

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052919\
 Data File : VF062779.D
 Acq On : 29 May 2019 13:36
 Operator : FY/SY
 Sample : K3072-06RE
 Misc : 6.06g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 30 08:38:37 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	5.08	168	788226	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1348705	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	1050780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	451941	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	219010	39.32	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	78.64%	
35) Dibromofluoromethane	4.33	113	389376	37.73	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	75.46%	
50) Toluene-d8	7.73	98	913219	37.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	74.12%	
62) 4-Bromofluorobenzene	11.50	95	336385	35.99	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	71.98%	

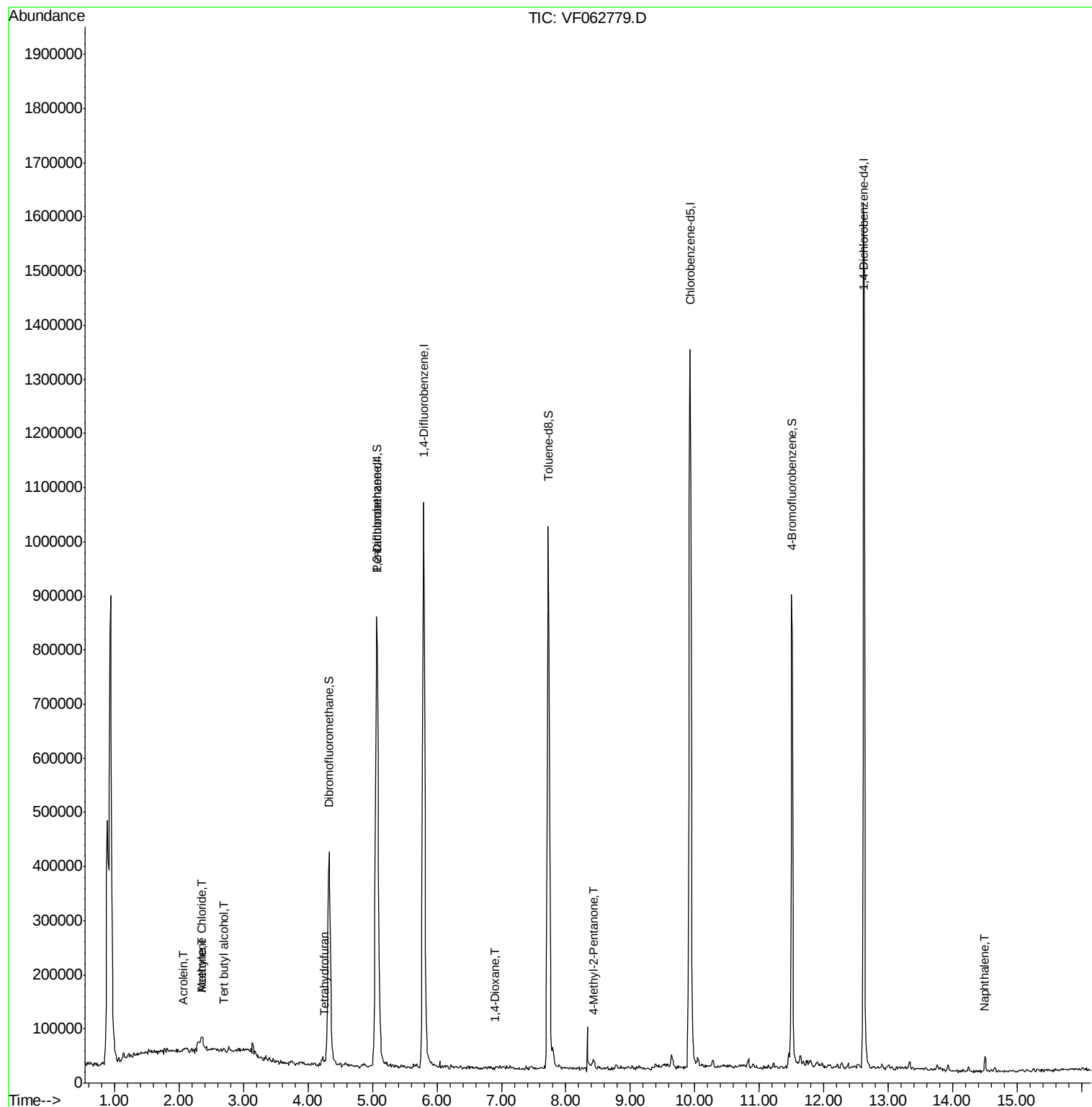
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.70	59	1359	3.696	ug/l #	4
13) Acrolein	2.05	56	1331	3.467	ug/l	95
16) Acetone	2.37	43	2187	1.513	ug/l #	74
20) Methylene Chloride	2.36	84	29948	4.135	ug/l #	88
29) Tetrahydrofuran	4.26	42	2298	1.839	ug/l #	46
49) 1,4-Dioxane	6.89	88	285	5.824	ug/l #	69
51) 4-Methyl-2-Pentanone	8.42	43	17156	3.433	ug/l	91
59) 2-Hexanone	9.64	43	22782	Below Cal		82
74) N-amyl acetate	11.45	43	16291	Below Cal	#	89
95) Naphthalene	14.50	128	20212	1.197	ug/l #	92

