

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051419\
 Data File : VF062597.D
 Acq On : 14 May 2019 23:29
 Operator : FY/SY
 Sample : K2823-04
 Misc : 6.06g/5mL/MSVOA F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 11-B

Quant Time: May 15 05:18:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051419S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 05:06:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	696842	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1192910	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	902165	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	429250	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.06	65	202379	38.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	76.88%	
35) Dibromofluoromethane	4.33	113	368603	41.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.04%	
50) Toluene-d8	7.73	98	792808	37.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.78%	
62) 4-Bromofluorobenzene	11.50	95	292412	40.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.04%	

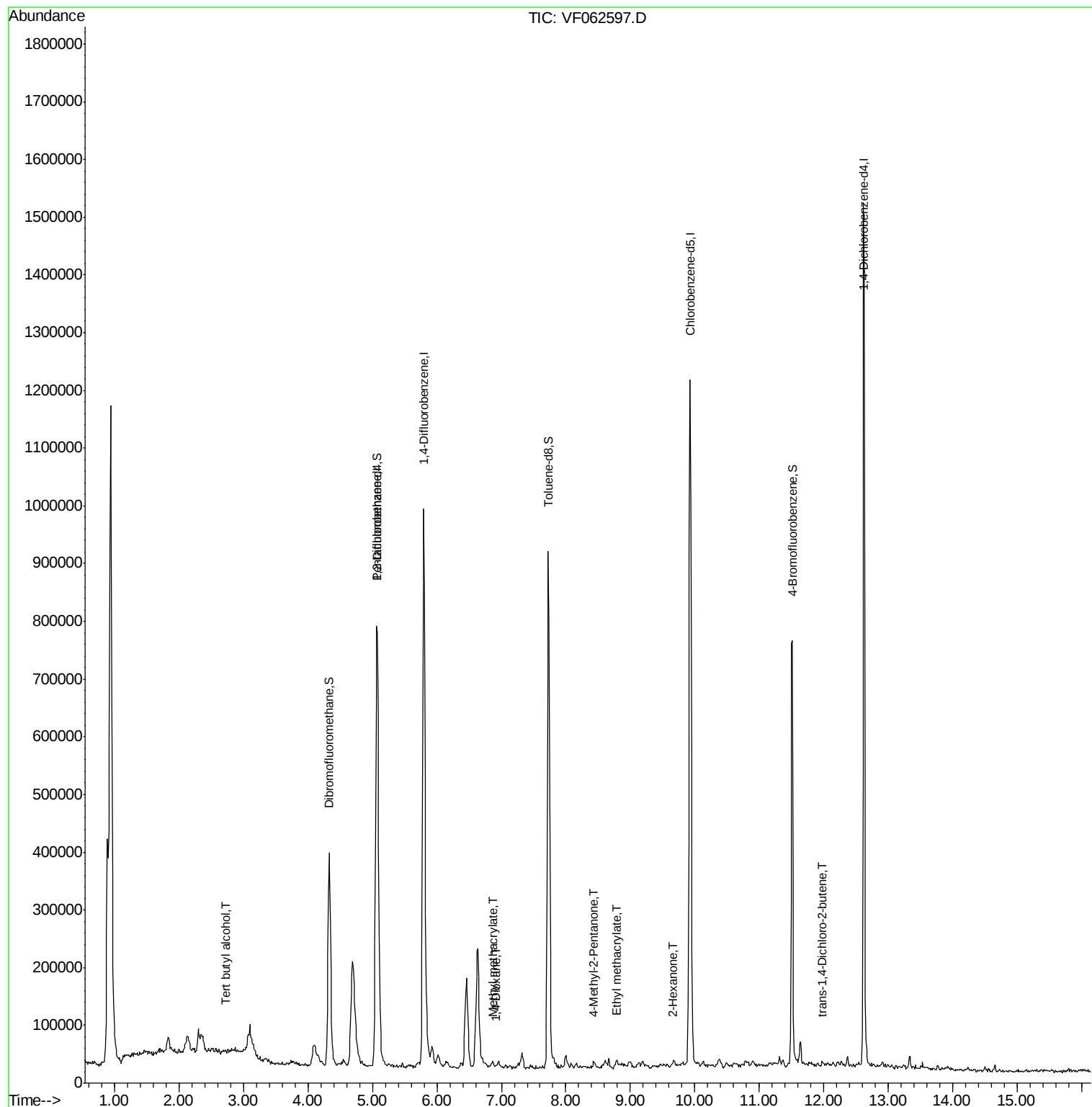
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	170	Below Cal	#	45
11) Tert butyl alcohol	2.71	59	1850	5.837	ug/l #	1
17) Carbon Disulfide	1.92	76	1402	Below Cal	#	1
18) Methyl Acetate	2.48	43	1207	Below Cal	#	87
48) Methyl methacrylate	6.86	41	2756	1.003	ug/l #	84
49) 1,4-Dioxane	6.91	88	327	9.032	ug/l #	1
51) 4-Methyl-2-Pentanone	8.43	43	12140	3.301	ug/l #	46
56) Ethyl methacrylate	8.78	69	5806	1.200	ug/l #	80
59) 2-Hexanone	9.65	43	3470	1.429	ug/l	72
81) trans-1,4-Dichloro-2-buten	11.97	75	1625	1.006	ug/l #	39

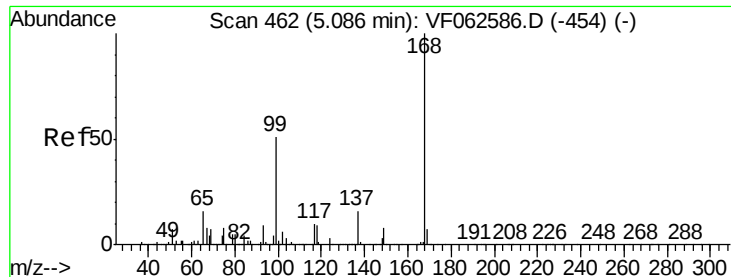
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051419\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F051419S.M
Quant Title : SW846 8260
QLast Update : Wed May 15 05:06:28 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. -0.01 min

Lab File: VF062597.D

Acq: 14 May 2019 23:29

Instrument :

MSVOA_F

ClientSampleId :

