

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052219\
 Data File : VF062709.D
 Acq On : 22 May 2019 16:50
 Operator : FY/SY
 Sample : K3008-02
 Misc : 3.92g/5mL/MSVOA F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 23 01:23:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

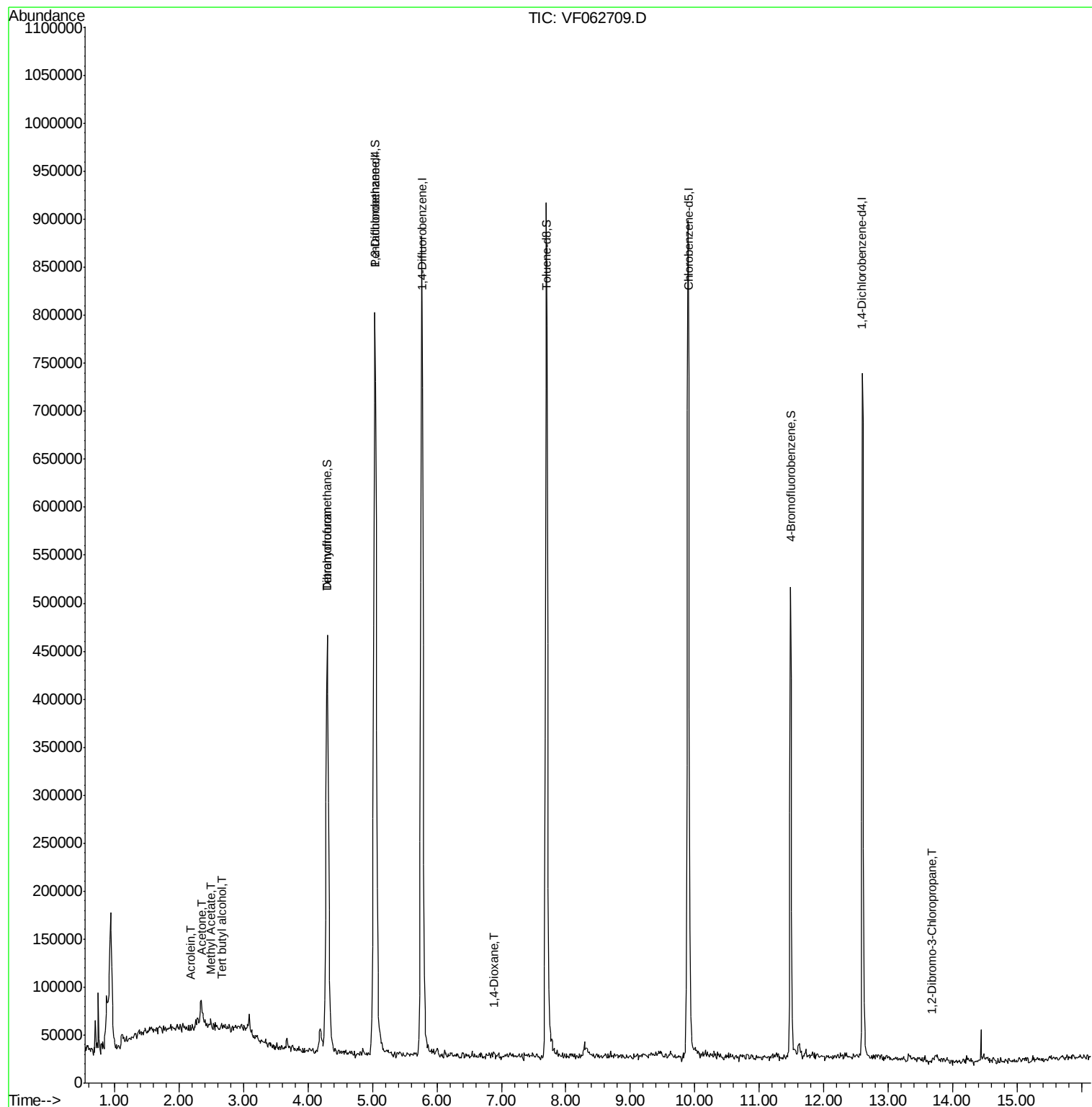
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	679374	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.77	114	1106425	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.90	117	686685	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	204047	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	226102	47.10	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	94.20%	
35) Dibromofluoromethane	4.30	113	432744	51.11	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	102.22%	
50) Toluene-d8	7.70	98	807153	39.93	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	79.86%	
62) 4-Bromofluorobenzene	11.48	95	181749	23.71	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	47.42%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.65	59	1113	3.512	ug/l #	17
13) Acrolein	2.18	56	1136	3.434	ug/l	96
16) Acetone	2.34	43	47060	37.785	ug/l	91
18) Methyl Acetate	2.48	43	5744	2.935	ug/l #	52
29) Tetrahydrofuran	4.29	42	2120	1.969	ug/l	89
49) 1,4-Dioxane	6.88	88	258	6.426	ug/l #	1
59) 2-Hexanone	9.62	43	3175	Below Cal		74
74) N-amyl acetate	11.43	43	956	Below Cal	#	44
92) 1,2-Dibromo-3-Chloropropan	13.68	75	552	1.548	ug/l #	1

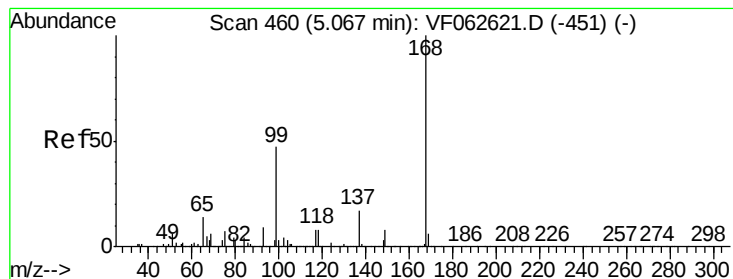
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052219\
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ALS Vial : 15 Sample Multiplier: 1

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ClientSampleId :

Quant Time: May 23 01:23:19 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.02 min

Lab File: VF062709.D

Acq: 22 May 2019 16:50

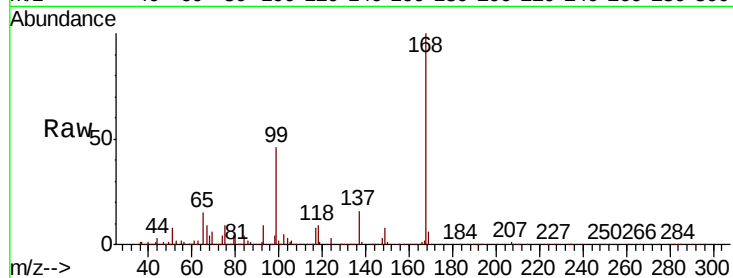
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 679374