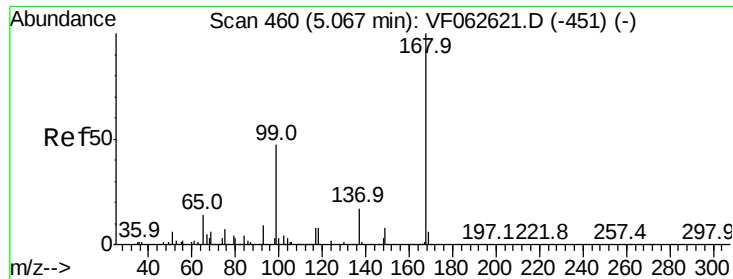
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.08 min Scan# 461

Delta R.T. 0.01 min

Lab File: VF062779.D

Acq: 29 May 2019 13:36

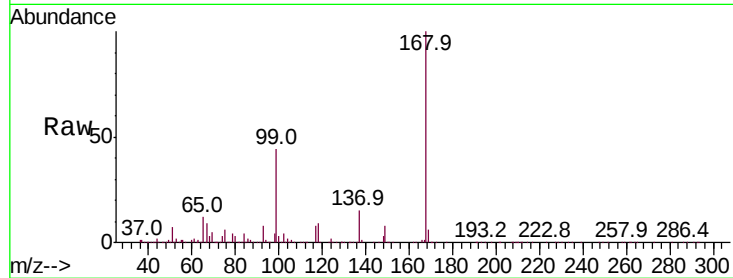
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 788226

Ion Ratio Lower Upper

168 100

99 43.8 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.08

250000

200000

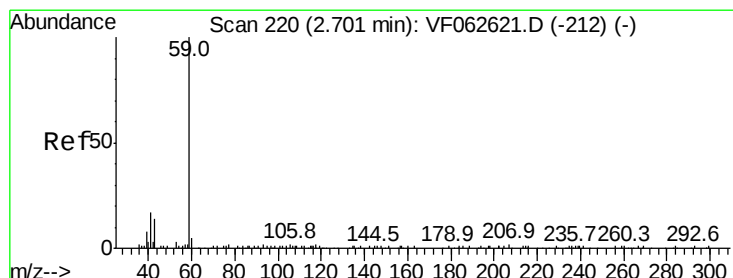
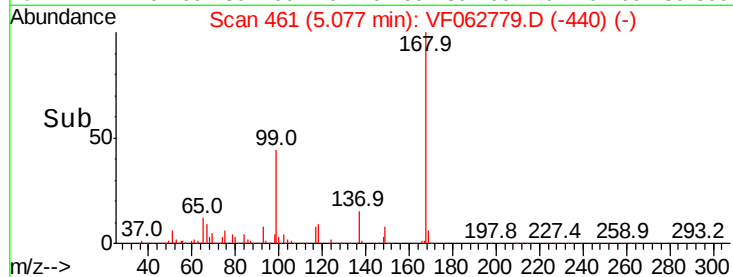
150000

