

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021119\
 Data File : VF061585.D
 Acq On : 11 Feb 2019 14:49
 Operator : VA/AP
 Sample : K1356-05
 Misc : 6.62g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SU-03-020819-A

Quant Time: Feb 12 03:26:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	0.00	168	0	0.00	ug/l	-4.86
34) 1,4-Difluorobenzene	5.84	114	66	50.00	ug/l	0.24
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-9.77
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.55

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	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	11.81	95	64	96.00	ug/l	0.41
Spiked Amount				50.000		
			Recovery	=	192.00%	

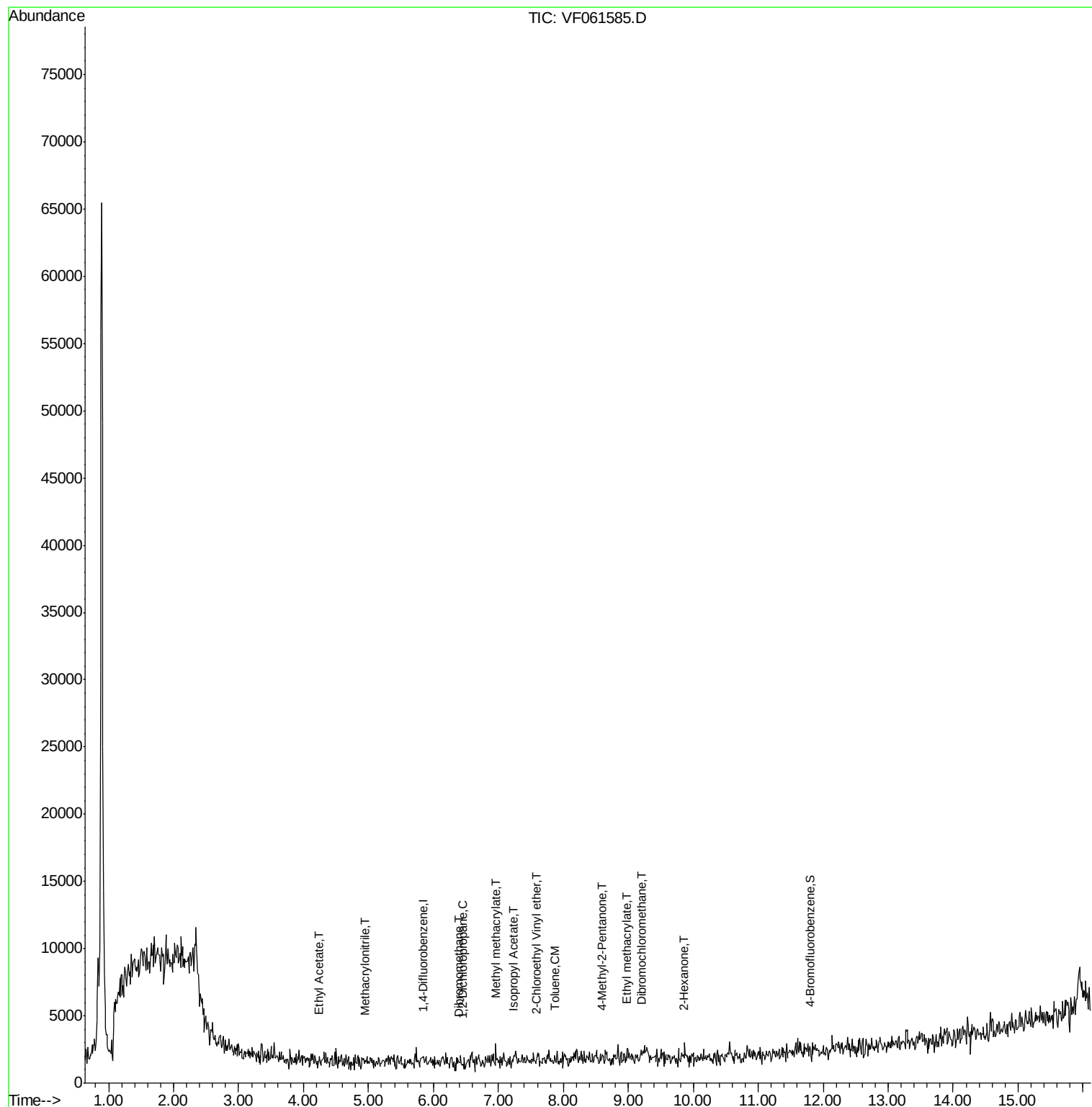
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
37) Ethyl Acetate	4.23	43	163	532.871	ug/l #	5
41) Methacrylonitrile	4.95	41	111	681.963	ug/l #	29
43) Isopropyl Acetate	7.25	43	71	184.937	ug/l #	51
45) 1,2-Dichloropropane	6.45	63	72	161.109	ug/l #	44
46) Dibromomethane	6.40	93	66	222.101	ug/l #	6
48) Methyl methacrylate	6.97	41	295	1144.301	ug/l #	29
51) 4-Methyl-2-Pentanone	8.61	43	95	336.596	ug/l #	39
52) Toluene	7.88	92	84	74.910	ug/l #	1
56) Ethyl methacrylate	8.99	69	66	178.152	ug/l #	63
58) 2-Chloroethyl Vinyl ether	7.58	63	70	1631.064	ug/l #	47
59) 2-Hexanone	9.85	43	78	396.322	ug/l #	26
60) Dibromochloromethane	9.19	129	72	154.663	ug/l #	10

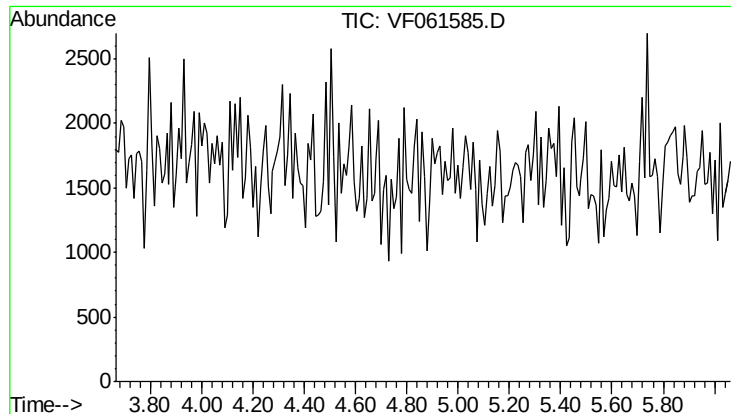
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 0.000 ug/l