Ion Ratio Lower Upper

168 100

99 46.3 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

250000

200000

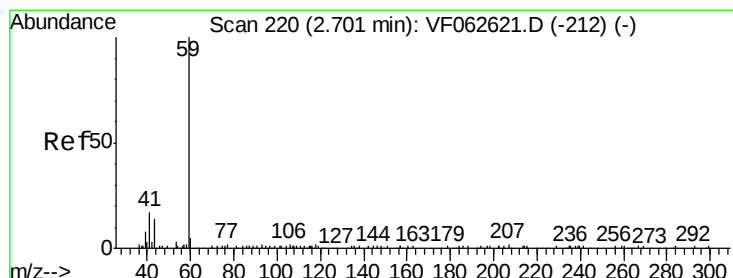
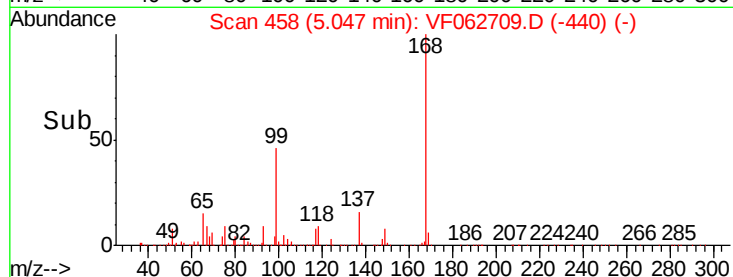
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.512 ug/l

RT: 2.65 min Scan# 215

Delta R.T. -0.05 min

Lab File: VF062709.D

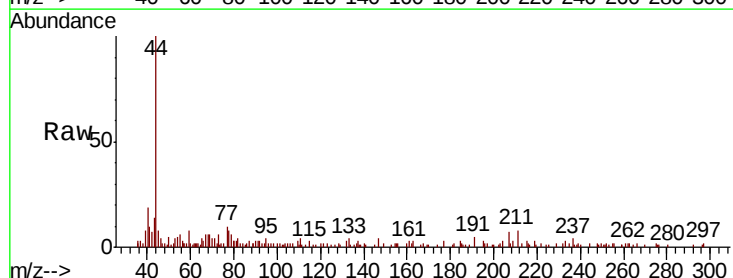
Acq: 22 May 2019 16:50

Tgt Ion: 59 Resp: 1113

Ion Ratio Lower Upper

59 100

57 43.5 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.65

1200

1000

800

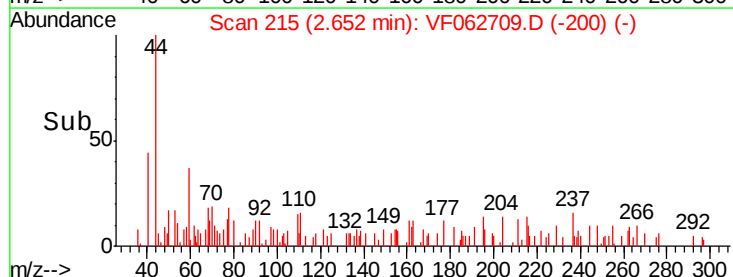
600

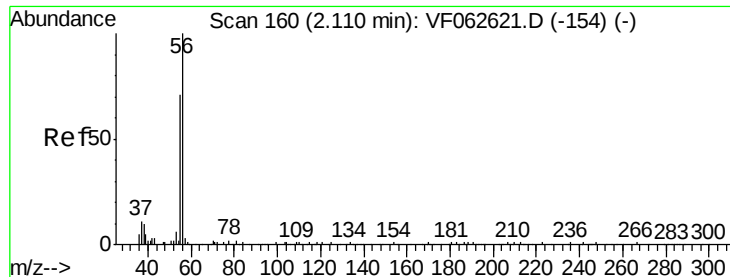
400

200

0

Time-->

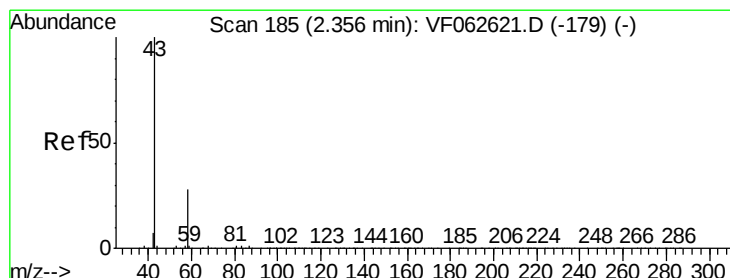
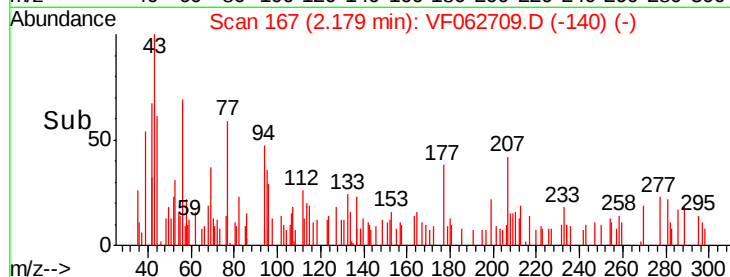
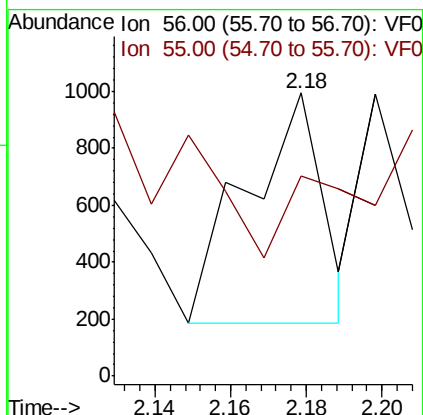
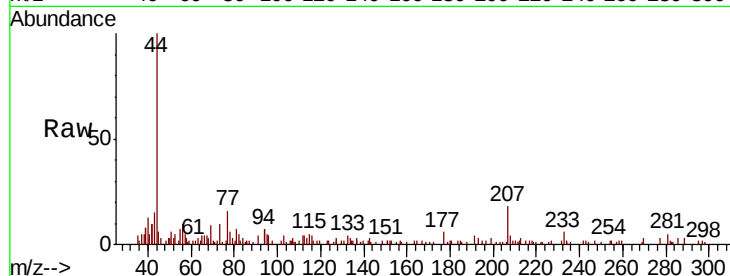




