

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032219\
 Data File : VF062105.D
 Acq On : 23 Mar 2019 4:25
 Operator : VA/AP
 Sample : K2058-05
 Misc : 5.80µ/5mL/MSVOA-F/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S3B(15)

Quant Time: Mar 23 06:38:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	242967	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.61	114	402743	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.79	117	344897	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	182405	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.86	65	93651	51.82	ug/l	-0.02
Spiked Amount				50.000		
Recovery						= 103.64%
35) Dibromofluoromethane	4.13	113	134912	49.52	ug/l	-0.02
Spiked Amount				50.000		
Recovery						= 99.04%
50) Toluene-d8	7.57	98	340697	41.89	ug/l	-0.02
Spiked Amount				50.000		
Recovery						= 83.78%
62) 4-Bromofluorobenzene	11.42	95	144900	46.15	ug/l	-0.02
Spiked Amount				50.000		
Recovery						= 92.30%

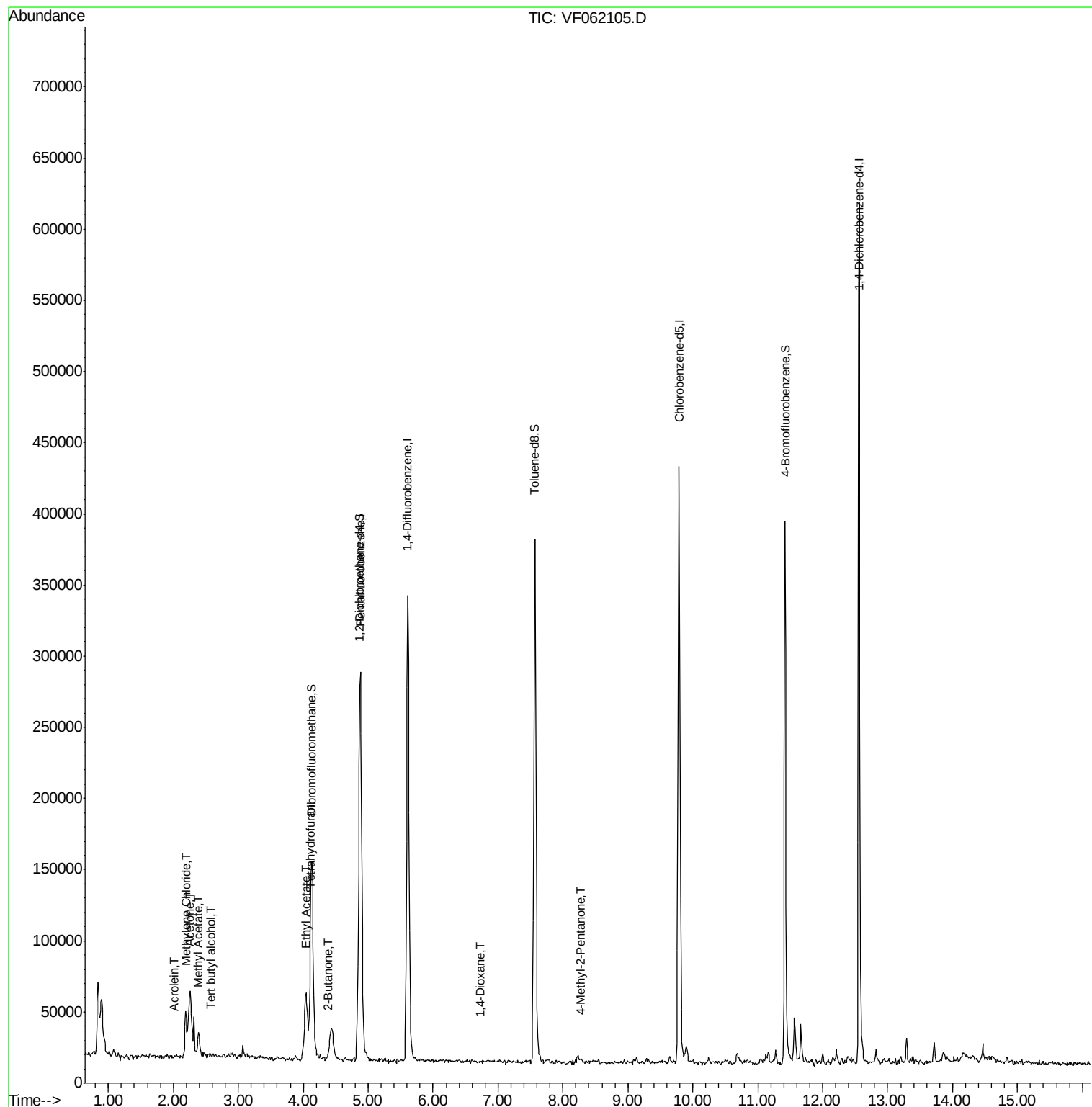
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.58	59	317	3.188	ug/l #	66
13) Acrolein	2.01	56	354	2.961	ug/l	91
16) Acetone	2.25	43	15848	41.666	ug/l	96
18) Methyl Acetate	2.39	43	5662	6.240	ug/l #	56
20) Methylene Chloride	2.19	84	17462	4.727	ug/l	96
25) 2-Butanone	4.37	43	1565	1.971	ug/l	98
29) Tetrahydrofuran	4.10	42	1357	3.931	ug/l	96
37) Ethyl Acetate	4.04	43	4110	2.452	ug/l	95
49) 1,4-Dioxane	6.73	88	67	6.605	ug/l #	25
51) 4-Methyl-2-Pentanone	8.28	43	2134	1.570	ug/l #	68

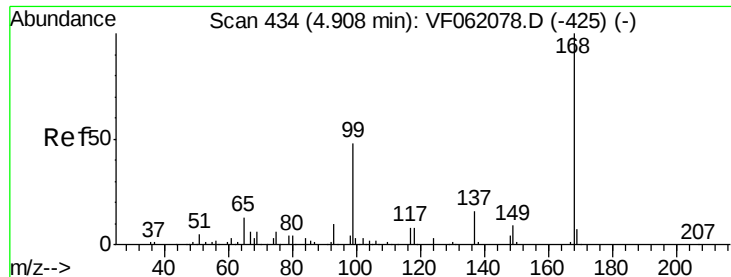
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Mar 23 01:16:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.03 min

Lab File: VF062105.D

Acq: 23 Mar 2019 4:25

Instrument :

MSVOA_F

ClientSampleId :

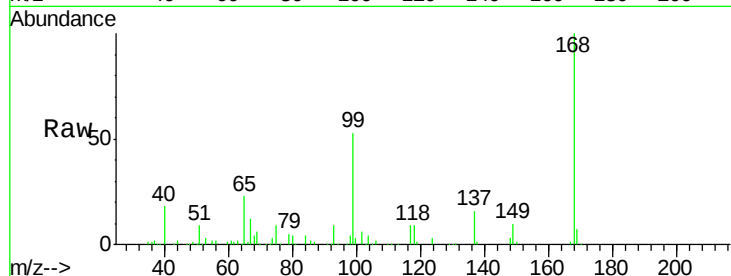
S3B(15)

