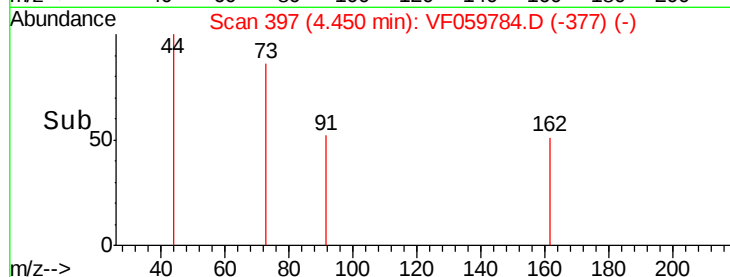
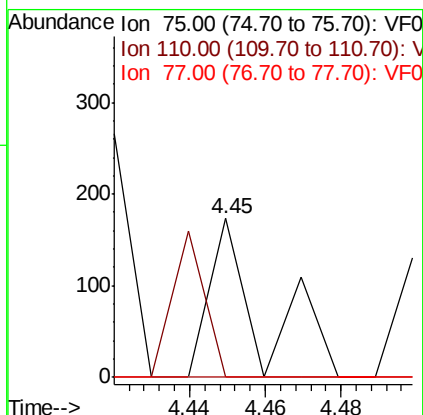
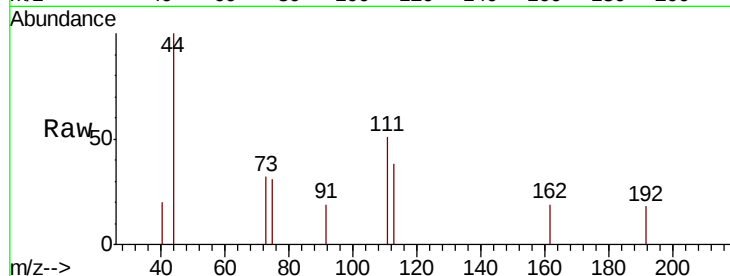




#36
1,1-Dichloropropene
Concen: Below Cal
RT: 4.45 min Scan# 397
Delta R.T. -0.00 min
Lab File: VF059784.D
Acq: 2 Aug 2018 6:13

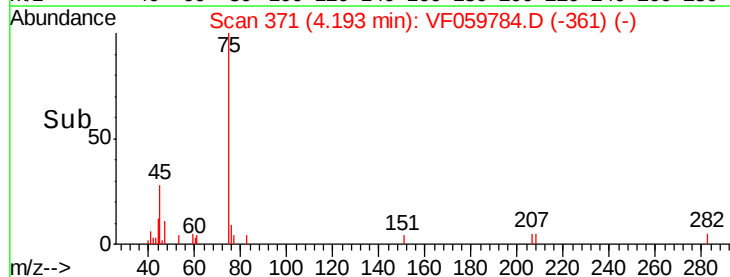
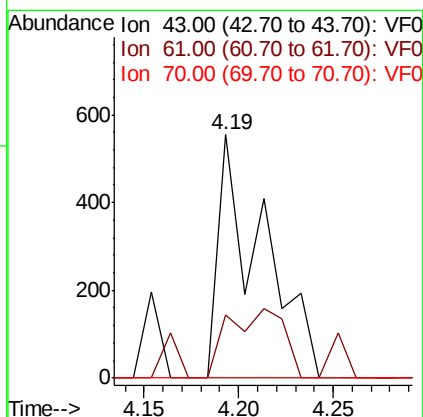
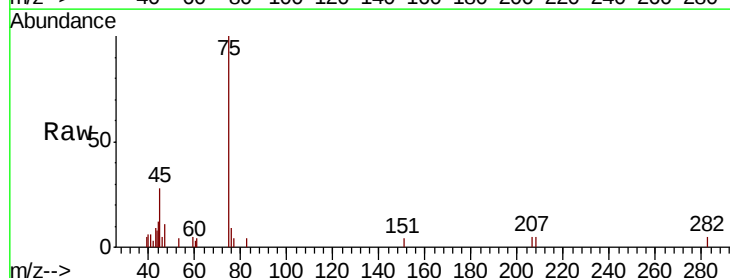
Instrument :
MSVOA_F
ClientSampleId :
FS-RO-226

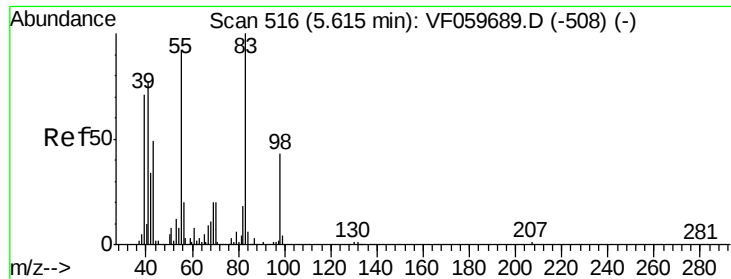
Tgt Ion: 75 Resp: 167
Ion Ratio Lower Upper
75 100
110 0.0 14.0 41.9#
77 0.0 24.2 36.2#



#37
Ethyl Acetate
Concen: Below Cal
RT: 4.19 min Scan# 371
Delta R.T. -0.10 min
Lab File: VF059784.D
Acq: 2 Aug 2018 6:13

Tgt Ion: 43 Resp: 888
Ion Ratio Lower Upper
43 100
61 26.1 58.2 87.2#
70 0.0 6.0 9.0#

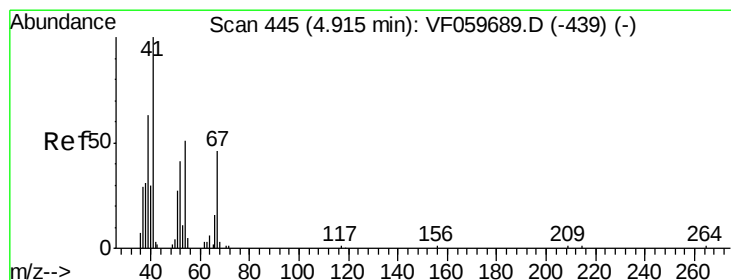
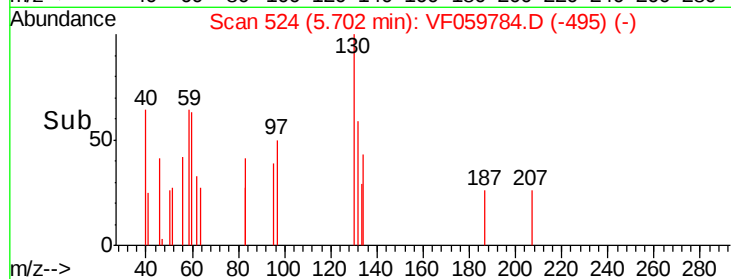
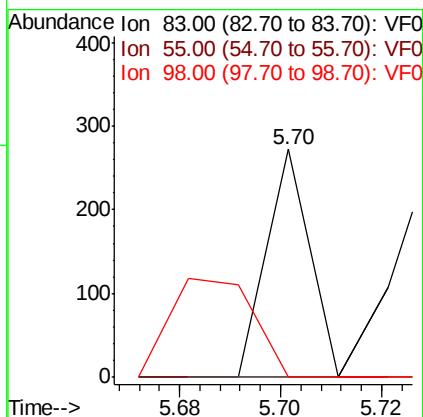
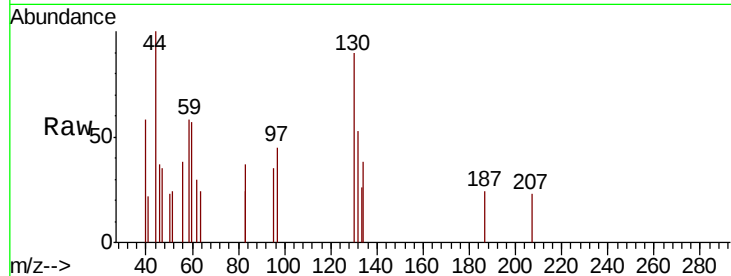




