

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031519\
 Data File : VF061964.D
 Acq On : 15 Mar 2019 16:41
 Operator : VA/AP
 Sample : K1928-07
 Misc : 6.68g/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 A1-2-H2(2.5-3)

Quant Time: Mar 15 23:17:38 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	4.87	168	234603	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	401366	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	330381	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	190317	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	107482	62.91	ug/l	0.00
Spiked Amount			Recovery	=	125.82%	
35) Dibromofluoromethane	4.11	113	141636	50.57	ug/l	0.00
Spiked Amount			Recovery	=	101.14%	
50) Toluene-d8	7.56	98	380456	45.70	ug/l	0.00
Spiked Amount			Recovery	=	91.40%	
62) 4-Bromofluorobenzene	11.42	95	165615	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	

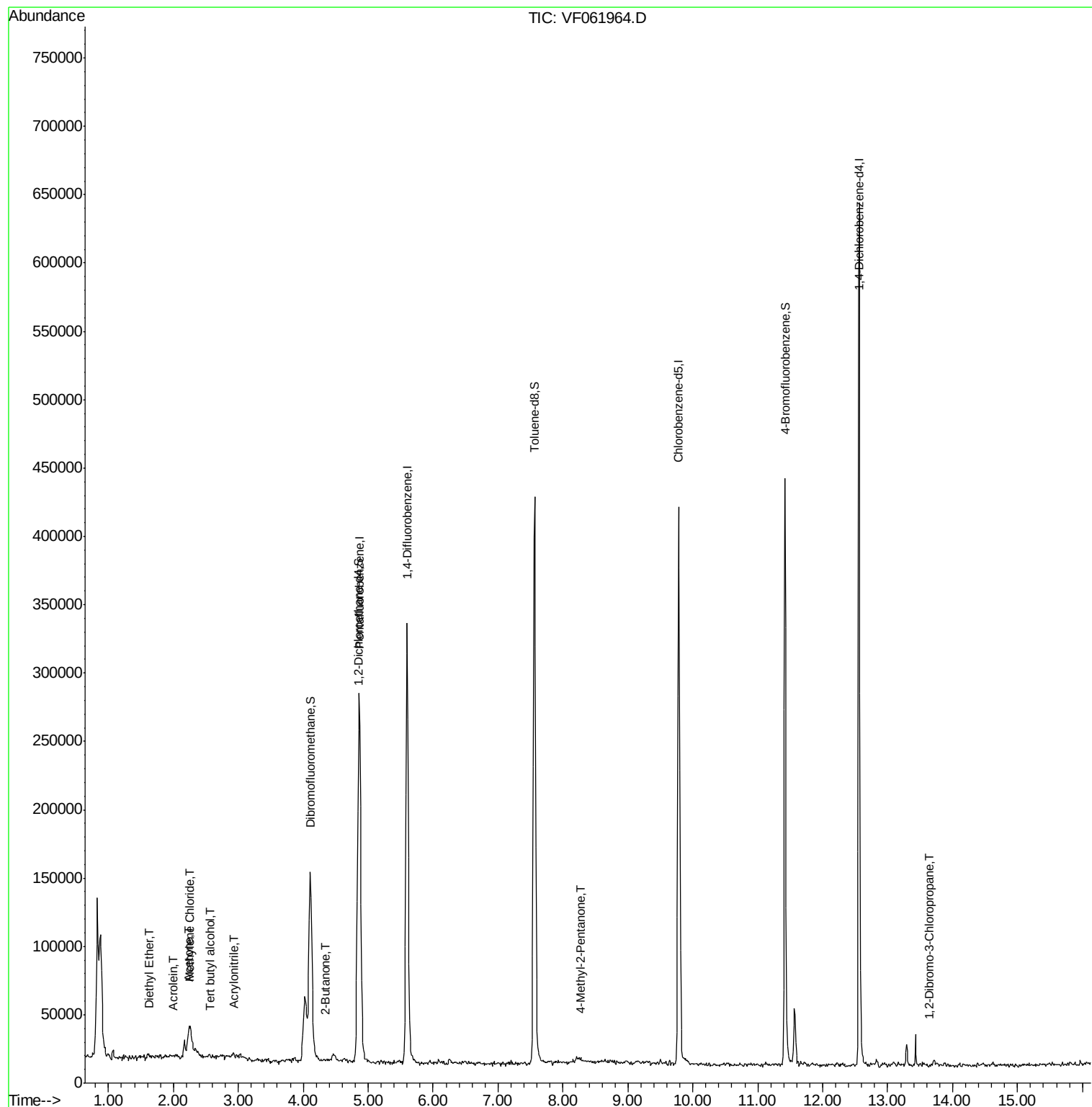
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.62	74	1197	1.626	ug/l	75
11) Tert butyl alcohol	2.55	59	241	2.485	ug/l #	1
13) Acrolein	2.00	56	675	5.493	ug/l	100
15) Acrylonitrile	2.94	53	858	2.779	ug/l #	20
16) Acetone	2.24	43	16335	45.644	ug/l #	88
18) Methyl Acetate	2.34	43	4292	Below Cal	#	88
20) Methylene Chloride	2.26	84	15571	2.868	ug/l	92
25) 2-Butanone	4.34	43	1415	1.944	ug/l	92
51) 4-Methyl-2-Pentanone	8.27	43	3695	2.725	ug/l	91
92) 1,2-Dibromo-3-Chloropropan	13.66	75	69	3.936	ug/l #	1

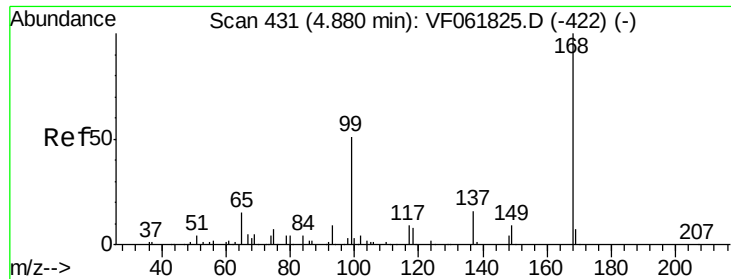
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031519\
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A1-2-H2(2.5-3)

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
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: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF061964.D

Acq: 15 Mar 2019 16:41

Instrument :

MSVOA_F

ClientSampleId :

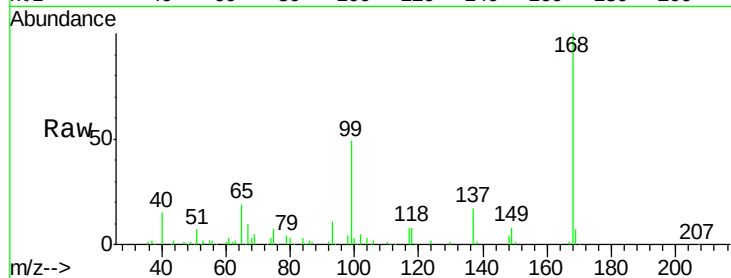
A1-2-H2(2.5-3)

