

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052119\
 Data File : VF062695.D
 Acq On : 21 May 2019 20:54
 Operator : FY/SY
 Sample : K2971-06RE
 Misc : 5.94g/5mL/MSVOA F/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 22 03:58:54 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	771276	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.77	114	1272770	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	860318	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	413738	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	175318	32.17	ug/l	0.00
Spiked Amount			Recovery	=	64.34%	
35) Dibromofluoromethane	4.31	113	347869	35.72	ug/l	0.00
Spiked Amount			Recovery	=	71.44%	
50) Toluene-d8	7.71	98	699583	30.08	ug/l	0.00
Spiked Amount			Recovery	=	60.16%	
62) 4-Bromofluorobenzene	11.49	95	235234	26.67	ug/l	-0.02
Spiked Amount			Recovery	=	53.34%	

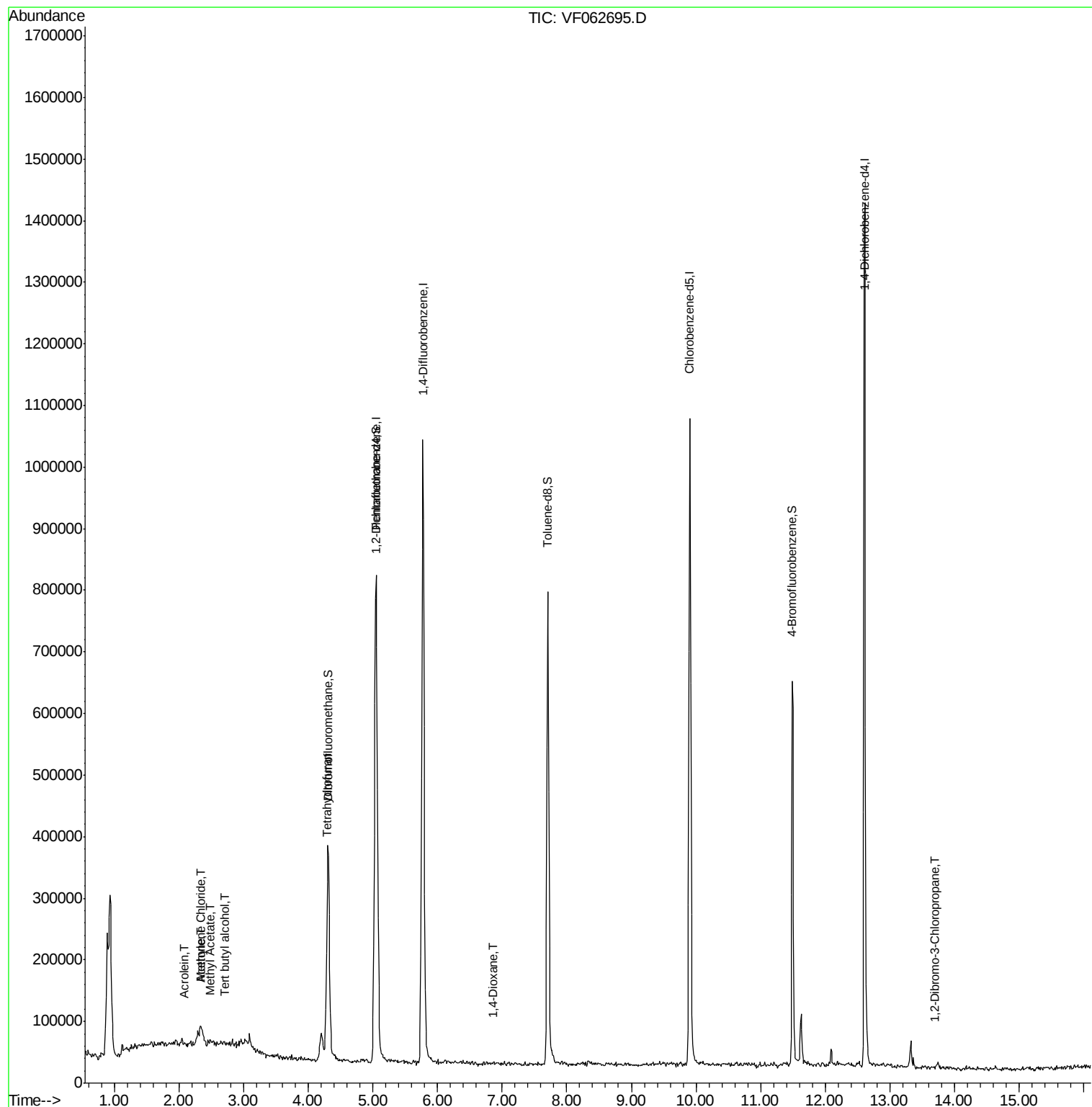
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.71	59	1234	3.429	ug/l #	21
13) Acrolein	2.09	56	849	2.260	ug/l	83
16) Acetone	2.35	43	16023	11.332	ug/l	95
18) Methyl Acetate	2.47	43	2848	1.282	ug/l #	75
20) Methylene Chloride	2.33	84	20788	2.933	ug/l #	85
29) Tetrahydrofuran	4.28	42	1455	1.190	ug/l #	23
49) 1,4-Dioxane	6.87	88	402	8.704	ug/l #	1
59) 2-Hexanone	9.63	43	3504	Below Cal		93
74) N-amyl acetate	11.46	43	626	Below Cal	#	67
92) 1,2-Dibromo-3-Chloropropan	13.68	75	752	1.040	ug/l #	1

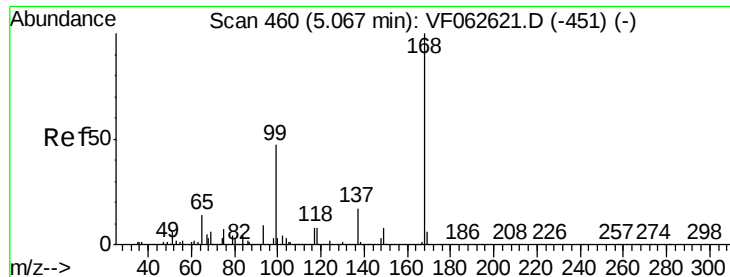
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF062695.D

Acq: 21 May 2019 20:54

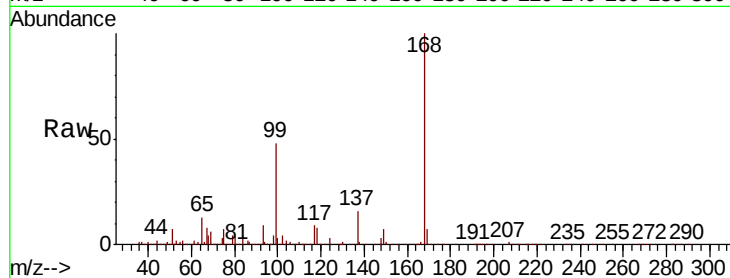
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 771276

