

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080118\
 Data File : VF059786.D
 Acq On : 2 Aug 2018 7:08
 Operator : VA/AP
 Sample : J4257-08
 Misc : 9.60µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

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

Quant Time: Aug 02 07:51:32 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	4.94	168	64	50.00	ug/l	-0.10
34) 1,4-Difluorobenzene	5.55	114	79	50.00	ug/l	-0.22
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-9.91
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.63

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.92	65	73	63.47	ug/l	-0.10
Spiked Amount	50.000		Recovery	=	126.94%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	11.07	95	76	71.75	ug/l	-0.44
Spiked Amount	50.000		Recovery	=	143.50%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.82	85	63	92.28	ug/l #	44
3) Chloromethane	1.02	50	134	394.46	ug/l #	38
5) Bromomethane	1.37	94	66	216.54	ug/l #	4
6) Chloroethane	1.38	64	87	389.88	ug/l #	35
7) Trichlorofluoromethane	1.38	101	89	74.47	ug/l #	18
8) Diethyl Ether	1.60	74	60	293.60	ug/l #	1
11) Tert butyl alcohol	2.65	59	92	1993.92	ug/l #	74
12) 1,1-Dichloroethene	1.74	96	59	119.04	ug/l #	1
13) Acrolein	2.17	56	83	3213.29	ug/l #	4
14) Allyl chloride	2.13	41	151	190.82	ug/l #	1
15) Acrylonitrile	3.07	53	79	1062.80	ug/l #	7
16) Acetone	2.21	43	161	778.19	ug/l #	68
17) Carbon Disulfide	1.80	76	60	60.33	ug/l #	71
18) Methyl Acetate	2.40	43	82	277.99	ug/l #	64
22) Diisopropyl ether	2.79	45	131	78.28	ug/l #	33
24) 1,1-Dichloroethane	2.84	63	141	121.28	ug/l #	91
25) 2-Butanone	4.42	43	229	991.82	ug/l #	74
26) 2,2-Dichloropropane	3.70	77	106	127.90	ug/l #	1
27) cis-1,2-Dichloroethene	3.54	96	63	101.19	ug/l	1
28) Bromochloromethane	3.85	49	62	163.49	ug/l #	15
29) Tetrahydrofuran	4.20	42	66	743.74	ug/l #	18
30) Chloroform	4.06	83	79	48.15	ug/l #	20
31) Cyclohexane	3.89	56	62	115.43	ug/l #	15
32) 1,1,1-Trichloroethane	4.25	97	67	52.64	ug/l #	22
37) Ethyl Acetate	4.18	43	92	252.10	ug/l #	19
39) Methylcyclohexane	5.41	83	64	110.18	ug/l #	13
40) Benzene	4.59	78	80	50.14	ug/l #	1
41) Methacrylonitrile	4.78	41	77	407.25	ug/l #	24
43) Isopropyl Acetate	6.79	43	218	461.49	ug/l #	46
44) Trichloroethene	5.45	130	88	177.92	ug/l	2
46) Dibromomethane	5.97	93	77	192.50	ug/l #	8
47) Bromodichloromethane	6.30	83	69	63.34	ug/l #	25
48) Methyl methacrylate	6.55	41	133	374.32	ug/l #	47
49) 1,4-Dioxane	6.43	88	85	13508.10	ug/l #	21

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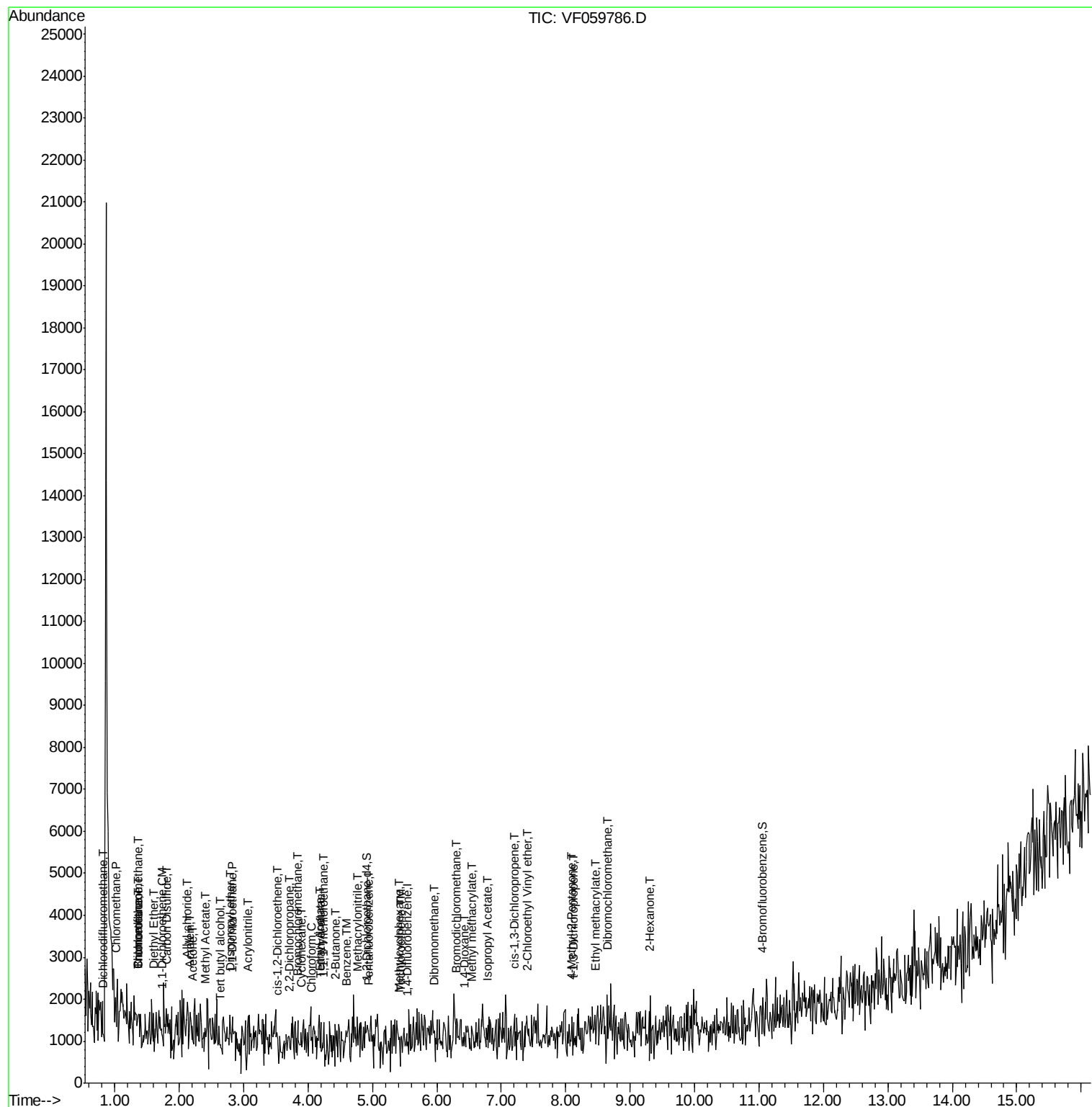
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) 4-Methyl-2-Pentanone	8.08	43	68	189.24	ug/l #	42
53) t-1,3-Dichloropropene	8.13	75	69	73.00	ug/l #	41
54) cis-1,3-Dichloropropene	7.21	75	87	95.03	ug/l #	18
56) Ethyl methacrylate	8.45	69	62	137.59	ug/l #	14
58) 2-Chloroethyl Vinyl ether	7.39	63	81	1556.91	ug/l	100
59) 2-Hexanone	9.31	43	87	302.13	ug/l #	30
60) Dibromochloromethane	8.63	129	69	90.50	ug/l #	12

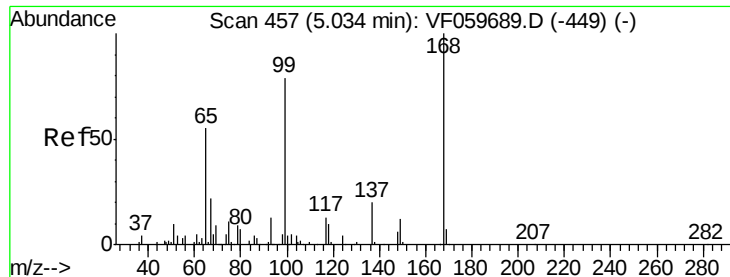
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.94 min Scan# 447

Delta R.T. -0.10 min

Lab File: VF059786.D

Acq: 2 Aug 2018 7:08

Instrument :

MSVOA_F

ClientSampleId :

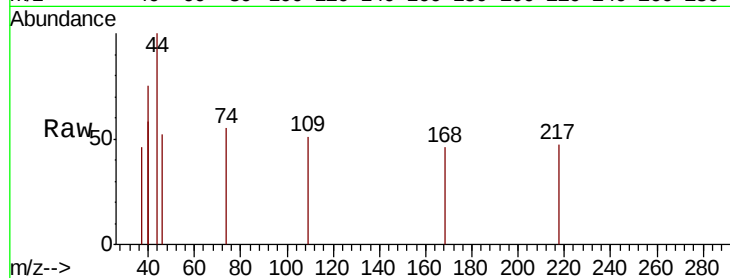
FK-BPM-03-001-D

Tot Ion:168 Resp: 64

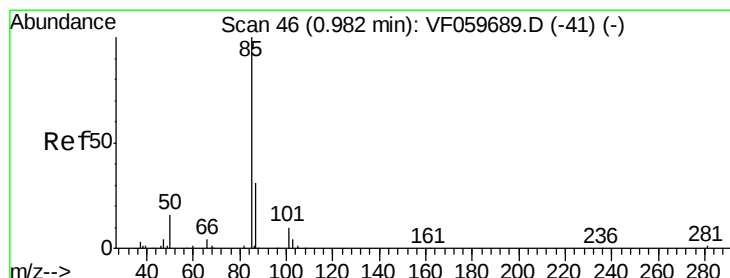
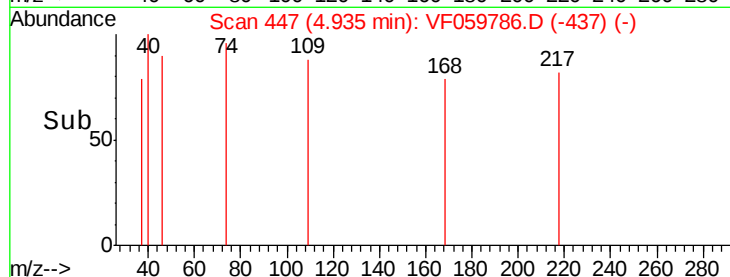
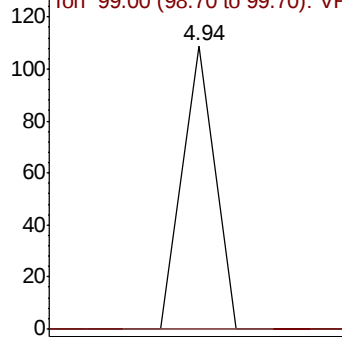
Ion Ratio Lower Upper

168 100

99 0.0 63.3 94.9#



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 92.28 ug/l

RT: 0.82 min Scan# 30

Delta R.T. -0.16 min

Lab File: VF059786.D

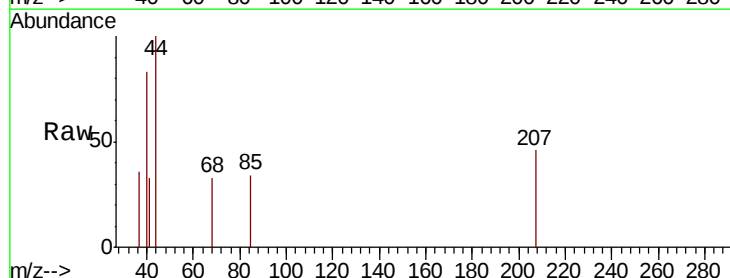
Acq: 2 Aug 2018 7:08

Tgt Ion: 85 Resp: 63

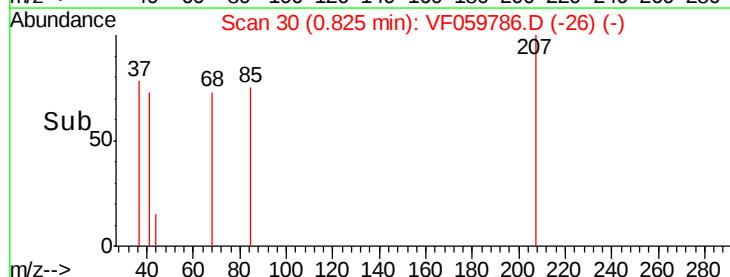
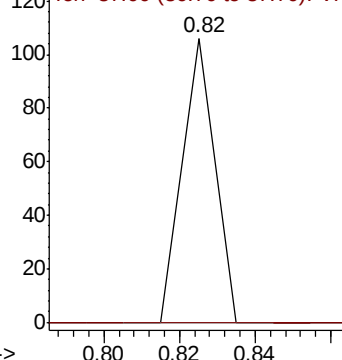
Ion Ratio Lower Upper

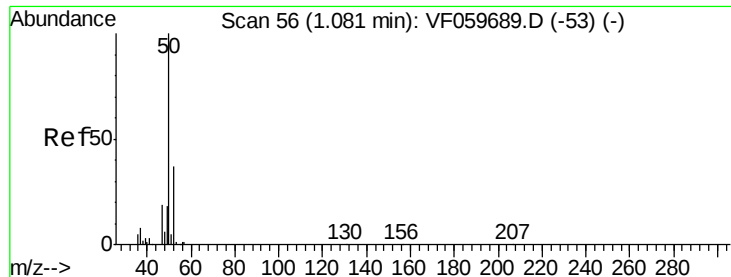
85 100

87 0.0 15.3 45.8#



Abundance Ion 85.00 (84.70 to 85.70): VF0

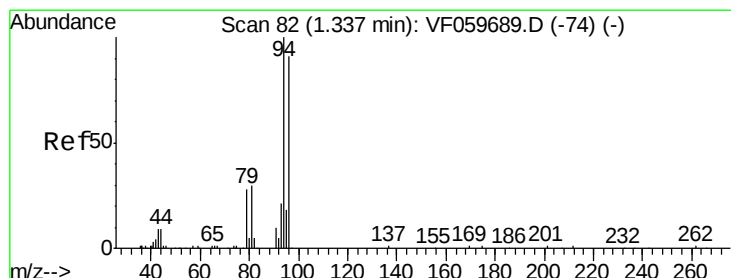
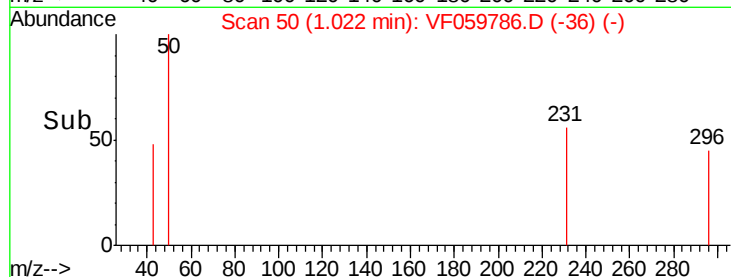
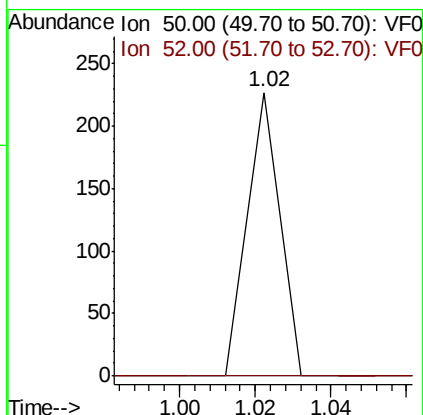
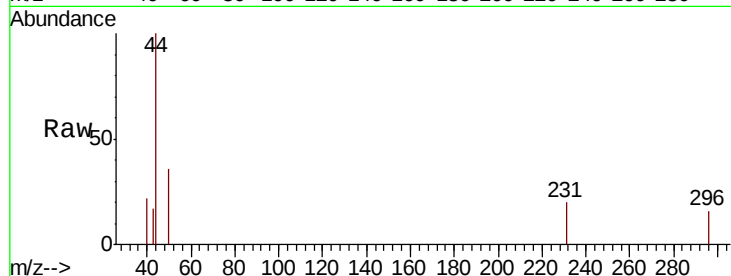




#3
Chloromethane
Concen: 394.46 ug/l
RT: 1.02 min Scan# 50
Delta R.T. -0.06 min
Lab File: VF059786.D
Acq: 2 Aug 2018 7:08