#13
Acrolein
Concen: 3.434 ug/l
RT: 2.18 min Scan# 167
Delta R.T. 0.07 min
Lab File: VF062709.D
Acq: 22 May 2019 16:50

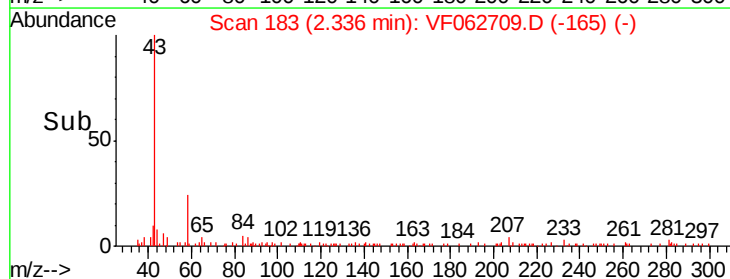
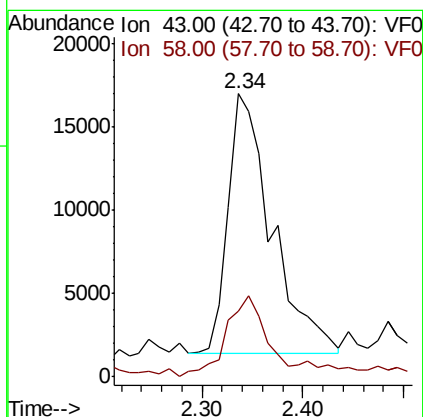
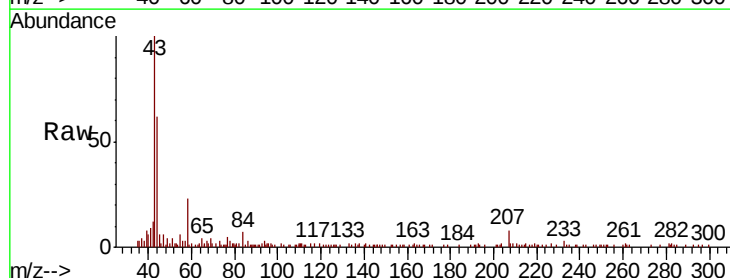
Instrument :
MSVOA_F
ClientSampleId :

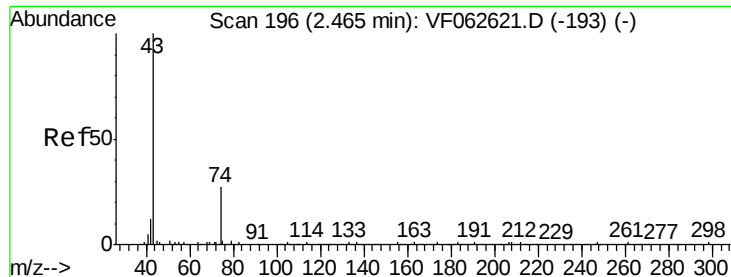
Tot Ion: 56 Resp: 1136
Ion Ratio Lower Upper
56 100
55 70.5 59.4 89.0



#16
Acetone
Concen: 37.785 ug/l
RT: 2.34 min Scan# 183
Delta R.T. -0.02 min
Lab File: VF062709.D
Acq: 22 May 2019 16:50

Tgt Ion: 43 Resp: 47060
Ion Ratio Lower Upper
43 100
58 23.4 22.6 33.8

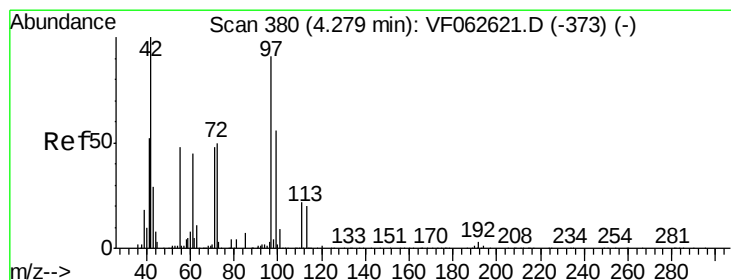
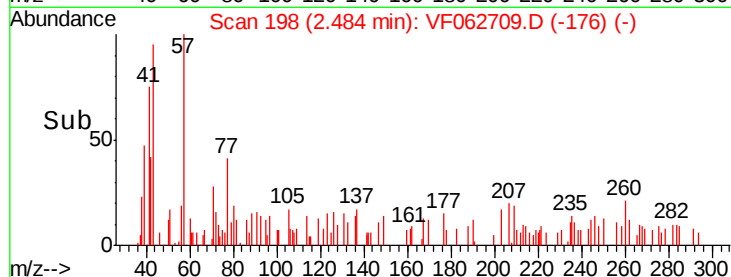
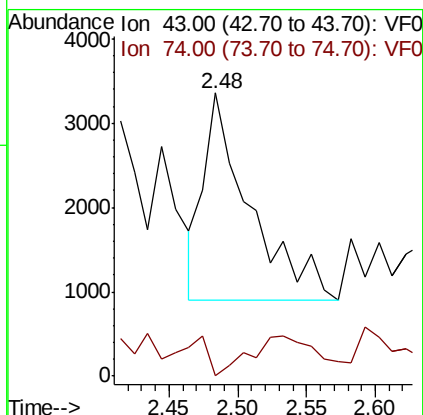
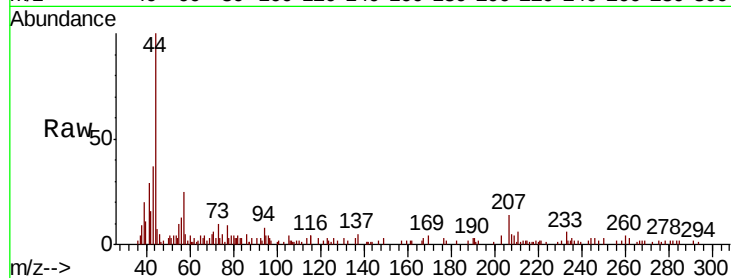




#18
Methvl Acetate
Concen: 2.935 ug/l
RT: 2.48 min Scan# 198
Delta R.T. 0.02 min
Lab File: VF062709.D
Acq: 22 May 2019 16:50