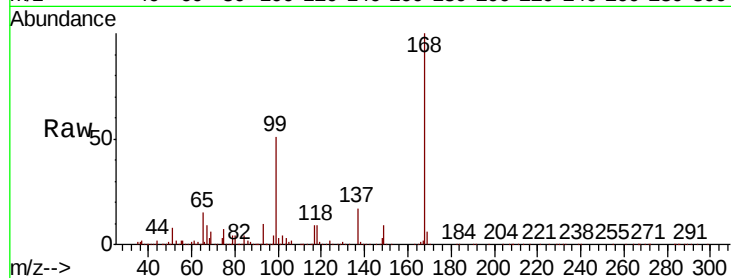
11-B

Tot Ion:168 Resp: 696842

Ion Ratio Lower Upper

168 100

99 51.3 41.0 61.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.08

250000

200000

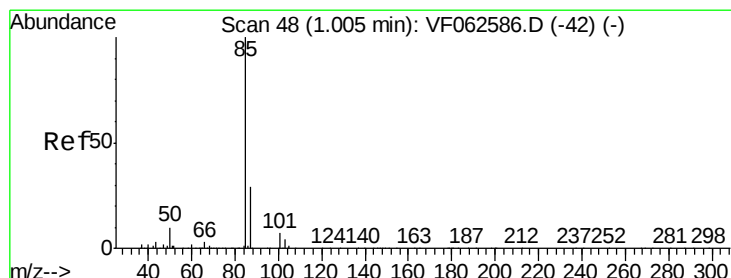
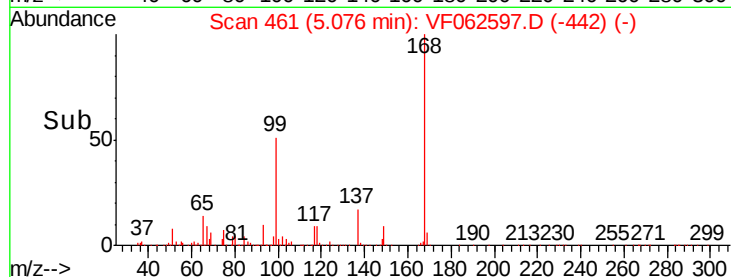
150000

100000

50000

0

Time--> 4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.98 min Scan# 45

Delta R.T. -0.03 min

Lab File: VF062597.D

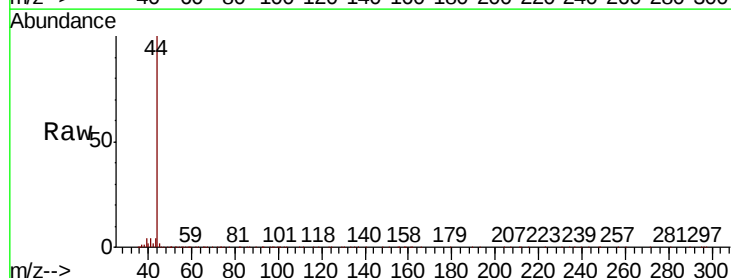
Acq: 14 May 2019 23:29

Tgt Ion: 85 Resp: 170

Ion Ratio Lower Upper

85 100

87 0.0 14.6 43.8#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

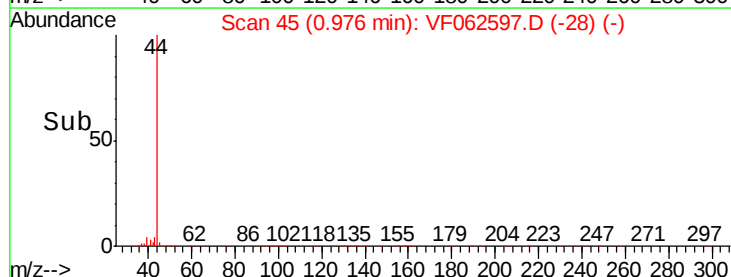
300

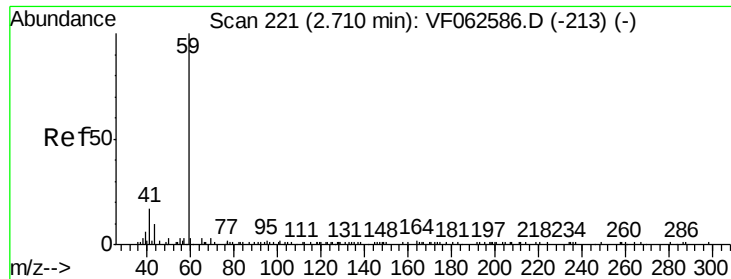
200

100

0

Time--> 0.96 0.98



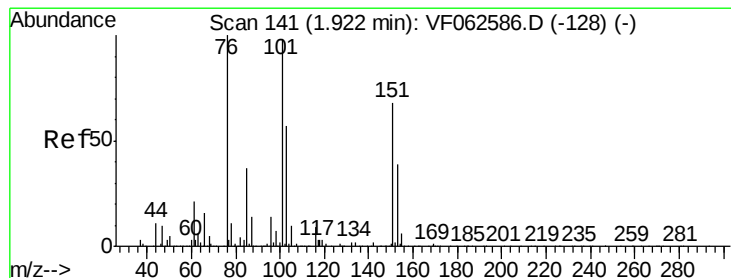
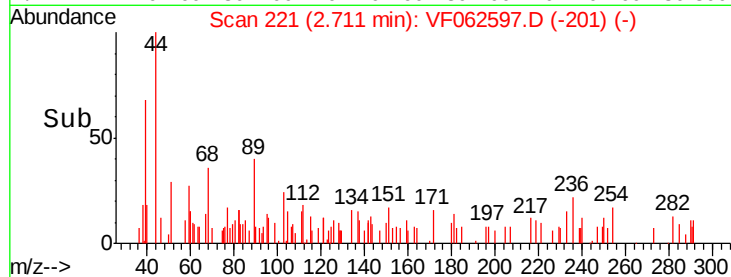
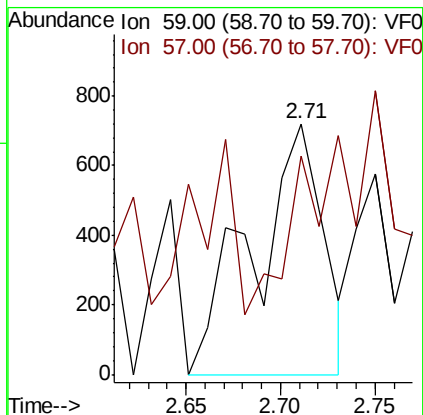
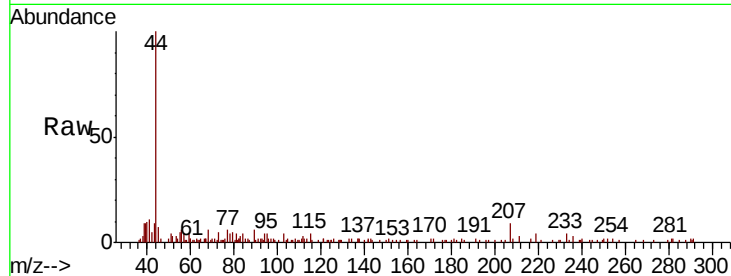


#11

Tert butyl alcohol
Concen: 5.837 ug/l
RT: 2.71 min Scan# 221
Delta R.T. 0.00 min
Lab File: VF062597.D
Acq: 14 May 2019 23:29

