

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF051719\
 Data File : VF062631.D
 Acq On : 17 May 2019 11:11
 Operator : FY/SY
 Sample : VF0517SBL01
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0517SBL01

Quant Time: May 17 11:34:15 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	5.07	168	897963	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1429130	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	1176306	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	518759	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	270043	42.56	ug/l	0.01
Spiked Amount 50.000			Recovery	=	85.12%	
35) Dibromofluoromethane	4.32	113	494145	45.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.38%	
50) Toluene-d8	7.72	98	1253383	48.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.00%	
62) 4-Bromofluorobenzene	11.50	95	431700	43.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.18%	

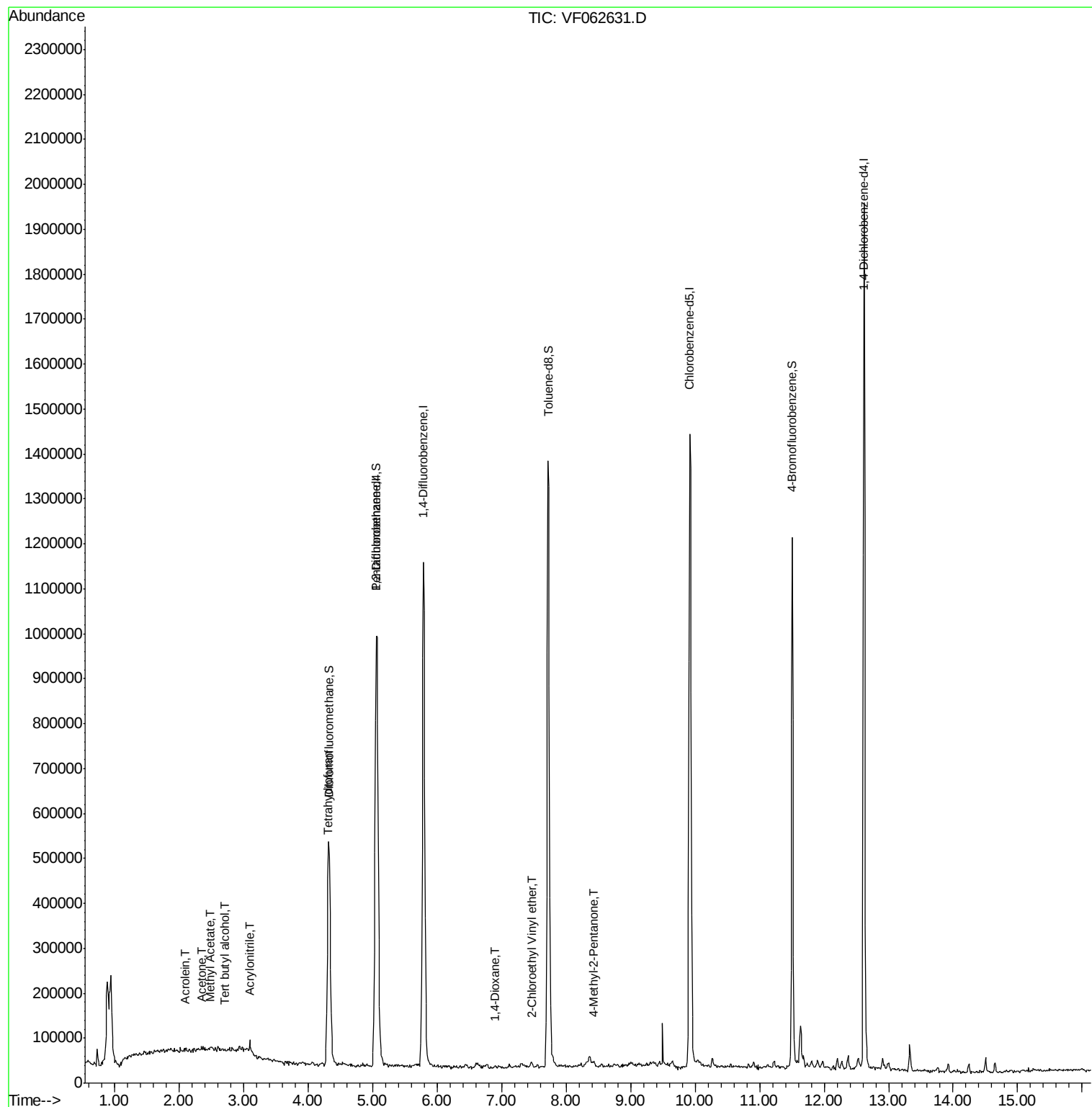
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.72	59	1959	4.676	ug/l #	1
13) Acrolein	2.10	56	2122	4.852	ug/l #	49
15) Acrylonitrile	3.11	53	4582	3.877	ug/l #	84
16) Acetone	2.35	43	9886	6.005	ug/l #	69
18) Methyl Acetate	2.48	43	4293	1.660	ug/l #	88
29) Tetrahydrofuran	4.30	42	4808	3.378	ug/l #	76
49) 1,4-Dioxane	6.90	88	772	14.887	ug/l #	46
51) 4-Methyl-2-Pentanone	8.42	43	11494	2.171	ug/l #	84
58) 2-Chloroethyl Vinyl ether	7.46	63	6703	2.790	ug/l #	88
59) 2-Hexanone	9.63	43	11507	Below Cal		73
74) N-amyl acetate	11.45	43	4908	Below Cal	#	84

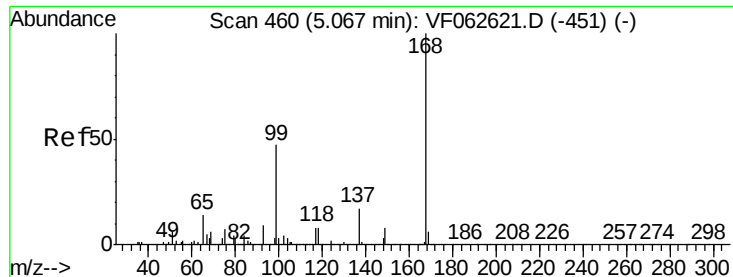
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF051719\
Data File : VF062631.D
Acq On : 17 May 2019 11:11
Operator : FY/SY
Sample : VF0517SBL01
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBL01

Quant Time: May 17 11:34:15 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: 5.07 min Scan# 460

Delta R.T. 0.00 min

Lab File: VF062631.D

Acq: 17 May 2019 11:11

Instrument :

MSVOA_F

ClientSampleId :

