

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF043019\
 Data File : VF062332.D
 Acq On : 30 Apr 2019 14:28
 Operator : FY/SY
 Sample : VF0430SBL01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 01 02:52:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 08:40:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	339952	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.77	114	469530	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.90	117	383194	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	255049	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	148880	54.07	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	108.14%	
35) Dibromofluoromethane	4.31	113	183587	52.73	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	105.46%	
50) Toluene-d8	7.71	98	411411	48.38	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	96.76%	
62) 4-Bromofluorobenzene	11.49	95	198844	56.73	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	113.46%	

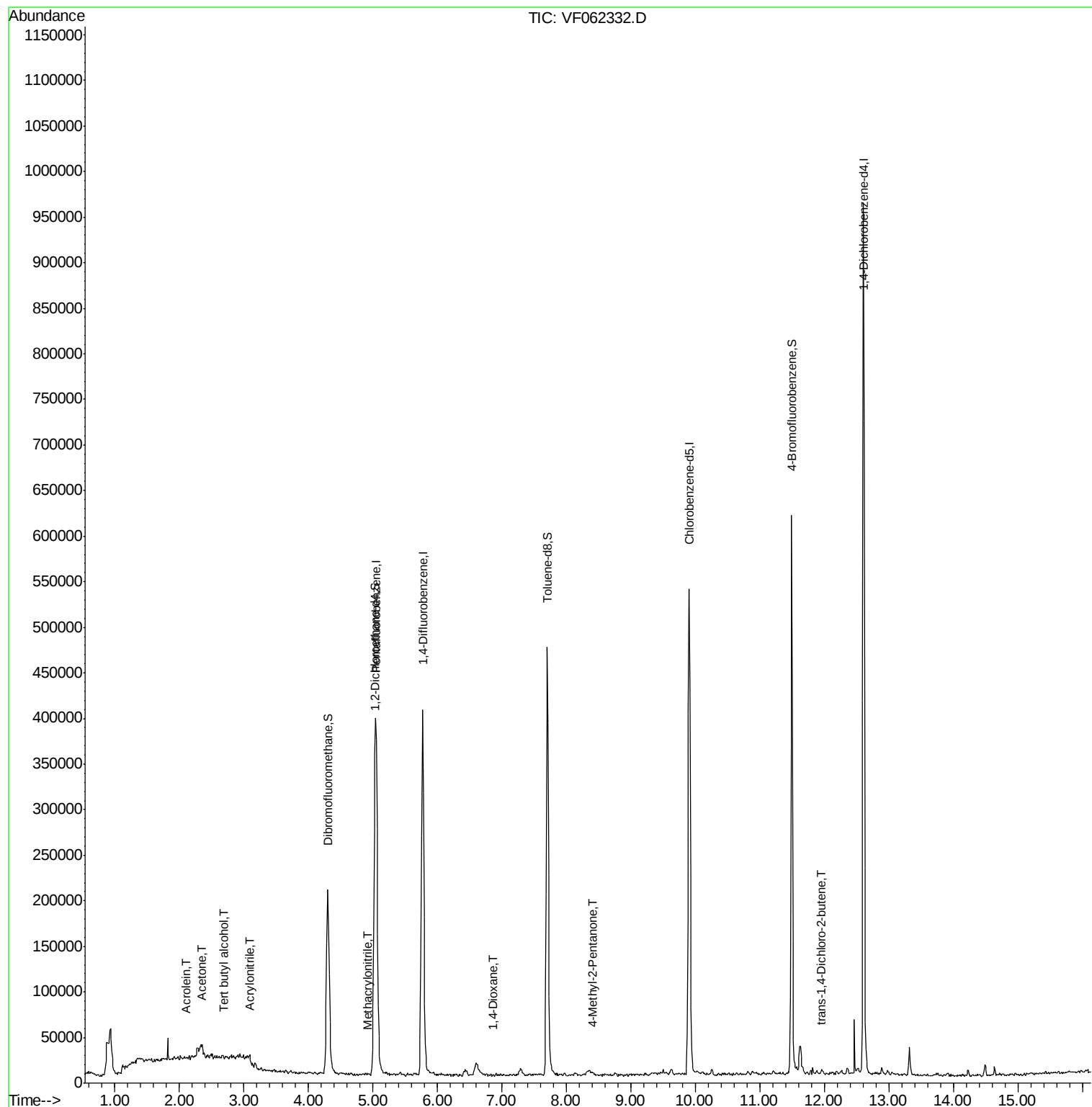
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.70	59	897	5.385	ug/l #	74
13) Acrolein	2.10	56	1237	15.909	ug/l	92
15) Acrylonitrile	3.10	53	662	1.435	ug/l #	15
16) Acetone	2.35	43	3755	6.091	ug/l #	82
20) Methylene Chloride	2.33	84	9707	Below Cal		96
41) Methacrylonitrile	4.93	41	1373	1.356	ug/l #	22
49) 1,4-Dioxane	6.88	88	75	4.878	ug/l #	1
51) 4-Methyl-2-Pentanone	8.41	43	3209	2.235	ug/l #	87
59) 2-Hexanone	9.63	43	3296	Below Cal		94
81) trans-1,4-Dichloro-2-buten	11.95	75	911	1.035	ug/l #	7

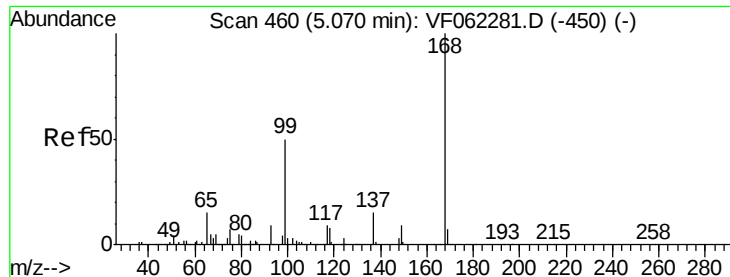
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF043019\
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ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: May 01 02:52:29 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 25 08:40:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 459

Delta R.T. -0.02 min

Lab File: VF062332.D

Acq: 30 Apr 2019 14:28

Instrument :

MSVOA_F

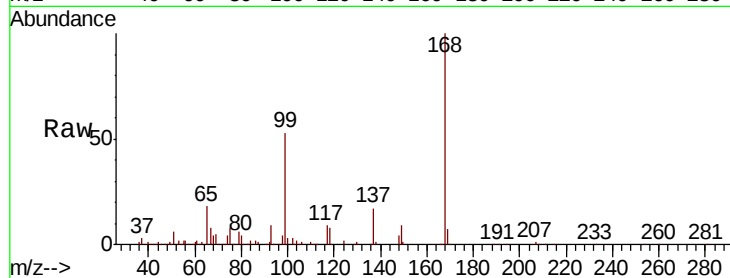
ClientSampled :