Ion Ratio Lower Upper

168 100

99 48.3 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

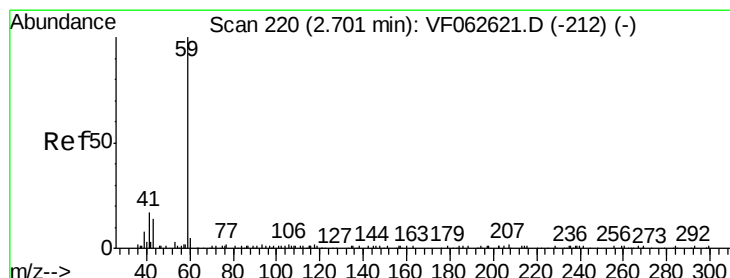
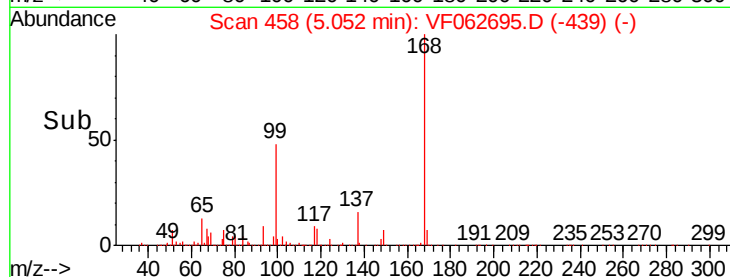
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.429 ug/l

RT: 2.71 min Scan# 220

Delta R.T. 0.00 min

Lab File: VF062695.D

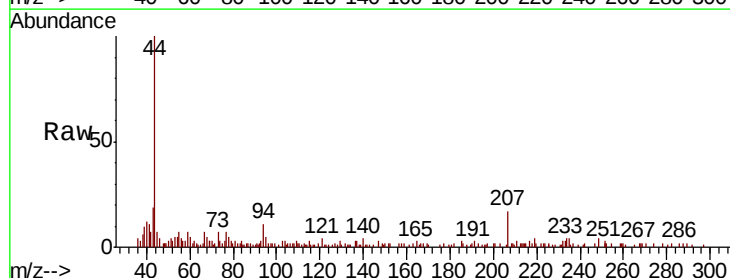
Acq: 21 May 2019 20:54

Tgt Ion: 59 Resp: 1234

Ion Ratio Lower Upper

59 100

57 41.9 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.71

800

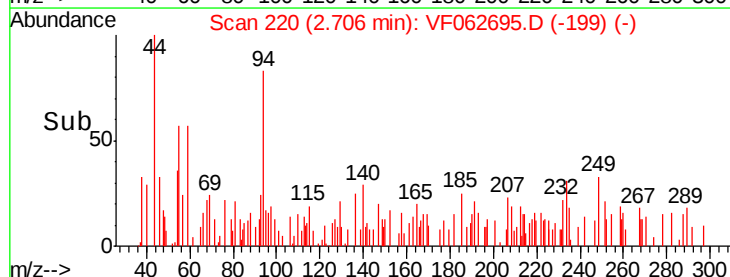
600

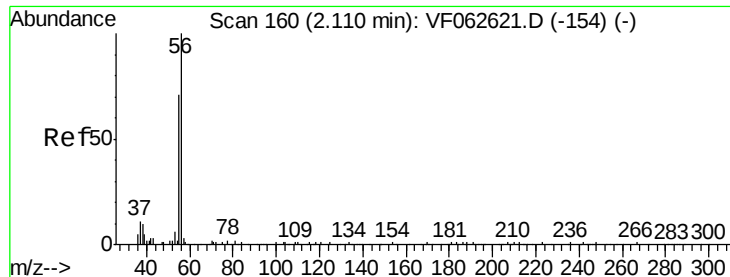
400

200

0

Time-->

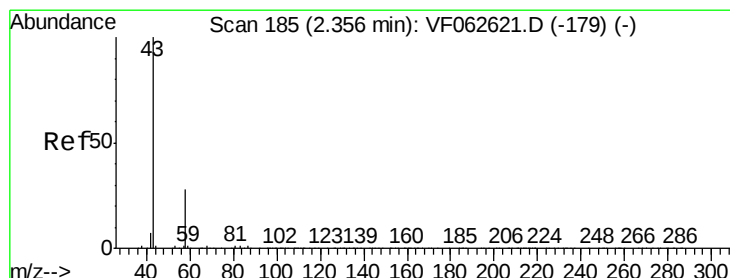
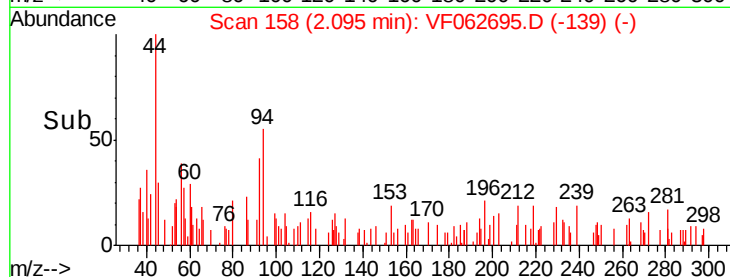
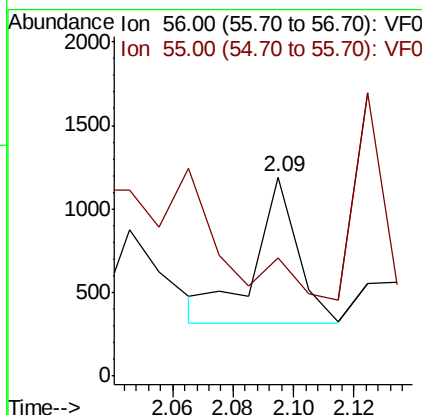
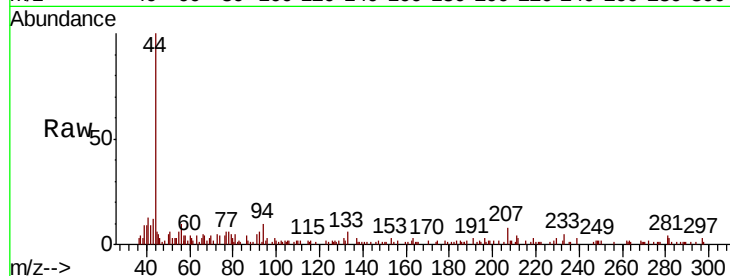




#13
Acrolein
Concen: 2.260 ug/l
RT: 2.09 min Scan# 158
Delta R.T. -0.02 min
Lab File: VF062695.D
Acq: 21 May 2019 20:54