Instrument :
MSVOA_F
ClientSampled :
11-B

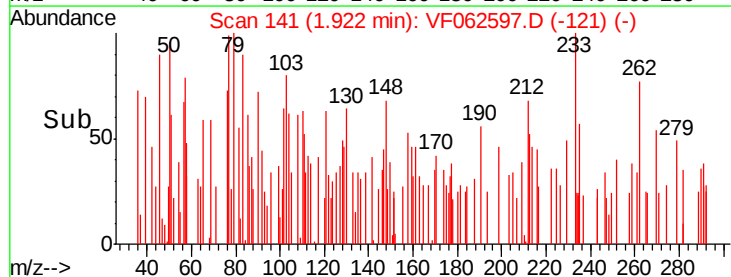
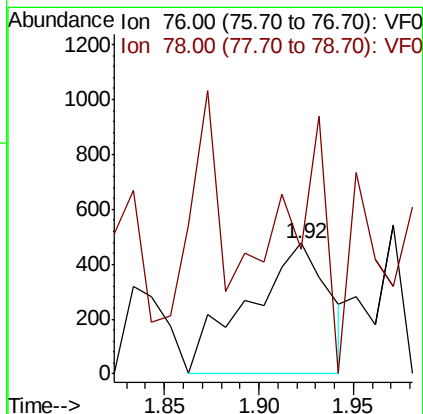
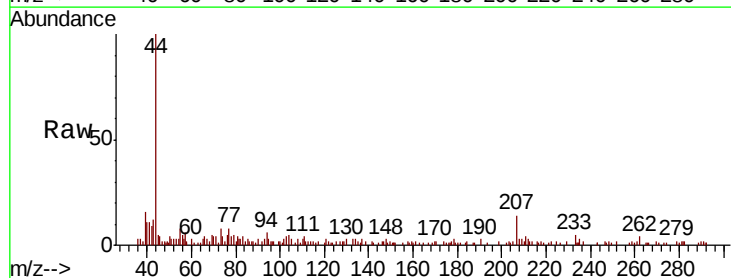
Tot Ion: 59 Resp: 1850
Ion Ratio Lower Upper
59 100
57 87.4 8.0 12.0#

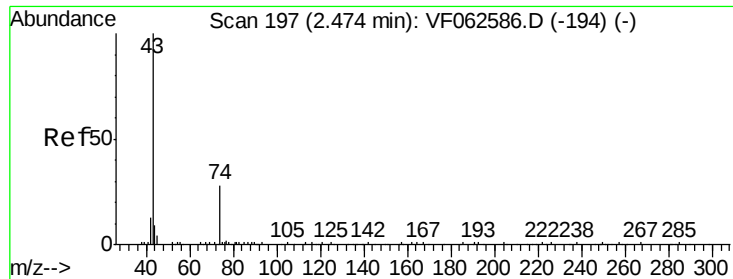


#17

Carbon Disulfide
Concen: Below Cal
RT: 1.92 min Scan# 141
Delta R.T. 0.00 min
Lab File: VF062597.D
Acq: 14 May 2019 23:29

Tgt Ion: 76 Resp: 1402
Ion Ratio Lower Upper
76 100
78 95.2 9.0 13.4#

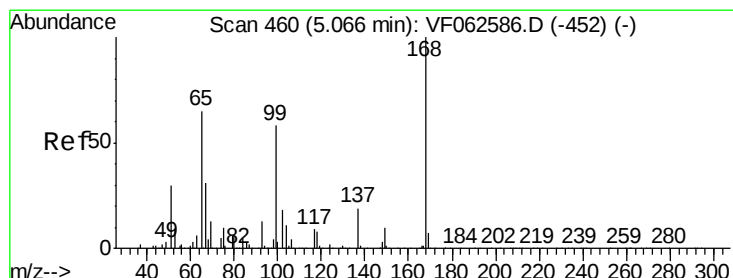
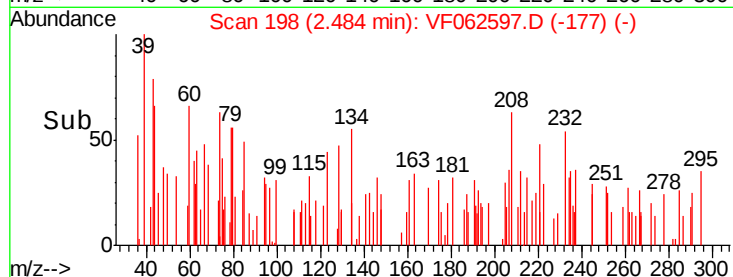
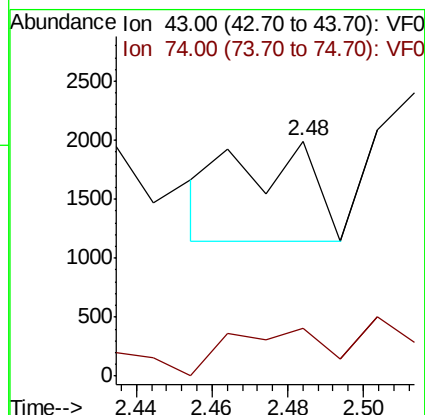
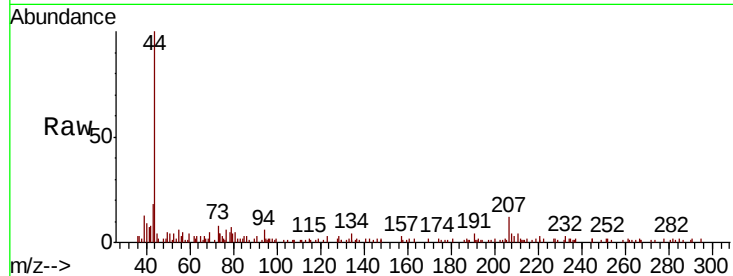




#18
Methvl Acetate
Concen: Below Cal
RT: 2.48 min Scan# 198
Delta R.T. 0.01 min
Lab File: VF062597.D
Acq: 14 May 2019 23:29

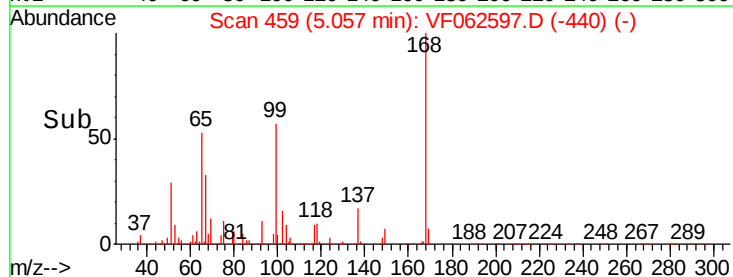
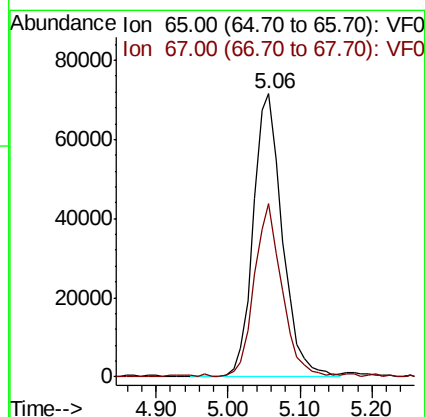
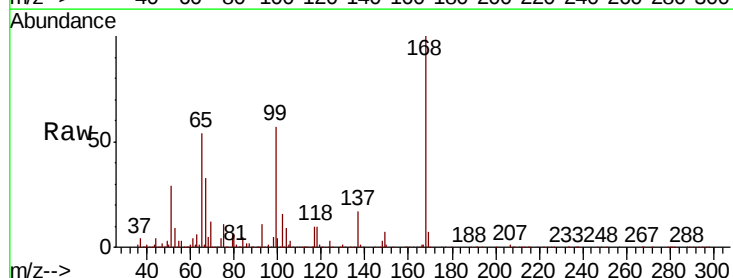
Instrument :
MSVOA_F
ClientSampled :
11-B

