

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031519\
 Data File : VF061966.D
 Acq On : 15 Mar 2019 17:39
 Operator : VA/AP
 Sample : K1928-09
 Misc : 6.79g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SI-1(1.5-2)

Quant Time: Mar 15 23:18:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	246216	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	424745	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	344412	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	188027	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	104617	58.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.70%	
35) Dibromofluoromethane	4.12	113	152280	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
50) Toluene-d8	7.57	98	400023	45.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.80%	
62) 4-Bromofluorobenzene	11.42	95	174922	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	

Target Compounds

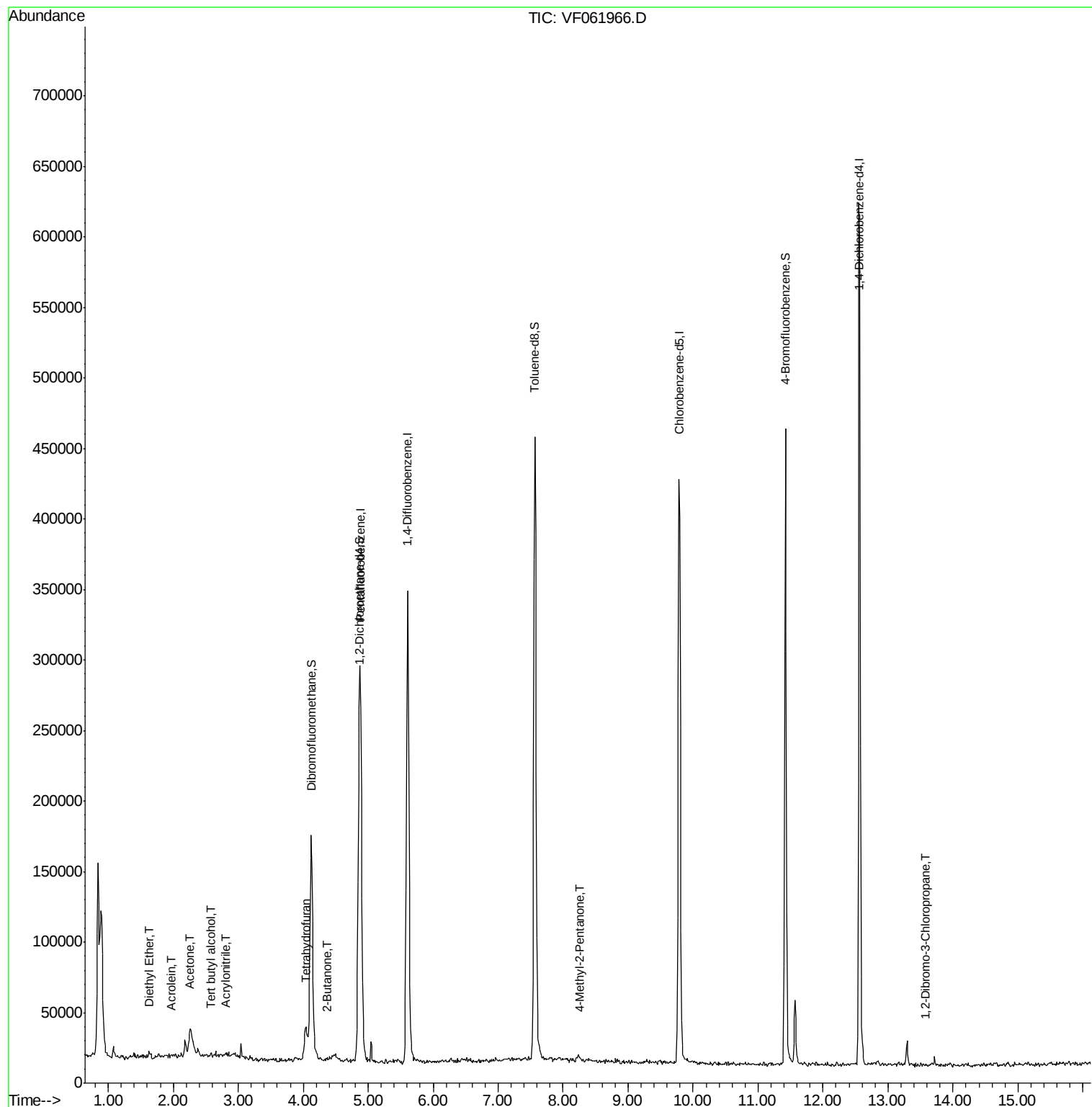
					Qvalue	
8) Diethyl Ether	1.64	74	992	1.284	ug/l	99
11) Tert butyl alcohol	2.59	59	290	2.849	ug/l #	1
13) Acrolein	1.96	56	193	1.497	ug/l	94
15) Acrylonitrile	2.82	53	443	1.367	ug/l	85
16) Acetone	2.24	43	7613	20.269	ug/l	97
18) Methyl Acetate	2.39	43	2361	Below Cal	#	62
20) Methylene Chloride	2.19	84	5521	Below Cal		93
25) 2-Butanone	4.37	43	1574	2.060	ug/l #	67
29) Tetrahydrofuran	4.05	42	608	1.845	ug/l #	42
51) 4-Methyl-2-Pentanone	8.27	43	1857	1.294	ug/l #	50
92) 1,2-Dibromo-3-Chloropropan	13.59	75	88	3.985	ug/l #	1

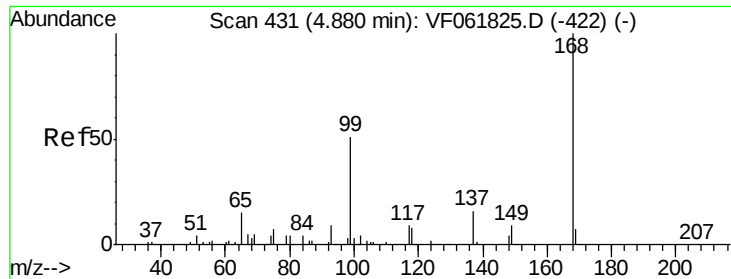
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031519\
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Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.00 min

Lab File: VF061966.D

Acq: 15 Mar 2019 17:39

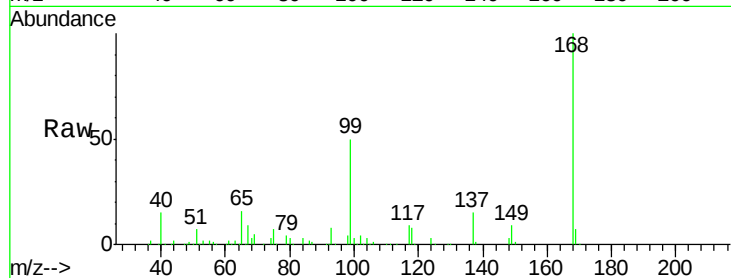
Instrument :
MSVOA_F
ClientSampleId :
SI-1(1.5-2)