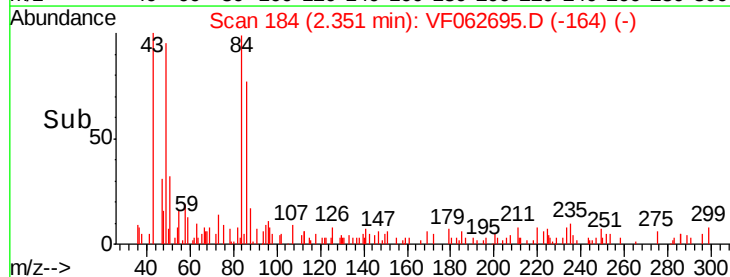
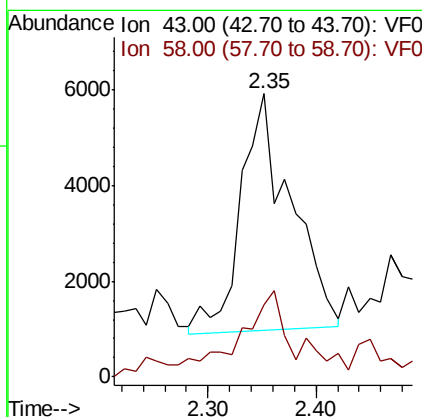
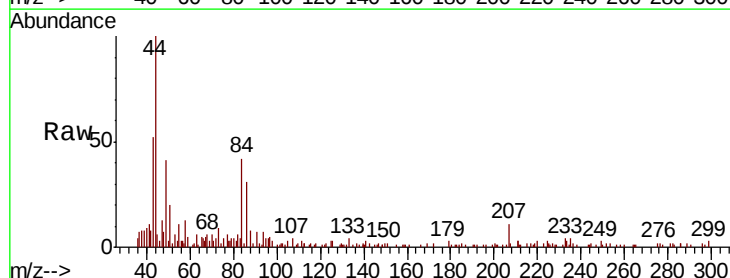
Instrument :
MSVOA_F
ClientSampleId :

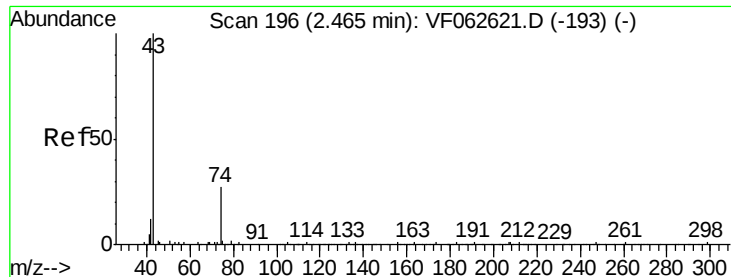
Tot Ion: 56 Resp: 849
Ion Ratio Lower Upper
56 100
55 59.4 59.4 89.0



#16
Acetone
Concen: 11.332 ug/l
RT: 2.35 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF062695.D
Acq: 21 May 2019 20:54

Tgt Ion: 43 Resp: 16023
Ion Ratio Lower Upper
43 100
58 25.6 22.6 33.8

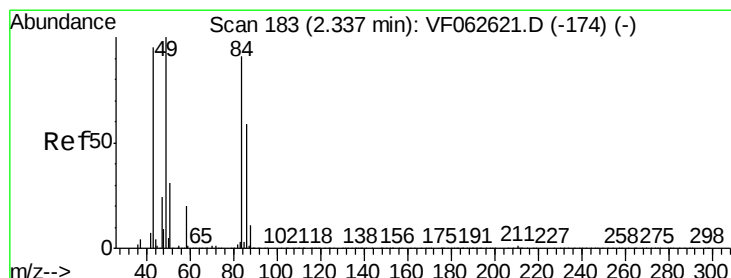
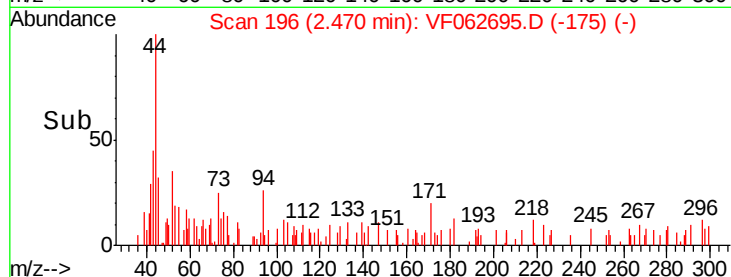
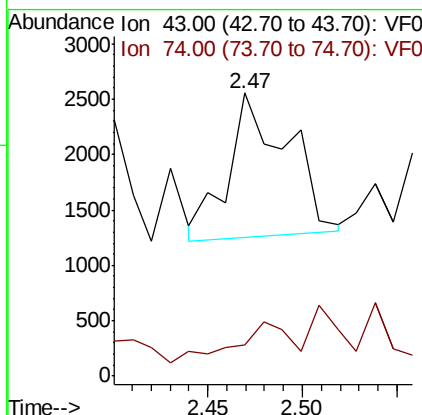
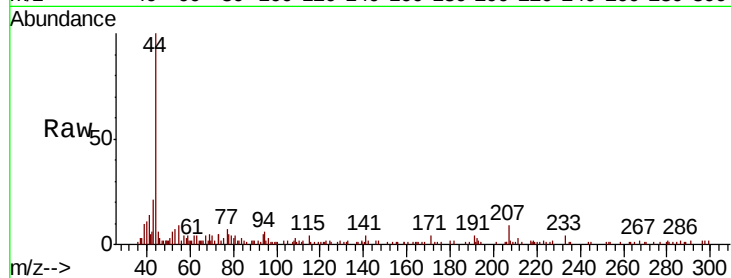




#18
Methyl Acetate
Concen: 1.282 ug/l
RT: 2.47 min Scan# 196
Delta R.T. 0.00 min
Lab File: VF062695.D
Acq: 21 May 2019 20:54

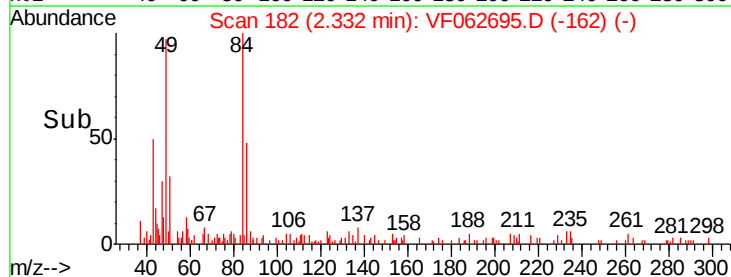
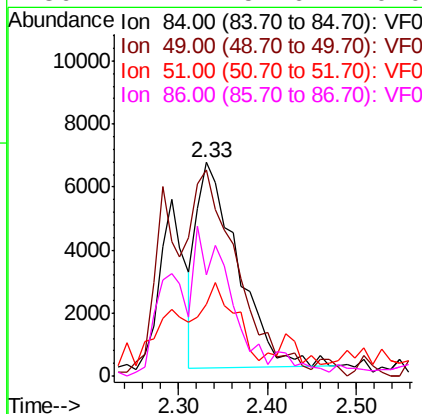
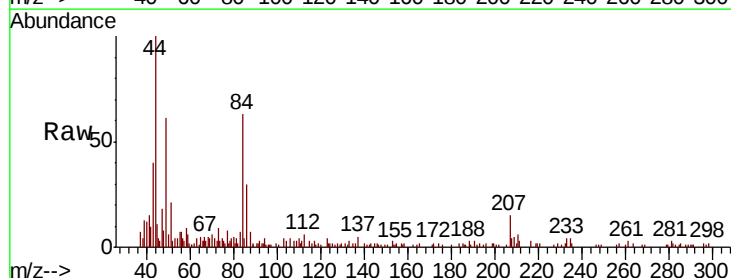
Instrument :
MSVOA_F
ClientSampled :