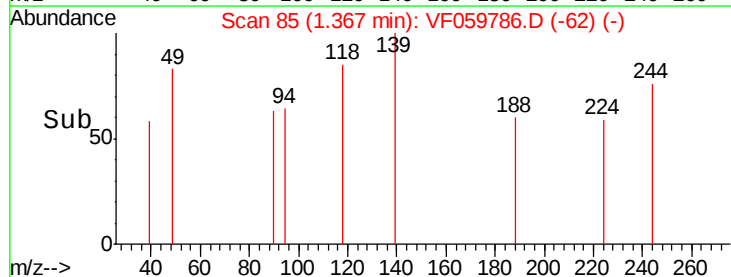
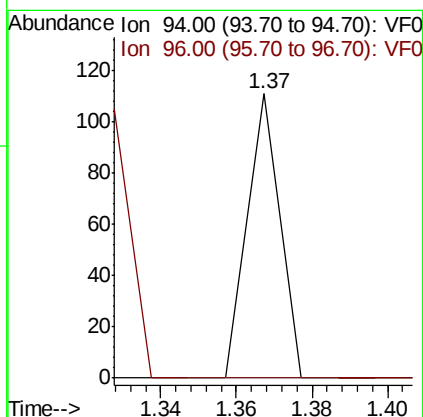
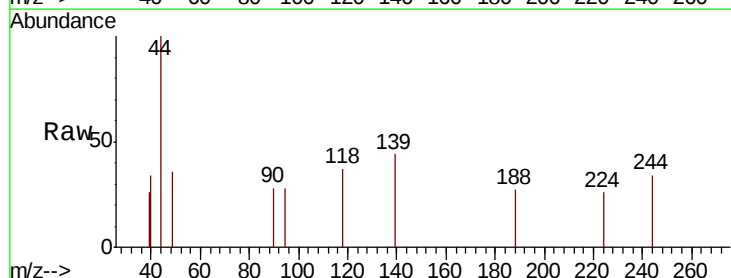
Instrument :
MSVOA_F
ClientSampleId :
FK-BPM-03-001-D

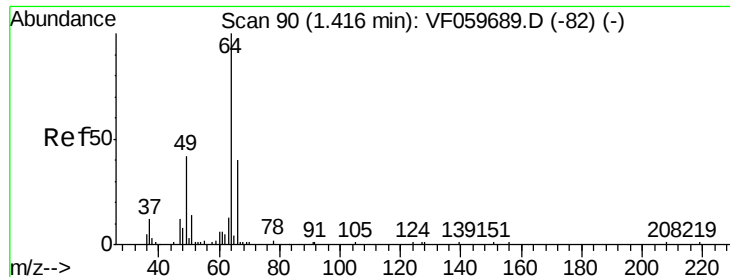
Tot Ion: 50 Resp: 134
Ion Ratio Lower Upper
50 100
52 0.0 29.1 43.7#



#5
Bromomethane
Concen: 216.54 ug/l
RT: 1.37 min Scan# 85
Delta R.T. 0.03 min
Lab File: VF059786.D
Acq: 2 Aug 2018 7:08

Tgt Ion: 94 Resp: 66
Ion Ratio Lower Upper
94 100
96 0.0 73.6 110.4#





#6

Chloroethane

Concen: 389.88 ug/l

RT: 1.38 min Scan# 86

Delta R.T. -0.04 min

Lab File: VF059786.D

Acq: 2 Aug 2018 7:08

Instrument :

MSVOA_F

ClientSampleId :

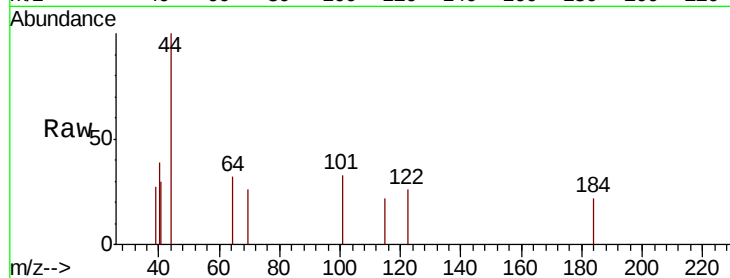
FK-BPM-03-001-D

Tot Ion: 64 Resp: 87

Ion Ratio Lower Upper

64 100

66 0.0 32.6 49.0#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

1.38

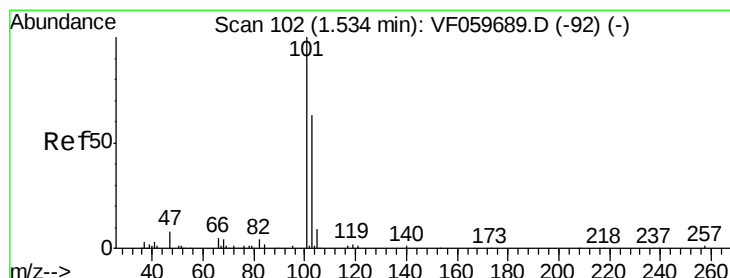
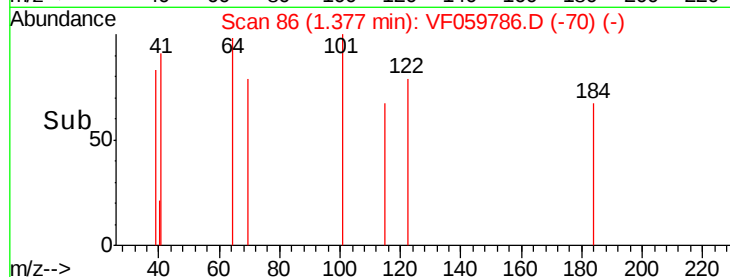
150

100

50

0

Time--> 1.34 1.36 1.38 1.40



#7

Trichlorofluoromethane

Concen: 74.47 ug/l

RT: 1.38 min Scan# 86

Delta R.T. -0.16 min

Lab File: VF059786.D

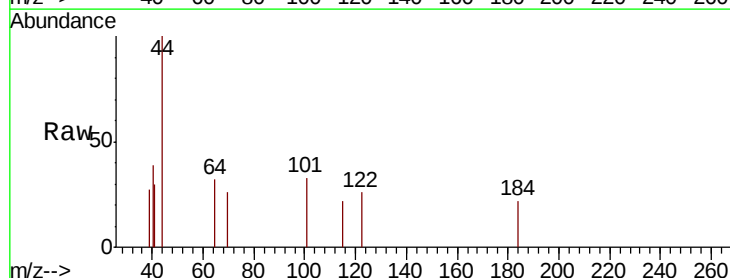
Acq: 2 Aug 2018 7:08

Tgt Ion: 101 Resp: 89

Ion Ratio Lower Upper

101 100

103 0.0 50.8 76.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.38

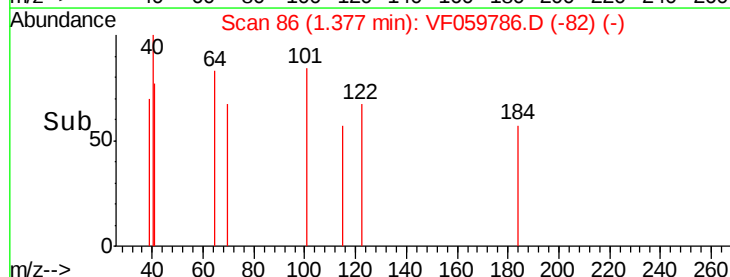
150

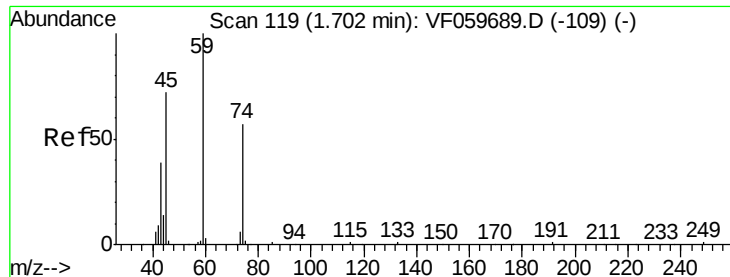
100

50

0

Time--> 1.34 1.36 1.38 1.40





#8

Diethyl Ether

Concen: 293.60 ug/l

RT: 1.60 min Scan# 109

Delta R.T. -0.10 min

Lab File: VF059786.D

Acq: 2 Aug 2018 7:08

Instrument :

MSVOA_F

ClientSampleId :

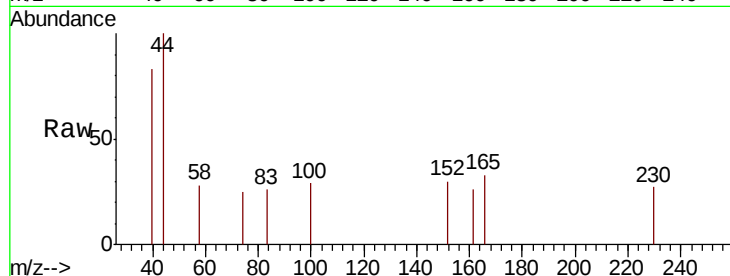
FK-BPM-03-001-D

Tot Ion: 74 Resp: 60

Ion Ratio Lower Upper

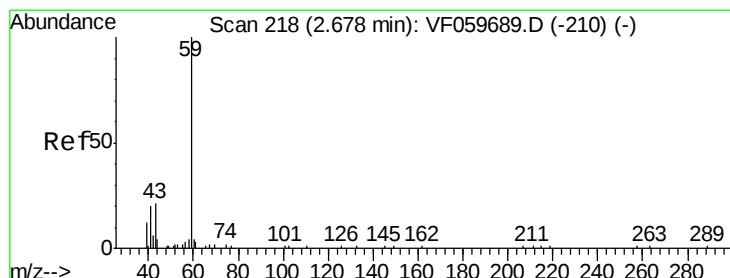
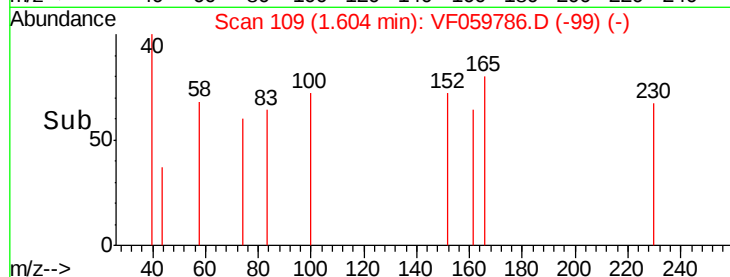
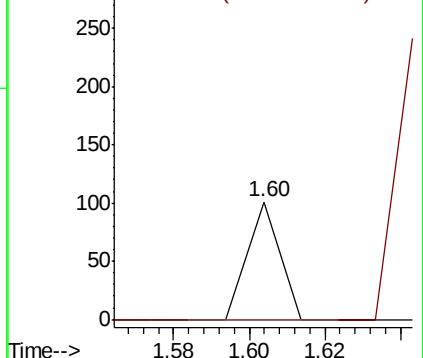
74 100

45 0.0 62.7 188.2#



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



#11

Tert butyl alcohol

Concen: 1993.92 ug/l

RT: 2.65 min Scan# 215

Delta R.T. -0.03 min

Lab File: VF059786.D

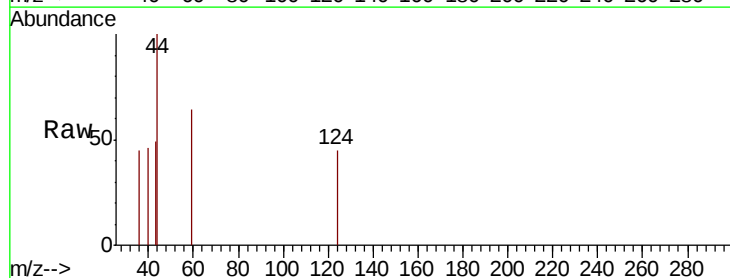
Acq: 2 Aug 2018 7:08

Tgt Ion: 59 Resp: 92

Ion Ratio Lower Upper

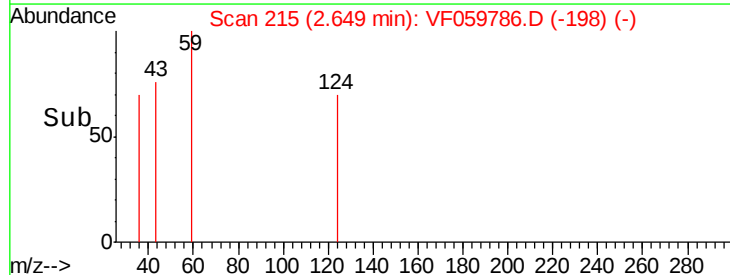
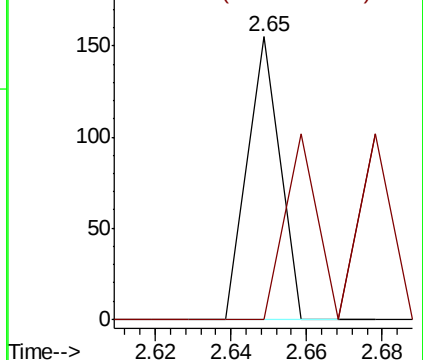
59 100

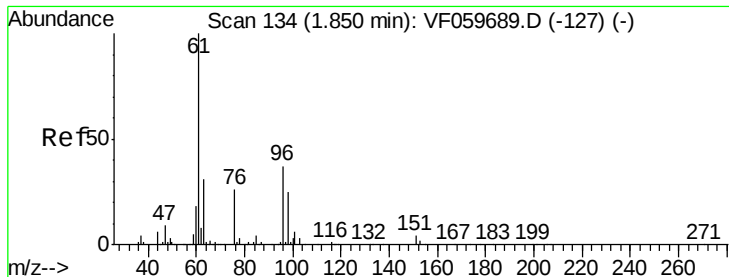
57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#12

1,1-Dichloroethene

Concen: 119.04 ug/l

RT: 1.74 min Scan# 123

Delta R.T. -0.11 min

Lab File: VF059786.D

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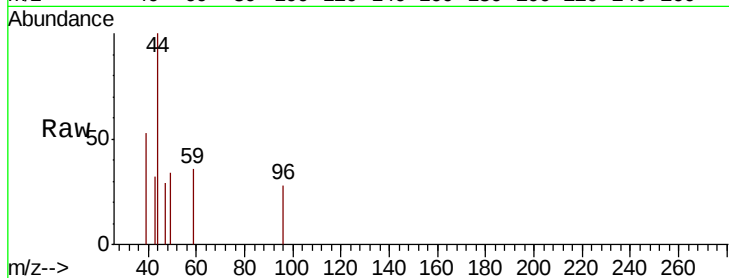
Tot Ion: 96 Resp: 59

Ion Ratio Lower Upper

96 100

61 0.0 215.1 322.7#

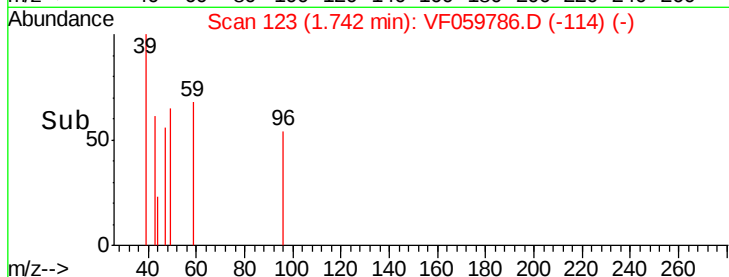
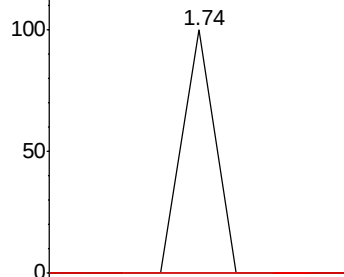
98 0.0 54.3 81.5#



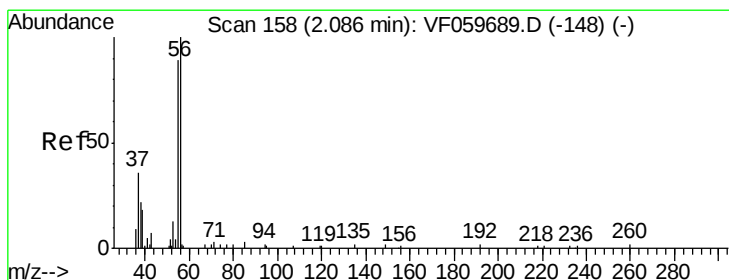
Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



Time-->



#13

Acrolein

Concen: 3213.29 ug/l

RT: 2.17 min Scan# 166

Delta R.T. 0.08 min

Lab File: VF059786.D

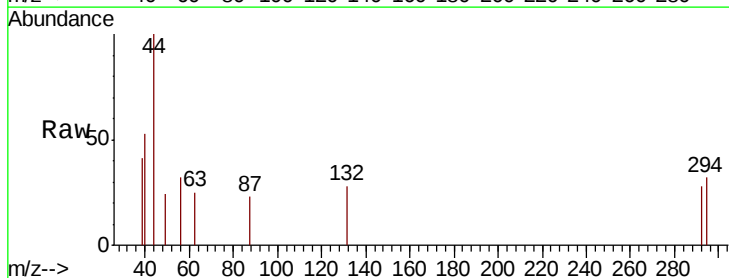
Acq: 2 Aug 2018 7:08

Tgt Ion: 56 Resp: 83

Ion Ratio Lower Upper

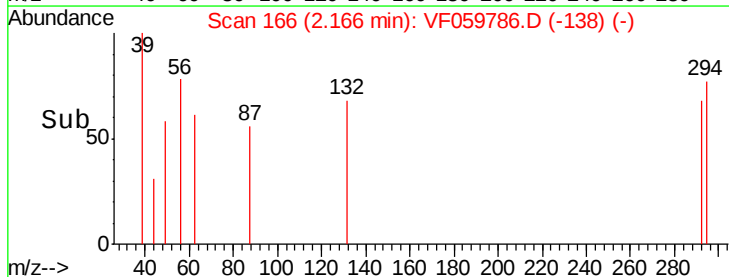
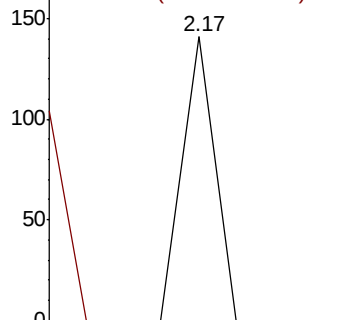
56 100