Tot Ion:168 Resp: 246216

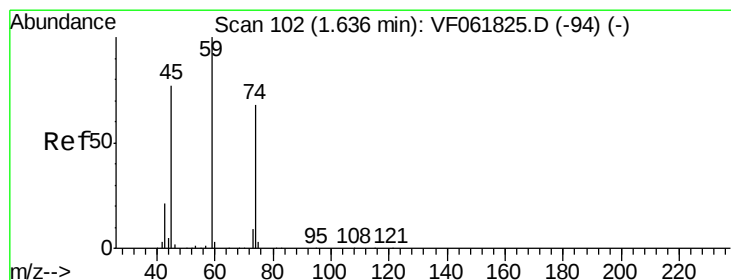
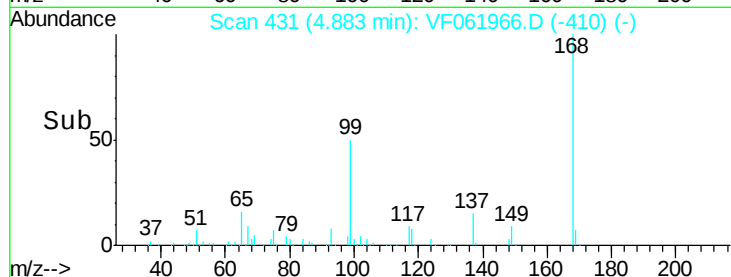
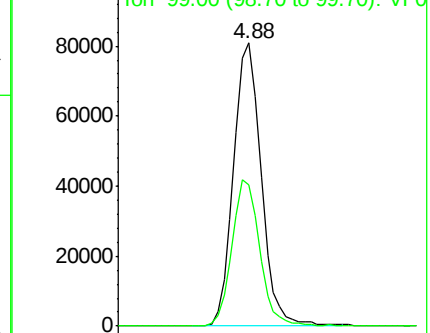
Ion Ratio Lower Upper

168 100

99 50.1 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0



#8

Diethyl Ether

Concen: 1.284 ug/l

RT: 1.64 min Scan# 102

Delta R.T. 0.00 min

Lab File: VF061966.D

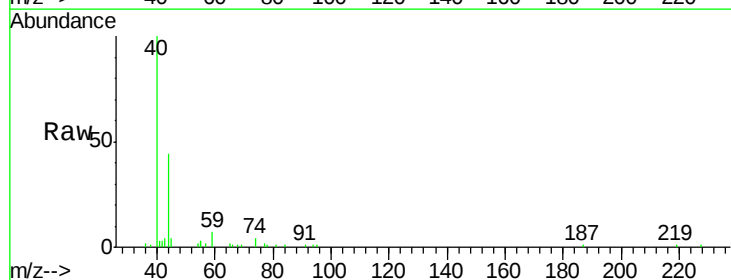
Acq: 15 Mar 2019 17:39

Tgt Ion: 74 Resp: 992

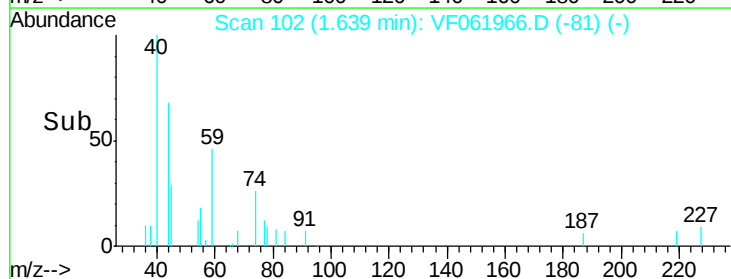
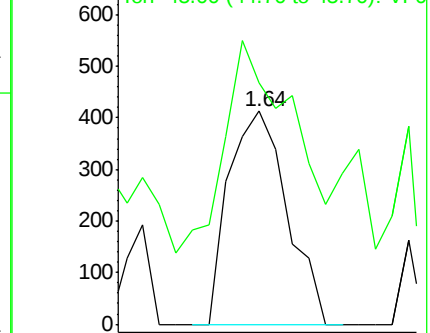
Ion Ratio Lower Upper

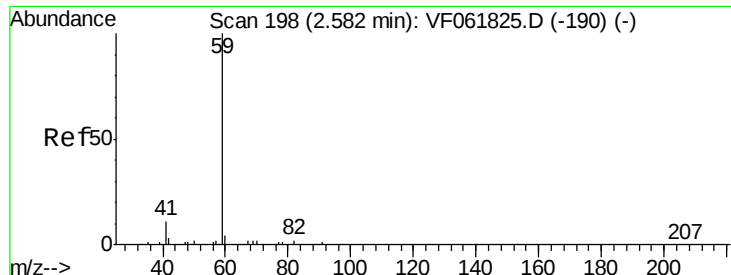
74 100

45 113.6 57.2 171.6



Abundance Ion 74.00 (73.70 to 74.70): VF0

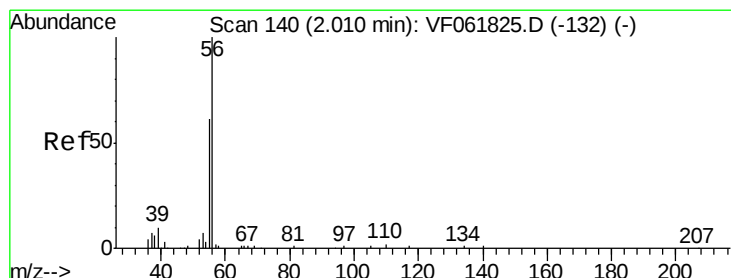
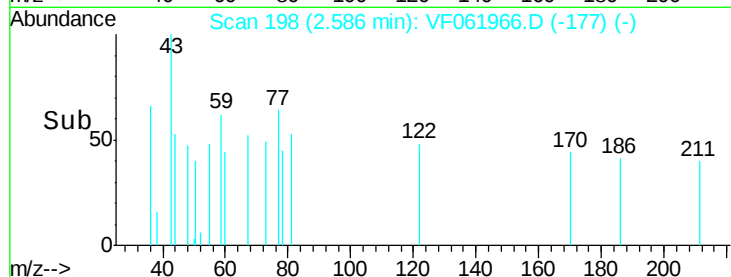
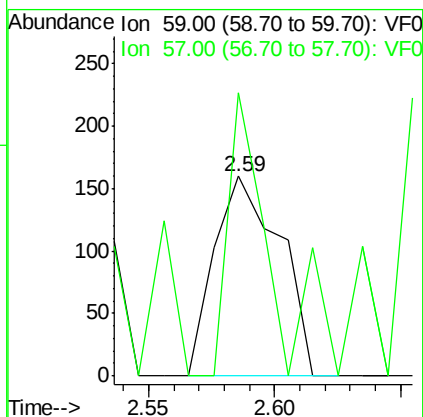
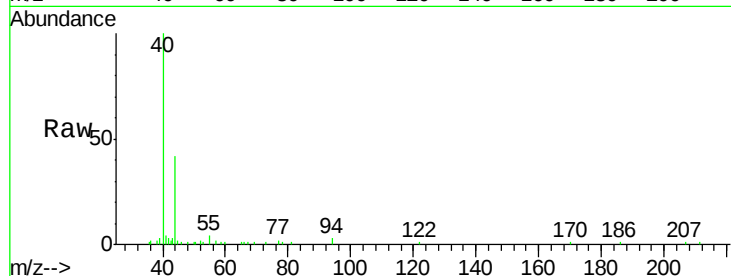