100000

50000

0

Time--> 4.90 5.00 5.10 5.20



#11

Tert butyl alcohol

Concen: 3.696 ug/l

RT: 2.70 min Scan# 220

Delta R.T. -0.00 min

Lab File: VF062779.D

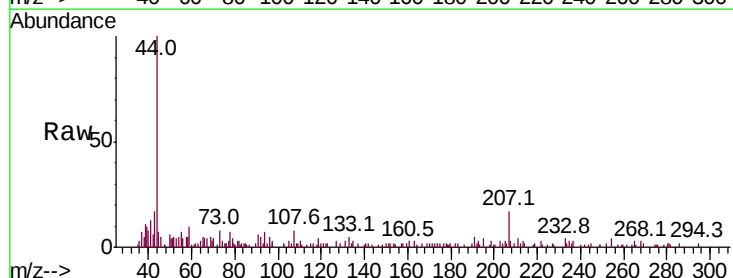
Acq: 29 May 2019 13:36

Tgt Ion: 59 Resp: 1359

Ion Ratio Lower Upper

59 100

57 48.4 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

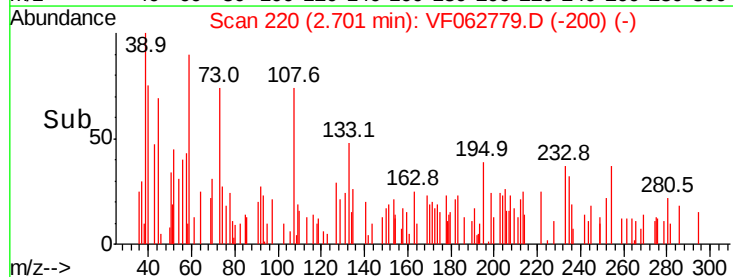
600

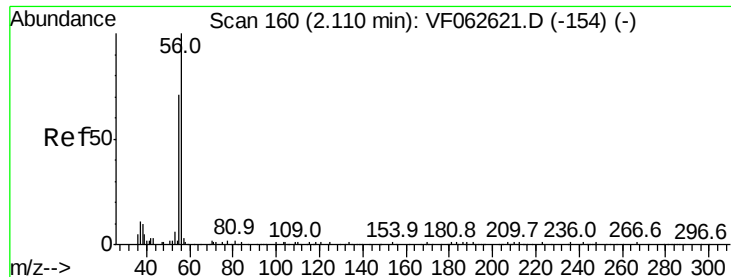
400

200

0

Time--> 2.65 2.70





#13

Acrolein

Concen: 3.467 ug/l

RT: 2.05 min Scan# 154

Delta R.T. -0.06 min

Lab File: VF062779.D

Acq: 29 May 2019 13:36

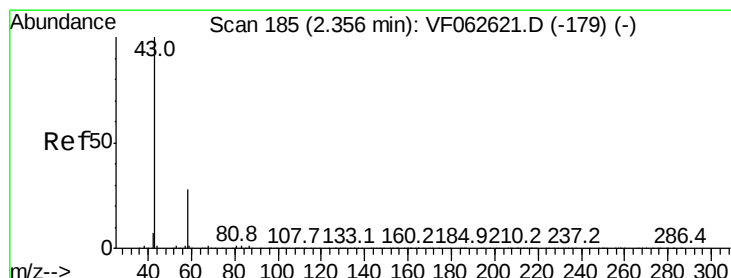
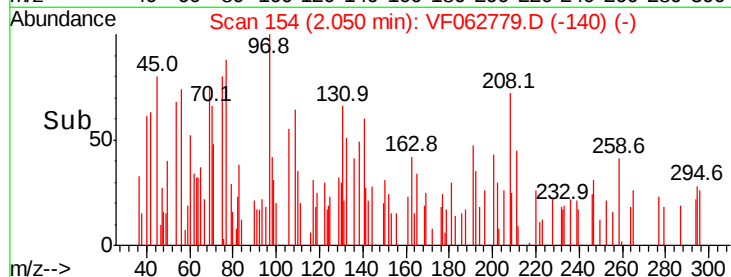
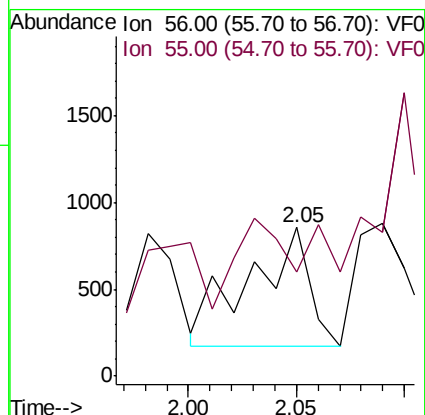
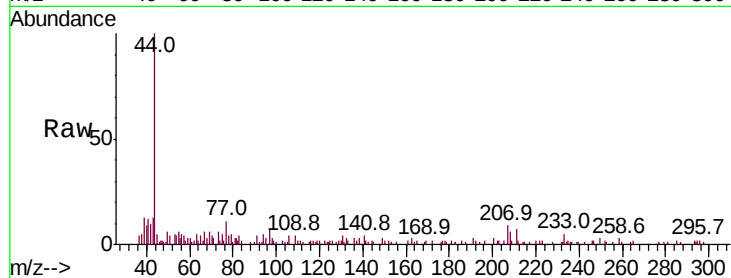
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 1331