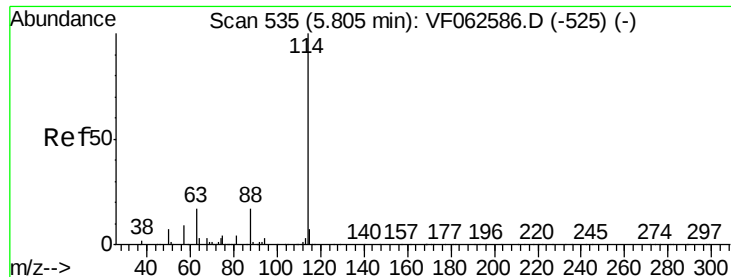
Tot Ion: 43 Resp: 1207
Ion Ratio Lower Upper
43 100
74 20.2 21.4 32.0#



#33
1,2-Dichloroethane-d4
Concen: 38.444 ug/l
RT: 5.06 min Scan# 459
Delta R.T. -0.01 min
Lab File: VF062597.D
Acq: 14 May 2019 23:29

Tgt Ion: 65 Resp: 202379
Ion Ratio Lower Upper
65 100
67 61.1 0.0 116.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.80 min Scan# 534

Delta R.T. -0.01 min

Lab File: VF062597.D

Acq: 14 May 2019 23:29

Instrument :

MSVOA_F

ClientSampleId :

11-B

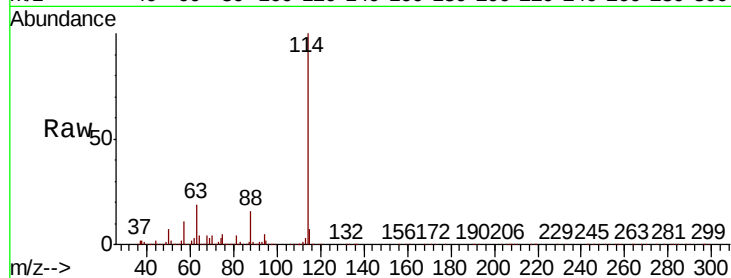
Tot Ion:114 Resp: 1192910

Ion Ratio Lower Upper

114 100

63 19.2 0.0 34.6

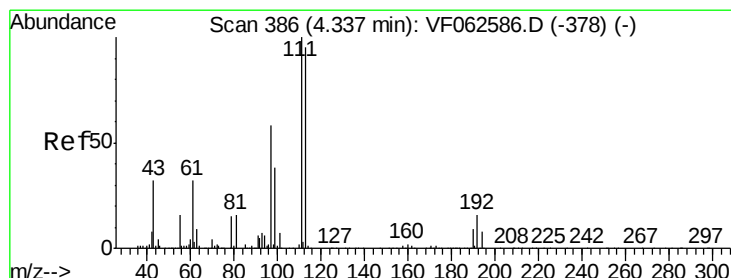
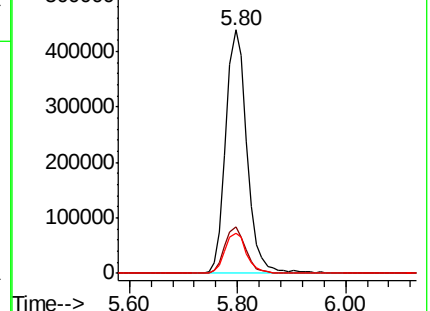
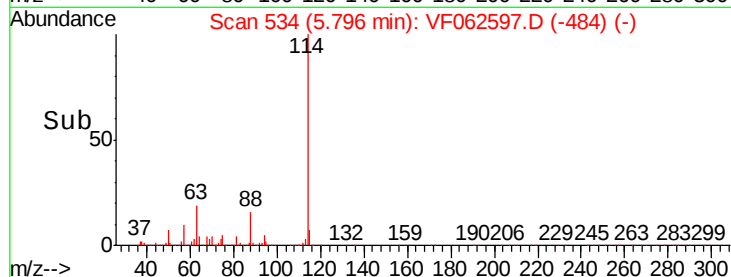
88 16.3 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 41.516 ug/l

RT: 4.33 min Scan# 385

Delta R.T. -0.01 min

Lab File: VF062597.D

Acq: 14 May 2019 23:29

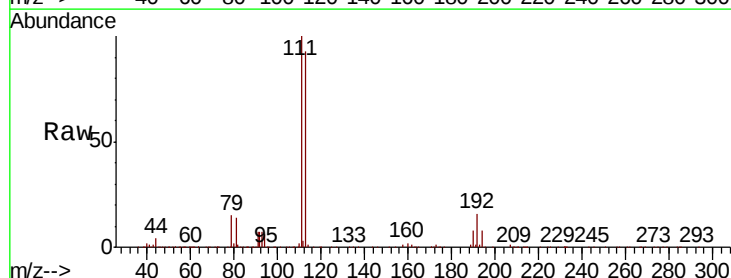
Tgt Ion:113 Resp: 368603

Ion Ratio Lower Upper

113 100

111 107.2 83.9 125.9

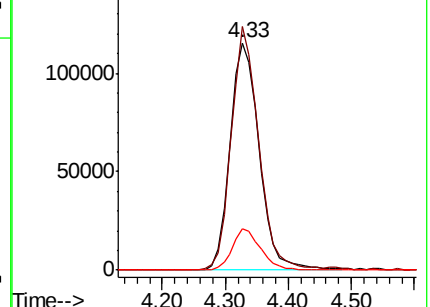
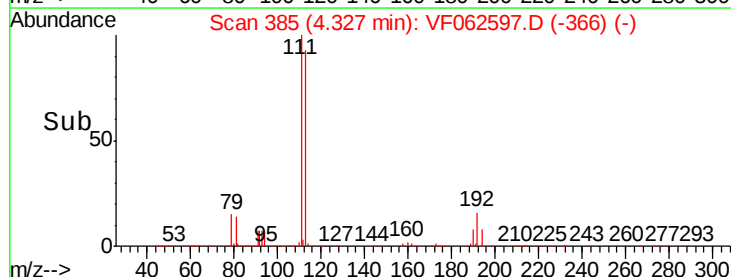
192 18.2 13.7 20.5