#11
Tert butyl alcohol
Concen: 2.849 ug/l
RT: 2.59 min Scan# 198
Delta R.T. 0.00 min
Lab File: VF061966.D
Acq: 15 Mar 2019 17:39

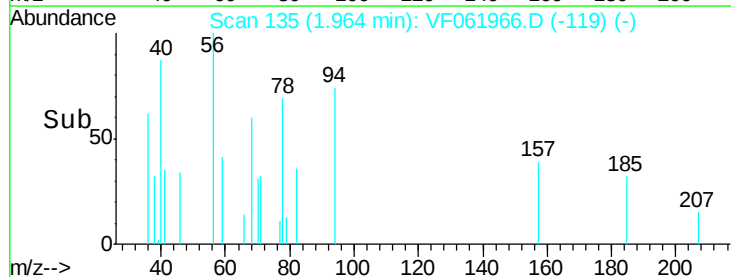
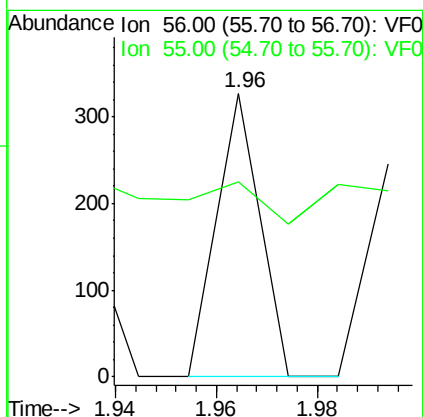
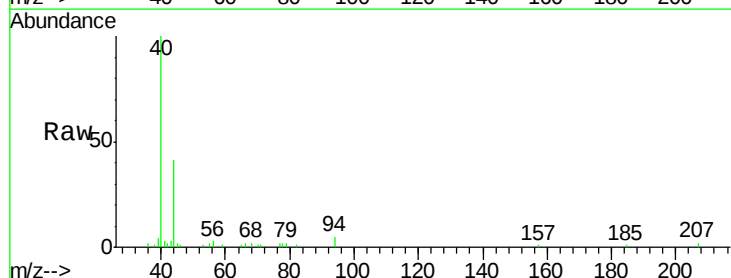
Instrument :
MSVOA_F
ClientSampleId :
SI-1(1.5-2)

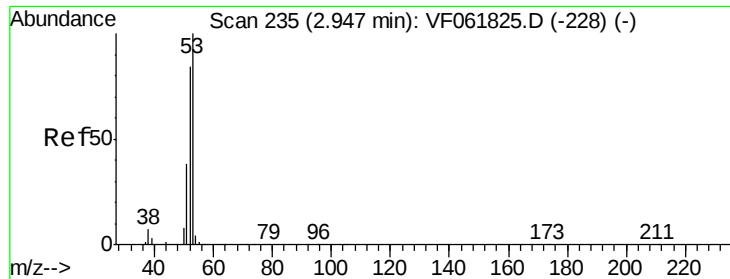
Tot Ion: 59 Resp: 290
Ion Ratio Lower Upper
59 100
57 141.9 11.8 17.6#



#13
Acrolein
Concen: 1.497 ug/l
RT: 1.96 min Scan# 135
Delta R.T. -0.05 min
Lab File: VF061966.D
Acq: 15 Mar 2019 17:39

Tgt Ion: 56 Resp: 193
Ion Ratio Lower Upper
56 100
55 68.8 51.3 76.9





#15

Acrylonitrile

Concen: 1.367 ug/l

RT: 2.82 min Scan# 222

Delta R.T. -0.12 min

Lab File: VF061966.D

Acq: 15 Mar 2019 17:39

Instrument :

MSVOA_F

ClientSampleId :

SI-1(1.5-2)

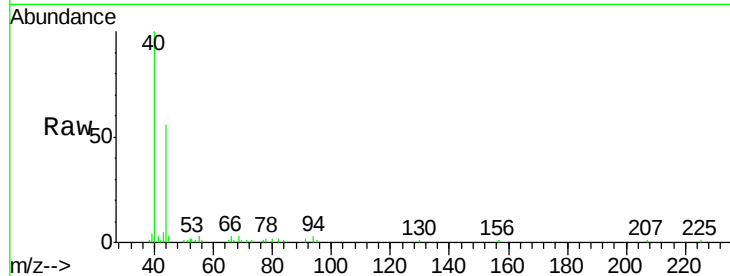
Tot Ion: 53 Resp: 443

Ion Ratio Lower Upper

53 100

52 68.8 67.4 101.0

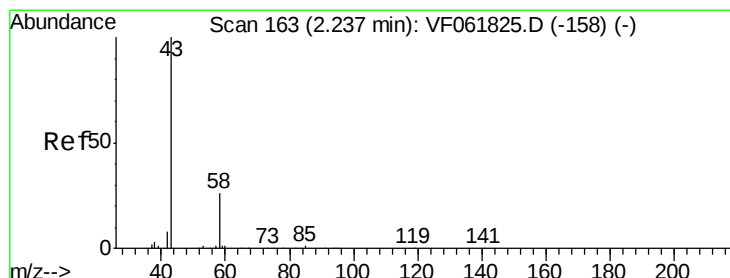
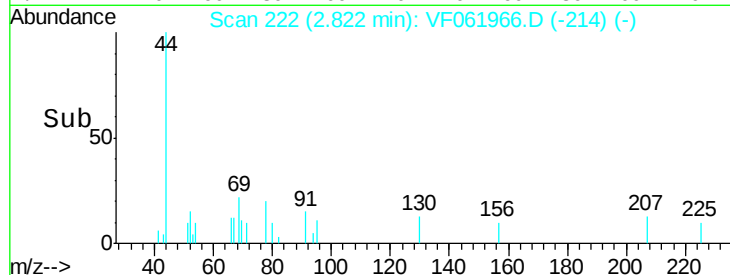
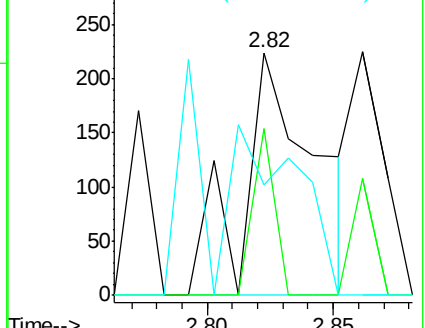
51 45.5 30.7 46.1



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 20.269 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.00 min