Expected RT: 4.86 min

Lab File: VF061585.D

Acq: 11 Feb 2019 14:49

Tot Ion: 168

Sig Exp Ratio

168 100

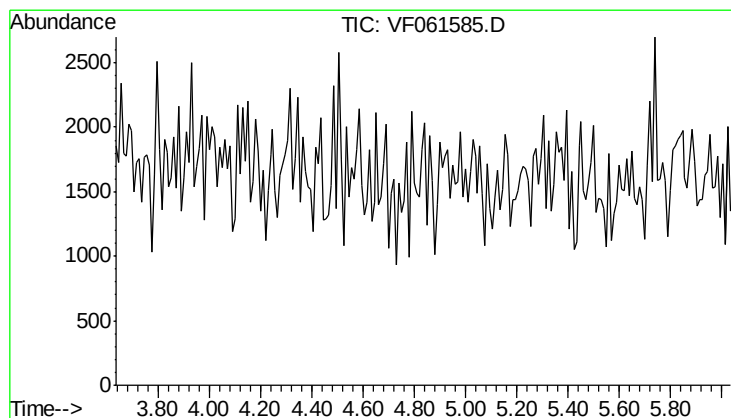
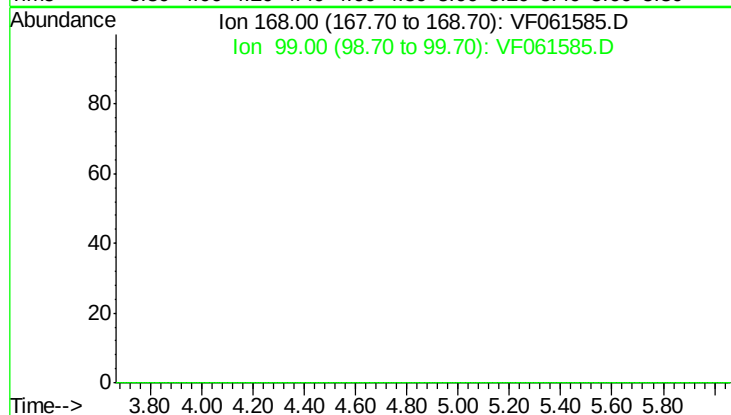
99 66.9

Instrument :

MSVOA_F

ClientSampleId :

SU-03-020819-A



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 4.83 min

Lab File: VF061585.D

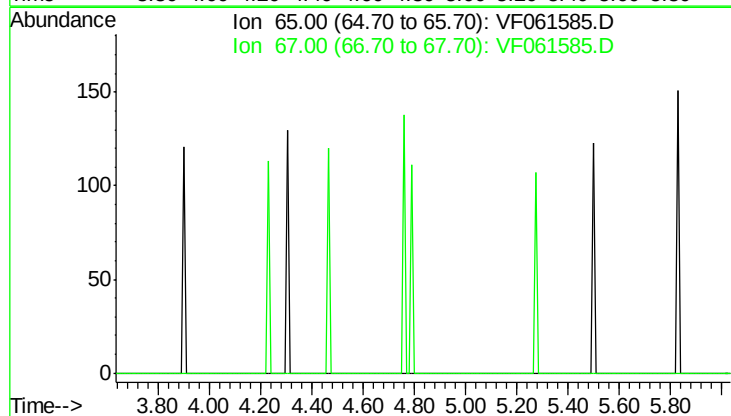
Acq: 11 Feb 2019 14:49

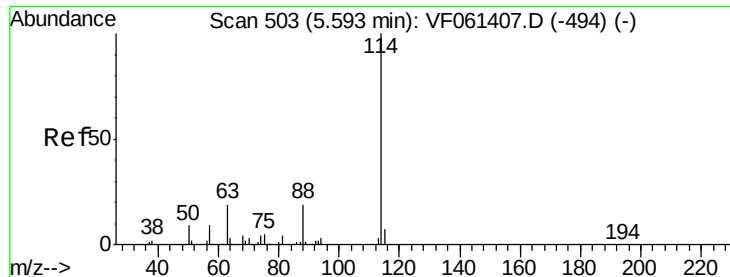
Tgt Ion: 65

Sig Exp Ratio

65 100

67 49.9

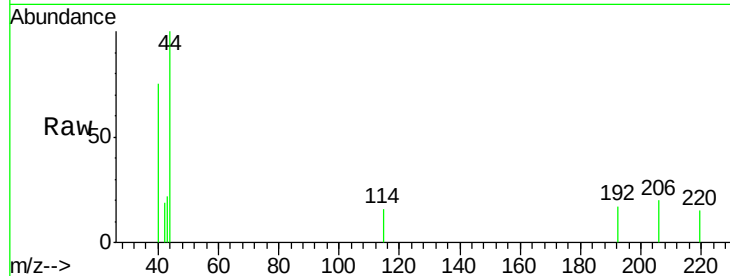




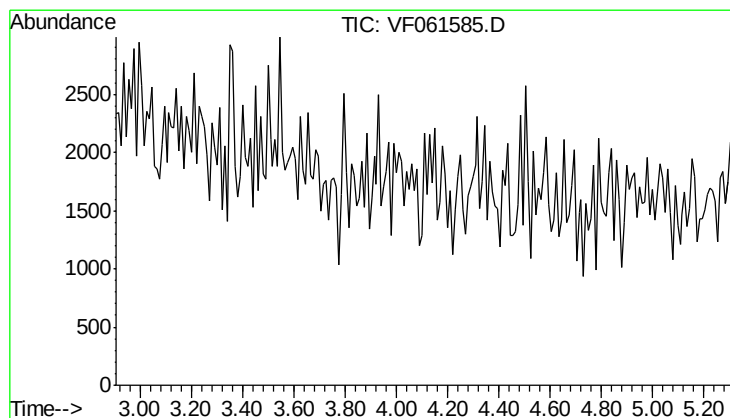
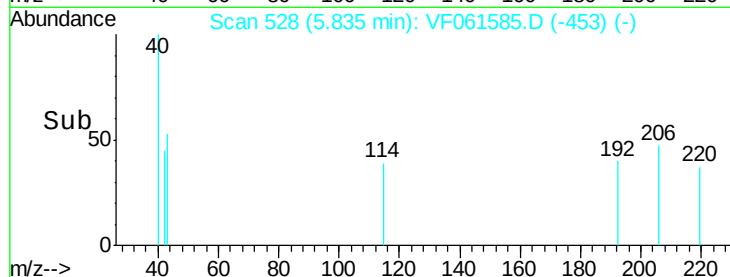
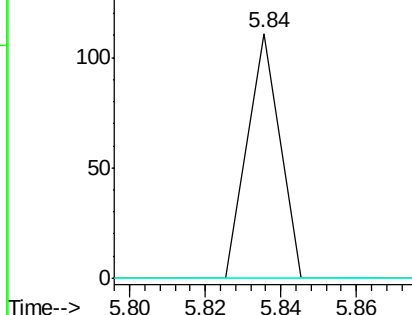
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.84 min Scan# 528
 Delta R.T. 0.24 min
 Lab File: VF061585.D
 Acq: 11 Feb 2019 14:49

Instrument :
 MSVOA_F
 ClientSampleId :
 SU-03-020819-A

Tot Ion	Ratio	Lower	Upper
114	100		
63	0.0	0.0	39.0
88	0.0	0.0	37.4



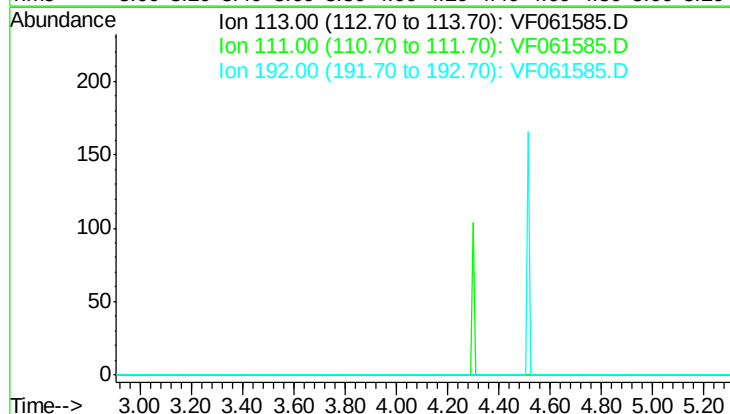
Abundance Ion 114.00 (113.70 to 114.70): VF061585.D
 Ion 63.00 (62.70 to 63.70): VF061585.D
 Ion 88.00 (87.70 to 88.70): VF061585.D