Tot Ion:168 Resp: 242967

Ion Ratio Lower Upper

168 100

99 53.3 38.2 57.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

80000

60000

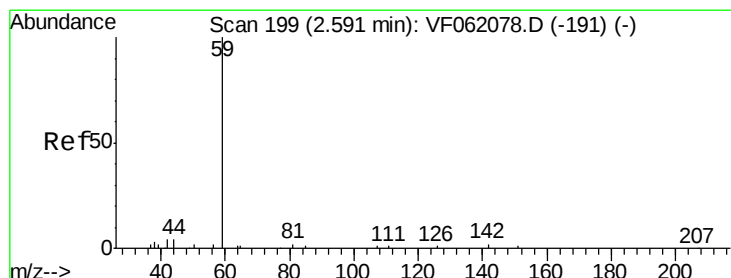
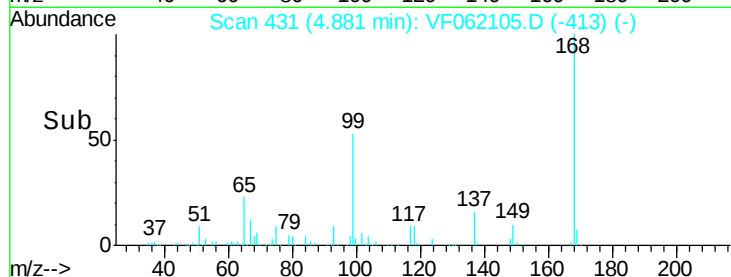
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#11

Tert butyl alcohol

Concen: 3.188 ug/l

RT: 2.58 min Scan# 198

Delta R.T. -0.01 min

Lab File: VF062105.D

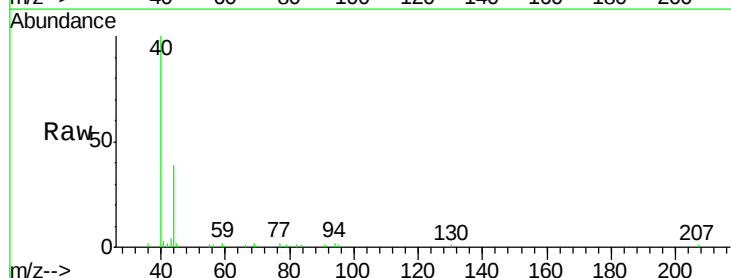
Acq: 23 Mar 2019 4:25

Tgt Ion: 59 Resp: 317

Ion Ratio Lower Upper

59 100

57 0.0 11.0 16.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

250

200

150

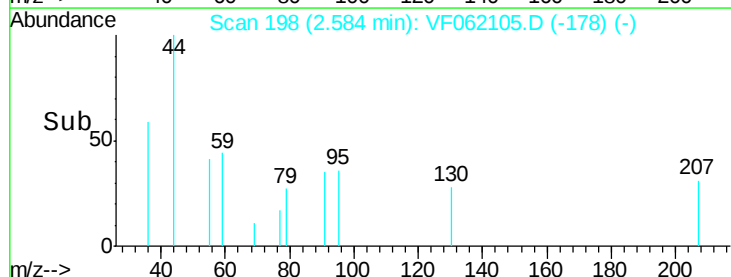
100

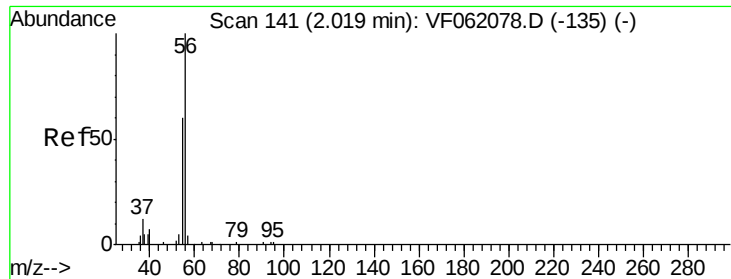
50

0

Time-->

2.55 2.60

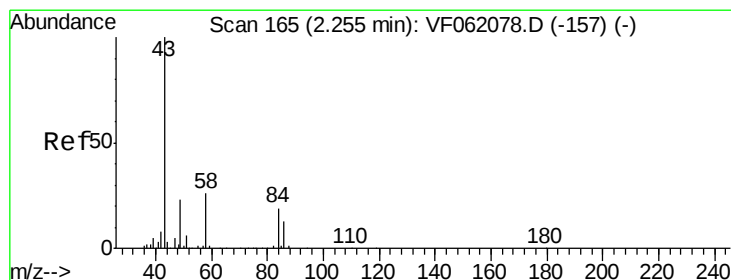
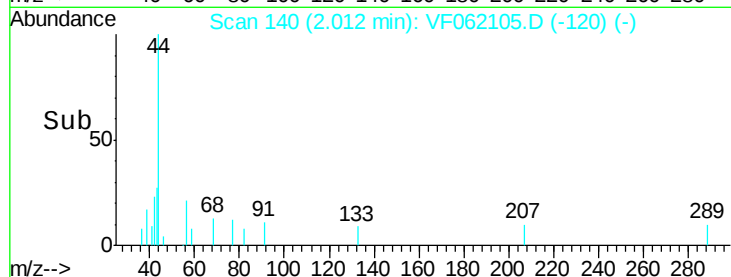
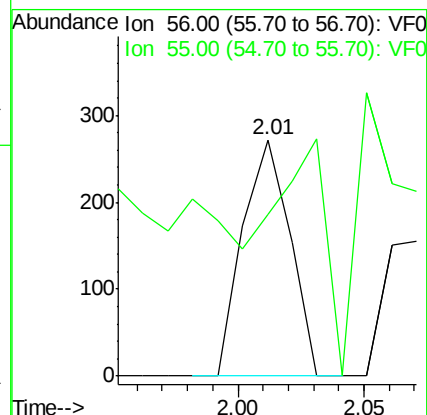
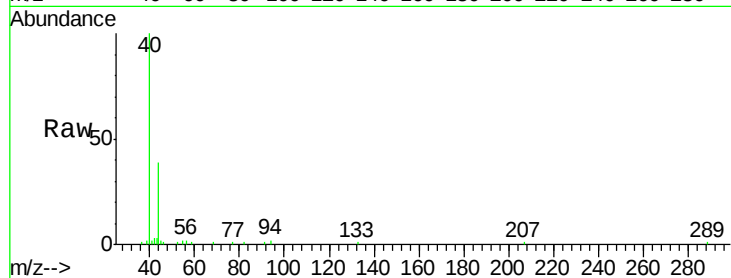




#13
Acrolein
Concen: 2.961 ug/l
RT: 2.01 min Scan# 140
Delta R.T. -0.01 min
Lab File: VF062105.D
Acq: 23 Mar 2019 4:25