Tot Ion:168 Resp: 234603

Ion Ratio Lower Upper

168 100

99 49.4 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

80000

60000

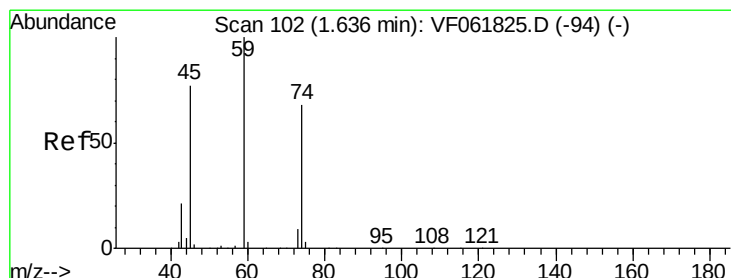
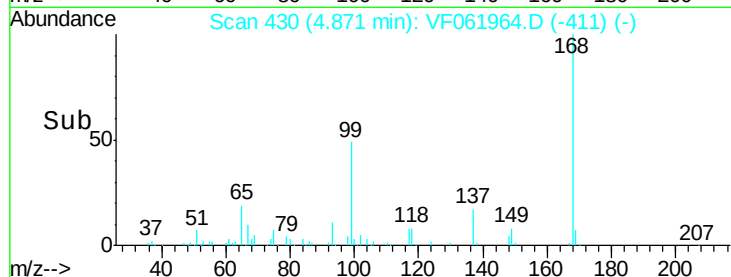
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#8

Diethyl Ether

Concen: 1.626 ug/l

RT: 1.62 min Scan# 100

Delta R.T. -0.02 min

Lab File: VF061964.D

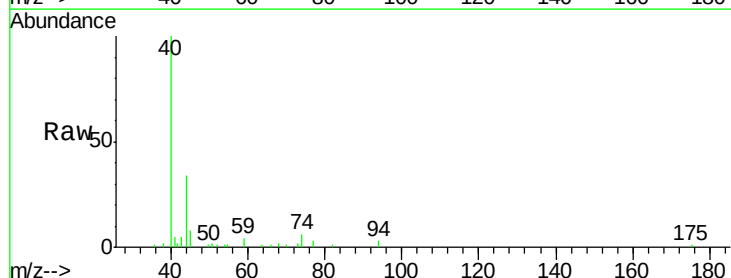
Acq: 15 Mar 2019 16:41

Tgt Ion: 74 Resp: 1197

Ion Ratio Lower Upper

74 100

45 141.0 57.2 171.6



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1.62

1000

800

600

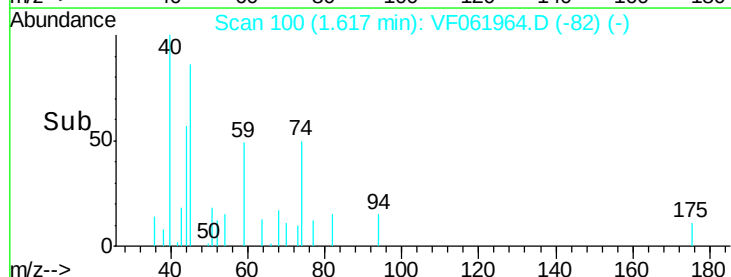
400

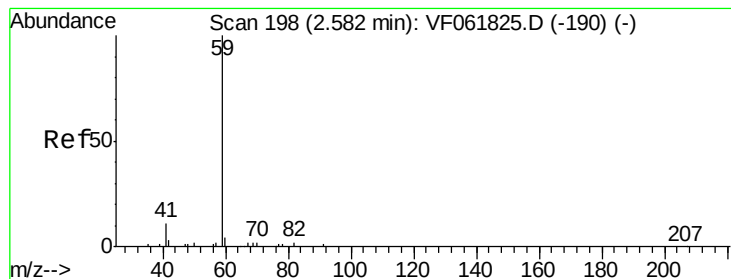
200

0

Time-->

1.55 1.60 1.65 1.70



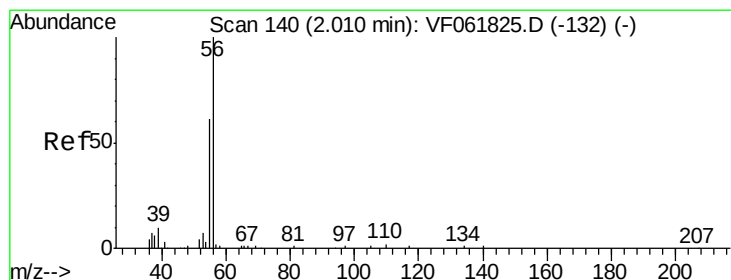
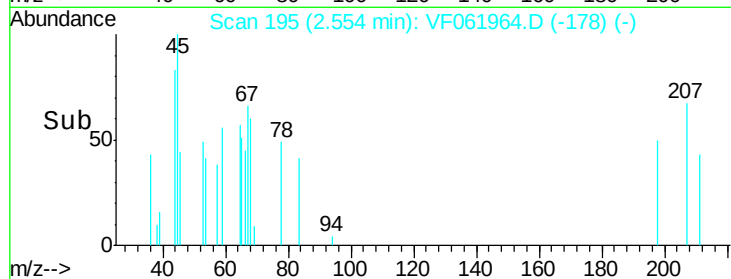
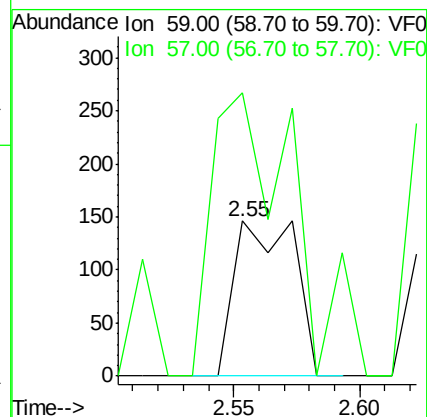
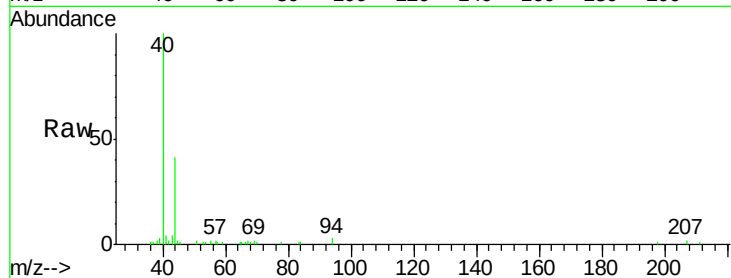


