

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052819\
 Data File : VF062768.D
 Acq On : 28 May 2019 18:49
 Operator : FY/SY
 Sample : K3072-04
 Misc : 6.40g/5mL/MSVOA F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-4

Quant Time: May 29 01:49:52 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	694028	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1118042	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	918160	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	371813	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	217162	44.28	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	88.56%	
35) Dibromofluoromethane	4.33	113	380848	44.52	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	89.04%	
50) Toluene-d8	7.73	98	866029	42.40	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	84.80%	
62) 4-Bromofluorobenzene	11.51	95	308383	39.81	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	79.62%	

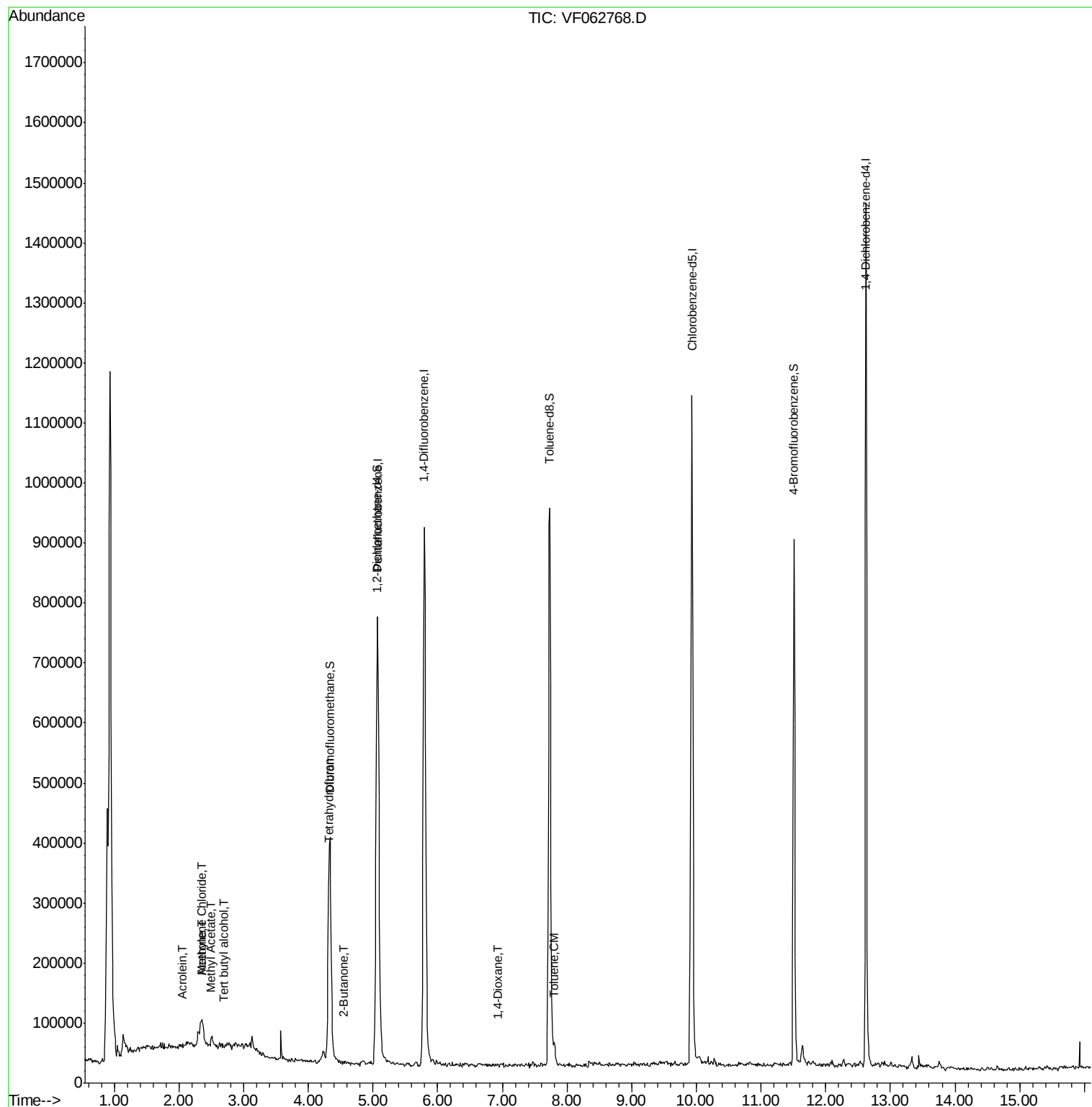
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.70	59	1306	4.033	ug/l #	1
13) Acrolein	2.06	56	1175	3.476	ug/l	88
16) Acetone	2.36	43	25377	19.945	ug/l	96
18) Methyl Acetate	2.49	43	9085	4.544	ug/l	97
20) Methylene Chloride	2.34	84	32289	5.063	ug/l	89
25) 2-Butanone	4.55	43	5276	1.941	ug/l #	74
29) Tetrahydrofuran	4.30	42	1426	1.296	ug/l #	32
49) 1,4-Dioxane	6.93	88	548	13.508	ug/l #	29
52) Toluene	7.80	92	17140	1.047	ug/l	92
59) 2-Hexanone	9.66	43	3400	Below Cal		87
74) N-amyl acetate	11.46	43	1429	Below Cal	#	61

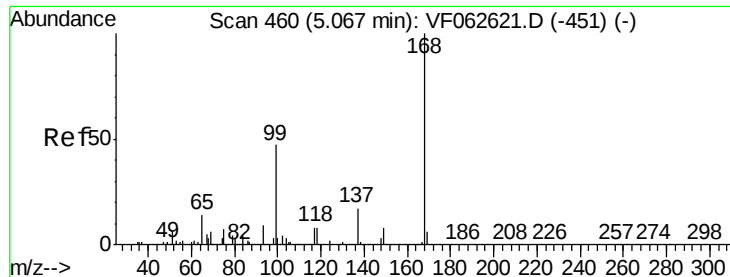
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.01 min

Lab File: VF062768.D

Acq: 28 May 2019 18:49

Instrument :

MSVOA_F

ClientSampleId :

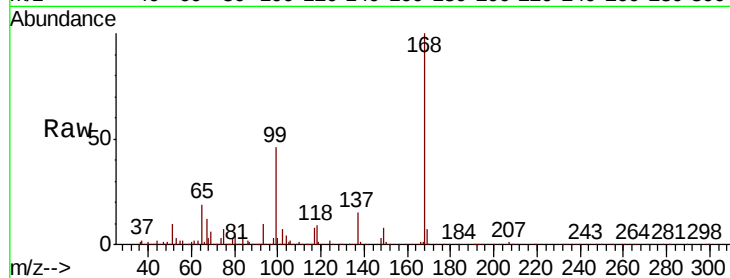
TP-4

Tot Ion:168 Resp: 694028

Ion Ratio Lower Upper

168 100

99 46.2 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

250000

200000

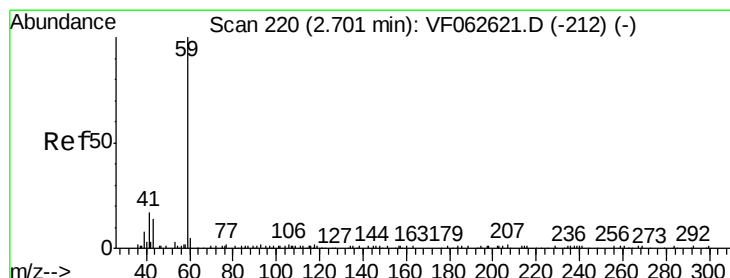
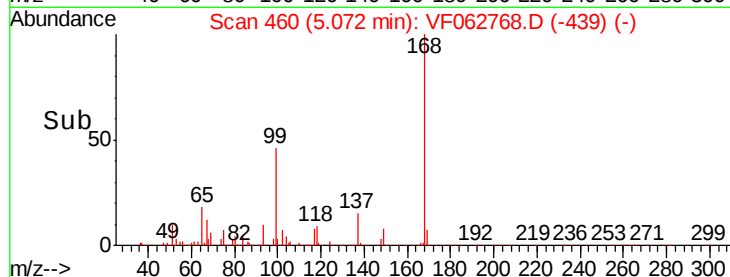
150000