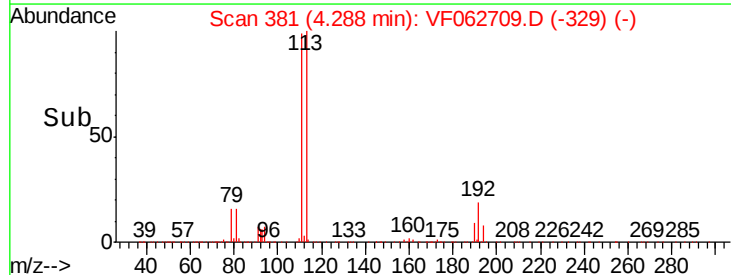
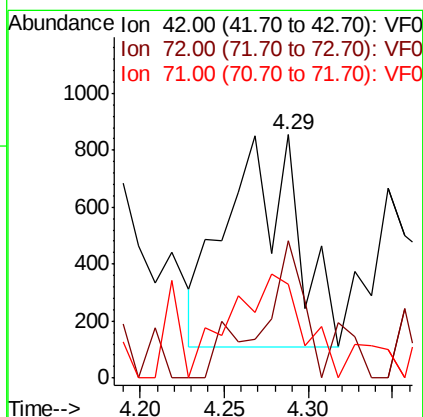
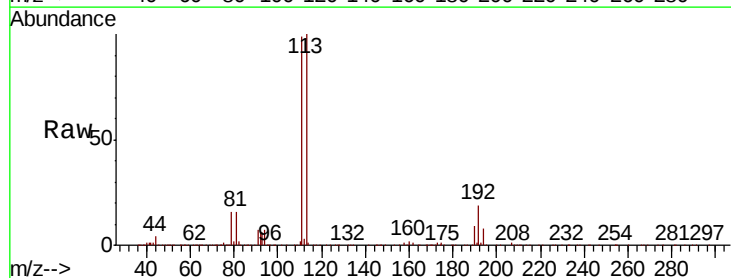
Instrument :
MSVOA_F
ClientSampled :

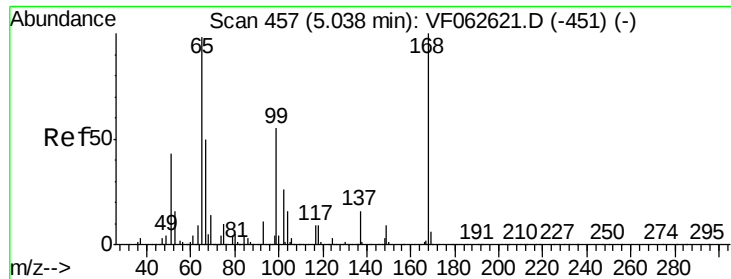
Tot Ion: 43 Resp: 5744
Ion Ratio Lower Upper
43 100
74 0.0 18.9 28.3#



#29
Tetrahydrofuran
Concen: 1.969 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.01 min
Lab File: VF062709.D
Acq: 22 May 2019 16:50

Tgt Ion: 42 Resp: 2120
Ion Ratio Lower Upper
42 100
72 39.6 38.2 57.2
71 51.2 35.8 53.6





#33

1,2-Dichloroethane-d4

Concen: 47.097 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.01 min

Lab File: VF062709.D

Acq: 22 May 2019 16:50

Instrument :

MSVOA_F

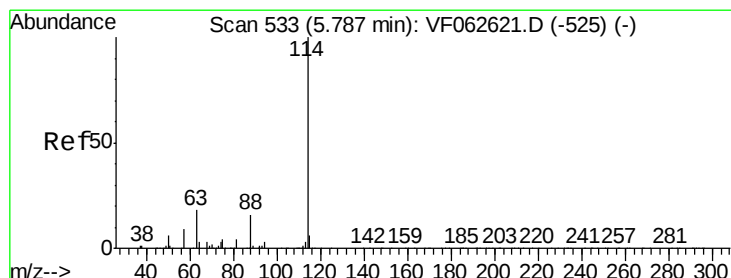
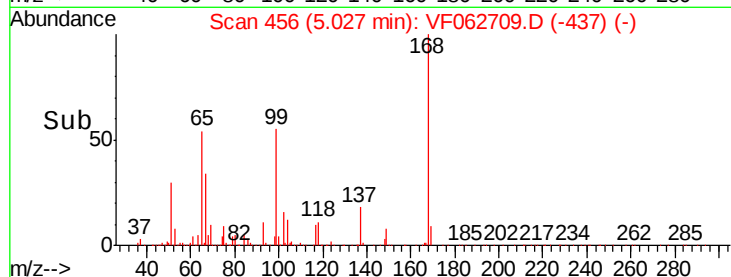
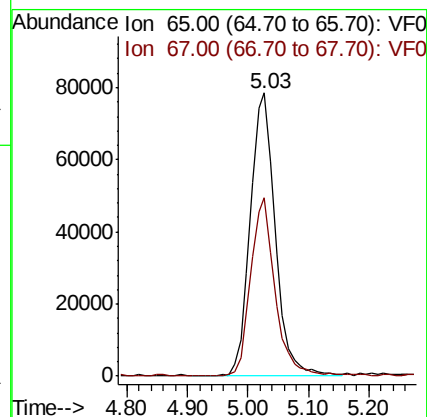
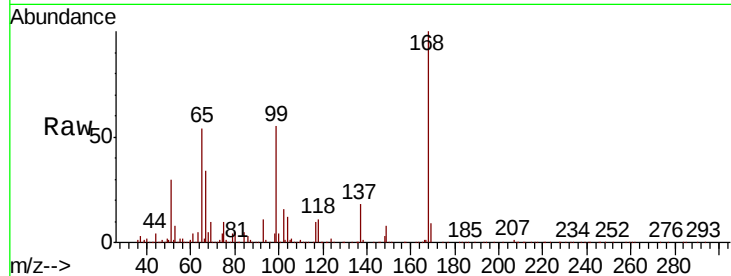
ClientSampleId :