#11

Tert butyl alcohol
Concen: 2.485 ug/l
RT: 2.55 min Scan# 195
Delta R.T. -0.03 min
Lab File: VF061964.D
Acq: 15 Mar 2019 16:41

Instrument :
MSVOA_F
ClientSampled :
A1-2-H2(2.5-3)

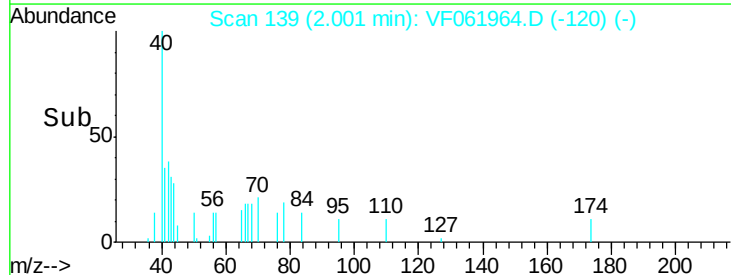
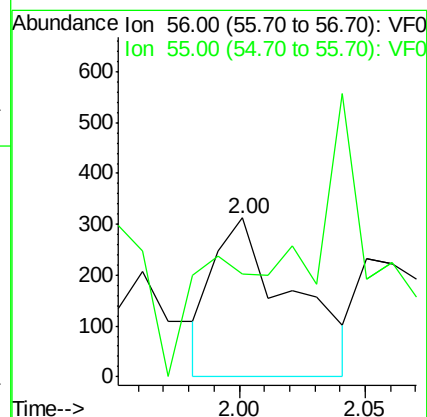
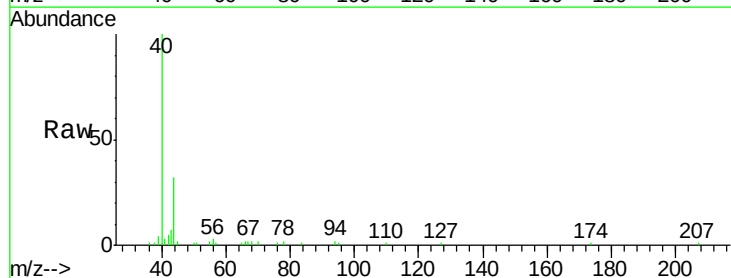
Tot Ion: 59 Resp: 241
Ion Ratio Lower Upper
59 100
57 182.9 11.8 17.6#

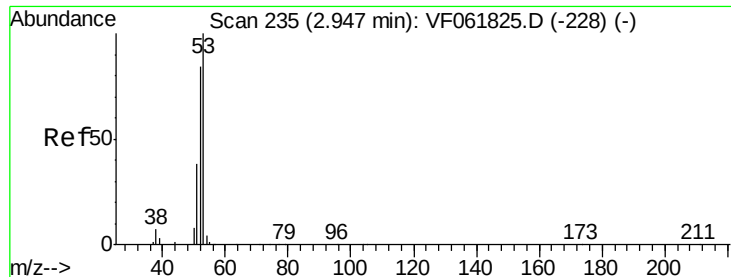


#13

Acrolein
Concen: 5.493 ug/l
RT: 2.00 min Scan# 139
Delta R.T. -0.01 min
Lab File: VF061964.D
Acq: 15 Mar 2019 16:41

Tgt Ion: 56 Resp: 675
Ion Ratio Lower Upper
56 100
55 64.4 51.3 76.9





#15

Acrylonitrile

Concen: 2.779 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.01 min

Lab File: VF061964.D

Acq: 15 Mar 2019 16:41

Instrument :

MSVOA_F

ClientSampleId :

A1-2-H2(2.5-3)

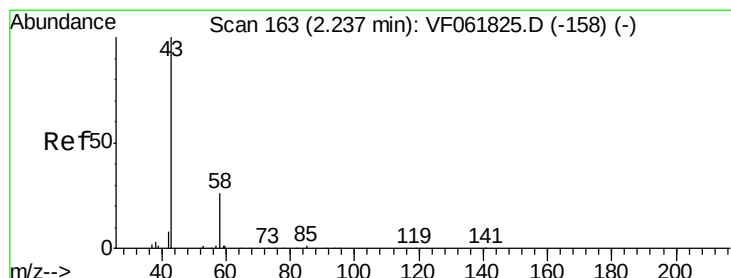
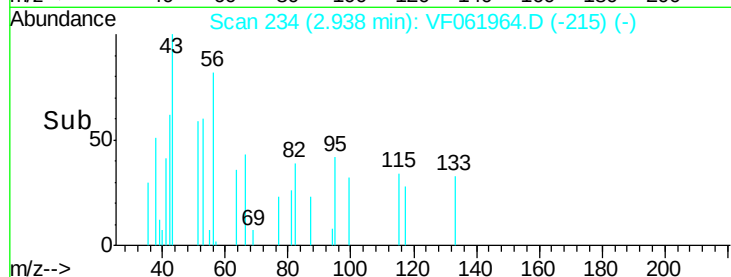
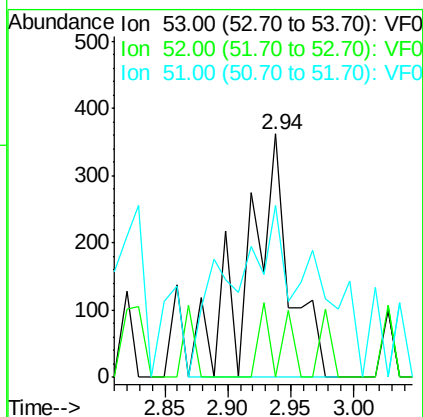
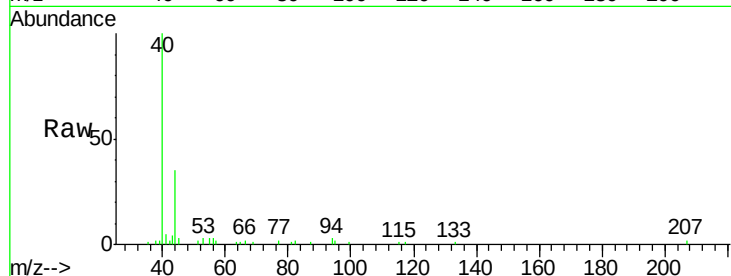
Tot Ion: 53 Resp: 858