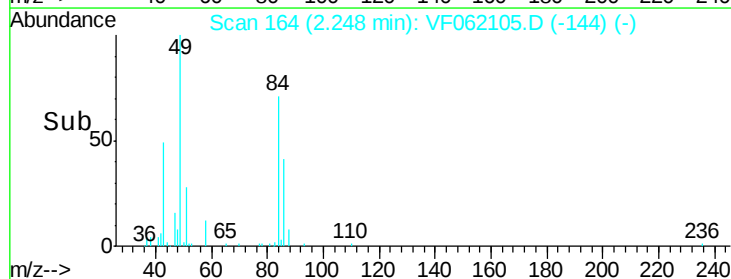
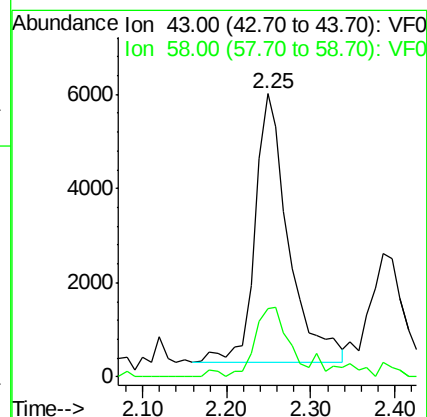
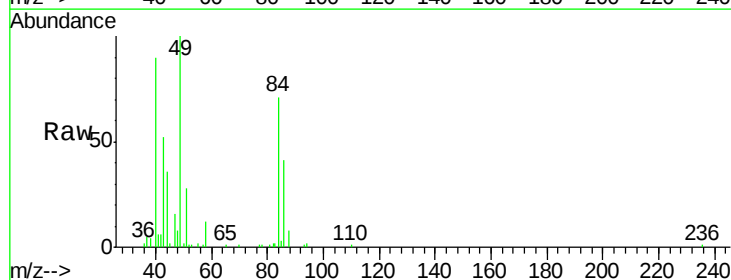
Instrument :
MSVOA_F
ClientSampleId :
S3B(15)

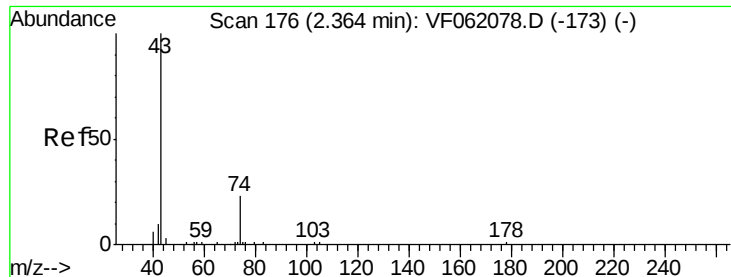
Tot Ion: 56 Resp: 354
Ion Ratio Lower Upper
56 100
55 68.4 49.0 73.4



#16
Acetone
Concen: 41.666 ug/l
RT: 2.25 min Scan# 164
Delta R.T. -0.01 min
Lab File: VF062105.D
Acq: 23 Mar 2019 4:25

Tgt Ion: 43 Resp: 15848
Ion Ratio Lower Upper
43 100
58 24.0 20.8 31.2

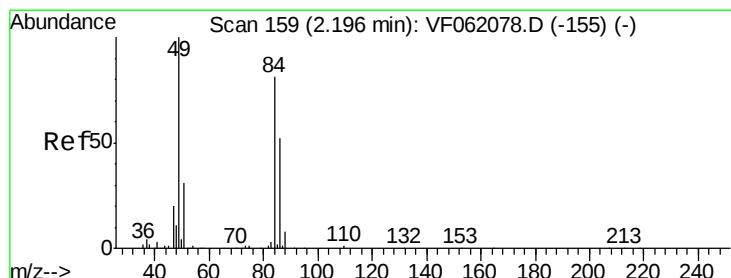
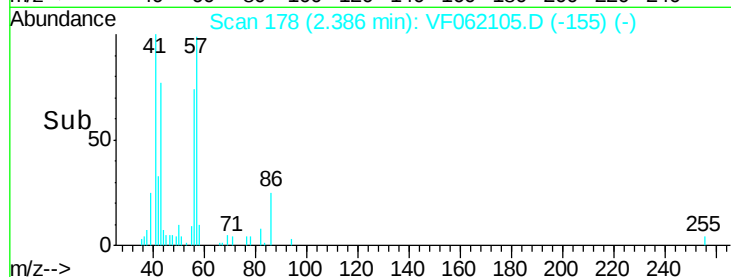
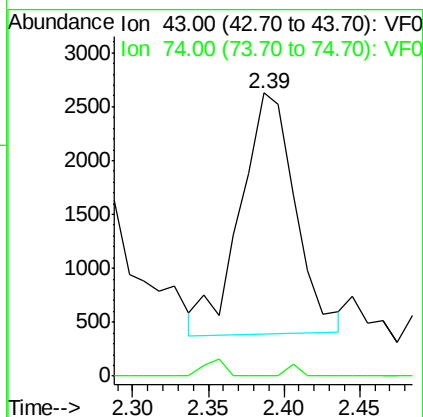
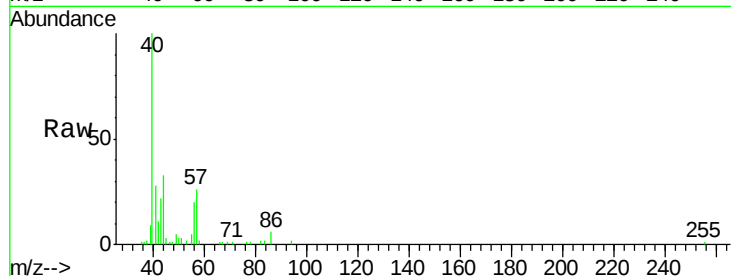




#18
Methyl Acetate
Concen: 6.240 ug/l
RT: 2.39 min Scan# 178
Delta R.T. 0.02 min
Lab File: VF062105.D
Acq: 23 Mar 2019 4:25

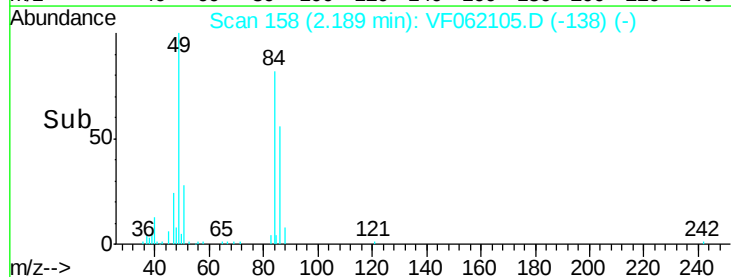
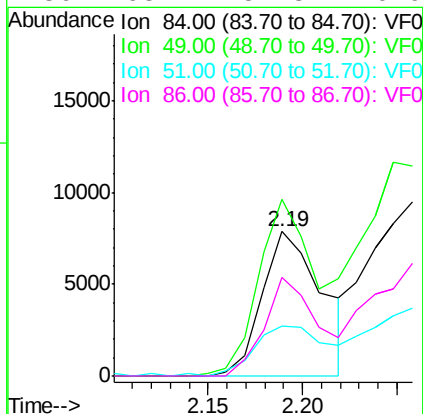
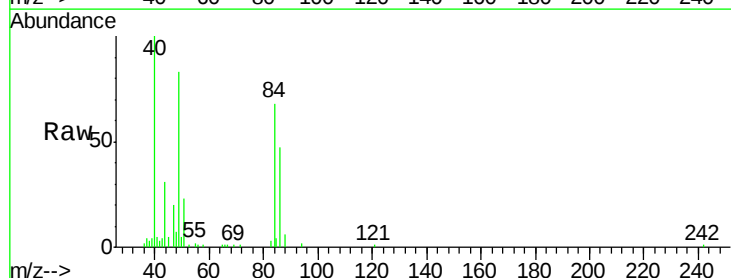
Instrument :
MSVOA_F
ClientSampleId :
S3B(15)