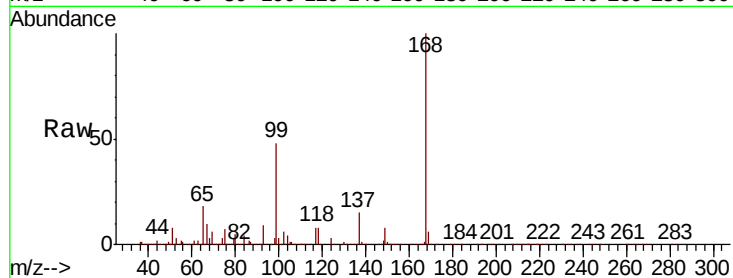
VF0517SBL01

Tgt Ion:168 Resp: 897963

Ion Ratio Lower Upper

168 100

99 48.1 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.07

300000

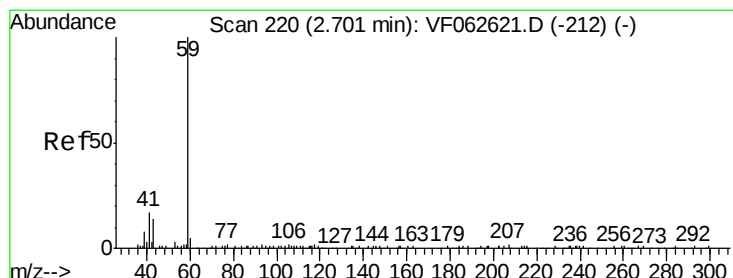
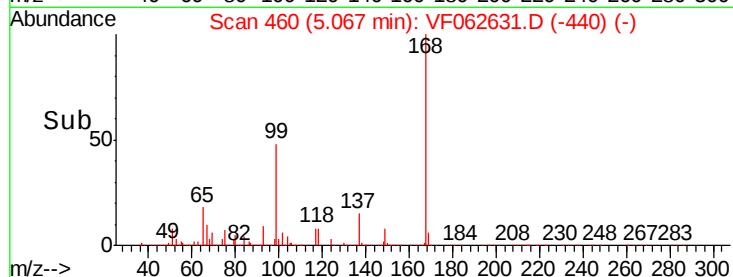
200000

100000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#11

Tert butyl alcohol

Concen: 4.676 ug/l

RT: 2.72 min Scan# 222

Delta R.T. 0.02 min

Lab File: VF062631.D

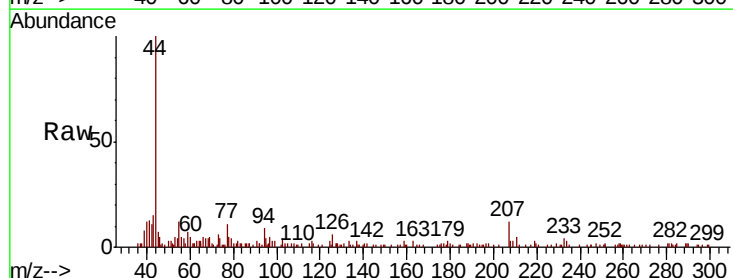
Acq: 17 May 2019 11:11

Tgt Ion: 59 Resp: 1959

Ion Ratio Lower Upper

59 100

57 51.5 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.72

1200

1000

800

600

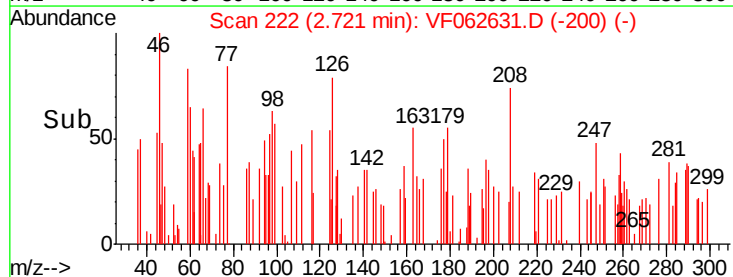
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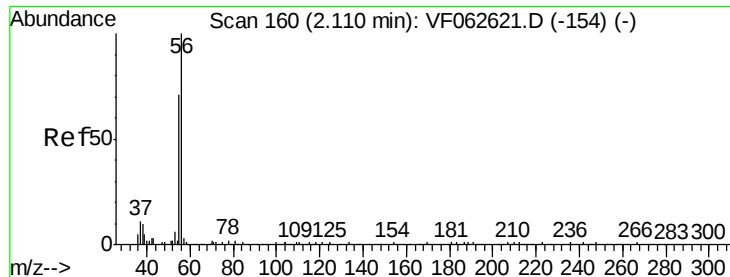
200

0

Time-->

2.65 2.70 2.75 2.80

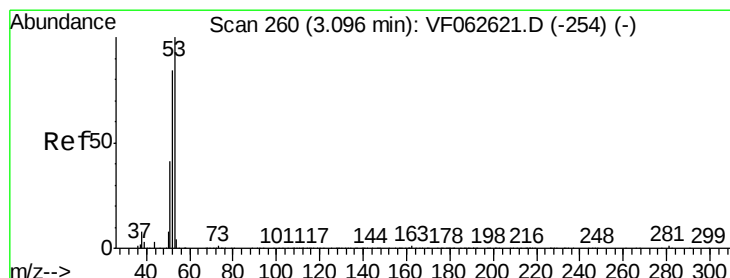
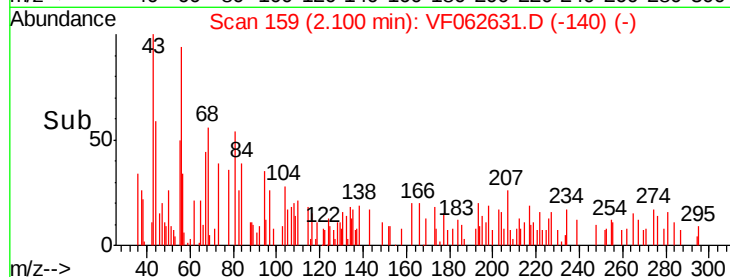
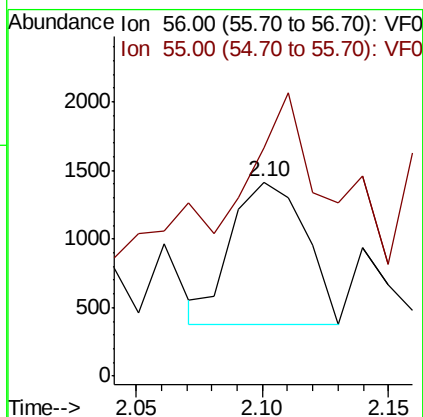
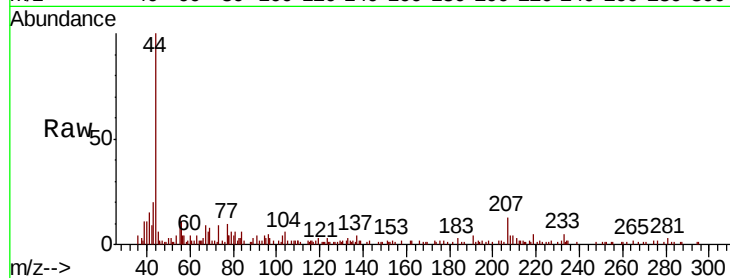




#13
Acrolein
Concen: 4.852 ug/l
RT: 2.10 min Scan# 159
Delta R.T. -0.01 min
Lab File: VF062631.D
Acq: 17 May 2019 11:11