Lab File: VF061966.D

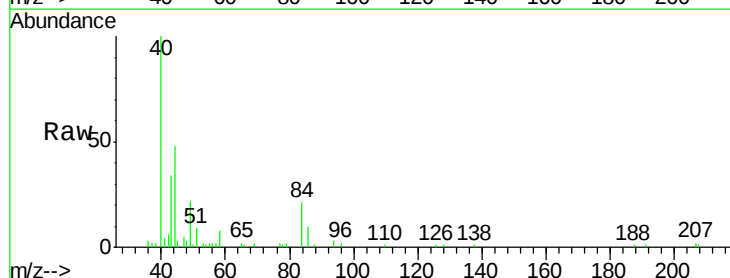
Acq: 15 Mar 2019 17:39

Tgt Ion: 43 Resp: 7613

Ion Ratio Lower Upper

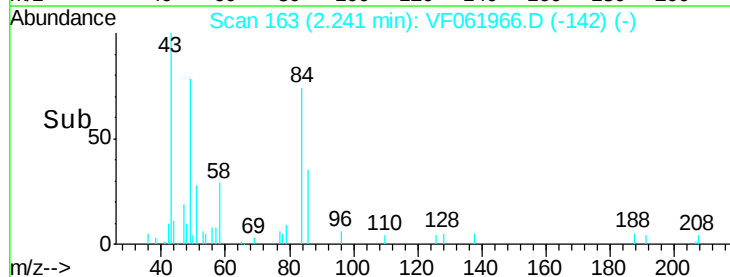
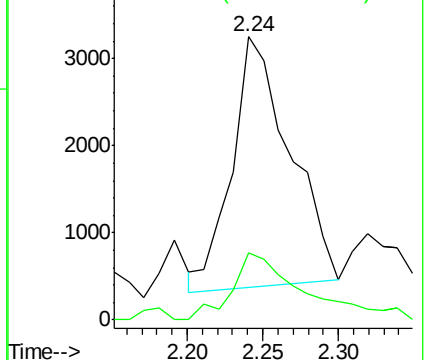
43 100

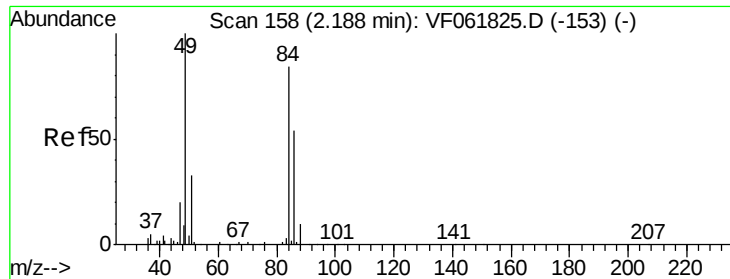
58 23.8 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

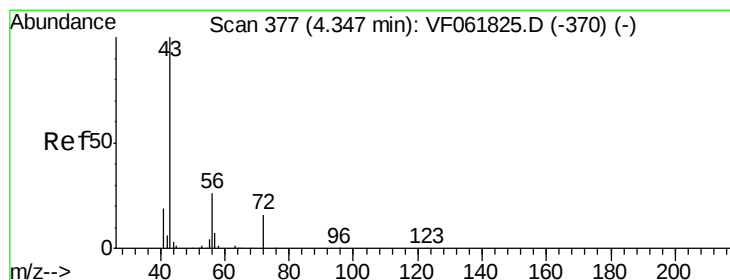
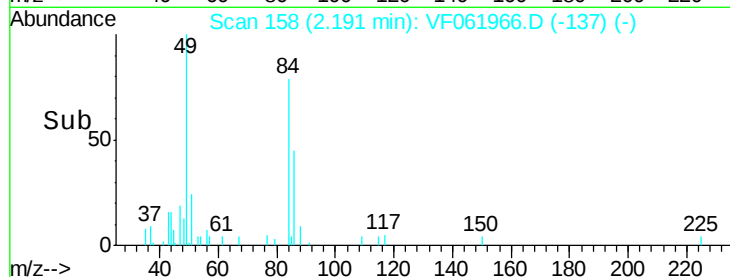
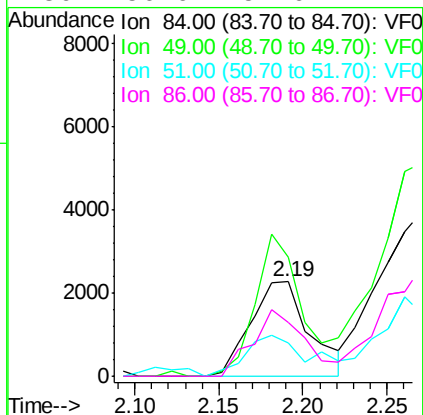
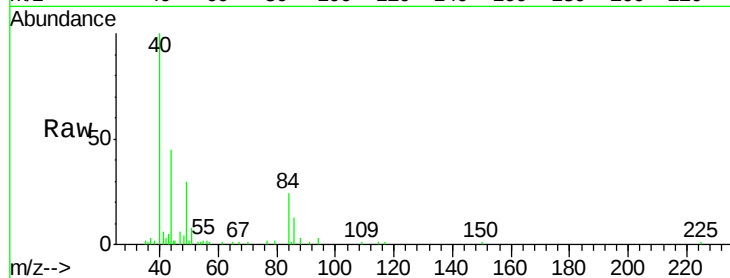




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.19 min Scan# 158
Delta R.T. 0.00 min
Lab File: VF061966.D
Acq: 15 Mar 2019 17:39

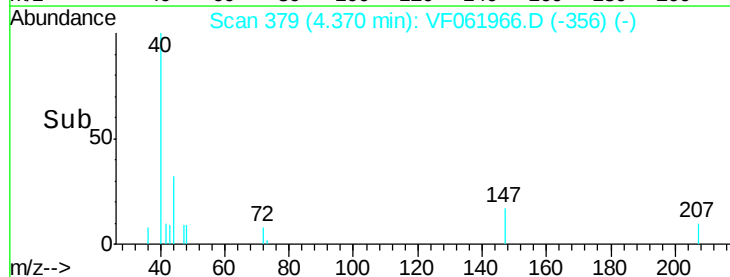
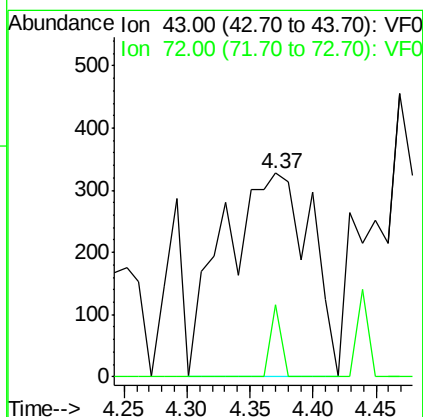
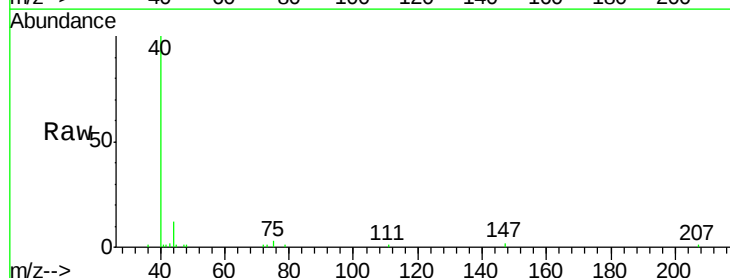
Instrument :
MSVOA_F
ClientSampleId :
SI-1(1.5-2)