#39
Methylcyclohexane
Concen: Below Cal
RT: 5.70 min Scan# 524
Delta R.T. 0.09 min
Lab File: VF059784.D
Acq: 2 Aug 2018 6:13

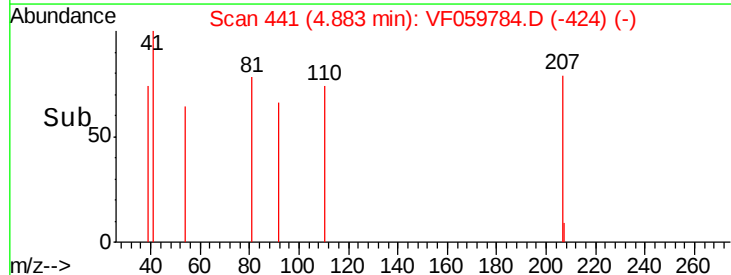
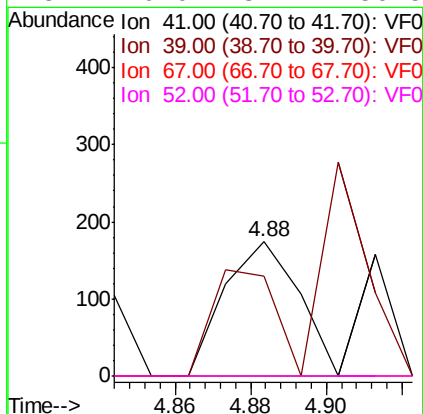
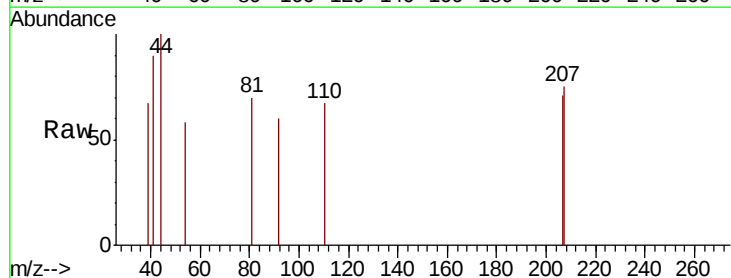
Instrument :
MSVOA_F
ClientSampleId :
FS-RO-226

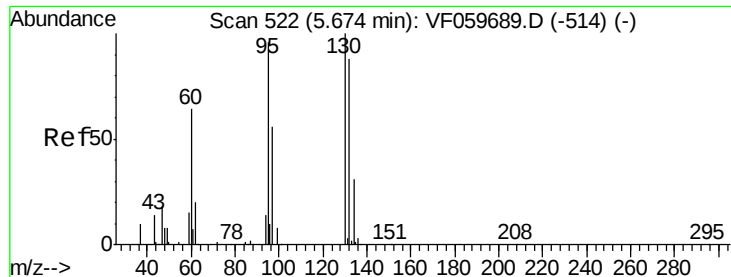
Tgt Ion: 83 Resp: 161
Ion Ratio Lower Upper
83 100
55 0.0 73.4 110.2#
98 0.0 34.2 51.4#



#41
Methacrylonitrile
Concen: Below Cal
RT: 4.88 min Scan# 441
Delta R.T. -0.03 min
Lab File: VF059784.D
Acq: 2 Aug 2018 6:13

Tgt Ion: 41 Resp: 237
Ion Ratio Lower Upper
41 100
39 74.1 55.2 82.8
67 0.0 36.2 54.2#
52 0.0 37.7 56.5#

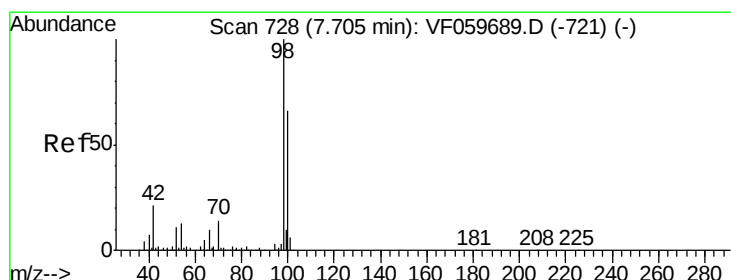
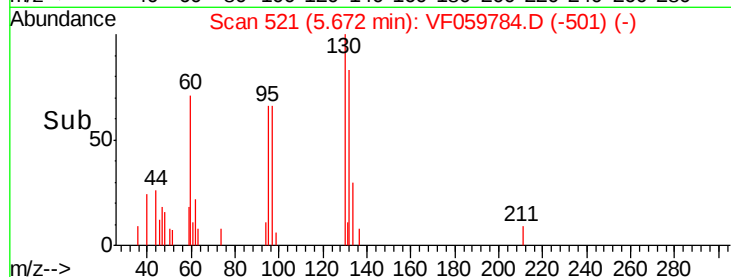
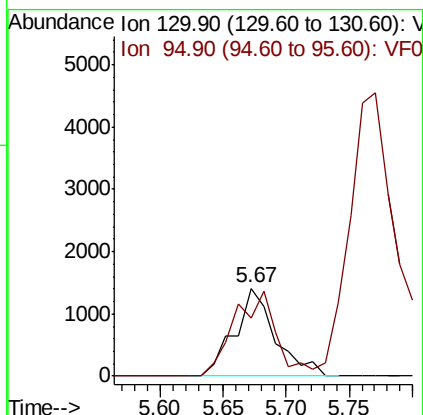
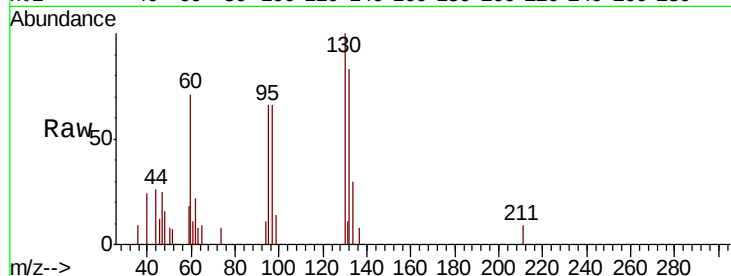




#44
 Trichloroethene
 Concen: Below Cal
 RT: 5.67 min Scan# 521
 Delta R.T. -0.00 min
 Lab File: VF059784.D
 Acq: 2 Aug 2018 6:13

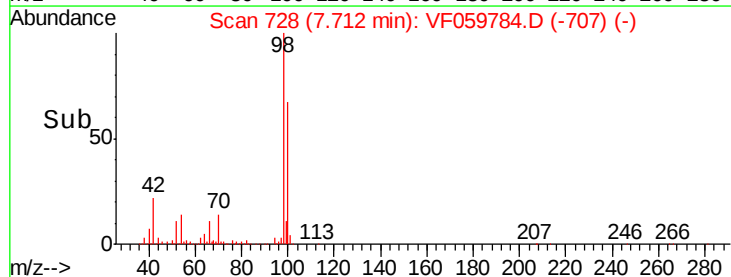
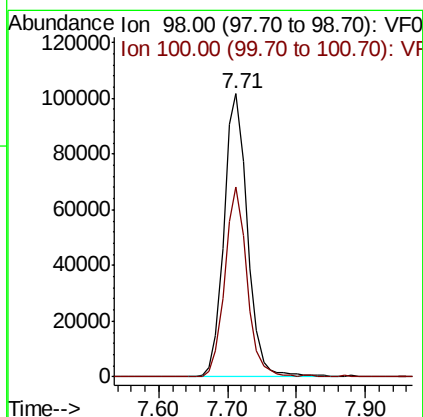
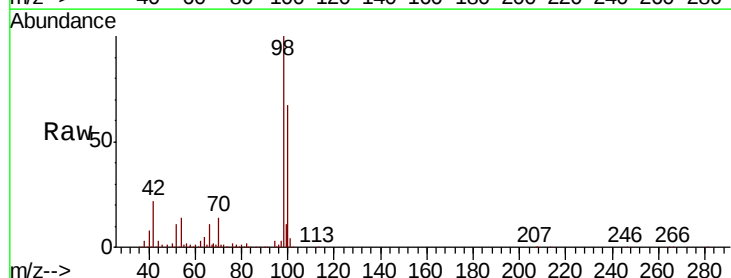
Instrument :
 MSVOA_F
 ClientSampleId :
 FS-RO-226