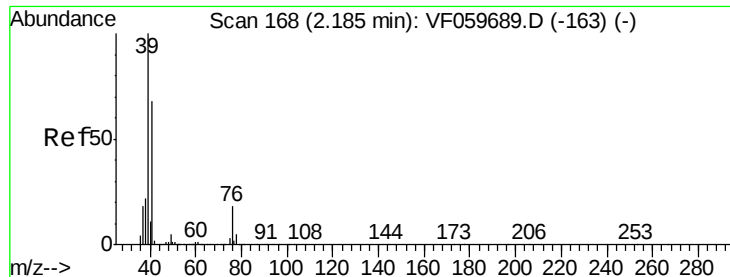
55 0.0 73.2 109.8#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

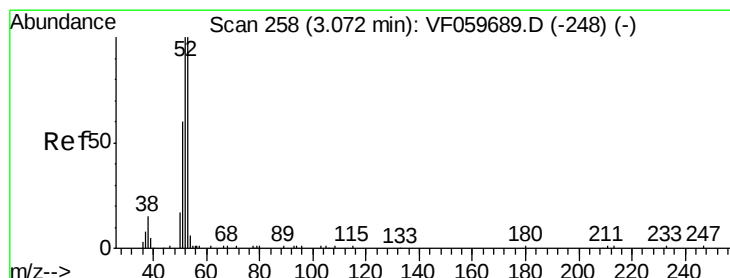
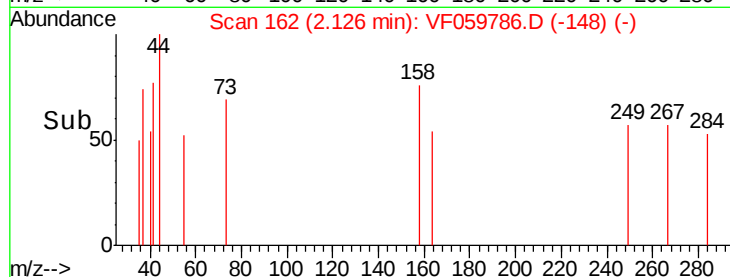
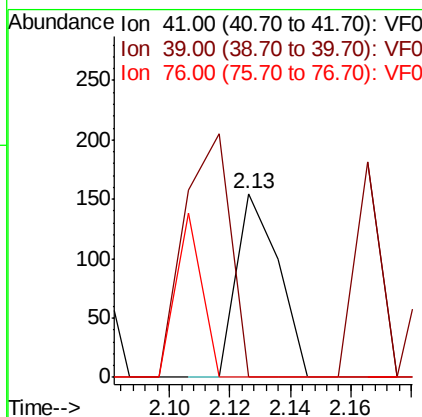
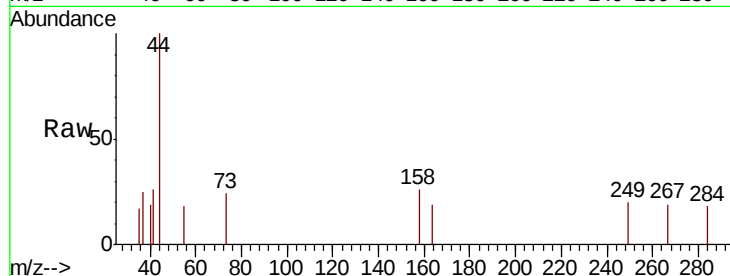




#14
 Allvl chloride
 Concen: 190.82 ug/l
 RT: 2.13 min Scan# 162
 Delta R.T. -0.06 min
 Lab File: VF059786.D
 Acq: 2 Aug 2018 7:08

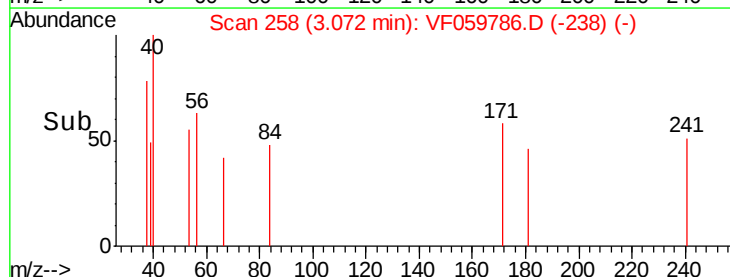
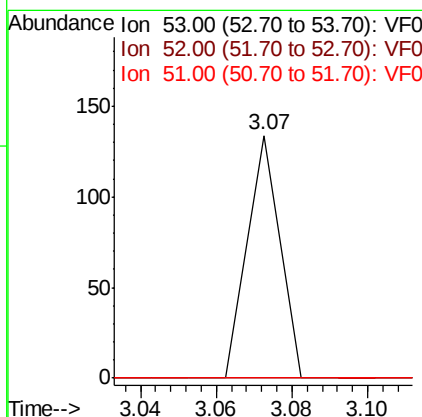
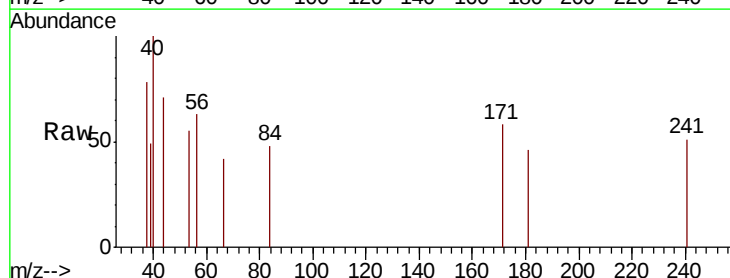
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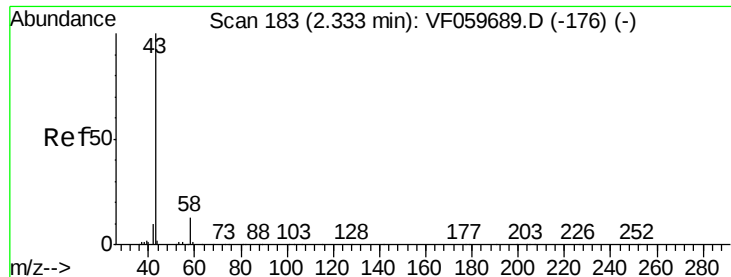
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	118.1	177.1#
76	0.0	22.0	33.0#



#15
 Acrylonitrile
 Concen: 1062.80 ug/l
 RT: 3.07 min Scan# 258
 Delta R.T. 0.00 min
 Lab File: VF059786.D
 Acq: 2 Aug 2018 7:08

Tgt Ion	Ratio	Lower	Upper
53	100		
52	0.0	80.3	120.5#
51	0.0	49.4	74.0#





#16

Acetone

Concen: 778.19 ug/l

RT: 2.21 min Scan# 170

Delta R.T. -0.13 min

Lab File: VF059786.D

Acq: 2 Aug 2018 7:08

Instrument :

MSVOA_F

ClientSampleId :

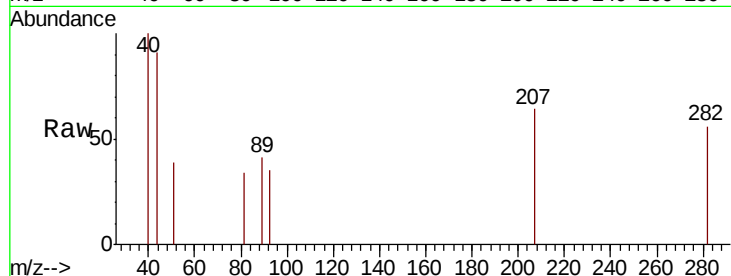
FK-BPM-03-001-D

Tot Ion: 43 Resp: 161

Ion Ratio Lower Upper

43 100

58 0.0 10.1 15.1#



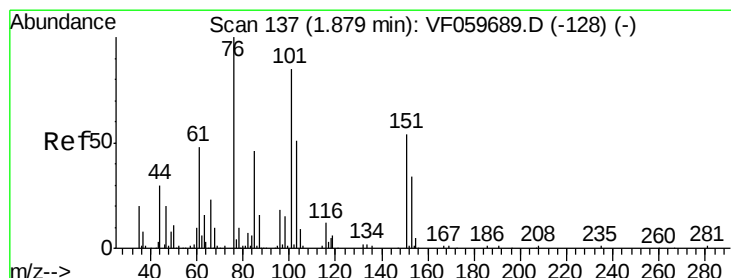
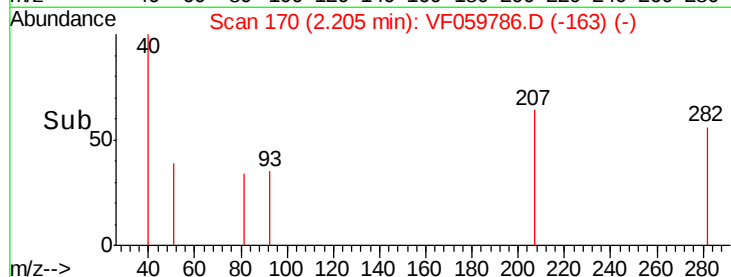
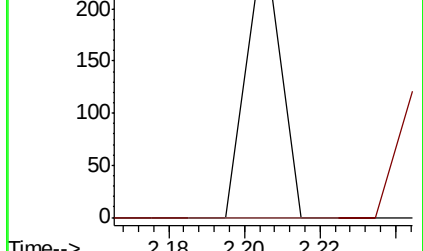
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.21

2.20

2.22



#17

Carbon Disulfide

Concen: 60.33 ug/l

RT: 1.80 min Scan# 129

Delta R.T. -0.08 min

Lab File: VF059786.D

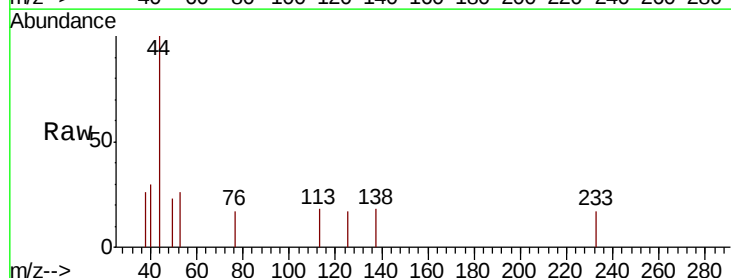
Acq: 2 Aug 2018 7:08

Tgt Ion: 76 Resp: 60

Ion Ratio Lower Upper

76 100

78 0.0 8.9 13.3#



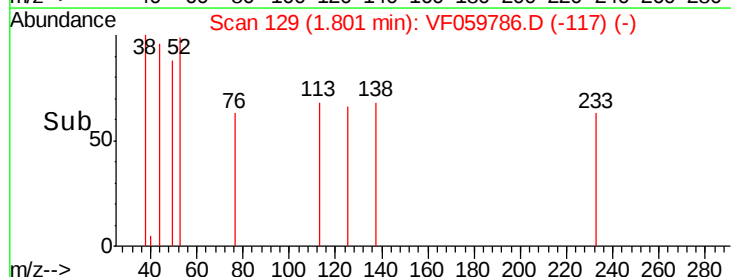
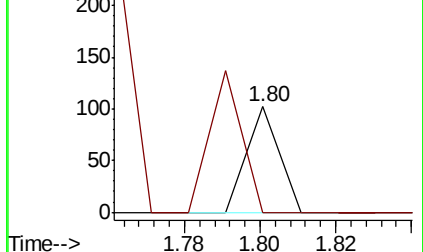
Abundance Ion 76.00 (75.70 to 76.70): VF0

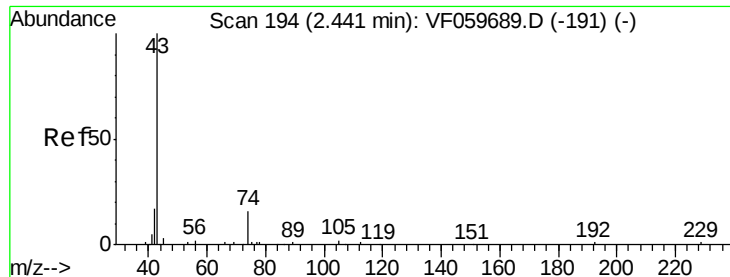
Ion 78.00 (77.70 to 78.70): VF0

1.80

1.78

1.82

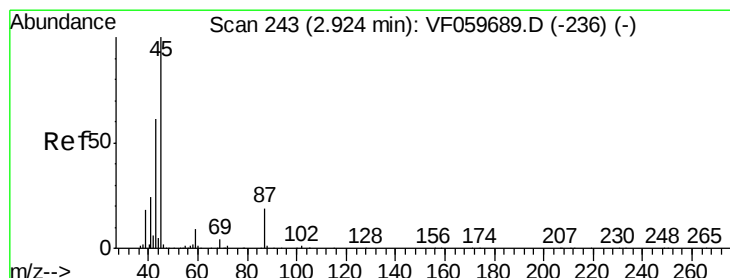
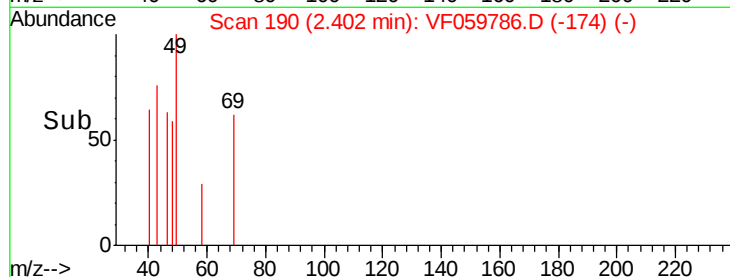
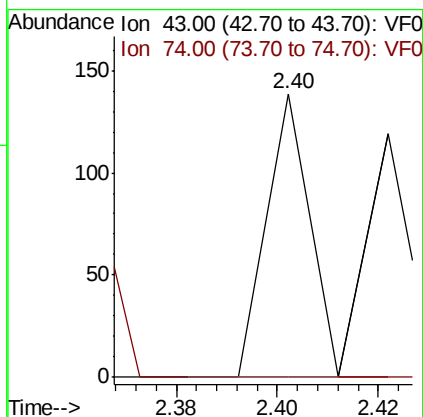
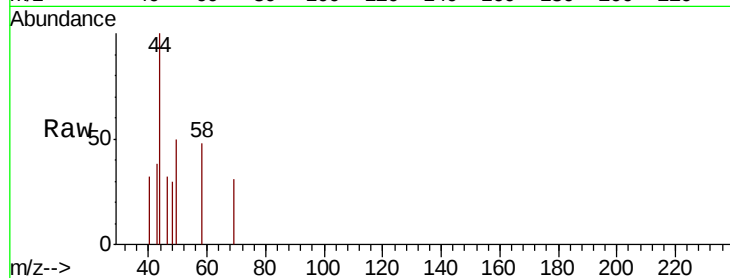




#18
Methyl Acetate
Concen: 277.99 ug/l
RT: 2.40 min Scan# 190
Delta R.T. -0.04 min
Lab File: VF059786.D
Acq: 2 Aug 2018 7:08

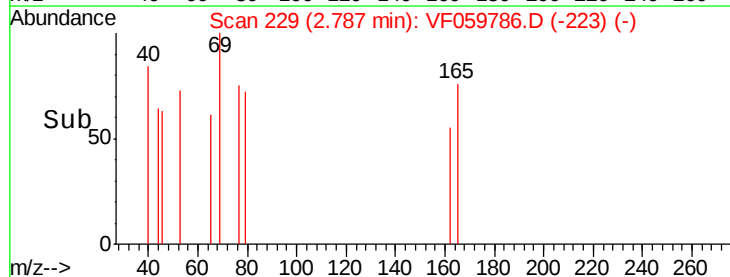
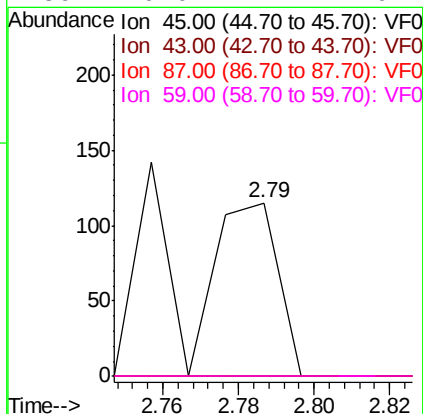
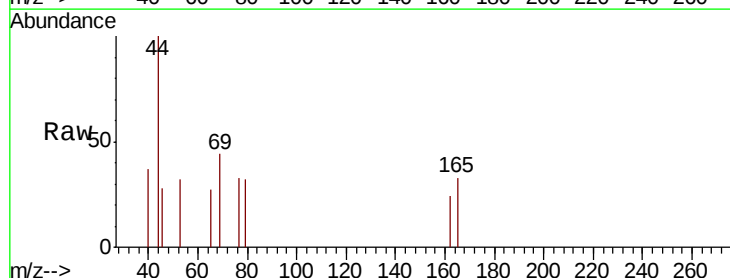
Instrument :
MSVOA_F
ClientSampleId :
FK-BPM-03-001-D

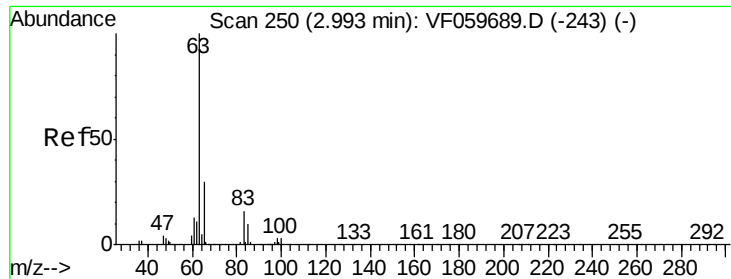
Tot Ion: 43 Resp: 82
Ion Ratio Lower Upper
43 100
74 0.0 11.8 17.6#