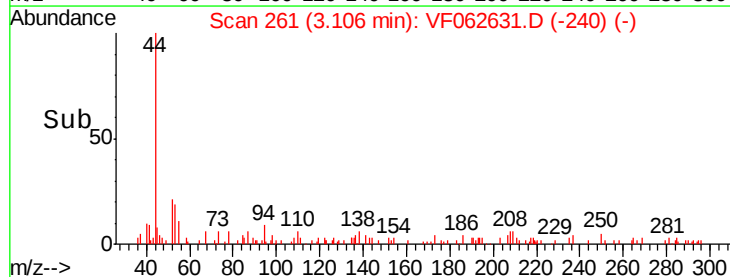
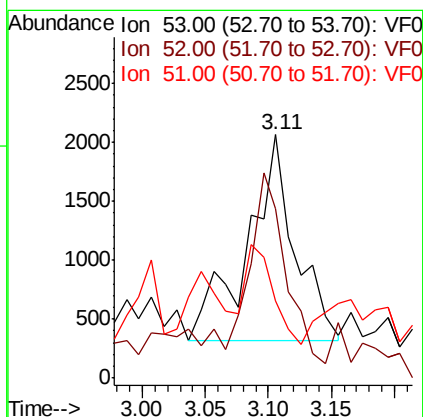
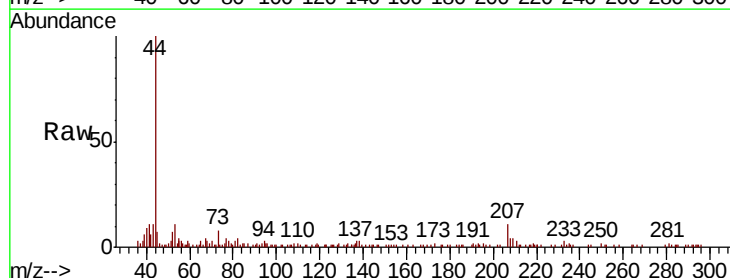
Instrument :
MSVOA_F
ClientSampleId :
VF0517SBL01

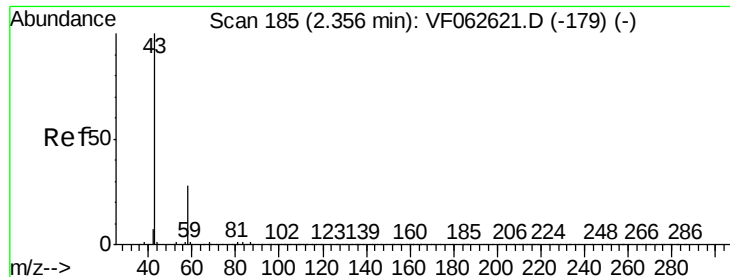
Tgt Ion: 56 Resp: 2122
Ion Ratio Lower Upper
56 100
55 117.7 59.4 89.0#



#15
Acrylonitrile
Concen: 3.877 ug/l
RT: 3.11 min Scan# 261
Delta R.T. 0.01 min
Lab File: VF062631.D
Acq: 17 May 2019 11:11

Tgt Ion: 53 Resp: 4582
Ion Ratio Lower Upper
53 100
52 69.7 67.3 100.9
51 31.5 33.0 49.6#

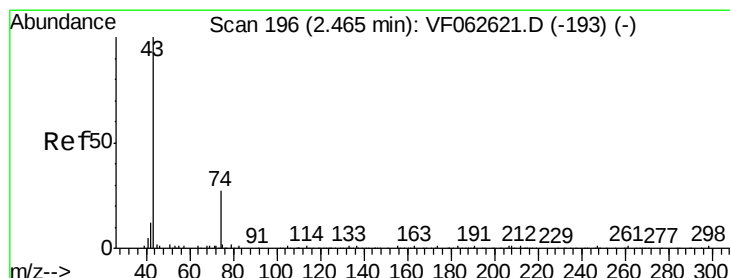
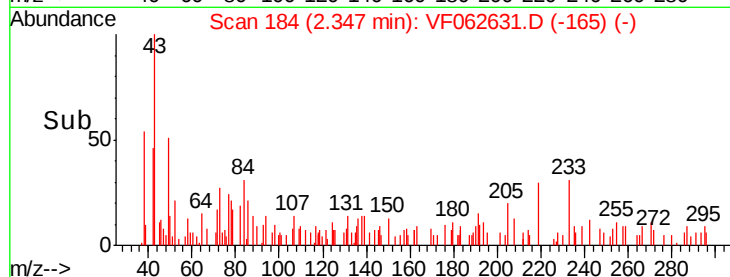
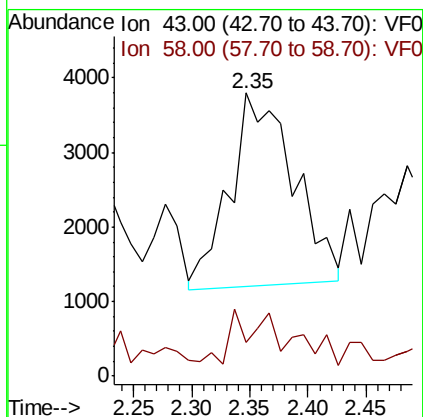
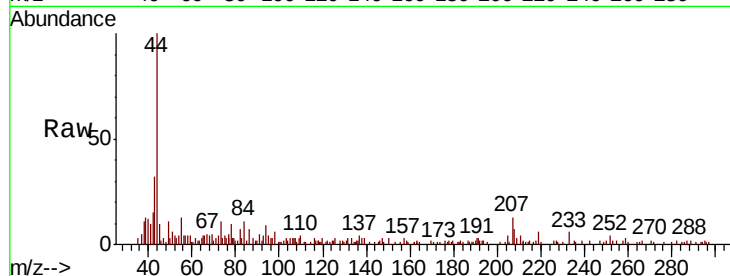




#16
Acetone
Concen: 6.005 ug/l
RT: 2.35 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF062631.D
Acq: 17 May 2019 11:11

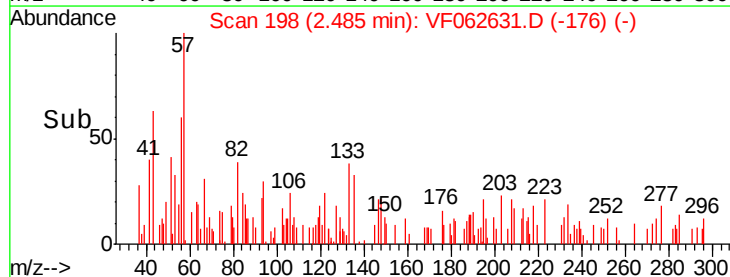
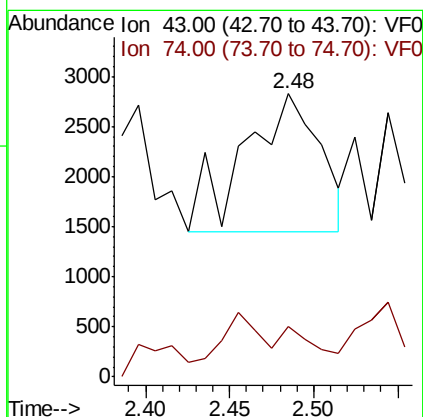
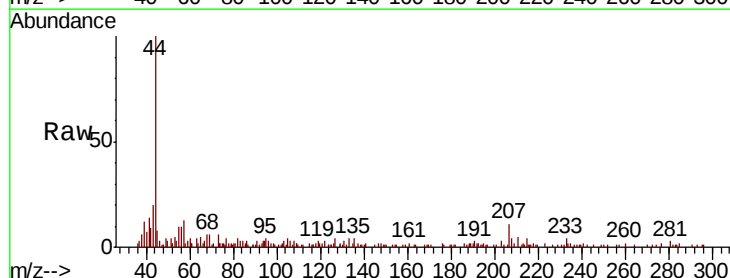
Instrument :
MSVOA_F
ClientSampleId :
VF0517SBL01