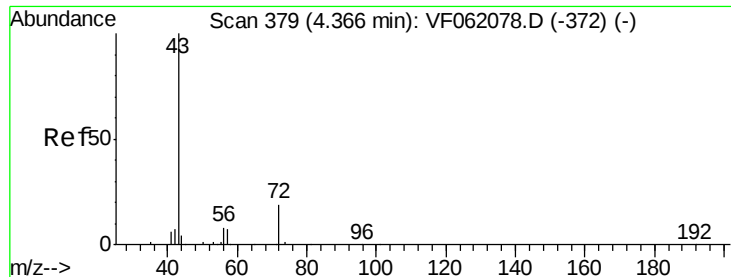
Tot Ion: 43 Resp: 5662
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#



#20
Methylene Chloride
Concen: 4.727 ug/l
RT: 2.19 min Scan# 158
Delta R.T. -0.01 min
Lab File: VF062105.D
Acq: 23 Mar 2019 4:25

Tgt Ion: 84 Resp: 17462
Ion Ratio Lower Upper
84 100
49 122.2 100.4 150.6
51 34.3 31.0 46.6
86 68.1 51.3 76.9





#25

2-Butanone

Concen: 1.971 ug/l

RT: 4.37 min Scan# 379

Delta R.T. 0.00 min

Lab File: VF062105.D

Acq: 23 Mar 2019 4:25

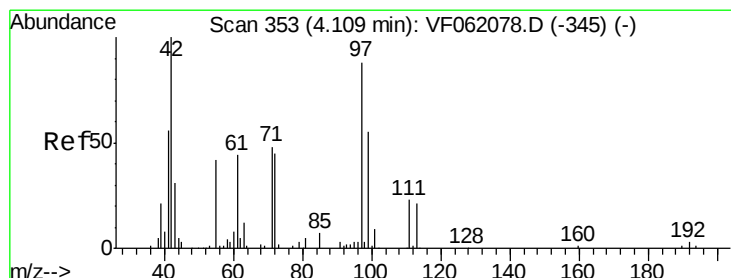
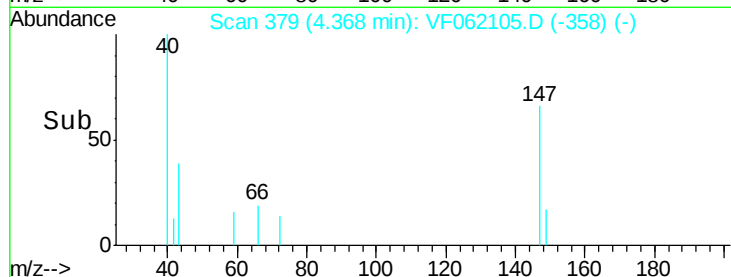
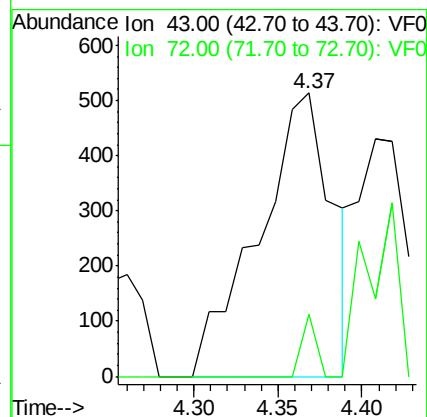
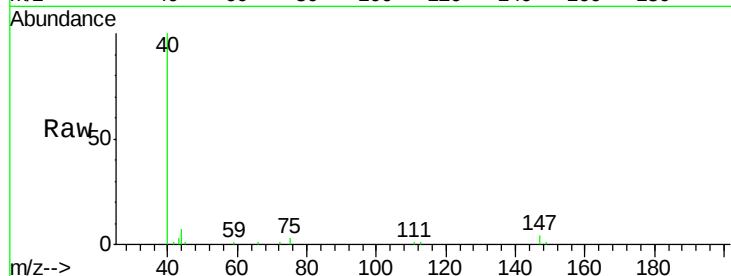
Instrument :
MSVOA_F
ClientSampled :
S3B(15)

Tot Ion: 43 Resp: 1565

Ion Ratio Lower Upper

43 100

72 22.0 16.7 25.1



#29

Tetrahydrofuran

Concen: 3.931 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF062105.D

Acq: 23 Mar 2019 4:25

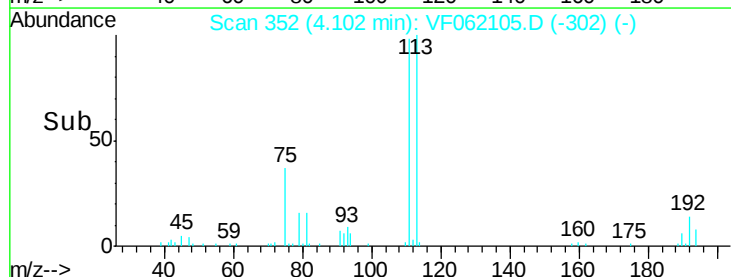
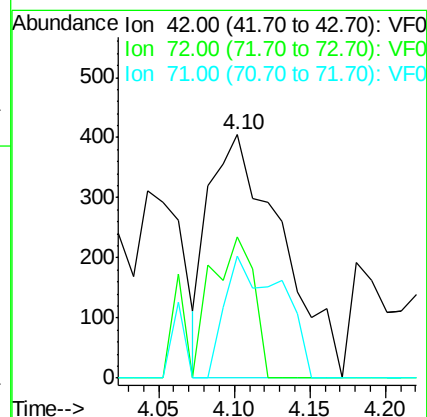
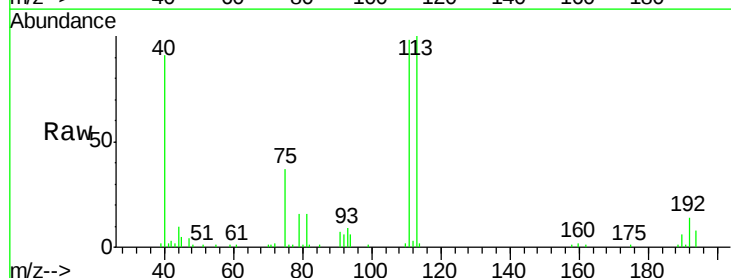
Tgt Ion: 42 Resp: 1357