Ion Ratio Lower Upper

53 100

52 0.0 67.4 101.0#

51 70.4 30.7 46.1#



#16

Acetone

Concen: 45.644 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.00 min

Lab File: VF061964.D

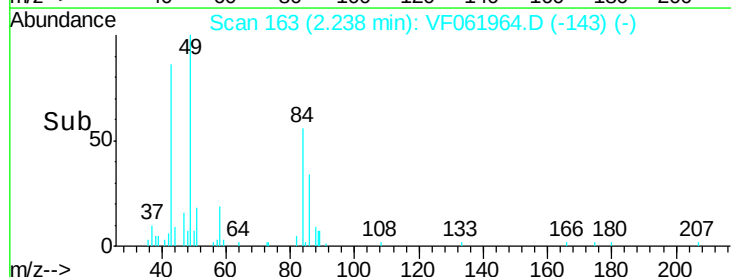
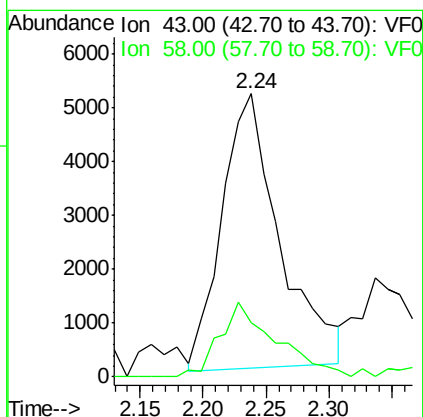
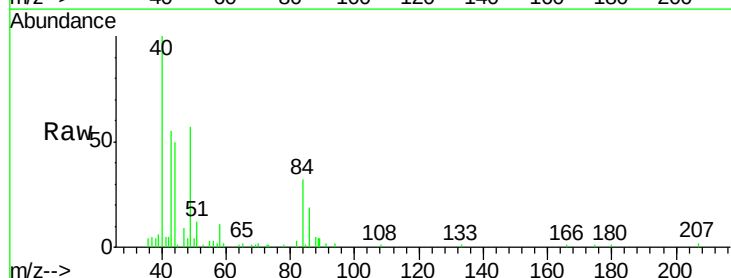
Acq: 15 Mar 2019 16:41

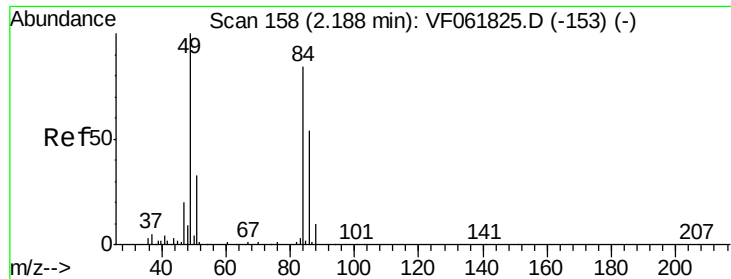
Tgt Ion: 43 Resp: 16335

Ion Ratio Lower Upper

43 100

58 19.2 20.3 30.5#

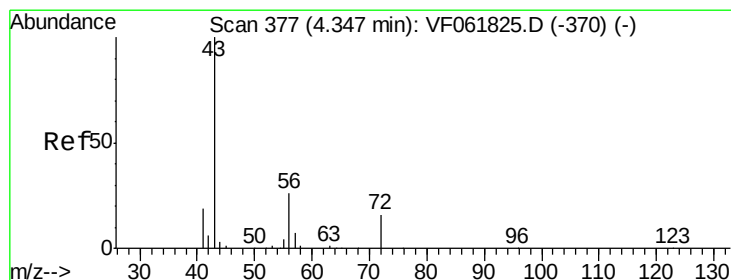
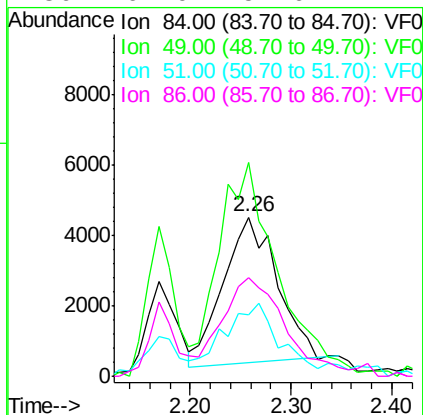
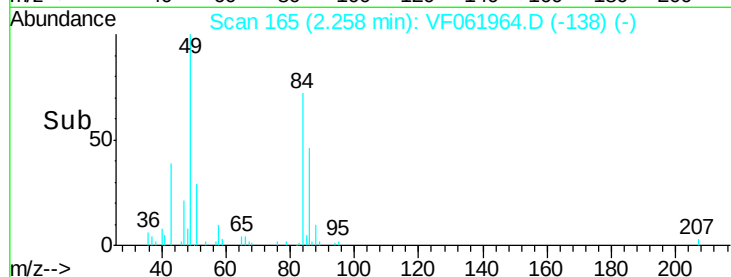
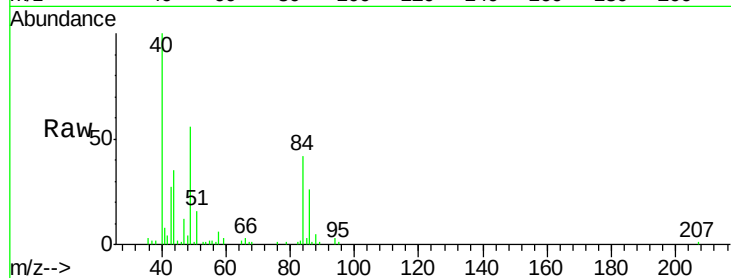




#20
Methylene Chloride
Concen: 2.868 ug/l
RT: 2.26 min Scan# 165
Delta R.T. 0.07 min
Lab File: VF061964.D
Acq: 15 Mar 2019 16:41