Tot Ion:168 Resp: 339952

Ion Ratio Lower Upper

168 100

99 52.7 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0

5.05

120000

100000

80000

60000

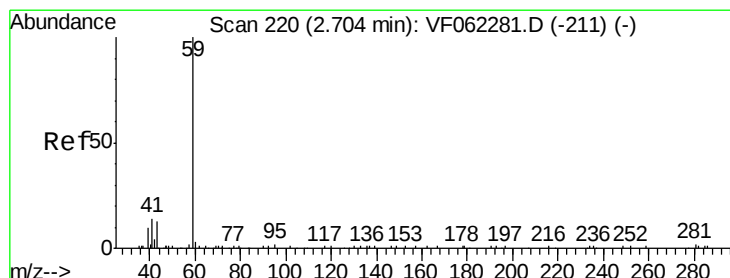
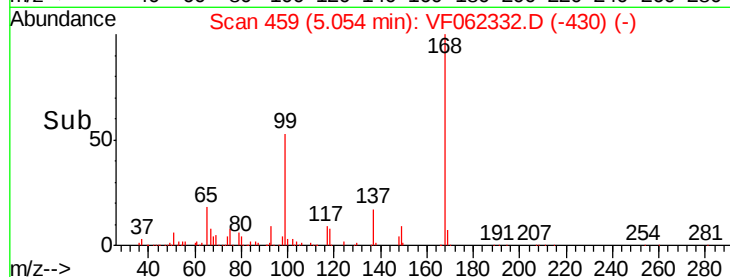
40000

20000

0

Time-->

5.00 5.20



#11

Tert butyl alcohol

Concen: 5.385 ug/l

RT: 2.70 min Scan# 220

Delta R.T. -0.01 min

Lab File: VF062332.D

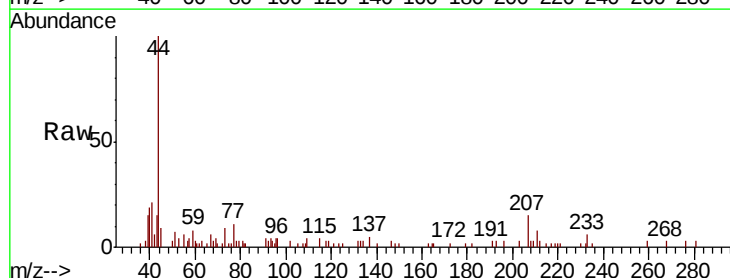
Acq: 30 Apr 2019 14:28

Tgt Ion: 59 Resp: 897

Ion Ratio Lower Upper

59 100

57 20.8 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.70

500

400

300

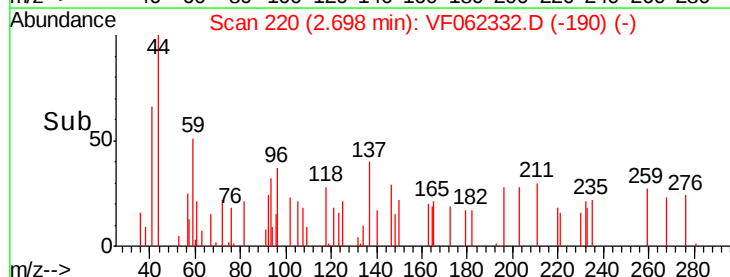
200

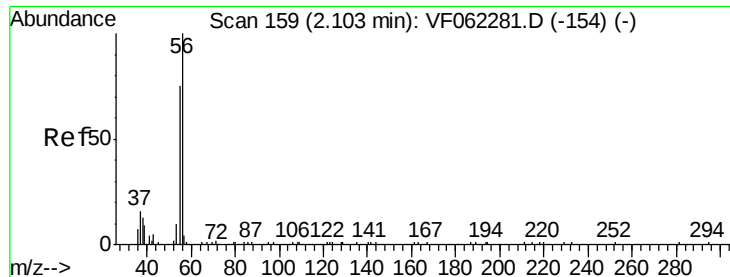
100

0

Time-->

2.65 2.70 2.75





#13

Acrolein

Concen: 15.909 ug/l

RT: 2.10 min Scan# 159

Delta R.T. -0.00 min

Lab File: VF062332.D

Acq: 30 Apr 2019 14:28

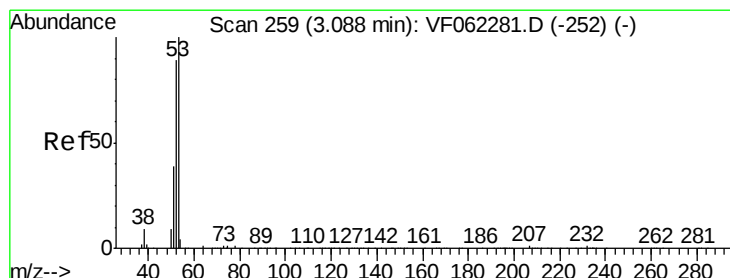
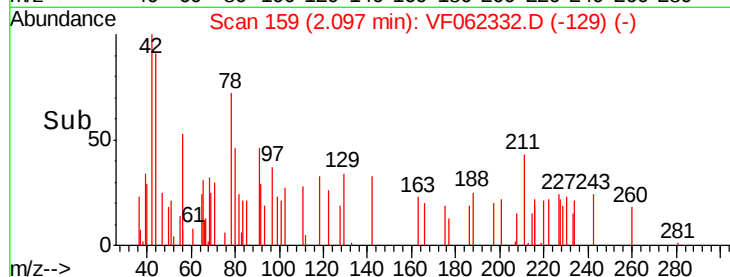
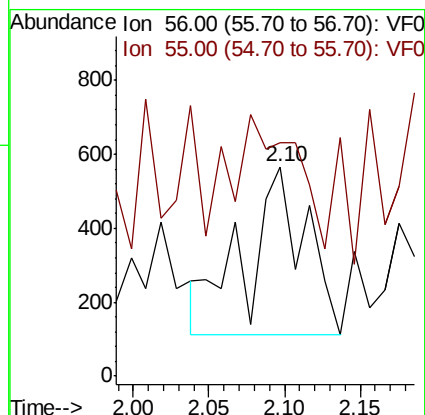
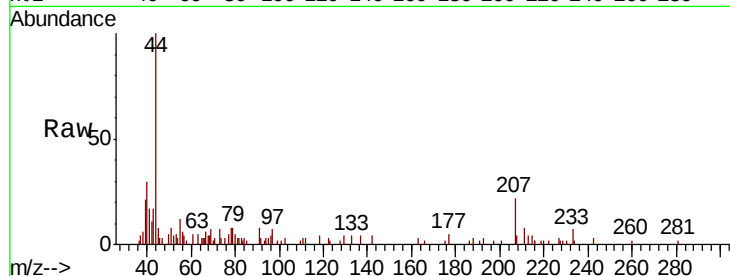
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 1237

