

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080118\
 Data File : VF059785.D
 Acq On : 2 Aug 2018 6:41
 Operator : VA/AP
 Sample : J4257-06
 Misc : 7.94g/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 FK-BPM-03-001-C

Quant Time: Aug 02 07:51:18 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	0.00	168	0	0.00	ug/l	-5.03
34) 1,4-Difluorobenzene	5.94	114	83	50.00	ug/l	0.18
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-9.91
72) 1,4-Dichlorobenzene-d4	12.72	152	89	50.00	ug/l	0.09

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	0.00	65	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	4.38	113	81	93.96	ug/l	0.10
Spiked Amount	50.000		Recovery	=	187.92%	
50) Toluene-d8	7.85	98	65	32.33	ug/l	0.15
Spiked Amount	50.000		Recovery	=	64.66%	
62) 4-Bromofluorobenzene	11.88	95	70	62.90	ug/l	0.37
Spiked Amount	50.000		Recovery	=	125.80%	

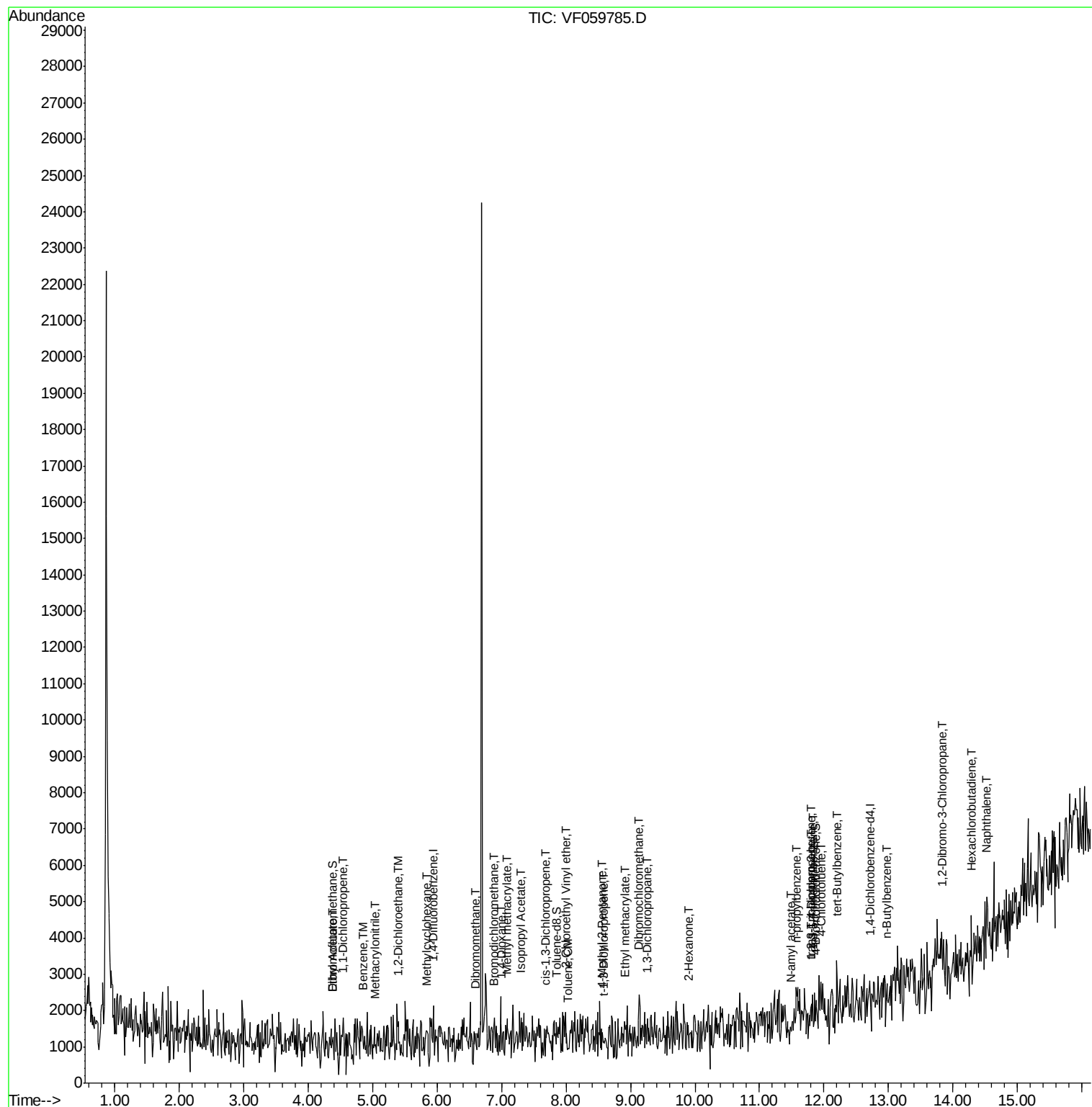
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
36) 1,1-Dichloropropene	4.54	75	63	77.12	ug/l #	46
37) Ethyl Acetate	4.39	43	88	229.06	ug/l #	19
39) Methylcyclohexane	5.82	83	62	101.22	ug/l #	13
40) Benzene	4.86	78	64	38.18	ug/l #	52
41) Methacrylonitrile	5.05	41	134	676.52	ug/l #	24
42) 1,2-Dichloroethane	5.40	62	64	54.56	ug/l	85
43) Isopropyl Acetate	7.30	43	85	171.27	ug/l #	46
46) Dibromomethane	6.59	93	61	145.15	ug/l #	8
47) Bromodichloromethane	6.87	83	70	61.16	ug/l #	25
48) Methyl methacrylate	7.08	41	170	455.39	ug/l #	55
49) 1,4-Dioxane	7.01	88	67	11412.35	ug/l #	21
51) 4-Methyl-2-Pentanone	8.57	43	105	278.12	ug/l #	42
52) Toluene	8.04	92	67	60.60	ug/l #	1
53) t-1,3-Dichloropropene	8.58	75	60	60.42	ug/l #	41
54) cis-1,3-Dichloropropene	7.69	75	218	226.64	ug/l #	18
56) Ethyl methacrylate	8.91	69	113	238.69	ug/l #	14
57) 1,3-Dichloropropane	9.25	76	68	87.32	ug/l #	41
58) 2-Chloroethyl Vinyl ether	7.98	63	130	2378.32	ug/l	100
59) 2-Hexanone	9.89	43	102	337.15	ug/l #	30
60) Dibromochloromethane	9.12	129	73	91.13	ug/l #	12
74) N-amyl acetate	11.47	43	180	122.17	ug/l #	48
76) 1,2,3-Trichloropropane	11.81	75	70	74.89	ug/l #	39
78) n-propylbenzene	11.56	91	79	9.10	ug/l #	54
80) 1,3,5-Trimethylbenzene	11.82	105	85	14.98	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.81	75	70	180.83	ug/l #	9
82) 4-Chlorotoluene	11.96	91	63	12.66	ug/l #	44
83) tert-Butylbenzene	12.19	119	66	12.59	ug/l #	26
89) n-Butylbenzene	12.97	91	67	8.85	ug/l #	29
92) 1,2-Dibromo-3-Chloropropan	13.82	75	73	271.65	ug/l #	9
94) Hexachlorobutadiene	14.30	225	75	51.38	ug/l #	19
95) Naphthalene	14.54	128	122	31.79	ug/l #	70

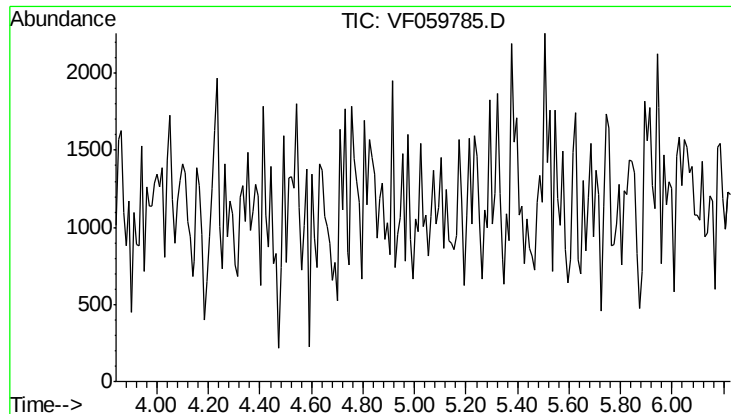
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 0.00 ug/l

Expected RT: 5.03 min

Lab File: VF059785.D

Acq: 2 Aug 2018 6:41

Tot Ion: 168

Sig Exp Ratio

168 100

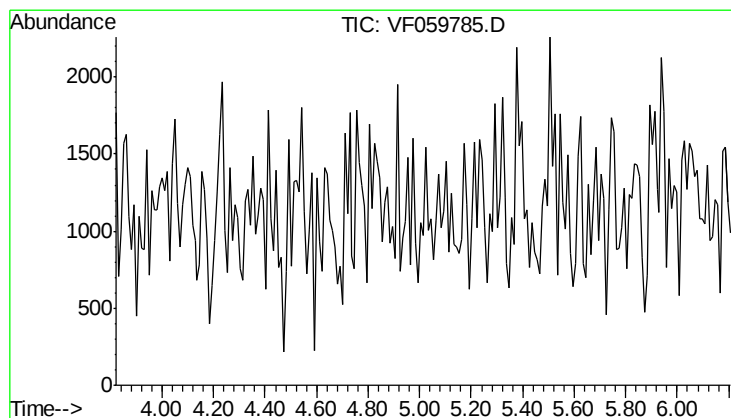
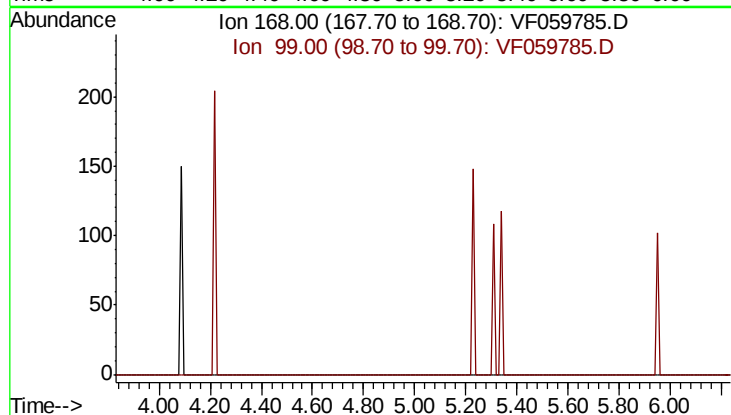
99 79.1

Instrument :

MSVOA_F

ClientSampleId :

FK-BPM-03-001-C



#33

1,2-Dichloroethane-d4

Concen: 0.00 ug/l

Expected RT: 5.01 min

Lab File: VF059785.D

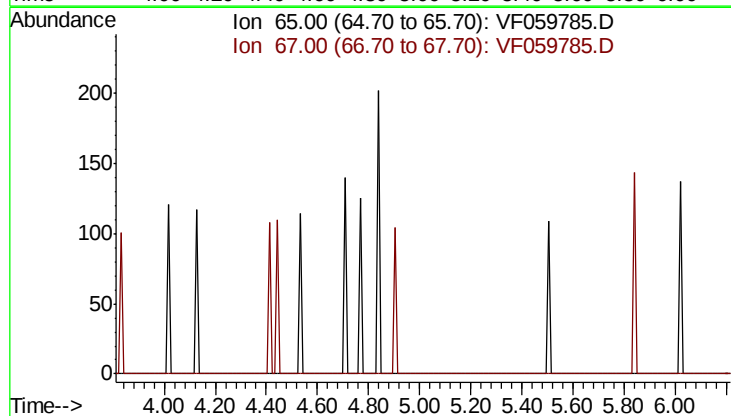
Acq: 2 Aug 2018 6:41

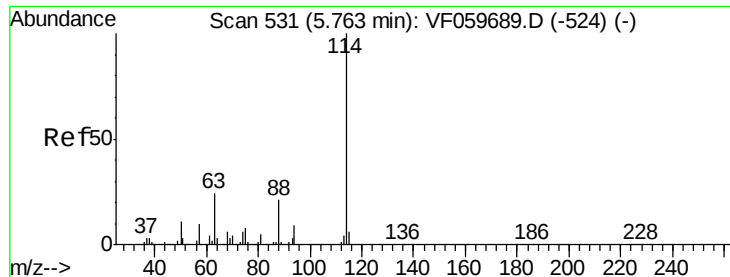
Tgt Ion: 65

Sig Exp Ratio

65 100

67 42.3

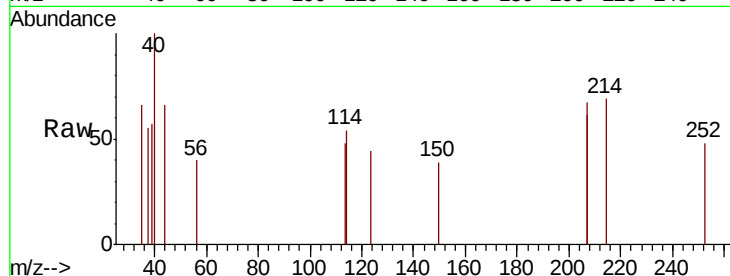




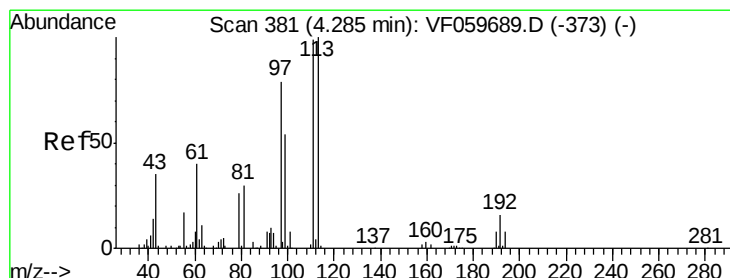
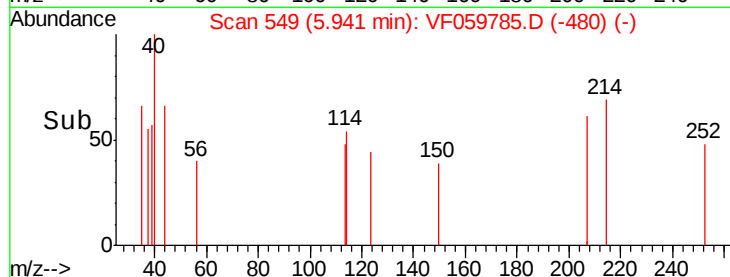
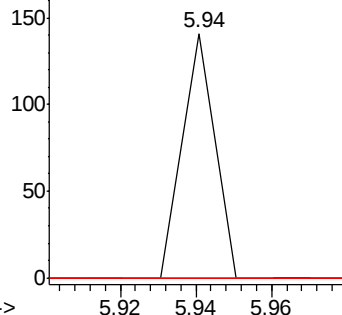
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.94 min Scan# 549
 Delta R.T. 0.18 min
 Lab File: VF059785.D
 Acq: 2 Aug 2018 6:41