#22
Diisopropyl ether
Concen: 78.28 ug/l
RT: 2.79 min Scan# 229
Delta R.T. -0.14 min
Lab File: VF059786.D
Acq: 2 Aug 2018 7:08

Tgt Ion: 45 Resp: 131
Ion Ratio Lower Upper
45 100
43 0.0 49.3 73.9#
87 0.0 15.3 22.9#
59 0.0 7.1 10.7#





#24

1,1-Dichloroethane

Concen: 121.28 ug/l

RT: 2.84 min Scan# 234

Delta R.T. -0.16 min

Lab File: VF059786.D

Acq: 2 Aug 2018 7:08

Instrument :

MSVOA_F

ClientSampleId :

FK-BPM-03-001-D

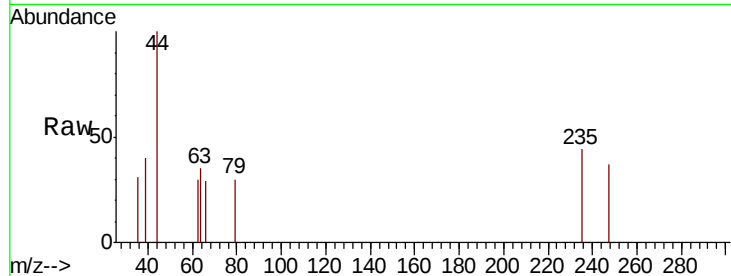
Tot Ion: 63 Resp: 141

Ion Ratio Lower Upper

63 100

98 0.0 1.4 4.2#

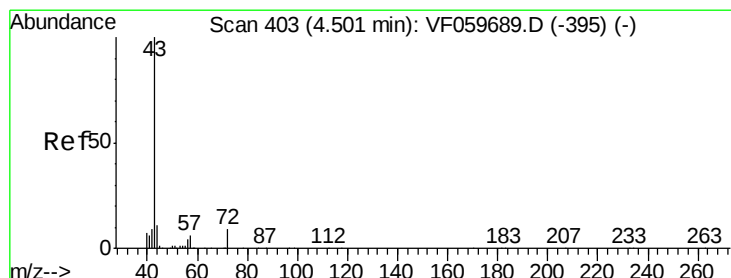
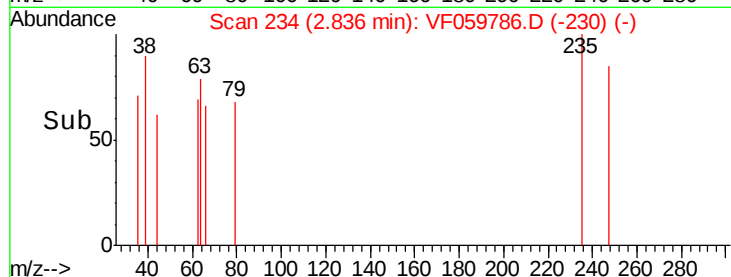
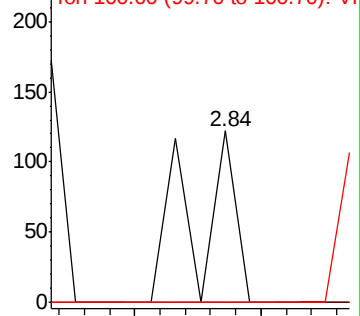
100 0.0 1.6 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#25

2-Butanone

Concen: 991.82 ug/l

RT: 4.42 min Scan# 395

Delta R.T. -0.08 min

Lab File: VF059786.D

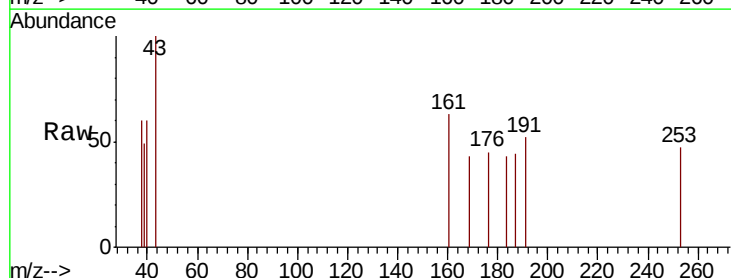
Acq: 2 Aug 2018 7:08

Tgt Ion: 43 Resp: 229

Ion Ratio Lower Upper

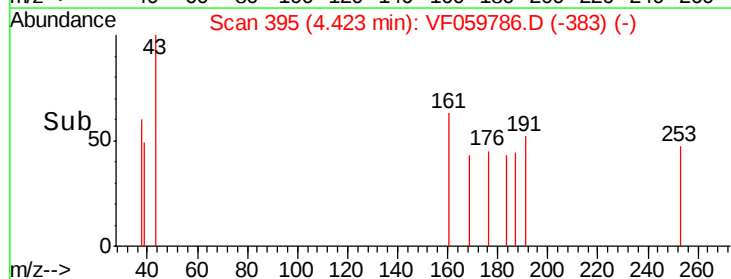
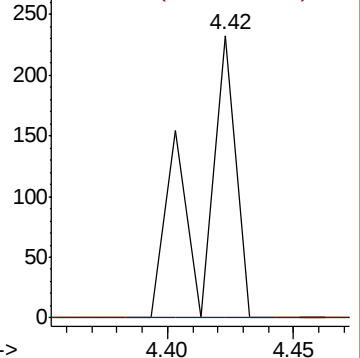
43 100

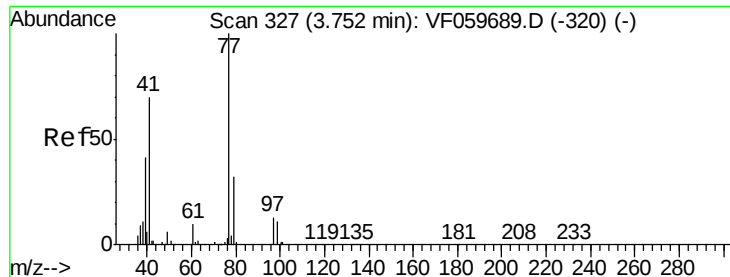
72 0.0 7.7 11.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0





#26

2,2-Dichloropropane

Concen: 127.90 ug/l

RT: 3.70 min Scan# 322

Delta R.T. -0.05 min

Lab File: VF059786.D

Acq: 2 Aug 2018 7:08

Instrument :

MSVOA_F

ClientSampleId :

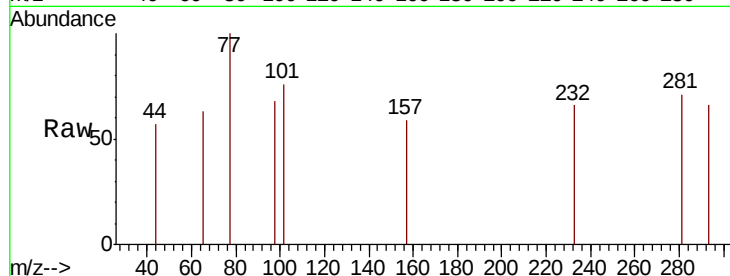
FK-BPM-03-001-D

Tot Ion: 77 Resp: 106

Ion Ratio Lower Upper

77 100

97 68.3 6.8 20.4#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

3.70

200

150

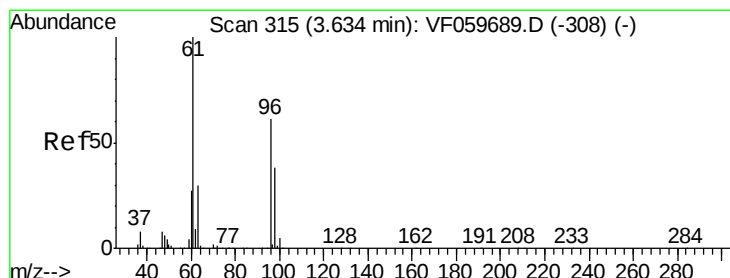
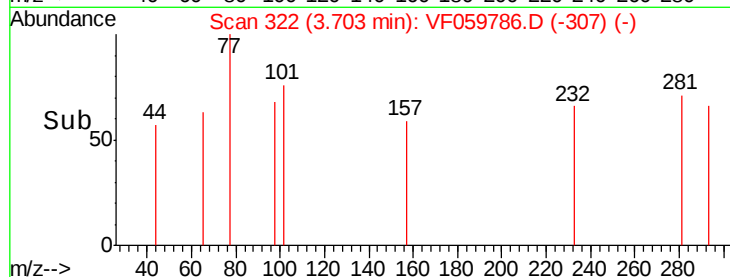
100

50

0

3.68 3.70 3.72

Time-->



#27

cis-1,2-Dichloroethene

Concen: 101.19 ug/l

RT: 3.54 min Scan# 305

Delta R.T. -0.10 min

Lab File: VF059786.D

Acq: 2 Aug 2018 7:08

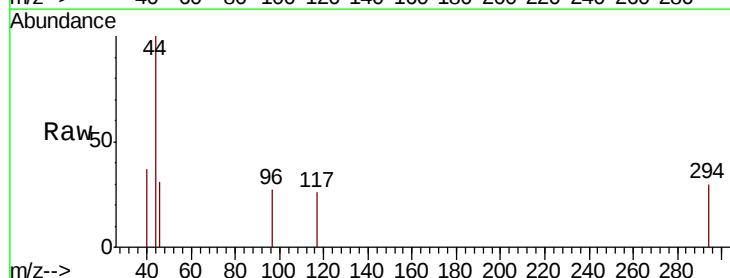
Tgt Ion: 96 Resp: 63

Ion Ratio Lower Upper

96 100

61 0.0 0.0 326.8

98 0.0 0.0 125.2



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

150

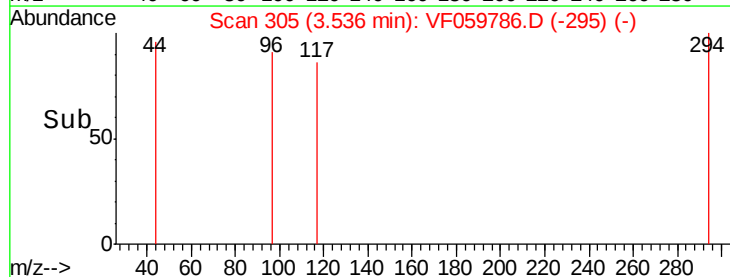
100

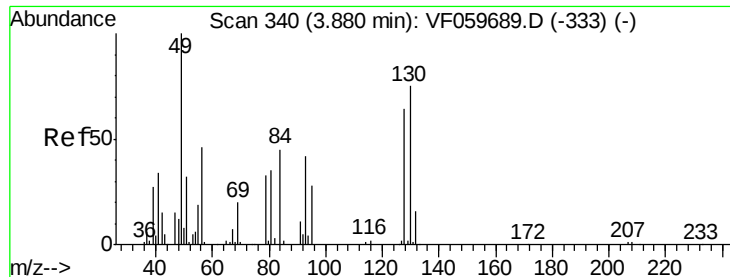
50

0

3.50 3.52 3.54 3.56

Time-->





#28

Bromochloromethane

Concen: 163.49 ug/l

RT: 3.85 min Scan# 337

Delta R.T. -0.03 min

Lab File: VF059786.D

Acq: 2 Aug 2018 7:08

Instrument :

MSVOA_F

ClientSampleId :

FK-BPM-03-001-D

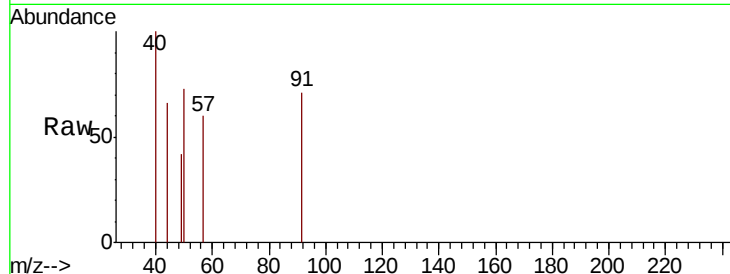
Tot Ion: 49 Resp: 62

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.8

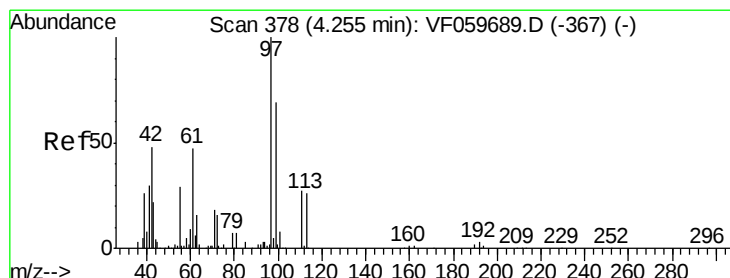
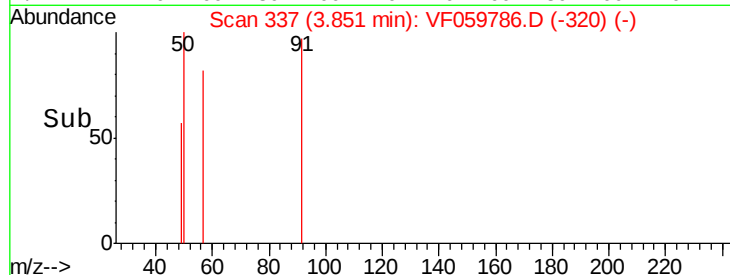
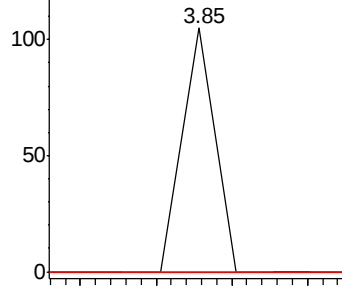
130 0.0 59.6 89.4#



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: 743.74 ug/l

RT: 4.20 min Scan# 372

Delta R.T. -0.06 min

Lab File: VF059786.D

Acq: 2 Aug 2018 7:08

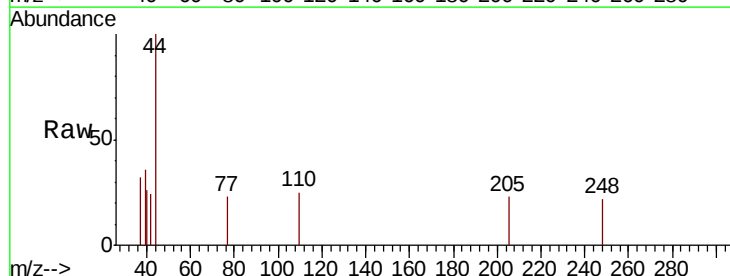
Tgt Ion: 42 Resp: 66

Ion Ratio Lower Upper

42 100

72 0.0 27.0 40.6#

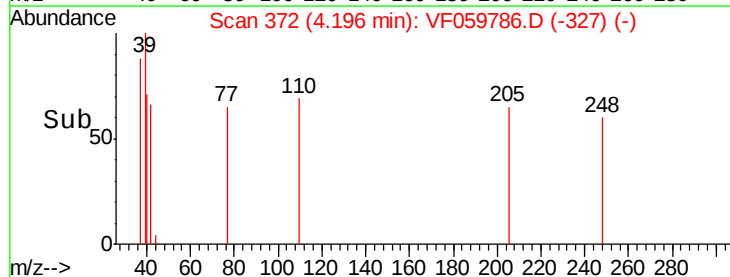
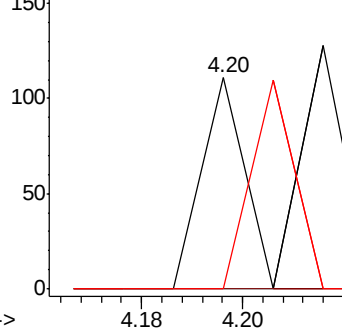
71 98.5 29.7 44.5#

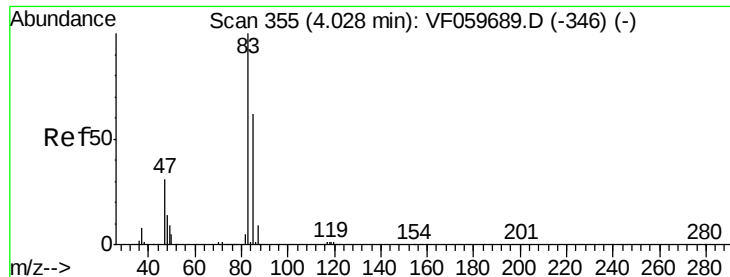


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0





#30

Chloroform

Concen: 48.15 ug/l

RT: 4.06 min Scan# 358

Delta R.T. 0.03 min

Lab File: VF059786.D

Acq: 2 Aug 2018 7:08

Instrument :

MSVOA_F

ClientSampleId :