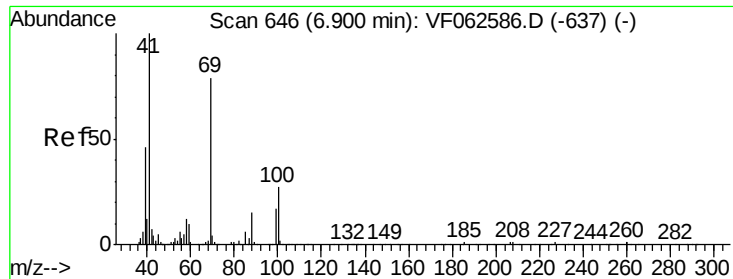


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

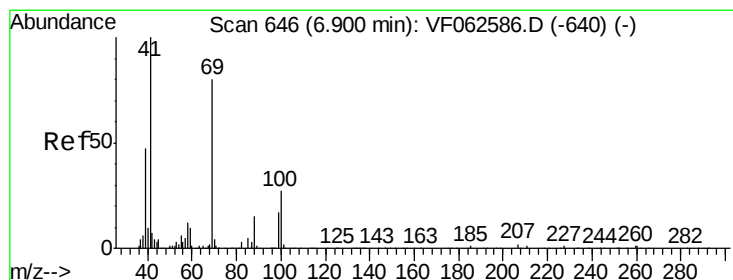
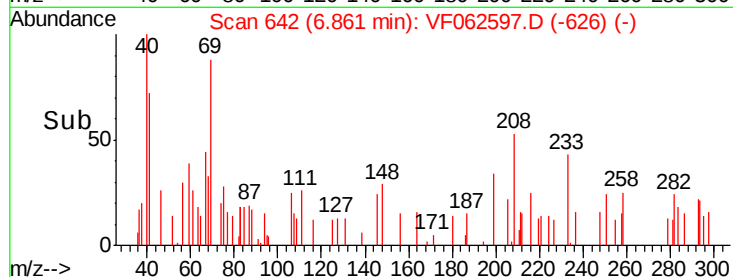
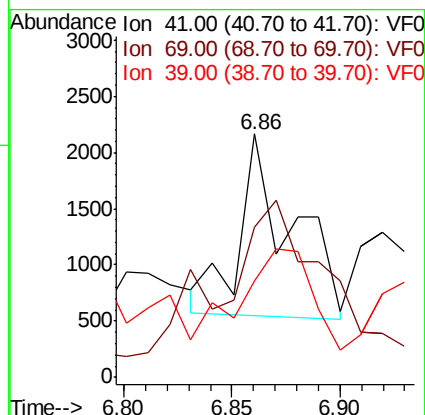
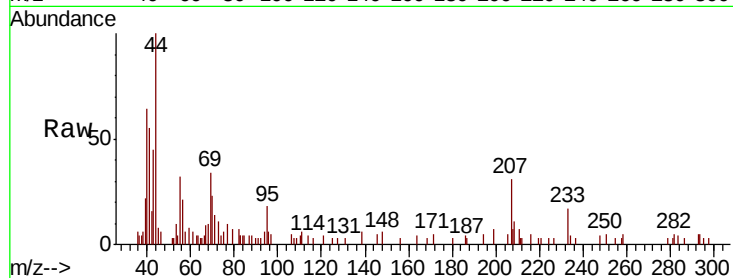




#48
Methyl methacrylate
Concen: 1.003 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.04 min
Lab File: VF062597.D
Acq: 14 May 2019 23:29

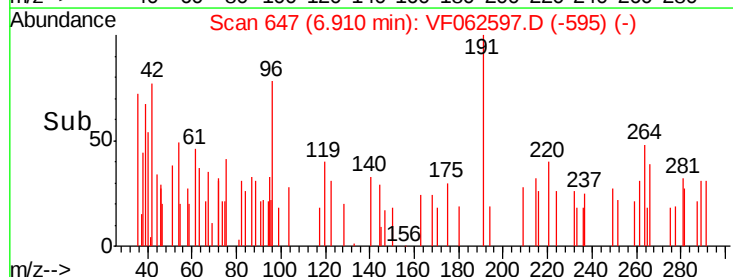
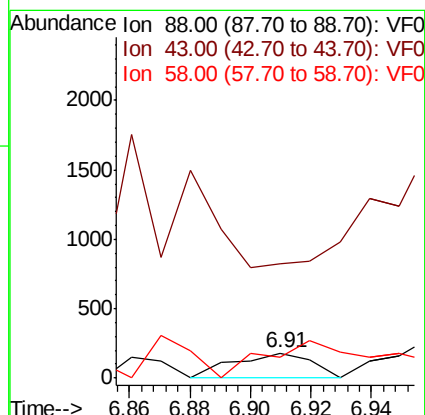
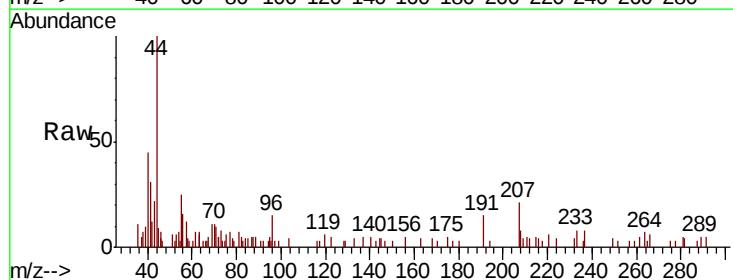
Instrument :
MSVOA_F
ClientSampled :
11-B

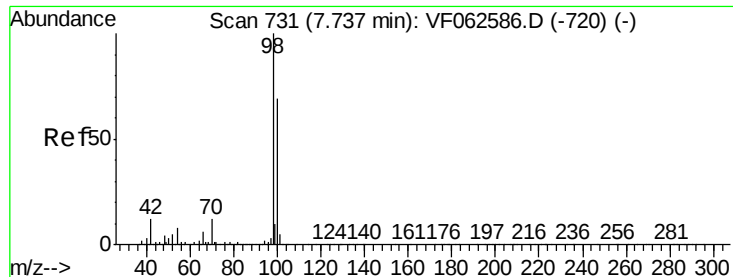
Tot Ion: 41 Resp: 2756
Ion Ratio Lower Upper
41 100
69 61.5 63.0 94.6#
39 39.8 37.6 56.4



#49
1,4-Dioxane
Concen: 9.032 ug/l
RT: 6.91 min Scan# 647
Delta R.T. 0.01 min
Lab File: VF062597.D
Acq: 14 May 2019 23:29

Tgt Ion: 88 Resp: 327
Ion Ratio Lower Upper
88 100
43 458.9 28.8 43.2#
58 85.6 60.6 90.8





#50

Toluene-d8

Concen: 37.894 ug/l

RT: 7.73 min Scan# 730

Delta R.T. -0.01 min

Lab File: VF062597.D

Acq: 14 May 2019 23:29

Instrument :

MSVOA_F

ClientSampled :