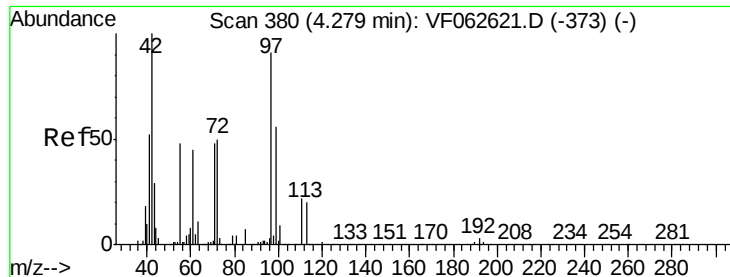
Tgt Ion: 43 Resp: 9886
Ion Ratio Lower Upper
43 100
58 12.0 22.6 33.8#



#18
Methyl Acetate
Concen: 1.660 ug/l
RT: 2.48 min Scan# 198
Delta R.T. 0.02 min
Lab File: VF062631.D
Acq: 17 May 2019 11:11

Tgt Ion: 43 Resp: 4293
Ion Ratio Lower Upper
43 100
74 17.6 18.9 28.3#

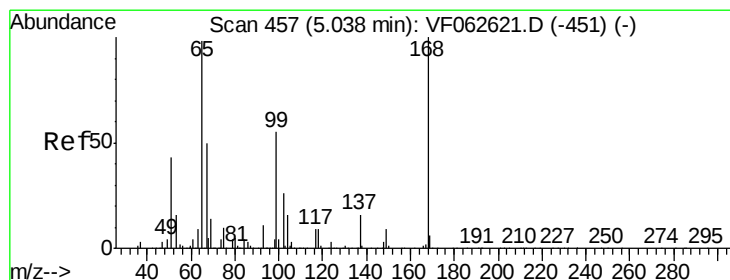
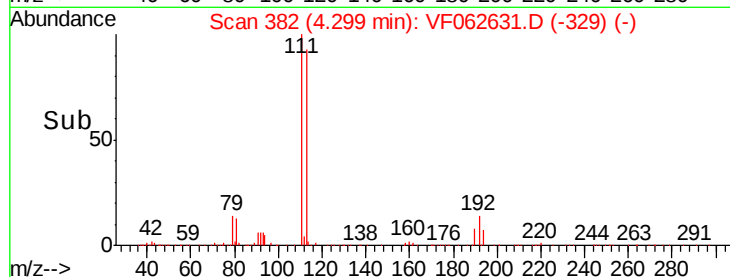
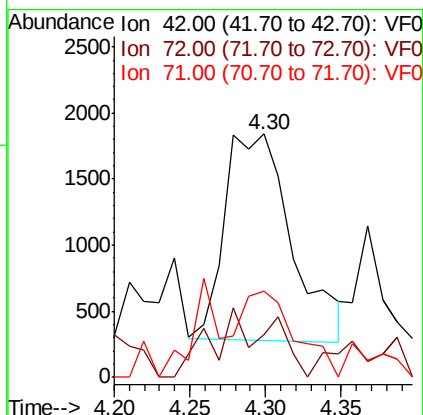
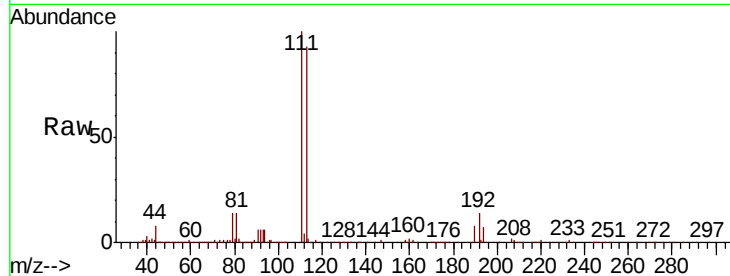




#29
Tetrahydrofuran
Concen: 3.378 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.02 min
Lab File: VF062631.D
Acq: 17 May 2019 11:11

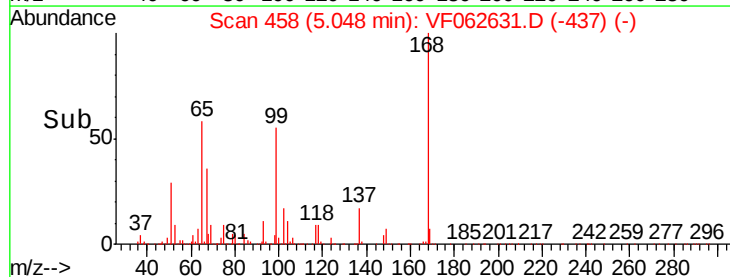
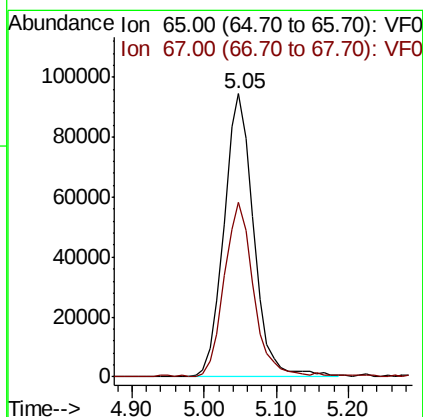
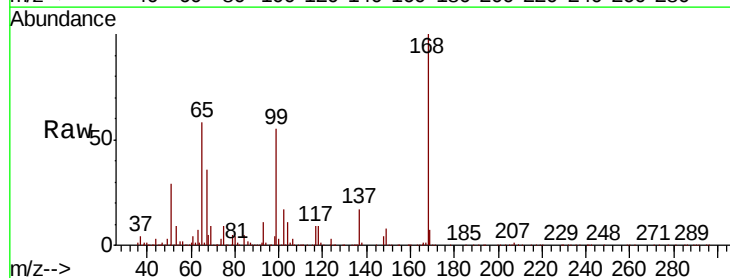
Instrument :
MSVOA_F
ClientSampleId :
VF0517SBL01

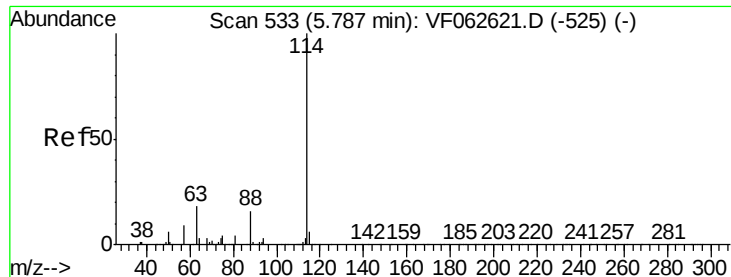
Tgt Ion: 42 Resp: 4808
Ion Ratio Lower Upper
42 100
72 29.3 38.2 57.2#
71 32.0 35.8 53.6#



#33
1,2-Dichloroethane-d4
Concen: 42.557 ug/l
RT: 5.05 min Scan# 458
Delta R.T. 0.01 min
Lab File: VF062631.D
Acq: 17 May 2019 11:11

Tgt Ion: 65 Resp: 270043
Ion Ratio Lower Upper
65 100
67 61.7 0.0 117.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 533

Delta R.T. 0.00 min

Lab File: VF062631.D

Acq: 17 May 2019 11:11

Instrument :