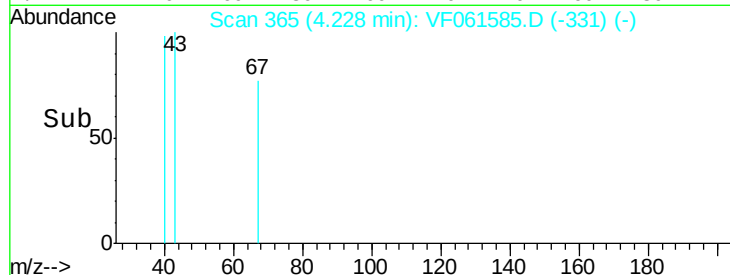
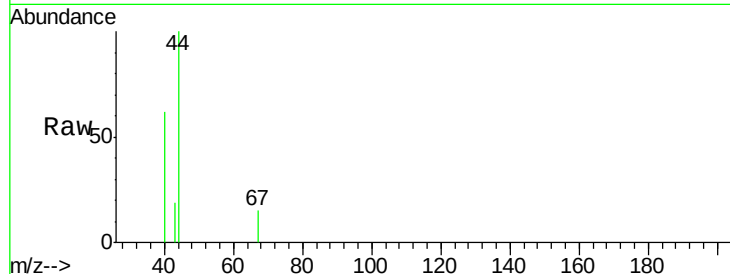
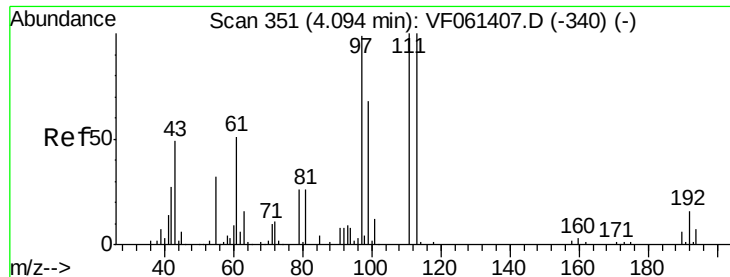


#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 4.10 min

Lab File: VF061585.D
 Acq: 11 Feb 2019 14:49

Tgt Ion	Sig	Exp Ratio
113	100	
111	99.2	
192	15.5	

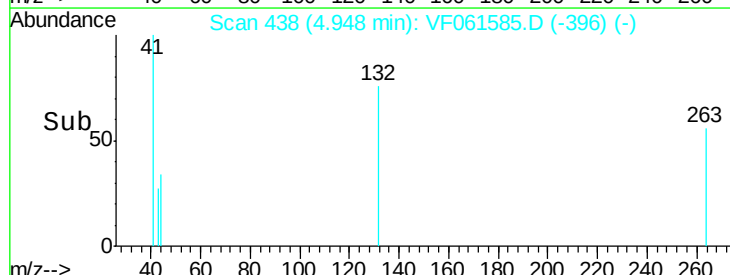
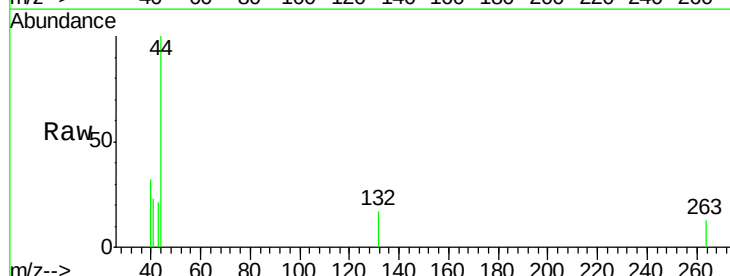
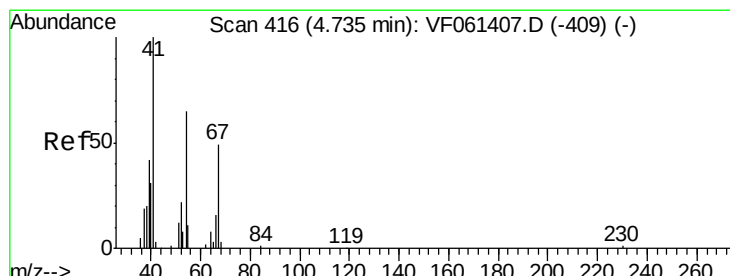
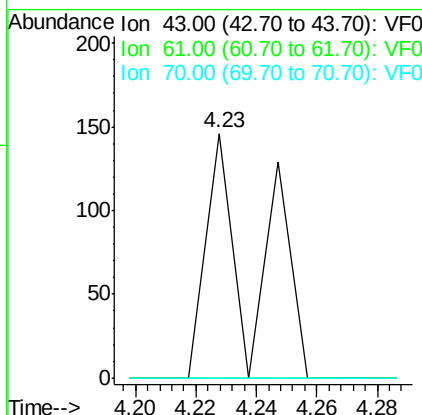




#37
Ethyl Acetate
Concen: 532.871 ug/l
RT: 4.23 min Scan# 365
Delta R.T. 0.13 min
Lab File: VF061585.D
Acq: 11 Feb 2019 14:49

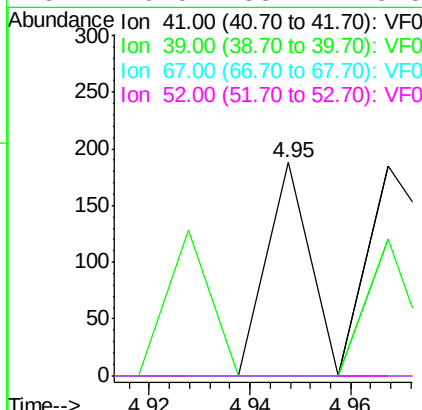
Instrument :
MSVOA_F
ClientSampleId :
SU-03-020819-A

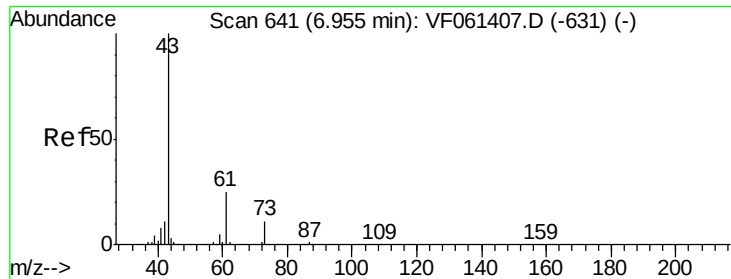
Tot Ion: 43 Resp: 163
Ion Ratio Lower Upper
43 100
61 0.0 81.7 122.5#
70 0.0 6.2 9.2#



#41
Methacrylonitrile
Concen: 681.963 ug/l
RT: 4.95 min Scan# 438
Delta R.T. 0.21 min
Lab File: VF061585.D
Acq: 11 Feb 2019 14:49

Tgt Ion: 41 Resp: 111
Ion Ratio Lower Upper
41 100
39 0.0 43.1 64.7#
67 0.0 38.8 58.2#
52 0.0 33.2 49.8#