Instrument :
 MSVOA_F
 ClientSampleId :
 FK-BPM-03-001-C

Tot Ion	Ratio	Lower	Upper
114	100		
63	0.0	0.0	47.4
88	0.0	0.0	41.2

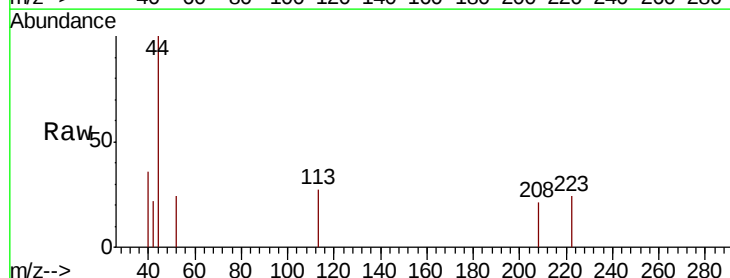


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

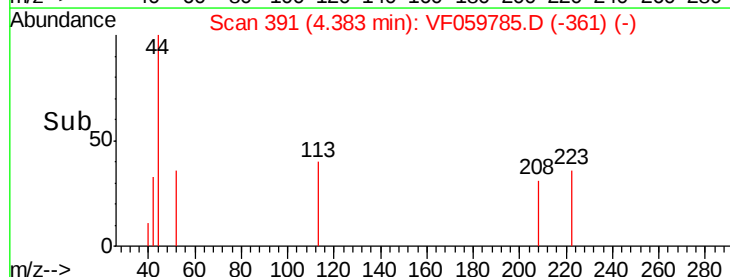
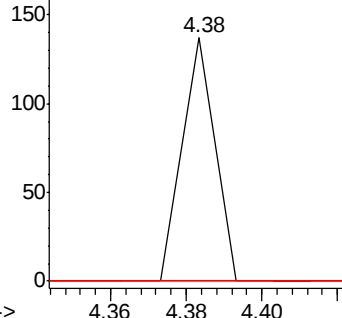


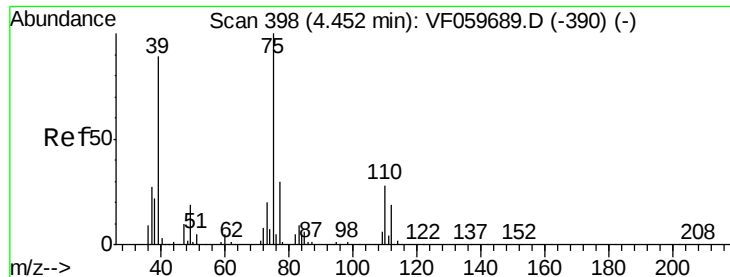
#35
 Dibromofluoromethane
 Concen: 93.96 ug/l
 RT: 4.38 min Scan# 391
 Delta R.T. 0.10 min
 Lab File: VF059785.D
 Acq: 2 Aug 2018 6:41

Tgt Ion	Ratio	Lower	Upper
113	100		
111	0.0	79.0	118.4#
192	0.0	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: 77.12 ug/l

RT: 4.54 min Scan# 407

Delta R.T. 0.09 min

Lab File: VF059785.D

Acq: 2 Aug 2018 6:41

Instrument :

MSVOA_F

ClientSampleId :

FK-BPM-03-001-C

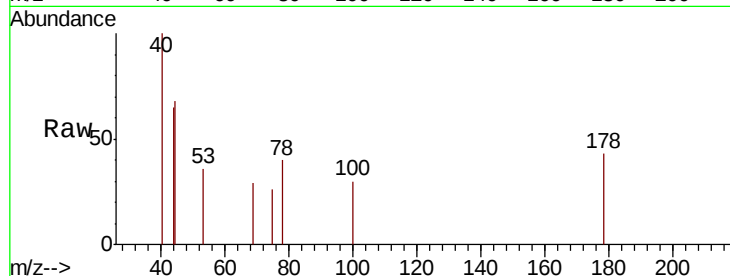
Tot Ion: 75 Resp: 63

Ion Ratio Lower Upper

75 100

110 0.0 14.0 41.9#

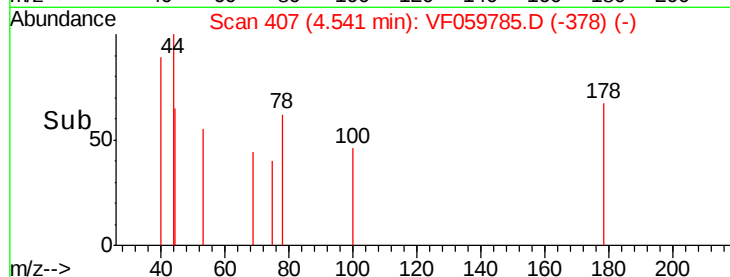
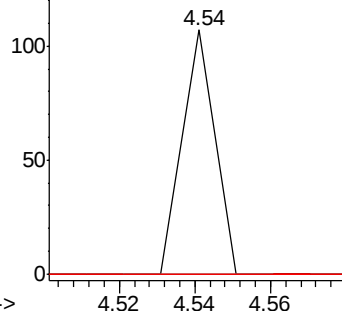
77 0.0 24.2 36.2#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0



#37

Ethyl Acetate

Concen: 229.06 ug/l

RT: 4.39 min Scan# 392

Delta R.T. 0.10 min

Lab File: VF059785.D

Acq: 2 Aug 2018 6:41

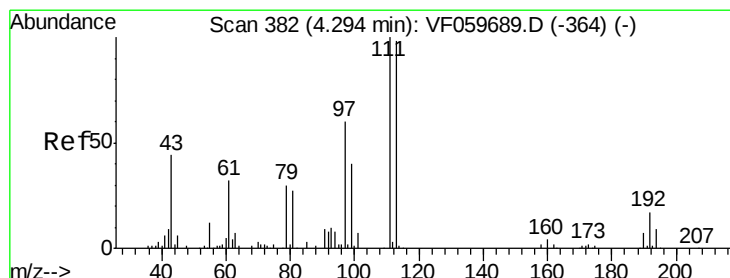
Tgt Ion: 43 Resp: 88

Ion Ratio Lower Upper

43 100

61 0.0 58.2 87.2#

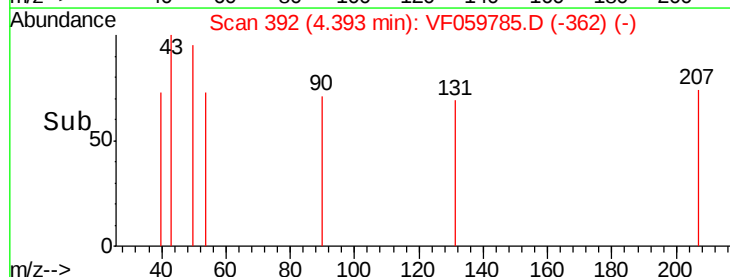
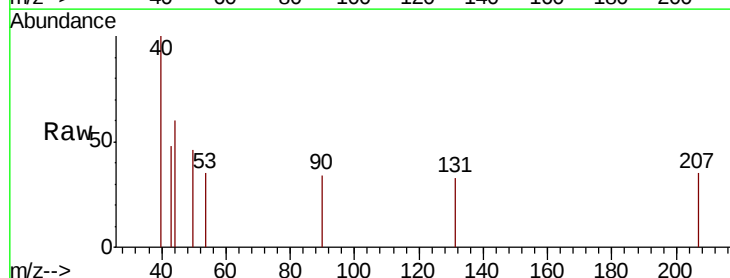
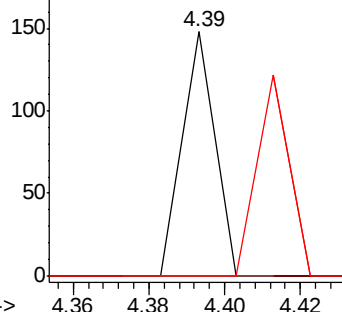
70 0.0 6.0 9.0#

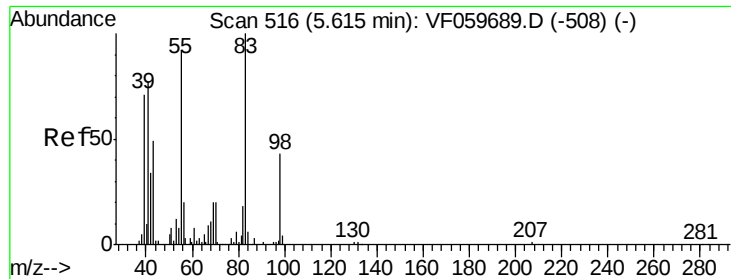


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

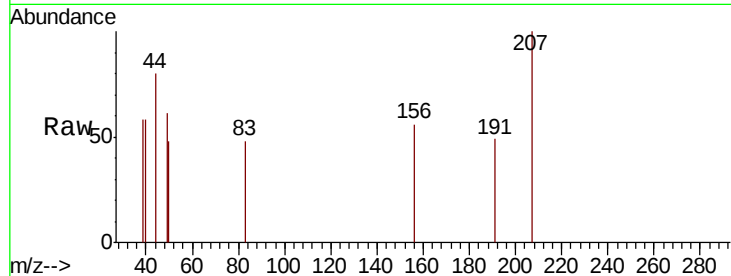




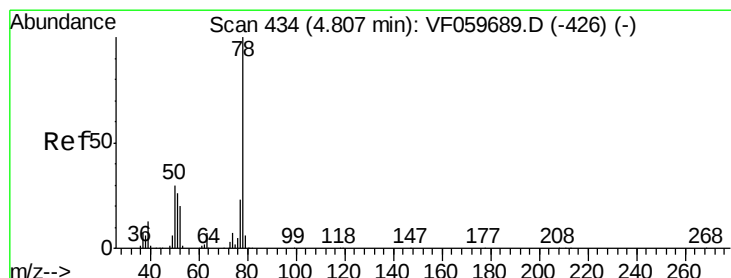
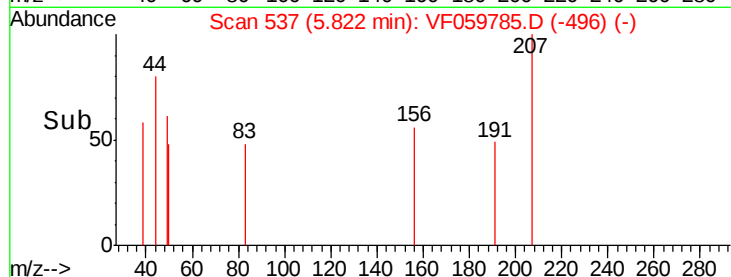
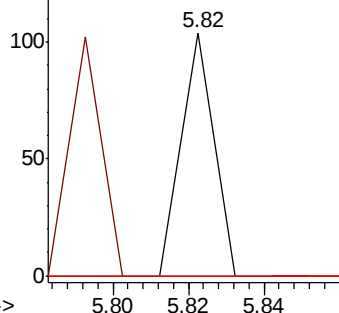
#39
Methylcyclohexane
Concen: 101.22 ug/l
RT: 5.82 min Scan# 537
Delta R.T. 0.21 min
Lab File: VF059785.D
Acq: 2 Aug 2018 6:41

Instrument :
MSVOA_F
ClientSampleId :
FK-BPM-03-001-C

Tot Ion: 83 Resp: 62
Ion Ratio Lower Upper
83 100
55 0.0 73.4 110.2#
98 0.0 34.2 51.4#

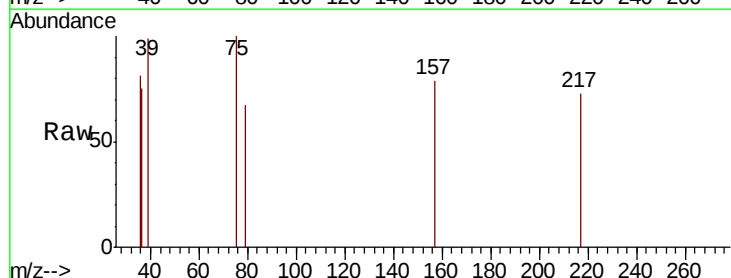


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

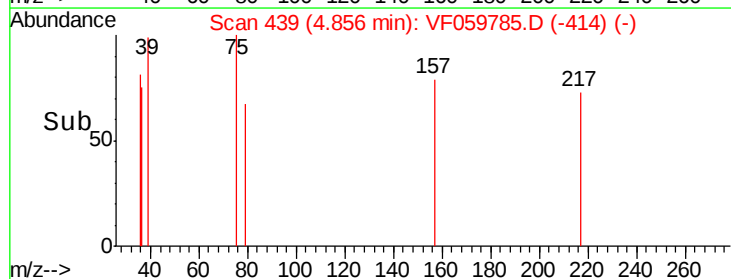
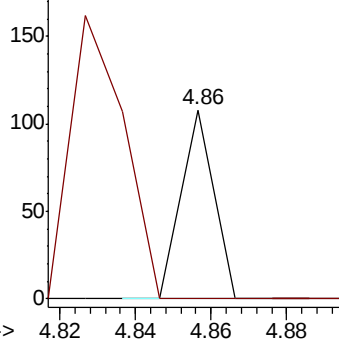