100000

50000

0

Time--> 4.90 5.00 5.10 5.20



#11

Tert butyl alcohol

Concen: 4.033 ug/l

RT: 2.70 min Scan# 219

Delta R.T. -0.00 min

Lab File: VF062768.D

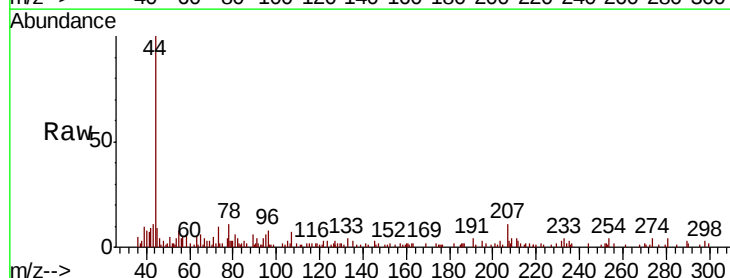
Acq: 28 May 2019 18:49

Tgt Ion: 59 Resp: 1306

Ion Ratio Lower Upper

59 100

57 87.6 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.70

1000

800

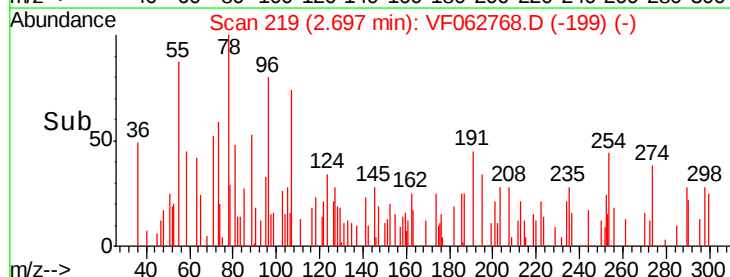
600

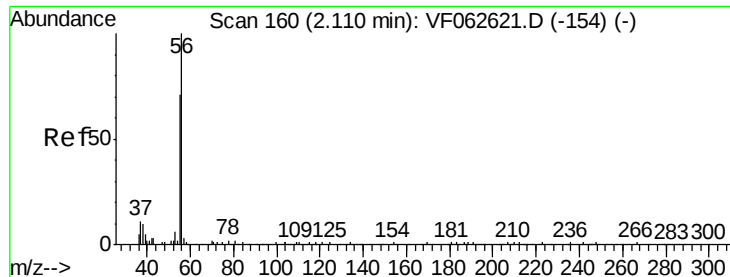
400

200

0

Time--> 2.60 2.65 2.70 2.75 2.80





#13

Acrolein

Concen: 3.476 ug/l

RT: 2.06 min Scan# 154

Delta R.T. -0.05 min

Lab File: VF062768.D

Acq: 28 May 2019 18:49

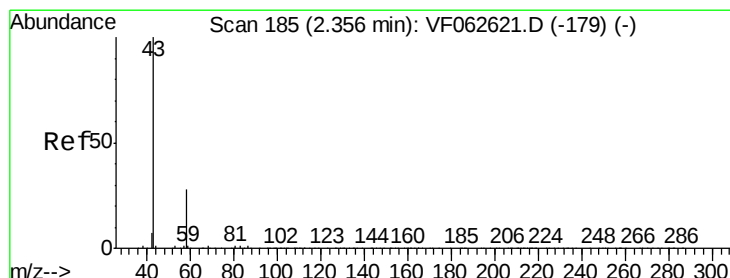
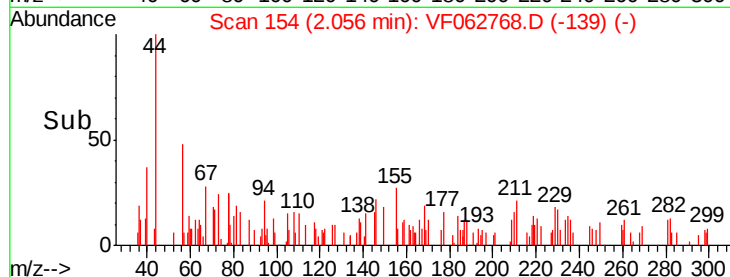
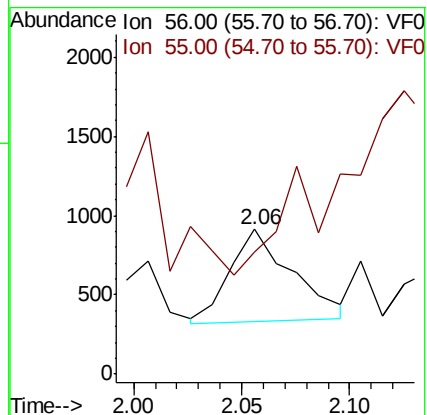
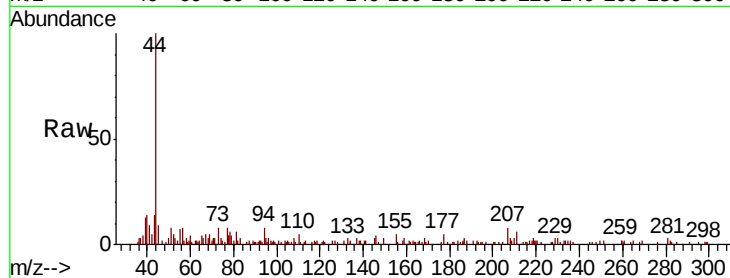
Instrument :
MSVOA_F
ClientSampled :
TP-4