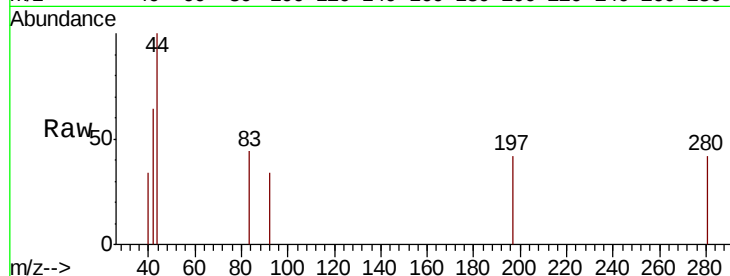
FK-BPM-03-001-D

Tot Ion: 83 Resp: 79

Ion Ratio Lower Upper

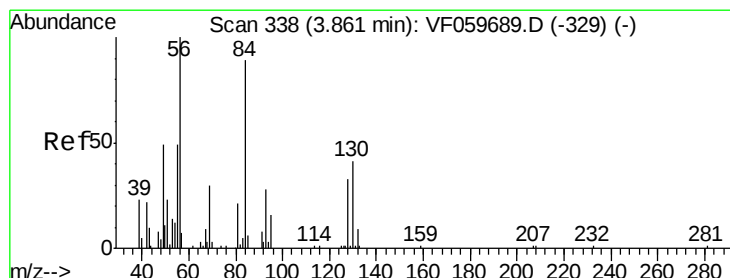
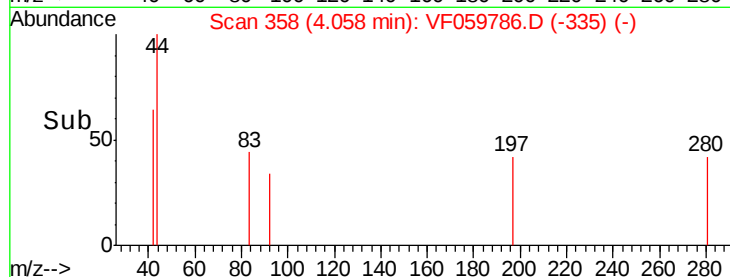
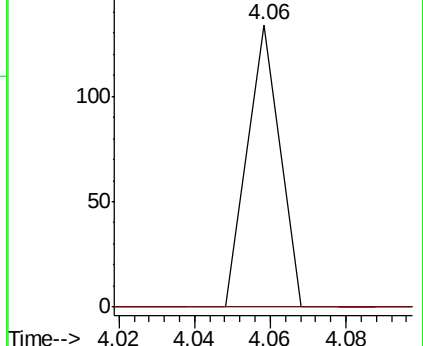
83 100

85 0.0 49.4 74.0#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#31

Cyclohexane

Concen: 115.43 ug/l

RT: 3.89 min Scan# 341

Delta R.T. 0.03 min

Lab File: VF059786.D

Acq: 2 Aug 2018 7:08

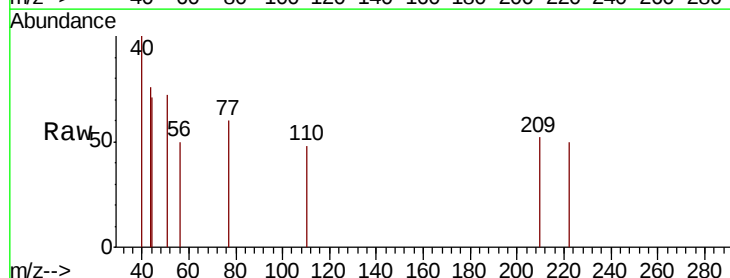
Tgt Ion: 56 Resp: 62

Ion Ratio Lower Upper

56 100

69 0.0 23.7 35.5#

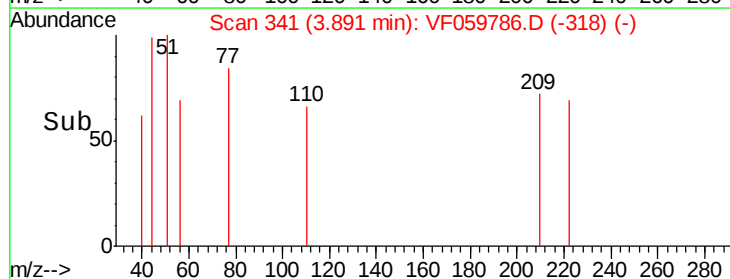
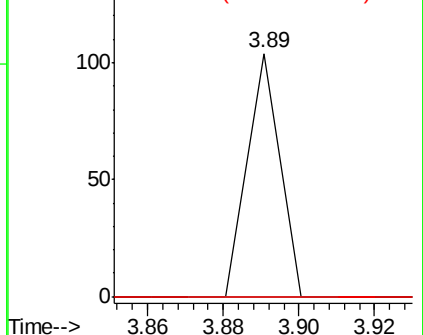
84 0.0 71.1 106.7#

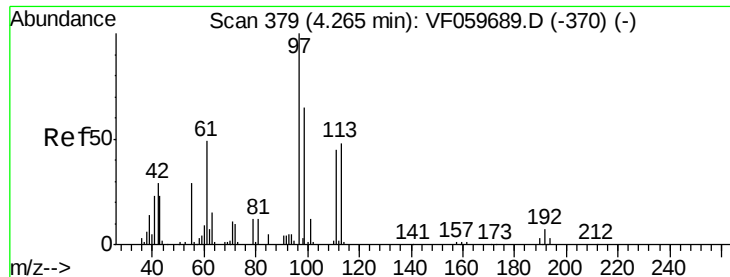


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0





#32

1,1,1-Trichloroethane

Concen: 52.64 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.02 min

Lab File: VF059786.D

Acq: 2 Aug 2018 7:08

Instrument :

MSVOA_F

ClientSampleId :

FK-BPM-03-001-D

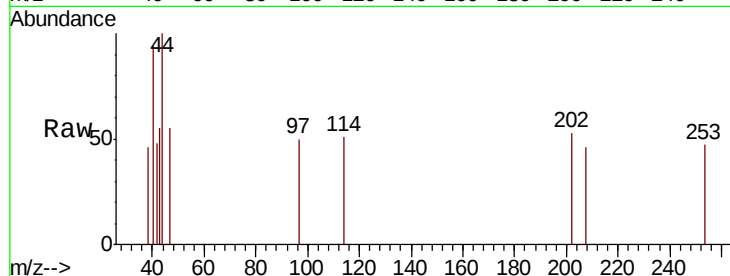
Tot Ion: 97 Resp: 67

Ion Ratio Lower Upper

97 100

99 0.0 52.4 78.6#

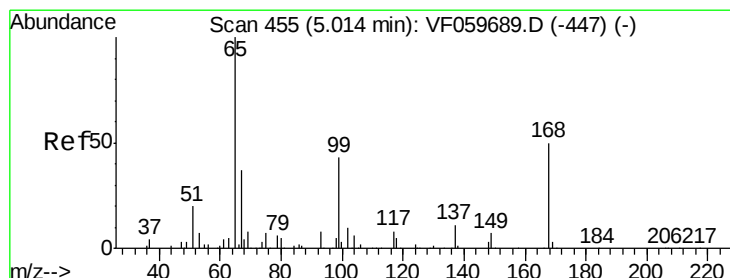
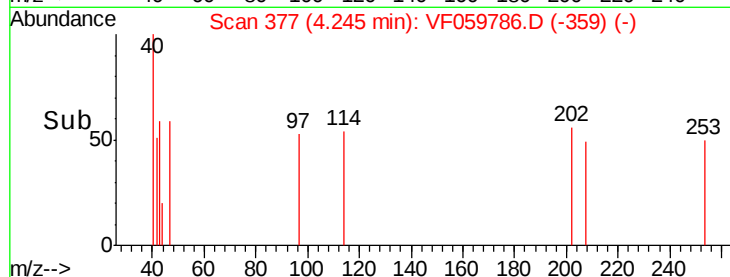
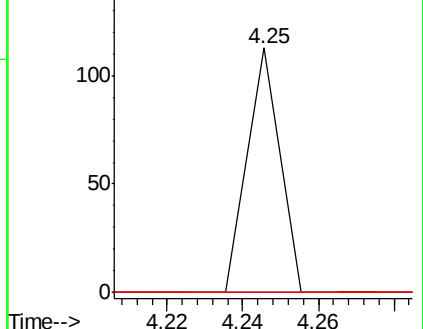
61 0.0 39.7 59.5#



Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 63.47 ug/l

RT: 4.92 min Scan# 445

Delta R.T. -0.10 min

Lab File: VF059786.D

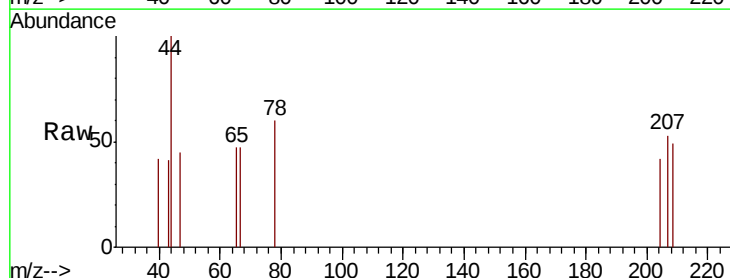
Acq: 2 Aug 2018 7:08

Tgt Ion: 65 Resp: 73

Ion Ratio Lower Upper

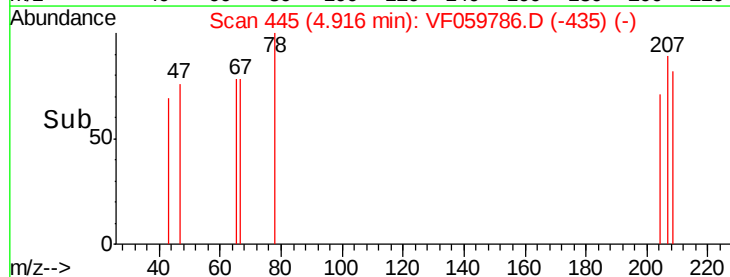
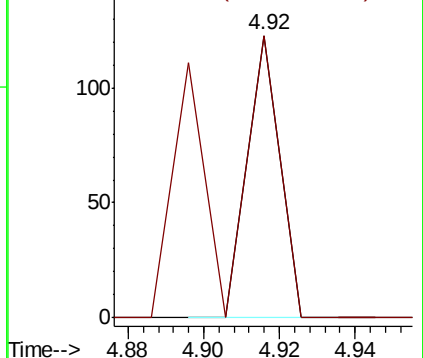
65 100

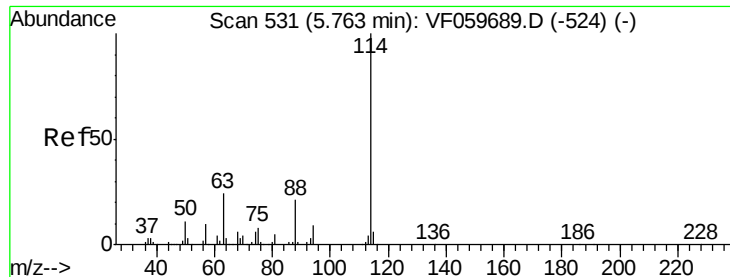
67 100.0 0.0 84.6#



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.55 min Scan# 509

Delta R.T. -0.22 min

Lab File: VF059786.D

Acq: 2 Aug 2018 7:08

Instrument :

MSVOA_F

ClientSampleId :

FK-BPM-03-001-D

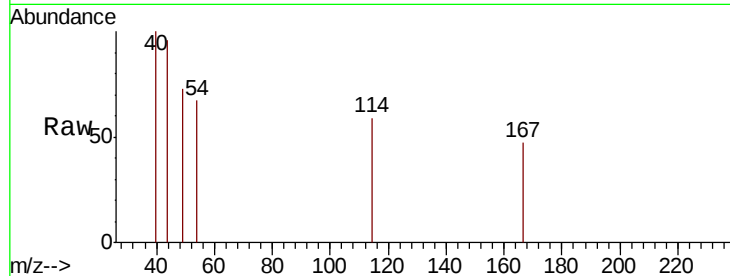
Tot Ion:114 Resp: 79

Ion Ratio Lower Upper

114 100

63 0.0 0.0 47.4

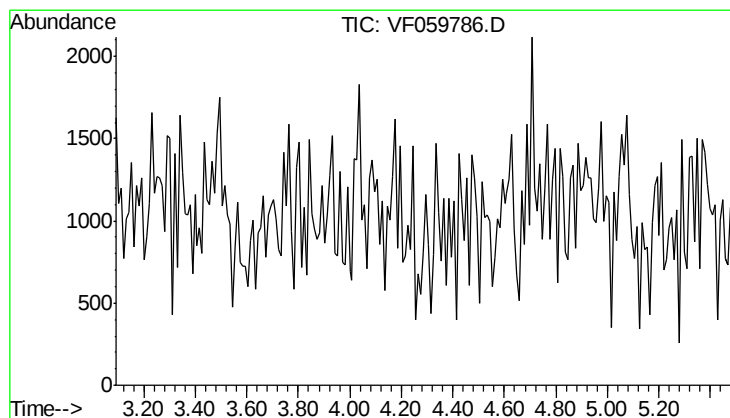
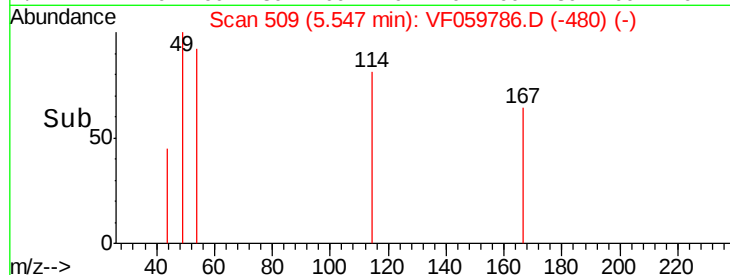
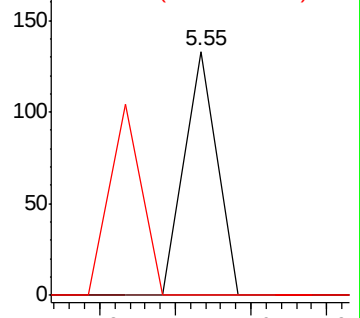
88 0.0 0.0 41.2



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: 0.00 ug/l

Expected RT: 4.28 min

Lab File: VF059786.D

Acq: 2 Aug 2018 7:08

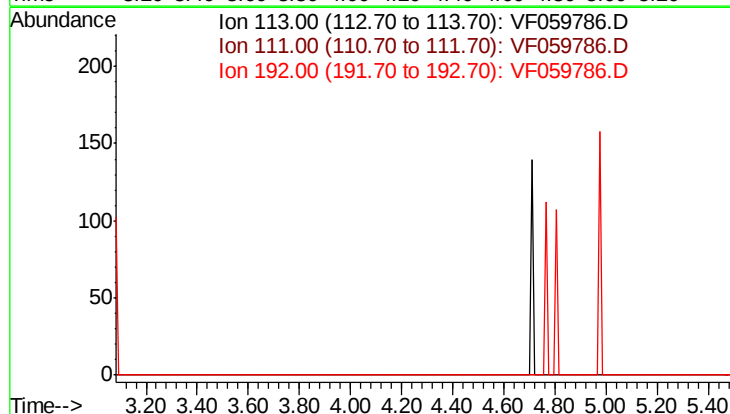
Tgt Ion: 113

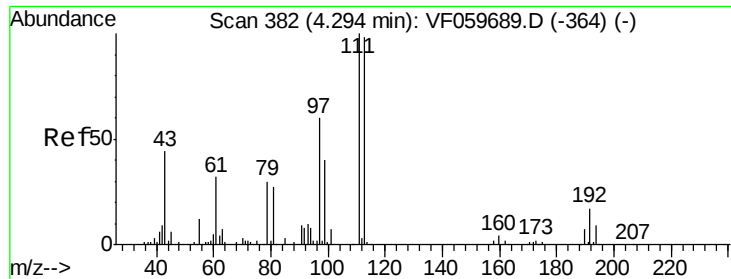
Sig Exp Ratio

113 100

111 98.7

192 16.5

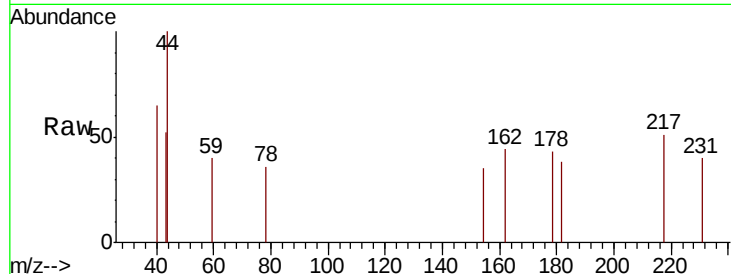




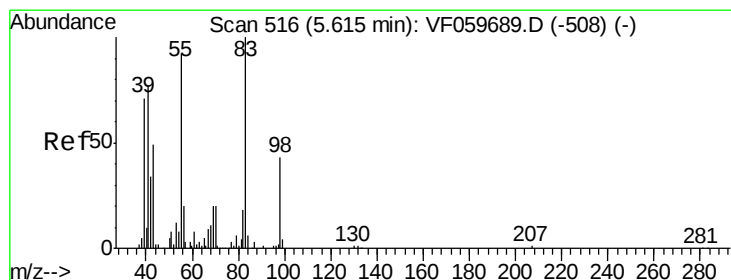
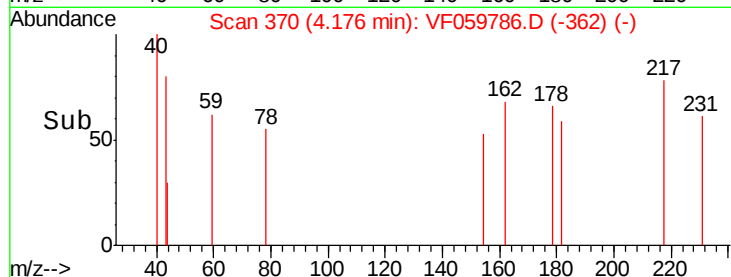
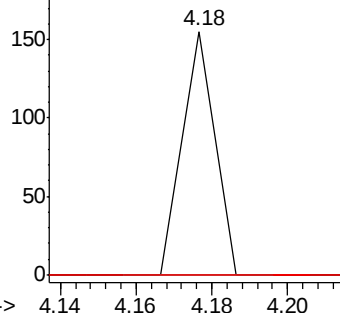
#37
Ethyl Acetate
Concen: 252.10 ug/l
RT: 4.18 min Scan# 370
Delta R.T. -0.12 min
Lab File: VF059786.D
Acq: 2 Aug 2018 7:08