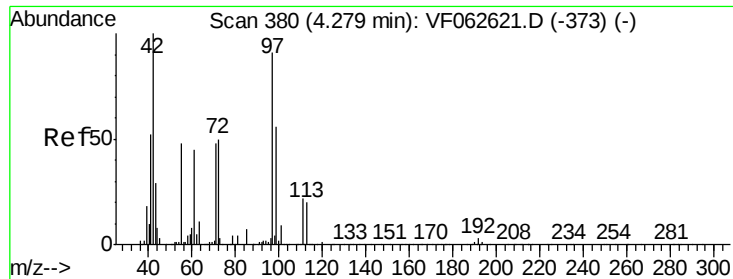
Tot Ion: 43 Resp: 2848
Ion Ratio Lower Upper
43 100
74 11.2 18.9 28.3#



#20
Methylene Chloride
Concen: 2.933 ug/l
RT: 2.33 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF062695.D
Acq: 21 May 2019 20:54

Tgt Ion: 84 Resp: 20788
Ion Ratio Lower Upper
84 100
49 96.8 89.8 134.8
51 33.8 28.4 42.6
86 47.4 52.6 79.0#

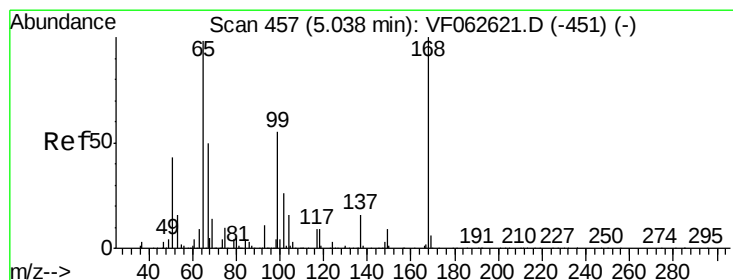
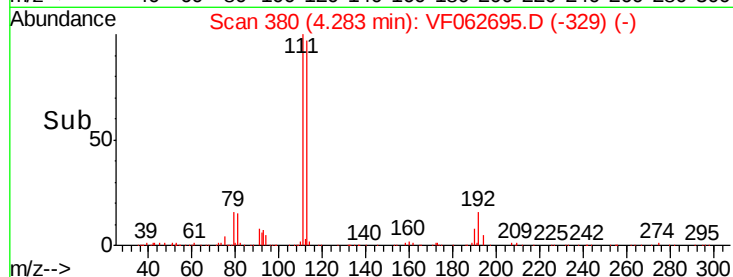
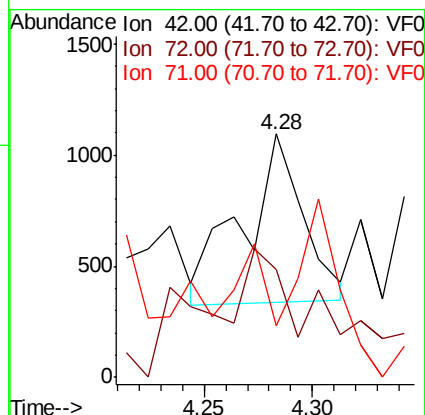
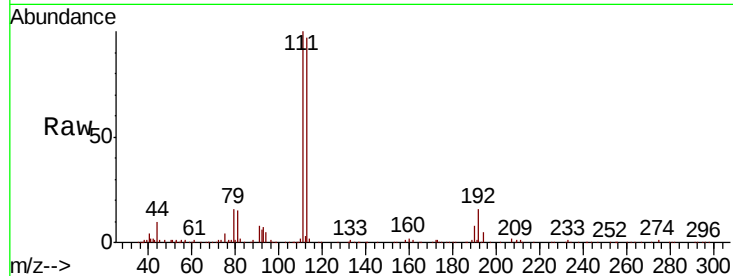




#29
Tetrahydrofuran
Concen: 1.190 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.00 min
Lab File: VF062695.D
Acq: 21 May 2019 20:54

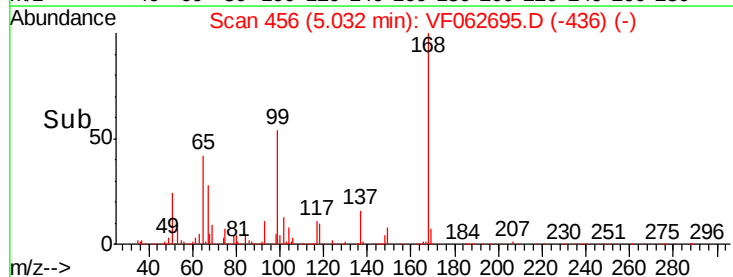
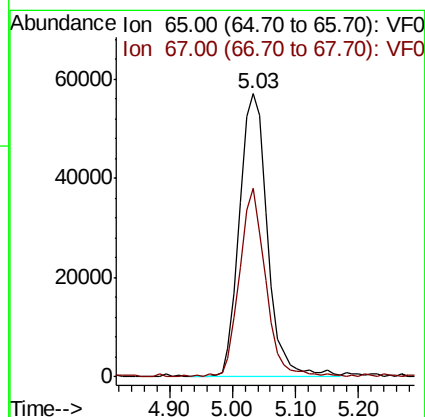
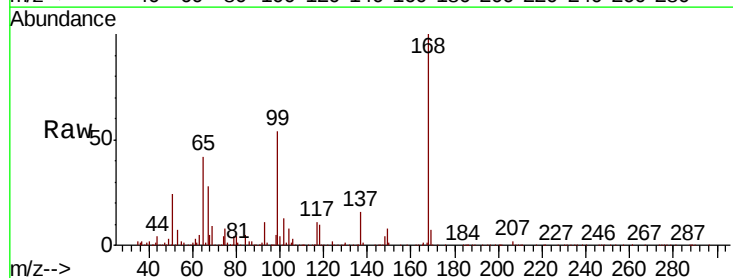
Instrument :
MSVOA_F
ClientSampled :