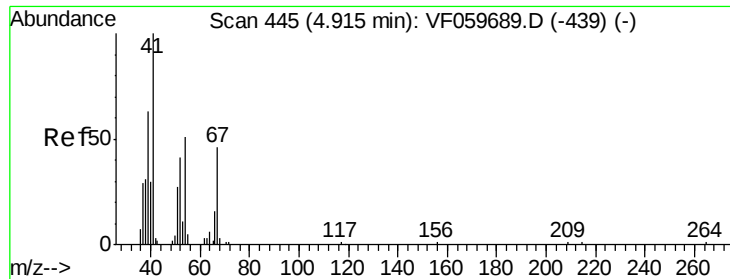
#40
Benzene
Concen: 38.18 ug/l
RT: 4.86 min Scan# 439
Delta R.T. 0.05 min
Lab File: VF059785.D
Acq: 2 Aug 2018 6:41

Tgt Ion: 78 Resp: 64
Ion Ratio Lower Upper
78 100
77 0.0 18.9 28.3#



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0

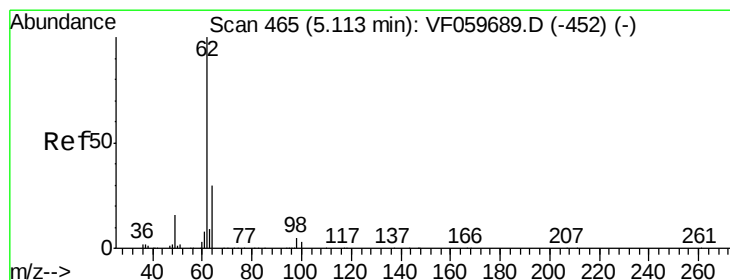
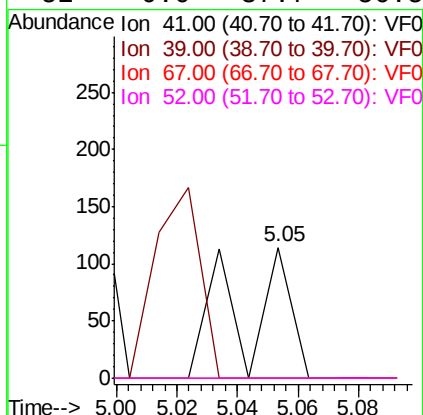
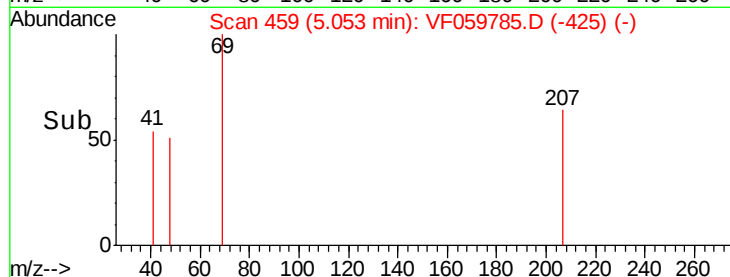
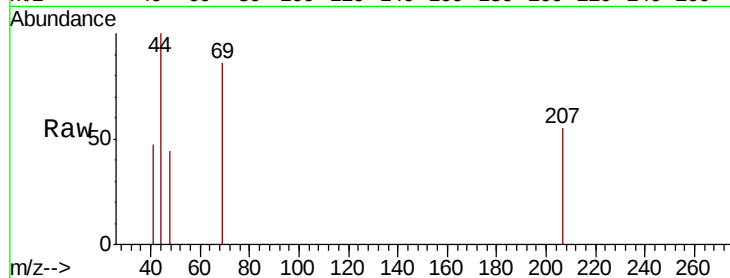




#41
Methacrylonitrile
Concen: 676.52 ug/l
RT: 5.05 min Scan# 459
Delta R.T. 0.14 min
Lab File: VF059785.D
Acq: 2 Aug 2018 6:41

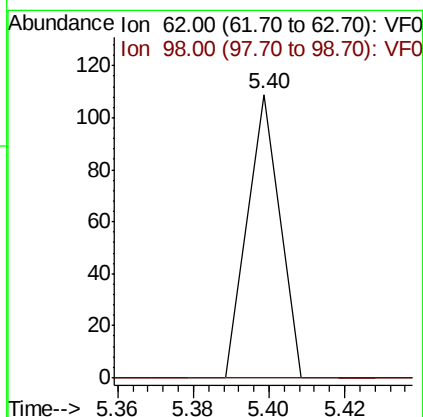
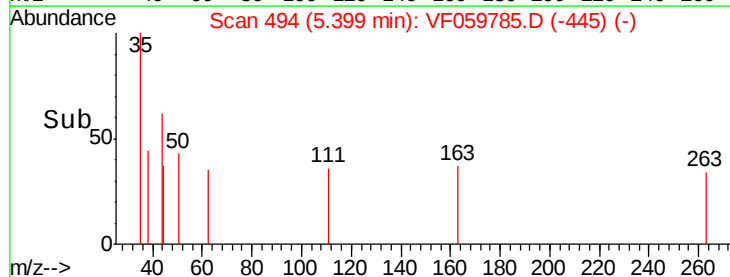
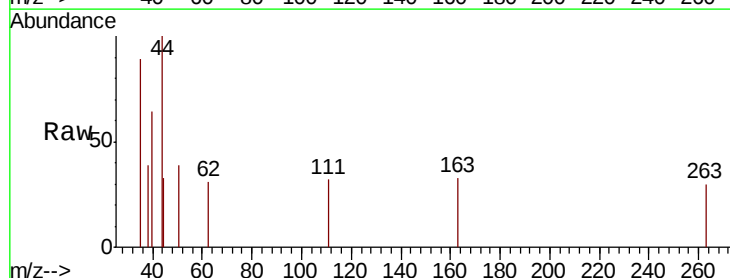
Instrument :
MSVOA_F
ClientSampleId :
FK-BPM-03-001-C

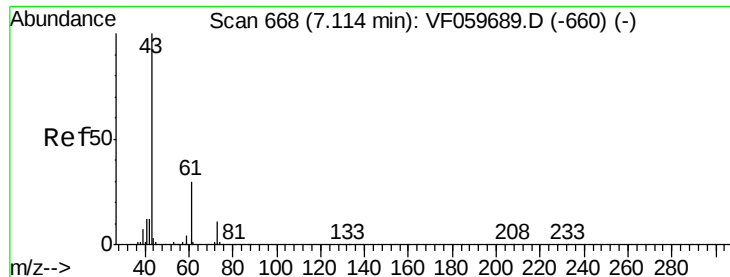
Tot Ion:	41	Resp:	134
Ion	Ratio	Lower	Upper
41	100		
39	0.0	55.2	82.8#
67	0.0	36.2	54.2#
52	0.0	37.7	56.5#



#42
1,2-Dichloroethane
Concen: 54.56 ug/l
RT: 5.40 min Scan# 494
Delta R.T. 0.29 min
Lab File: VF059785.D
Acq: 2 Aug 2018 6:41

Tgt Ion:	62	Resp:	64
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	9.6



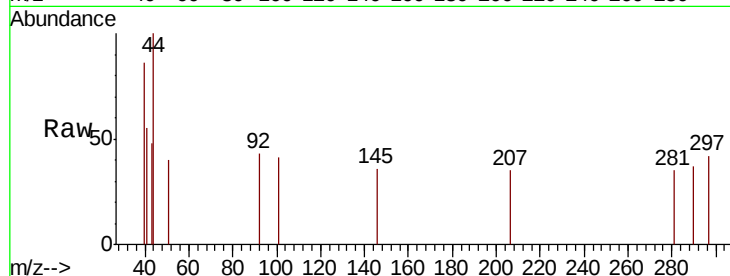


#43

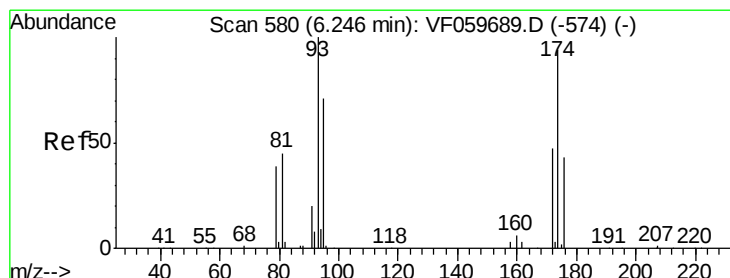
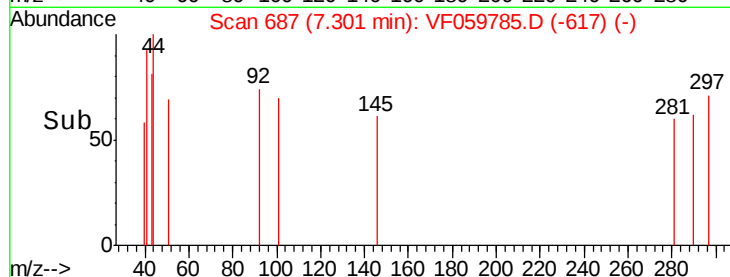
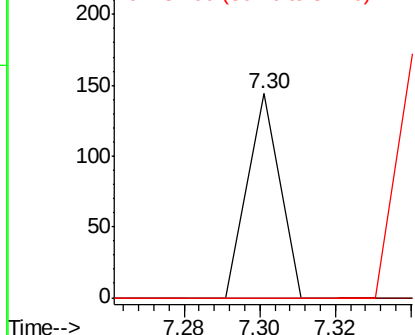
Isopropyl Acetate
 Concen: 171.27 ug/l
 RT: 7.30 min Scan# 687
 Delta R.T. 0.19 min
 Lab File: VF059785.D
 Acq: 2 Aug 2018 6:41

Instrument :
 MSVOA_F
 ClientSampleId :
 FK-BPM-03-001-C

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	23.8	35.8#
87	0.0	0.6	1.0#



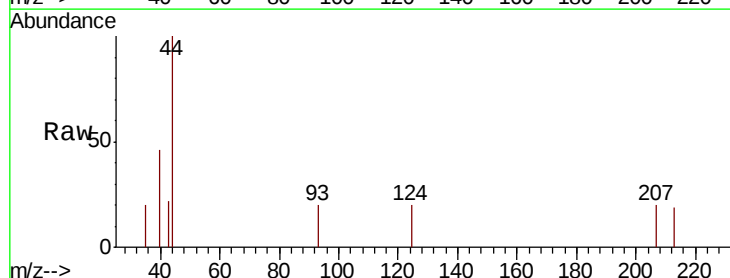
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



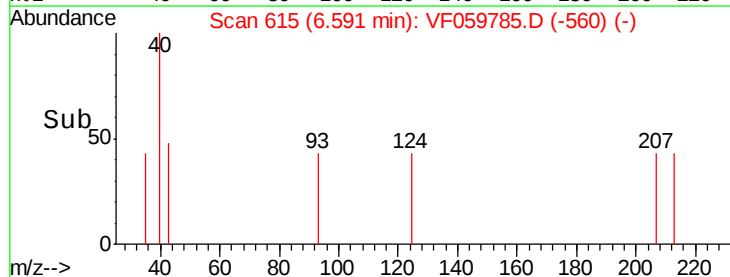
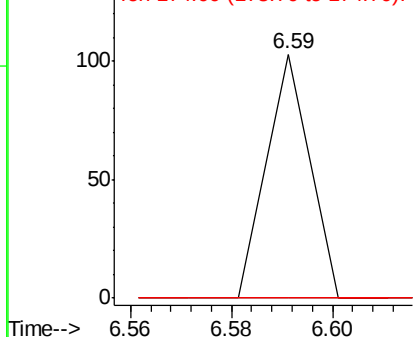
#46

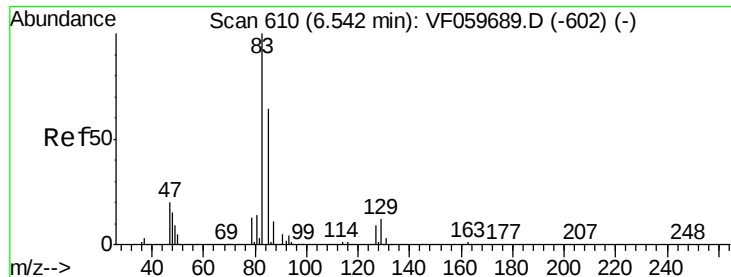
Dibromomethane
 Concen: 145.15 ug/l
 RT: 6.59 min Scan# 615
 Delta R.T. 0.35 min
 Lab File: VF059785.D
 Acq: 2 Aug 2018 6:41

Tgt Ion	Ratio	Lower	Upper
93	100		
95	0.0	57.1	85.7#
174	0.0	74.8	112.2#



Abundance Ion 93.00 (92.70 to 93.70): VF0
 Ion 95.00 (94.70 to 95.70): VF0
 Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 61.16 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.33 min

Lab File: VF059785.D

Acq: 2 Aug 2018 6:41

Instrument :

MSVOA_F

ClientSampleId :