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

Tot Ion: 43 Resp: 92
Ion Ratio Lower Upper
43 100
61 0.0 58.2 87.2#
70 0.0 6.0 9.0#

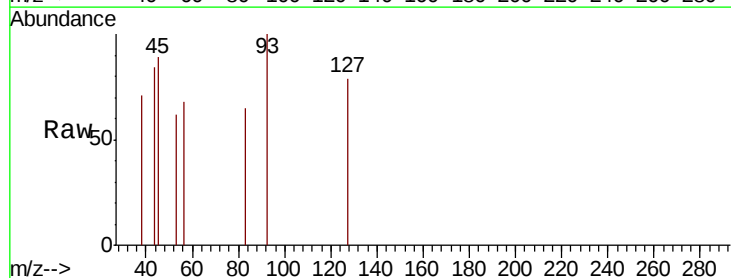


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

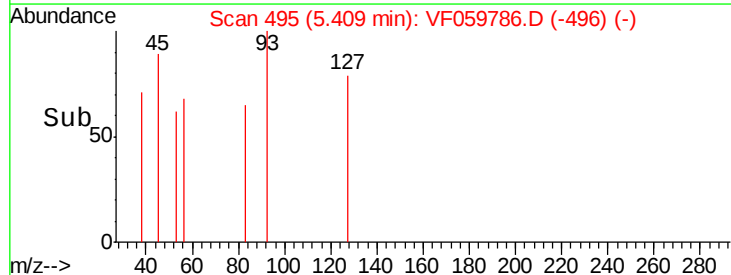
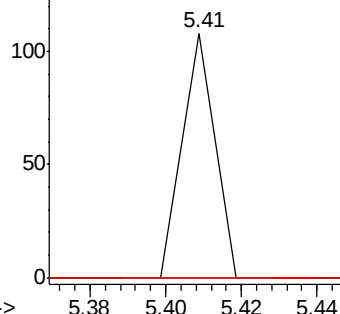


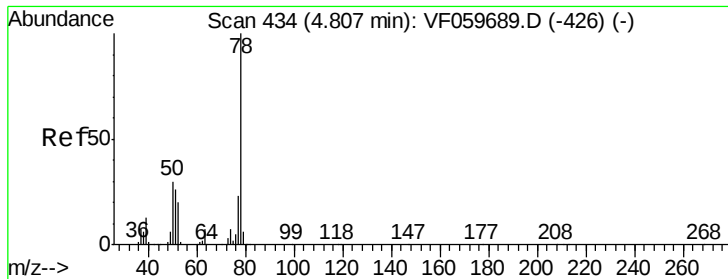
#39
Methylcyclohexane
Concen: 110.18 ug/l
RT: 5.41 min Scan# 495
Delta R.T. -0.21 min
Lab File: VF059786.D
Acq: 2 Aug 2018 7:08

Tgt Ion: 83 Resp: 64
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: 50.14 ug/l

RT: 4.59 min Scan# 412

Delta R.T. -0.22 min

Lab File: VF059786.D

Acq: 2 Aug 2018 7:08

Instrument :

MSVOA_F

ClientSampleId :

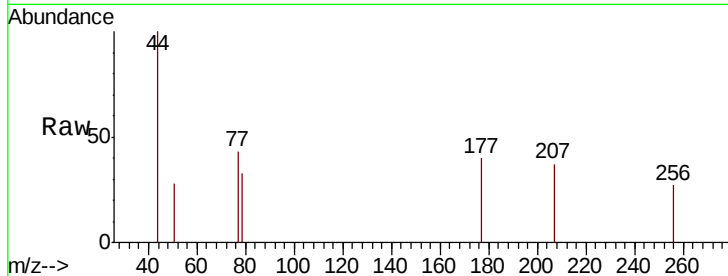
FK-BPM-03-001-D

Tot Ion: 78 Resp: 80

Ion Ratio Lower Upper

78 100

77 128.7 18.9 28.3#



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

200

150

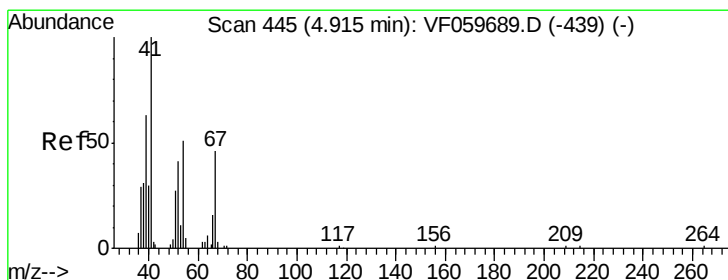
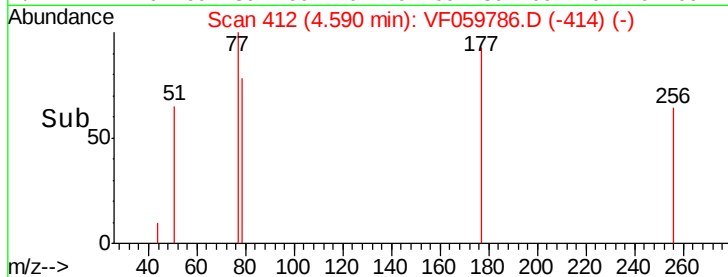
100

50

0

4.56 4.58 4.60 4.62

Time-->



#41

Methacrylonitrile

Concen: 407.25 ug/l

RT: 4.78 min Scan# 431

Delta R.T. -0.14 min

Lab File: VF059786.D

Acq: 2 Aug 2018 7:08

Tgt Ion: 41 Resp: 77

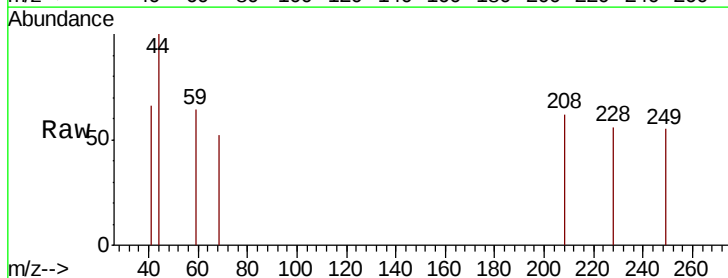
Ion Ratio Lower Upper

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

200

150

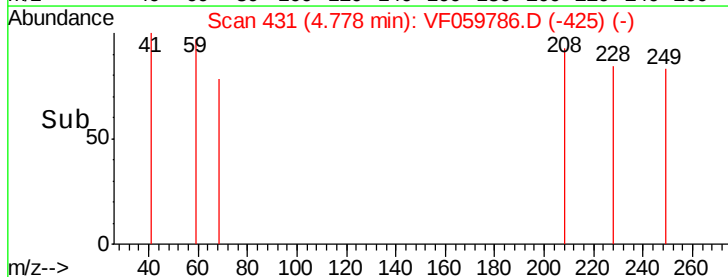
100

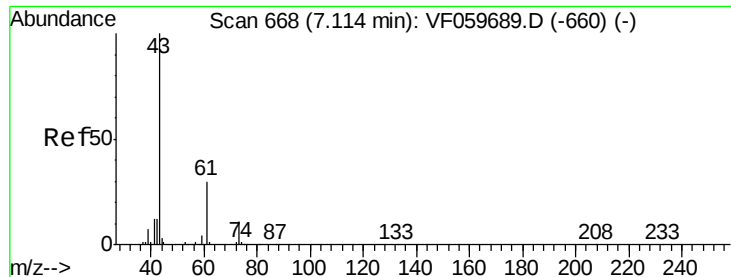
50

0

4.74 4.76 4.78 4.80

Time-->





#43

Isopropyl Acetate

Concen: 461.49 ug/l

RT: 6.79 min Scan# 635

Delta R.T. -0.32 min

Lab File: VF059786.D

Acq: 2 Aug 2018 7:08

Instrument :

MSVOA_F

ClientSampleId :

FK-BPM-03-001-D

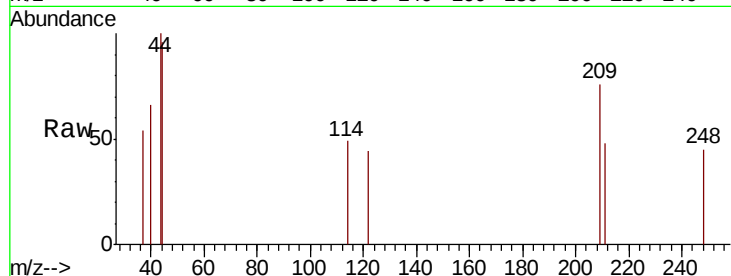
Tot Ion: 43 Resp: 218

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

500

400

300

200

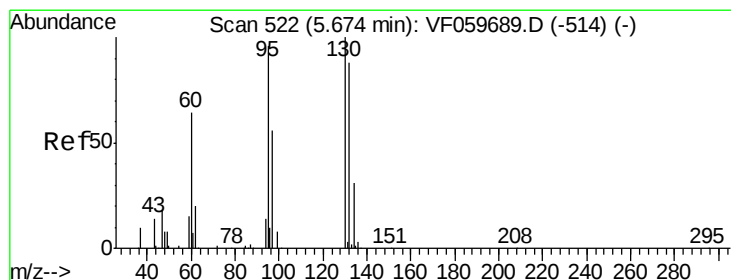
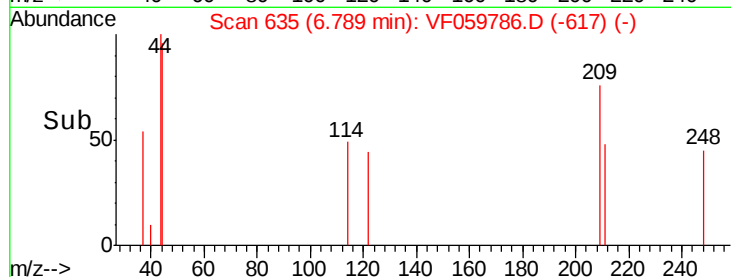
100

0

6.74 6.76 6.78 6.80

6.79

Time-->



#44

Trichloroethene

Concen: 177.92 ug/l

RT: 5.45 min Scan# 499

Delta R.T. -0.23 min

Lab File: VF059786.D

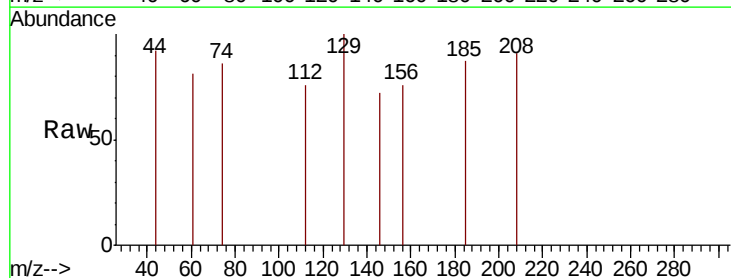
Acq: 2 Aug 2018 7:08

Tgt Ion:130 Resp: 88

Ion Ratio Lower Upper

130 100

95 0.0 0.0 191.0



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

150

100

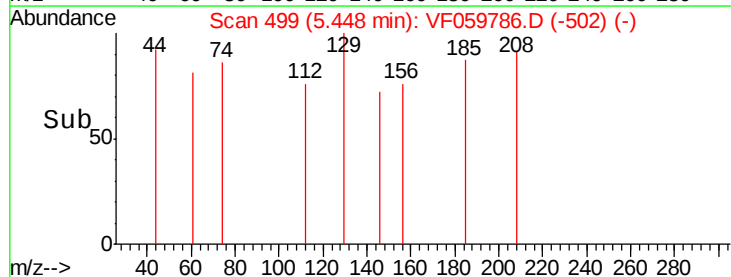
50

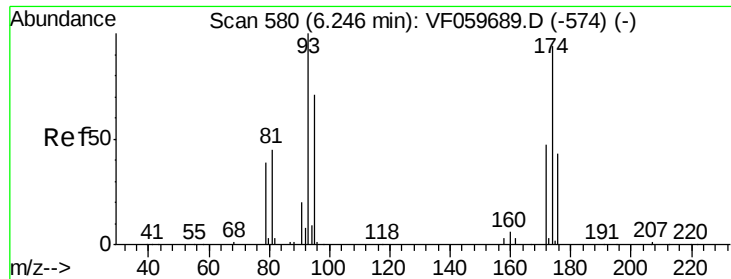
0

5.42 5.44 5.46 5.48

5.45

Time-->





#46

Dibromomethane

Concen: 192.50 ug/l

RT: 5.97 min Scan# 552

Delta R.T. -0.28 min

Lab File: VF059786.D

Acq: 2 Aug 2018 7:08

Instrument :

MSVOA_F

ClientSampleId :

FK-BPM-03-001-D

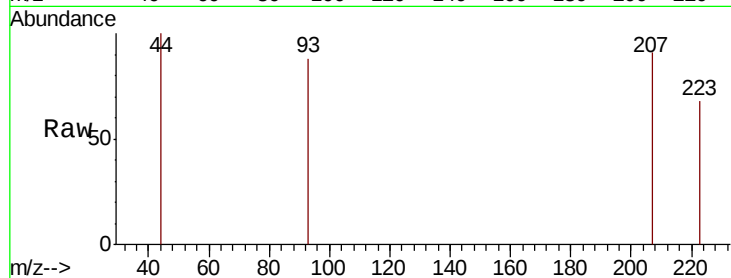
Tot Ion: 93 Resp: 77

Ion Ratio Lower Upper

93 100

95 0.0 57.1 85.7#

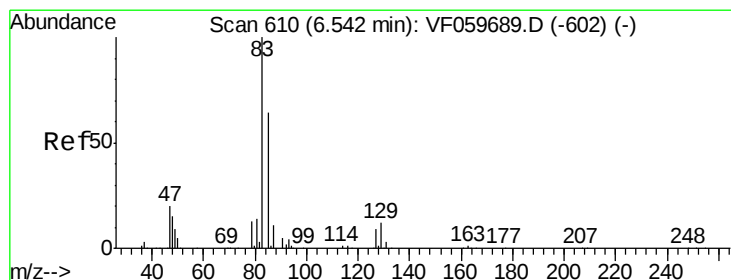
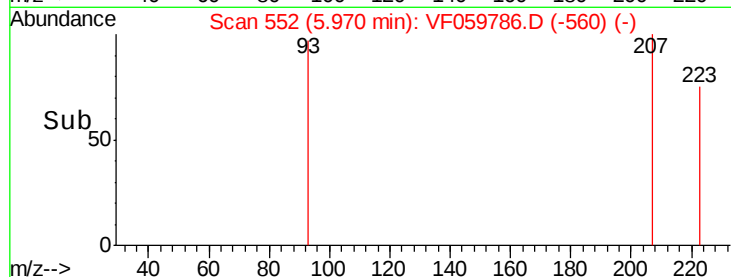
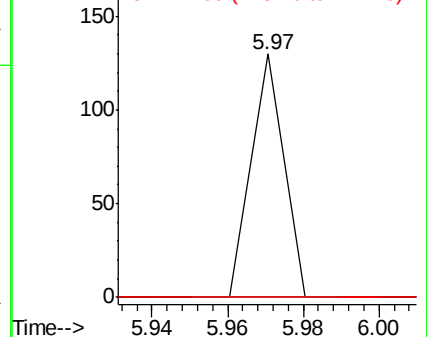
174 0.0 74.8 112.2#



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: 63.34 ug/l

RT: 6.30 min Scan# 585

Delta R.T. -0.25 min

Lab File: VF059786.D

Acq: 2 Aug 2018 7:08

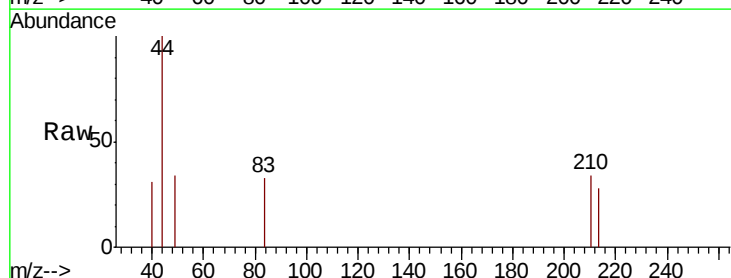
Tgt Ion: 83 Resp: 69

Ion Ratio Lower Upper

83 100

85 0.0 51.0 76.6#

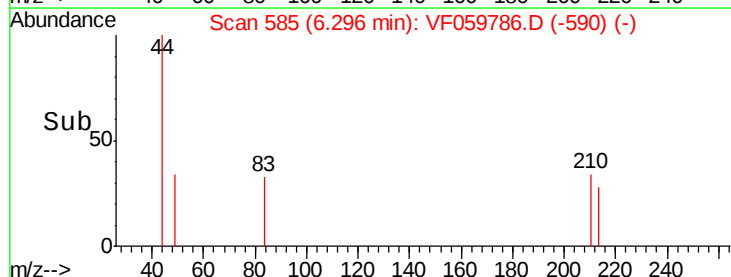
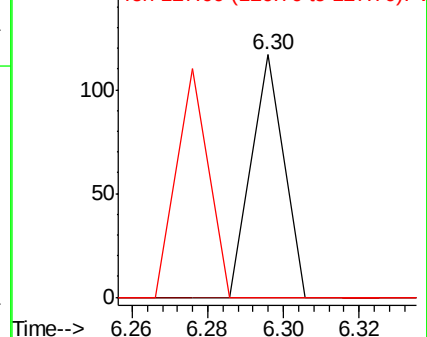
127 0.0 7.3 10.9#