#43

Isopropyl Acetate

Concen: 184.937 ug/l

RT: 7.25 min Scan# 671

Delta R.T. 0.29 min

Lab File: VF061585.D

Acq: 11 Feb 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

SU-03-020819-A

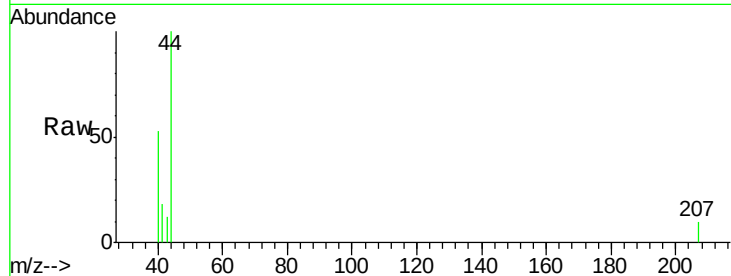
Tot Ion: 43 Resp: 71

Ion Ratio Lower Upper

43 100

61 0.0 20.3 30.5#

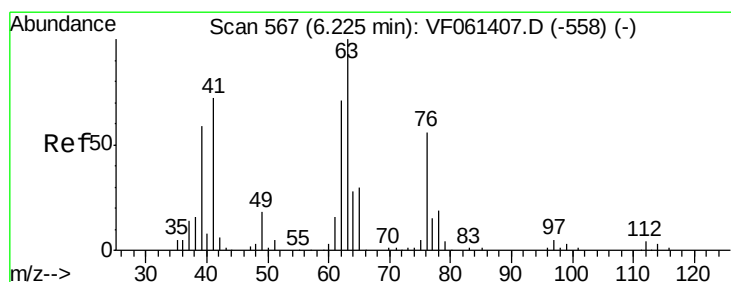
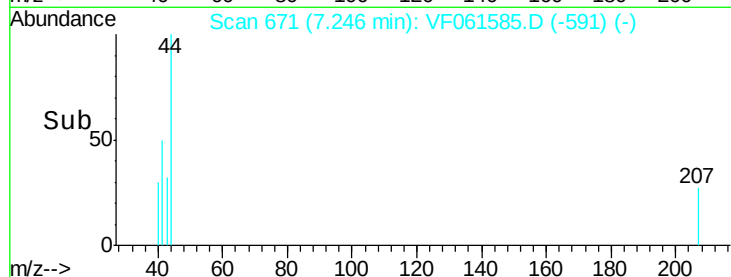
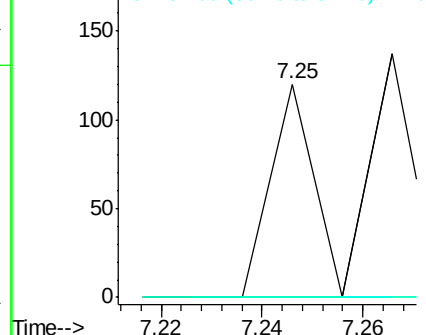
87 0.0 0.5 0.7#



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



#45

1,2-Dichloropropane

Concen: 161.109 ug/l

RT: 6.45 min Scan# 590

Delta R.T. 0.22 min

Lab File: VF061585.D

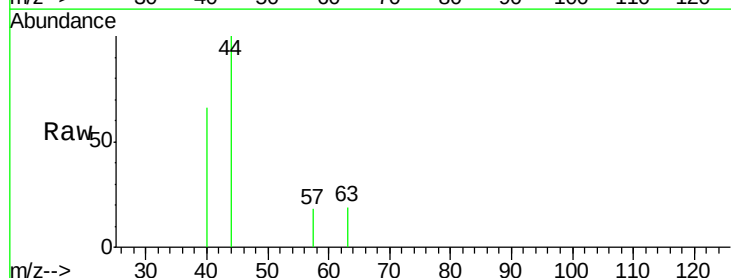
Acq: 11 Feb 2019 14:49

Tgt Ion: 63 Resp: 72

Ion Ratio Lower Upper

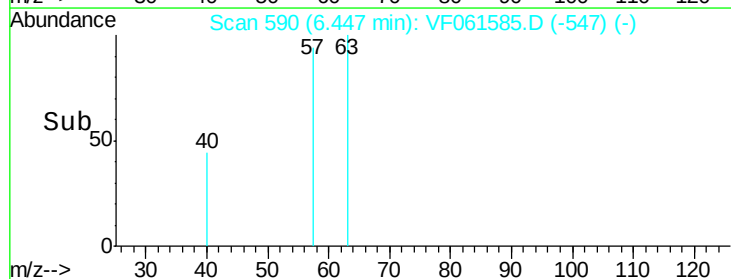
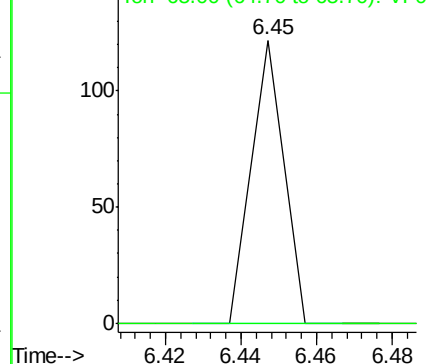
63 100

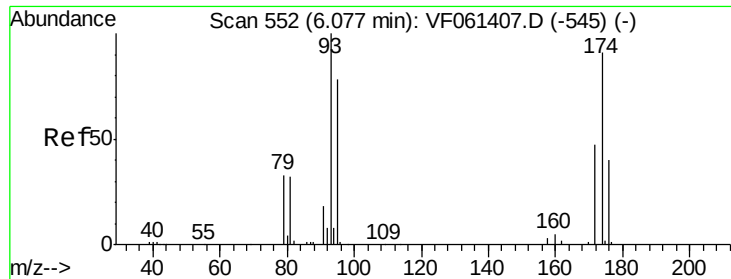
65 0.0 24.4 36.6#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0