Ion Ratio Lower Upper

56 100

55 85.0 62.3 93.5



#15

Acrylonitrile

Concen: 1.435 ug/l

RT: 3.10 min Scan# 261

Delta R.T. 0.01 min

Lab File: VF062332.D

Acq: 30 Apr 2019 14:28

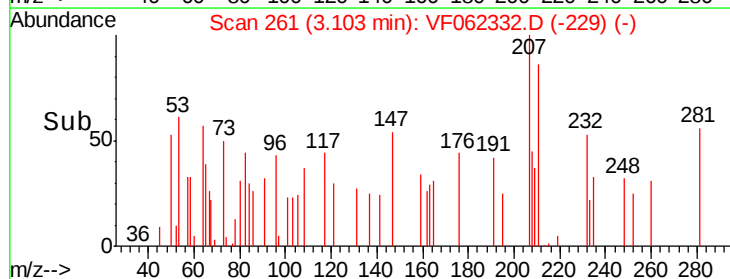
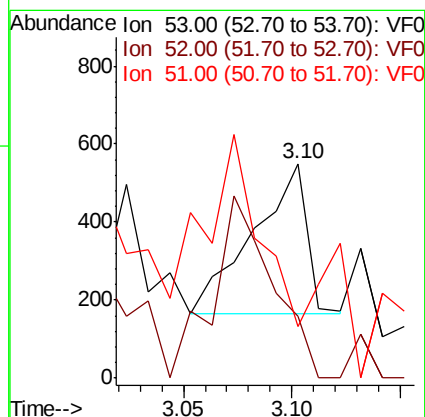
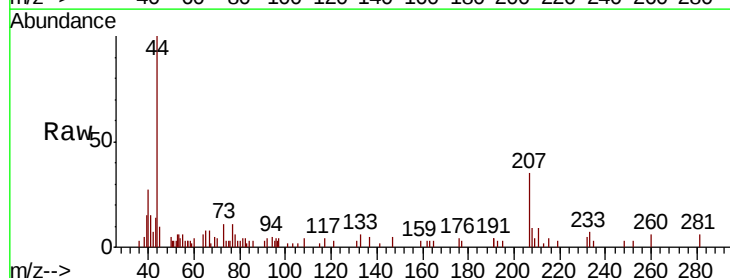
Tgt Ion: 53 Resp: 662

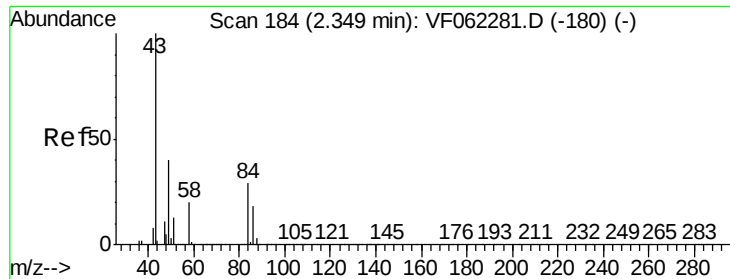
Ion Ratio Lower Upper

53 100

52 0.0 70.6 105.8#

51 0.0 32.6 48.8#

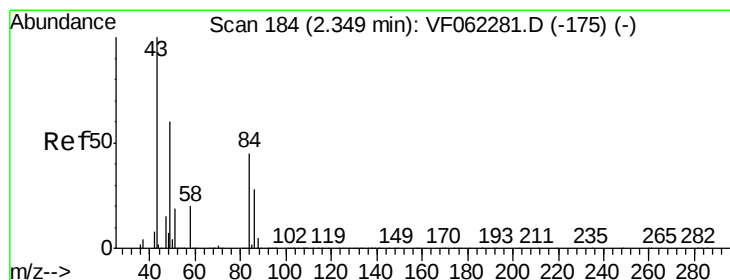
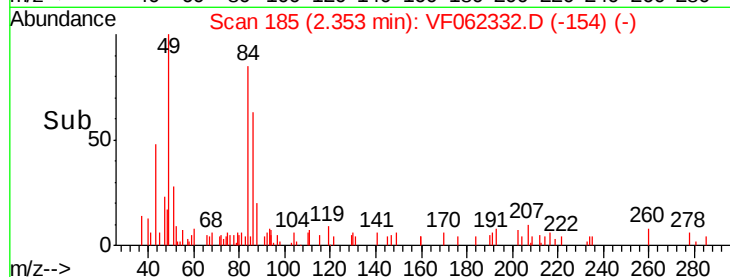
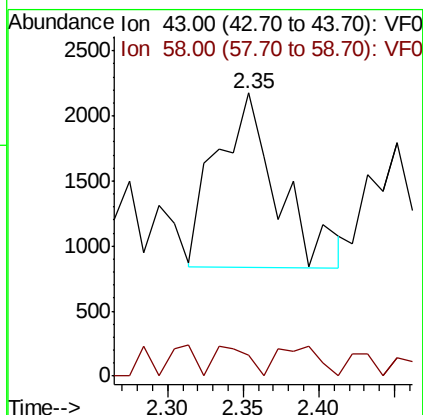
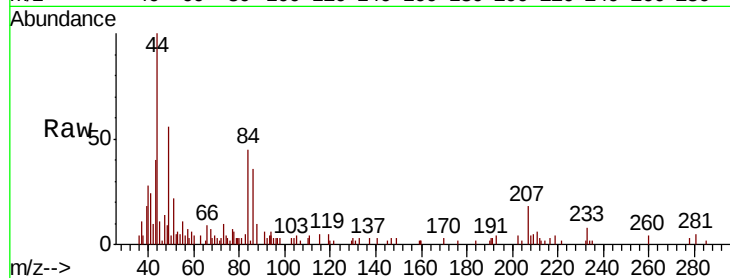




#16
Acetone
Concen: 6.091 ug/l
RT: 2.35 min Scan# 185
Delta R.T. 0.00 min
Lab File: VF062332.D
Acq: 30 Apr 2019 14:28

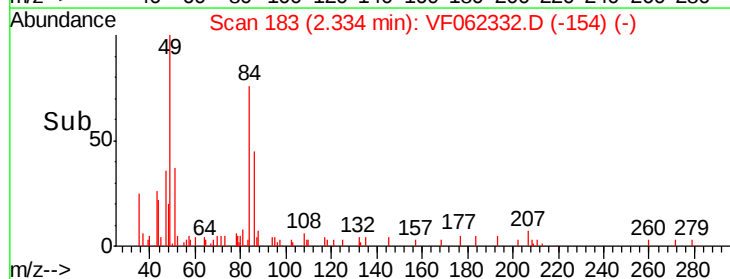
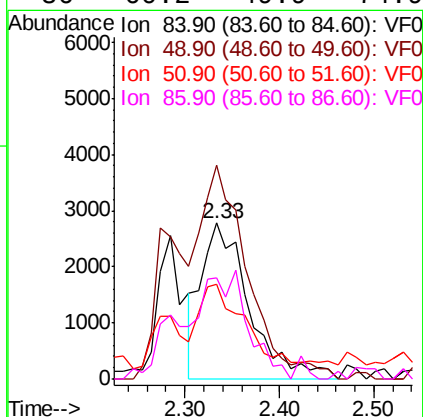
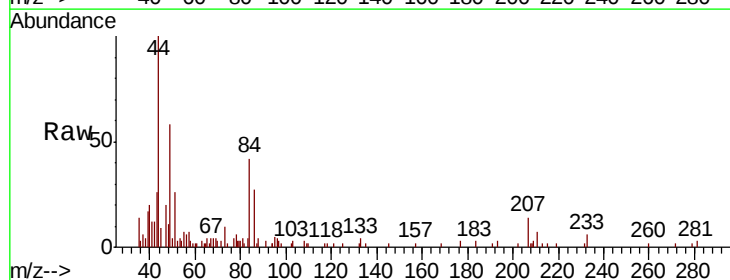
Instrument :
MSVOA_F
ClientSampleId :