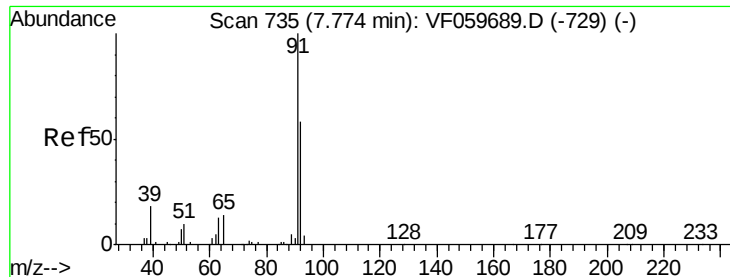
Tgt Ion:130 Resp: 3159
 Ion Ratio Lower Upper
 130 100
 95 66.1 0.0 191.0



#50
 Toluene-d8
 Concen: 33.910 ug/l
 RT: 7.71 min Scan# 728
 Delta R.T. 0.01 min
 Lab File: VF059784.D
 Acq: 2 Aug 2018 6:13

Tgt Ion: 98 Resp: 240303
 Ion Ratio Lower Upper
 98 100
 100 67.1 52.8 79.2





#52

Toluene

Concen: Below Cal

RT: 7.78 min Scan# 735

Delta R.T. 0.01 min

Lab File: VF059784.D

Acq: 2 Aug 2018 6:13

Instrument :

MSVOA_F

ClientSampleId :

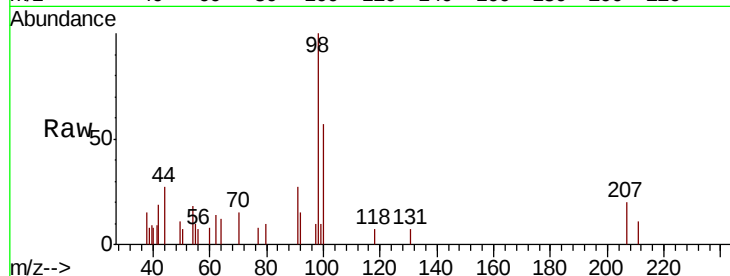
FS-RO-226

Tgt Ion: 92 Resp: 304

Ion Ratio Lower Upper

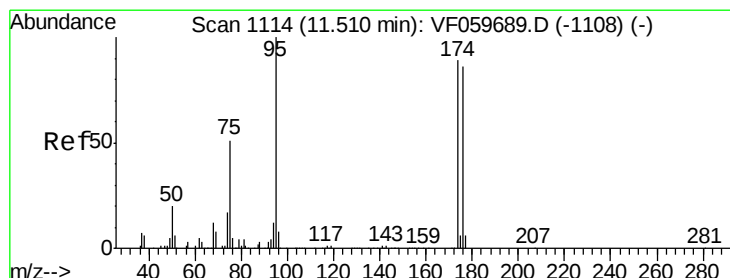
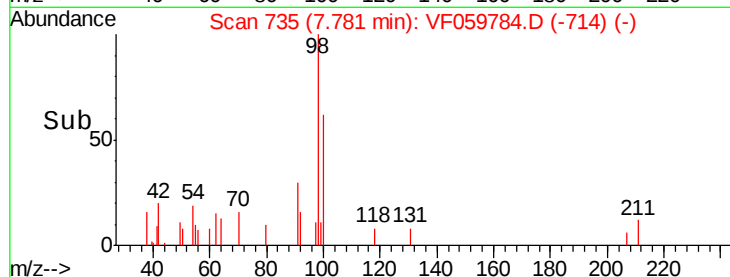
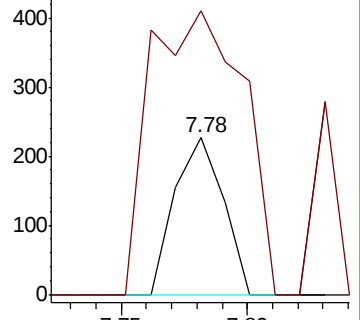
92 100

91 180.6 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#62

4-Bromofluorobenzene

Concen: 21.353 ug/l

RT: 11.52 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VF059784.D

Acq: 2 Aug 2018 6:13

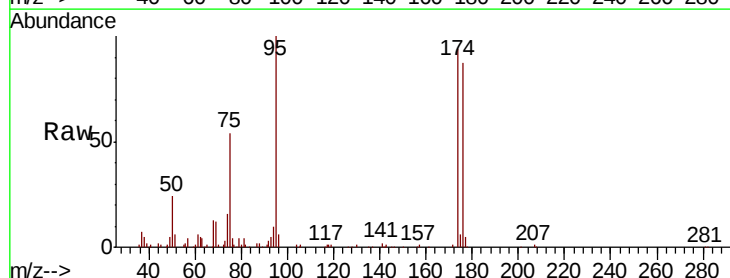
Tgt Ion: 95 Resp: 83769

Ion Ratio Lower Upper

95 100

174 94.0 0.0 178.4

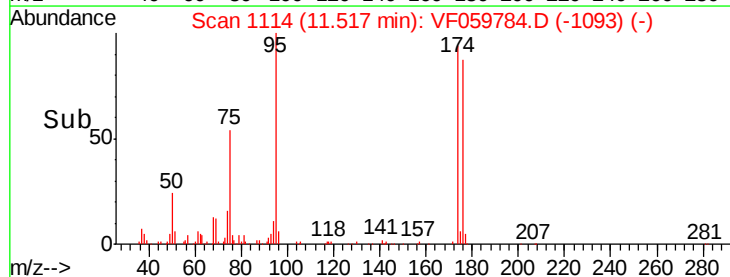
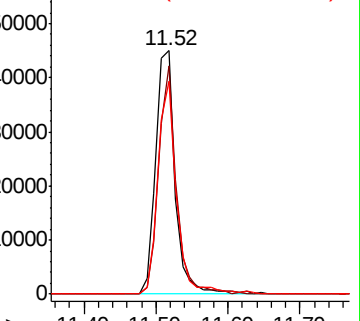
176 87.2 0.0 173.0