Tot Ion: 56 Resp: 1175

Ion Ratio Lower Upper

56 100

55 84.3 59.4 89.0



#16

Acetone

Concen: 19.945 ug/l

RT: 2.36 min Scan# 185

Delta R.T. 0.01 min

Lab File: VF062768.D

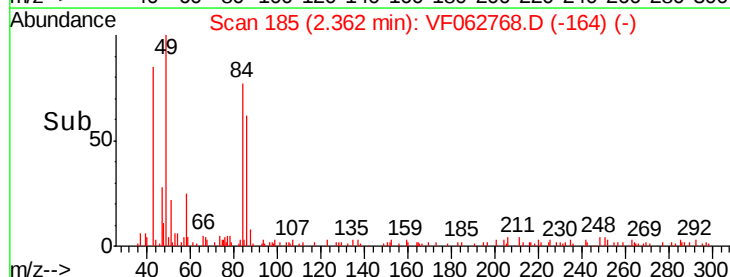
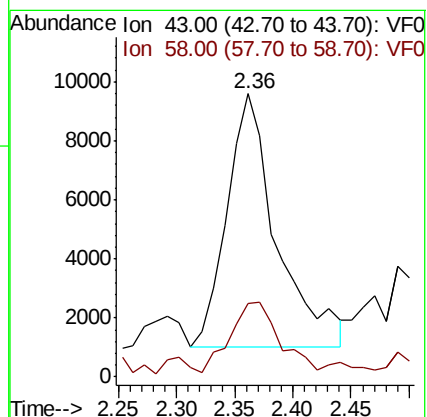
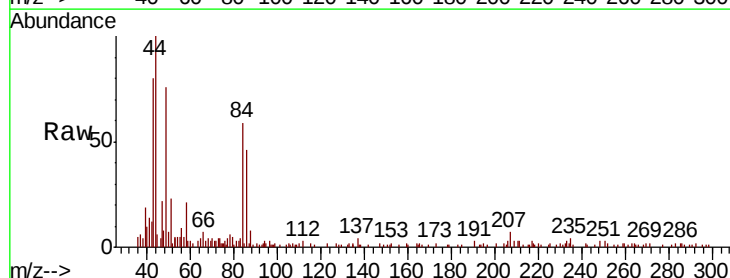
Acq: 28 May 2019 18:49

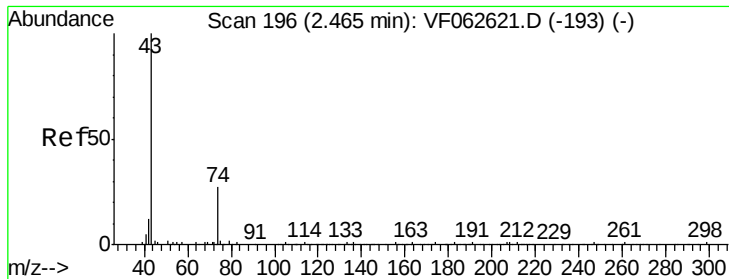
Tgt Ion: 43 Resp: 25377

Ion Ratio Lower Upper

43 100

58 25.8 22.6 33.8

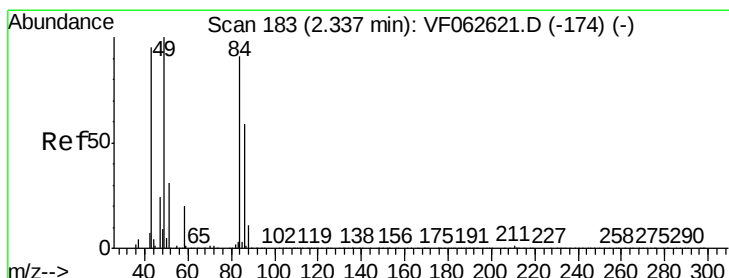
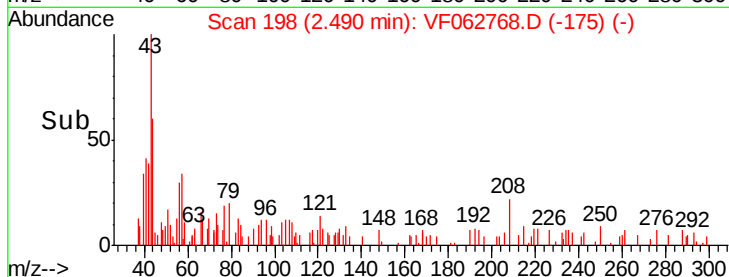
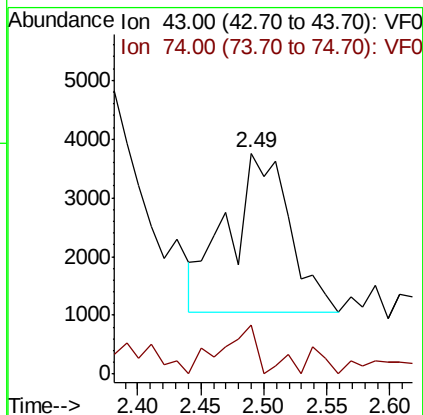
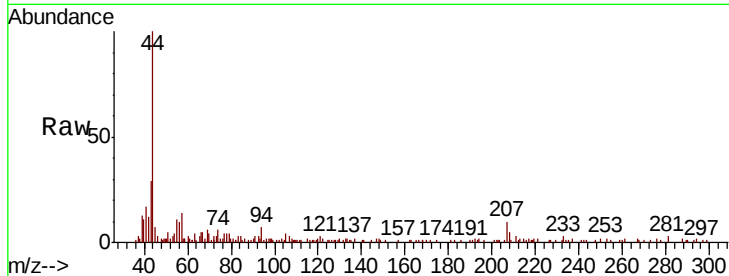




#18
Methyl Acetate
Concen: 4.544 ug/l
RT: 2.49 min Scan# 198
Delta R.T. 0.02 min
Lab File: VF062768.D
Acq: 28 May 2019 18:49

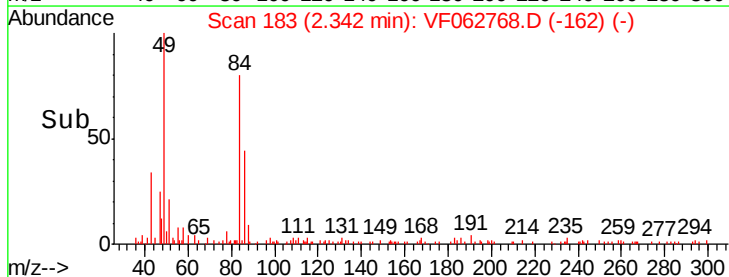
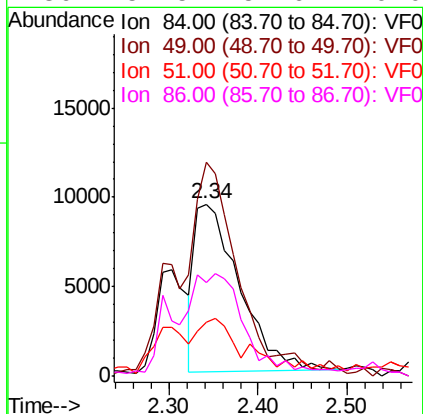
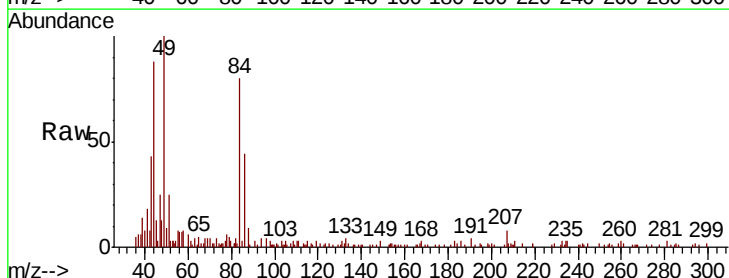
Instrument :
MSVOA_F
ClientSampled :
TP-4

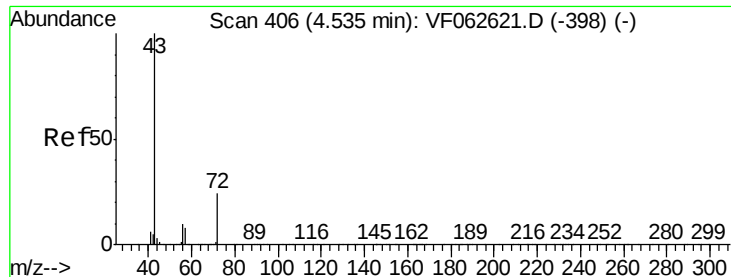
Tot Ion: 43 Resp: 9085
Ion Ratio Lower Upper
43 100
74 22.2 18.9 28.3