#46

Dibromomethane

Concen: 222.101 ug/l

RT: 6.40 min Scan# 585

Delta R.T. 0.32 min

Lab File: VF061585.D

Acq: 11 Feb 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

SU-03-020819-A

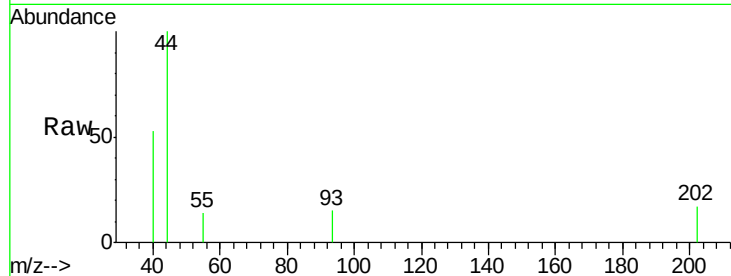
Tot Ion: 93 Resp: 66

Ion Ratio Lower Upper

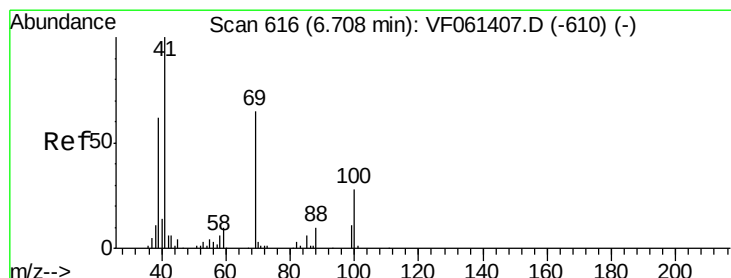
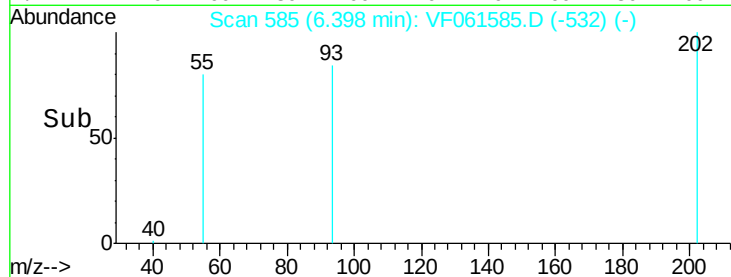
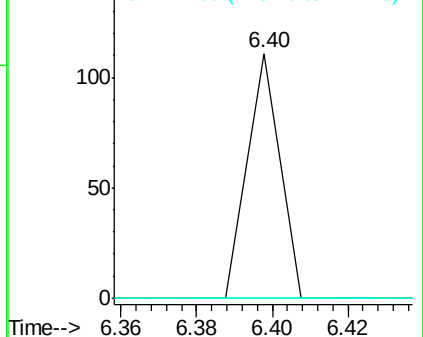
93 100

95 0.0 62.1 93.1#

174 0.0 74.6 111.8#



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



#48

Methyl methacrylate

Concen: 1144.301 ug/l

RT: 6.97 min Scan# 643

Delta R.T. 0.26 min

Lab File: VF061585.D

Acq: 11 Feb 2019 14:49

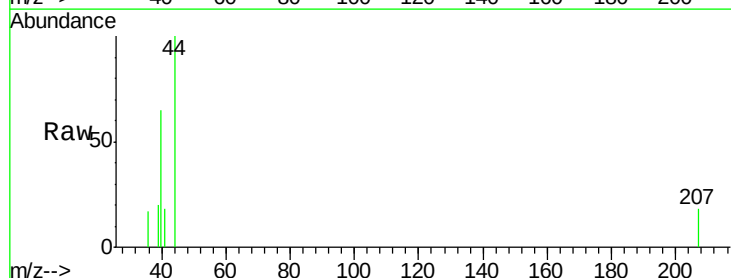
Tgt Ion: 41 Resp: 295

Ion Ratio Lower Upper

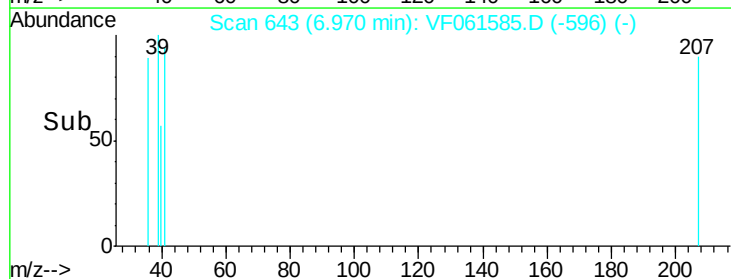
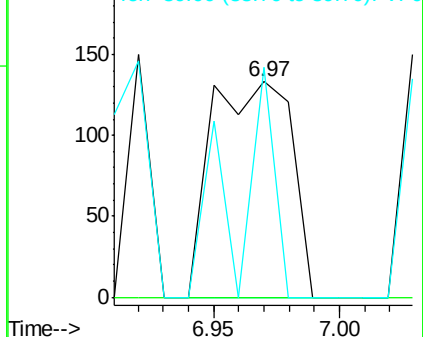
41 100

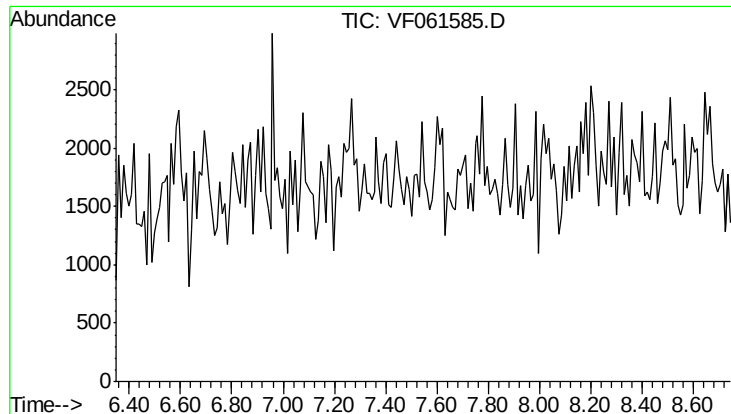
69 0.0 51.7 77.5#

39 106.8 49.2 73.8#



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



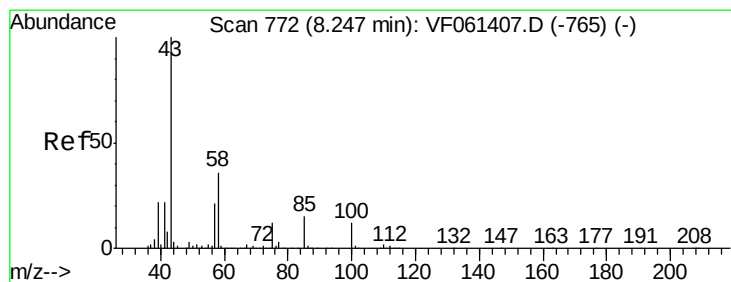
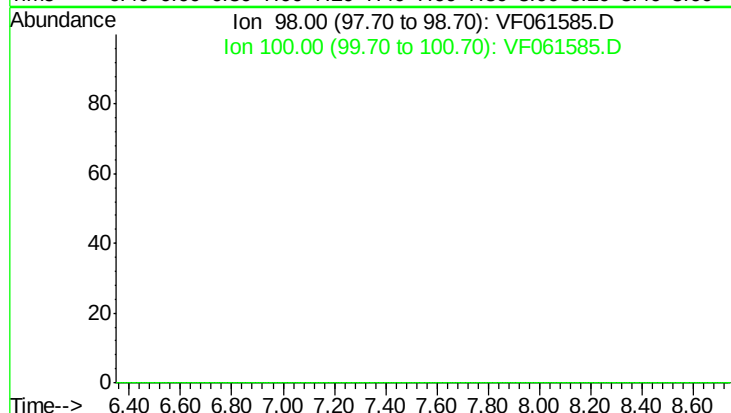