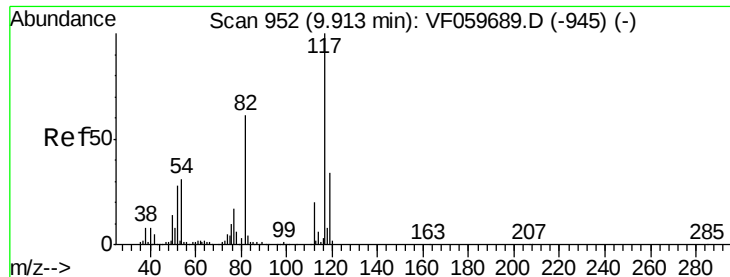


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

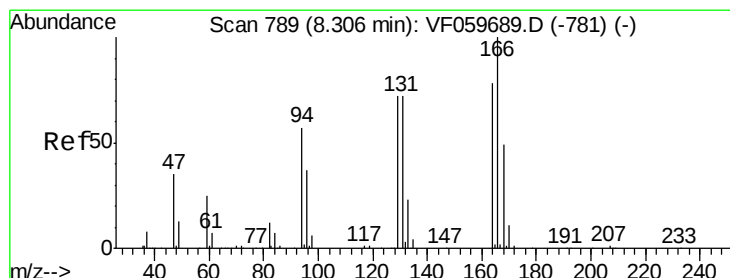
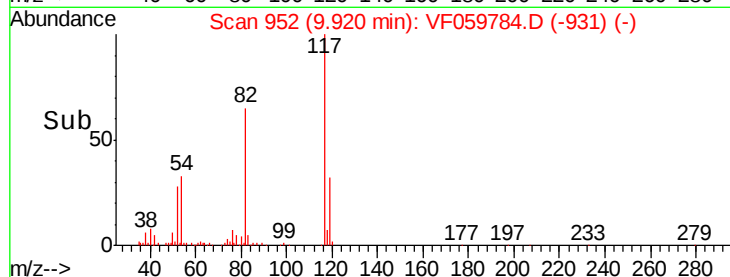
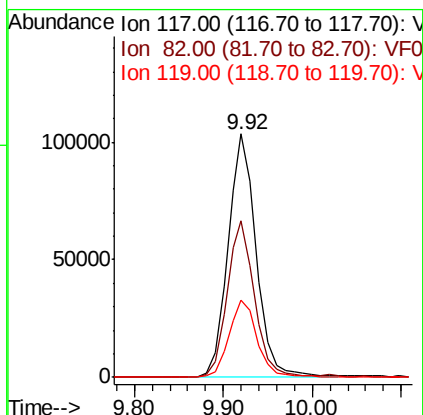
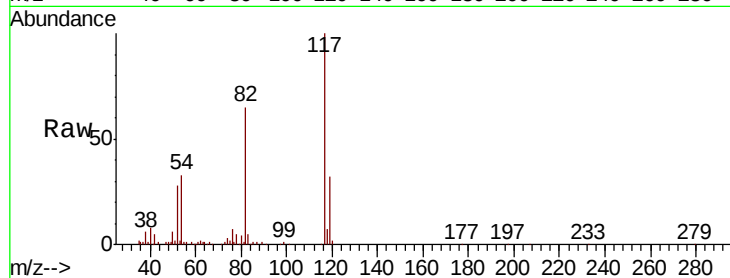




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.01 min
Lab File: VF059784.D
Acq: 2 Aug 2018 6:13

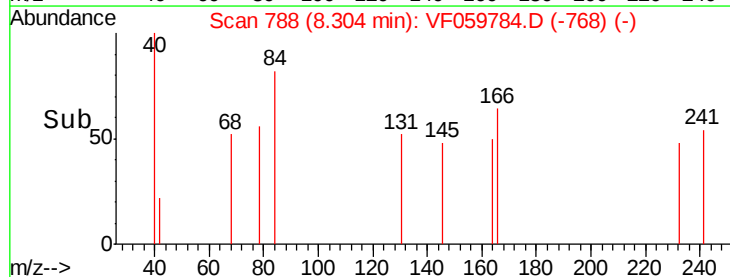
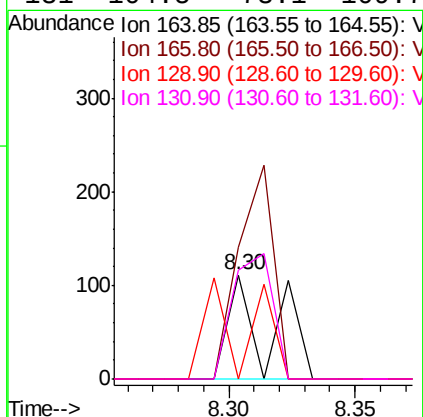
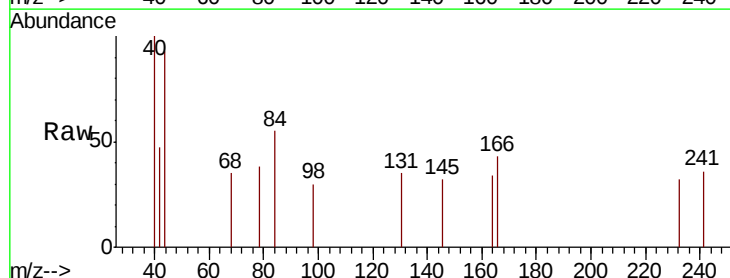
Instrument :
MSVOA_F
ClientSampleId :
FS-RO-226

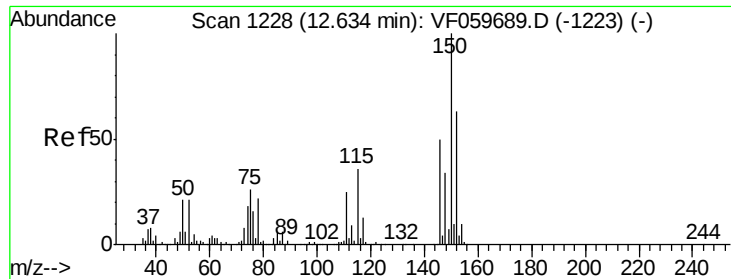
Tgt Ion	Ratio	Lower	Upper
117	100		
82	64.5	49.0	73.4
119	31.5	27.3	40.9



#64
Tetrachloroethene
Concen: Below Cal
RT: 8.30 min Scan# 788
Delta R.T. -0.00 min
Lab File: VF059784.D
Acq: 2 Aug 2018 6:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	102.1	153.1
129	0.0	73.8	110.6
131	104.5	73.1	109.7



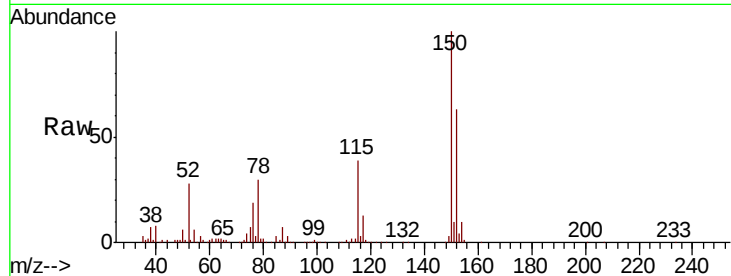


#72

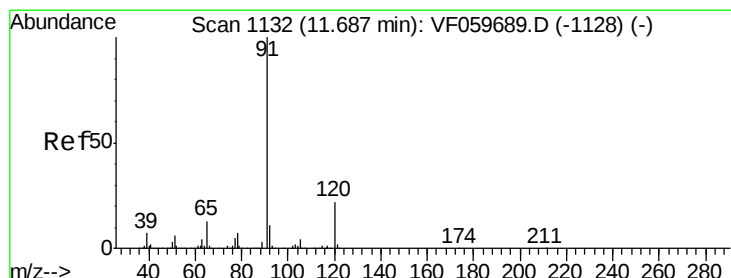
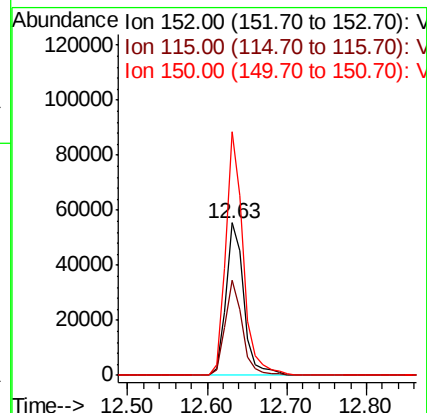
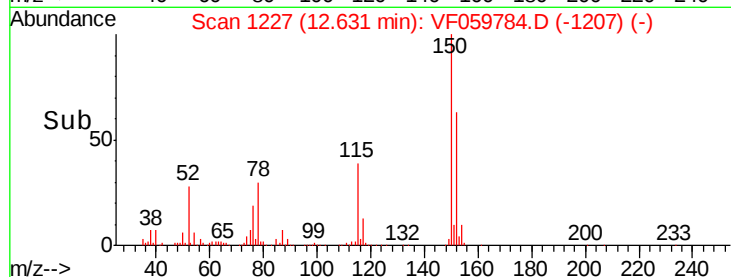
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.00 min
Lab File: VF059784.D
Acq: 2 Aug 2018 6:13

Instrument :
MSVOA_F
ClientSampleId :
FS-RO-226

Tgt Ion:152 Resp: 88629
Ion Ratio Lower Upper
152 100
115 62.3 28.2 84.6
150 159.9 0.0 316.2



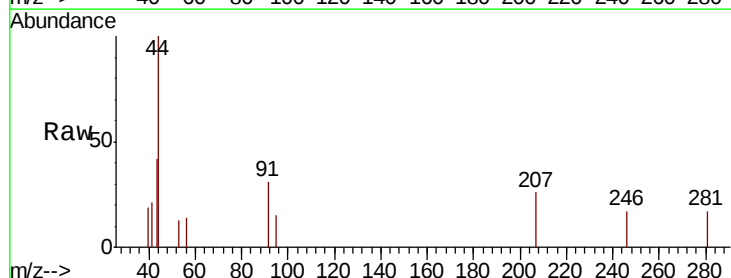
Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