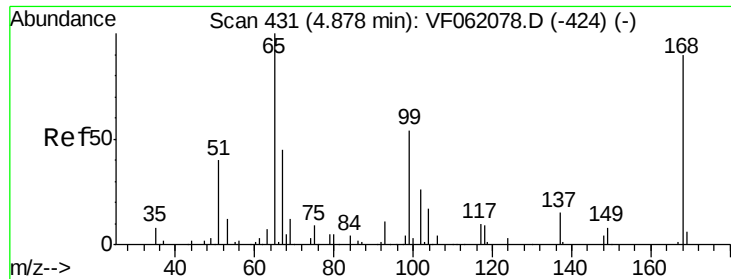
Ion Ratio Lower Upper

42 100

72 41.0 33.3 49.9

71 38.8 35.0 52.4

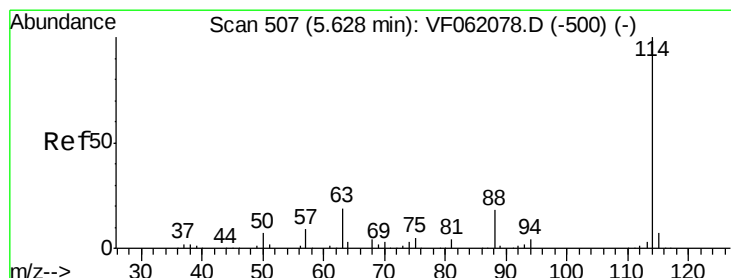
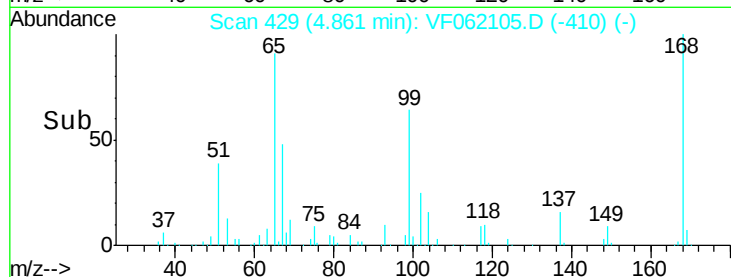
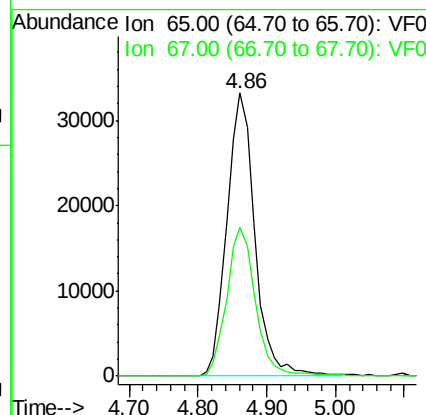
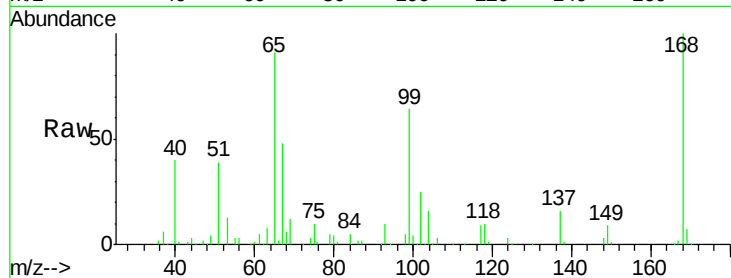




#33
 1,2-Dichloroethane-d4
 Concen: 51.821 ug/l
 RT: 4.86 min Scan# 429
 Delta R.T. -0.02 min
 Lab File: VF062105.D
 Acq: 23 Mar 2019 4:25

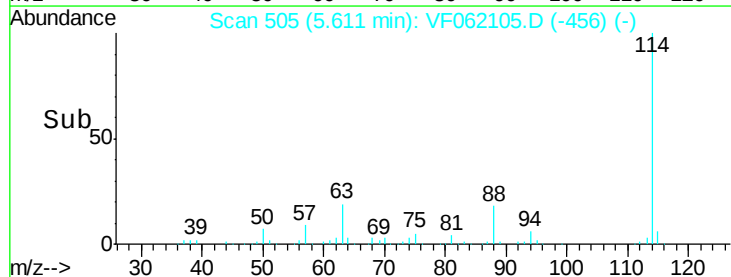
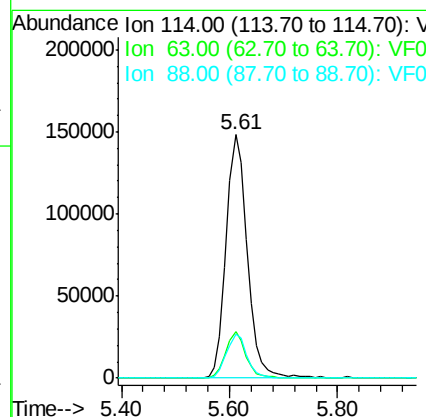
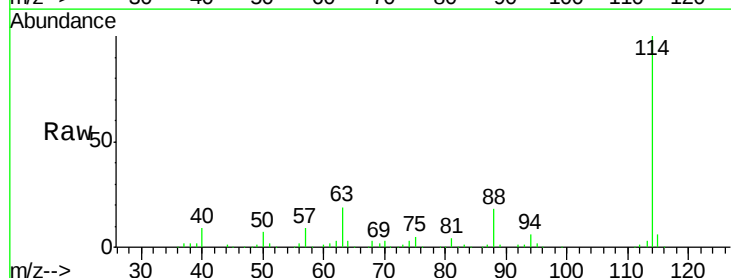
Instrument :
 MSVOA_F
 ClientSampleId :
 S3B(15)

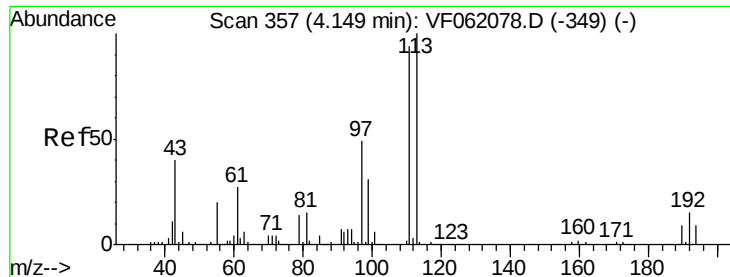
Tot Ion: 65 Resp: 93651
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. -0.02 min
 Lab File: VF062105.D
 Acq: 23 Mar 2019 4:25

Tgt Ion: 114 Resp: 402743
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 37.8
 88 18.2 0.0 36.4