#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 7.55 min

Lab File: VF061585.D
Acq: 11 Feb 2019 14:49

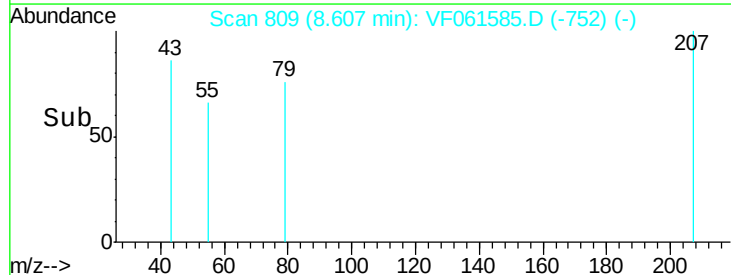
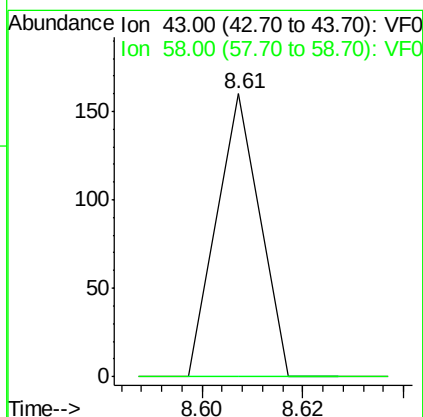
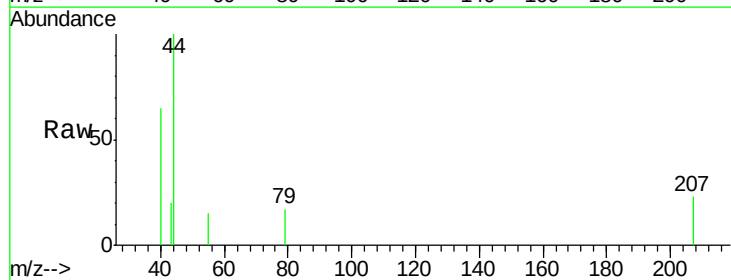
Instrument :
MSVOA_F
ClientSampleId :
SU-03-020819-A

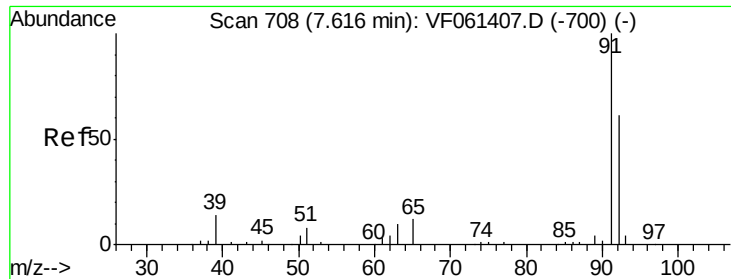
Tot Ion: 98
Sig Exp Ratio
98 100
100 69.5



#51
4-Methyl-2-Pentanone
Concen: 336.596 ug/l
RT: 8.61 min Scan# 809
Delta R.T. 0.36 min
Lab File: VF061585.D
Acq: 11 Feb 2019 14:49

Tgt Ion: 43 Resp: 95
Ion Ratio Lower Upper
43 100
58 0.0 28.8 43.2#





#52

Toluene

Concen: 74.910 ug/l

RT: 7.88 min Scan# 735

Delta R.T. 0.26 min

Lab File: VF061585.D

Acq: 11 Feb 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

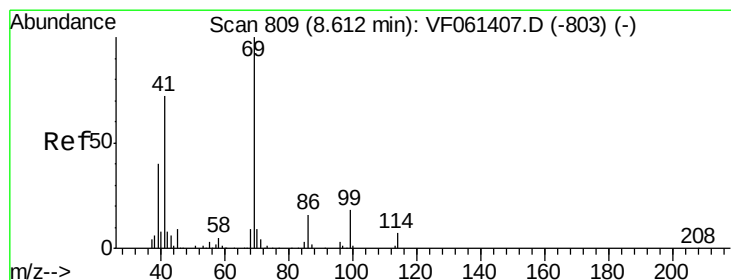
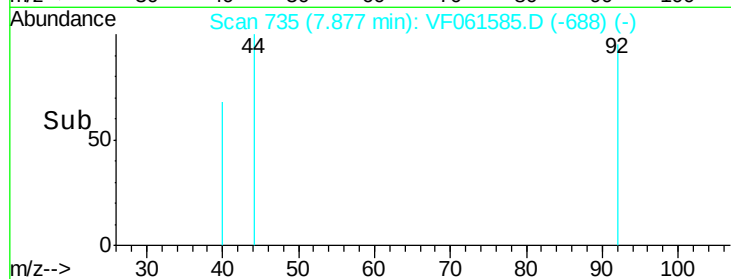
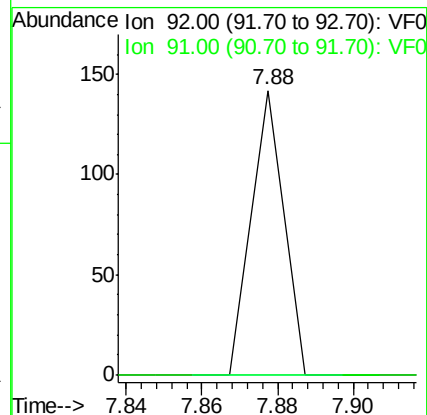
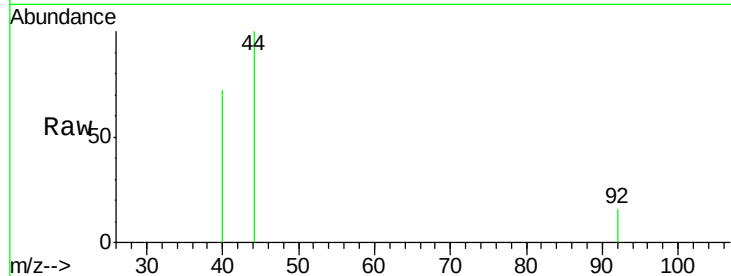
SU-03-020819-A

Tot Ion: 92 Resp: 84

Ion Ratio Lower Upper

92 100

91 0.0 131.2 196.8#



#56

Ethyl methacrylate

Concen: 178.152 ug/l

RT: 8.99 min Scan# 848

Delta R.T. 0.38 min

Lab File: VF061585.D

Acq: 11 Feb 2019 14:49

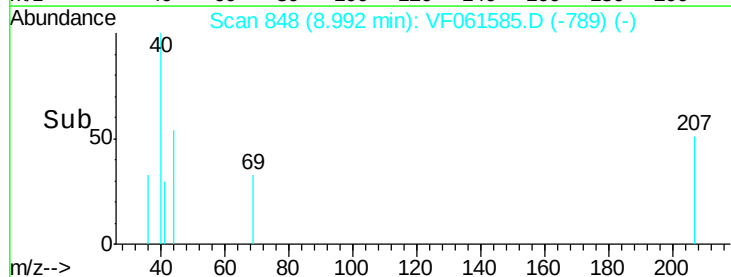
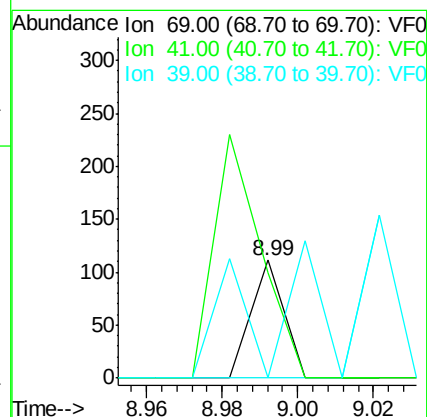
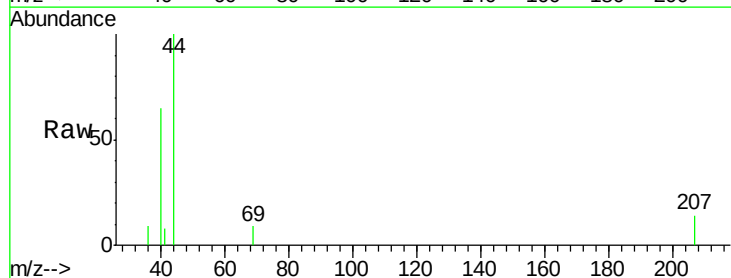
Tgt Ion: 69 Resp: 66