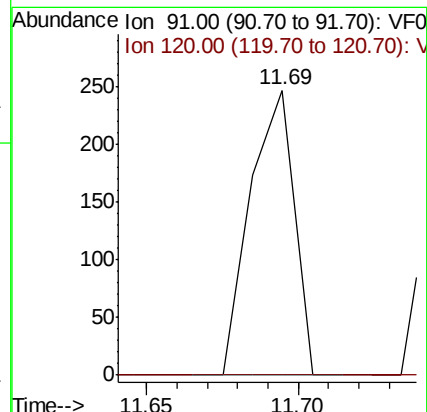
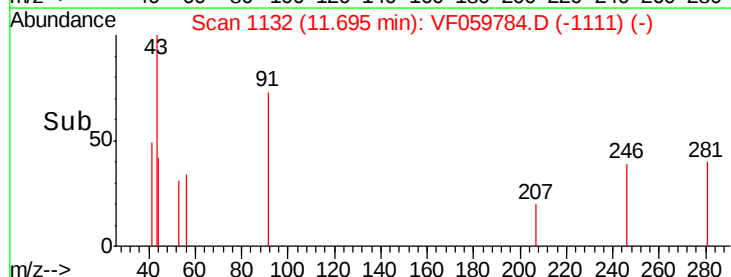
#78

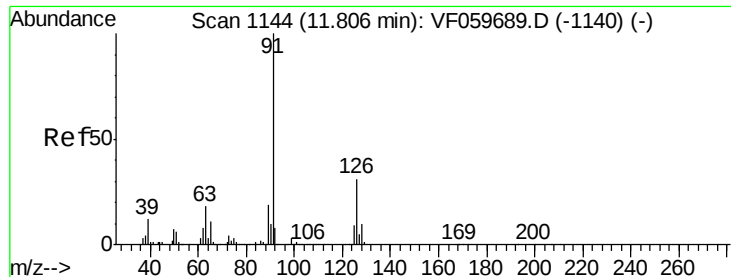
n-propylbenzene
Concen: Below Cal
RT: 11.69 min Scan# 1132
Delta R.T. 0.01 min
Lab File: VF059784.D
Acq: 2 Aug 2018 6:13

Tgt Ion: 91 Resp: 249
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: 11.82 min Scan# 1145

Delta R.T. 0.02 min

Lab File: VF059784.D

Acq: 2 Aug 2018 6:13

Instrument :

MSVOA_F

ClientSampleId :

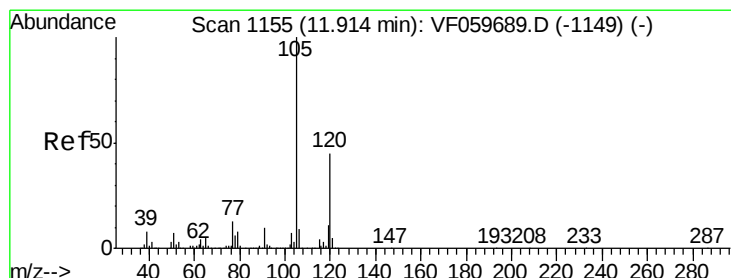
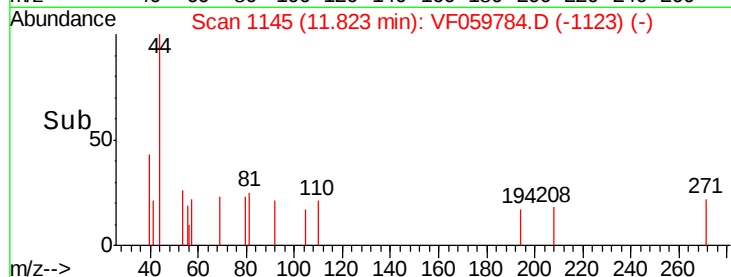
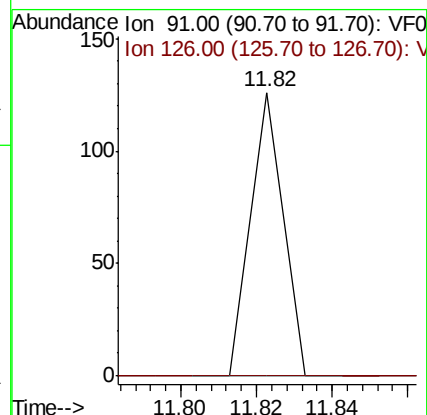
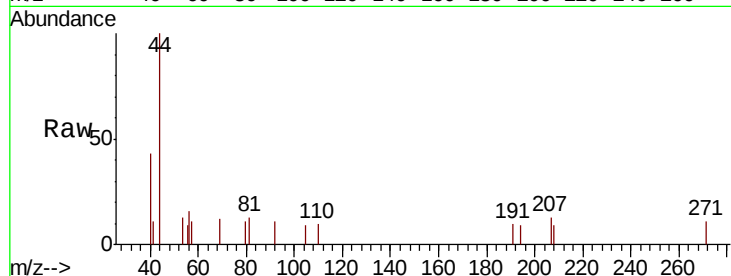
FS-RO-226

Tgt Ion: 91 Resp: 75

Ion Ratio Lower Upper

91 100

126 0.0 15.4 46.2#



#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 11.92 min Scan# 1155

Delta R.T. 0.01 min

Lab File: VF059784.D

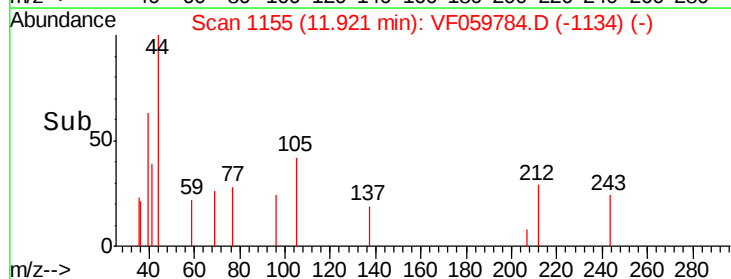
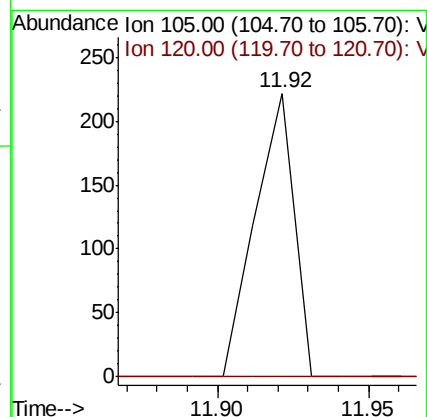
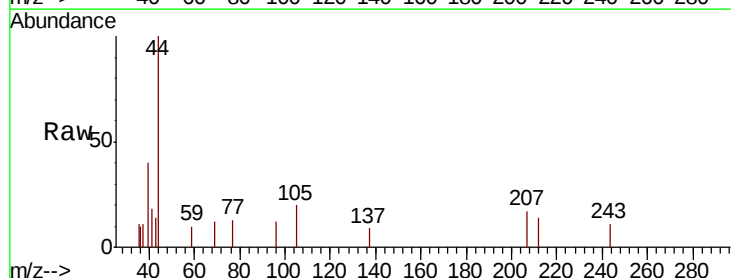
Acq: 2 Aug 2018 6:13

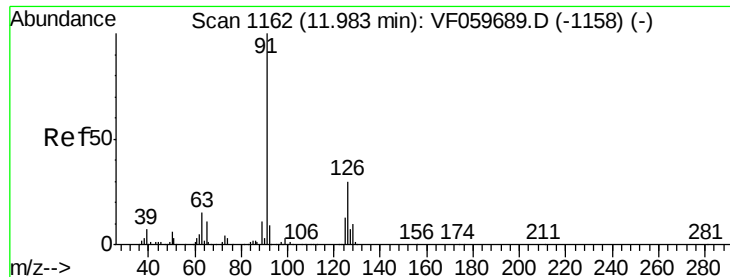
Tgt Ion: 105 Resp: 201

Ion Ratio Lower Upper

105 100

120 0.0 22.7 68.0#





#82

4-Chlorotoluene

Concen: Below Cal

RT: 11.98 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VF059784.D

Acq: 2 Aug 2018 6:13

Instrument :