Tot Ion: 65 Resp: 226102

Ion Ratio Lower Upper

65 100

67 63.0 0.0 117.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.02 min

Lab File: VF062709.D

Acq: 22 May 2019 16:50

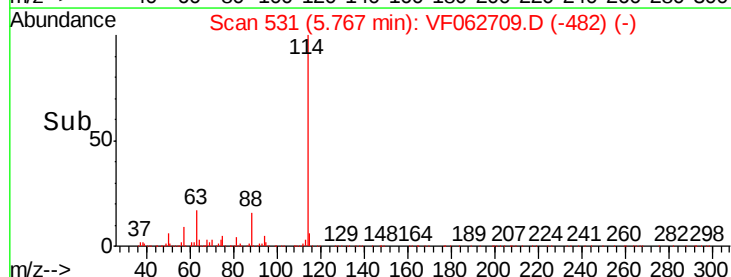
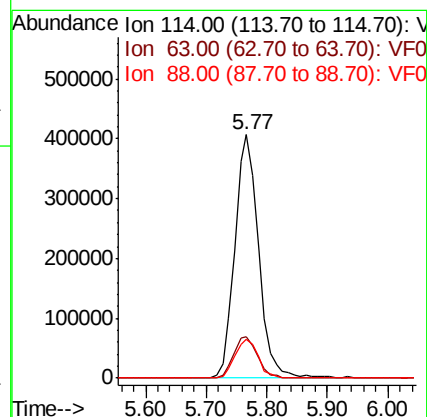
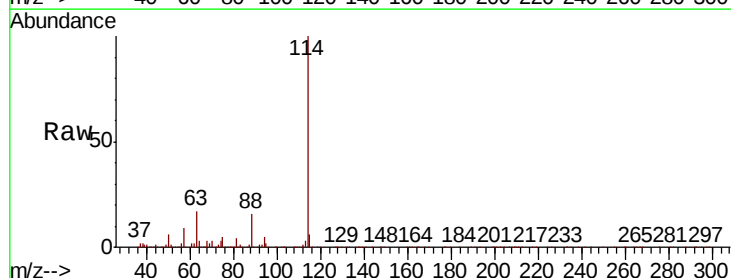
Tgt Ion: 114 Resp: 1106425

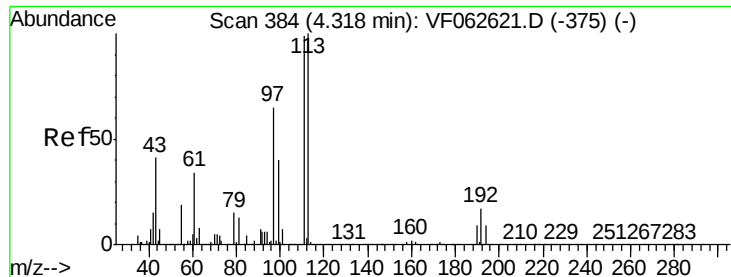
Ion Ratio Lower Upper

114 100

63 17.0 0.0 35.4

88 16.2 0.0 32.4

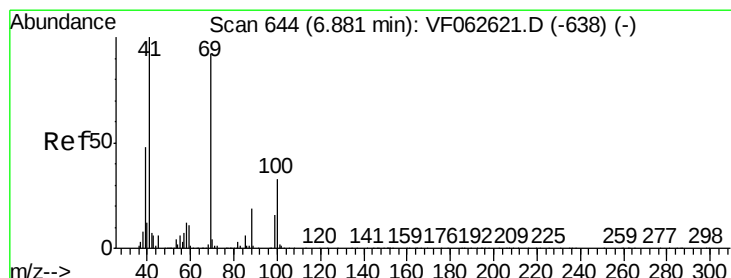
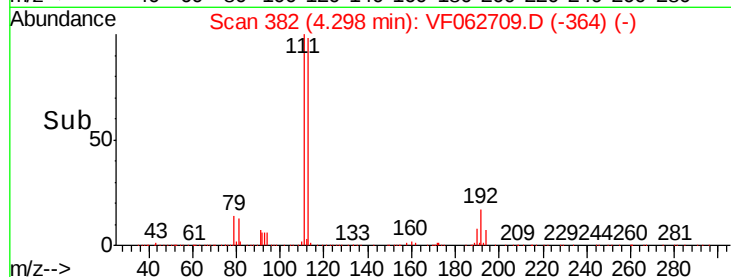
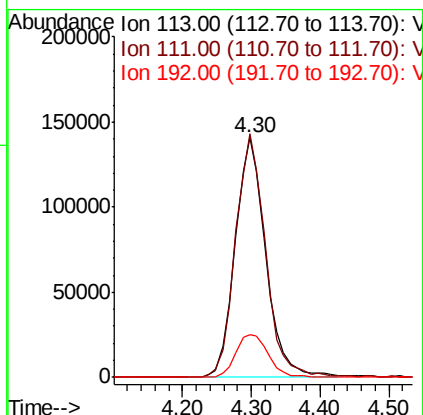
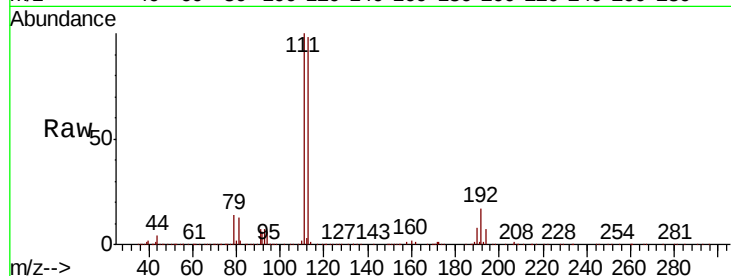




#35
 Dibromofluoromethane
 Concen: 51.113 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. -0.02 min
 Lab File: VF062709.D
 Acq: 22 May 2019 16:50

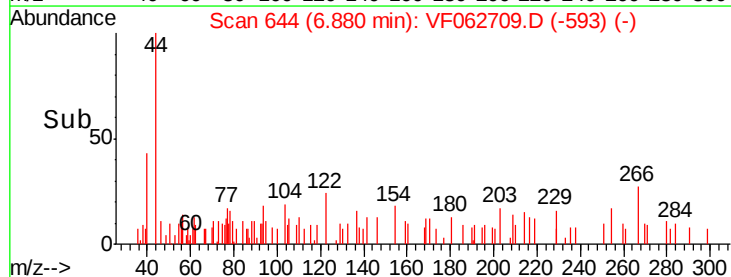
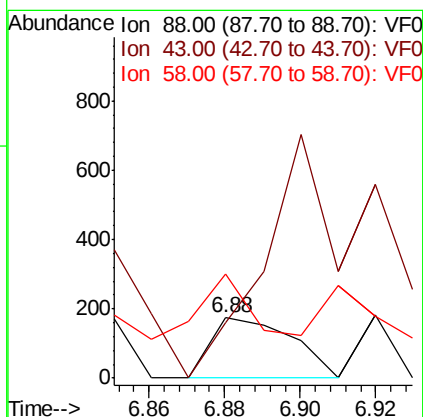
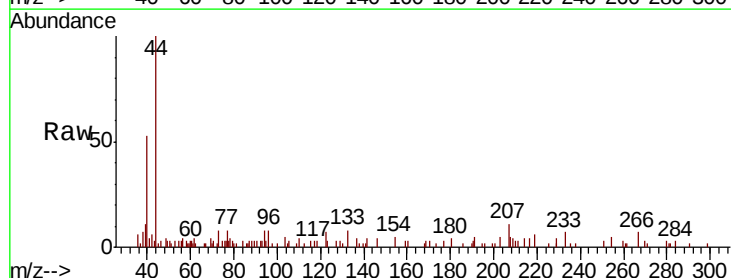
Instrument :
 MSVOA_F
 ClientSampleId :