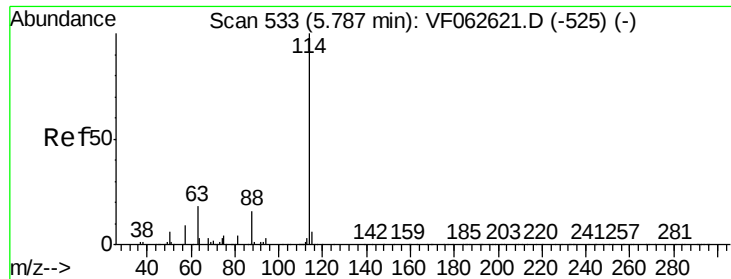
Tot Ion: 42 Resp: 1455
Ion Ratio Lower Upper
42 100
72 115.1 38.2 57.2#
71 78.4 35.8 53.6#



#33
1,2-Dichloroethane-d4
Concen: 32.167 ug/l
RT: 5.03 min Scan# 456
Delta R.T. -0.01 min
Lab File: VF062695.D
Acq: 21 May 2019 20:54

Tgt Ion: 65 Resp: 175318
Ion Ratio Lower Upper
65 100
67 66.8 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: VF062695.D

Acq: 21 May 2019 20:54

Instrument :

MSVOA_F

ClientSampleId :

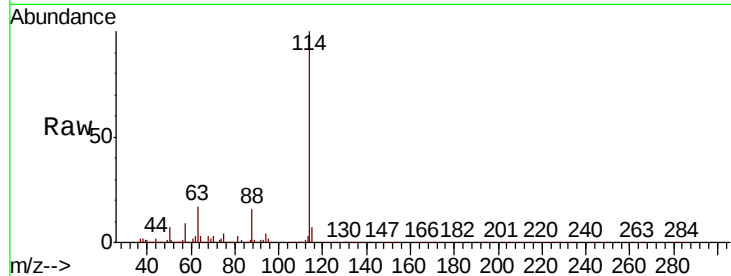
Tot Ion:114 Resp: 1272770

Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.4

88 16.2 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

600000

500000

400000

300000

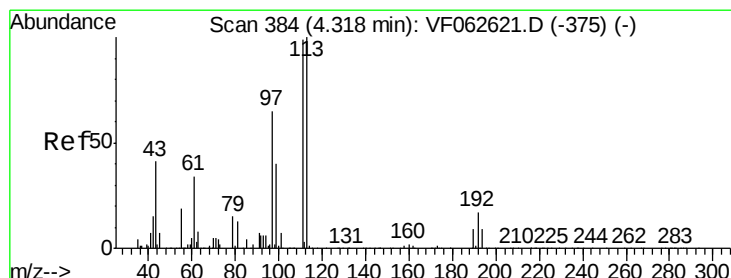
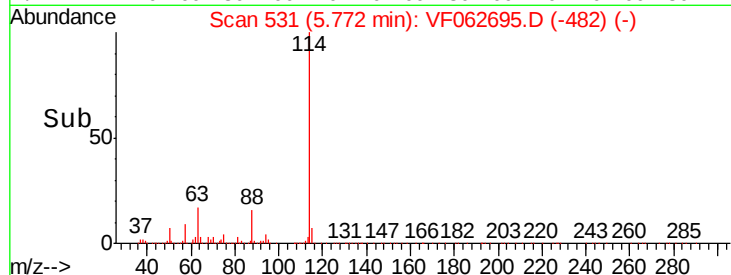
200000

100000

0

5.60 5.70 5.80 5.90 6.00

Time-->



#35

Dibromofluoromethane

Concen: 35.718 ug/l

RT: 4.31 min Scan# 383

Delta R.T. -0.01 min

Lab File: VF062695.D

Acq: 21 May 2019 20:54

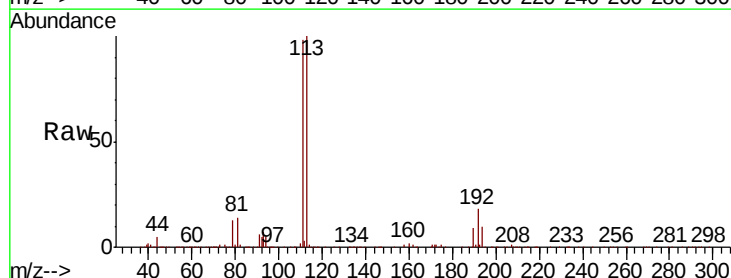
Tgt Ion:113 Resp: 347869

Ion Ratio Lower Upper

113 100

111 98.0 79.4 119.2

192 18.2 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

150000

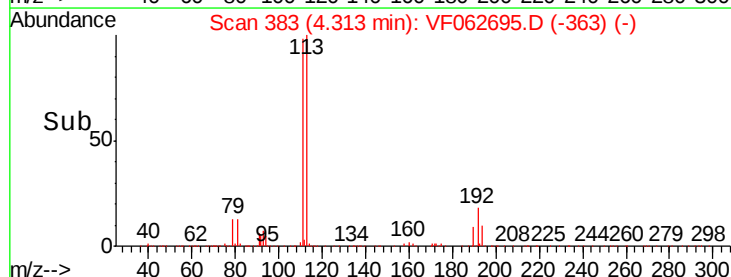
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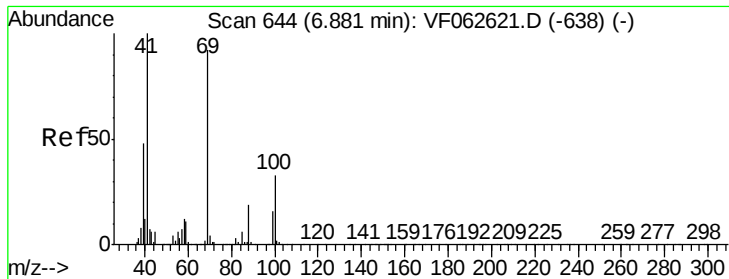
50000