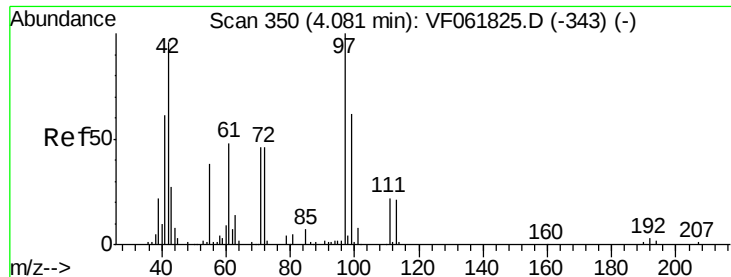
Tot Ion: 84 Resp: 5521
Ion Ratio Lower Upper
84 100
49 126.4 96.8 145.2
51 35.2 31.8 47.6
86 56.6 51.6 77.4



#25
2-Butanone
Concen: 2.060 ug/l
RT: 4.37 min Scan# 379
Delta R.T. 0.02 min
Lab File: VF061966.D
Acq: 15 Mar 2019 17:39

Tgt Ion: 43 Resp: 1574
Ion Ratio Lower Upper
43 100
72 35.5 16.2 24.4#





#29

Tetrahydrofuran

Concen: 1.845 ug/l

RT: 4.05 min Scan# 347

Delta R.T. -0.03 min

Lab File: VF061966.D

Acq: 15 Mar 2019 17:39

Instrument :

MSVOA_F

ClientSampleId :

SI-1(1.5-2)

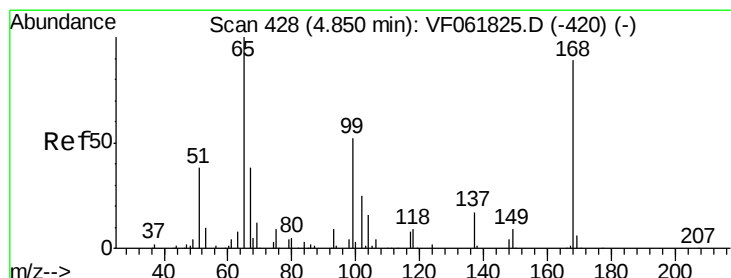
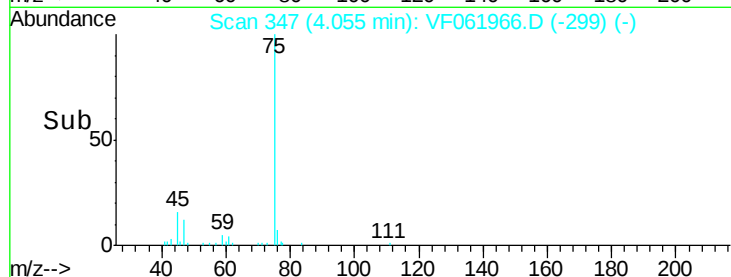
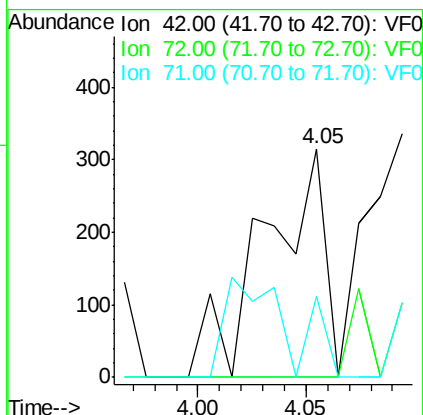
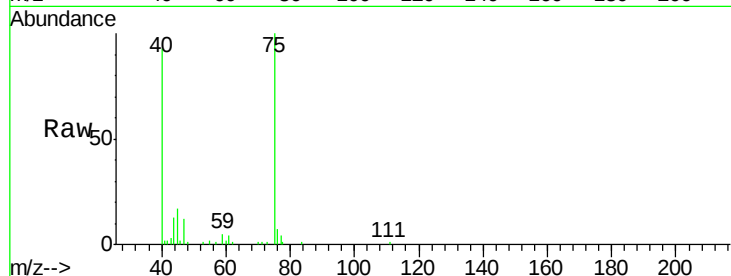
Tot Ion: 42 Resp: 608

Ion Ratio Lower Upper

42 100

72 11.8 34.4 51.6#

71 0.0 34.6 52.0#



#33

1,2-Dichloroethane-d4

Concen: 58.346 ug/l

RT: 4.85 min Scan# 428

Delta R.T. 0.00 min

Lab File: VF061966.D

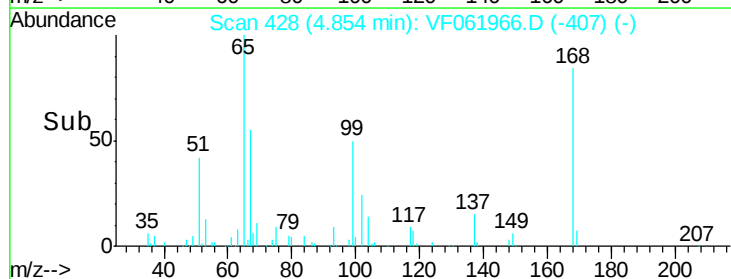
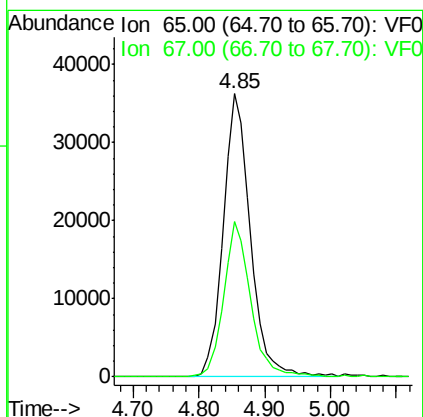
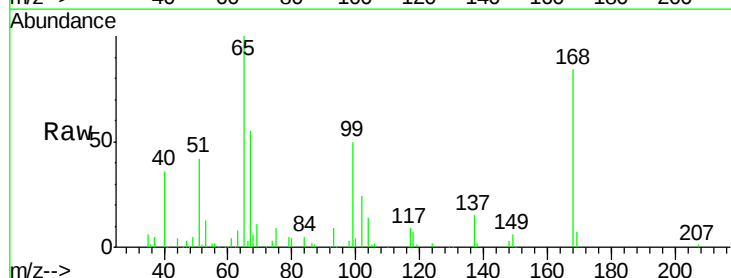
Acq: 15 Mar 2019 17:39