#20
Methylene Chloride
Concen: 5.063 ug/l
RT: 2.34 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF062768.D
Acq: 28 May 2019 18:49

Tgt Ion: 84 Resp: 32289
Ion Ratio Lower Upper
84 100
49 124.3 89.8 134.8
51 31.6 28.4 42.6
86 54.5 52.6 79.0





#25

2-Butanone

Concen: 1.941 ug/l

RT: 4.55 min Scan# 407

Delta R.T. 0.01 min

Lab File: VF062768.D

Acq: 28 May 2019 18:49

Instrument :

MSVOA_F

ClientSampled :

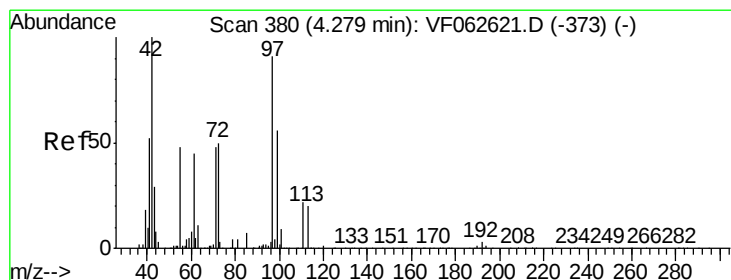
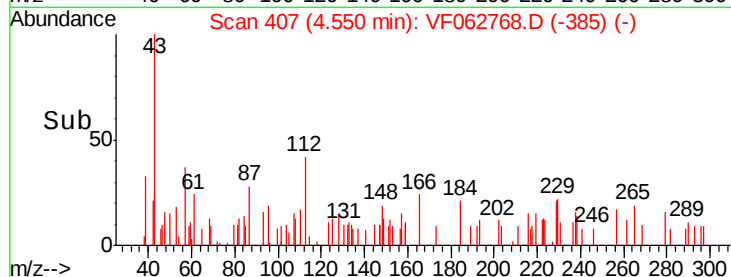
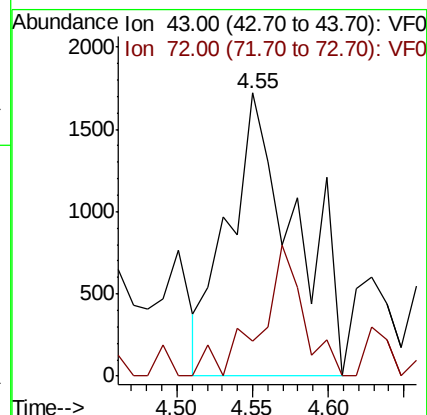
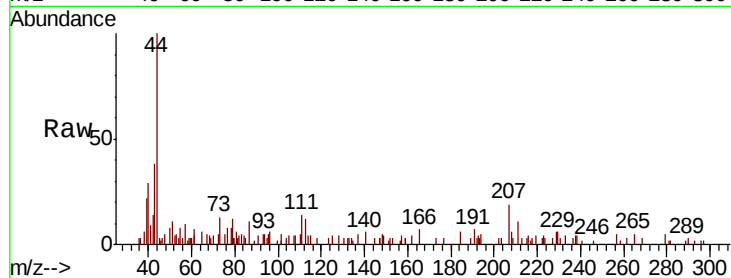
TP-4

Tot Ion: 43 Resp: 5276

Ion Ratio Lower Upper

43 100

72 12.3 20.1 30.1#



#29

Tetrahydrofuran

Concen: 1.296 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.02 min

Lab File: VF062768.D

Acq: 28 May 2019 18:49

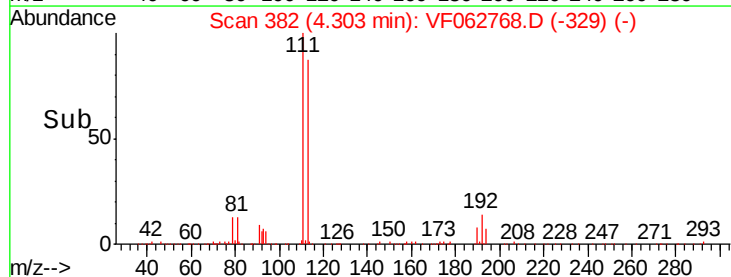
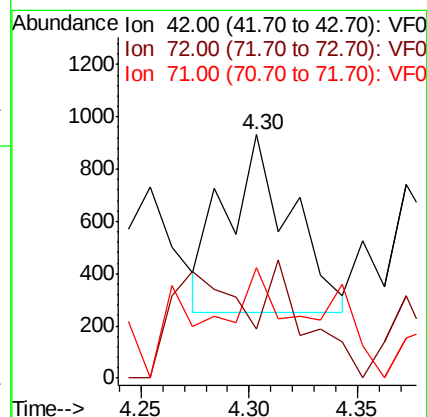
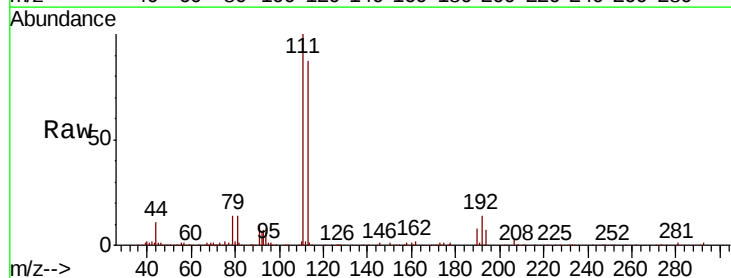
Tgt Ion: 42 Resp: 1426