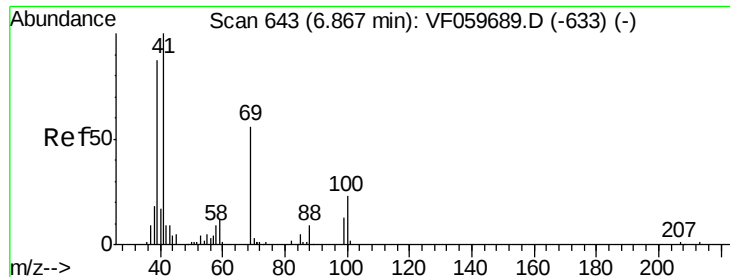


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V

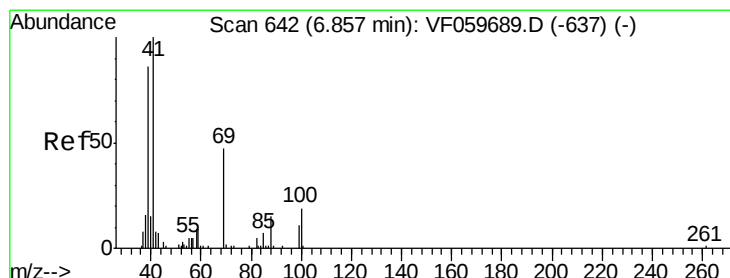
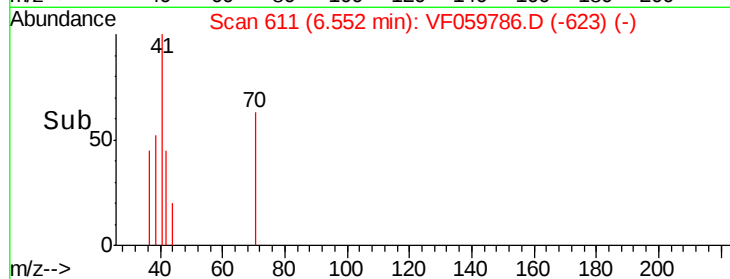
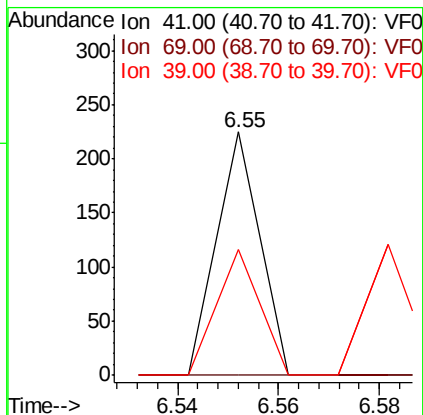
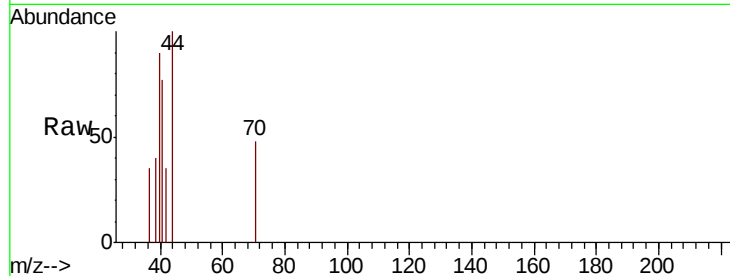




#48
Methyl methacrylate
Concen: 374.32 ug/l
RT: 6.55 min Scan# 611
Delta R.T. -0.32 min
Lab File: VF059786.D
Acq: 2 Aug 2018 7:08

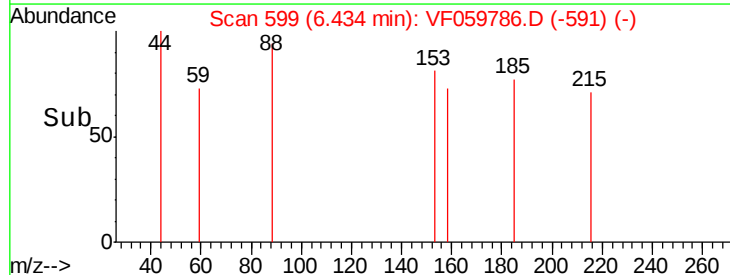
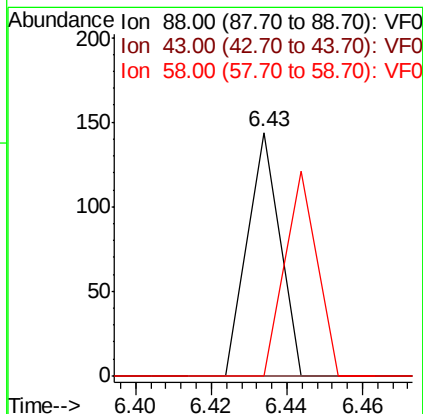
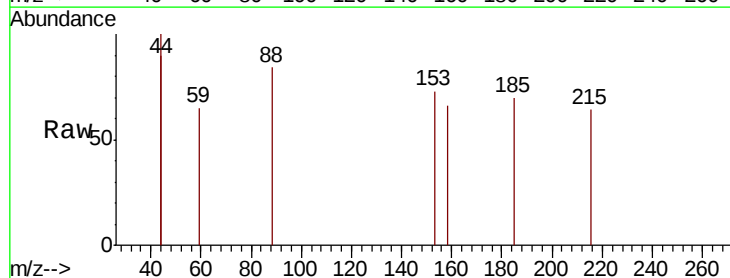
Instrument :
MSVOA_F
ClientSampleId :
FK-BPM-03-001-D

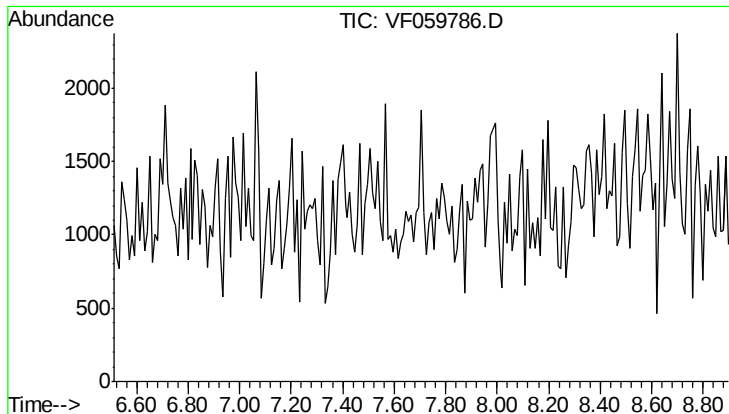
Tot Ion	Ratio	Lower	Upper
41	100		
69	0.0	44.4	66.6#
39	51.6	69.4	104.2#



#49
1,4-Dioxane
Concen: 13508.10 ug/l
RT: 6.43 min Scan# 599
Delta R.T. -0.42 min
Lab File: VF059786.D
Acq: 2 Aug 2018 7:08

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	45.2	67.8#
58	0.0	49.0	73.6#



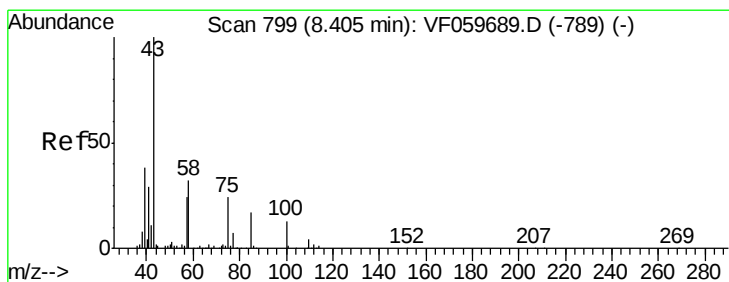
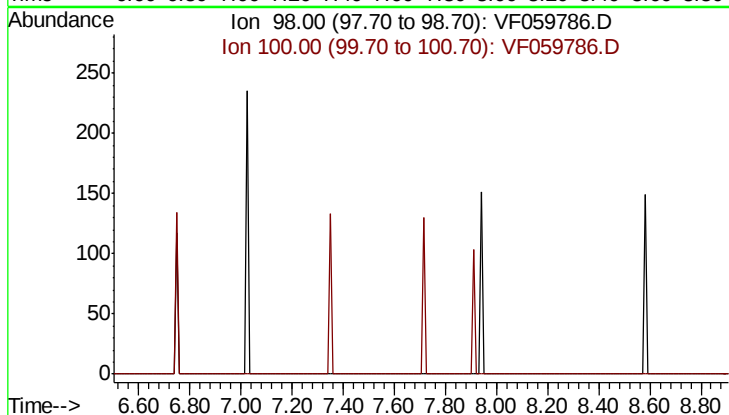


#50
Toluene-d8
Concen: 0.00 ug/l
Expected RT: 7.71 min

Lab File: VF059786.D
Acq: 2 Aug 2018 7:08

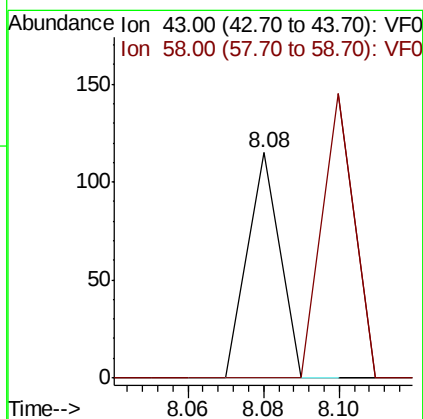
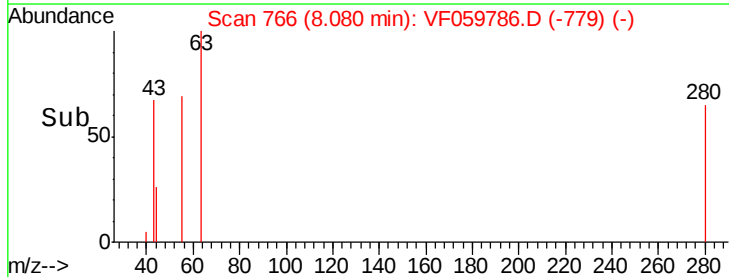
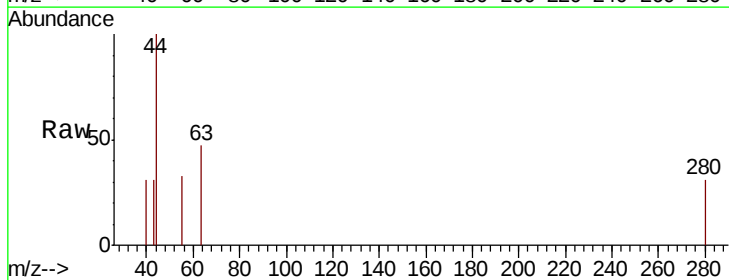
Instrument :
MSVOA_F
ClientSampleId :
FK-BPM-03-001-D

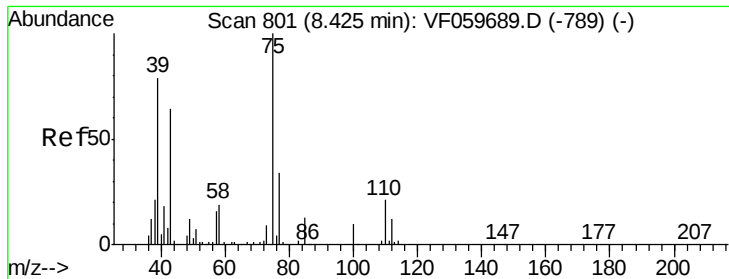
Tot Ion: 98
Sig Exp Ratio
98 100
100 66.0



#51
4-Methyl-2-Pentanone
Concen: 189.24 ug/l
RT: 8.08 min Scan# 766
Delta R.T. -0.32 min
Lab File: VF059786.D
Acq: 2 Aug 2018 7:08

Tgt Ion: 43 Resp: 68
Ion Ratio Lower Upper
43 100
58 0.0 25.9 38.9#





#53

t-1,3-Dichloropropene

Concen: 73.00 ug/l

RT: 8.13 min Scan# 771

Delta R.T. -0.30 min

Lab File: VF059786.D

Acq: 2 Aug 2018 7:08

Instrument :

MSVOA_F

ClientSampleId :

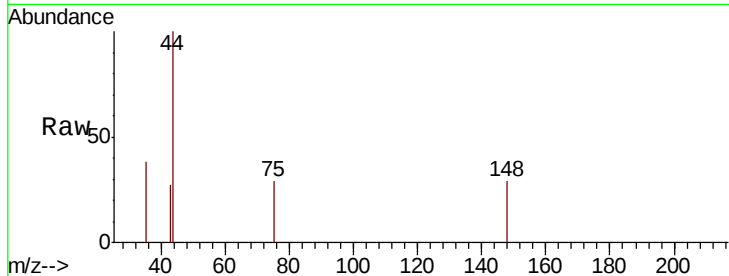
FK-BPM-03-001-D

Tot Ion: 75 Resp: 69

Ion Ratio Lower Upper

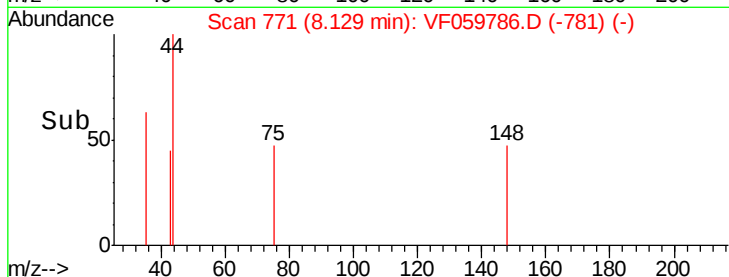
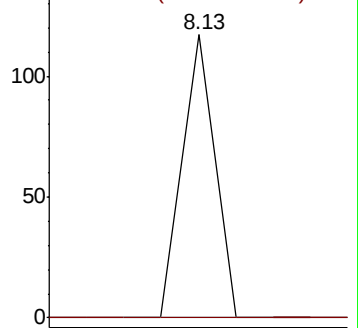
75 100

77 0.0 27.0 40.4#

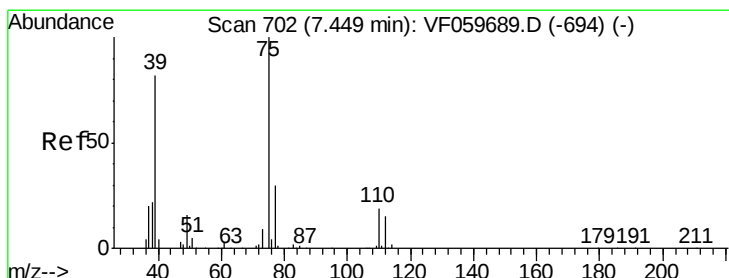


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



Time-->



#54

cis-1,3-Dichloropropene

Concen: 95.03 ug/l

RT: 7.21 min Scan# 678

Delta R.T. -0.24 min

Lab File: VF059786.D

Acq: 2 Aug 2018 7:08

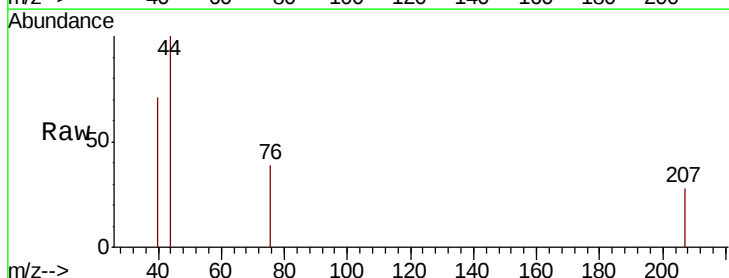
Tgt Ion: 75 Resp: 87

Ion Ratio Lower Upper

75 100

77 0.0 24.0 36.0#

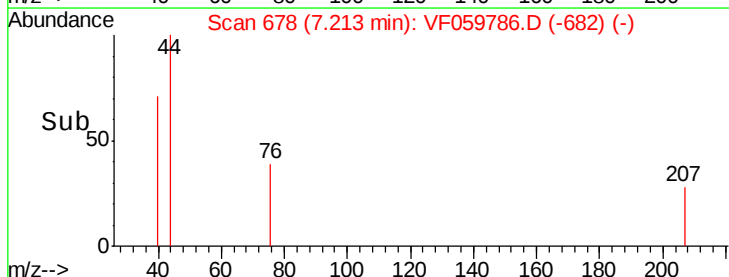
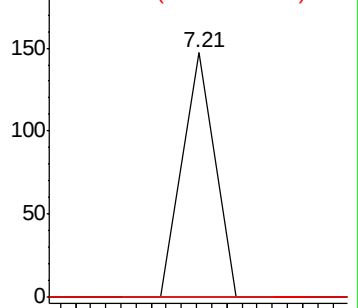
39 0.0 65.4 98.2#



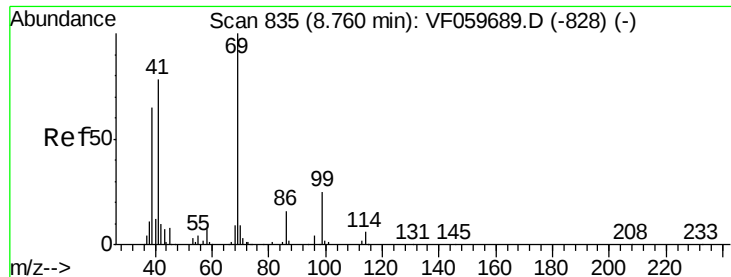
Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