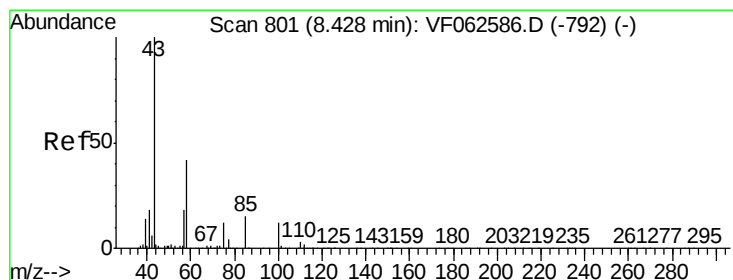
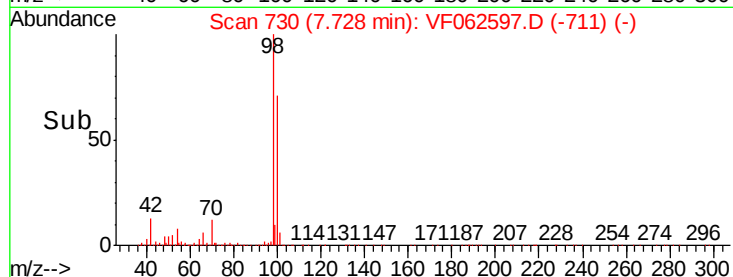
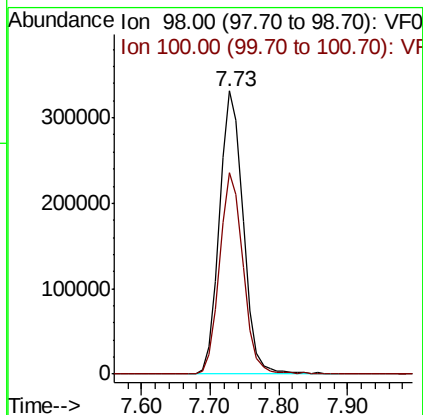
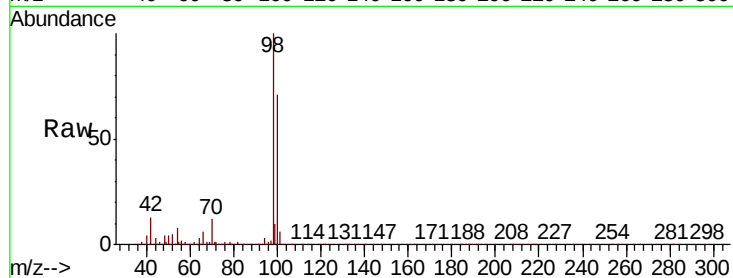
11-B

Tot Ion: 98 Resp: 792808

Ion Ratio Lower Upper

98 100

100 71.1 55.4 83.0



#51

4-Methyl-2-Pentanone

Concen: 3.301 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF062597.D

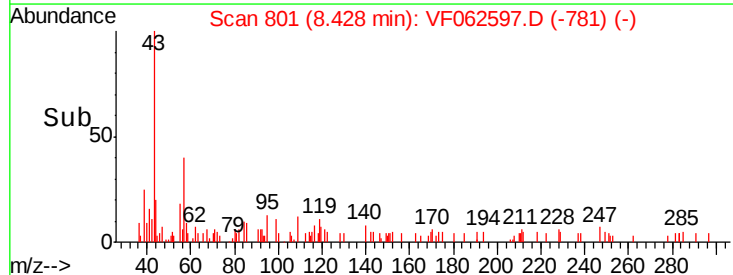
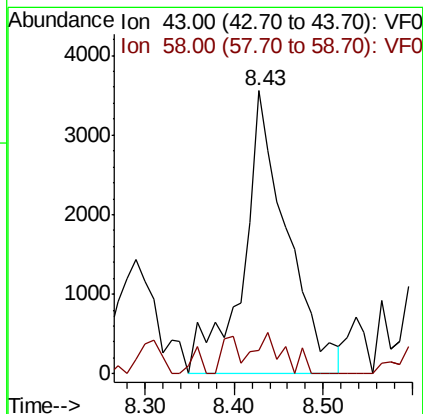
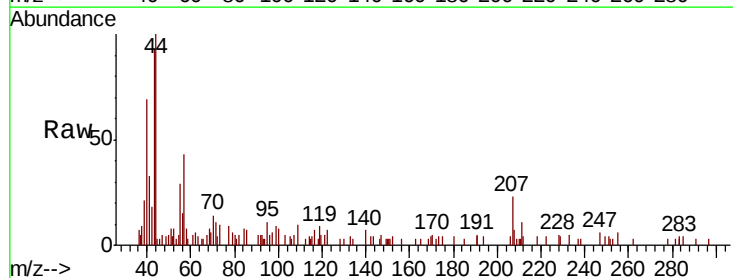
Acq: 14 May 2019 23:29

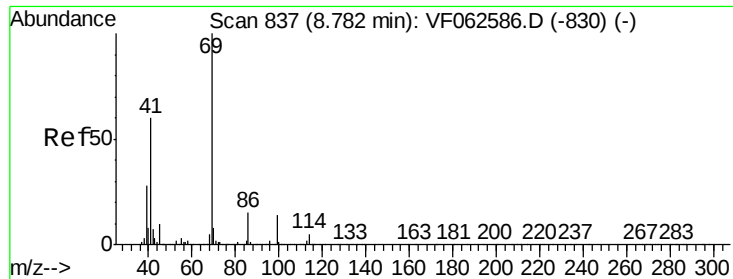
Tgt Ion: 43 Resp: 12140

Ion Ratio Lower Upper

43 100

58 8.2 33.6 50.4#





#56

Ethyl methacrylate

Concen: 1.200 ug/l

RT: 8.78 min Scan# 837

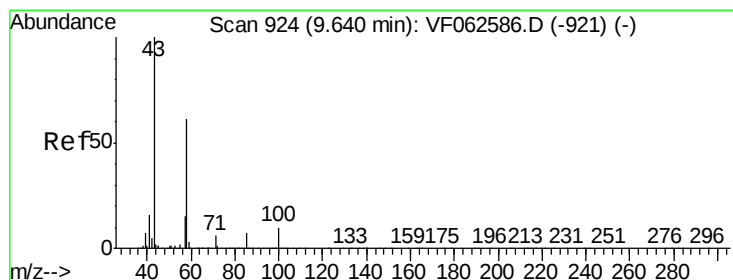
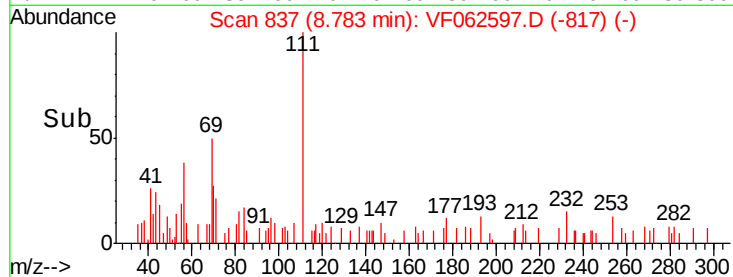
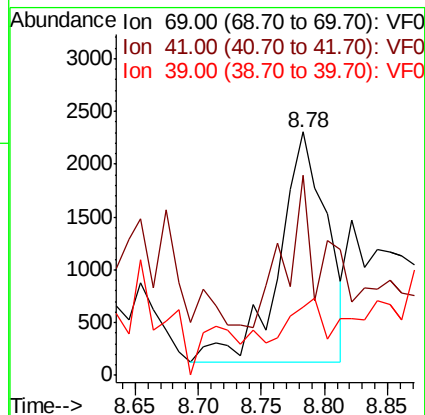
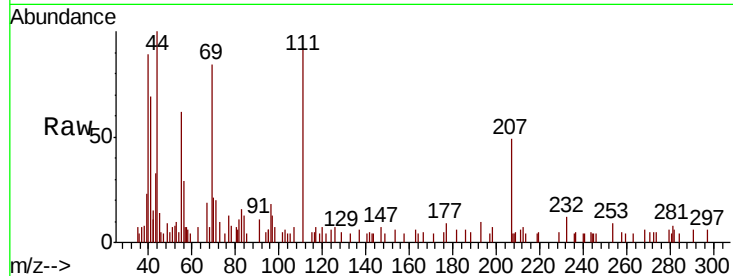
Delta R.T. 0.00 min