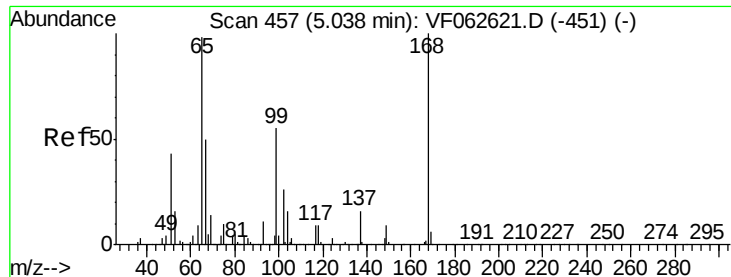
Ion Ratio Lower Upper

42 100

72 0.0 38.2 57.2#

71 87.2 35.8 53.6#

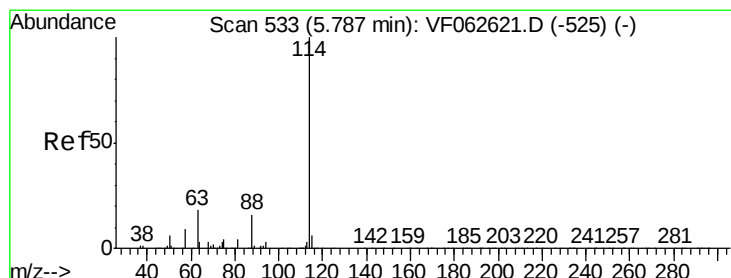
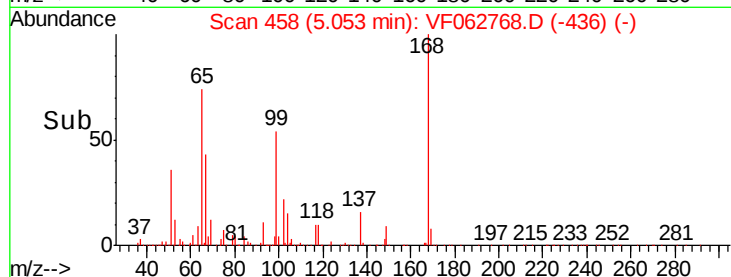
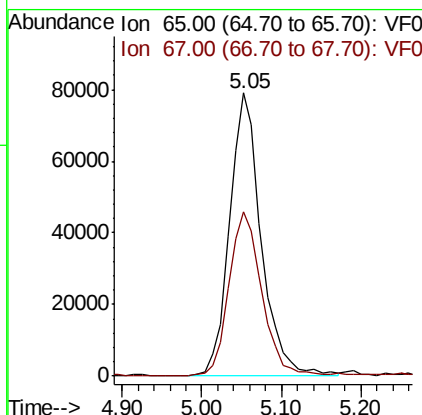
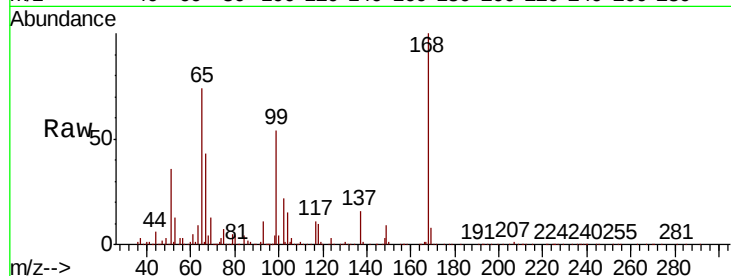




#33
 1,2-Dichloroethane-d4
 Concen: 44.280 ug/l
 RT: 5.05 min Scan# 458
 Delta R.T. 0.01 min
 Lab File: VF062768.D
 Acq: 28 May 2019 18:49

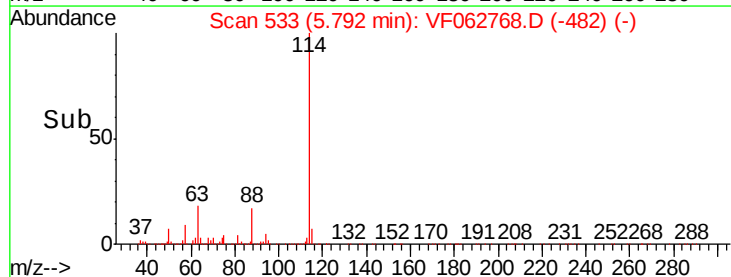
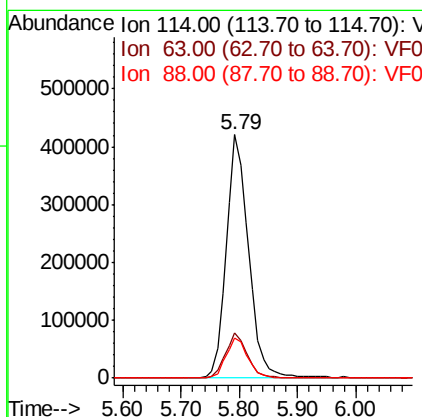
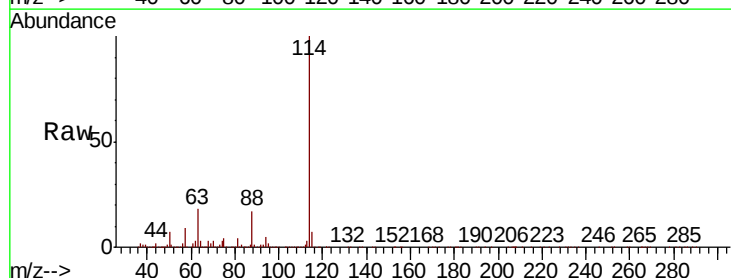
Instrument :
 MSVOA_F
 ClientSampleId :
 TP-4

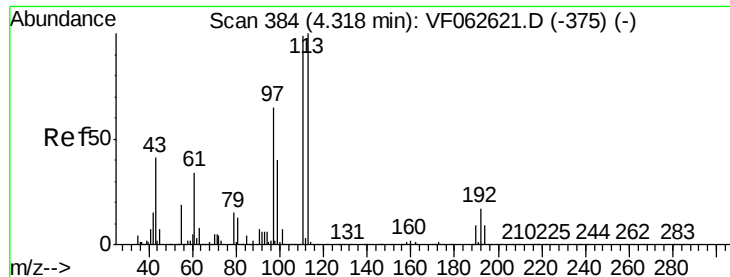
Tot Ion: 65 Resp: 217162
 Ion Ratio Lower Upper
 65 100
 67 58.2 0.0 117.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.79 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VF062768.D
 Acq: 28 May 2019 18:49

Tgt Ion:114 Resp: 1118042
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 35.4
 88 16.5 0.0 32.4

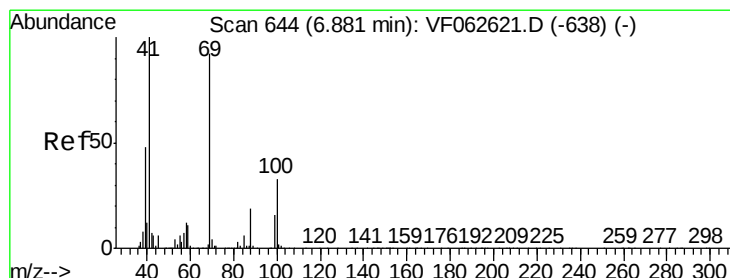
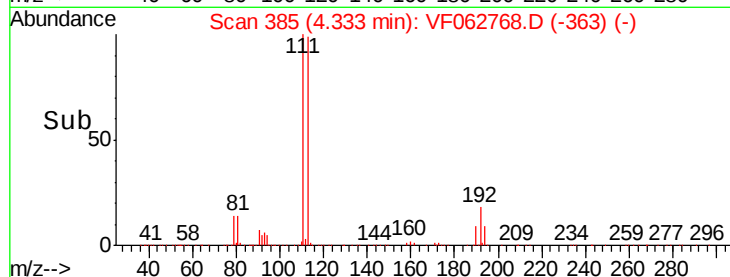
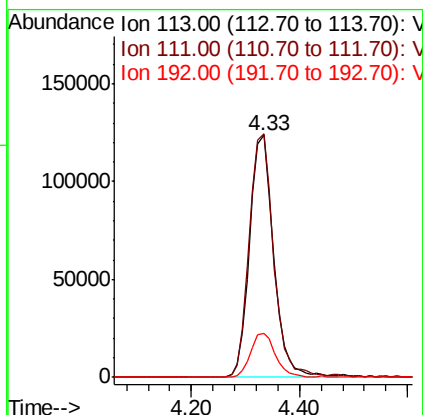
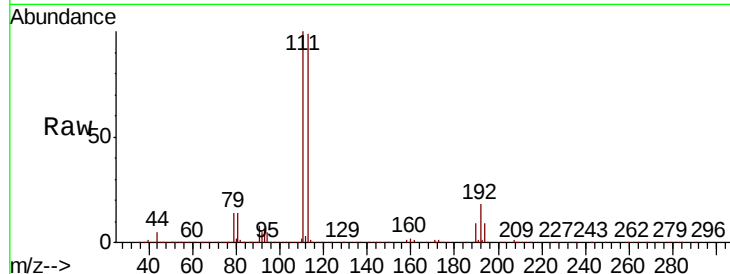