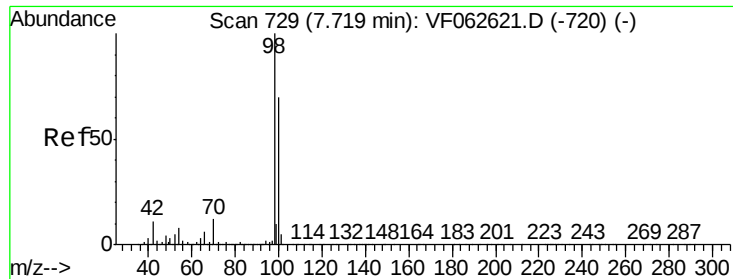
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	79.4	119.2
192	17.6	13.4	20.2



#49
 1,4-Dioxane
 Concen: 6.426 ug/l
 RT: 6.88 min Scan# 644
 Delta R.T. -0.00 min
 Lab File: VF062709.D
 Acq: 22 May 2019 16:50

Tgt Ion	Ratio	Lower	Upper
88	100		
43	91.4	30.0	45.0#
58	172.4	51.1	76.7#

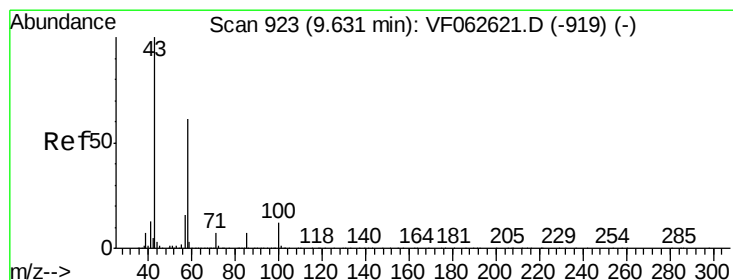
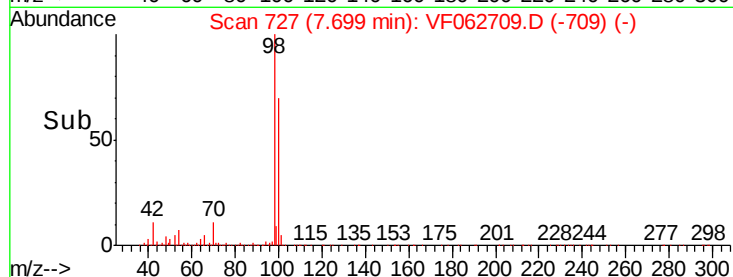
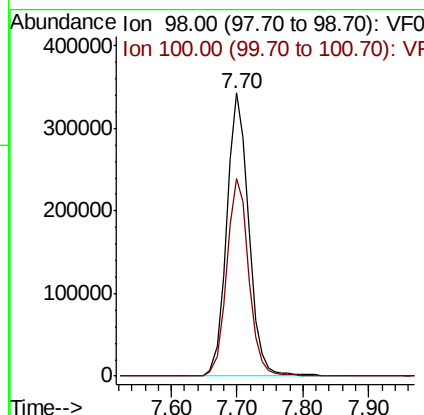
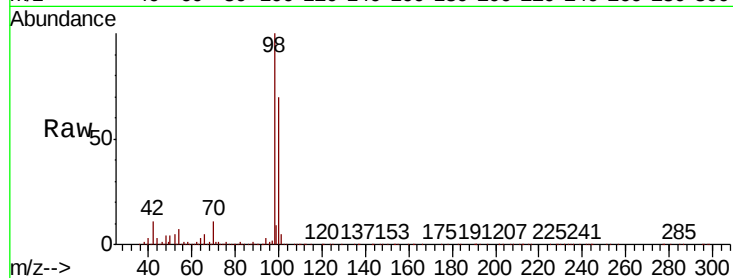




#50
Toluene-d8
Concen: 39.929 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.02 min
Lab File: VF062709.D
Acq: 22 May 2019 16:50

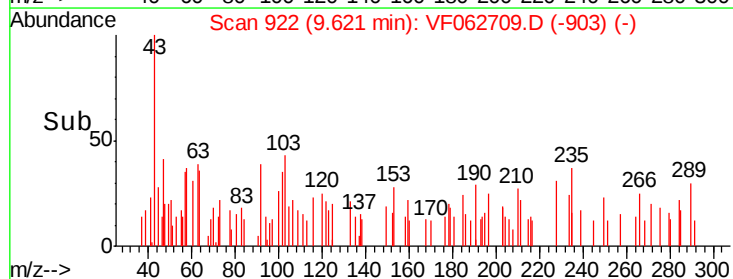
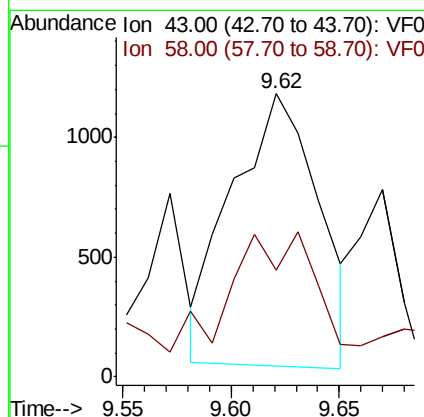
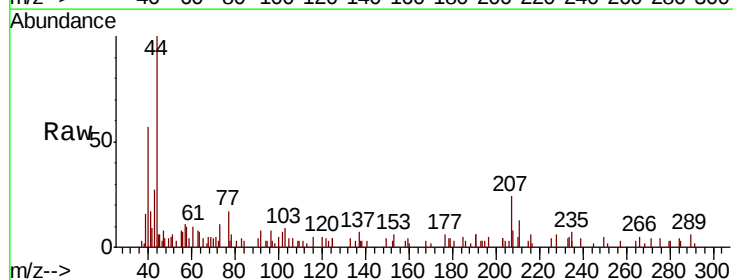
Instrument :
MSVOA_F
ClientSampleId :

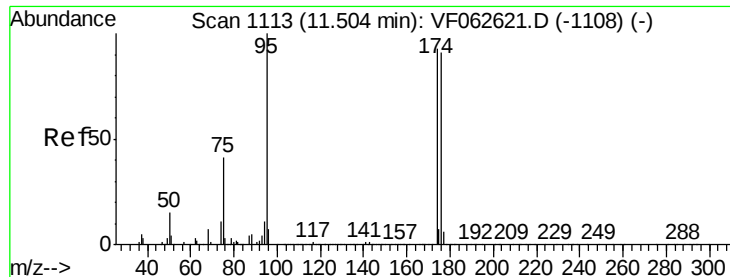
Tot Ion: 98 Resp: 807153
Ion Ratio Lower Upper
98 100
100 70.0 56.2 84.2