FK-BPM-03-001-C

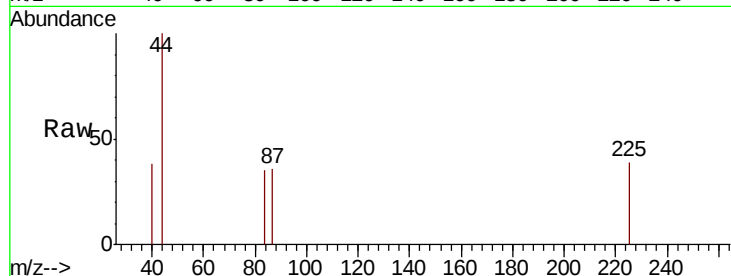
Tot Ion: 83 Resp: 70

Ion Ratio Lower Upper

83 100

85 0.0 51.0 76.6#

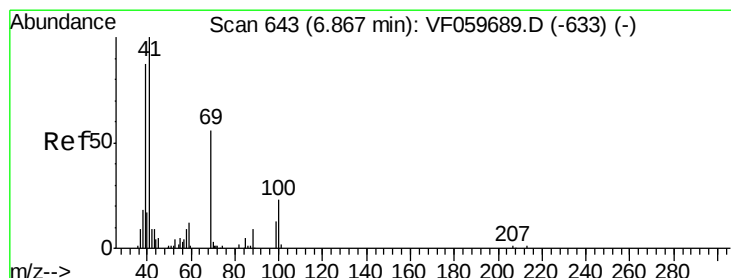
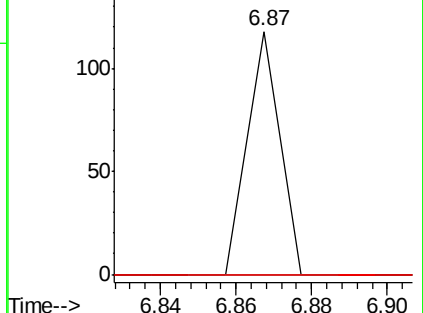
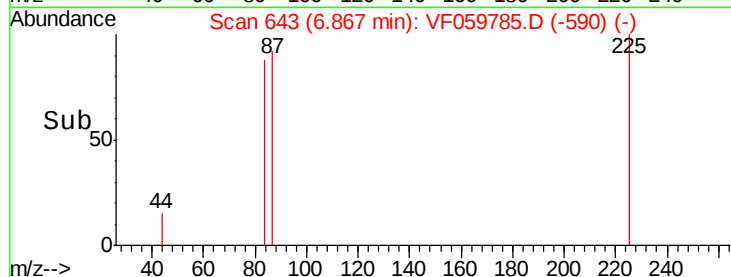
127 0.0 7.3 10.9#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 455.39 ug/l

RT: 7.08 min Scan# 665

Delta R.T. 0.22 min

Lab File: VF059785.D

Acq: 2 Aug 2018 6:41

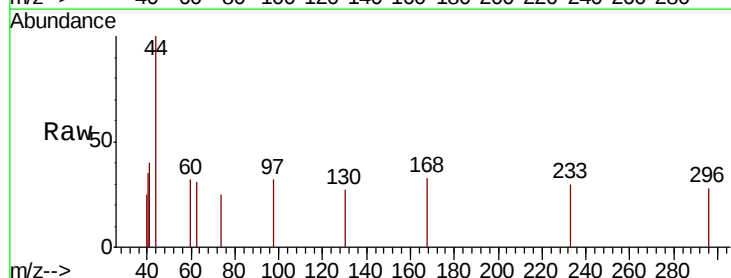
Tgt Ion: 41 Resp: 170

Ion Ratio Lower Upper

41 100

69 0.0 44.4 66.6#

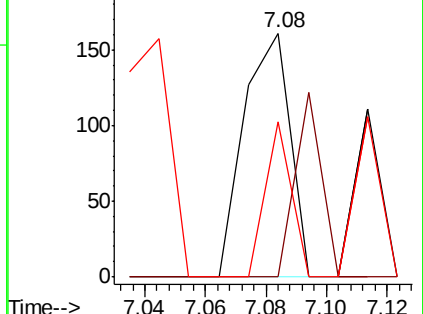
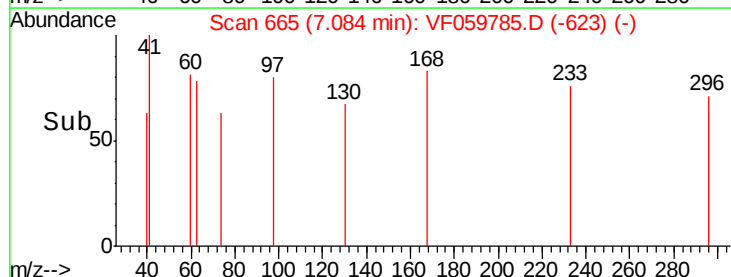
39 63.4 69.4 104.2#

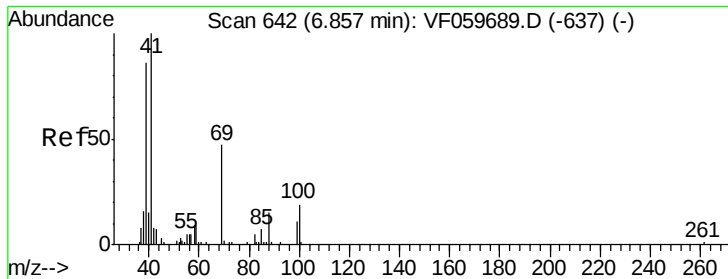


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 11412.35 ug/l

RT: 7.01 min Scan# 657

Delta R.T. 0.15 min

Lab File: VF059785.D

Acq: 2 Aug 2018 6:41

Instrument :

MSVOA_F

ClientSampleId :

FK-BPM-03-001-C

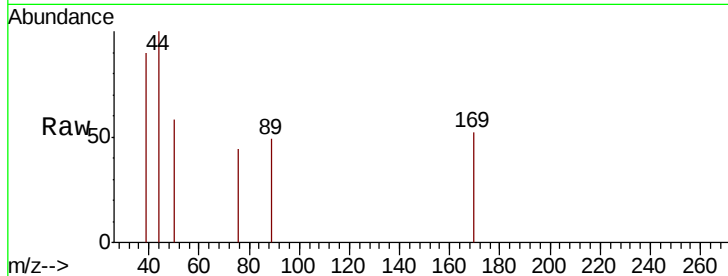
Tot Ion: 88 Resp: 67

Ion Ratio Lower Upper

88 100

43 0.0 45.2 67.8#

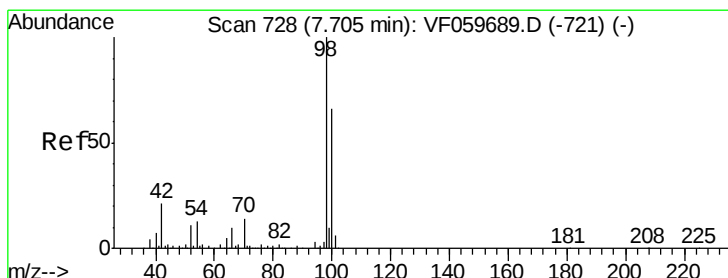
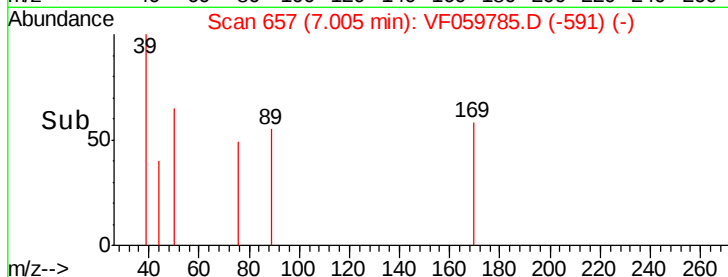
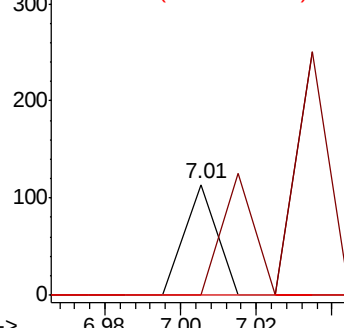
58 0.0 49.0 73.6#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 32.33 ug/l

RT: 7.85 min Scan# 743

Delta R.T. 0.15 min

Lab File: VF059785.D

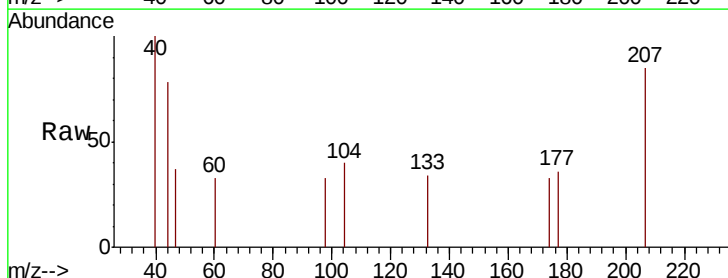
Acq: 2 Aug 2018 6:41

Tgt Ion: 98 Resp: 65

Ion Ratio Lower Upper

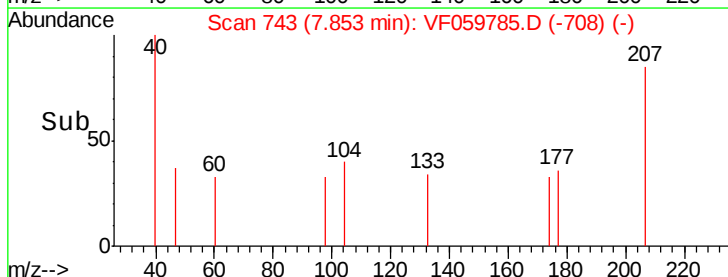
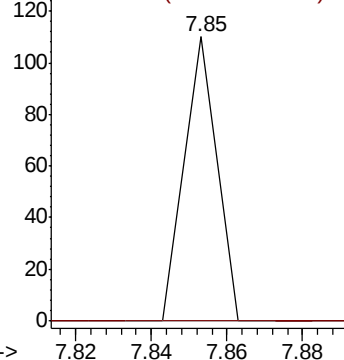
98 100

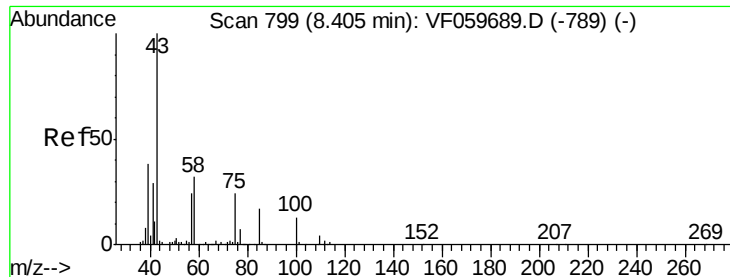
100 0.0 52.8 79.2#



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 278.12 ug/l

RT: 8.57 min Scan# 816

Delta R.T. 0.17 min

Lab File: VF059785.D

Acq: 2 Aug 2018 6:41

Instrument :

MSVOA_F

ClientSampleId :

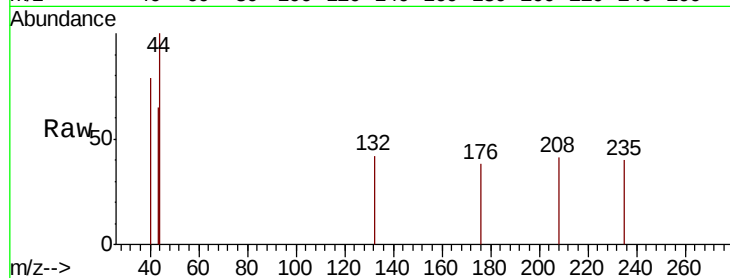
FK-BPM-03-001-C

Tot Ion: 43.00 Resp: 105

Ion Ratio Lower Upper

43 100

58 0.0 25.9 38.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.57

200

150

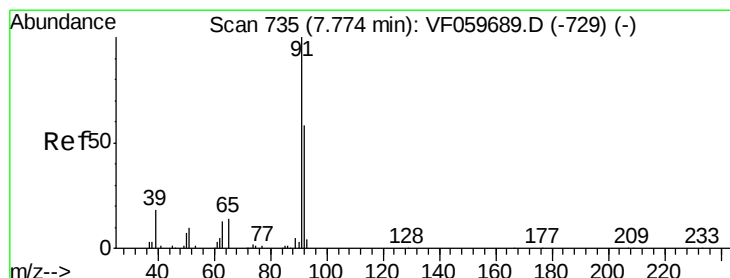
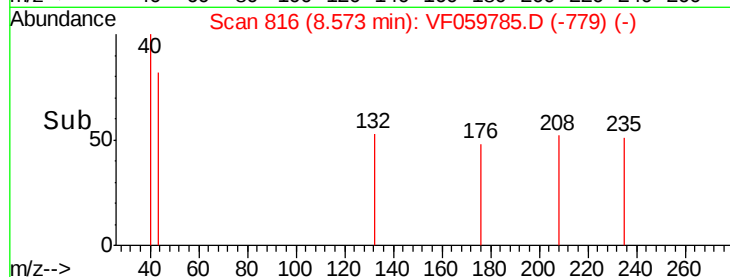
100

50

0

8.54 8.56 8.58 8.60

Time-->



#52

Toluene

Concen: 60.60 ug/l

RT: 8.04 min Scan# 762

Delta R.T. 0.27 min

Lab File: VF059785.D

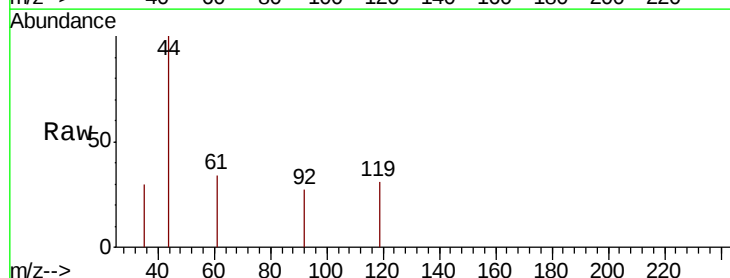
Acq: 2 Aug 2018 6:41

Tgt Ion: 92 Resp: 67

Ion Ratio Lower Upper

92 100

91 0.0 139.0 208.4#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

8.04

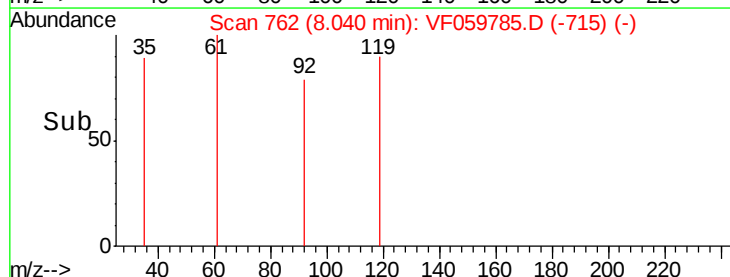
100

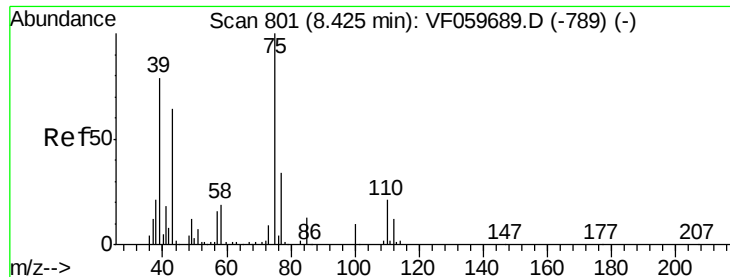
50

0

8.02 8.04 8.06

Time-->





#53

t-1,3-Dichloropropene

Concen: 60.42 ug/l

RT: 8.58 min Scan# 817

Delta R.T. 0.16 min

Lab File: VF059785.D

Acq: 2 Aug 2018 6:41

Instrument :