Ion Ratio Lower Upper

56 100

55 70.1 59.4 89.0



#16

Acetone

Concen: 1.513 ug/l

RT: 2.37 min Scan# 186

Delta R.T. 0.01 min

Lab File: VF062779.D

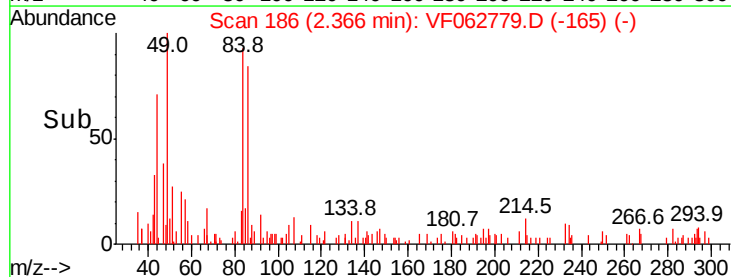
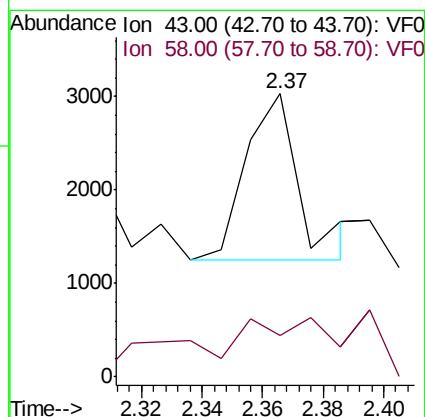
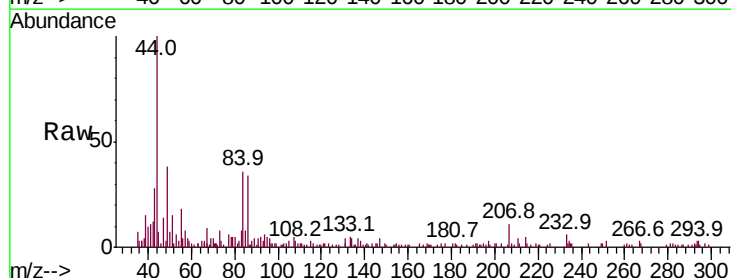
Acq: 29 May 2019 13:36

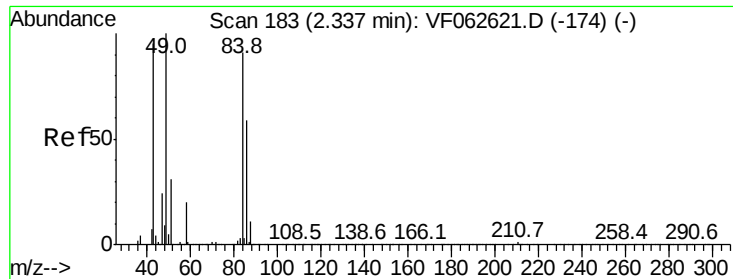
Tgt Ion: 43 Resp: 2187

Ion Ratio Lower Upper

43 100

58 14.5 22.6 33.8#

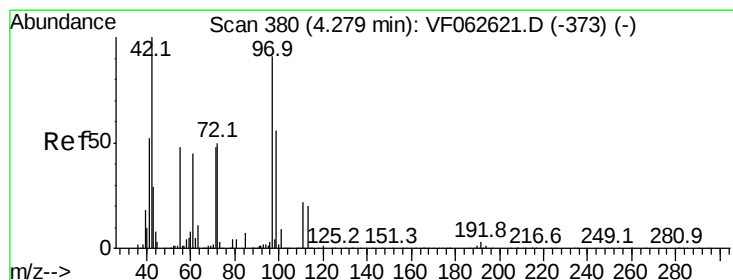
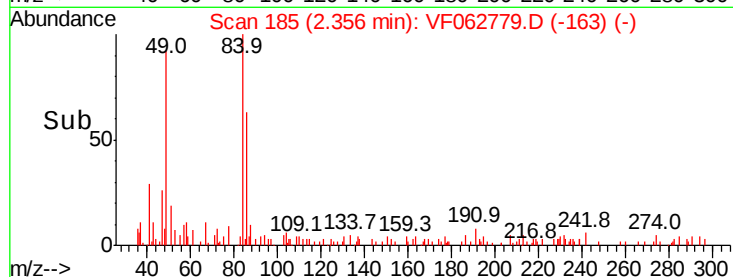
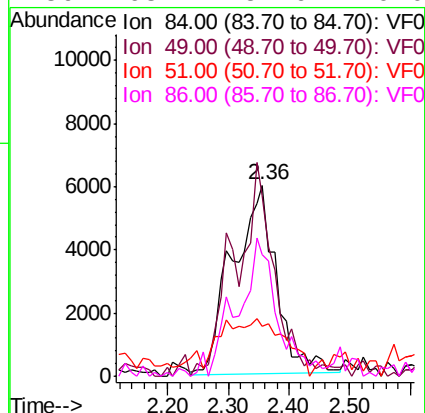
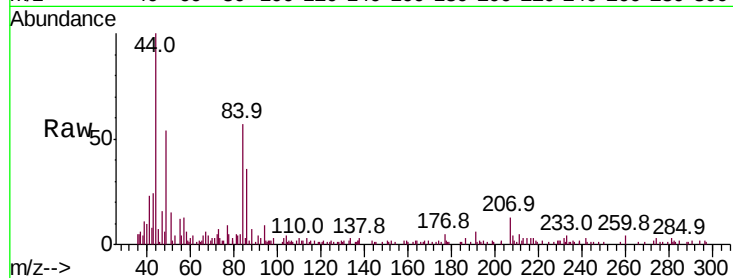