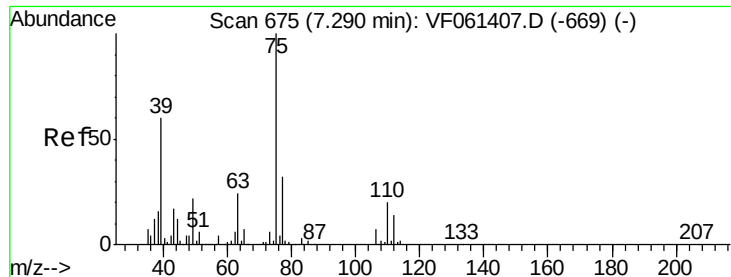
Ion Ratio Lower Upper

69 100

41 90.1 57.5 86.3#

39 0.0 32.0 48.0#





#58

2-Chloroethyl Vinyl ether

Concen: 1631.064 ug/l

RT: 7.58 min Scan# 705

Delta R.T. 0.29 min

Lab File: VF061585.D

Acq: 11 Feb 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

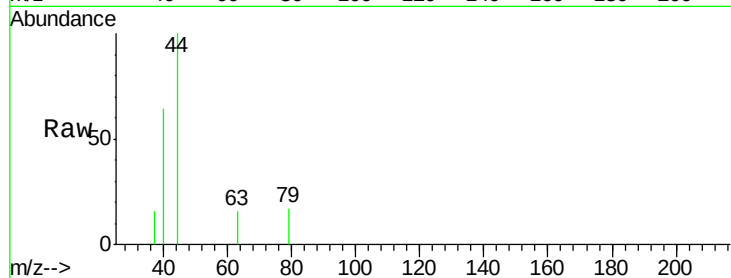
SU-03-020819-A

Tot Ion: 63 Resp: 70

Ion Ratio Lower Upper

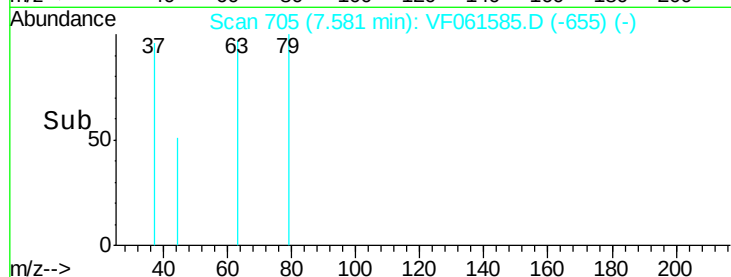
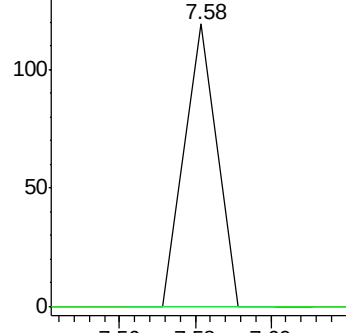
63 100

106 0.0 21.9 32.9#

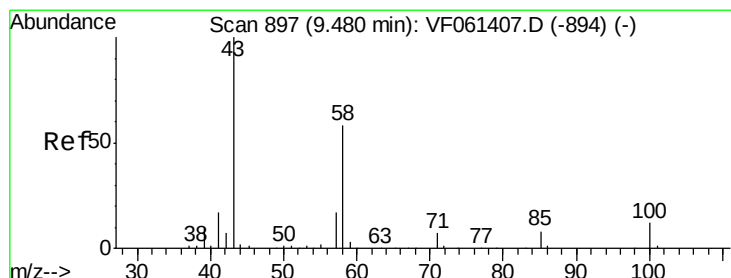


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): VF0



Time-->



#59

2-Hexanone

Concen: 396.322 ug/l

RT: 9.85 min Scan# 935

Delta R.T. 0.37 min

Lab File: VF061585.D

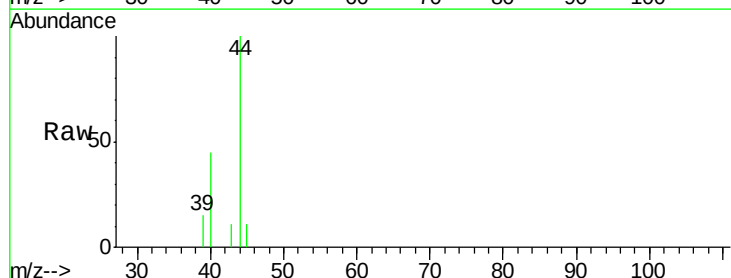
Acq: 11 Feb 2019 14:49

Tgt Ion: 43 Resp: 78

Ion Ratio Lower Upper

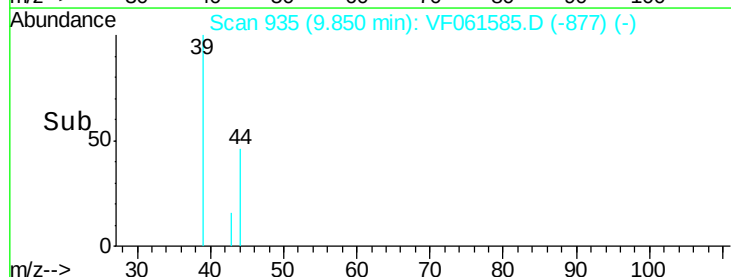
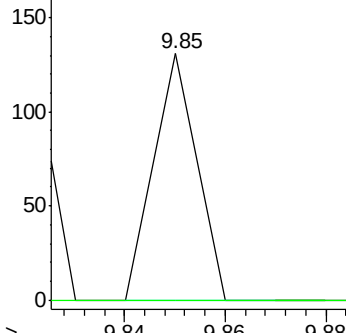
43 100

58 0.0 25.9 77.6#

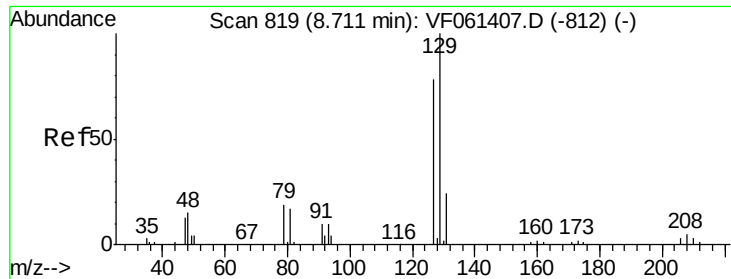


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->



#60

Dibromochloromethane

Concen: 154.663 ug/l

RT: 9.19 min Scan# 868

Delta R.T. 0.48 min

Lab File: VF061585.D

Acq: 11 Feb 2019 14:49

Instrument :

MSVOA_F

ClientSampleId :