#35
 Dibromofluoromethane
 Concen: 44.516 ug/l
 RT: 4.33 min Scan# 385
 Delta R.T. 0.01 min
 Lab File: VF062768.D
 Acq: 28 May 2019 18:49

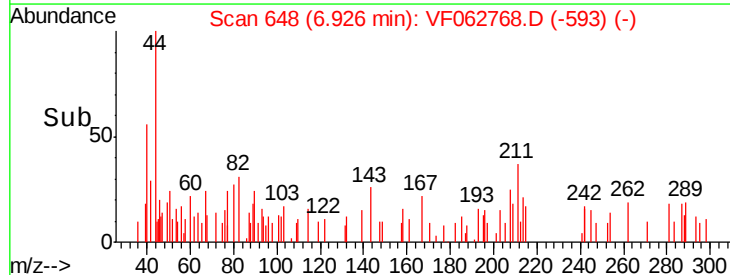
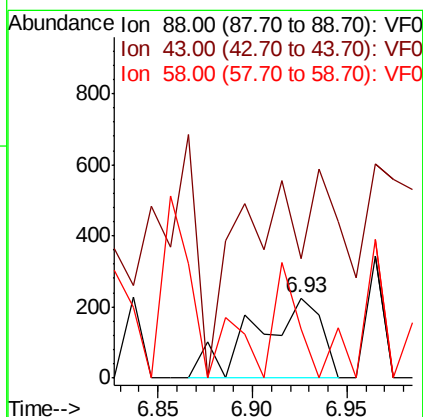
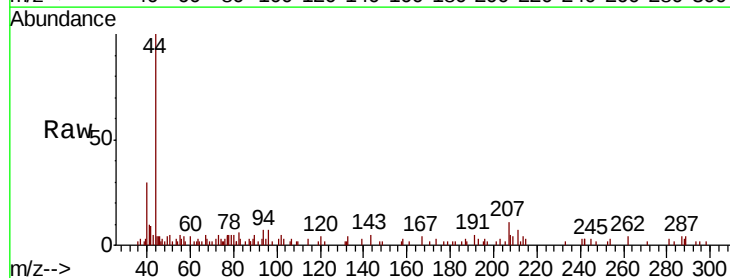
Instrument :
 MSVOA_F
 ClientSampleId :
 TP-4

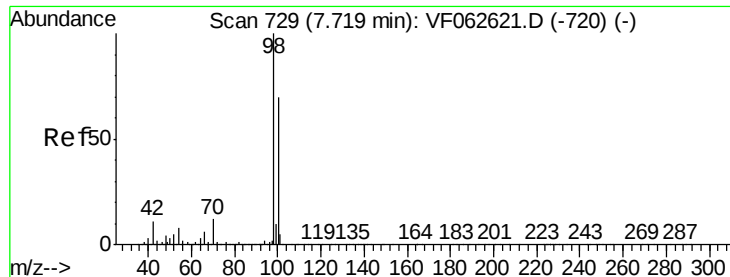
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.5	79.4	119.2
192	18.3	13.4	20.2



#49
 1,4-Dioxane
 Concen: 13.508 ug/l
 RT: 6.93 min Scan# 648
 Delta R.T. 0.04 min
 Lab File: VF062768.D
 Acq: 28 May 2019 18:49

Tgt Ion	Ratio	Lower	Upper
88	100		
43	149.3	30.0	45.0#
58	60.9	51.1	76.7

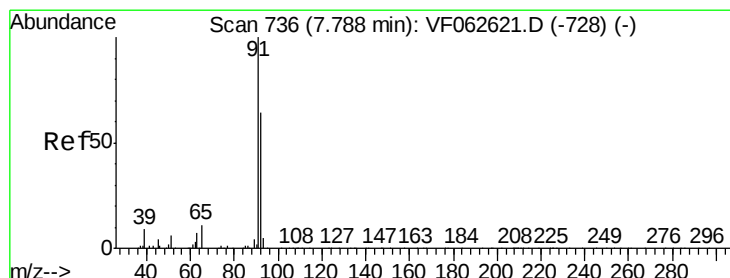
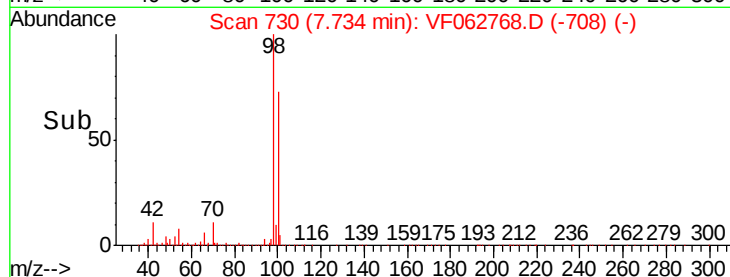
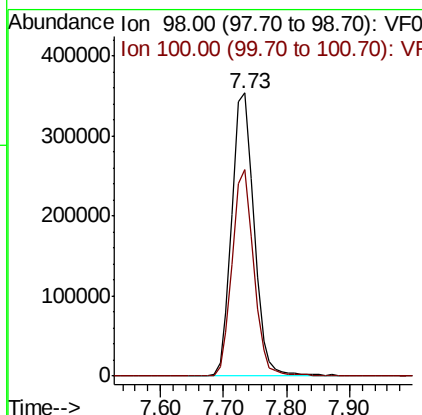
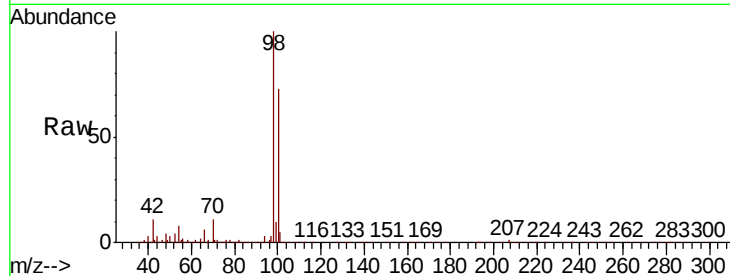




#50
Toluene-d8
Concen: 42.397 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.01 min
Lab File: VF062768.D
Acq: 28 May 2019 18:49