#20
Methvlene Chloride
Concen: 4.135 ug/l
RT: 2.36 min Scan# 185
Delta R.T. 0.02 min
Lab File: VF062779.D
Acq: 29 May 2019 13:36

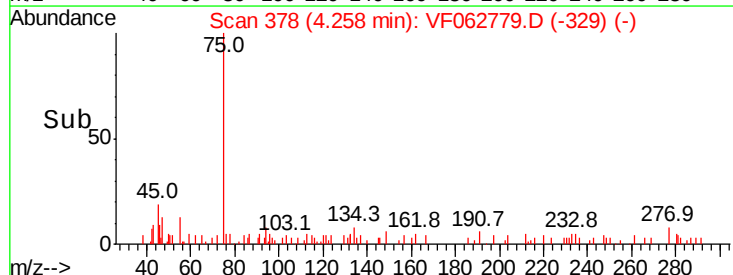
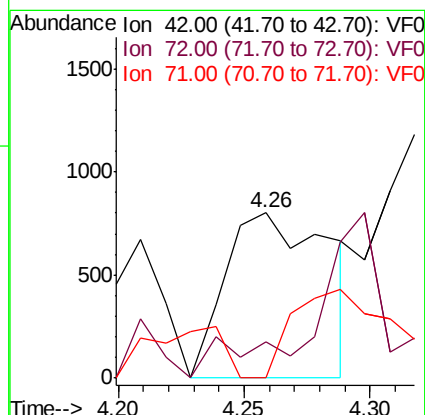
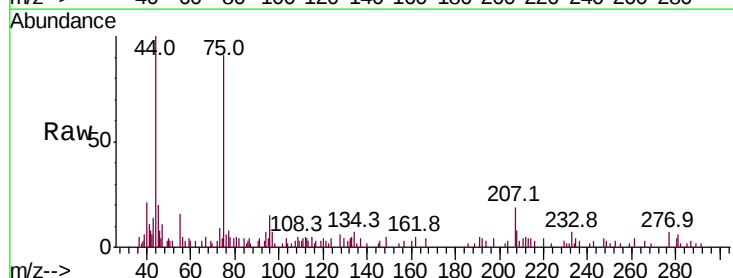
Instrument :
MSVOA_F
ClientSampled :

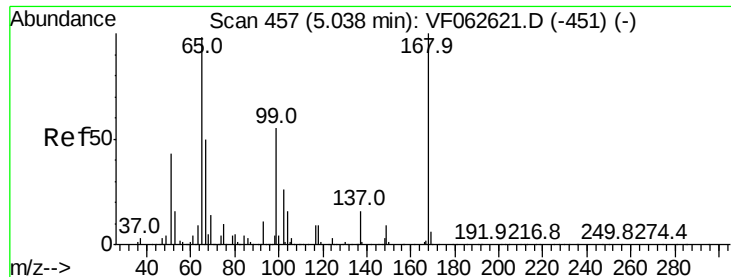
Tot Ion:	84	Resp:	29948
Ion	Ratio	Lower	Upper
84	100		
49	94.4	89.8	134.8
51	26.5	28.4	42.6#
86	63.4	52.6	79.0



#29
Tetrahydrofuran
Concen: 1.839 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.02 min
Lab File: VF062779.D
Acq: 29 May 2019 13:36

Tgt Ion:	42	Resp:	2298
Ion	Ratio	Lower	Upper
42	100		
72	0.0	38.2	57.2#
71	21.7	35.8	53.6#