0

4.10 4.20 4.30 4.40 4.50

Time-->





#49

1,4-Dioxane

Concen: 8.704 ug/l

RT: 6.87 min Scan# 642

Delta R.T. -0.02 min

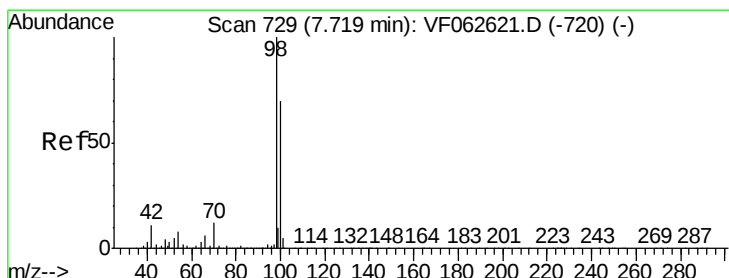
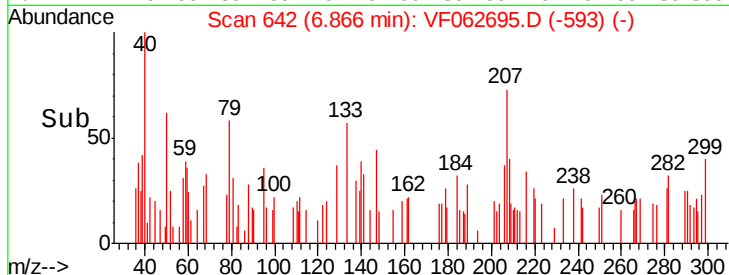
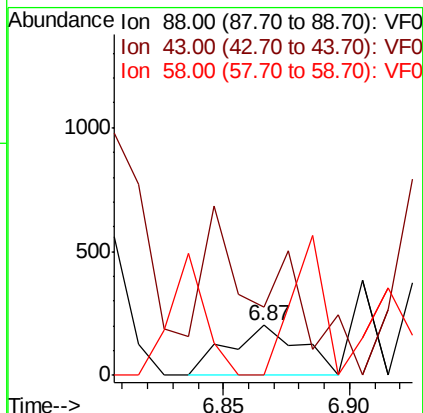
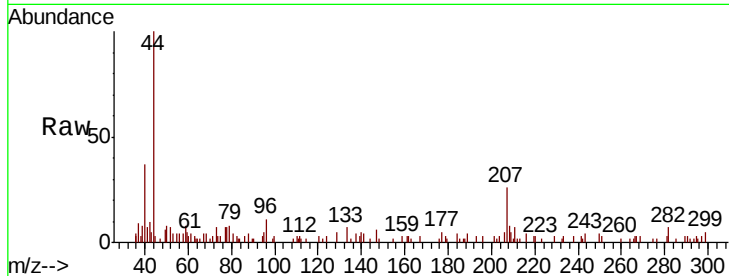
Lab File: VF062695.D

Acq: 21 May 2019 20:54

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 88 Resp: 402

Ion	Ratio	Lower	Upper
88	100		
43	135.6	30.0	45.0#
58	0.0	51.1	76.7#



#50

Toluene-d8

Concen: 30.085 ug/l

RT: 7.71 min Scan# 728

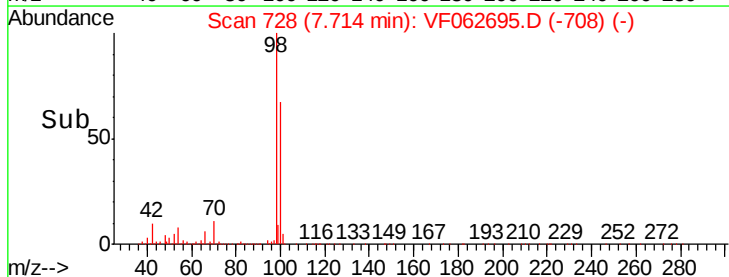
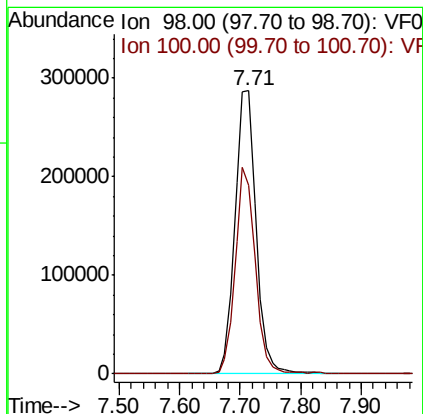
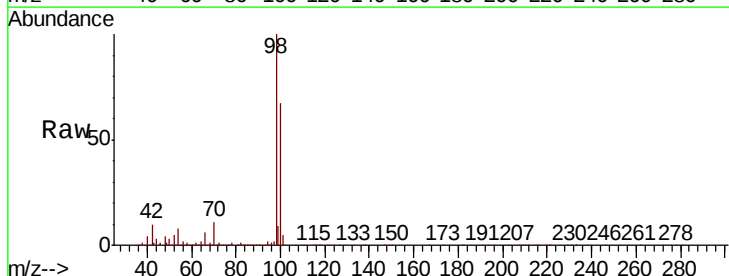
Delta R.T. -0.01 min

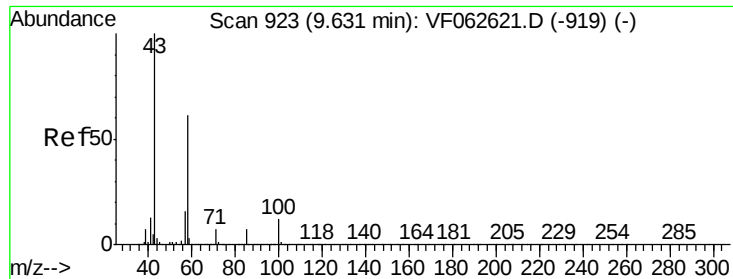
Lab File: VF062695.D

Acq: 21 May 2019 20:54

Tgt Ion: 98 Resp: 699583

Ion	Ratio	Lower	Upper
98	100		
100	66.5	56.2	84.2

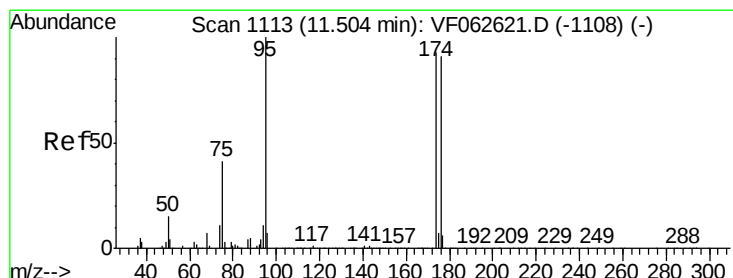
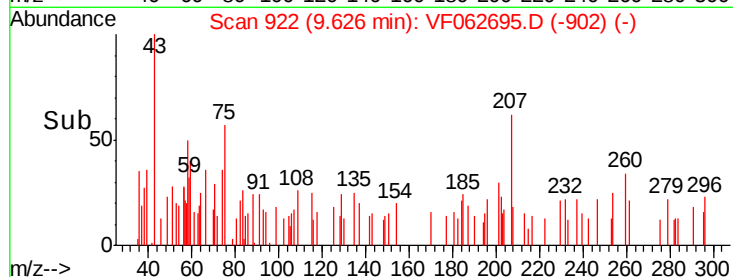
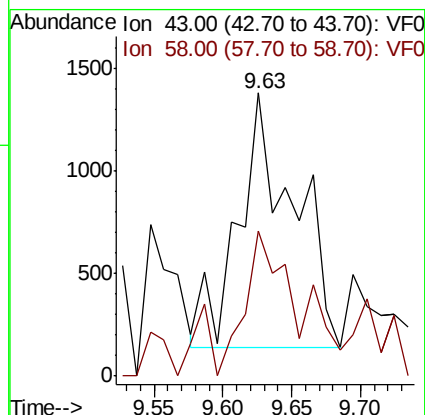
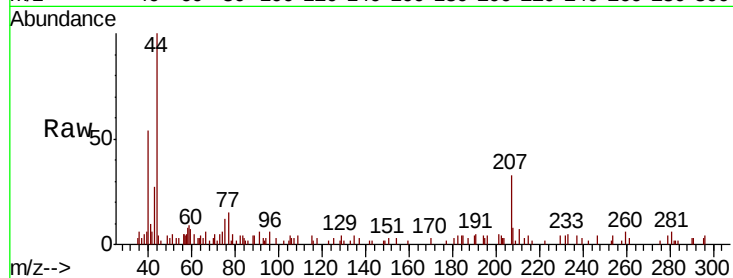