MSVOA_F

ClientSampled :

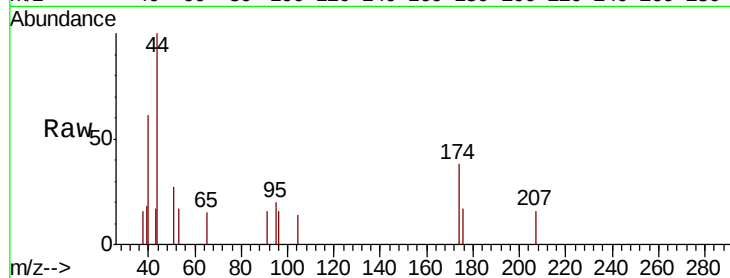
FS-RO-226

Tgt Ion: 91 Resp: 76

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

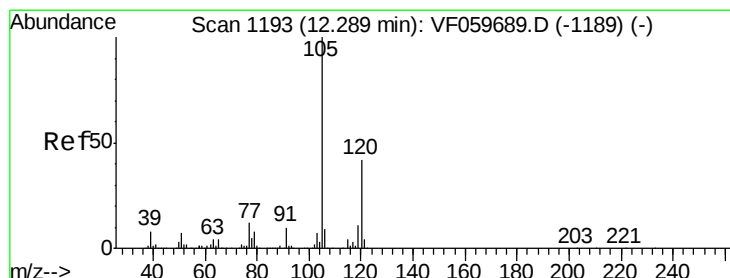
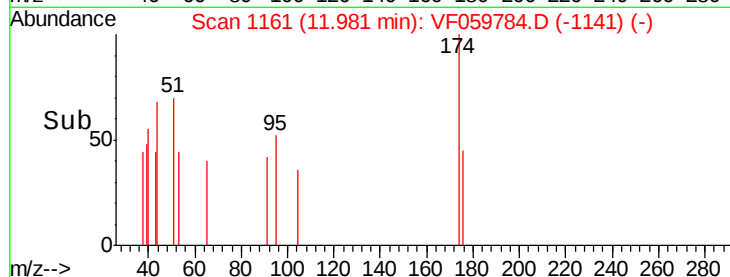
11.98

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: VF059784.D

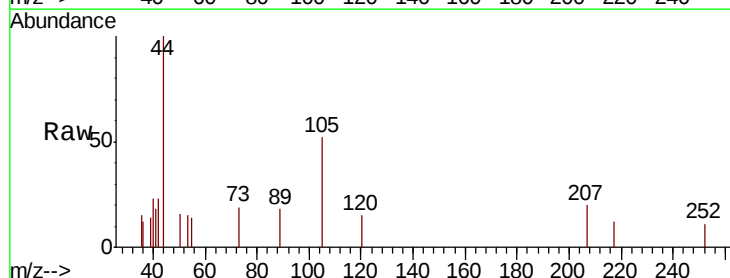
Acq: 2 Aug 2018 6:13

Tgt Ion: 105 Resp: 332

Ion Ratio Lower Upper

105 100

120 27.9 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

500

400

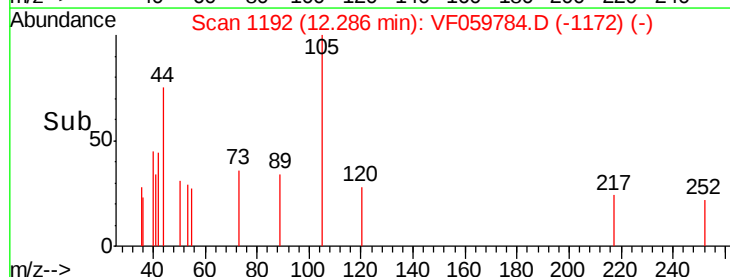
300

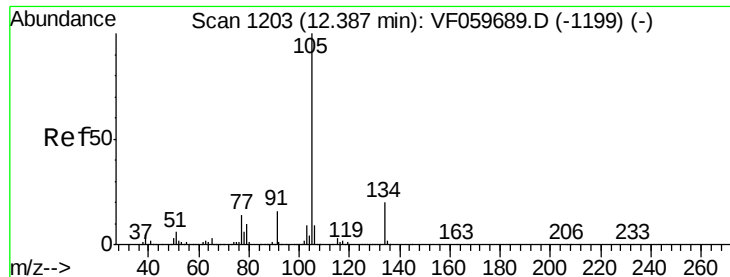
200

100

0

Time-->





#85

sec-Butylbenzene

Concen: Below Cal

RT: 12.38 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF059784.D

Acq: 2 Aug 2018 6:13

Instrument :

MSVOA_F

ClientSampleId :

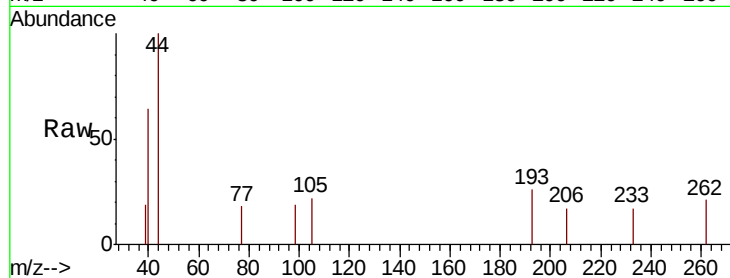
FS-RO-226

Tgt Ion:105 Resp: 85

Ion Ratio Lower Upper

105 100

134 0.0 9.8 29.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.38

150

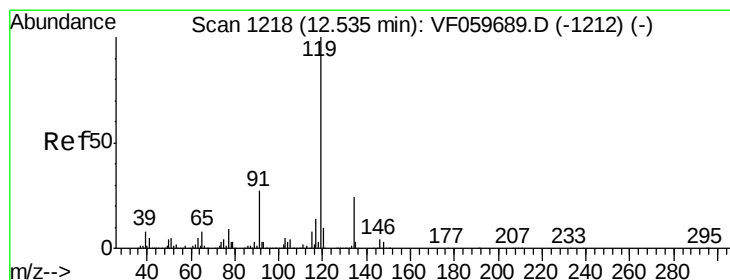
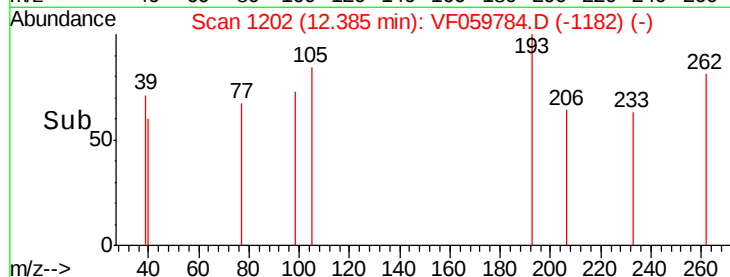
100