MSVOA_F

ClientSampleId :

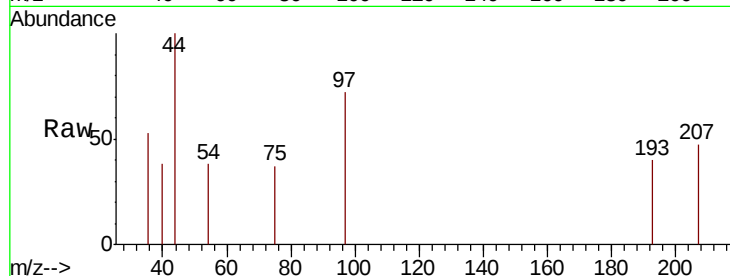
FK-BPM-03-001-C

Tot Ion: 75 Resp: 60

Ion Ratio Lower Upper

75 100

77 0.0 27.0 40.4#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.58

100

80

60

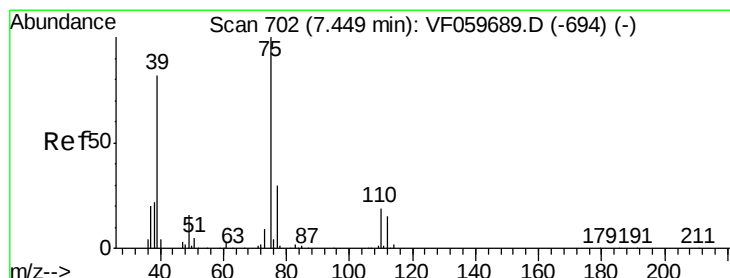
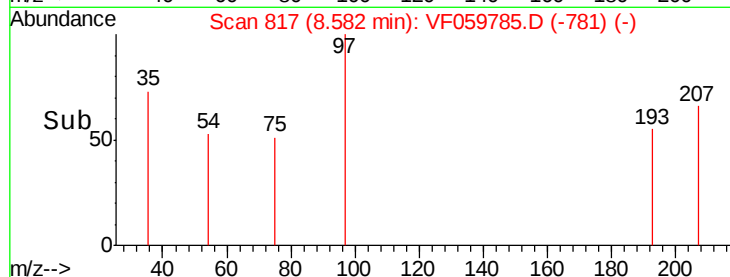
40

20

0

8.56 8.58 8.60

Time-->



#54

cis-1,3-Dichloropropene

Concen: 226.64 ug/l

RT: 7.69 min Scan# 726

Delta R.T. 0.24 min

Lab File: VF059785.D

Acq: 2 Aug 2018 6:41

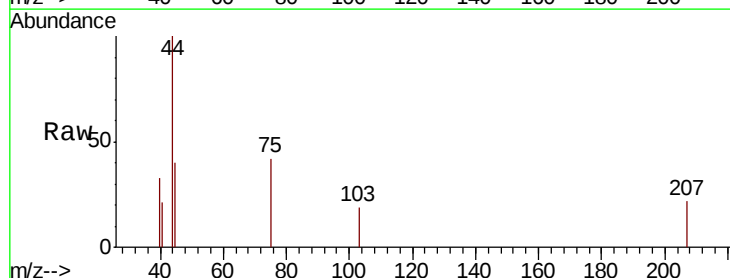
Tgt Ion: 75 Resp: 218

Ion Ratio Lower Upper

75 100

77 0.0 24.0 36.0#

39 0.0 65.4 98.2#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

300

250

200

150

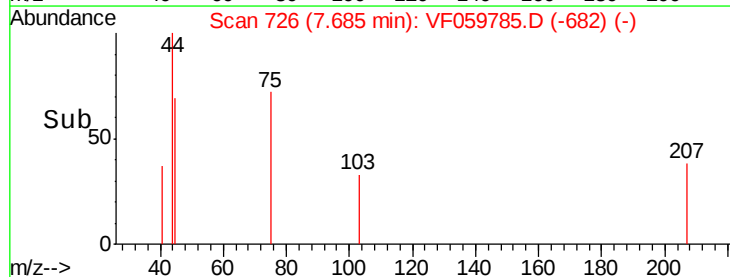
100

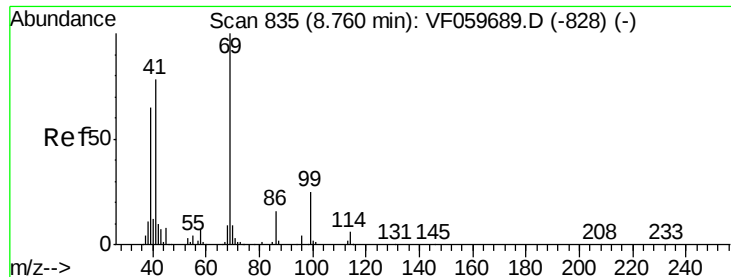
50

0

7.65 7.69 7.70

Time-->





#56

Ethyl methacrylate

Concen: 238.69 ug/l

RT: 8.91 min Scan# 850

Delta R.T. 0.15 min

Lab File: VF059785.D

Acq: 2 Aug 2018 6:41

Instrument :

MSVOA_F

ClientSampleId :

FK-BPM-03-001-C

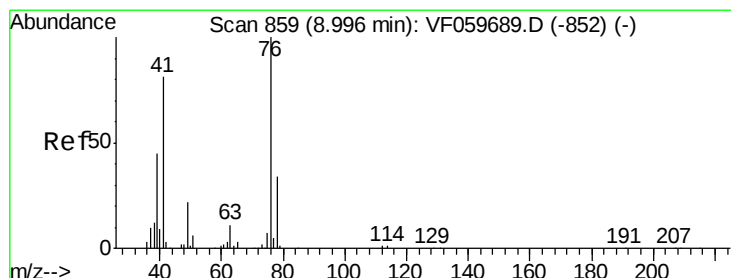
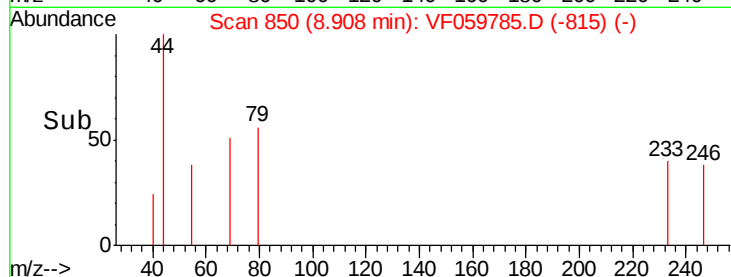
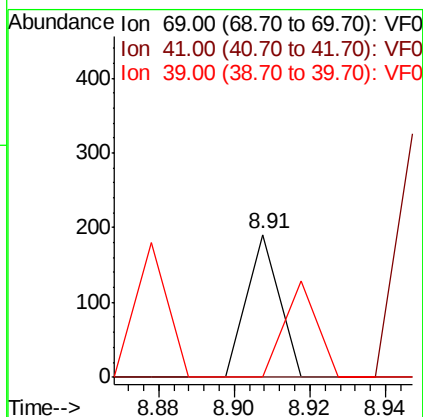
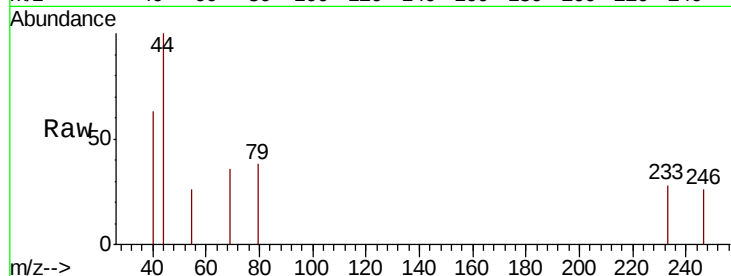
Tot Ion: 69 Resp: 113

Ion Ratio Lower Upper

69 100

41 0.0 62.3 93.5#

39 0.0 52.4 78.6#



#57

1,3-Dichloropropane

Concen: 87.32 ug/l

RT: 9.25 min Scan# 885

Delta R.T. 0.26 min

Lab File: VF059785.D

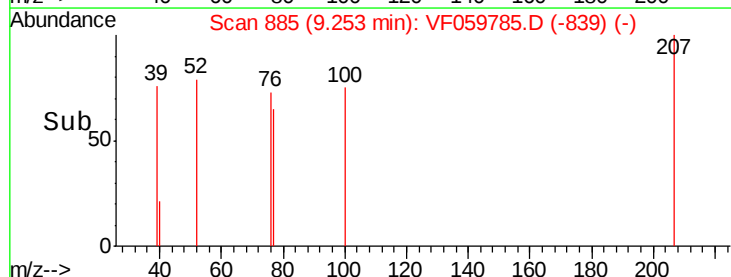
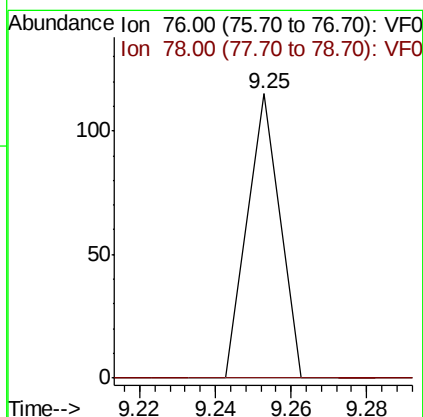
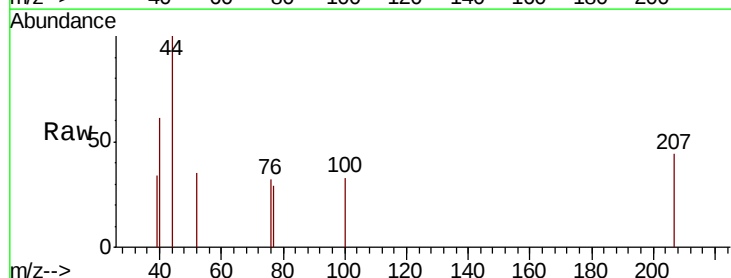
Acq: 2 Aug 2018 6:41

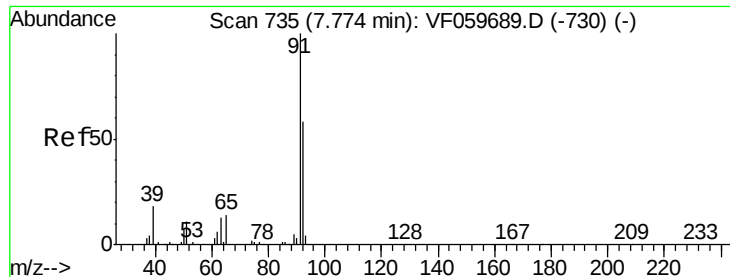
Tgt Ion: 76 Resp: 68

Ion Ratio Lower Upper

76 100

78 0.0 27.2 40.8#

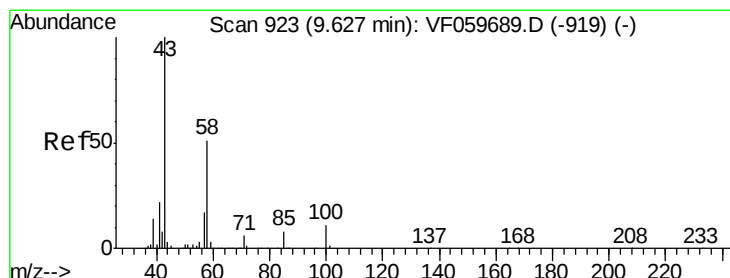
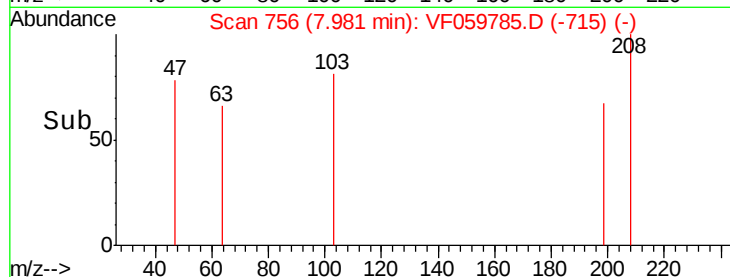
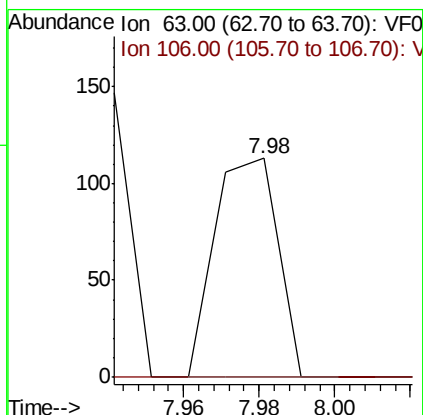
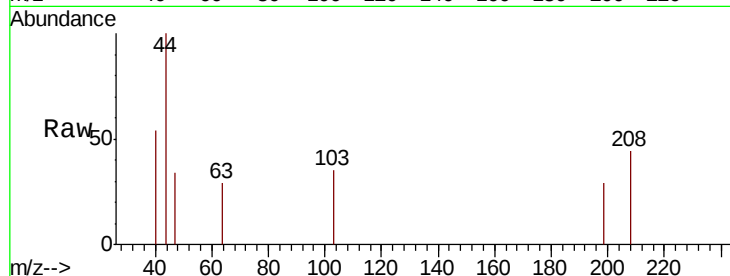