#59
2-Hexanone
Concen: Below Cal
RT: 9.63 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF062695.D
Acq: 21 May 2019 20:54

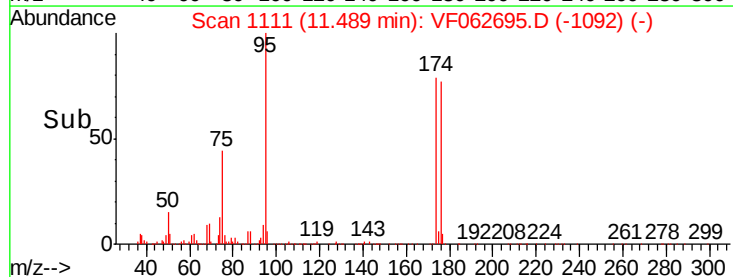
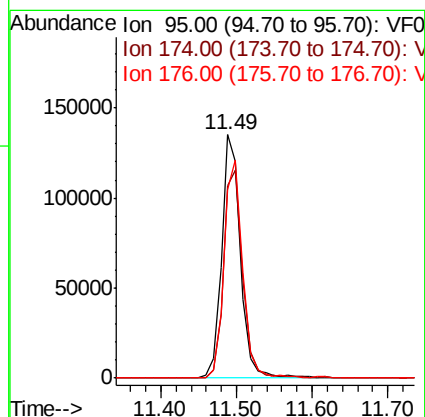
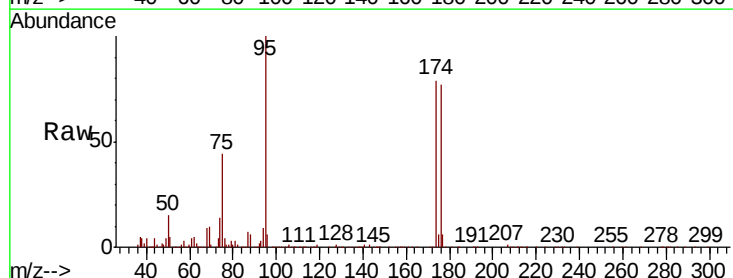
Instrument :
MSVOA_F
ClientSampleId :

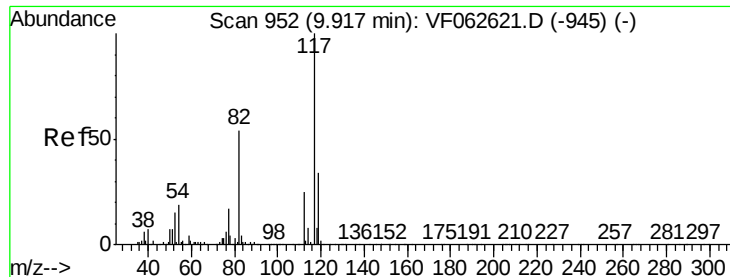
Tot Ion: 43 Resp: 3504
Ion Ratio Lower Upper
43 100
58 51.1 28.1 84.4



#62
4-Bromofluorobenzene
Concen: 26.672 ug/l
RT: 11.49 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VF062695.D
Acq: 21 May 2019 20:54

Tgt Ion: 95 Resp: 235234
Ion Ratio Lower Upper
95 100
174 78.8 0.0 185.6
176 77.3 0.0 182.4

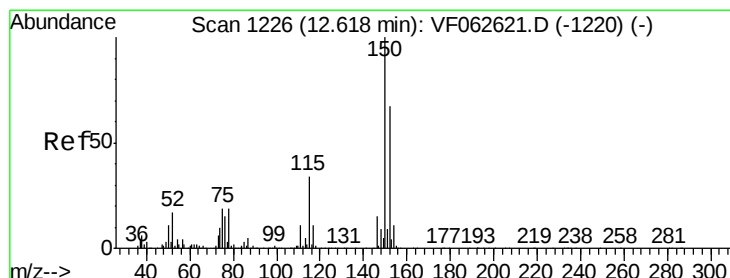
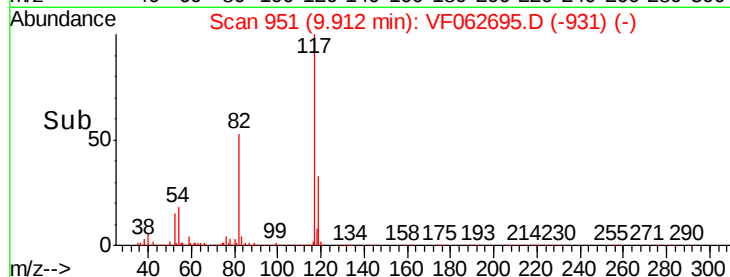
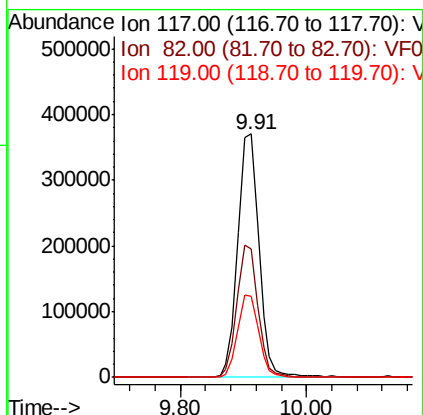
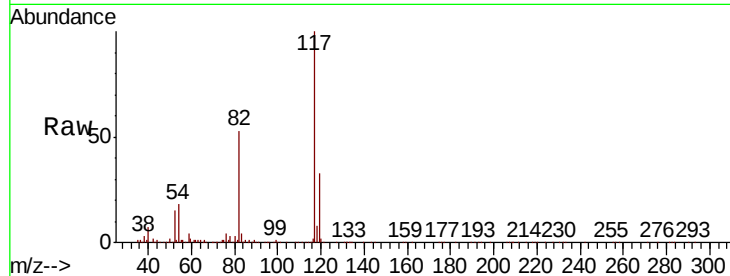




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF062695.D
Acq: 21 May 2019 20:54