50

0

12.36 12.38 12.40

Time-->



#86

p-Isopropyltoluene

Concen: Below Cal

RT: 12.54 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VF059784.D

Acq: 2 Aug 2018 6:13

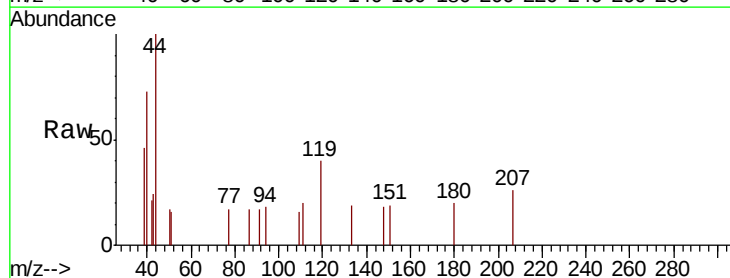
Tgt Ion:119 Resp: 400

Ion Ratio Lower Upper

119 100

134 0.0 12.2 36.6#

91 42.5 13.4 40.2#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

300

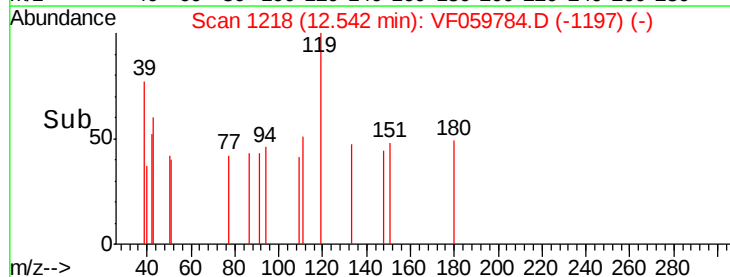
200

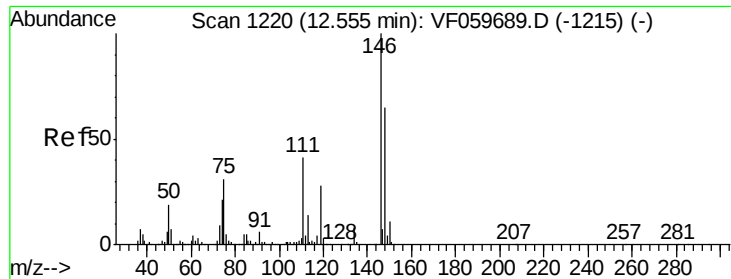
100

0

12.50 12.54 12.55

Time-->

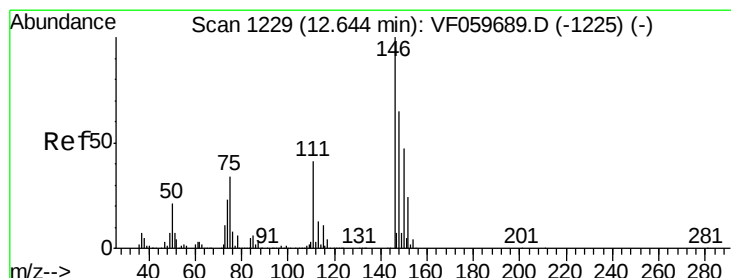
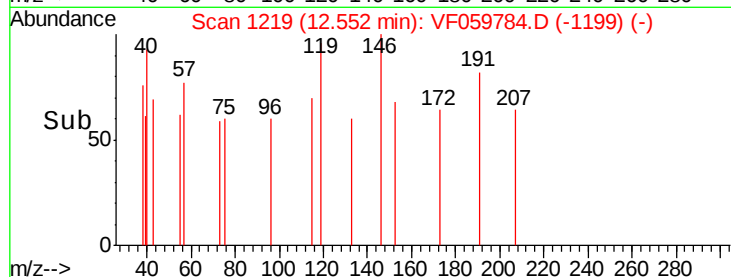
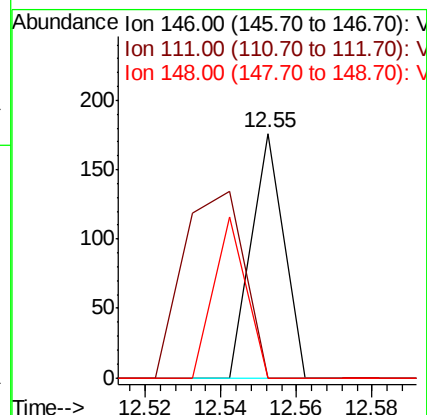
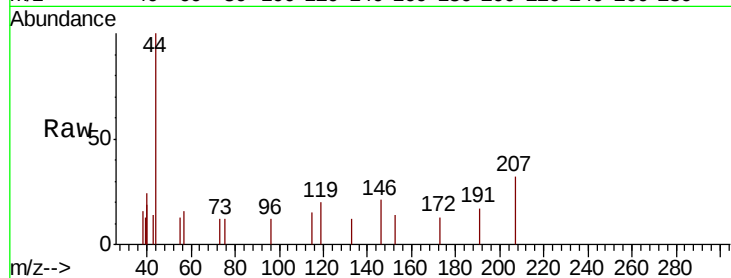




#87
 1,3-Dichlorobenzene
 Concen: Below Cal
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF059784.D
 Acq: 2 Aug 2018 6:13

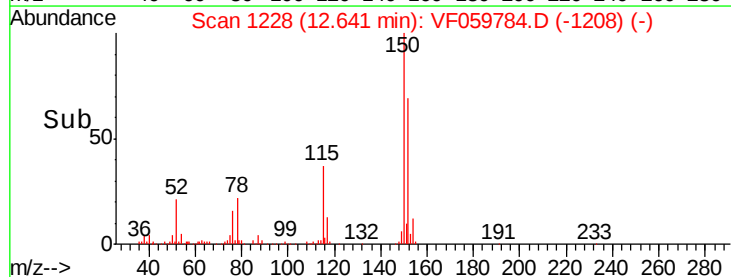
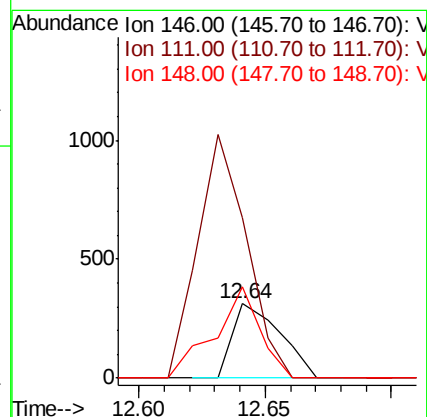
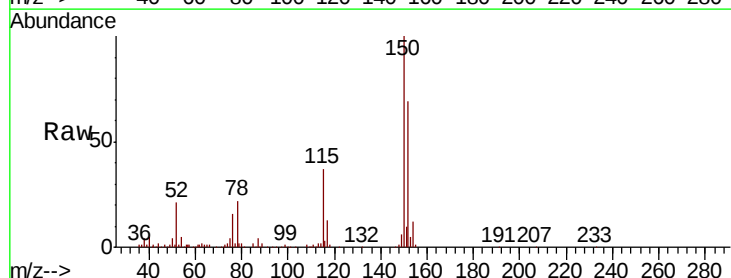
Instrument :
 MSVOA_F
 ClientSampled :
 FS-RO-226

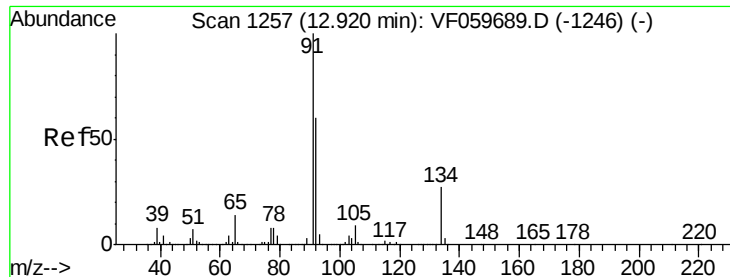
Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.7	62.1#
148	0.0	32.3	96.8#



#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 12.64 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VF059784.D
 Acq: 2 Aug 2018 6:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	216.7	20.8	62.2#
148	122.4	32.3	96.9#





#89

n-Butylbenzene

Concen: Below Cal

RT: 12.92 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VF059784.D

Acq: 2 Aug 2018 6:13

Instrument :

MSVOA_F

ClientSampleId :