MSVOA_F

ClientSampleId :

VF0517SBL01

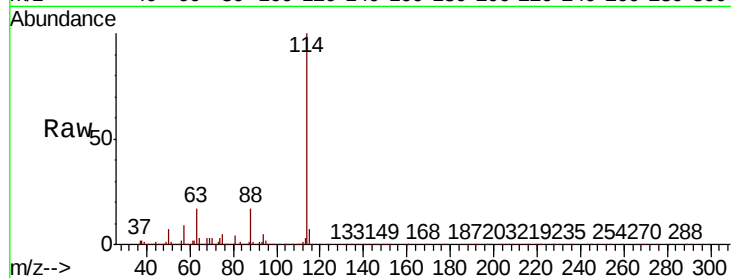
Tgt Ion:114 Resp: 1429130

Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.4

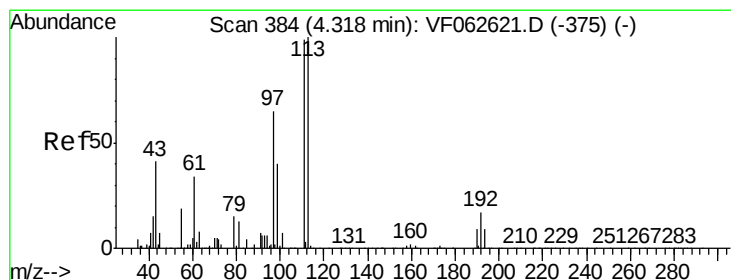
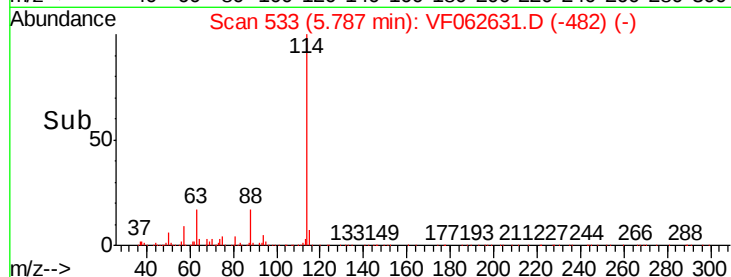
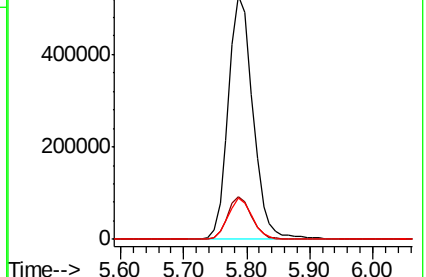
88 17.1 0.0 32.4



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: 45.186 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.00 min

Lab File: VF062631.D

Acq: 17 May 2019 11:11

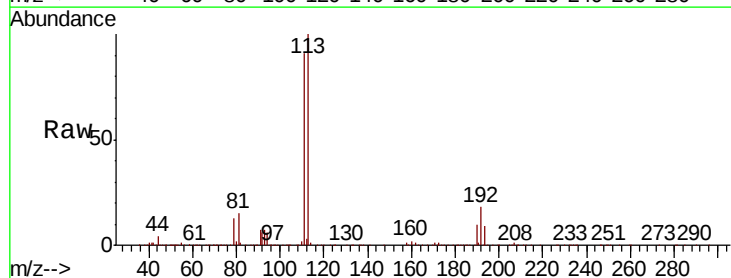
Tgt Ion:113 Resp: 494145

Ion Ratio Lower Upper

113 100

111 91.4 79.4 119.2

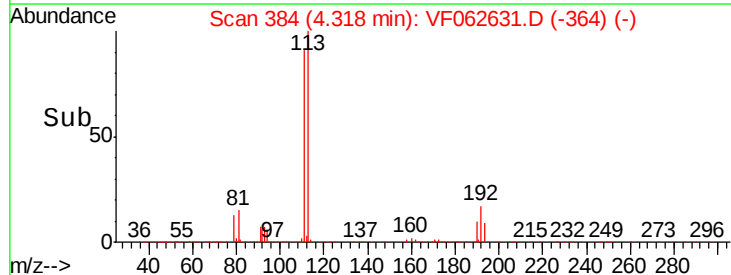
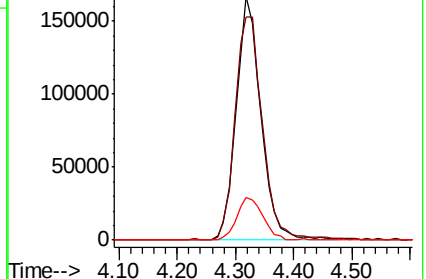
192 17.6 13.4 20.2

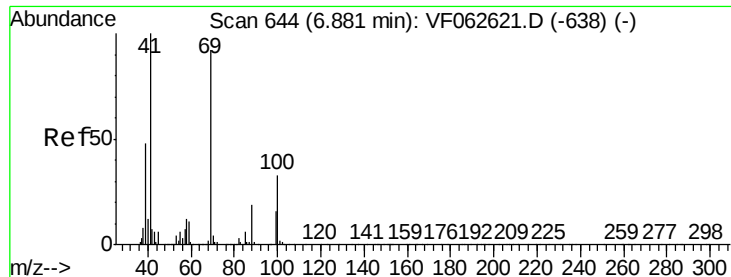


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

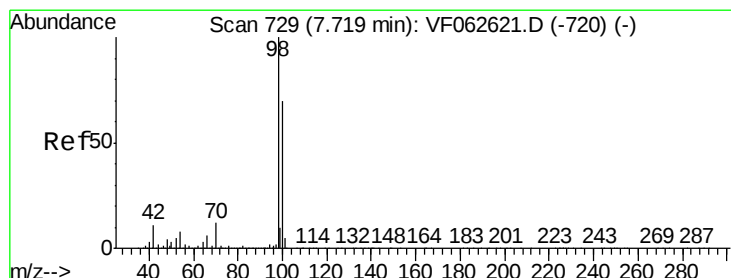
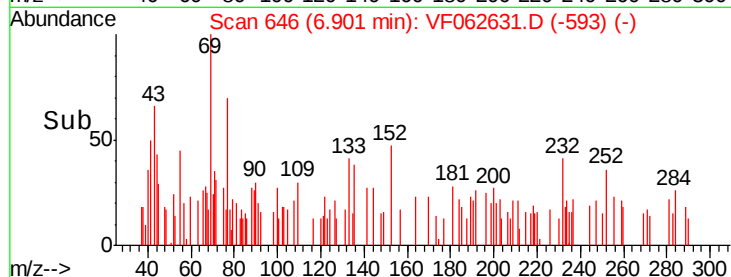
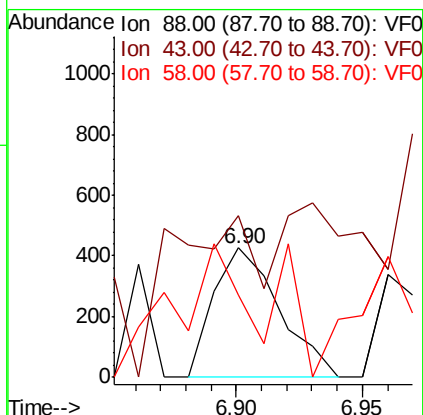
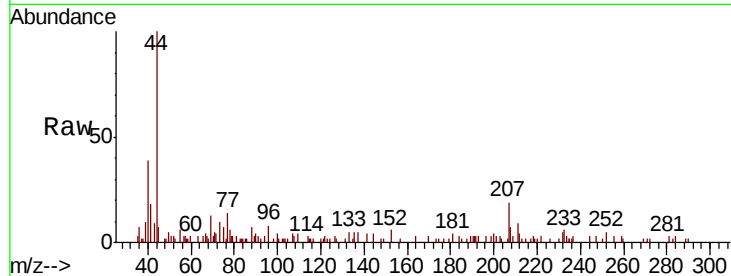