#33

1,2-Dichloroethane-d4

Concen: 39.320 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.02 min

Lab File: VF062779.D

Acq: 29 May 2019 13:36

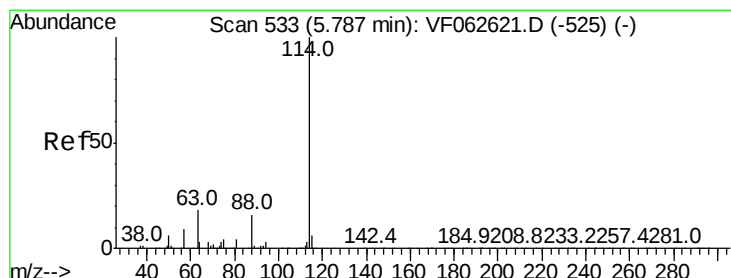
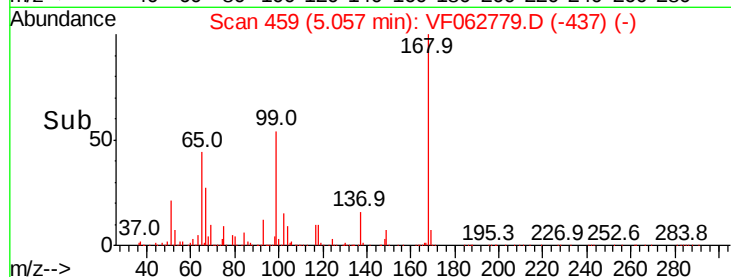
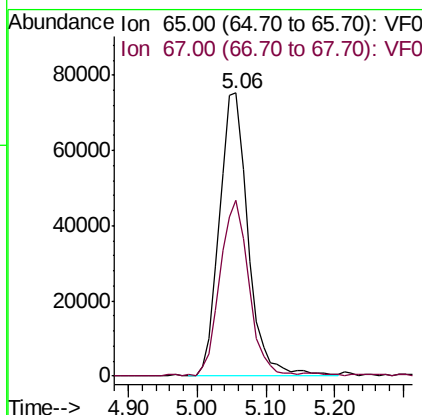
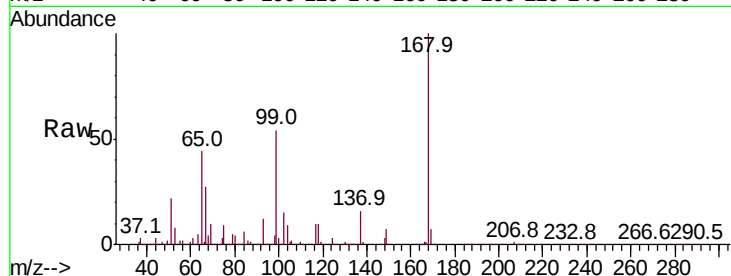
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 65 Resp: 219010

Ion Ratio Lower Upper

65 100

67 62.1 0.0 117.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.80 min Scan# 534

Delta R.T. 0.01 min

Lab File: VF062779.D

Acq: 29 May 2019 13:36

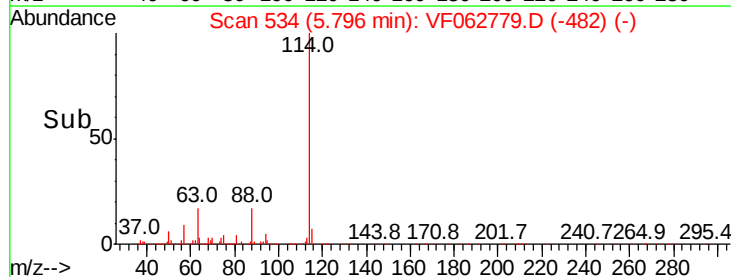
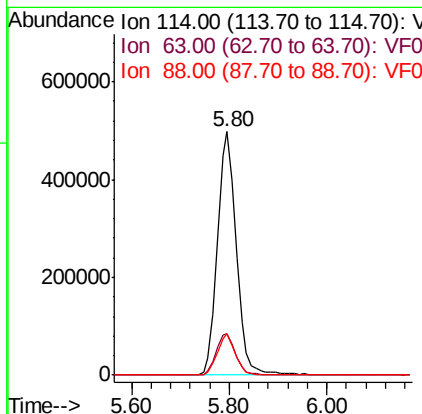
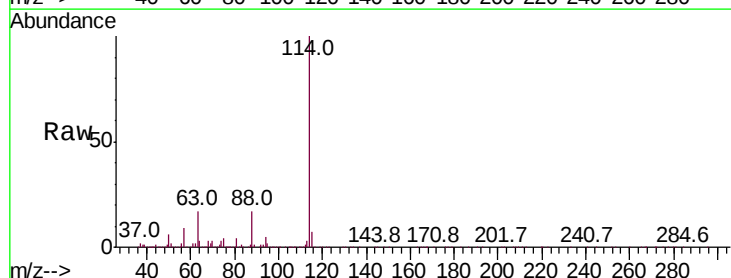
Tgt Ion: 114 Resp: 1348705