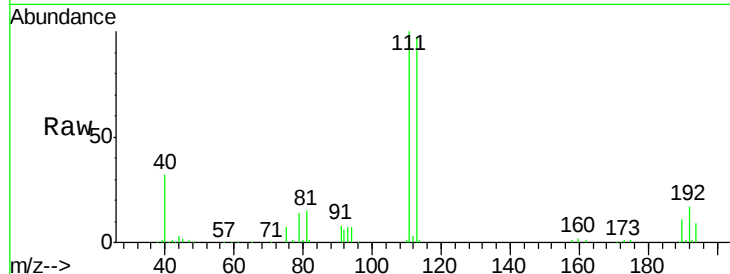




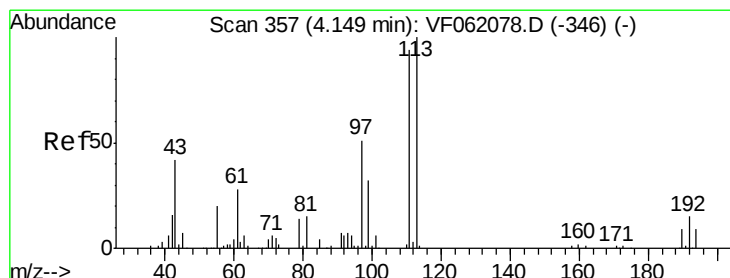
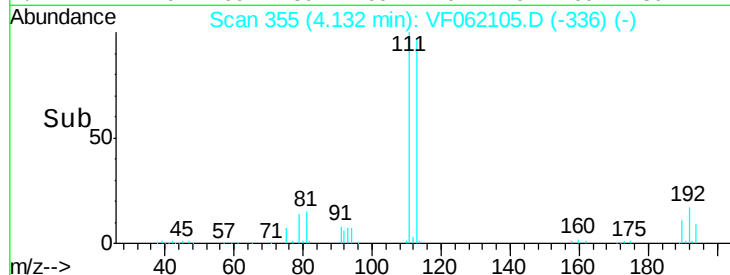
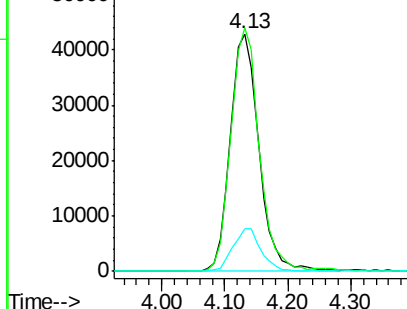
#35
 Dibromofluoromethane
 Concen: 49.520 ug/l
 RT: 4.13 min Scan# 355
 Delta R.T. -0.02 min
 Lab File: VF062105.D
 Acq: 23 Mar 2019 4:25

Instrument :
 MSVOA_F
 ClientSampleId :
 S3B(15)

Tot Ion:113 Resp: 134912
 Ion Ratio Lower Upper
 113 100
 111 102.6 75.4 113.0
 192 18.5 12.3 18.5

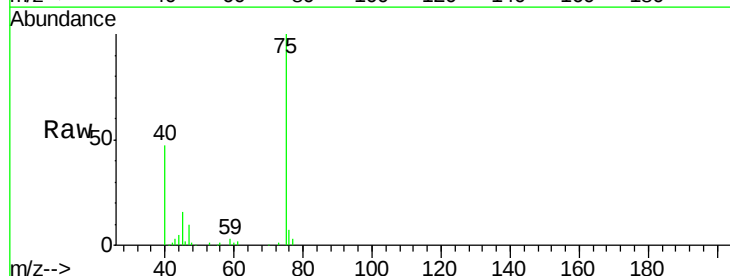


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

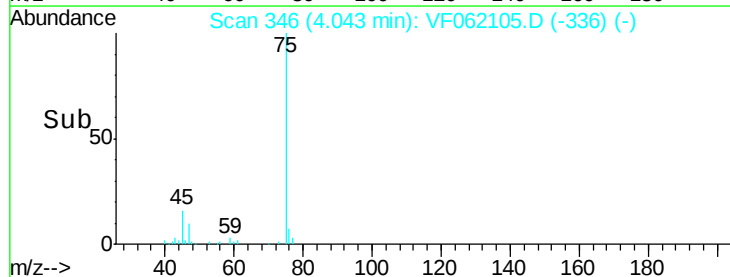
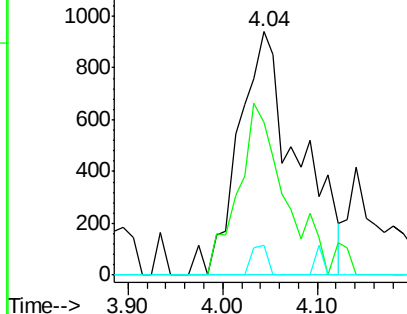


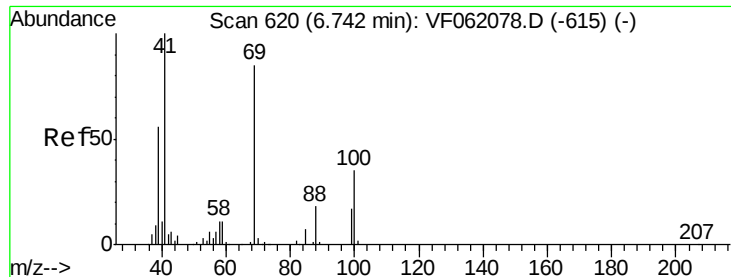
#37
 Ethyl Acetate
 Concen: 2.452 ug/l
 RT: 4.04 min Scan# 346
 Delta R.T. -0.11 min
 Lab File: VF062105.D
 Acq: 23 Mar 2019 4:25

Tgt Ion: 43 Resp: 4110
 Ion Ratio Lower Upper
 43 100
 61 62.6 53.6 80.4
 70 12.0 9.0 13.6



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





#49

1,4-Dioxane

Concen: 6.605 ug/l

RT: 6.73 min Scan# 619

Delta R.T. -0.01 min

Lab File: VF062105.D

Acq: 23 Mar 2019 4:25

Instrument :

MSVOA_F

ClientSampleId :

S3B(15)