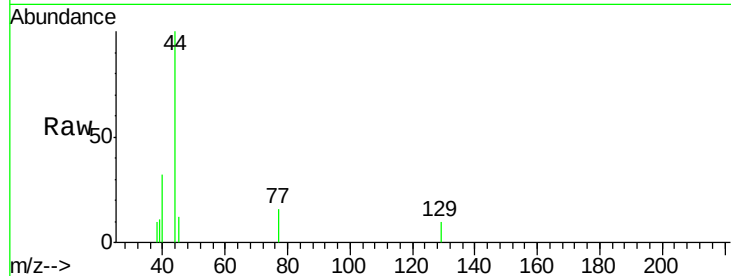
SU-03-020819-A

Tot Ion:129 Resp: 72

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.2#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

9.19

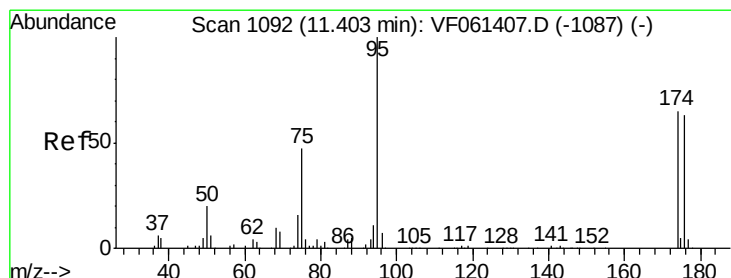
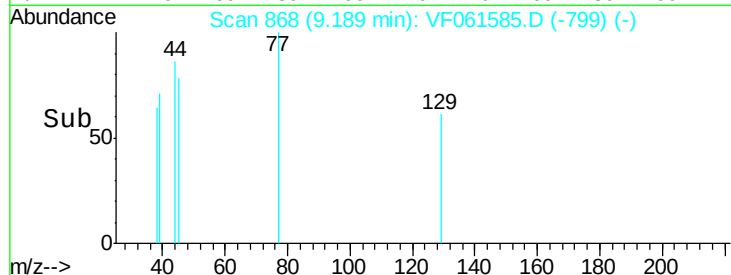
100

50

0

9.16 9.18 9.20 9.22

Time-->



#62

4-Bromofluorobenzene

Concen: 95.998 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. 0.41 min

Lab File: VF061585.D

Acq: 11 Feb 2019 14:49

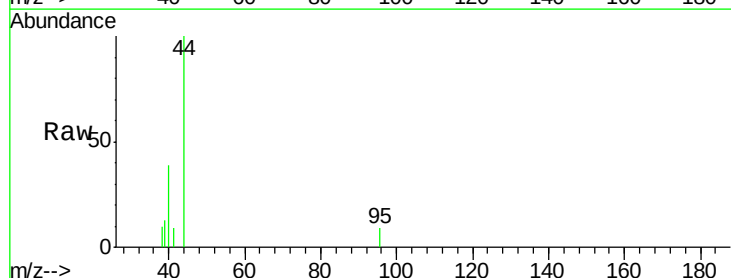
Tgt Ion: 95 Resp: 64

Ion Ratio Lower Upper

95 100

174 0.0 0.0 130.4

176 0.0 0.0 126.2



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

150

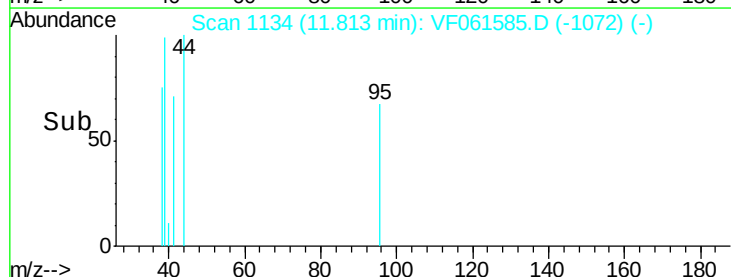
100

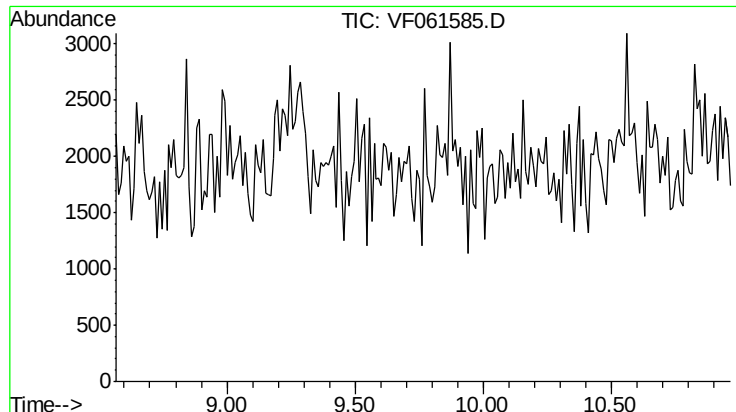
50

0

11.78 11.80 11.82 11.84

Time-->

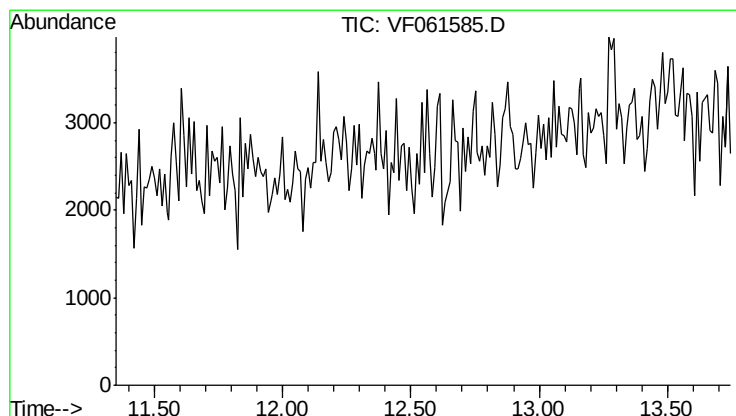
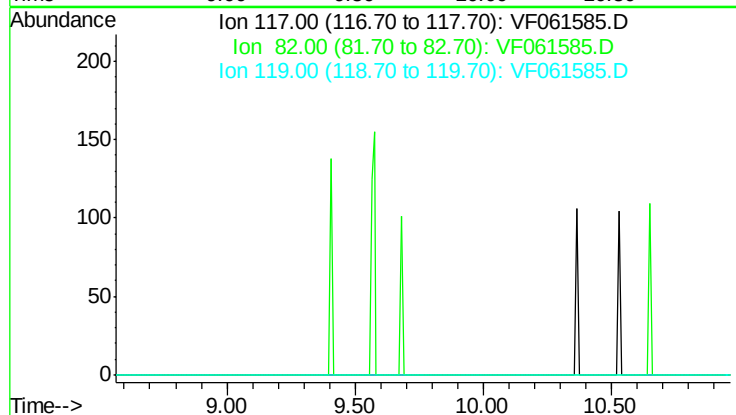




#63
 Chlorobenzene-d5
 Concen: 0.000 ug/l
 Expected RT: 9.77 min
 Lab File: VF061585.D
 Acq: 11 Feb 2019 14:49

Instrument :
 MSVOA_F
 ClientSampleId :
 SU-03-020819-A

Tot Ion	117
Sig	Exp Ratio
117	100
82	58.0
119	34.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ug/l
 Expected RT: 12.55 min
 Lab File: VF061585.D
 Acq: 11 Feb 2019 14:49

Tgt Ion	152
Sig	Exp Ratio
152	100
115	60.0
150	160.7