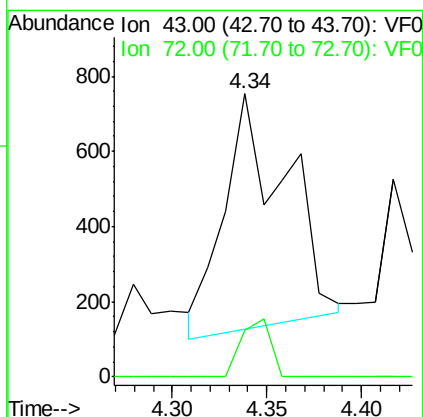
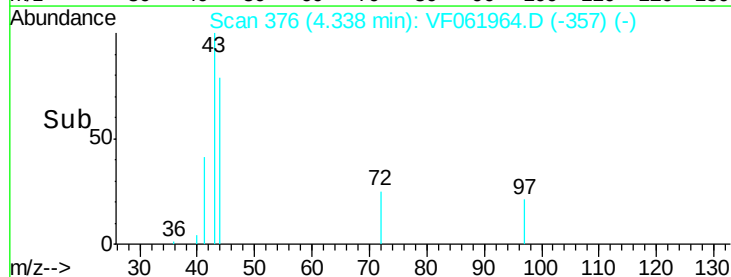
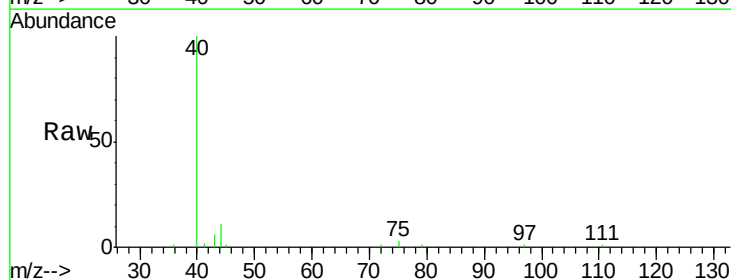
Instrument :
MSVOA_F
ClientSampleId :
A1-2-H2(2.5-3)

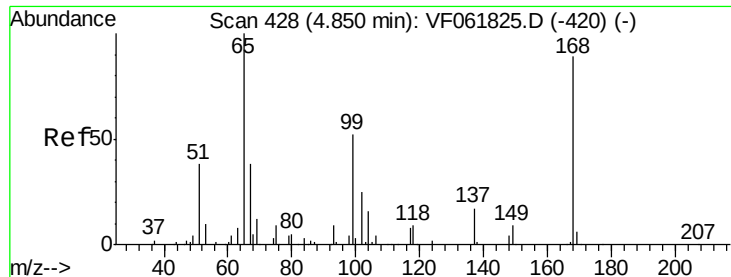
Tot Ion: 84 Resp: 15571
Ion Ratio Lower Upper
84 100
49 134.4 96.8 145.2
51 38.7 31.8 47.6
86 62.0 51.6 77.4



#25
2-Butanone
Concen: 1.944 ug/l
RT: 4.34 min Scan# 376
Delta R.T. -0.01 min
Lab File: VF061964.D
Acq: 15 Mar 2019 16:41

Tgt Ion: 43 Resp: 1415
Ion Ratio Lower Upper
43 100
72 16.6 16.2 24.4

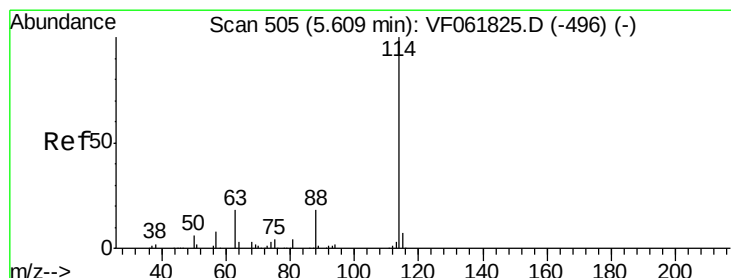
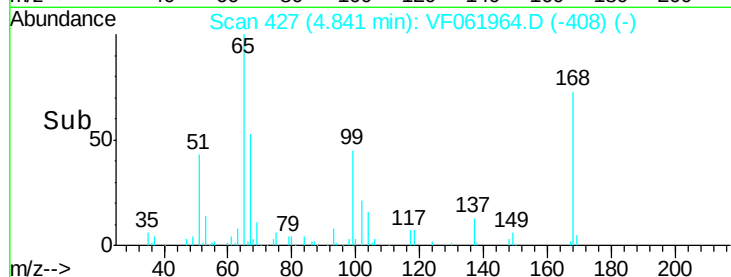
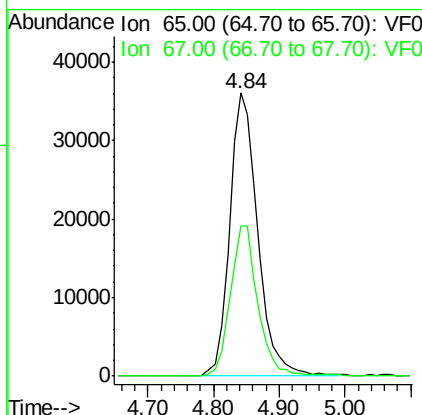
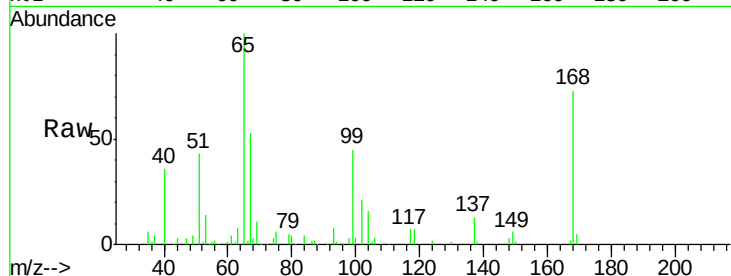




#33
 1,2-Dichloroethane-d4
 Concen: 62.911 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.01 min
 Lab File: VF061964.D
 Acq: 15 Mar 2019 16:41

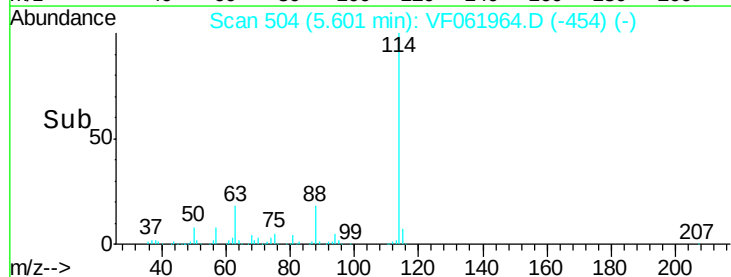
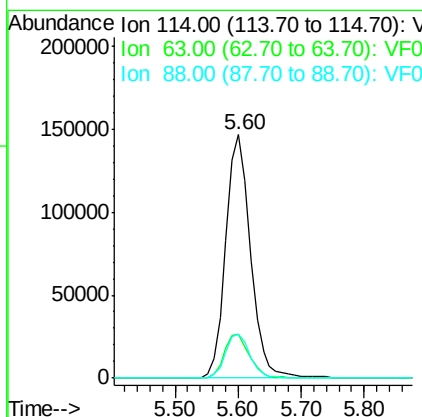
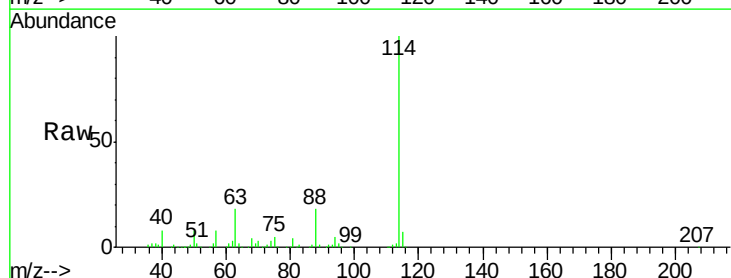
Instrument :
 MSVOA_F
 ClientSampleId :
 A1-2-H2(2.5-3)