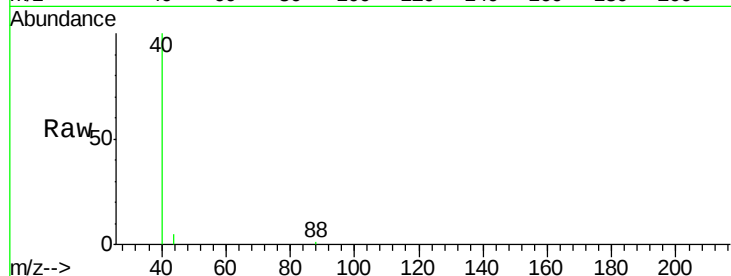
Tot Ion: 88 Resp: 67

Ion Ratio Lower Upper

88 100

43 0.0 35.0 52.4#

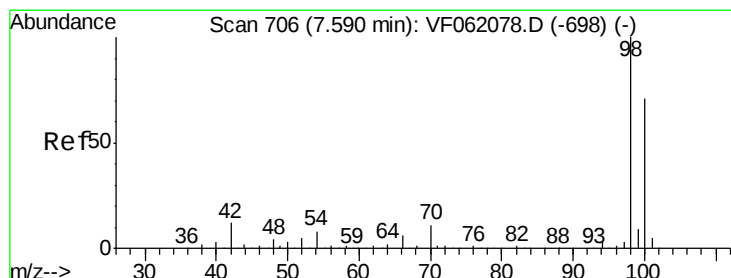
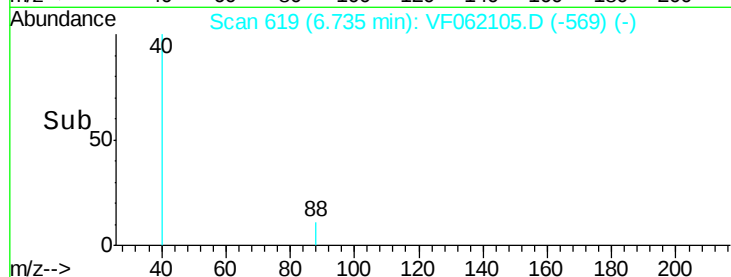
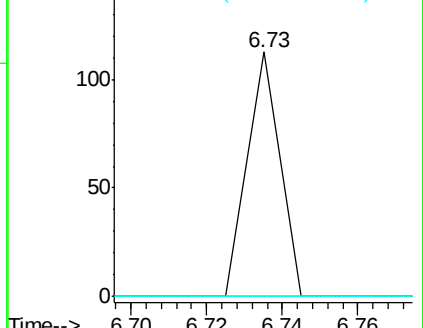
58 0.0 49.9 74.9#



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: 41.894 ug/l

RT: 7.57 min Scan# 704

Delta R.T. -0.02 min

Lab File: VF062105.D

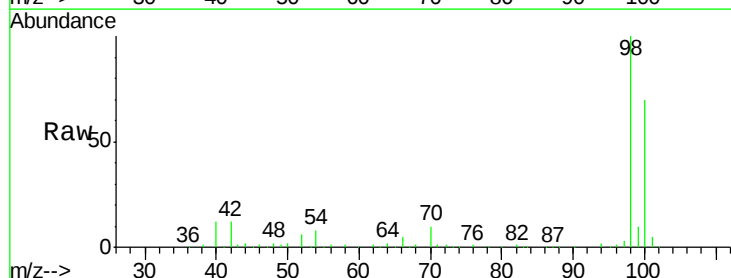
Acq: 23 Mar 2019 4:25

Tgt Ion: 98 Resp: 340697

Ion Ratio Lower Upper

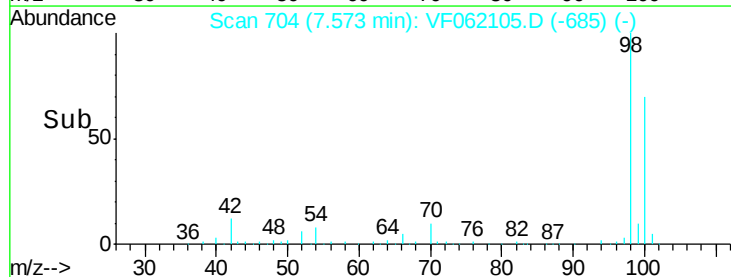
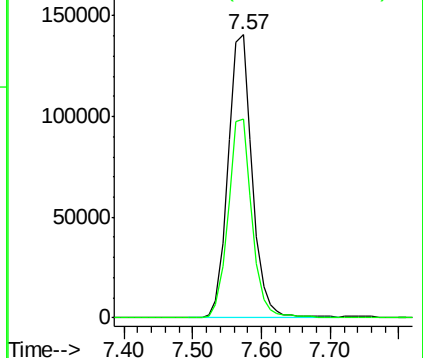
98 100

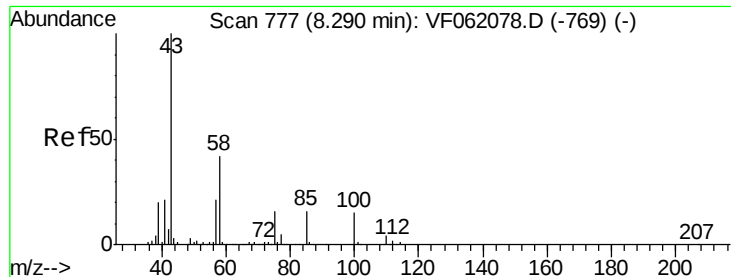
100 70.5 57.0 85.6



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: 1.570 ug/l

RT: 8.28 min Scan# 776

Delta R.T. -0.01 min

Lab File: VF062105.D

Acq: 23 Mar 2019 4:25

Instrument :

MSVOA_F

ClientSampleId :

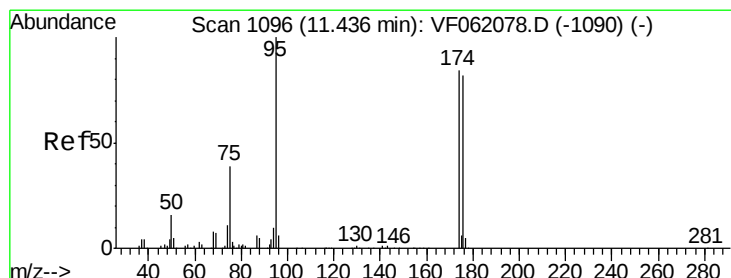
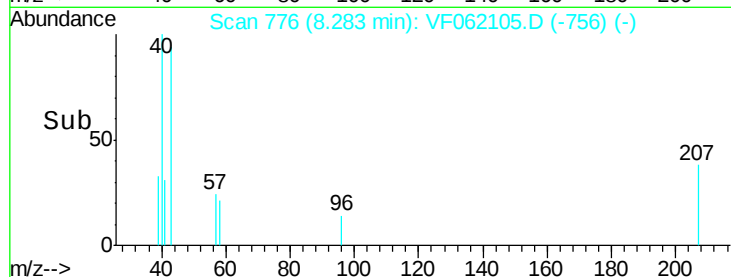
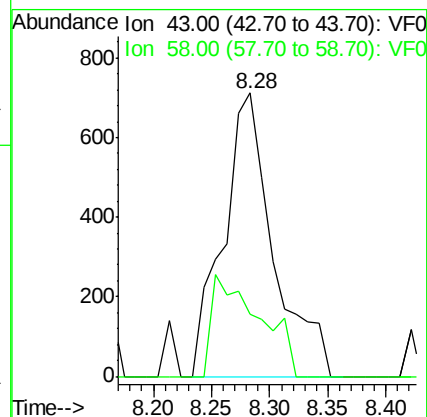
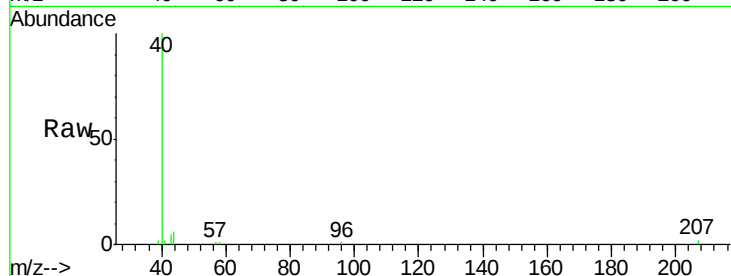
S3B(15)