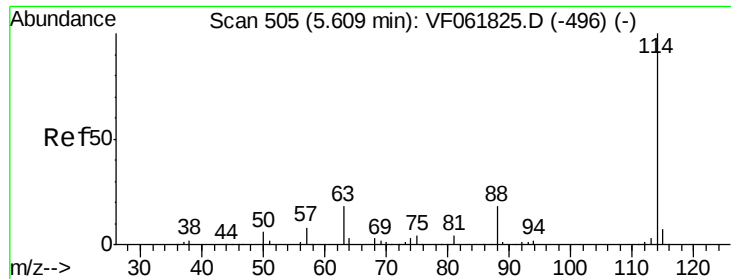
Tgt Ion: 65 Resp: 104617

Ion Ratio Lower Upper

65 100

67 55.1 0.0 108.6

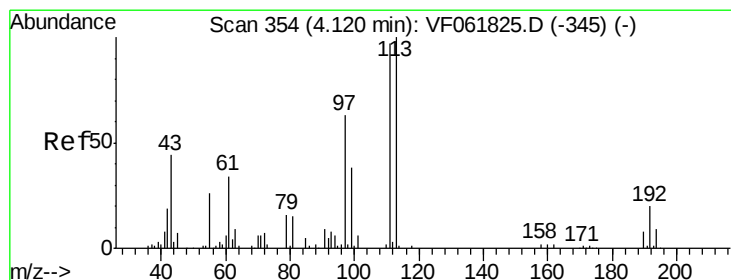
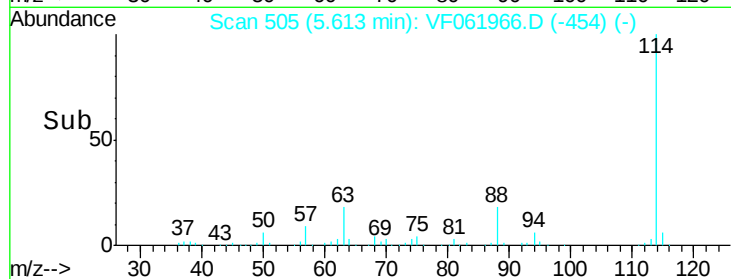
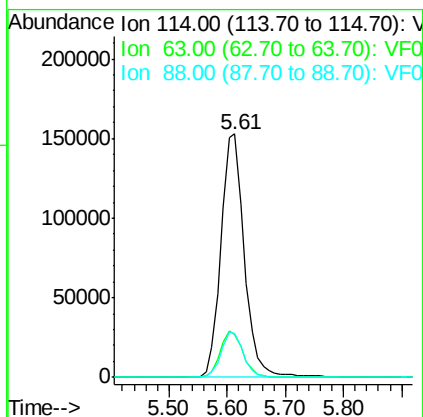
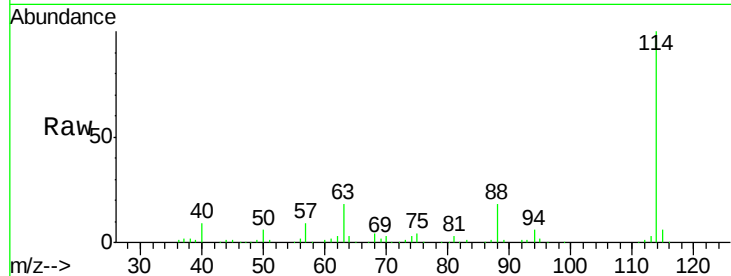




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. 0.00 min
 Lab File: VF061966.D
 Acq: 15 Mar 2019 17:39

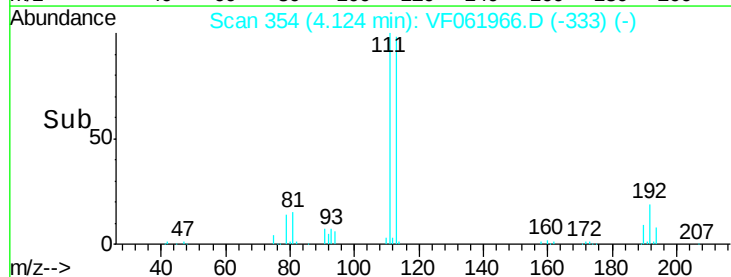
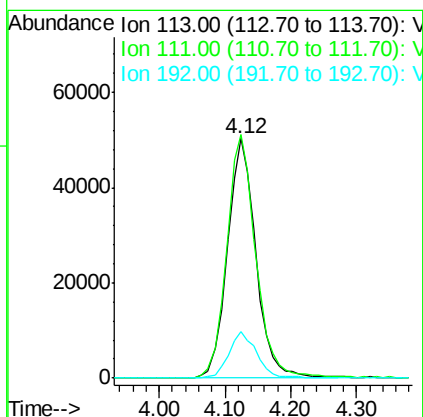
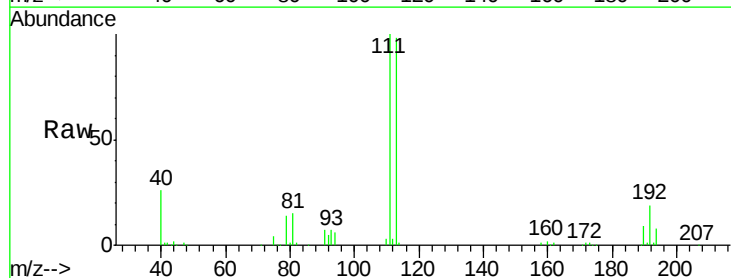
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 SI-1(1.5-2)

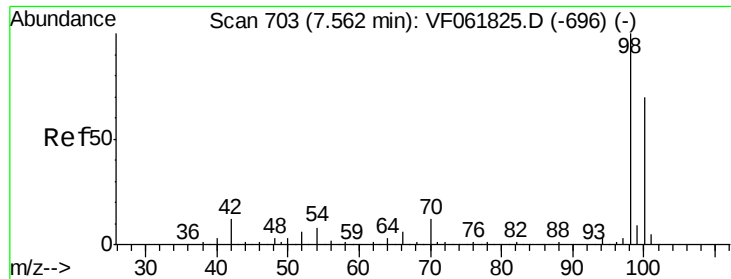
Tot Ion:114 Resp: 424745
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 35.6
 88 18.3 0.0 35.6



#35
 Dibromofluoromethane
 Concen: 51.374 ug/l
 RT: 4.12 min Scan# 354
 Delta R.T. 0.00 min
 Lab File: VF061966.D
 Acq: 15 Mar 2019 17:39

Tgt Ion:113 Resp: 152280
 Ion Ratio Lower Upper
 113 100
 111 101.8 77.6 116.4
 192 20.1 15.9 23.9

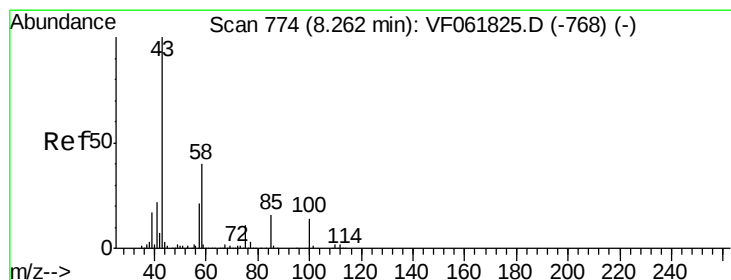
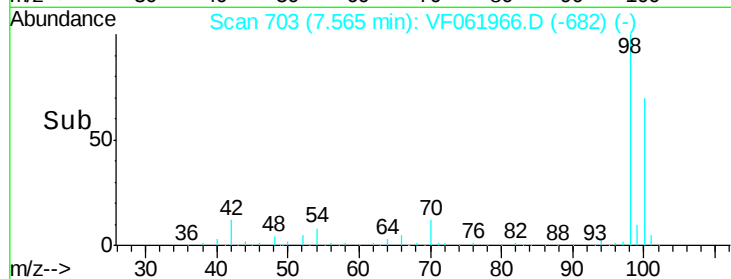
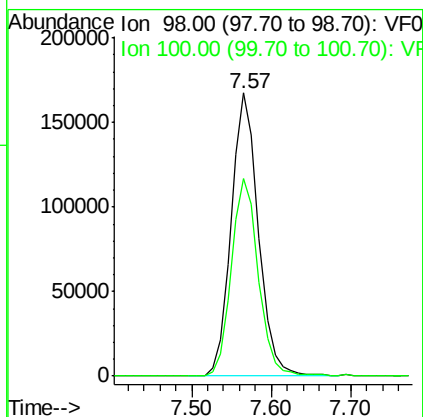
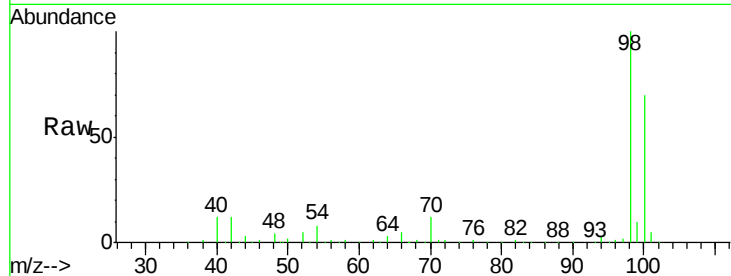