#49
1,4-Dioxane
Concen: 14.887 ug/l
RT: 6.90 min Scan# 646
Delta R.T. 0.02 min
Lab File: VF062631.D
Acq: 17 May 2019 11:11

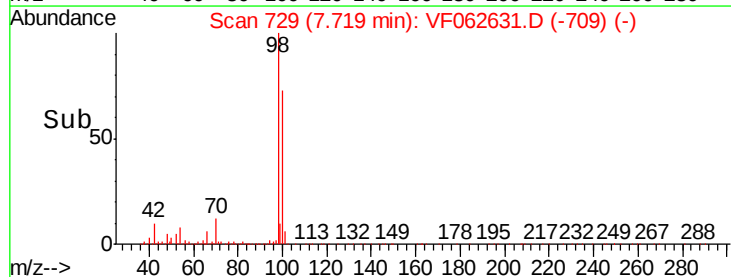
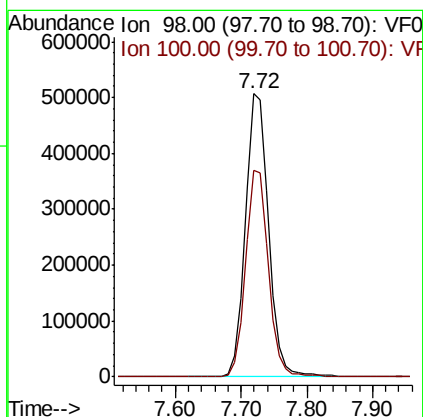
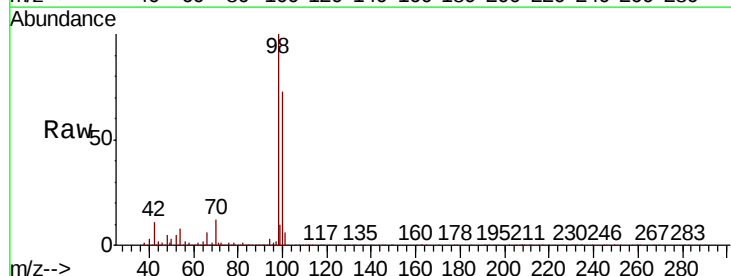
Instrument :
MSVOA_F
ClientSampleId :
VF0517SBL01

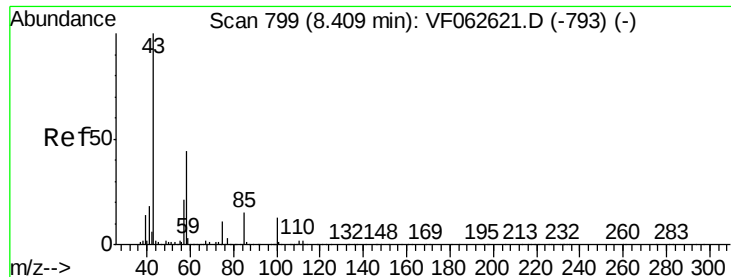
Tgt Ion: 88 Resp: 772
Ion Ratio Lower Upper
88 100
43 124.8 30.0 45.0#
58 63.5 51.1 76.7



#50
Toluene-d8
Concen: 48.003 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF062631.D
Acq: 17 May 2019 11:11

Tgt Ion: 98 Resp: 1253383
Ion Ratio Lower Upper
98 100
100 72.9 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 2.171 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.01 min

Lab File: VF062631.D

Acq: 17 May 2019 11:11

Instrument :

MSVOA_F

ClientSampleId :

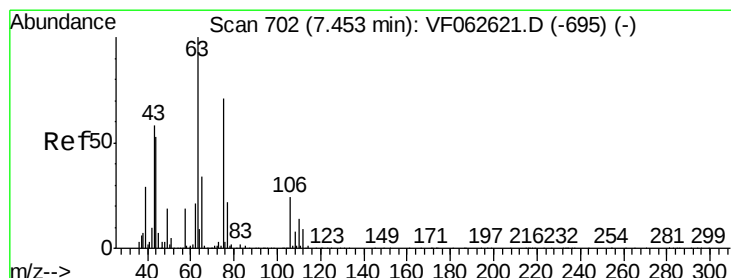
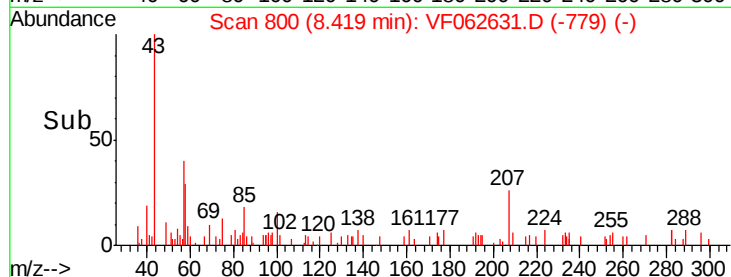
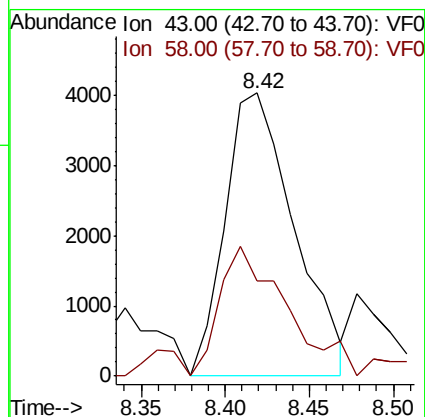
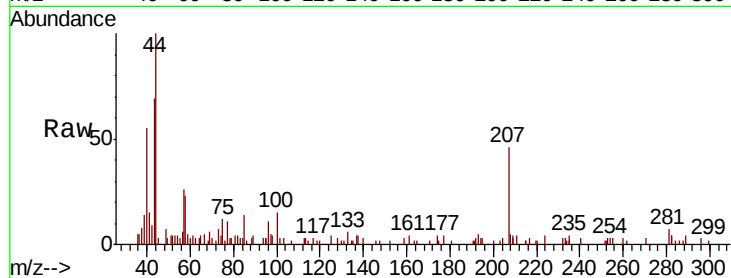
VF0517SBL01