#59
2-Hexanone
Concen: Below Cal
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF062709.D
Acq: 22 May 2019 16:50

Tgt Ion: 43 Resp: 3175
Ion Ratio Lower Upper
43 100
58 37.6 28.1 84.4





#62

4-Bromofluorobenzene

Concen: 23.706 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF062709.D

Acq: 22 May 2019 16:50

Instrument :

MSVOA_F

ClientSampled :

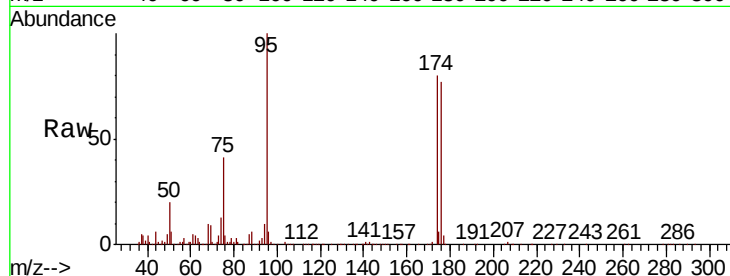
Tot Ion: 95 Resp: 181749

Ion Ratio Lower Upper

95 100

174 80.2 0.0 185.6

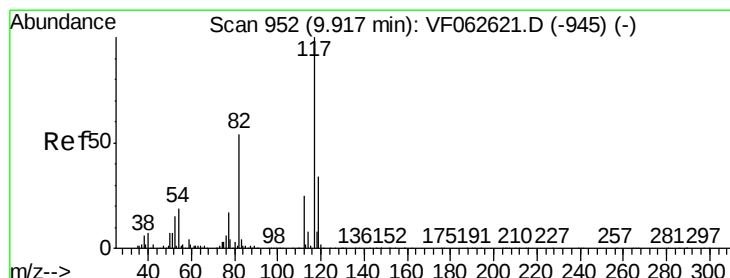
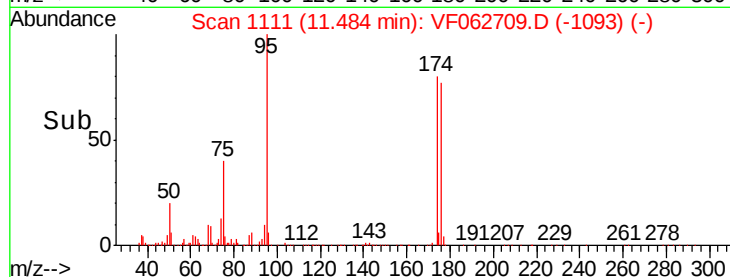
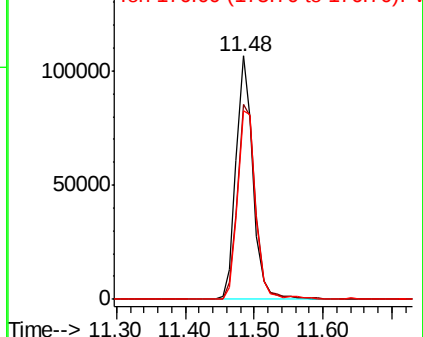
176 77.4 0.0 182.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.90 min Scan# 950

Delta R.T. -0.02 min

Lab File: VF062709.D

Acq: 22 May 2019 16:50

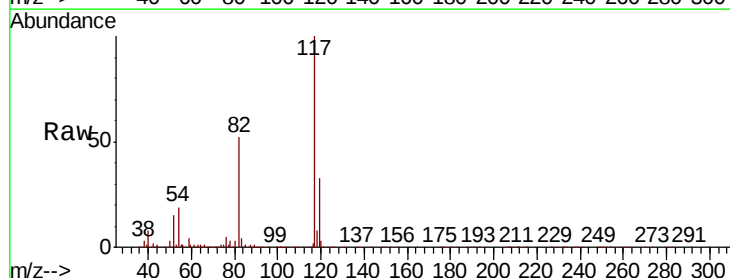
Tgt Ion: 117 Resp: 686685

Ion Ratio Lower Upper

117 100

82 51.5 43.3 64.9

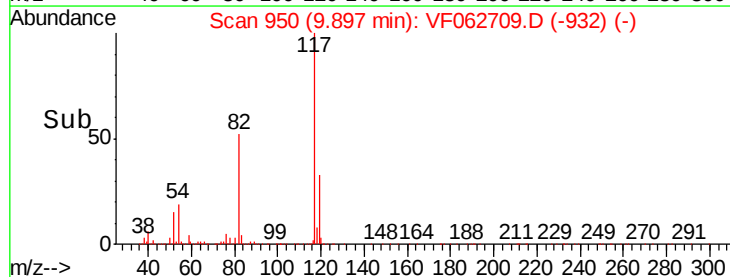
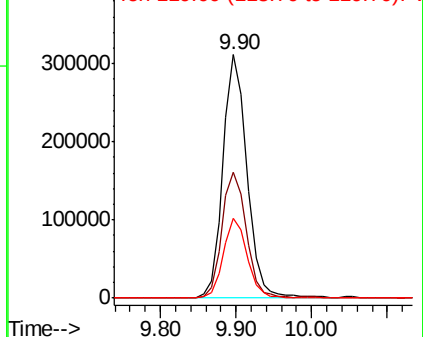
119 33.0 27.4 41.0

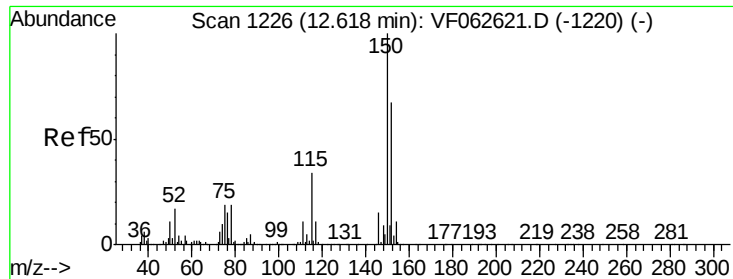


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.01 min

Lab File: VF062709.D

Acq: 22 May 2019 16:50

Instrument :

MSVOA_F

ClientSampleId :