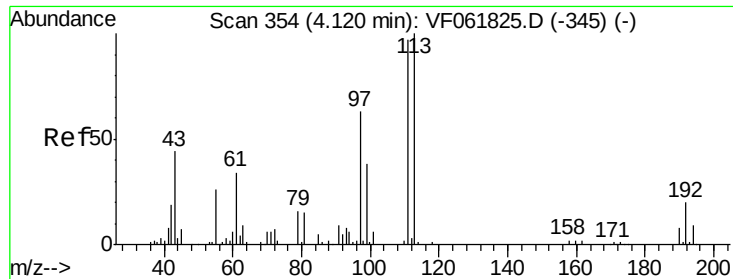
Tot Ion: 65 Resp: 107482
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.01 min
 Lab File: VF061964.D
 Acq: 15 Mar 2019 16:41

Tgt Ion: 114 Resp: 401366
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 35.6
 88 17.9 0.0 35.6

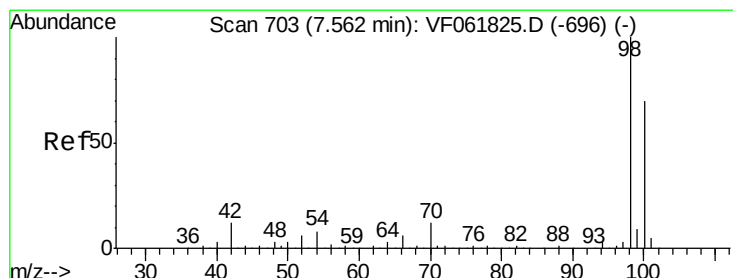
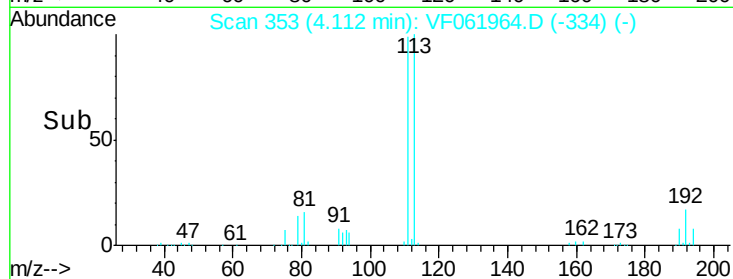
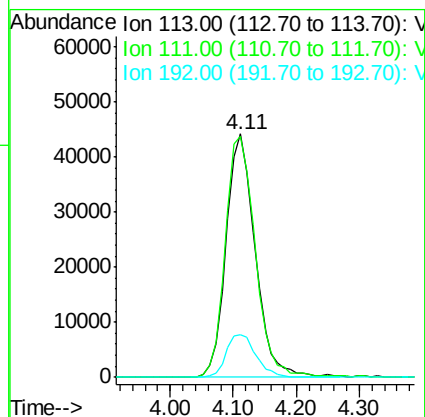
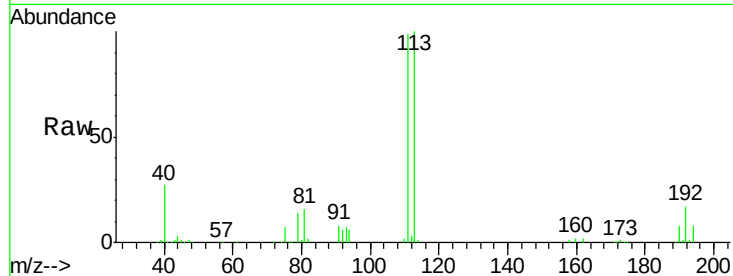




#35
Dibromofluoromethane
Concen: 50.566 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.01 min
Lab File: VF061964.D
Acq: 15 Mar 2019 16:41

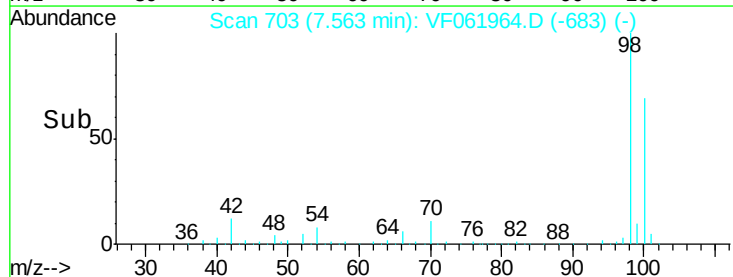
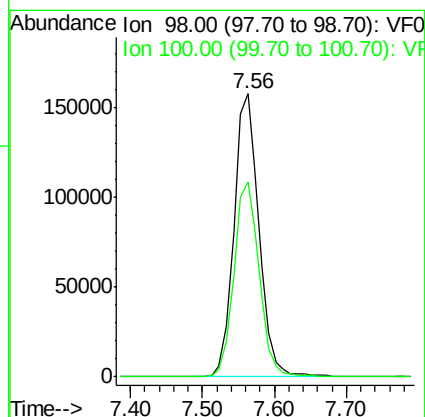
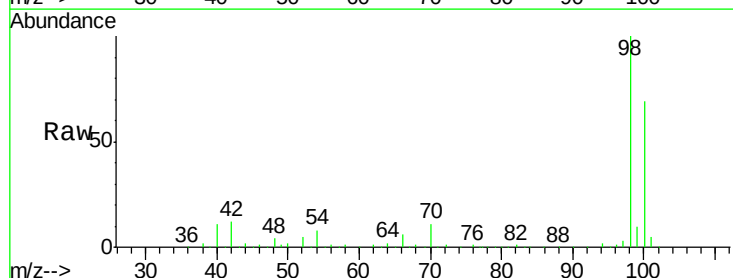
Instrument :
MSVOA_F
ClientSampleId :
A1-2-H2(2.5-3)