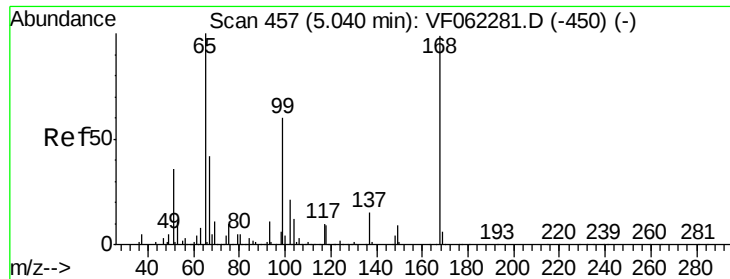
Tot Ion: 43 Resp: 3755
Ion Ratio Lower Upper
43 100
58 12.4 16.4 24.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.33 min Scan# 183
Delta R.T. -0.02 min
Lab File: VF062332.D
Acq: 30 Apr 2019 14:28

Tgt Ion: 84 Resp: 9707
Ion Ratio Lower Upper
84 100
49 137.0 112.1 168.1
51 51.8 35.9 53.9
86 60.2 49.9 74.9

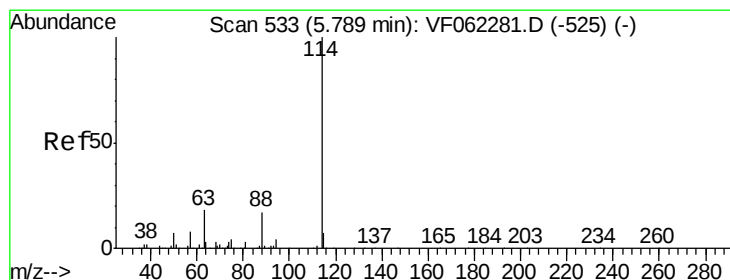
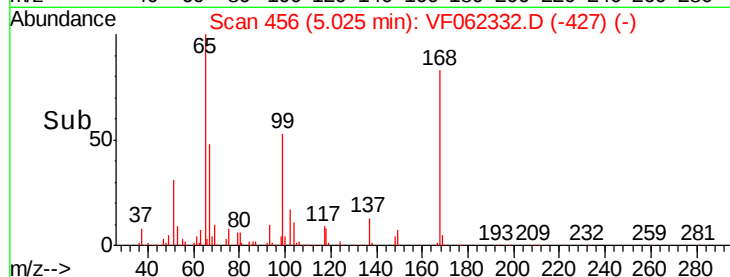
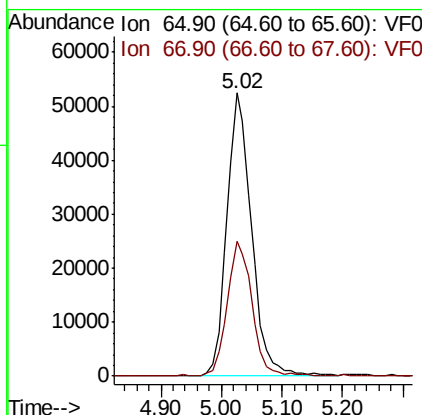
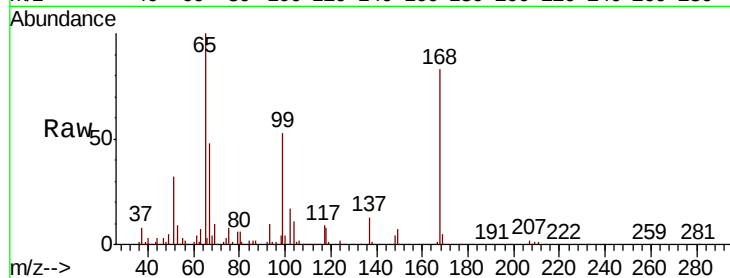




#33
 1,2-Dichloroethane-d4
 Concen: 54.066 ug/l
 RT: 5.02 min Scan# 456
 Delta R.T. -0.02 min
 Lab File: VF062332.D
 Acq: 30 Apr 2019 14:28

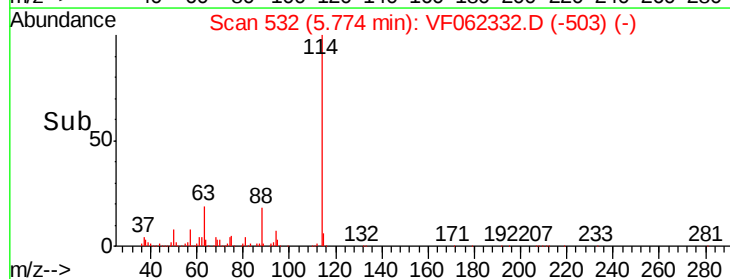
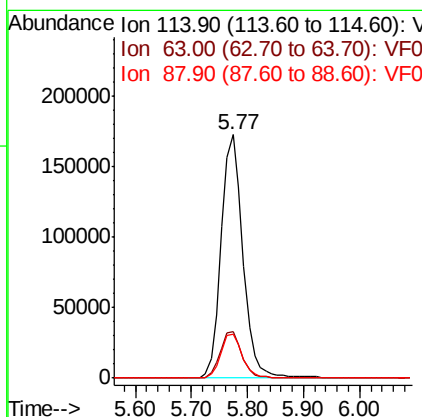
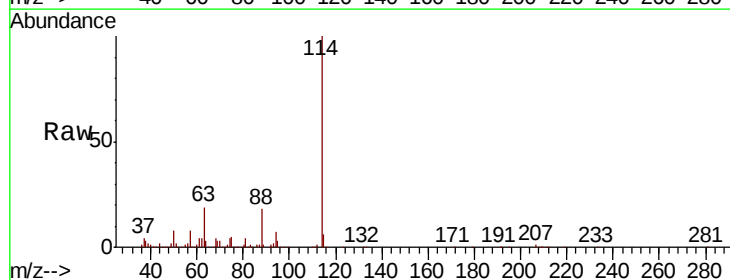
Instrument :
 MSVOA_F
 ClientSampleId :