Tgt Ion: 43 Resp: 11494

Ion Ratio Lower Upper

43 100

58 33.4 34.9 52.3#



#58

2-Chloroethyl Vinyl ether

Concen: 2.790 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF062631.D

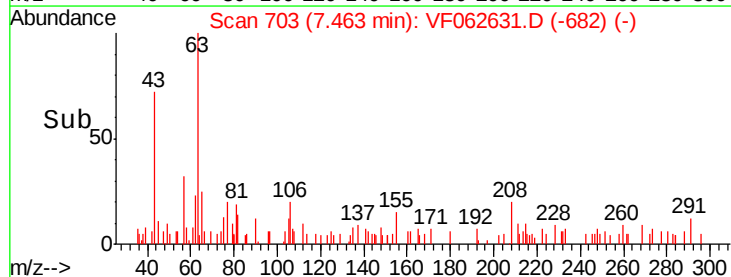
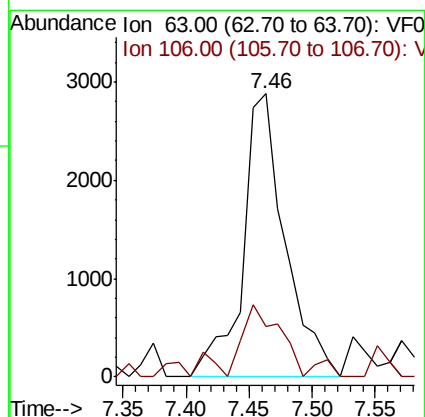
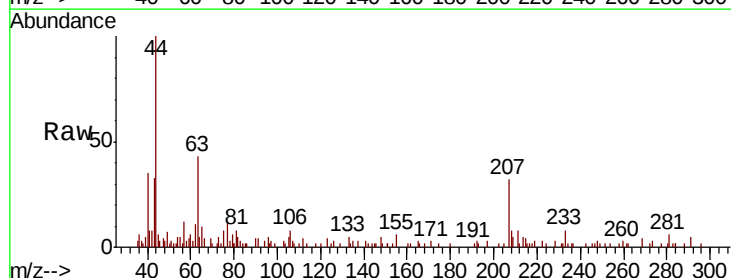
Acq: 17 May 2019 11:11

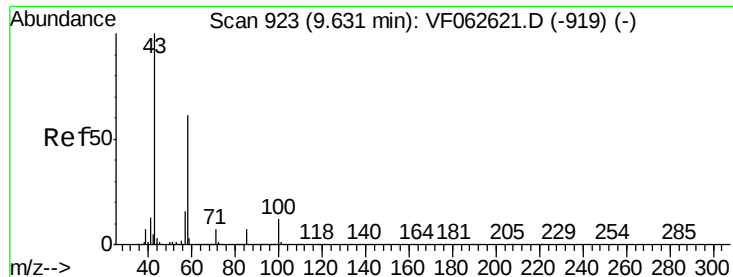
Tgt Ion: 63 Resp: 6703

Ion Ratio Lower Upper

63 100

106 18.0 19.1 28.7#

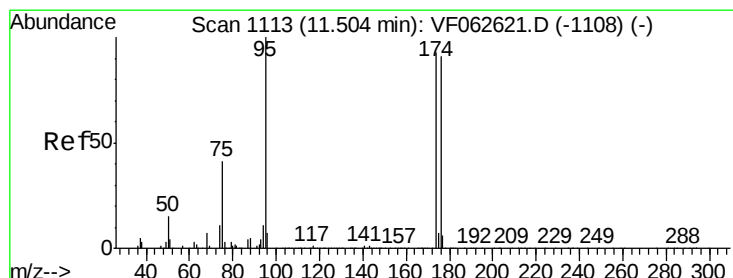
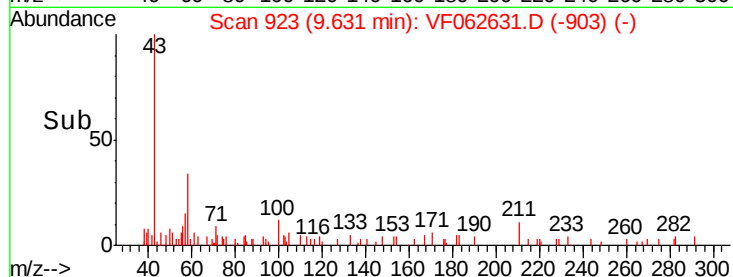
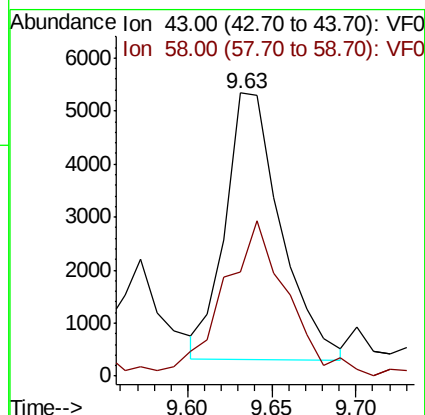
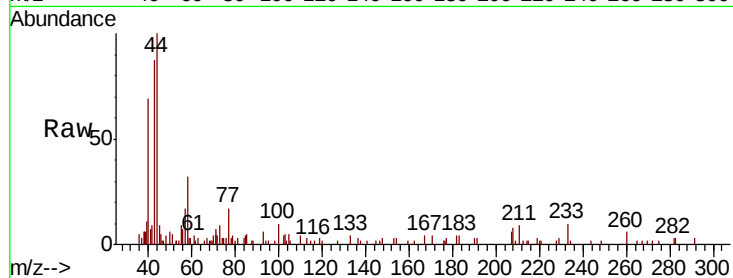




#59
2-Hexanone
Concen: Below Cal
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF062631.D
Acq: 17 May 2019 11:11

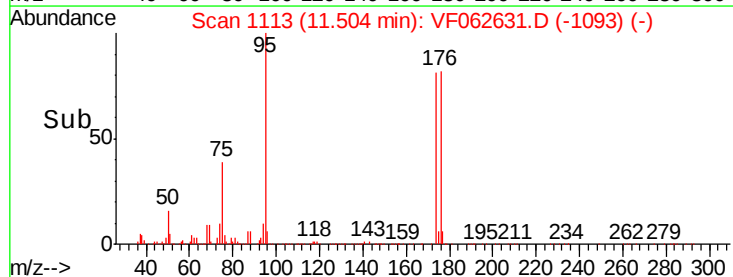
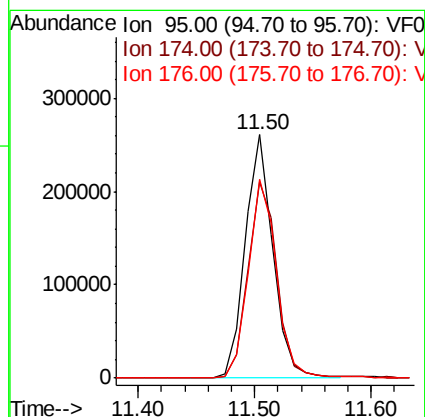
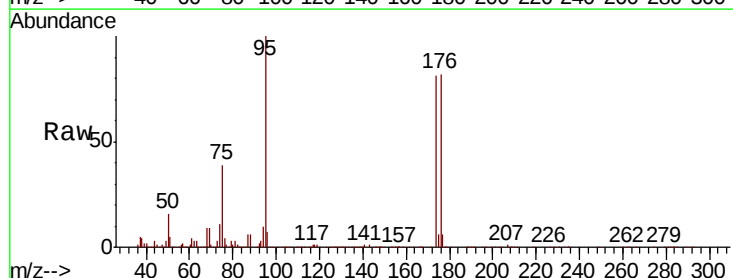
Instrument :
MSVOA_F
ClientSampleId :
VF0517SBL01