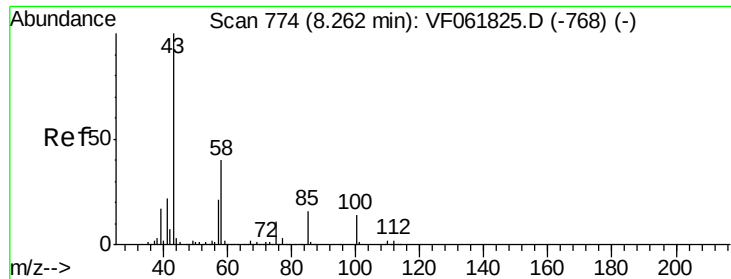
Tot Ion:113 Resp: 141636
Ion Ratio Lower Upper
113 100
111 98.9 77.6 116.4
192 17.3 15.9 23.9



#50
Toluene-d8
Concen: 45.698 ug/l
RT: 7.56 min Scan# 703
Delta R.T. 0.00 min
Lab File: VF061964.D
Acq: 15 Mar 2019 16:41

Tgt Ion: 98 Resp: 380456
Ion Ratio Lower Upper
98 100
100 68.9 56.0 84.0





#51

4-Methyl-2-Pentanone

Concen: 2.725 ug/l

RT: 8.27 min Scan# 775

Delta R.T. 0.01 min

Lab File: VF061964.D

Acq: 15 Mar 2019 16:41

Instrument :

MSVOA_F

ClientSampleId :

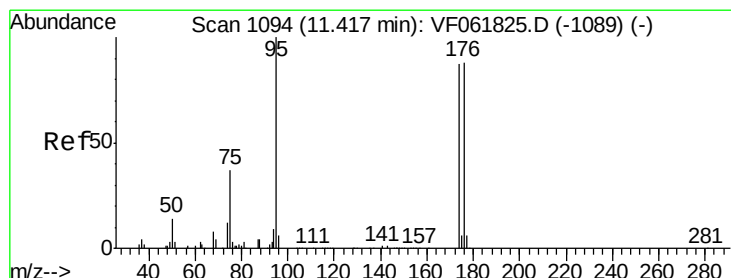
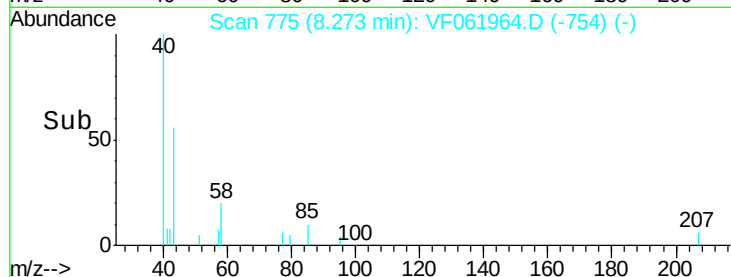
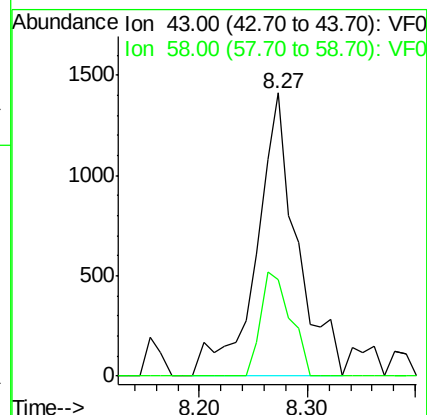
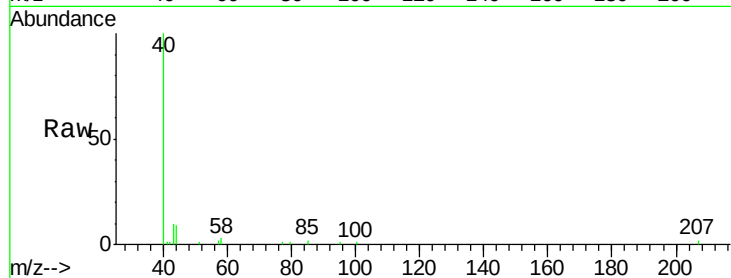
A1-2-H2(2.5-3)

Tot Ion: 43 Resp: 3695

Ion Ratio Lower Upper

43 100

58 34.0 31.8 47.8



#62

4-Bromofluorobenzene

Concen: 50.782 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF061964.D

Acq: 15 Mar 2019 16:41

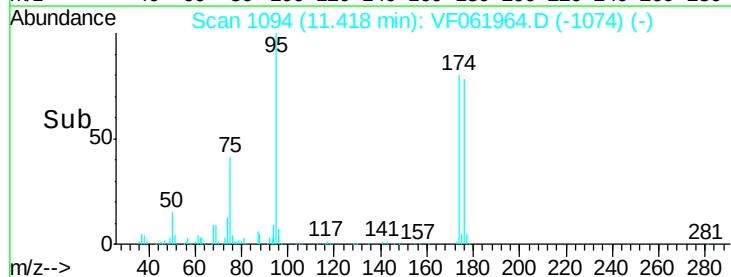
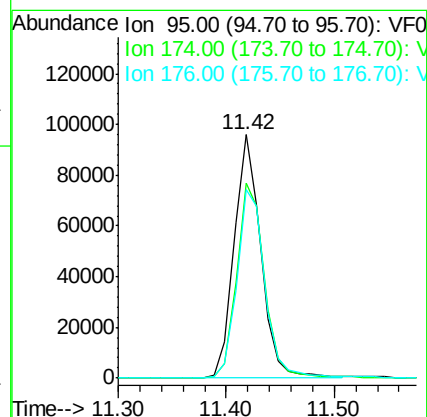
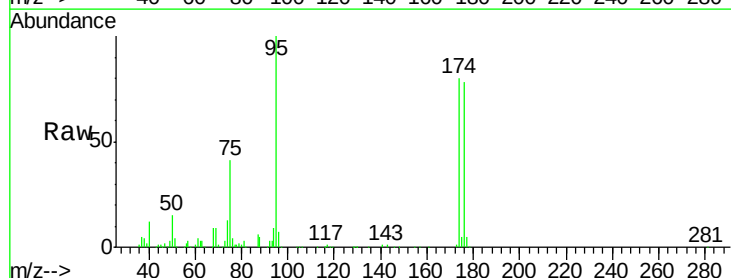
Tgt Ion: 95 Resp: 165615