#50
Toluene-d8
Concen: 45.404 ug/l
RT: 7.57 min Scan# 703
Delta R.T. 0.00 min
Lab File: VF061966.D
Acq: 15 Mar 2019 17:39

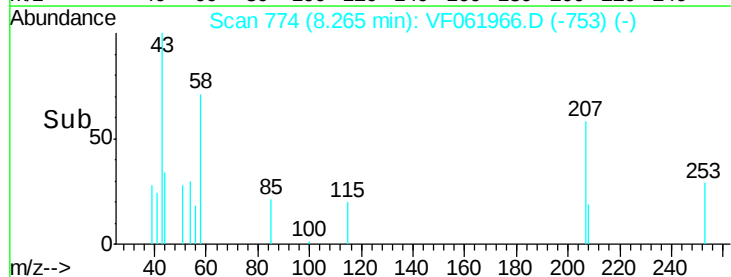
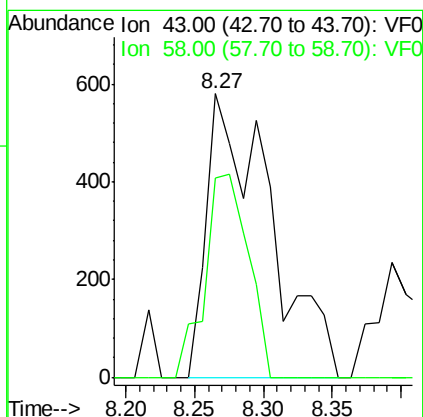
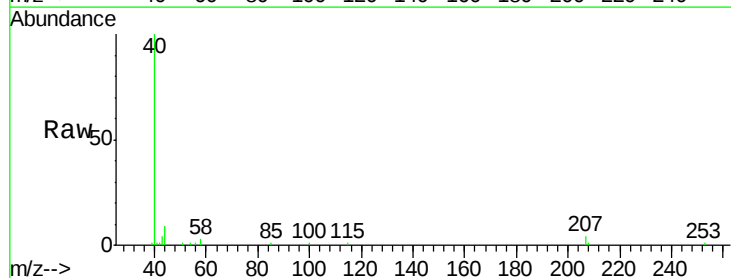
Instrument :
MSVOA_F
ClientSampleId :
SI-1(1.5-2)

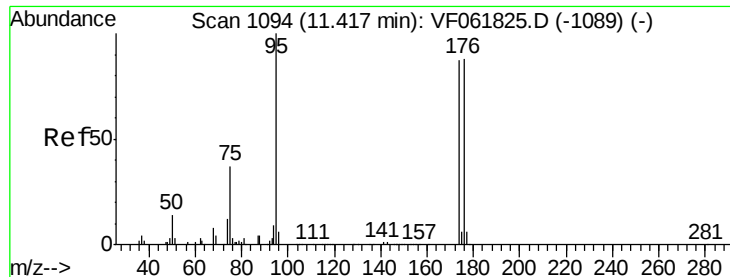
Tot Ion: 98 Resp: 400023
Ion Ratio Lower Upper
98 100
100 69.7 56.0 84.0



#51
4-Methyl-2-Pentanone
Concen: 1.294 ug/l
RT: 8.27 min Scan# 774
Delta R.T. 0.00 min
Lab File: VF061966.D
Acq: 15 Mar 2019 17:39

Tgt Ion: 43 Resp: 1857
Ion Ratio Lower Upper
43 100
58 70.5 31.8 47.8#





#62

4-Bromofluorobenzene

Concen: 50.684 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF061966.D

Acq: 15 Mar 2019 17:39

Instrument :

MSVOA_F

ClientSampleId :

SI-1(1.5-2)

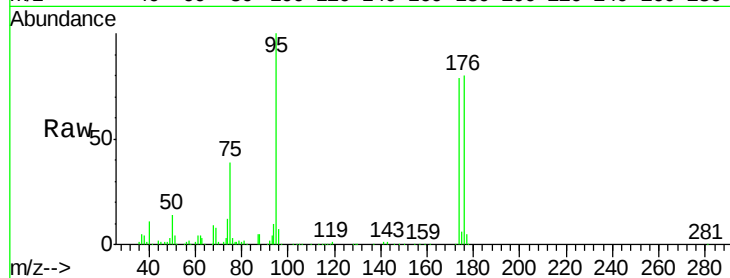
Tot Ion: 95 Resp: 174922

Ion Ratio Lower Upper

95 100

174 79.4 0.0 174.0

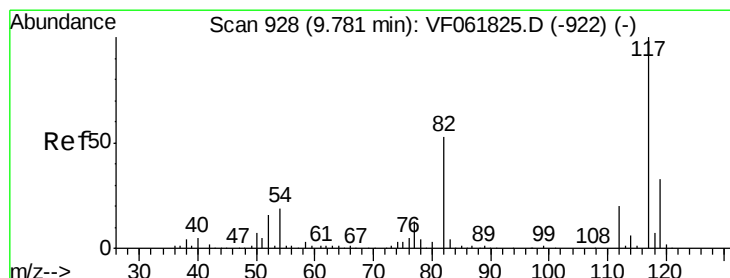
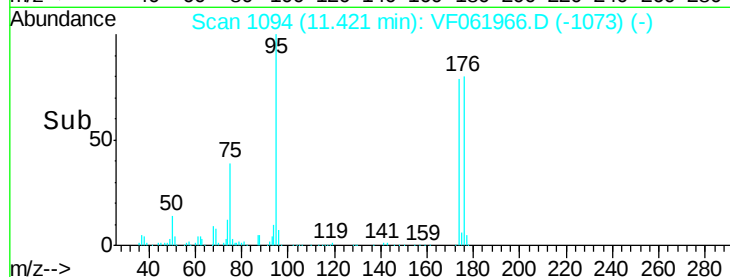
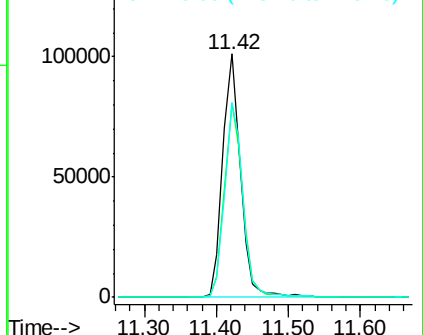
176 80.1 0.0 175.2