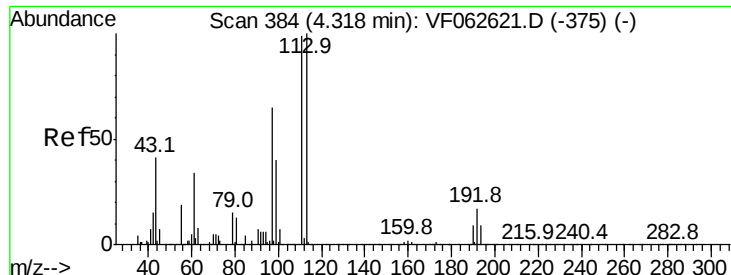
Ion Ratio Lower Upper

114 100

63 17.1 0.0 35.4

88 17.2 0.0 32.4

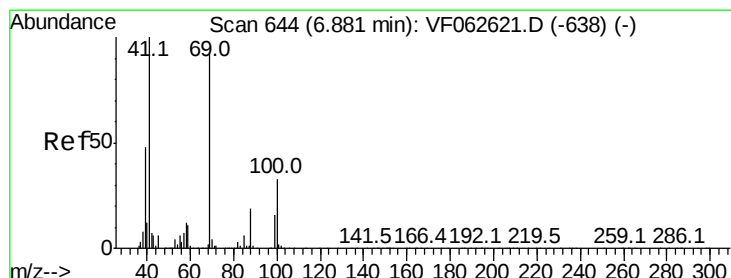
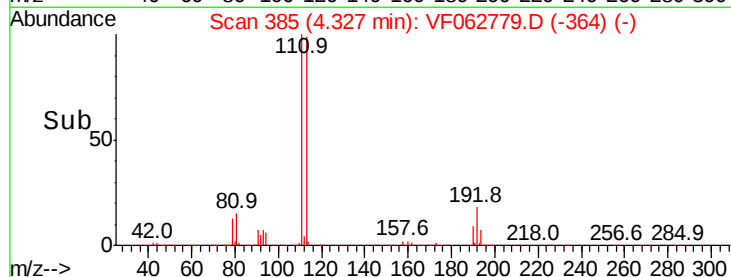
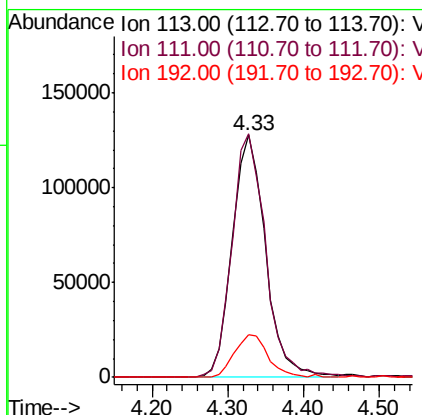
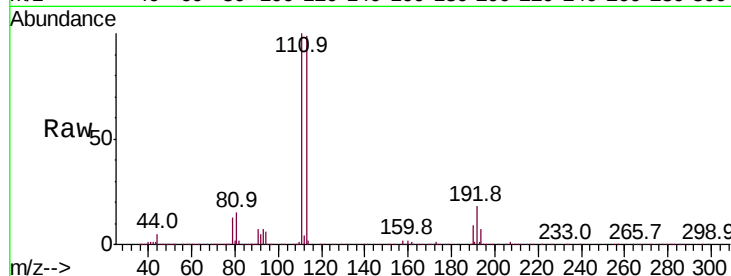




#35
 Dibromofluoromethane
 Concen: 37.729 ug/l
 RT: 4.33 min Scan# 385
 Delta R.T. 0.01 min
 Lab File: VF062779.D
 Acq: 29 May 2019 13:36

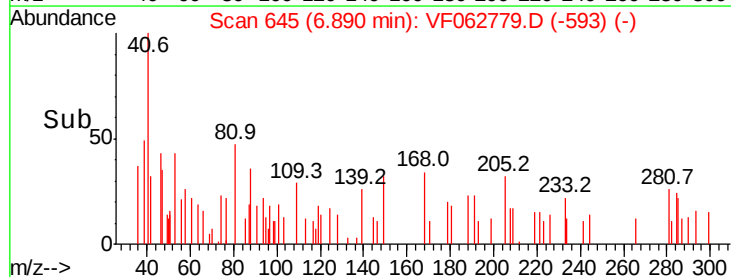
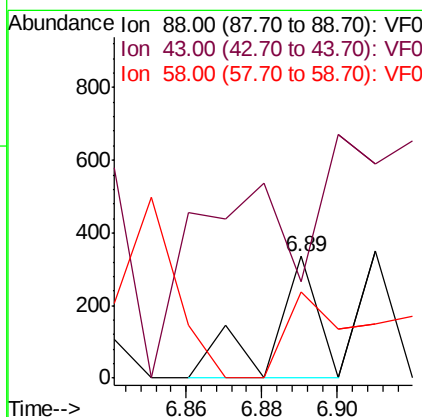
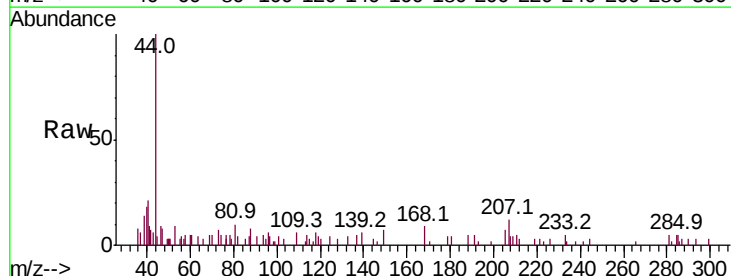
Instrument :
 MSVOA_F
 ClientSampleId :