Tot Ion: 43 Resp: 2134

Ion Ratio Lower Upper

43 100

58 21.9 33.8 50.8#



#62

4-Bromofluorobenzene

Concen: 46.153 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. -0.02 min

Lab File: VF062105.D

Acq: 23 Mar 2019 4:25

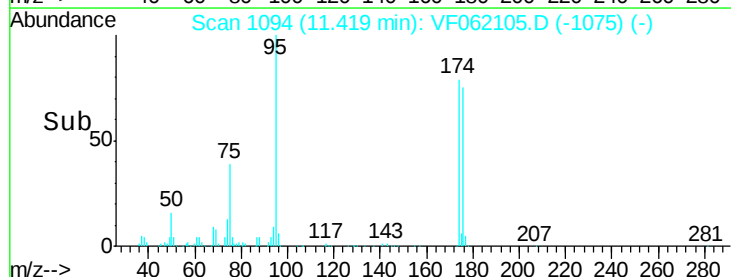
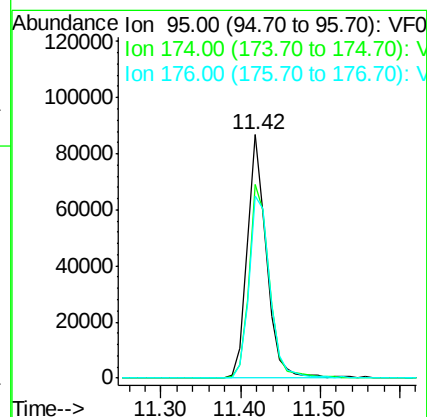
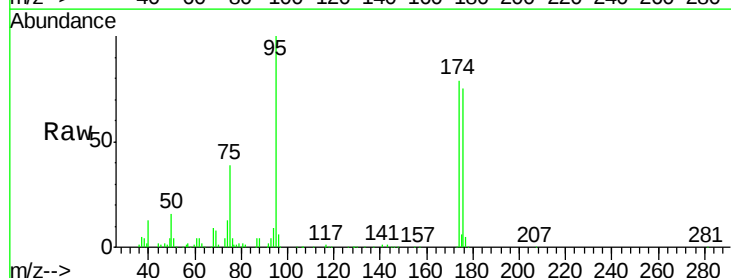
Tgt Ion: 95 Resp: 144900

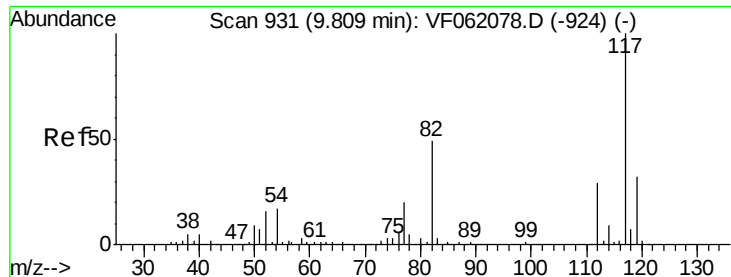
Ion Ratio Lower Upper

95 100

174 79.4 0.0 168.2

176 74.8 0.0 164.2

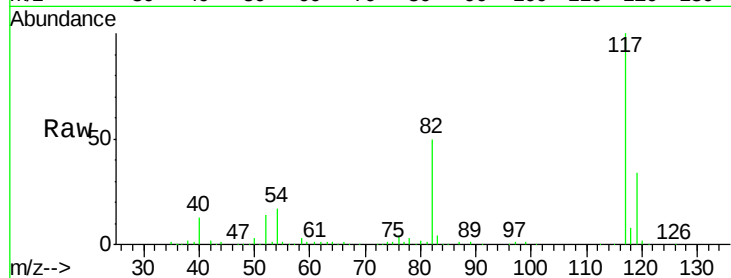




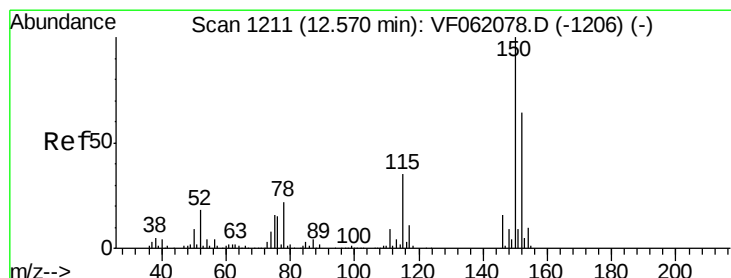
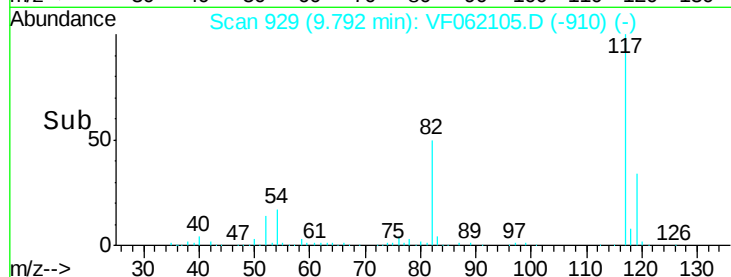
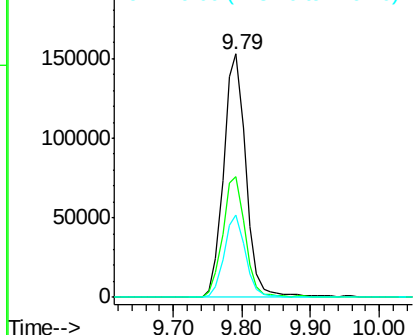
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.02 min
Lab File: VF062105.D
Acq: 23 Mar 2019 4:25

Instrument :
MSVOA_F
ClientSampleId :
S3B(15)

Tot Ion:117 Resp: 344897
Ion Ratio Lower Upper
117 100
82 49.8 39.2 58.8
119 33.8 25.4 38.2

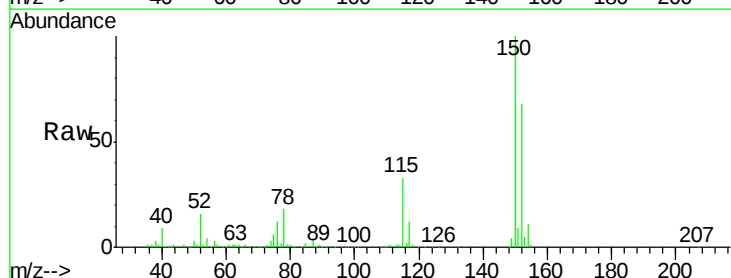


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. -0.01 min
Lab File: VF062105.D
Acq: 23 Mar 2019 4:25

Tgt Ion:152 Resp: 182405
Ion Ratio Lower Upper
152 100
115 48.9 27.7 83.1
150 146.8 0.0 313.2



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