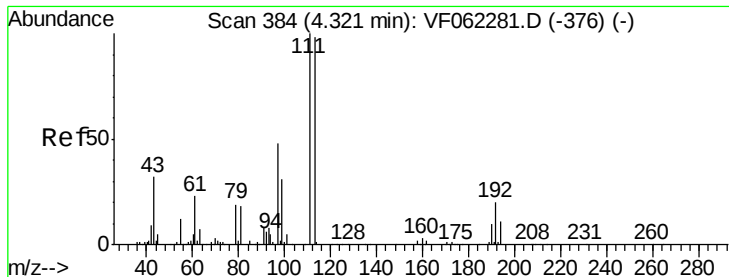
Tot Ion: 65 Resp: 148880
 Ion Ratio Lower Upper
 65 100
 67 47.8 0.0 98.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 532
 Delta R.T. -0.02 min
 Lab File: VF062332.D
 Acq: 30 Apr 2019 14:28

Tgt Ion: 114 Resp: 469530
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 35.6
 88 18.2 0.0 34.6





#35

Dibromofluoromethane

Concen: 52.735 ug/l

RT: 4.31 min Scan# 383

Delta R.T. -0.02 min

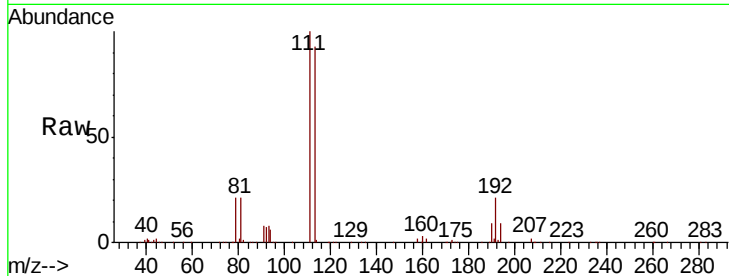
Lab File: VF062332.D

Acq: 30 Apr 2019 14:28

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:113 Resp: 183587

Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.4	122.2
192	21.4	17.0	25.4

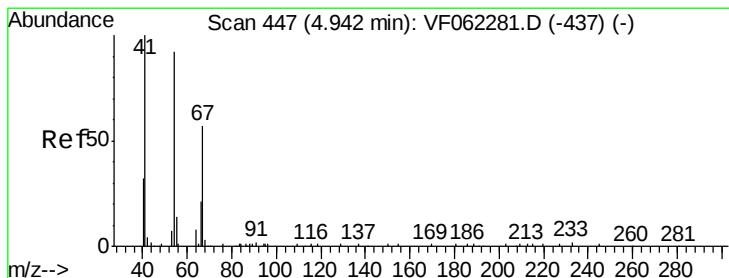
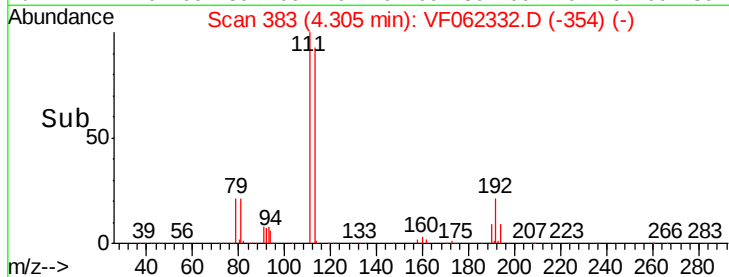
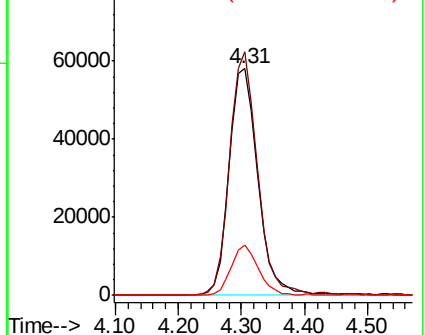


Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#41

Methacrylonitrile

Concen: 1.356 ug/l

RT: 4.93 min Scan# 446

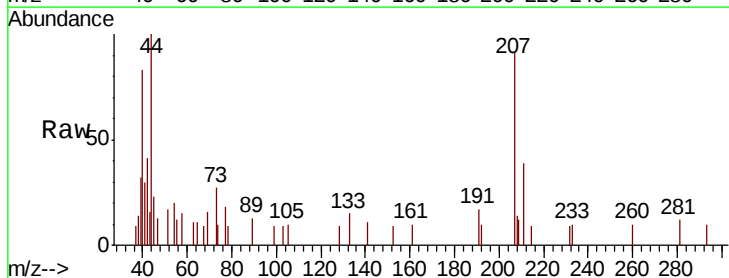
Delta R.T. -0.02 min

Lab File: VF062332.D

Acq: 30 Apr 2019 14:28

Tgt Ion: 41 Resp: 1373

Ion	Ratio	Lower	Upper
41	100		
39	0.0	47.3	70.9#
67	0.0	41.3	61.9#
52	0.0	49.4	74.2#



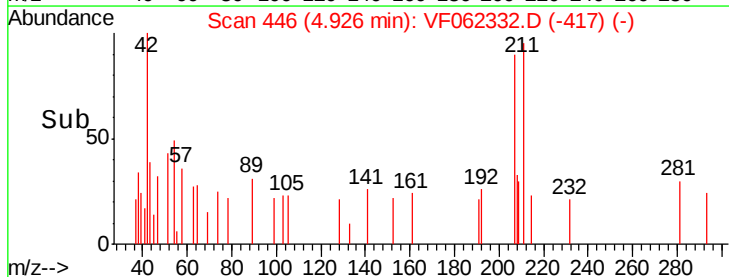
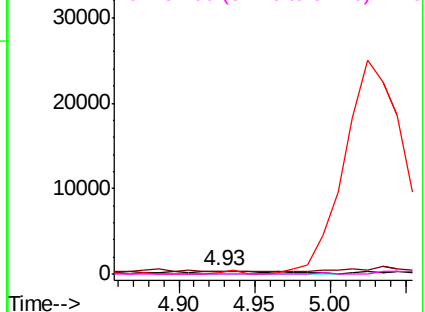
Abundance

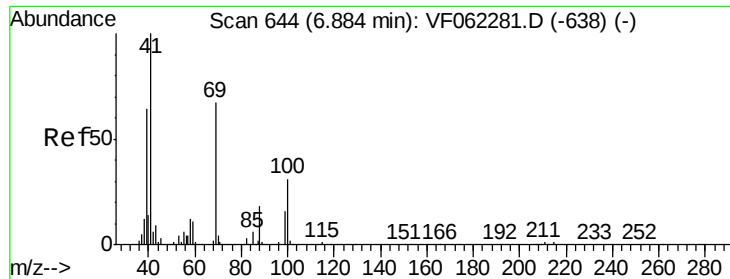
Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