Lab File: VF062597.D

Acq: 14 May 2019 23:29

Instrument :
MSVOA_F
ClientSampled :
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Tot Ion:	69.00	Resp:	5806
Ion	Ratio	Lower	Upper
69	100		
41	82.2	48.1	72.1#
39	27.9	22.5	33.7



#59

2-Hexanone

Concen: 1.429 ug/l

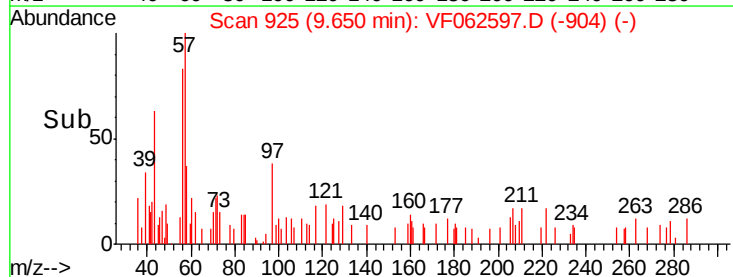
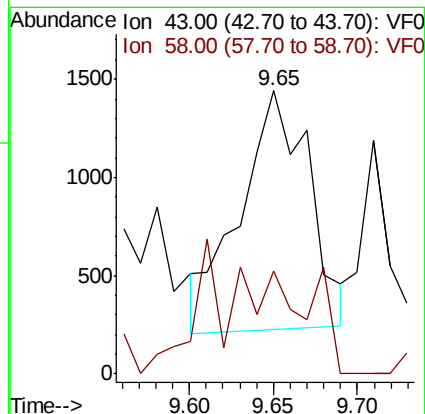
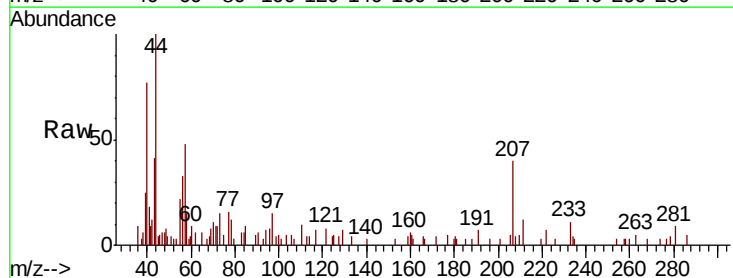
RT: 9.65 min Scan# 925

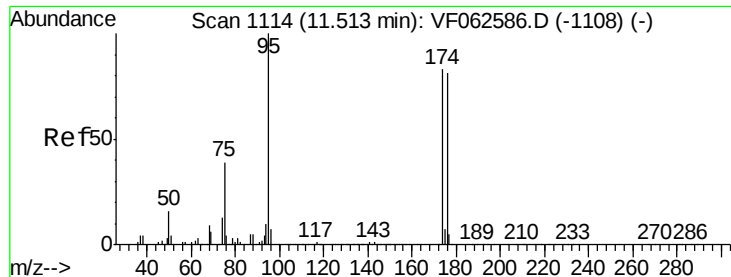
Delta R.T. 0.01 min

Lab File: VF062597.D

Acq: 14 May 2019 23:29

Tgt Ion:	43.00	Resp:	3470
Ion	Ratio	Lower	Upper
43	100		
58	36.5	28.7	86.3





#62

4-Bromofluorobenzene

Concen: 40.020 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF062597.D

Acq: 14 May 2019 23:29

Instrument :

MSVOA_F

ClientSampleId :

11-B

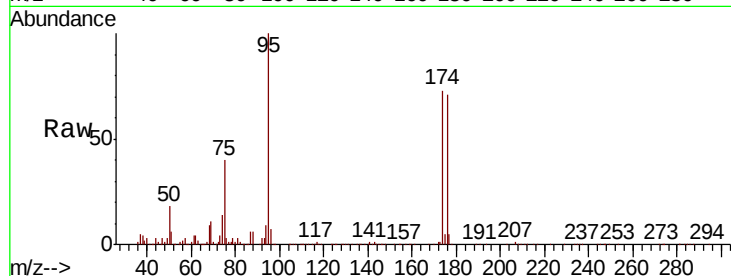
Tot Ion: 95 Resp: 292412

Ion Ratio Lower Upper

95 100

174 72.7 0.0 166.6

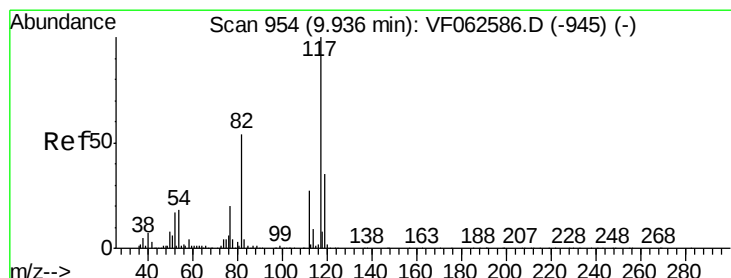
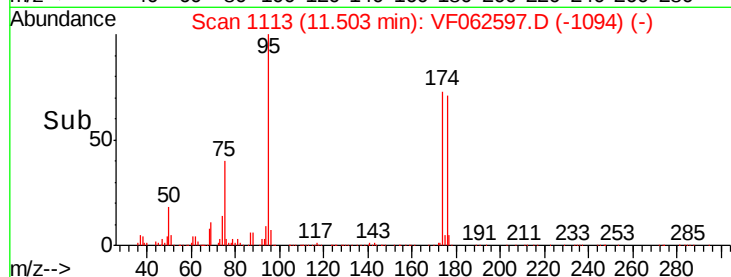
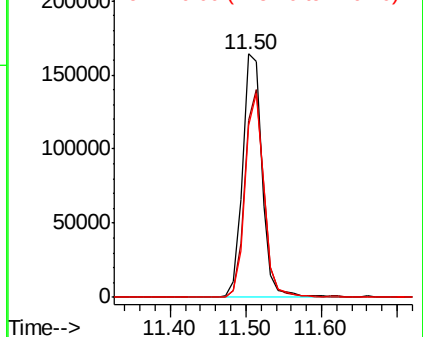
176 70.8 0.0 161.8