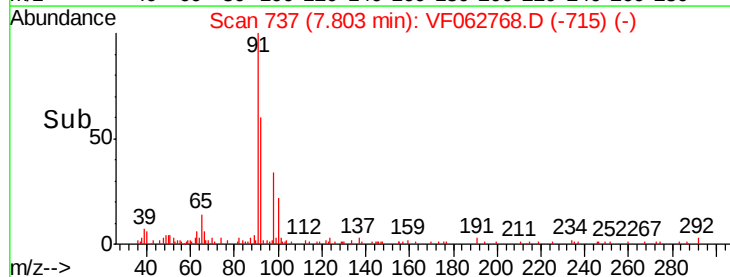
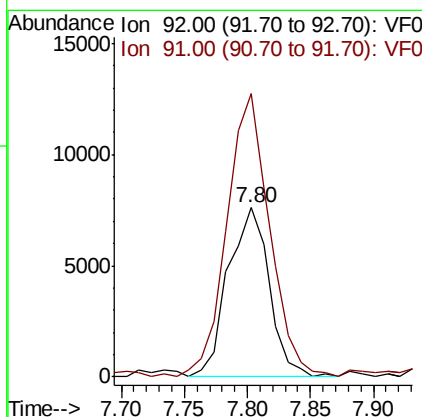
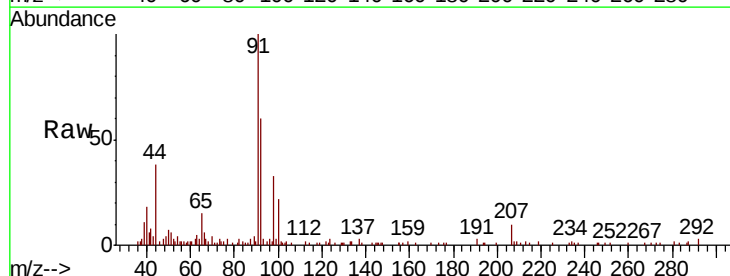
Instrument :
MSVOA_F
ClientSampleId :
TP-4

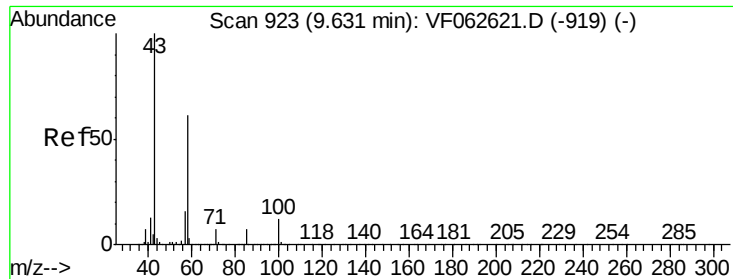
Tot Ion: 98 Resp: 866029
Ion Ratio Lower Upper
98 100
100 73.1 56.2 84.2



#52
Toluene
Concen: 1.047 ug/l
RT: 7.80 min Scan# 737
Delta R.T. 0.02 min
Lab File: VF062768.D
Acq: 28 May 2019 18:49

Tgt Ion: 92 Resp: 17140
Ion Ratio Lower Upper
92 100
91 167.5 125.4 188.0

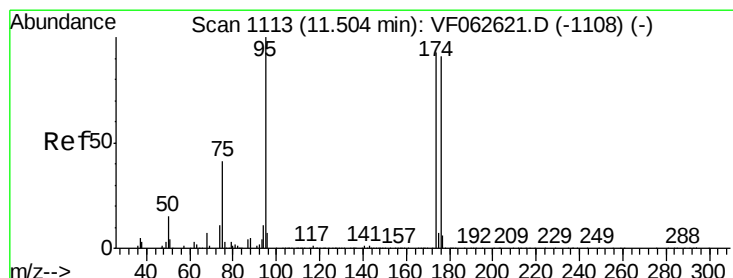
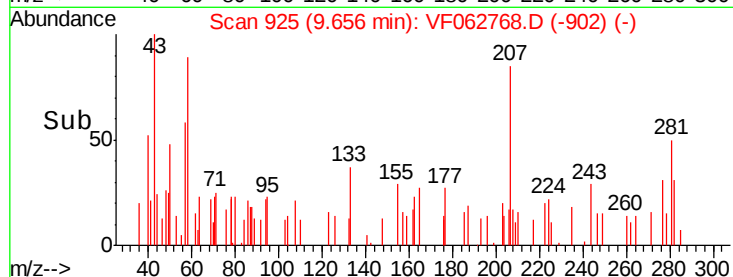
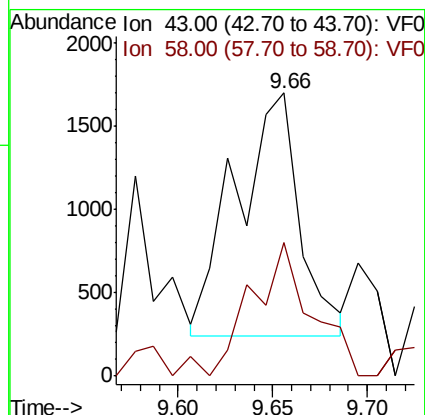
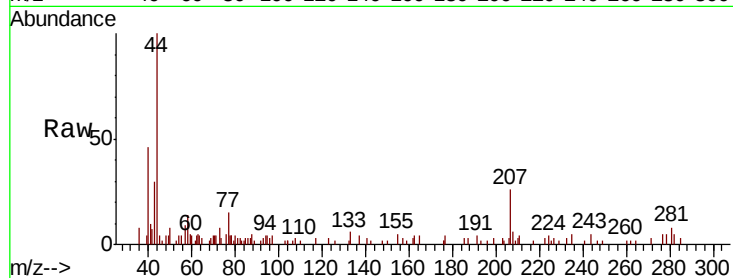




#59
2-Hexanone
Concen: Below Cal
RT: 9.66 min Scan# 925
Delta R.T. 0.02 min
Lab File: VF062768.D
Acq: 28 May 2019 18:49

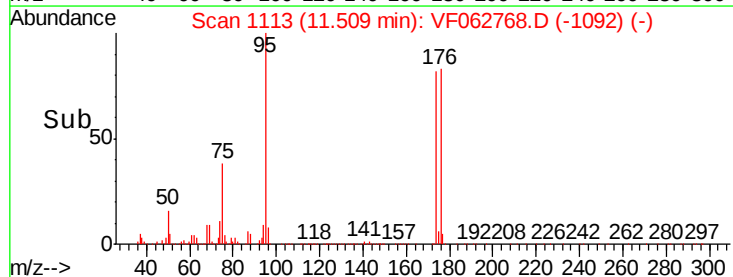
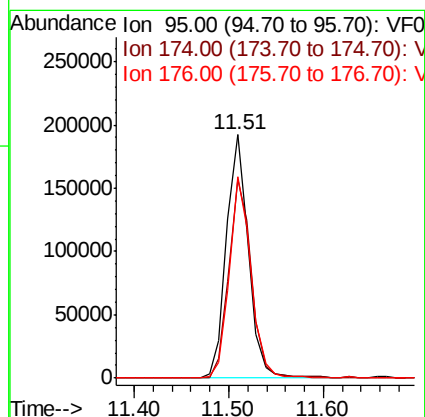
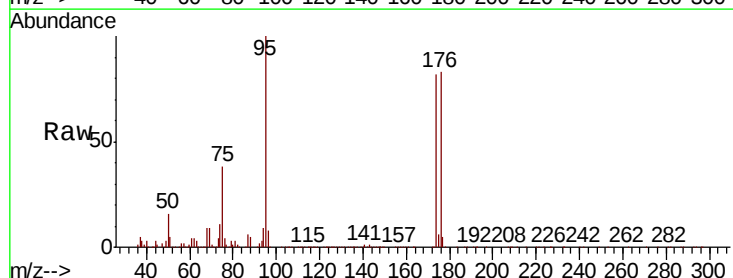
Instrument :
MSVOA_F
ClientSampleId :
TP-4