Time-->



#56

Ethyl methacrylate

Concen: 137.59 ug/l

RT: 8.45 min Scan# 804

Delta R.T. -0.31 min

Lab File: VF059786.D

Acq: 2 Aug 2018 7:08

Instrument :

MSVOA_F

ClientSampleId :

FK-BPM-03-001-D

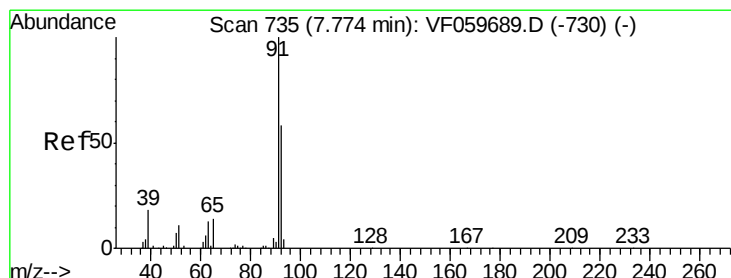
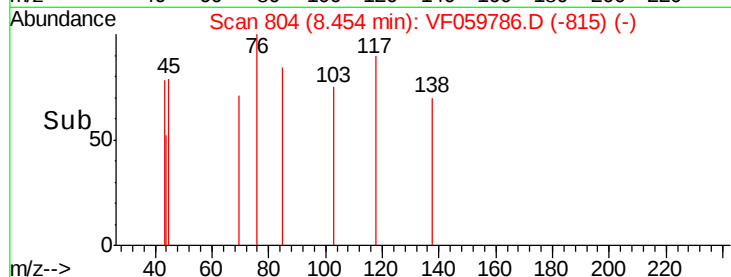
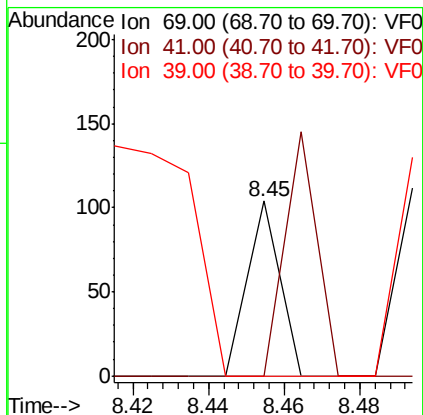
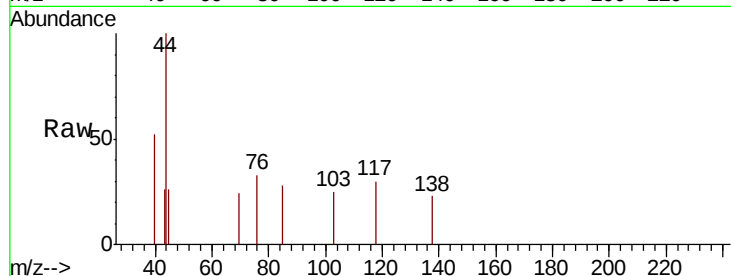
Tot Ion: 69 Resp: 62

Ion Ratio Lower Upper

69 100

41 0.0 62.3 93.5#

39 0.0 52.4 78.6#



#58

2-Chloroethyl Vinyl ether

Concen: 1556.91 ug/l

RT: 7.39 min Scan# 696

Delta R.T. -0.38 min

Lab File: VF059786.D

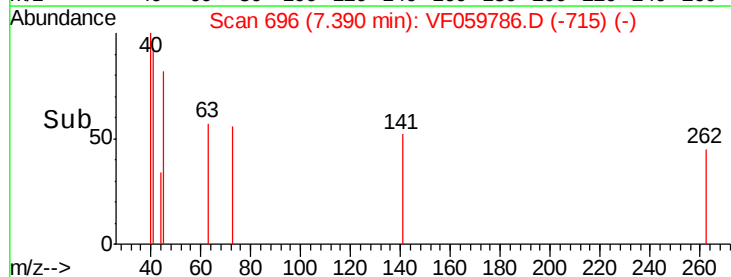
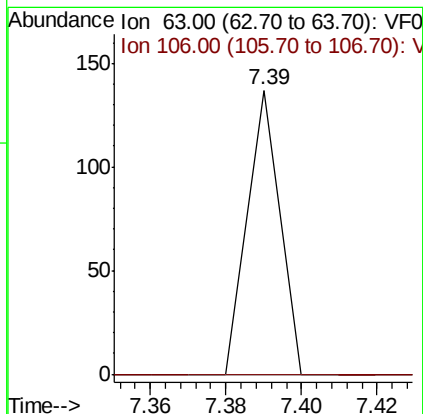
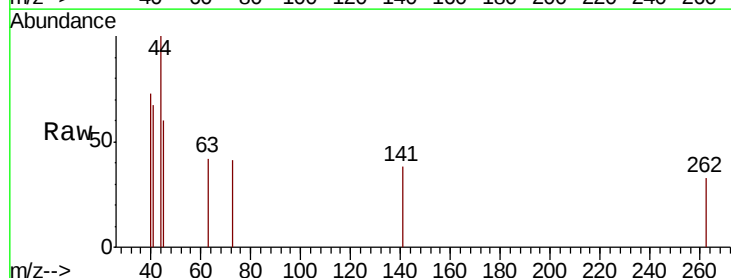
Acq: 2 Aug 2018 7:08

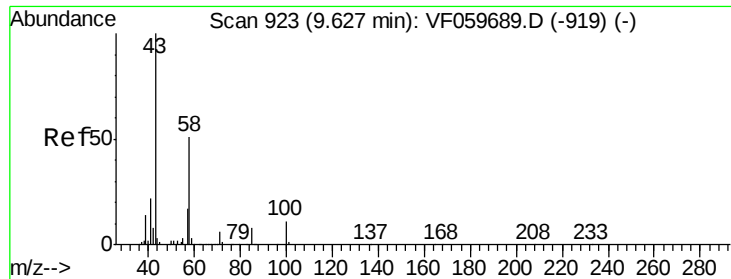
Tgt Ion: 63 Resp: 81

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

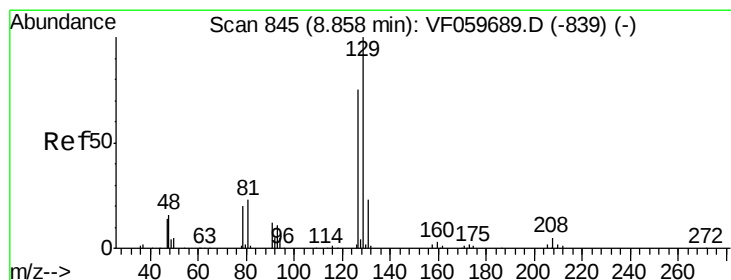
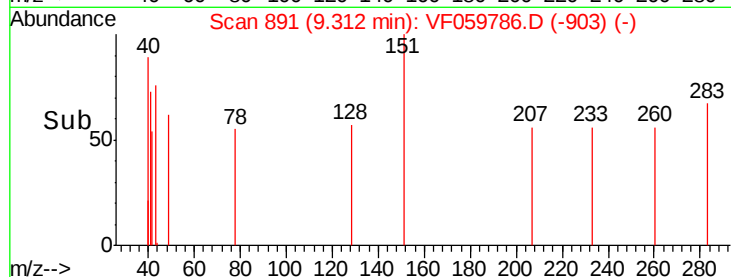
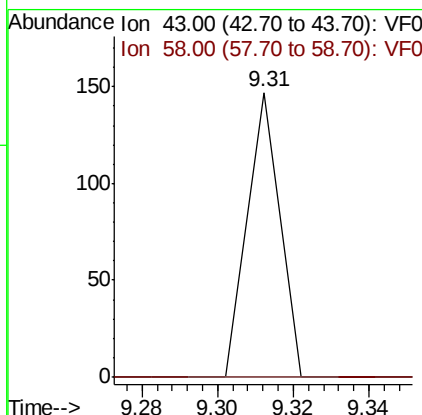
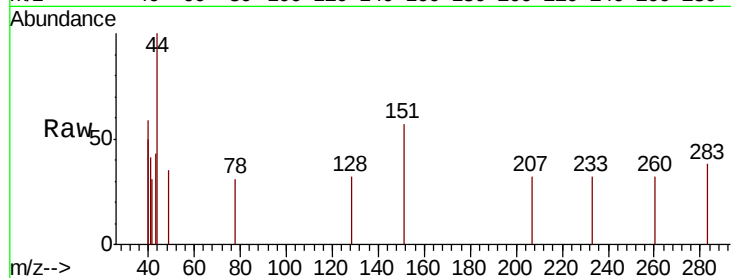




#59
 2-Hexanone
 Concen: 302.13 ug/l
 RT: 9.31 min Scan# 891
 Delta R.T. -0.32 min
 Lab File: VF059786.D
 Acq: 2 Aug 2018 7:08

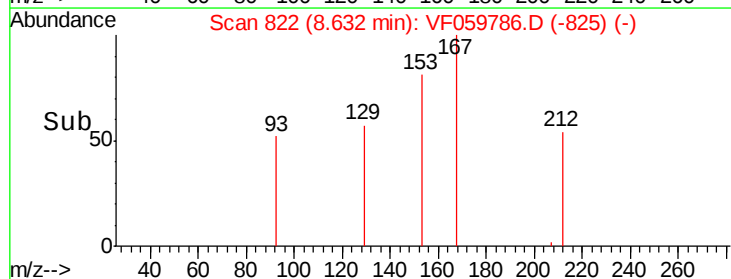
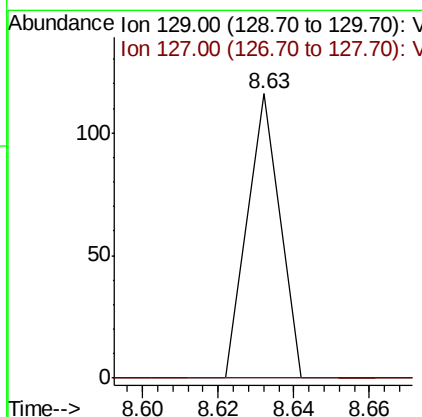
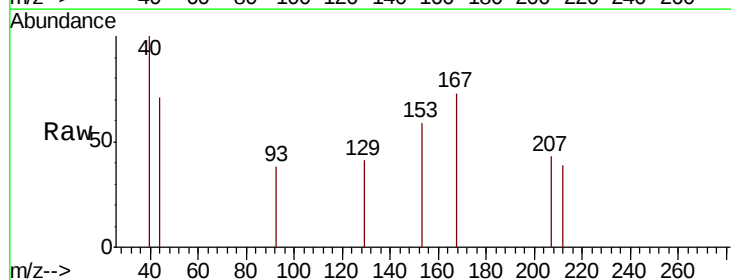
Instrument :
 MSVOA_F
 ClientSampleId :
 FK-BPM-03-001-D

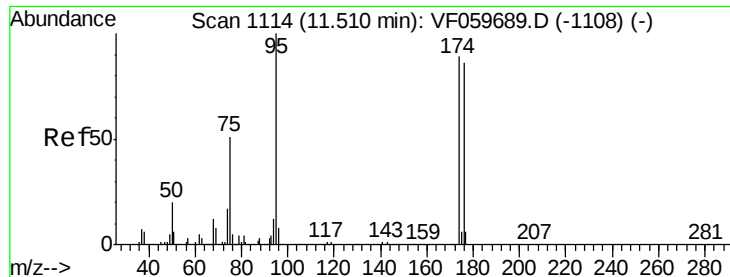
Tot Ion: 43 Resp: 87
 Ion Ratio Lower Upper
 43 100
 58 0.0 23.3 69.8#



#60
 Dibromochloromethane
 Concen: 90.50 ug/l
 RT: 8.63 min Scan# 822
 Delta R.T. -0.23 min
 Lab File: VF059786.D
 Acq: 2 Aug 2018 7:08

Tgt Ion:129 Resp: 69
 Ion Ratio Lower Upper
 129 100
 127 0.0 37.7 113.1#





#62

4-Bromofluorobenzene

Concen: 71.75 ug/l

RT: 11.07 min Scan# 1069

Delta R.T. -0.44 min

Lab File: VF059786.D

Acq: 2 Aug 2018 7:08

Instrument :

MSVOA_F

ClientSampleId :

FK-BPM-03-001-D

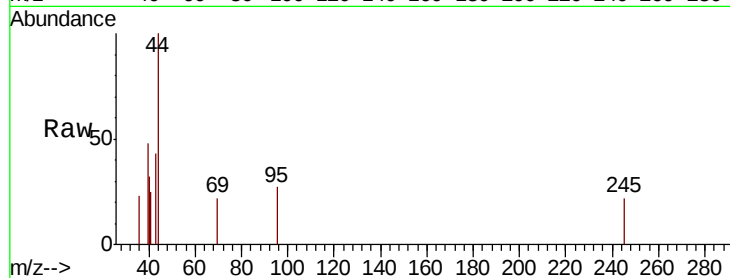
Tot Ion: 95 Resp: 76

Ion Ratio Lower Upper

95 100

174 0.0 0.0 178.4

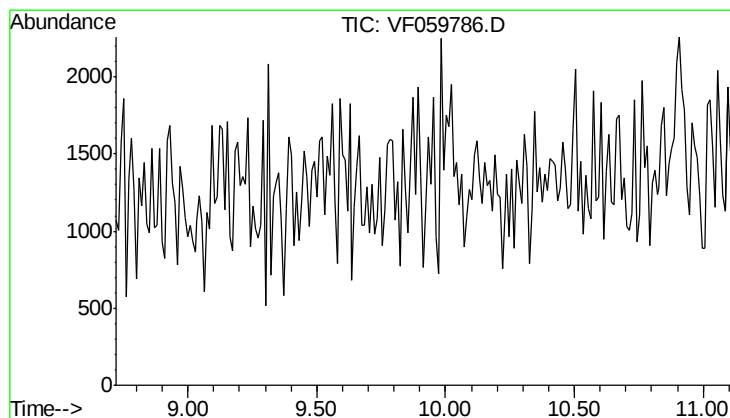
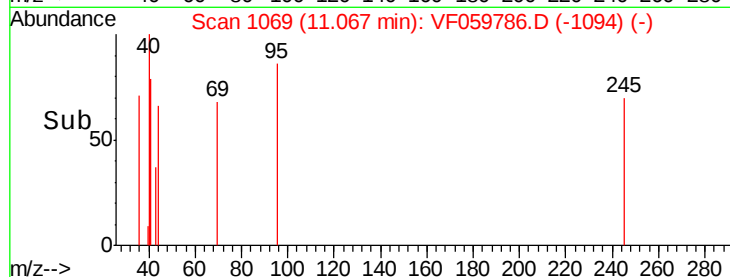
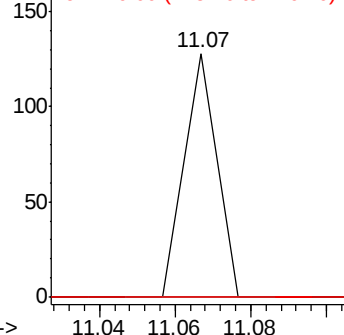
176 0.0 0.0 173.0



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: VF059786.D

Acq: 2 Aug 2018 7:08

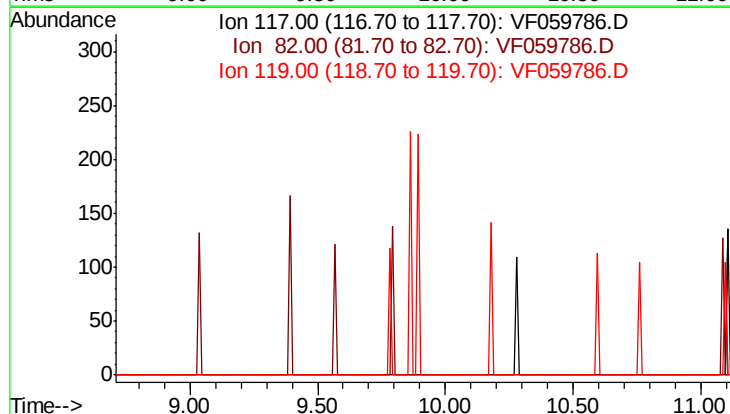
Tgt Ion: 117

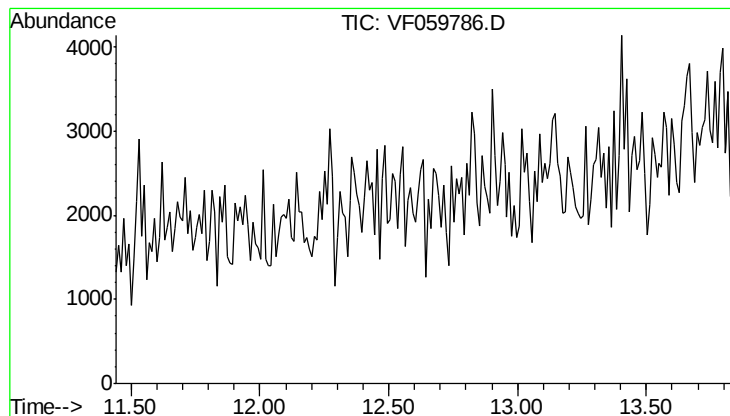
Sig Exp Ratio

117 100

82 61.2

119 34.1





#72

1,4-Dichlorobenzene-d4

Concen: 0.00 ug/l

Expected RT: 12.63 min

Lab File: VF059786.D

Acq: 2 Aug 2018 7:08

Instrument :

MSVOA_F

ClientSampleId :

FK-BPM-03-001-D

Tot Ion: 152

Sig Exp Ratio

152 100

115 56.4

150 158.1