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.93 min Scan# 953

Delta R.T. -0.01 min

Lab File: VF062597.D

Acq: 14 May 2019 23:29

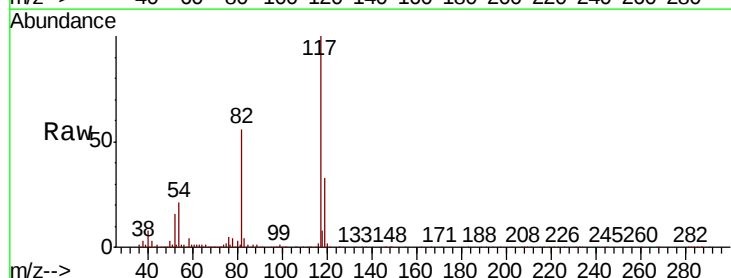
Tgt Ion: 117 Resp: 902165

Ion Ratio Lower Upper

117 100

82 56.0 43.4 65.0

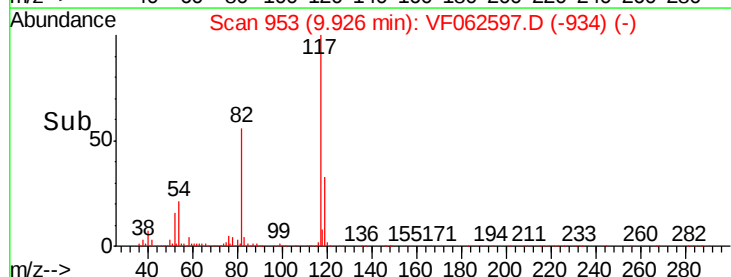
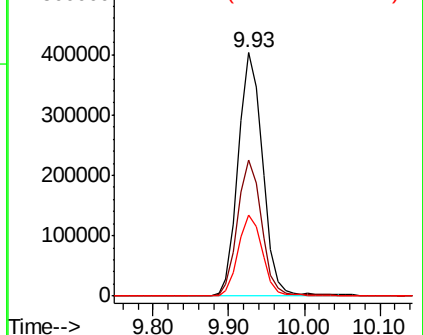
119 33.2 27.7 41.5

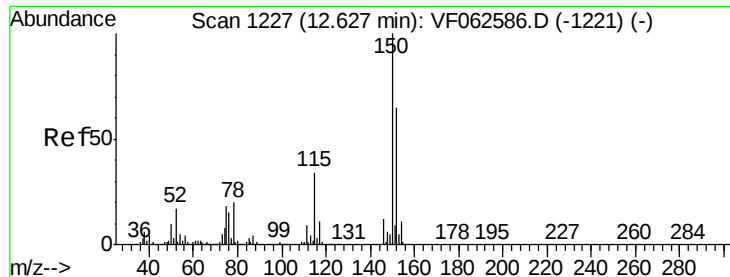


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VF062597.D

Acq: 14 May 2019 23:29

Instrument :

MSVOA_F

ClientSampleId :

11-B

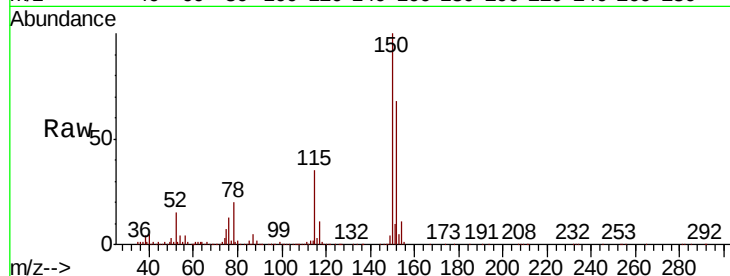
Tot Ion:152 Resp: 429250

Ion Ratio Lower Upper

152 100

115 50.8 26.2 78.6

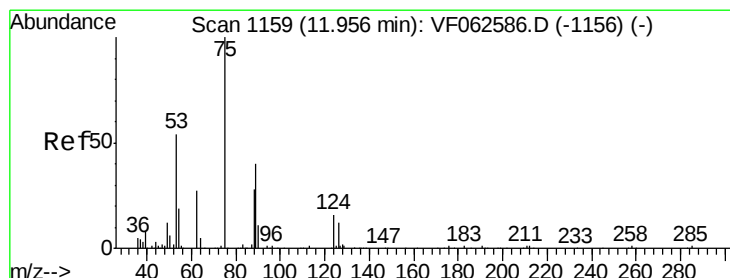
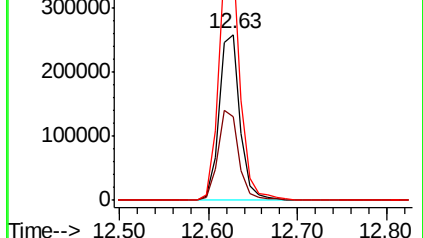
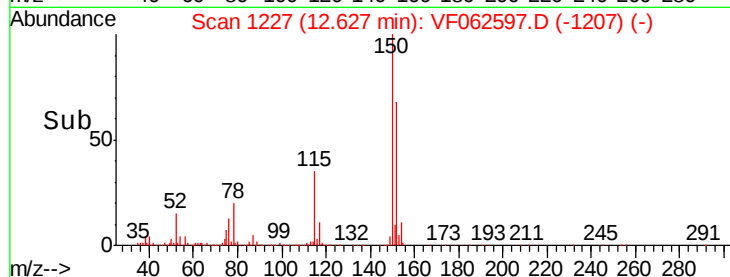
150 146.7 0.0 316.0



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



#81

trans-1,4-Dichloro-2-butene

Concen: 1.006 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VF062597.D

Acq: 14 May 2019 23:29

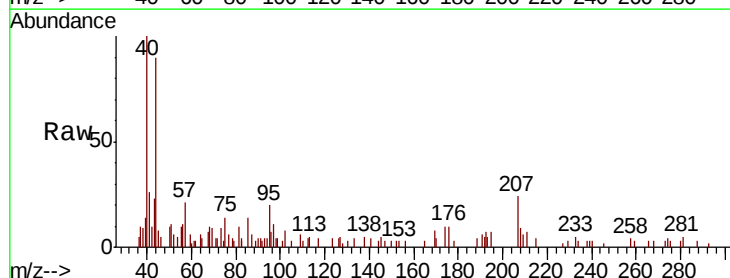
Tgt Ion: 75 Resp: 1625

Ion Ratio Lower Upper

75 100

53 0.0 46.6 70.0#

89 19.1 33.8 50.8#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0