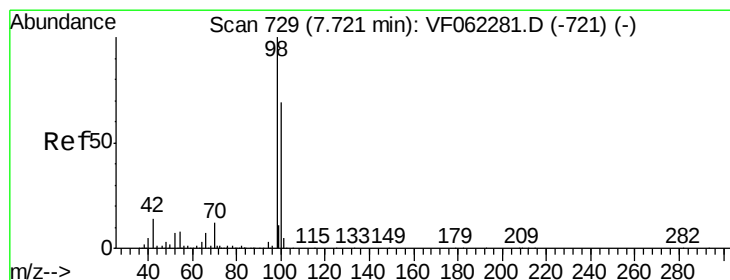
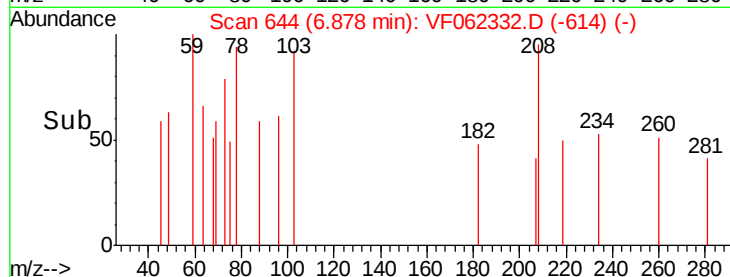
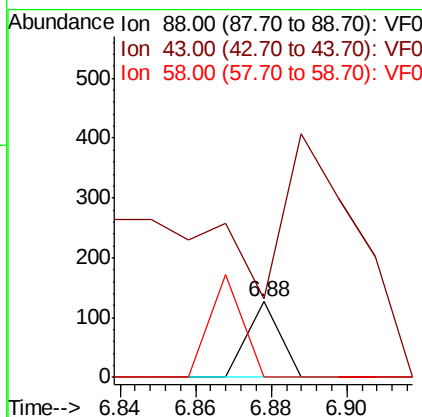
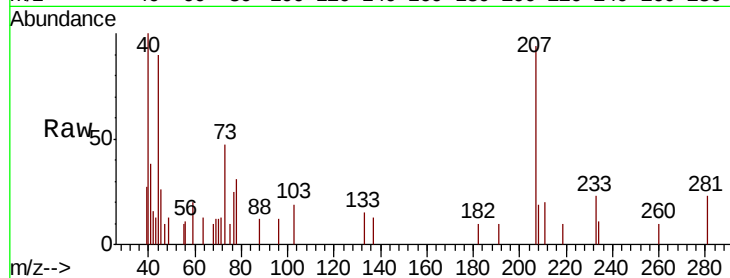




#49
 1,4-Dioxane
 Concen: 4.878 ug/l
 RT: 6.88 min Scan# 644
 Delta R.T. -0.01 min
 Lab File: VF062332.D
 Acq: 30 Apr 2019 14:28

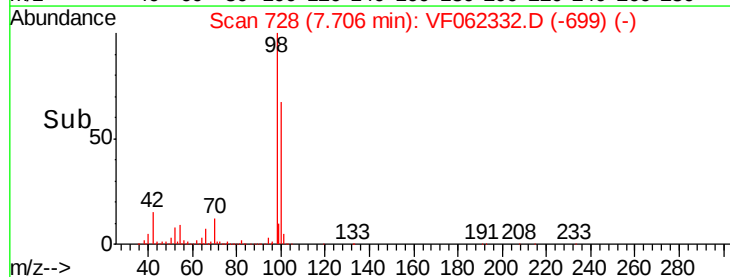
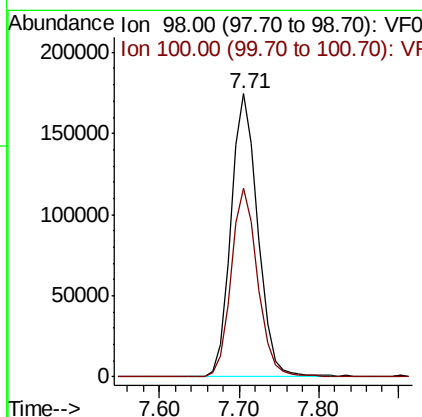
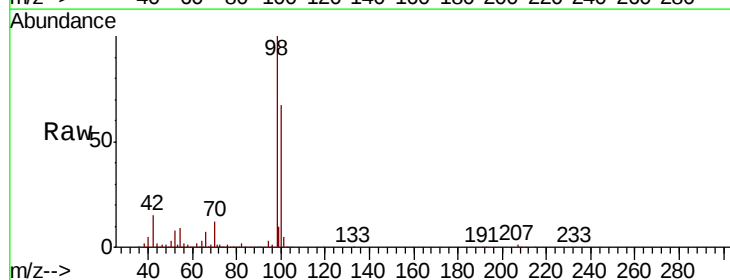
Instrument :
 MSVOA_F
 ClientSampled :

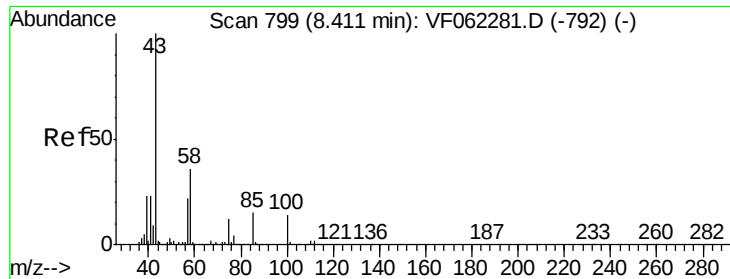
Tot Ion: 88 Resp: 75
 Ion Ratio Lower Upper
 88 100
 43 716.0 34.2 51.4#
 58 136.0 50.7 76.1#



#50
 Toluene-d8
 Concen: 48.381 ug/l
 RT: 7.71 min Scan# 728
 Delta R.T. -0.02 min
 Lab File: VF062332.D
 Acq: 30 Apr 2019 14:28

Tgt Ion: 98 Resp: 411411
 Ion Ratio Lower Upper
 98 100
 100 66.0 54.4 81.6





#51

4-Methyl-2-Pentanone

Concen: 2.235 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.01 min

Lab File: VF062332.D

Acq: 30 Apr 2019 14:28

Instrument :

MSVOA_F

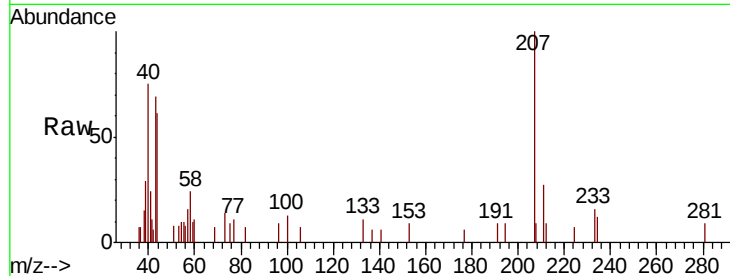
ClientSampleId :