FS-RO-226

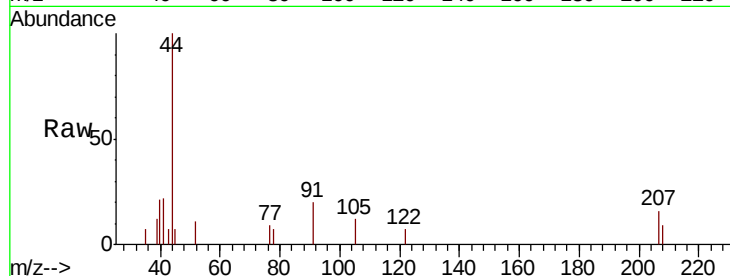
Tgt Ion: 91 Resp: 395

Ion Ratio Lower Upper

91 100

92 0.0 30.1 90.3#

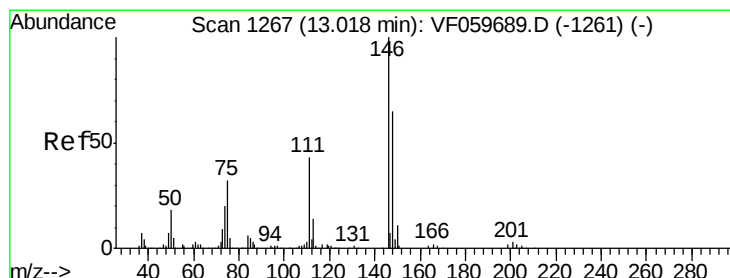
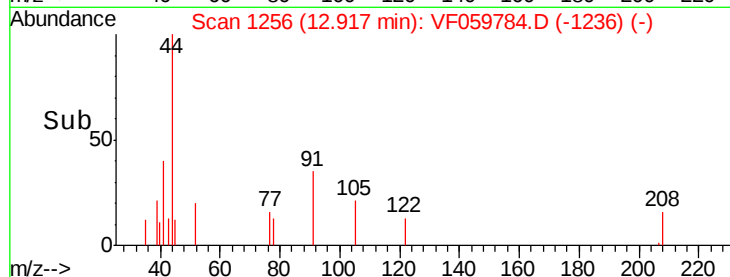
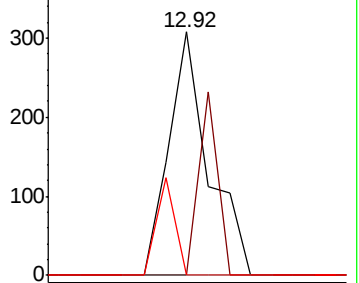
134 0.0 13.7 41.0#



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# 1266

Delta R.T. -0.00 min

Lab File: VF059784.D

Acq: 2 Aug 2018 6:13

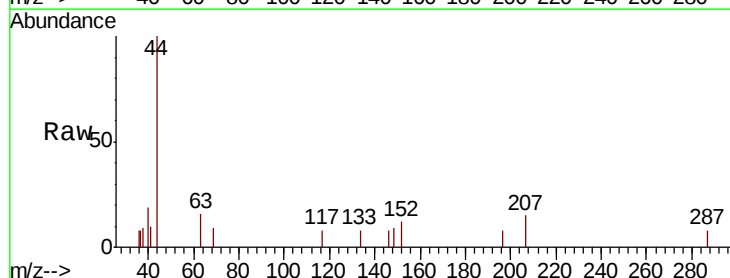
Tgt Ion: 146 Resp: 62

Ion Ratio Lower Upper

146 100

111 0.0 21.6 65.0#

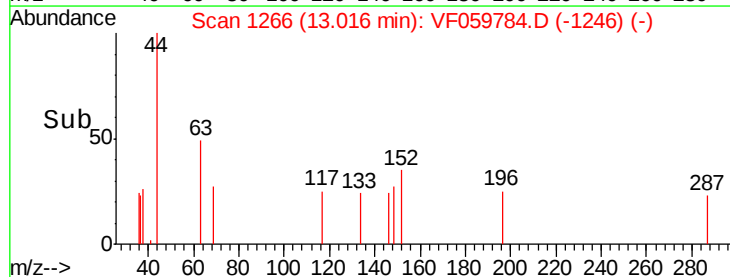
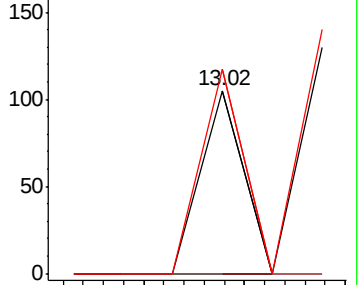
148 111.4 32.3 96.9#

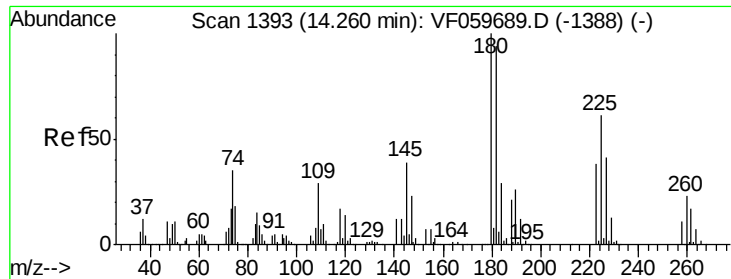


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

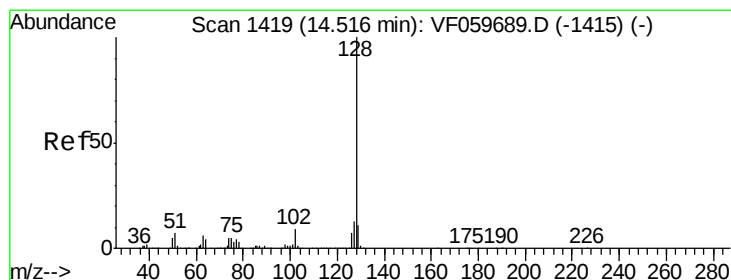
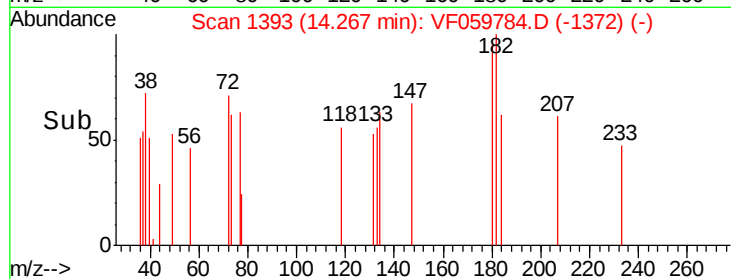
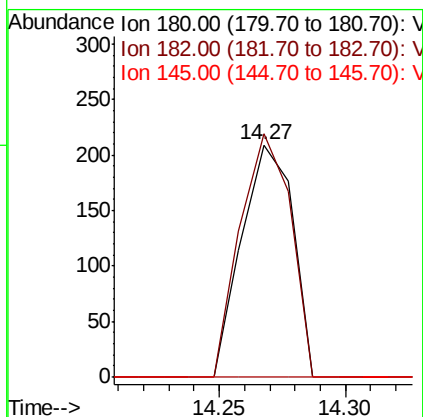
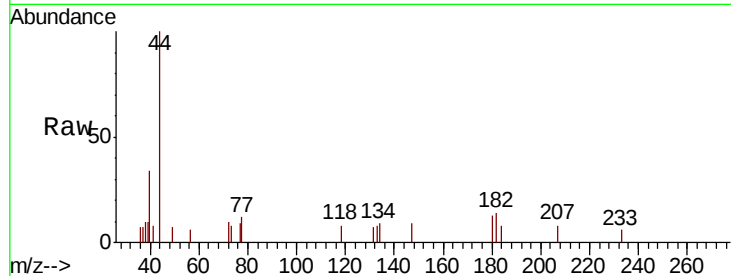




#93
 1,2,4-Trichlorobenzene
 Concen: Below Cal
 RT: 14.27 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: VF059784.D
 Acq: 2 Aug 2018 6:13

Instrument :
 MSVOA_F
 ClientSampleId :
 FS-RO-226

Tgt Ion:180 Resp: 296
 Ion Ratio Lower Upper
 180 100
 182 104.8 47.2 141.6
 145 0.0 19.3 57.9#



#95
 Naphthalene
 Concen: 1.006 ug/l
 RT: 14.52 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VF059784.D
 Acq: 2 Aug 2018 6:13

Tgt Ion:128 Resp: 3845
 Ion Ratio Lower Upper
 128 100
 127 17.3 10.0 15.0#
 129 19.6 8.6 13.0#