#58
 2-Chloroethyl Vinyl ether
 Concen: 2378.32 ug/l
 RT: 7.98 min Scan# 756
 Delta R.T. 0.21 min
 Lab File: VF059785.D
 Acq: 2 Aug 2018 6:41

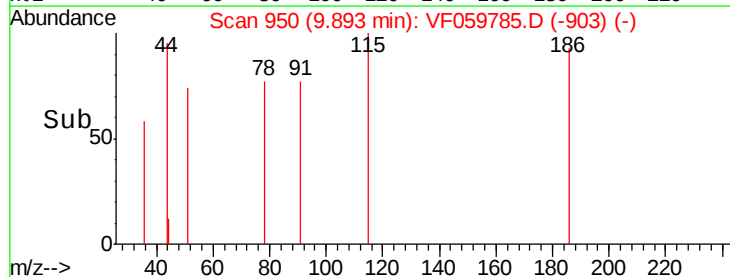
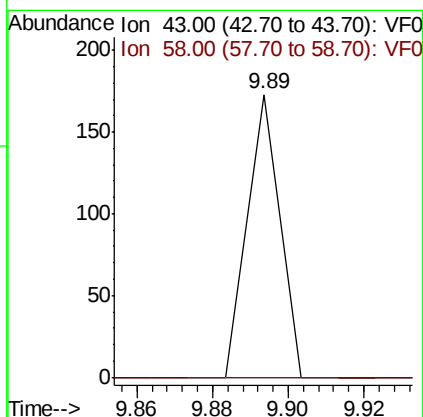
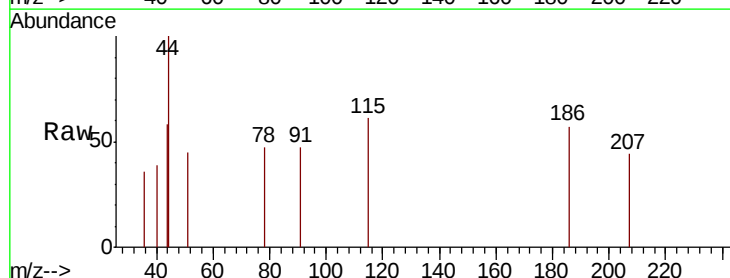
Instrument :
 MSVOA_F
 ClientSampleId :
 FK-BPM-03-001-C

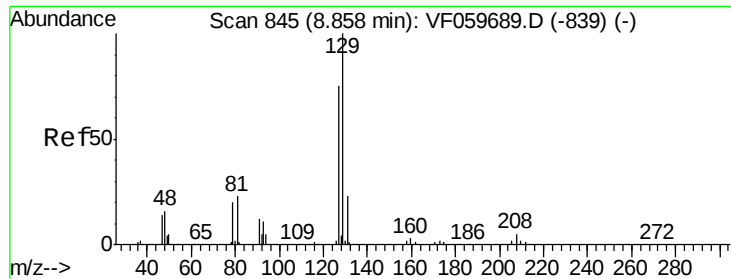
Tot Ion: 63 Resp: 130
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#59
 2-Hexanone
 Concen: 337.15 ug/l
 RT: 9.89 min Scan# 950
 Delta R.T. 0.27 min
 Lab File: VF059785.D
 Acq: 2 Aug 2018 6:41

Tgt Ion: 43 Resp: 102
 Ion Ratio Lower Upper
 43 100
 58 0.0 23.3 69.8#





#60

Dibromochloromethane

Concen: 91.13 ug/l

RT: 9.12 min Scan# 872

Delta R.T. 0.27 min

Lab File: VF059785.D

Acq: 2 Aug 2018 6:41

Instrument :

MSVOA_F

ClientSampleId :

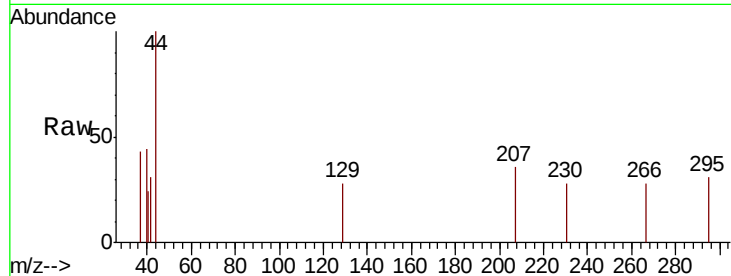
FK-BPM-03-001-C

Tot Ion:129 Resp: 73

Ion Ratio Lower Upper

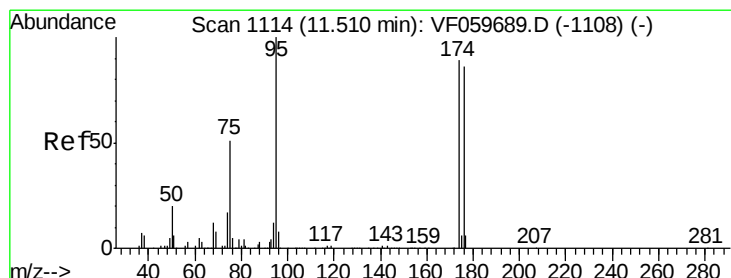
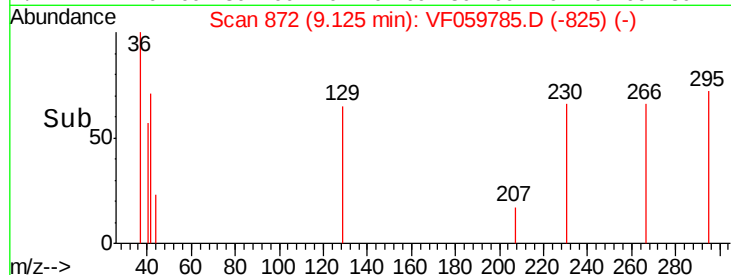
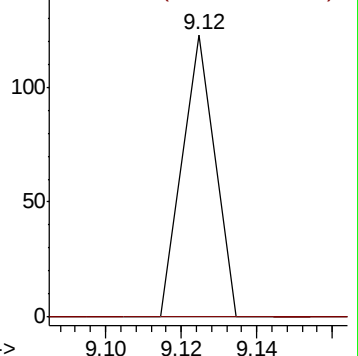
129 100

127 0.0 37.7 113.1#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#62

4-Bromofluorobenzene

Concen: 62.90 ug/l

RT: 11.88 min Scan# 1152

Delta R.T. 0.37 min

Lab File: VF059785.D

Acq: 2 Aug 2018 6:41

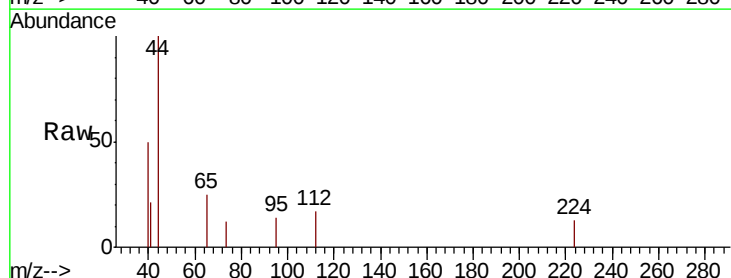
Tgt Ion: 95 Resp: 70

Ion Ratio Lower Upper

95 100

174 0.0 0.0 178.4

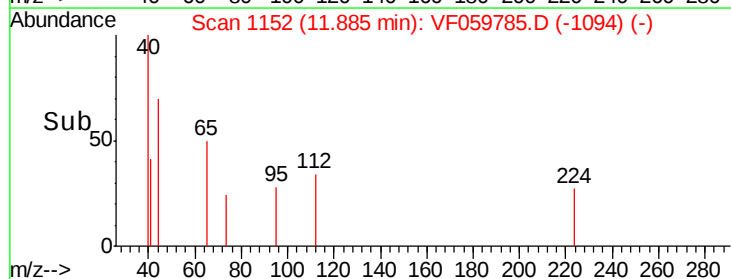
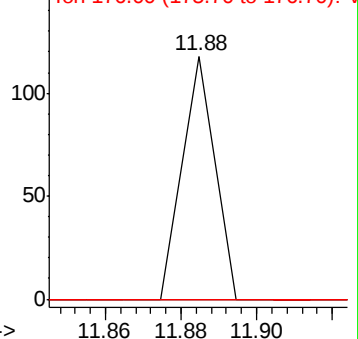
176 0.0 0.0 173.0

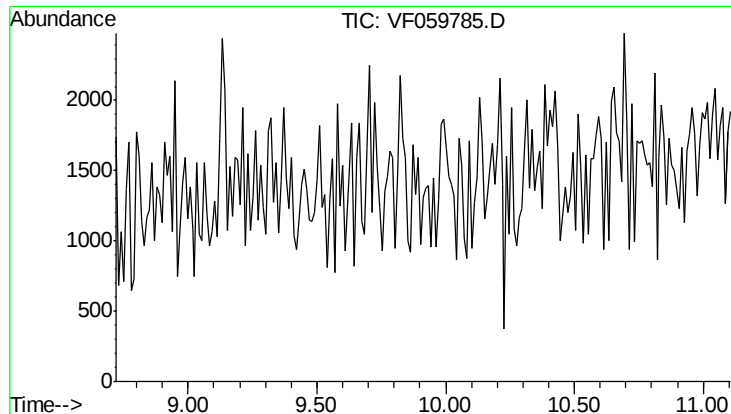


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



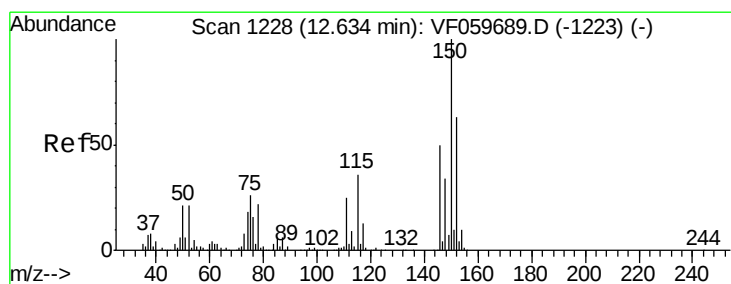
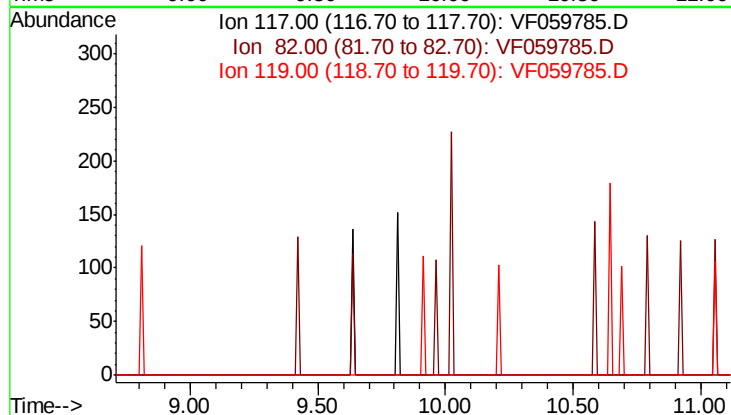


#63
 Chlorobenzene-d5
 Concen: 0.00 ug/l
 Expected RT: 9.91 min

Lab File: VF059785.D
 Acq: 2 Aug 2018 6:41

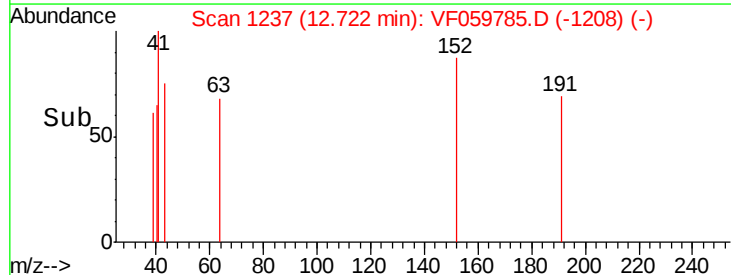
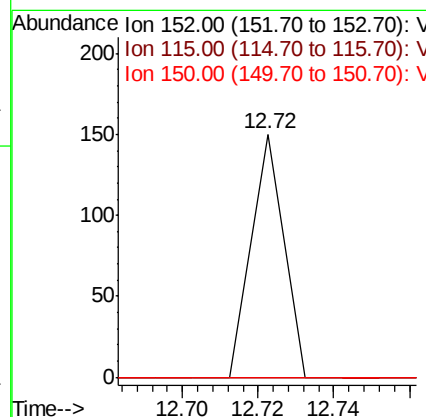
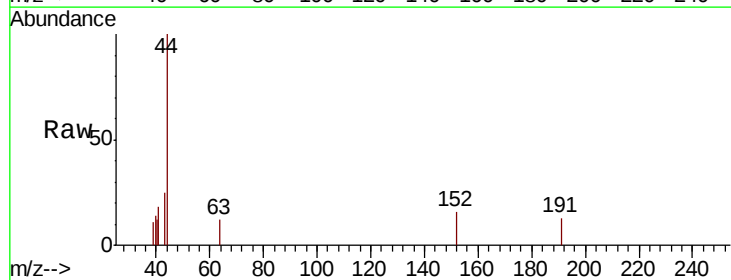
Instrument :
 MSVOA_F
 ClientSampleId :
 FK-BPM-03-001-C

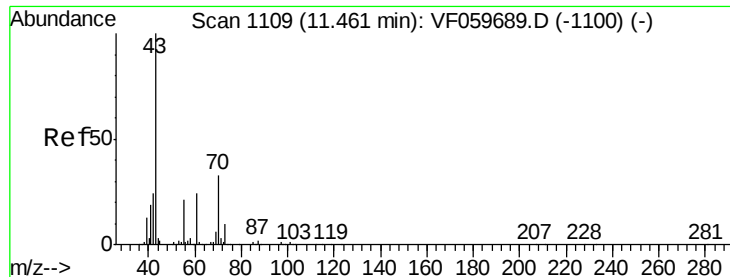
Tot Ion: 117
 Sig Exp Ratio
 117 100
 82 61.2
 119 34.1