Tot Ion: 43 Resp: 3209

Ion Ratio Lower Upper

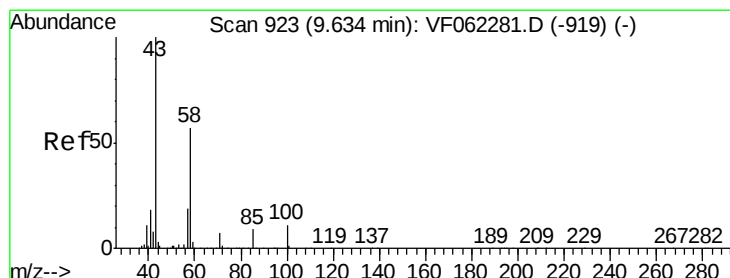
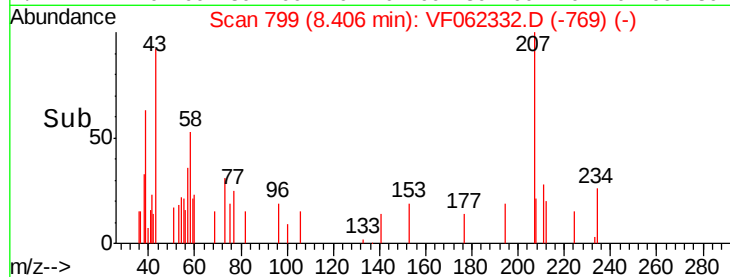
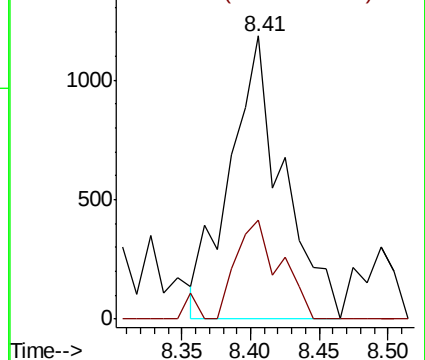
43 100

58 28.8 29.1 43.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#59

2-Hexanone

Concen: Below Cal

RT: 9.63 min Scan# 923

Delta R.T. -0.00 min

Lab File: VF062332.D

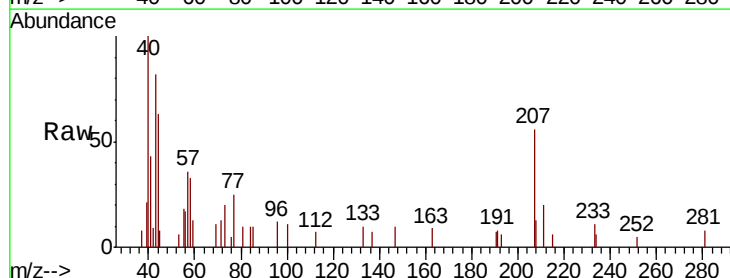
Acq: 30 Apr 2019 14:28

Tgt Ion: 43 Resp: 3296

Ion Ratio Lower Upper

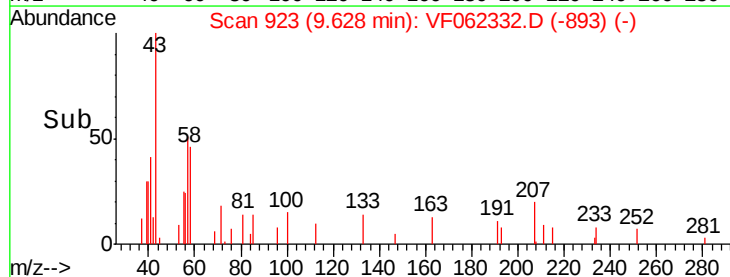
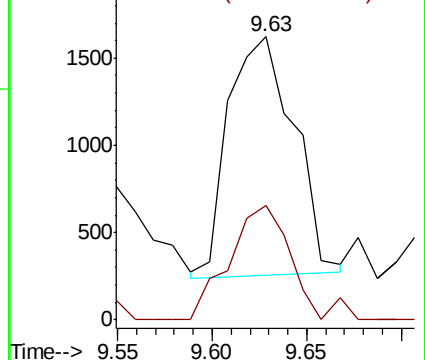
43 100

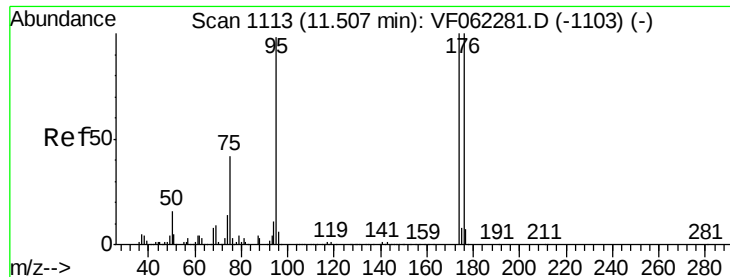
58 45.6 24.9 74.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 56.731 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.02 min

Lab File: VF062332.D

Acq: 30 Apr 2019 14:28

Instrument :

MSVOA_F

ClientSampleId :

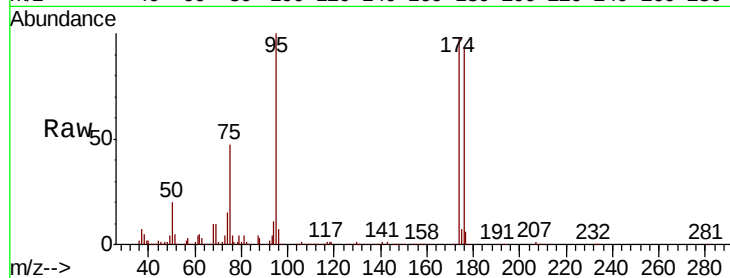
Tot Ion: 95 Resp: 198844

Ion Ratio Lower Upper

95 100

174 95.0 0.0 185.2

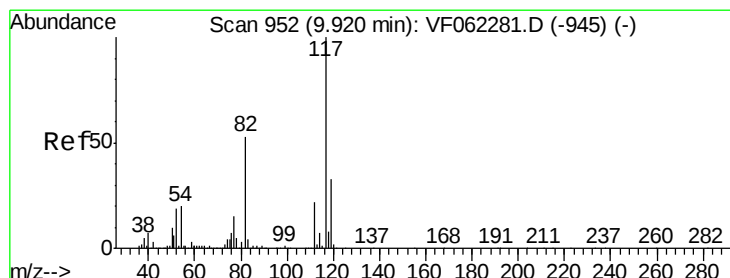
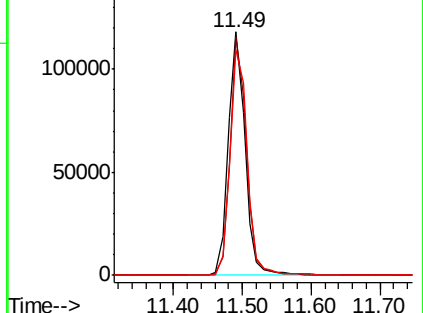
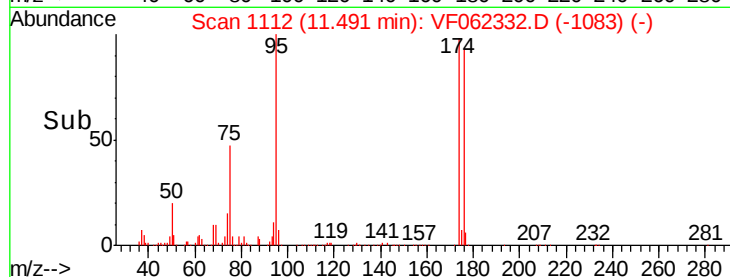
176 95.7 0.0 184.8



Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.90 min Scan# 951

Delta R.T. -0.02 min

Lab File: VF062332.D

Acq: 30 Apr 2019 14:28

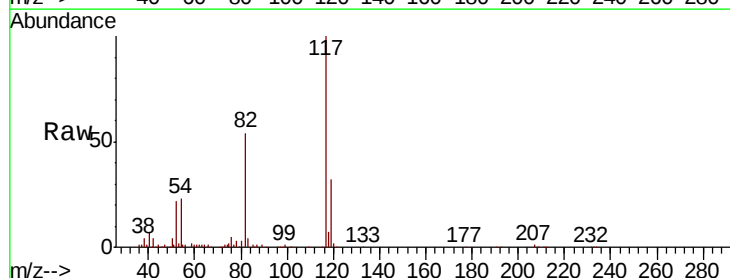
Tgt Ion: 117 Resp: 383194

Ion Ratio Lower Upper

117 100

82 53.6 42.6 64.0

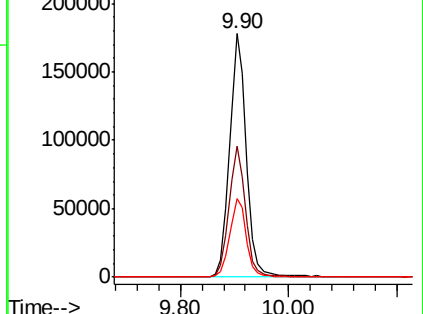
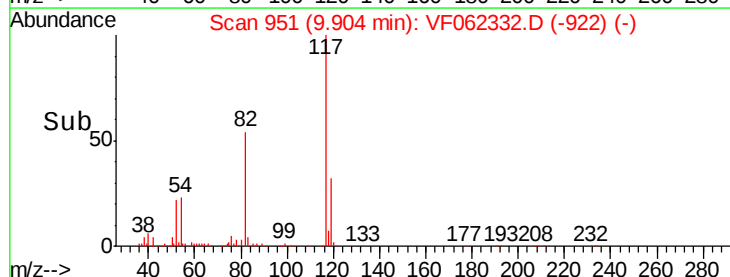
119 32.5 26.1 39.1

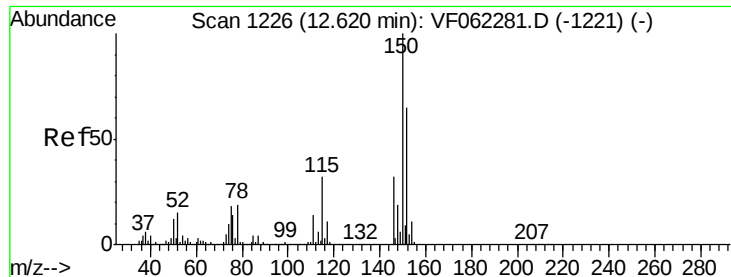


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): V



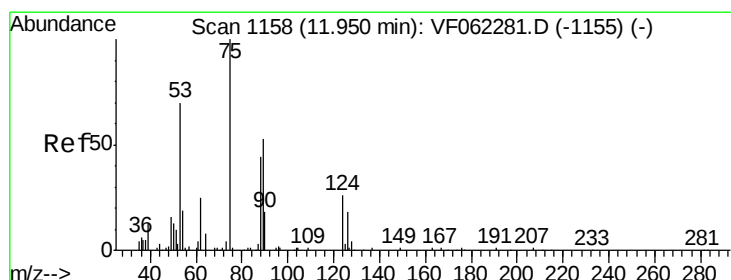
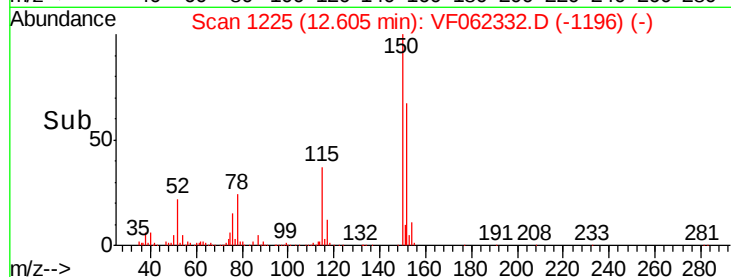
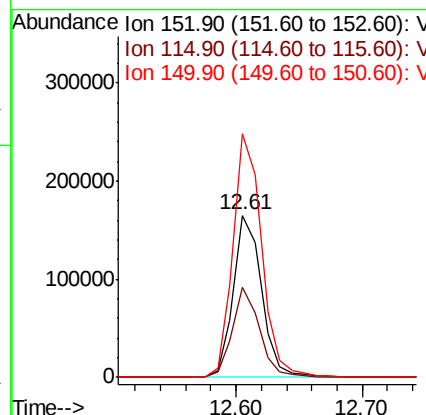
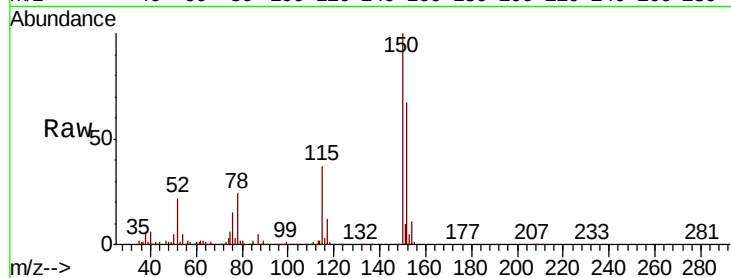


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.02 min
Lab File: VF062332.D
Acq: 30 Apr 2019 14:28

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:152 Resp: 255049
Ion Ratio Lower Upper
152 100
115 53.7 25.6 76.8
150 152.9 0.0 330.6



#81

trans-1,4-Dichloro-2-butene
Concen: 1.035 ug/l
RT: 11.95 min Scan# 1159
Delta R.T. 0.00 min
Lab File: VF062332.D
Acq: 30 Apr 2019 14:28

Tgt Ion: 75 Resp: 911
Ion Ratio Lower Upper
75 100
53 0.0 67.1 100.7#
89 23.1 0.0 0.0#