Abundance Ion 95.00 (94.70 to 95.70): VF061825.D (-1089) (-)

Ion 174.00 (173.70 to 174.70): VF061825.D (-1089) (-)

Ion 176.00 (175.70 to 176.70): VF061825.D (-1089) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.78 min Scan# 928

Delta R.T. 0.00 min

Lab File: VF061966.D

Acq: 15 Mar 2019 17:39

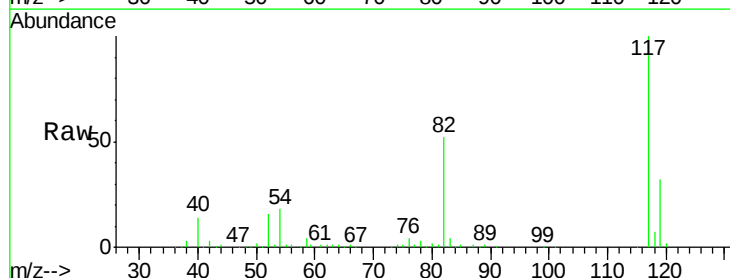
Tgt Ion: 117 Resp: 344412

Ion Ratio Lower Upper

117 100

82 51.7 42.6 63.8

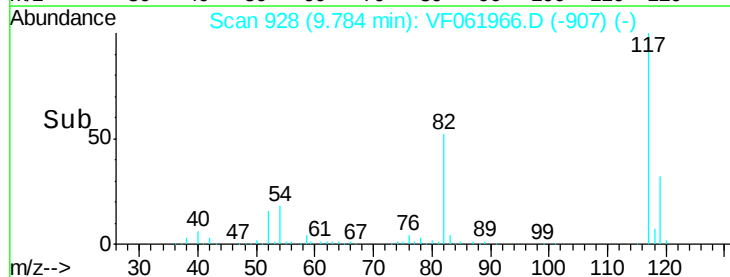
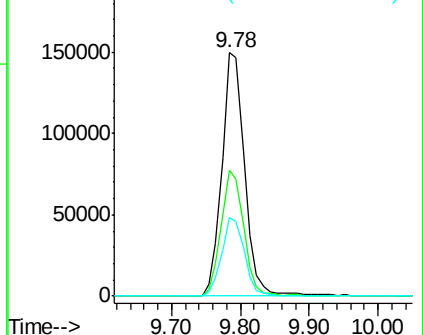
119 32.2 26.0 39.0

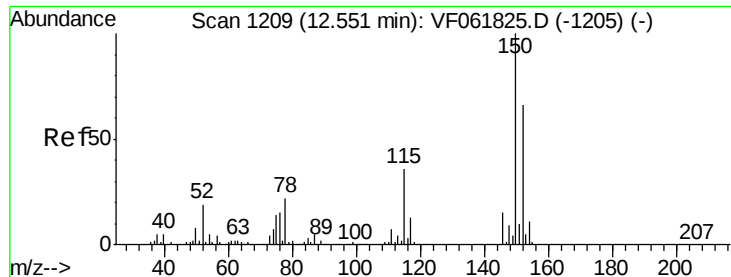


Abundance Ion 117.00 (116.70 to 117.70): VF061825.D (-922) (-)

Ion 82.00 (81.70 to 82.70): VF061825.D (-922) (-)

Ion 119.00 (118.70 to 119.70): VF061825.D (-922) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. 0.01 min

Lab File: VF061966.D

Acq: 15 Mar 2019 17:39

Instrument :

MSVOA_F

ClientSampleId :

SI-1(1.5-2)

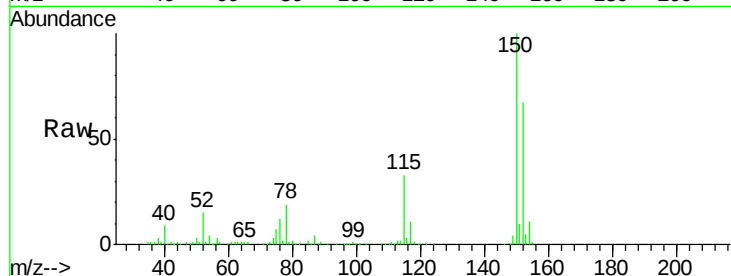
Tot Ion:152 Resp: 188027

Ion Ratio Lower Upper

152 100

115 49.7 27.7 83.1

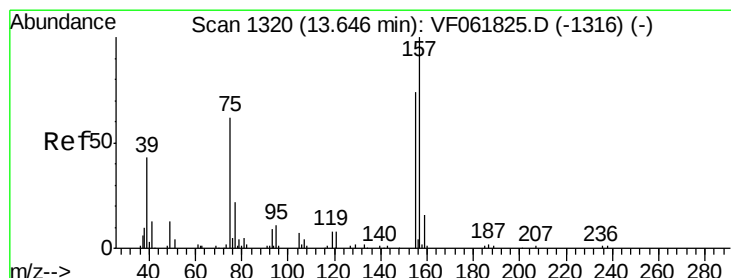
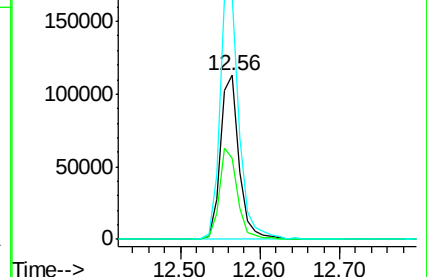
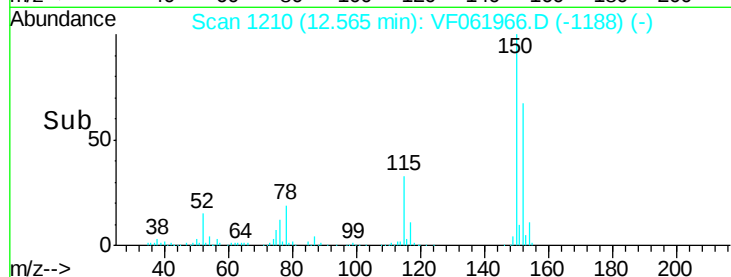
150 148.8 0.0 304.2



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.985 ug/l

RT: 13.59 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VF061966.D

Acq: 15 Mar 2019 17:39

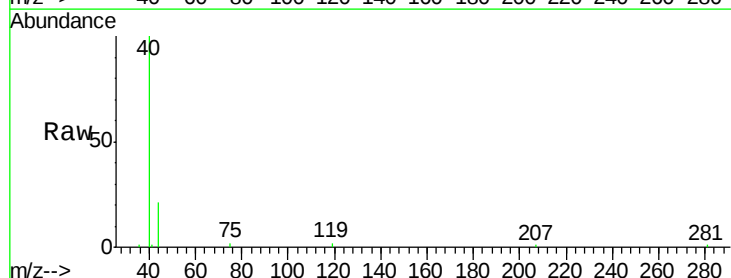
Tgt Ion: 75 Resp: 88

Ion Ratio Lower Upper

75 100

155 0.0 59.8 179.4#

157 0.0 81.2 243.4#



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