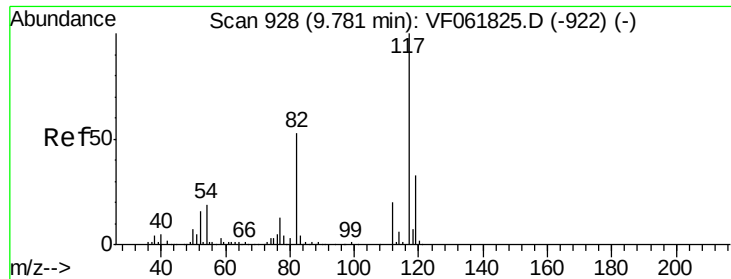
Ion Ratio Lower Upper

95 100

174 80.3 0.0 174.0

176 77.7 0.0 175.2

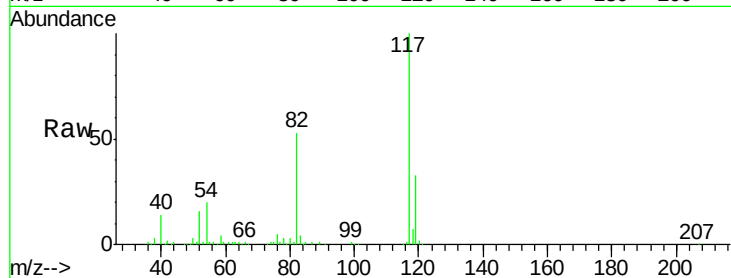




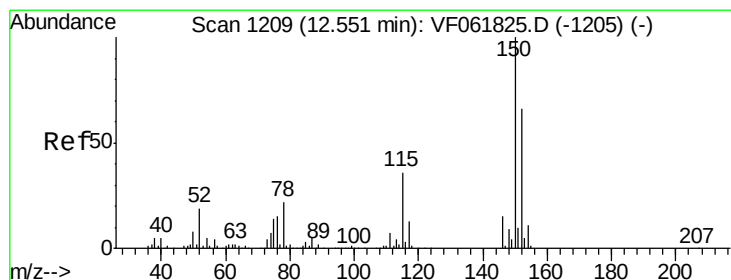
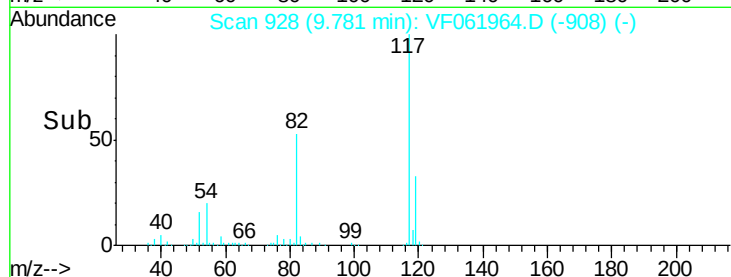
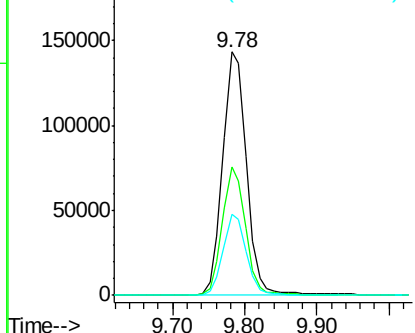
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. 0.00 min
Lab File: VF061964.D
Acq: 15 Mar 2019 16:41

Instrument :
MSVOA_F
ClientSampleId :
A1-2-H2(2.5-3)

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.6	63.8
119	33.3	26.0	39.0

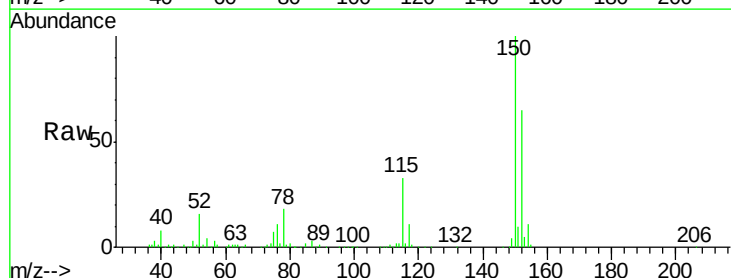


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

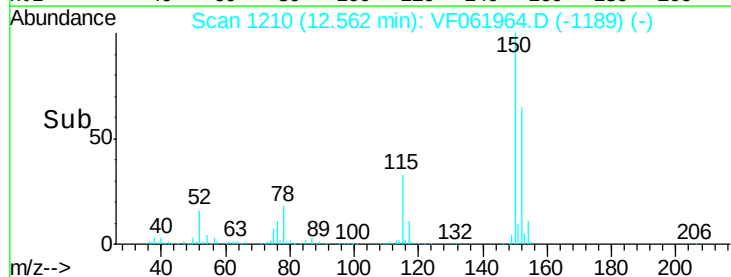
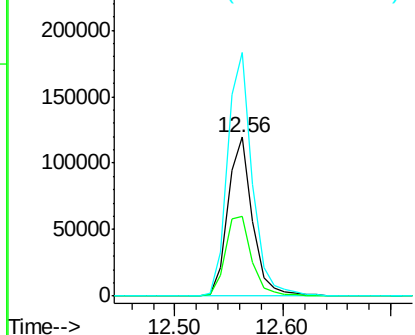


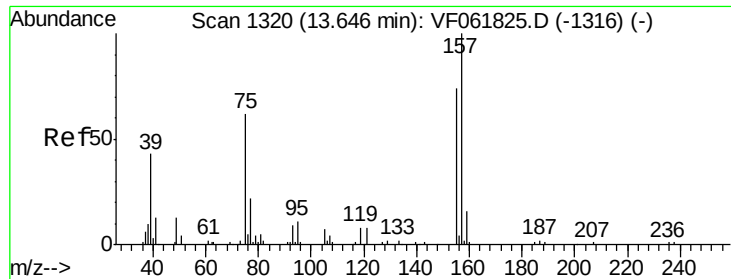
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. 0.01 min
Lab File: VF061964.D
Acq: 15 Mar 2019 16:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	50.7	27.7	83.1
150	153.6	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: 3.936 ug/l

RT: 13.66 min Scan# 1321

Delta R.T. 0.01 min

Lab File: VF061964.D

Acq: 15 Mar 2019 16:41

Instrument :

MSVOA_F

ClientSampleId :

A1-2-H2(2.5-3)

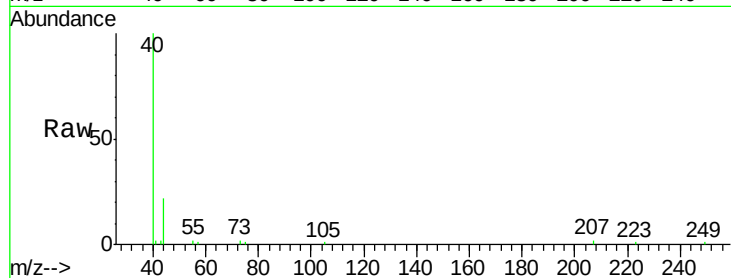
Tot Ion: 75 Resp: 69

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