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.72 min Scan# 1237
 Delta R.T. 0.09 min
 Lab File: VF059785.D
 Acq: 2 Aug 2018 6:41

Tgt Ion:152 Resp: 89
 Ion Ratio Lower Upper
 152 100
 115 0.0 28.2 84.6#
 150 0.0 0.0 316.2





#74

N-amvl acetate

Concen: 122.17 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VF059785.D

Acq: 2 Aug 2018 6:41

Instrument :

MSVOA_F

ClientSampleId :

FK-BPM-03-001-C

Tot Ion: 43 Resp: 180

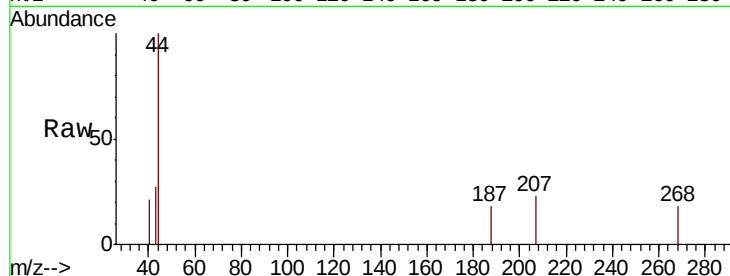
Ion Ratio Lower Upper

43 100

70 0.0 26.3 39.5#

55 0.0 16.6 25.0#

61 0.0 19.1 28.7#

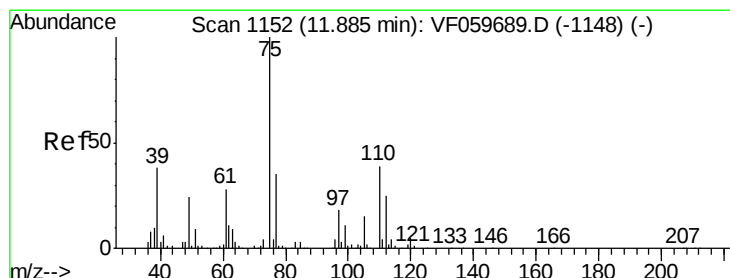
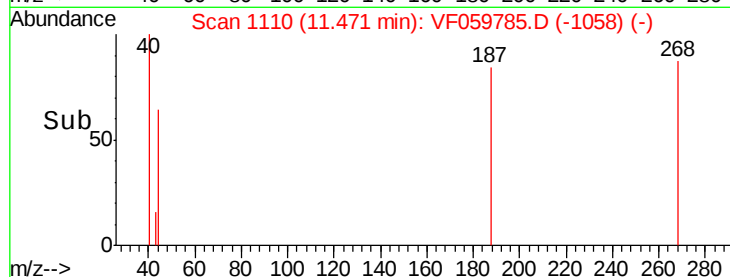
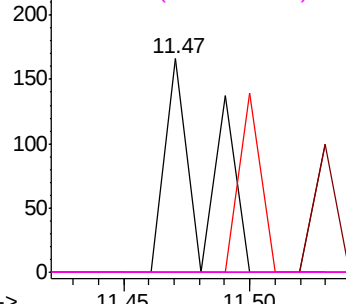


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#76

1,2,3-Trichloropropane

Concen: 74.89 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.08 min

Lab File: VF059785.D

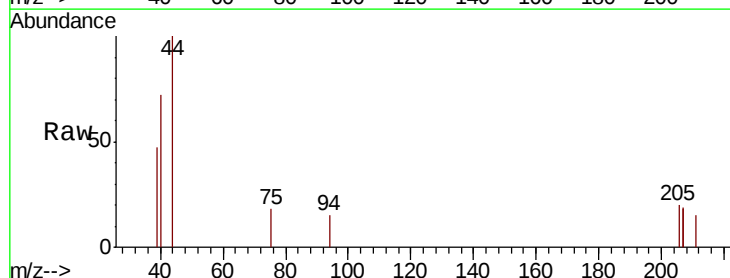
Acq: 2 Aug 2018 6:41

Tgt Ion: 75 Resp: 70

Ion Ratio Lower Upper

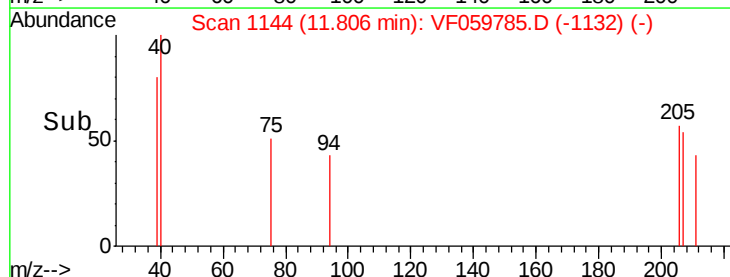
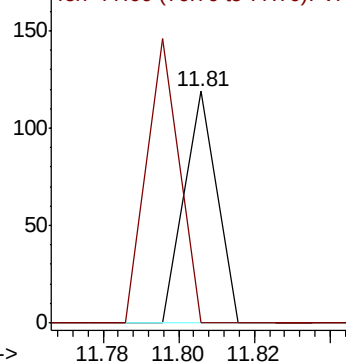
75 100

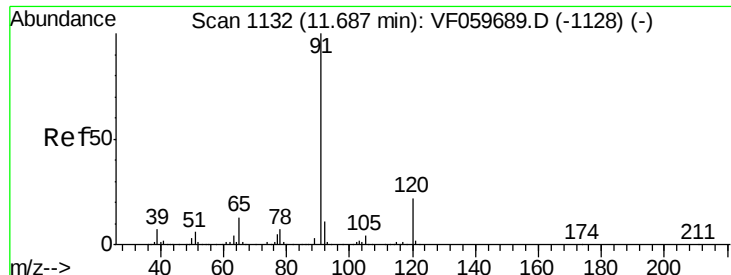
77 0.0 18.0 54.0#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#78

n-propylbenzene

Concen: 9.10 ug/l

RT: 11.56 min Scan# 1119

Delta R.T. -0.13 min

Lab File: VF059785.D

Acq: 2 Aug 2018 6:41

Instrument :

MSVOA_F

ClientSampleId :

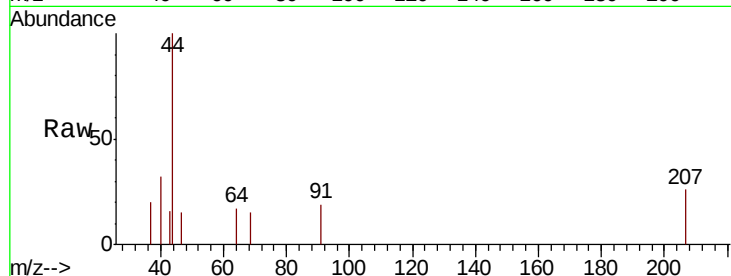
FK-BPM-03-001-C

Tot Ion: 91 Resp: 79

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

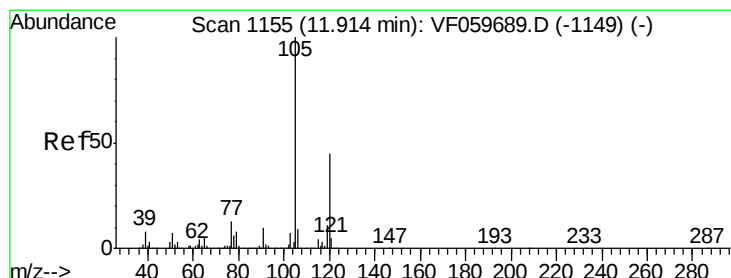
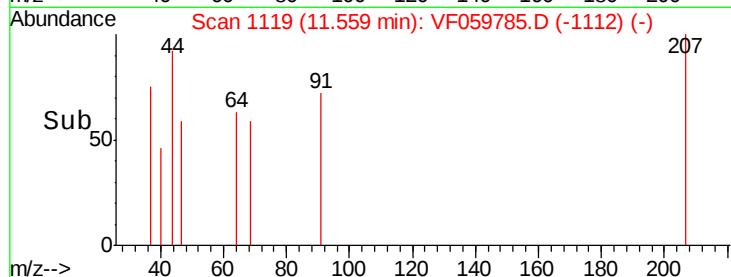
11.56

100

50

0

Time--> 11.52 11.54 11.56 11.58



#80

1,3,5-Trimethylbenzene

Concen: 14.98 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. -0.10 min

Lab File: VF059785.D

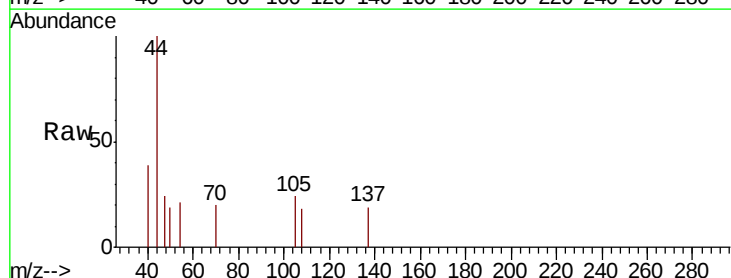
Acq: 2 Aug 2018 6:41

Tgt Ion:105 Resp: 85

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

11.82

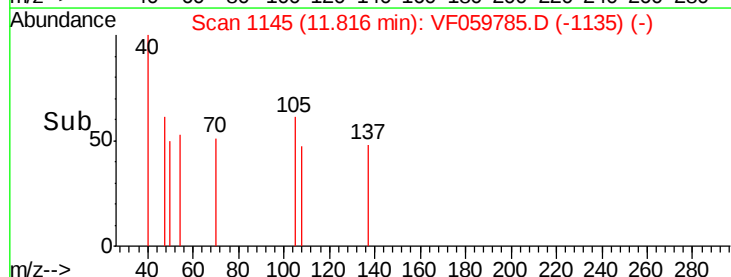
150

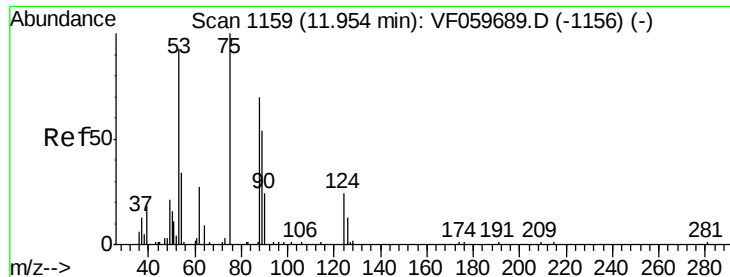
100

50

0

Time--> 11.78 11.80 11.82 11.84

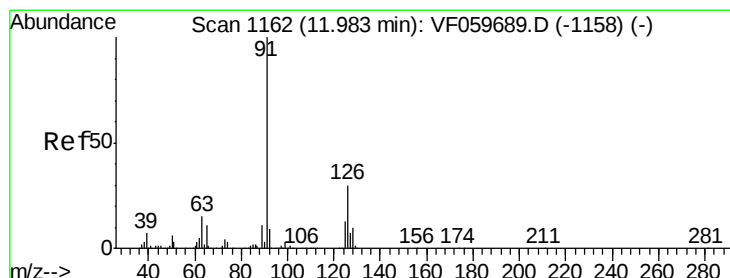
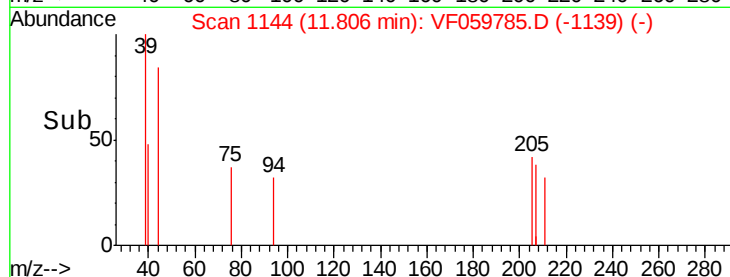
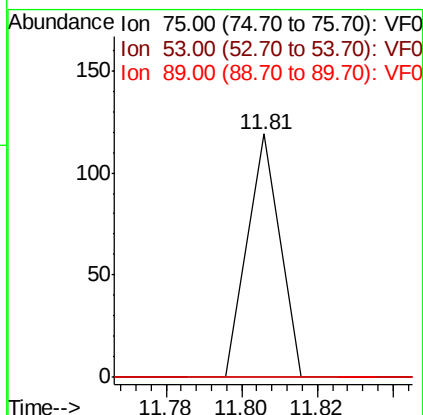
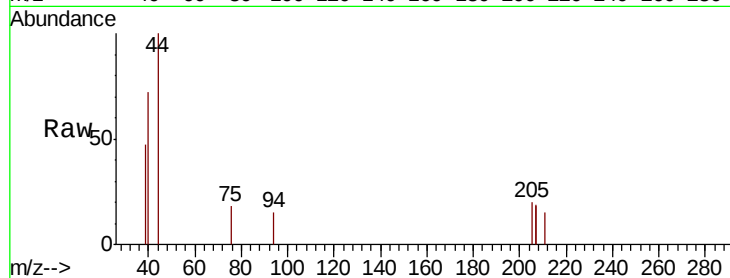




#81
trans-1,4-Dichloro-2-butene
Concen: 180.83 ug/l
RT: 11.81 min Scan# 1144
Delta R.T. -0.15 min
Lab File: VF059785.D
Acq: 2 Aug 2018 6:41