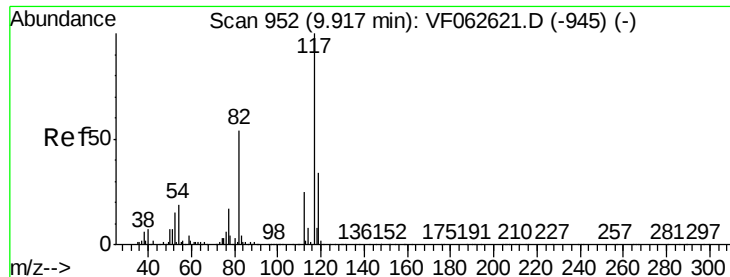
Tot Ion: 43 Resp: 3400
Ion Ratio Lower Upper
43 100
58 47.0 28.1 84.4



#62
4-Bromofluorobenzene
Concen: 39.806 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VF062768.D
Acq: 28 May 2019 18:49

Tgt Ion: 95 Resp: 308383
Ion Ratio Lower Upper
95 100
174 81.6 0.0 185.6
176 82.7 0.0 182.4

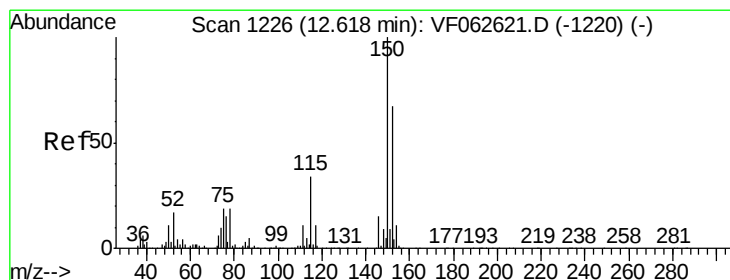
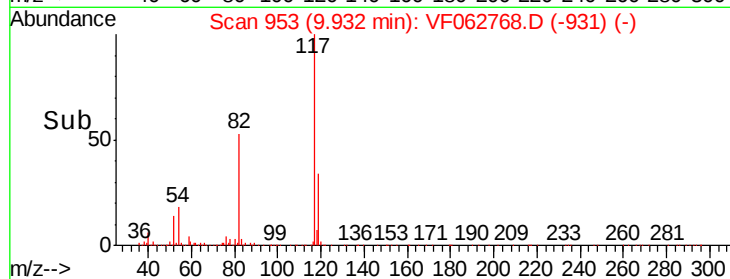
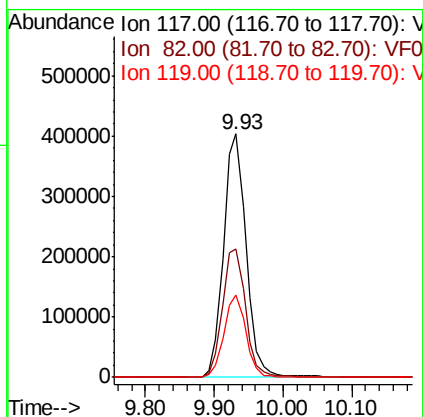
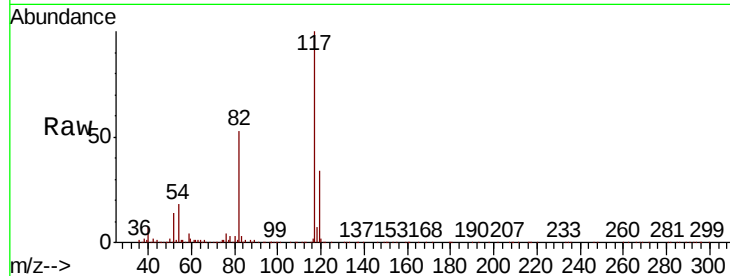




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF062768.D
Acq: 28 May 2019 18:49

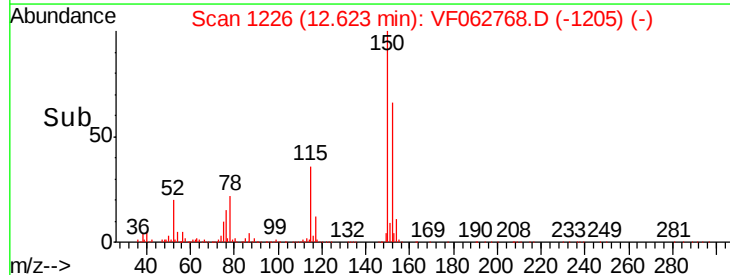
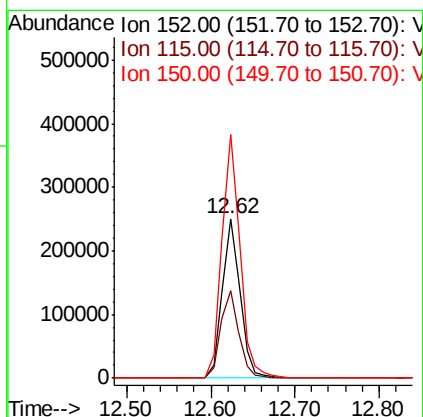
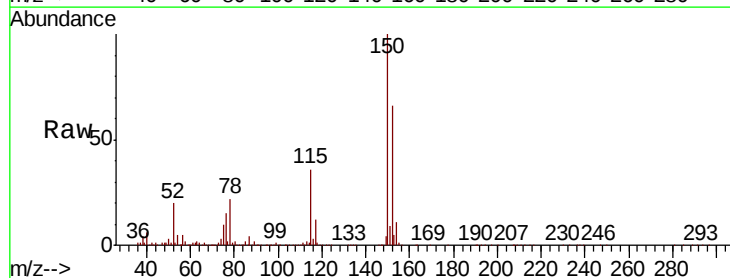
Instrument :
MSVOA_F
ClientSampled :
TP-4

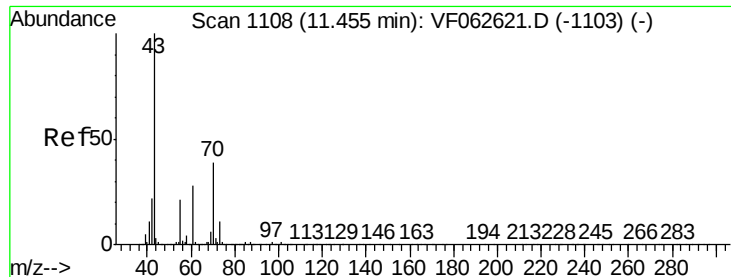
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	43.3	64.9
119	33.9	27.4	41.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VF062768.D
Acq: 28 May 2019 18:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	25.2	75.6
150	152.4	0.0	306.2

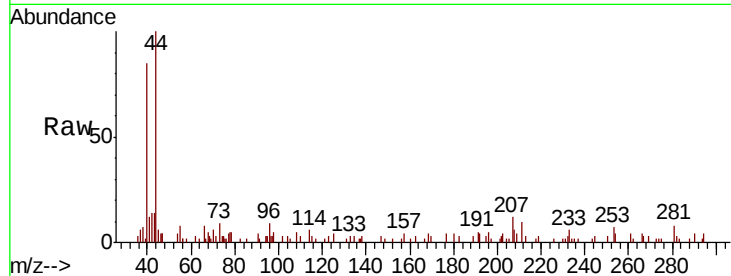




#74
 N-amvl acetate
 Concen: Below Cal
 RT: 11.46 min Scan# 1108
 Delta R.T. 0.01 min
 Lab File: VF062768.D
 Acq: 28 May 2019 18:49

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-4

Tot Ion:	43	Resp:	1429
Ion	Ratio	Lower	Upper
43	100		
70	42.3	30.9	46.3
55	58.9	17.0	25.4#
61	0.0	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