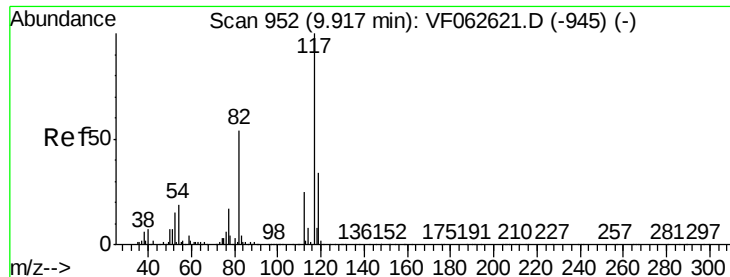
Tgt Ion: 43 Resp: 11507
Ion Ratio Lower Upper
43 100
58 36.7 28.1 84.4



#62
4-Bromofluorobenzene
Concen: 43.594 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VF062631.D
Acq: 17 May 2019 11:11

Tgt Ion: 95 Resp: 431700
Ion Ratio Lower Upper
95 100
174 80.8 0.0 185.6
176 81.7 0.0 182.4

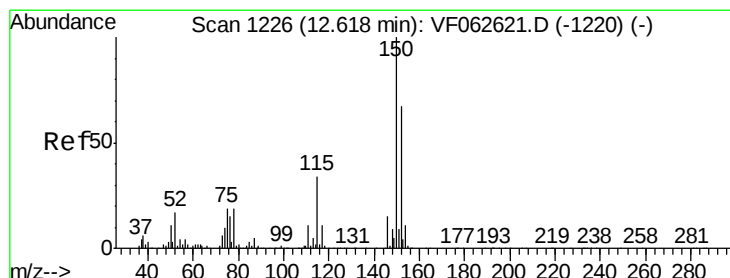
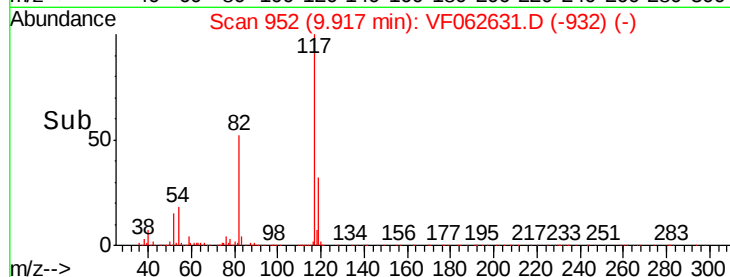
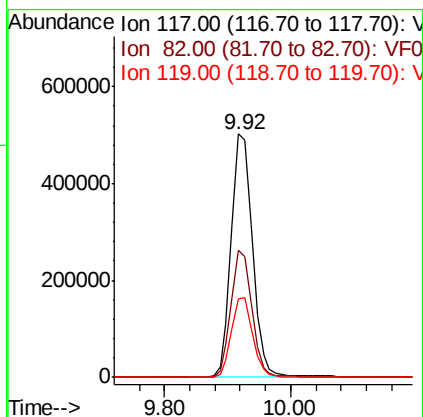
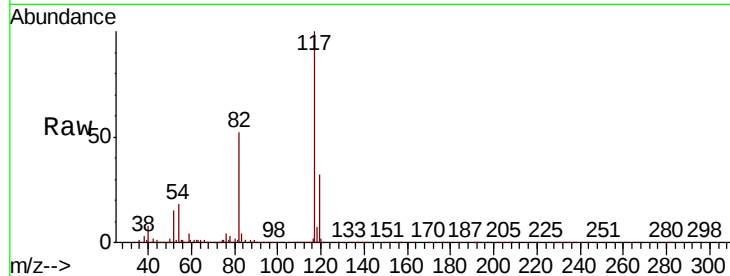




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF062631.D
Acq: 17 May 2019 11:11

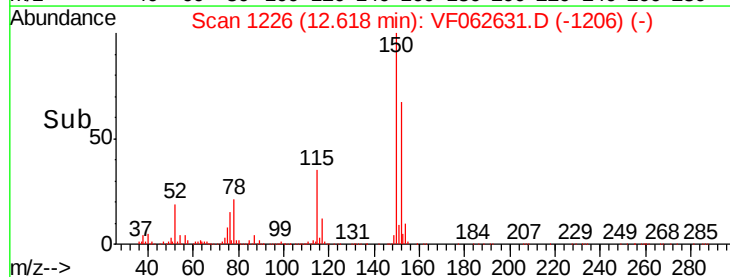
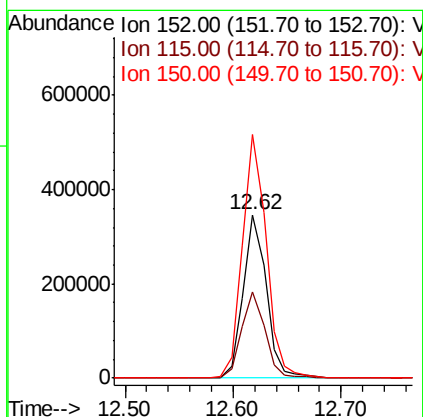
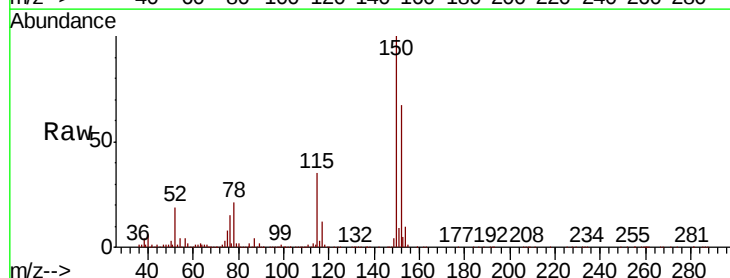
Instrument :
MSVOA_F
ClientSampleId :
VF0517SBL01

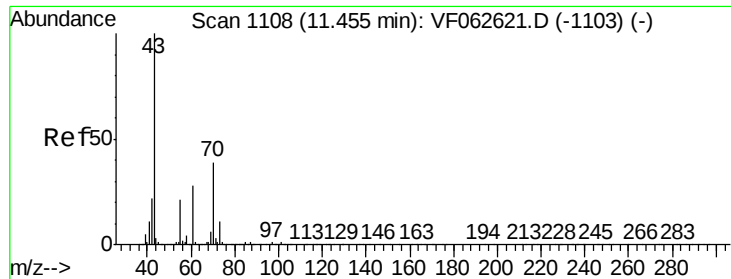
Tgt Ion:117 Resp: 1176306
Ion Ratio Lower Upper
117 100
82 52.3 43.3 64.9
119 32.5 27.4 41.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.00 min
Lab File: VF062631.D
Acq: 17 May 2019 11:11

Tgt Ion:152 Resp: 518759
Ion Ratio Lower Upper
152 100
115 52.7 25.2 75.6
150 149.0 0.0 306.2





#74
 N-amyI acetate
 Concen: Below Cal
 RT: 11.45 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VF062631.D
 Acq: 17 May 2019 11:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0517SBL01

Tgt Ion:	43	Resp:	4908
Ion	Ratio	Lower	Upper
43	100		
70	49.4	30.9	46.3#
55	24.2	17.0	25.4
61	18.1	22.6	34.0#