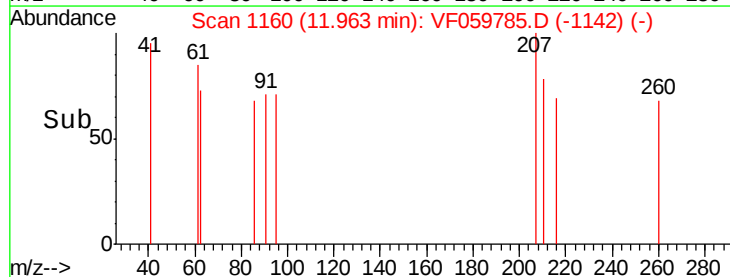
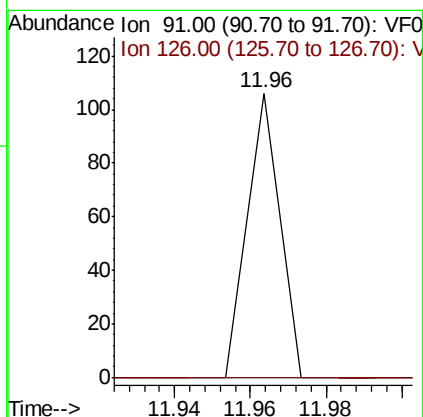
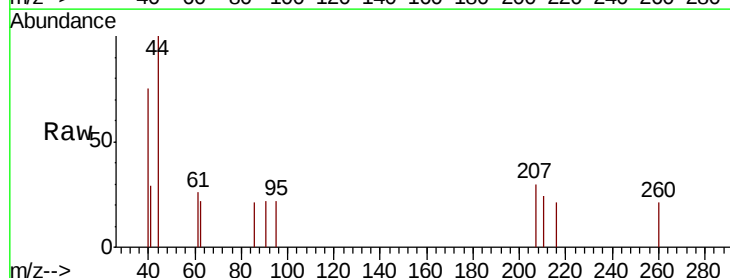
Instrument :
MSVOA_F
ClientSampleId :
FK-BPM-03-001-C

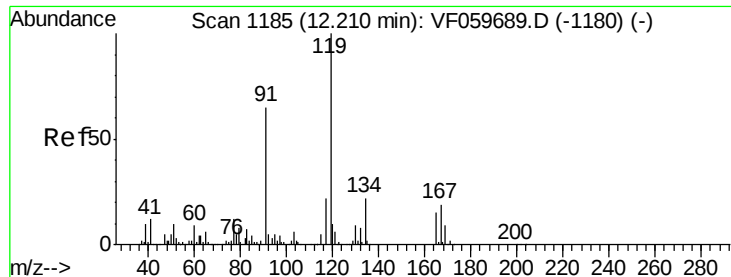
Tot Ion: 75 Resp: 70
Ion Ratio Lower Upper
75 100
53 0.0 78.3 117.5#
89 0.0 45.4 68.2#



#82
4-Chlorotoluene
Concen: 12.66 ug/l
RT: 11.96 min Scan# 1160
Delta R.T. -0.02 min
Lab File: VF059785.D
Acq: 2 Aug 2018 6:41

Tgt Ion: 91 Resp: 63
Ion Ratio Lower Upper
91 100
126 0.0 15.2 45.6#





#83

tert-Butylbenzene

Concen: 12.59 ug/l

RT: 12.19 min Scan# 1183

Delta R.T. -0.02 min

Lab File: VF059785.D

Acq: 2 Aug 2018 6:41

Instrument :

MSVOA_F

ClientSampleId :

FK-BPM-03-001-C

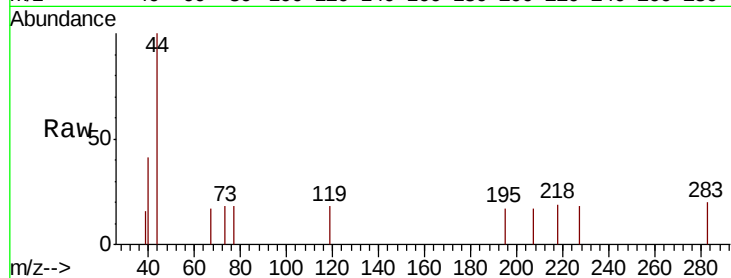
Tot Ion:119 Resp: 66

Ion Ratio Lower Upper

119 100

91 0.0 32.8 98.4#

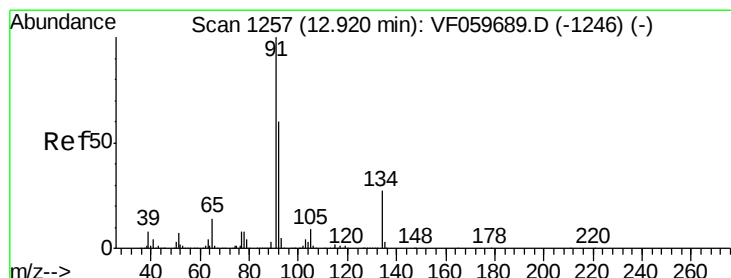
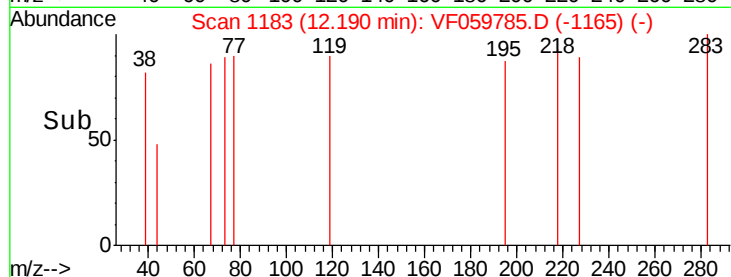
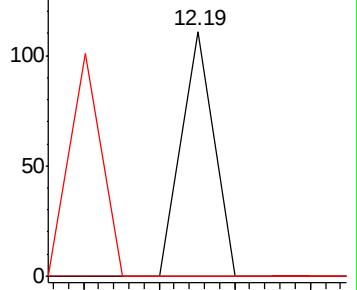
134 0.0 10.9 32.7#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 8.85 ug/l

RT: 12.97 min Scan# 1262

Delta R.T. 0.05 min

Lab File: VF059785.D

Acq: 2 Aug 2018 6:41

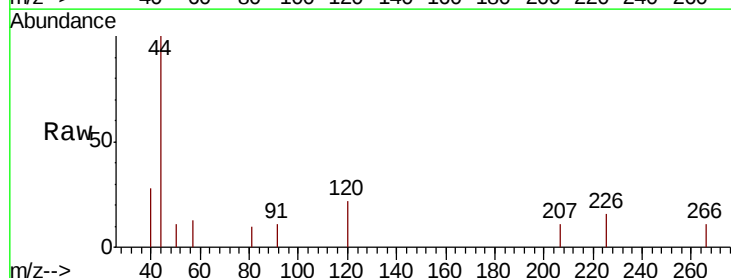
Tgt Ion: 91 Resp: 67

Ion Ratio Lower Upper

91 100

92 0.0 30.1 90.3#

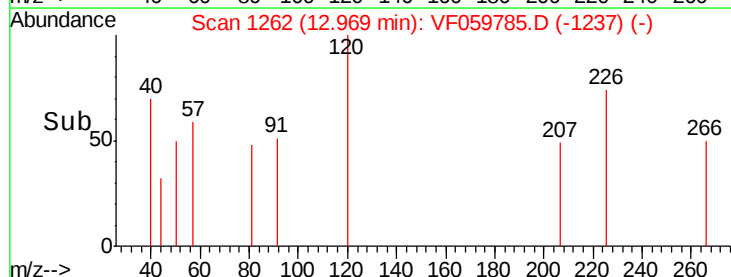
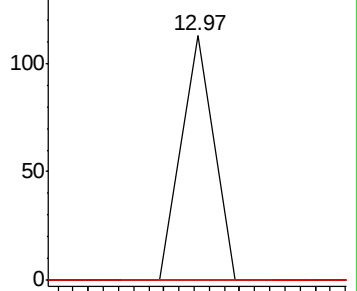
134 0.0 13.7 41.0#

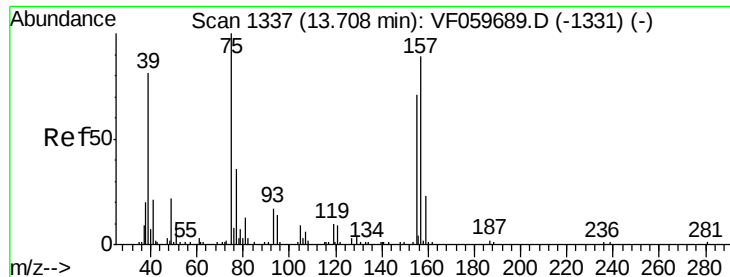


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 271.65 ug/l

RT: 13.82 min Scan# 1348

Delta R.T. 0.11 min

Lab File: VF059785.D

Acq: 2 Aug 2018 6:41

Instrument :

MSVOA_F

ClientSampleId :

FK-BPM-03-001-C

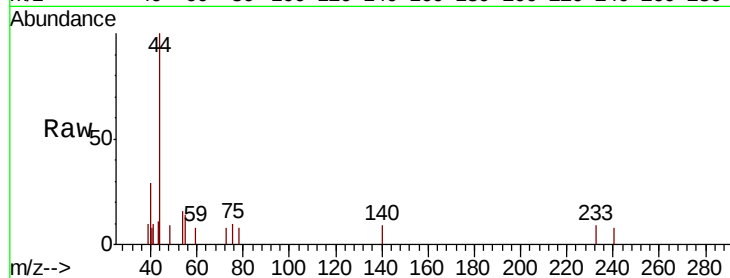
Tot Ion: 75 Resp: 73

Ion Ratio Lower Upper

75 100

155 0.0 35.4 106.2#

157 0.0 44.4 133.2#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

13.82

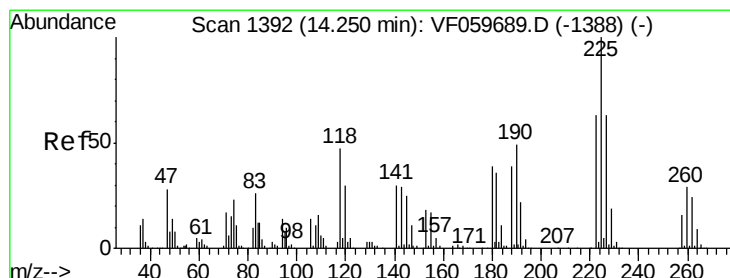
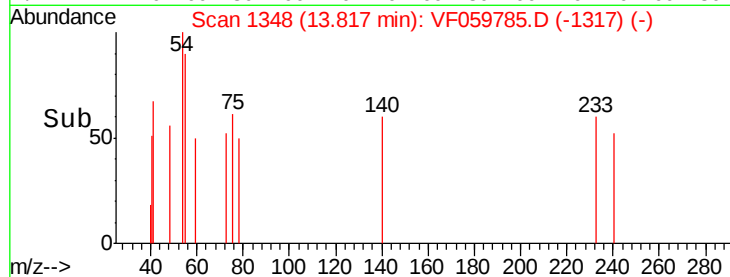
100

50

0

13.78 13.80 13.82 13.84

Time-->



#94

Hexachlorobutadiene

Concen: 51.38 ug/l

RT: 14.30 min Scan# 1397

Delta R.T. 0.05 min

Lab File: VF059785.D

Acq: 2 Aug 2018 6:41

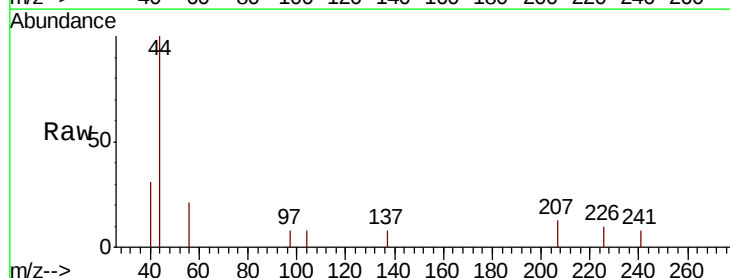
Tgt Ion: 225 Resp: 75

Ion Ratio Lower Upper

225 100

223 0.0 31.4 94.2#

227 0.0 31.5 94.5#



Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

14.30

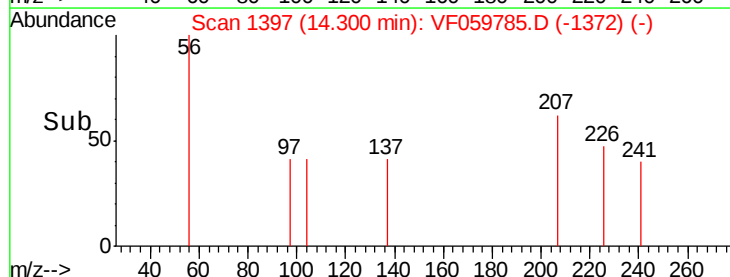
100

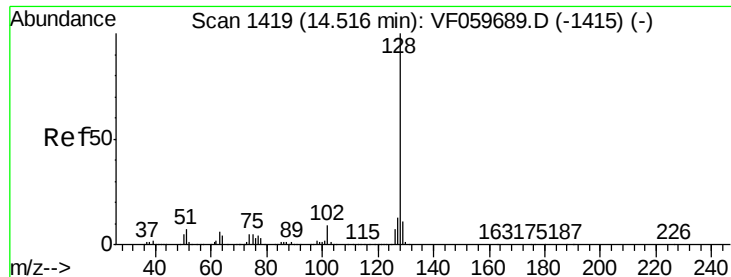
50

0

14.28 14.30 14.32

Time-->





#95

Naphthalene

Concen: 31.79 ug/l

RT: 14.54 min Scan# 1421

Delta R.T. 0.02 min

Lab File: VF059785.D

Acq: 2 Aug 2018 6:41

Instrument :

MSVOA_F

ClientSampleId :

FK-BPM-03-001-C

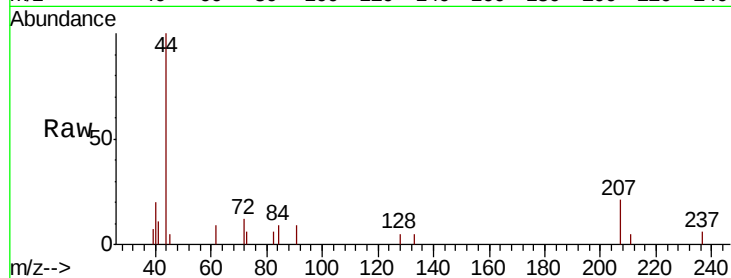
Tot Ion:128 Resp: 122

Ion Ratio Lower Upper

128 100

127 0.0 10.0 15.0#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