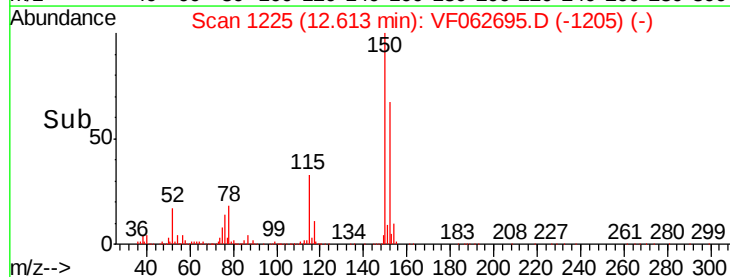
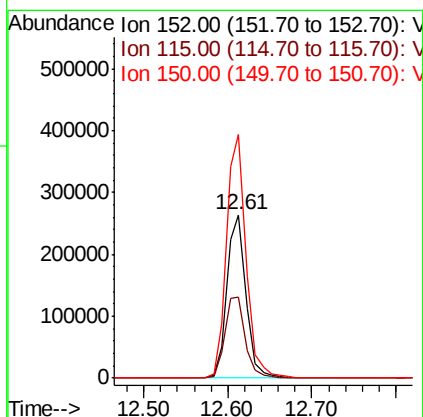
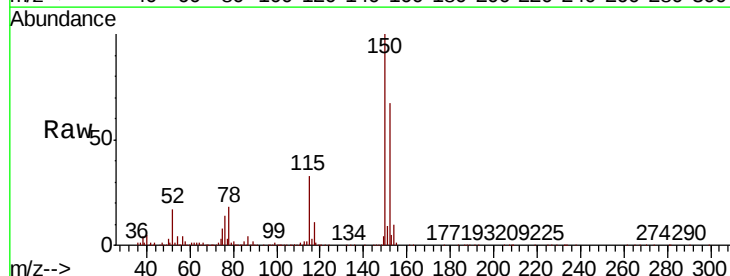
Instrument :
MSVOA_F
ClientSampleId :

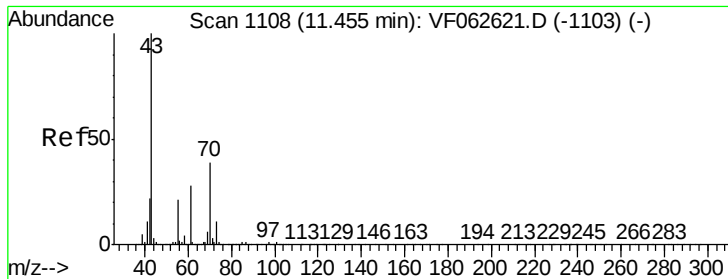
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	43.3	64.9
119	33.1	27.4	41.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.01 min
Lab File: VF062695.D
Acq: 21 May 2019 20:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	49.3	25.2	75.6
150	148.9	0.0	306.2





#74

N-amvl acetate

Concen: Below Cal

RT: 11.46 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VF062695.D

Acq: 21 May 2019 20:54

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 43 Resp: 626

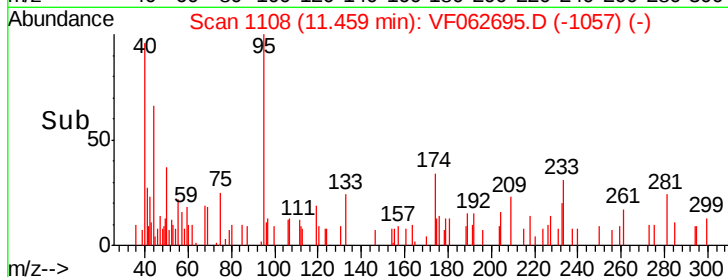
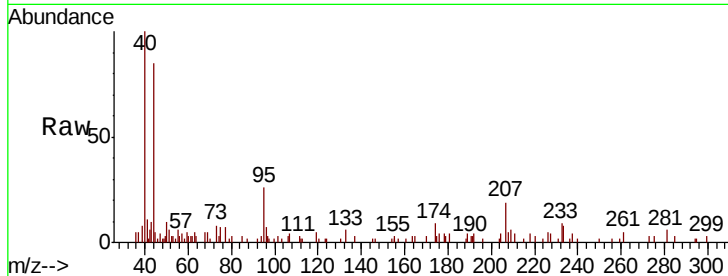
Ion Ratio Lower Upper

43 100

70 20.0 30.9 46.3#

55 58.4 17.0 25.4#

61 29.7 22.6 34.0

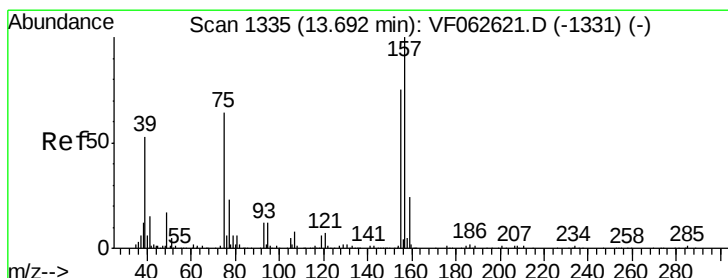
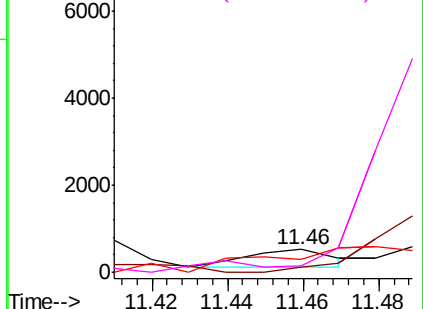


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.040 ug/l

RT: 13.68 min Scan# 1333

Delta R.T. -0.02 min

Lab File: VF062695.D

Acq: 21 May 2019 20:54

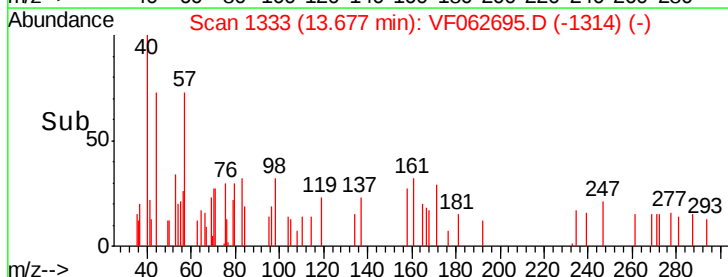
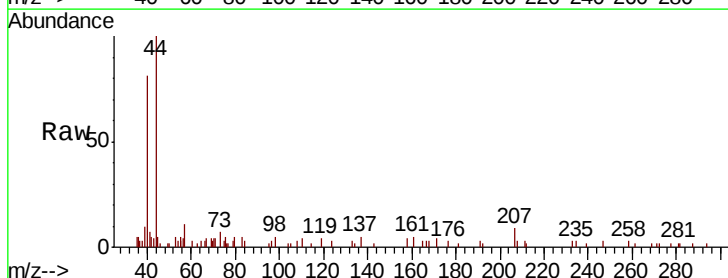
Tgt Ion: 75 Resp: 752

Ion Ratio Lower Upper

75 100

155 0.0 58.1 174.3#

157 0.0 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