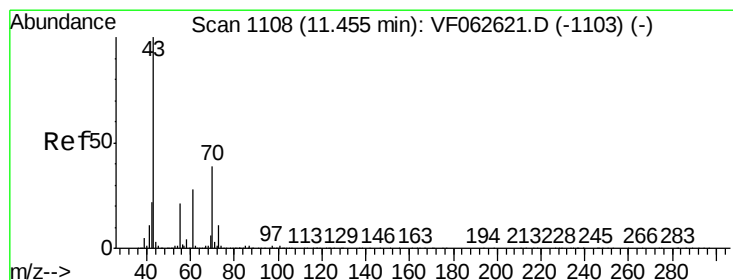
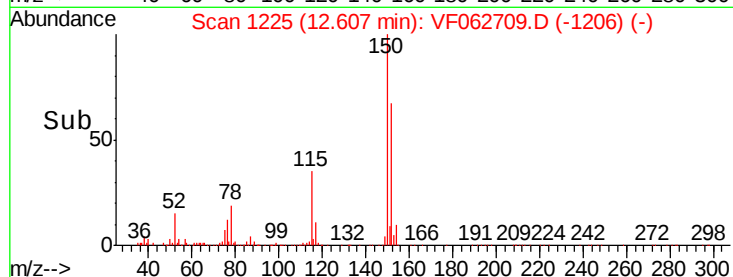
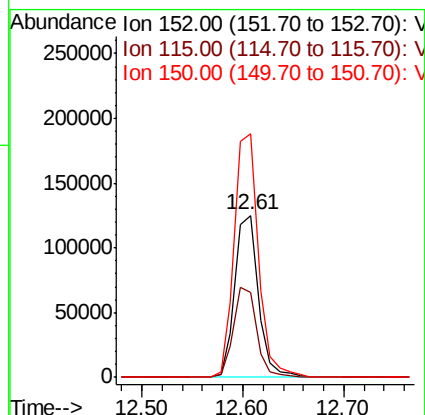
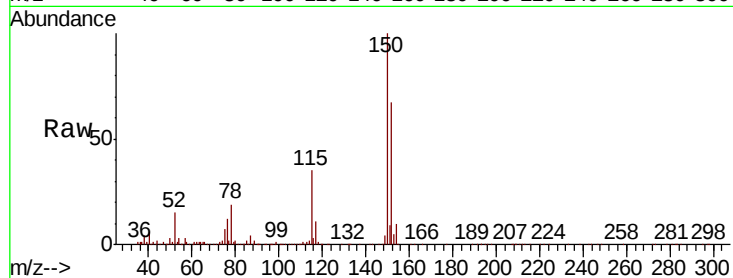
Tot Ion:152 Resp: 204047

Ion Ratio Lower Upper

152 100

115 52.2 25.2 75.6

150 150.0 0.0 306.2



#74

N-ethyl acetate

Concen: Below Cal

RT: 11.43 min Scan# 1106

Delta R.T. -0.02 min

Lab File: VF062709.D

Acq: 22 May 2019 16:50

Tgt Ion: 43 Resp: 956

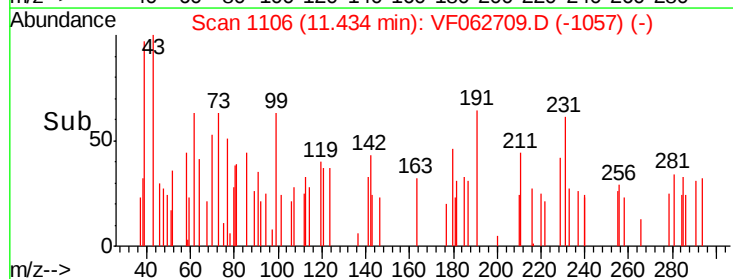
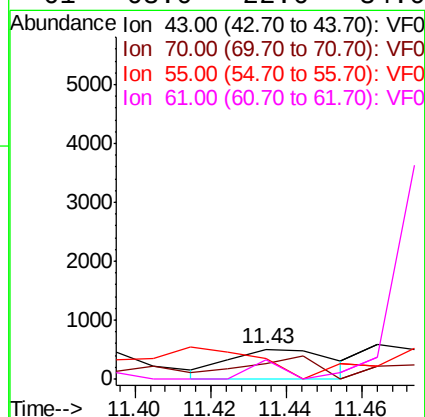
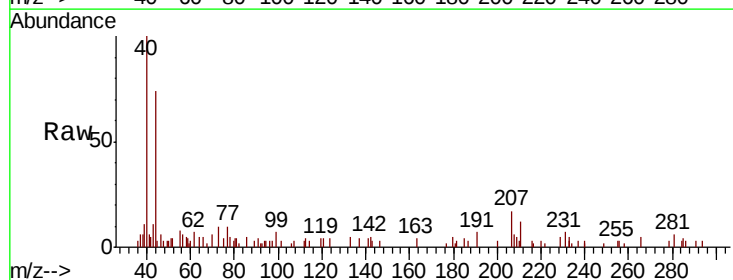
Ion Ratio Lower Upper

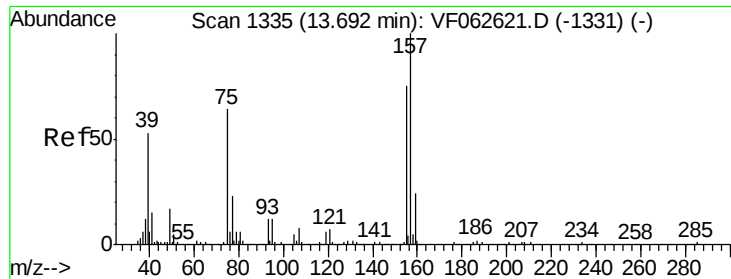
43 100

70 52.8 30.9 46.3#

55 70.0 17.0 25.4#

61 63.0 22.6 34.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.548 ug/l

RT: 13.68 min Scan# 1334

Delta R.T. -0.01 min

Lab File: VF062709.D

Acq: 22 May 2019 16:50

Instrument :

MSVOA_F

ClientSampleId :

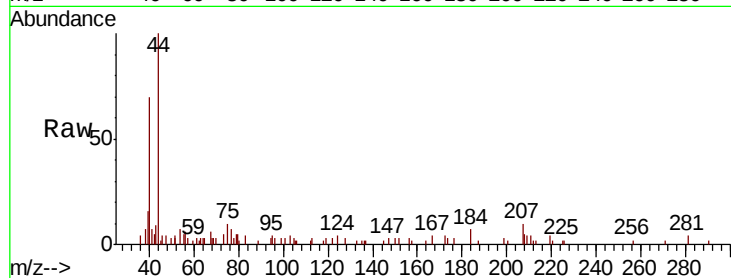
Tot Ion: 75 Resp: 552

Ion Ratio Lower Upper

75 100

155 0.0 58.1 174.3#

157 23.6 77.8 233.4#



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