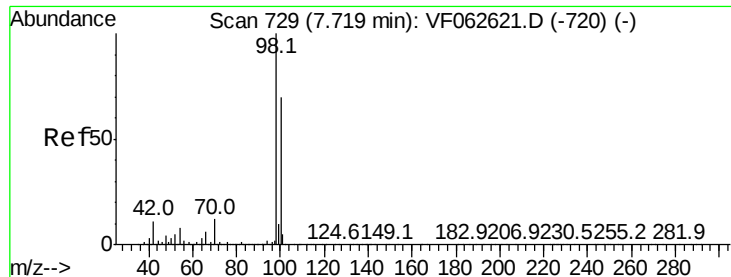
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.5	79.4	119.2
192	17.7	13.4	20.2



#49
 1,4-Dioxane
 Concen: 5.824 ug/l
 RT: 6.89 min Scan# 645
 Delta R.T. 0.01 min
 Lab File: VF062779.D
 Acq: 29 May 2019 13:36

Tgt Ion	Ratio	Lower	Upper
88	100		
43	78.6	30.0	45.0#
58	71.1	51.1	76.7

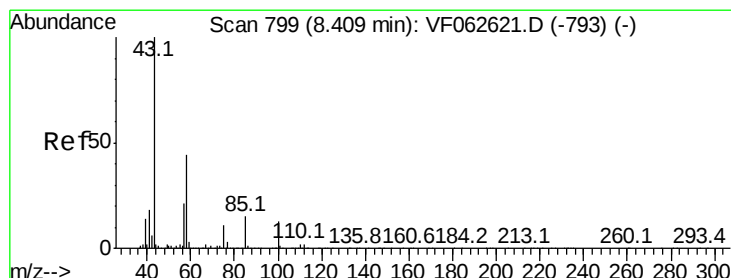
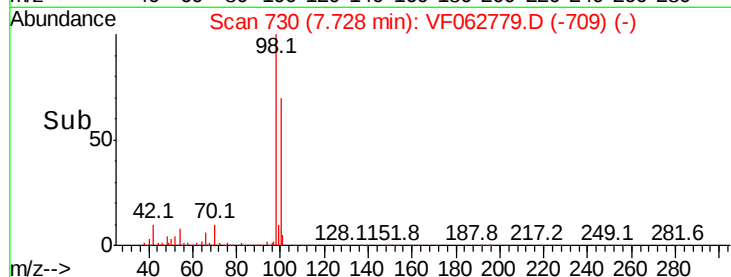
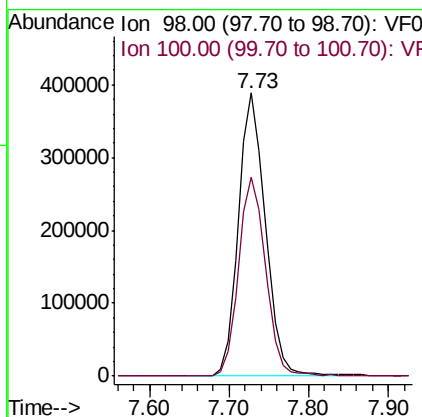
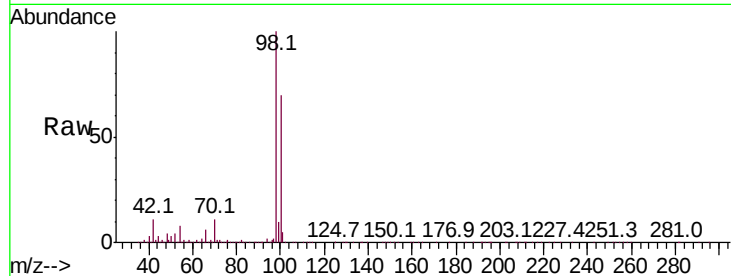




#50
Toluene-d8
Concen: 37.061 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.01 min
Lab File: VF062779.D
Acq: 29 May 2019 13:36

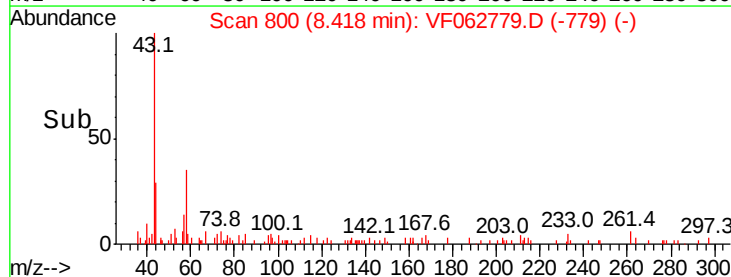
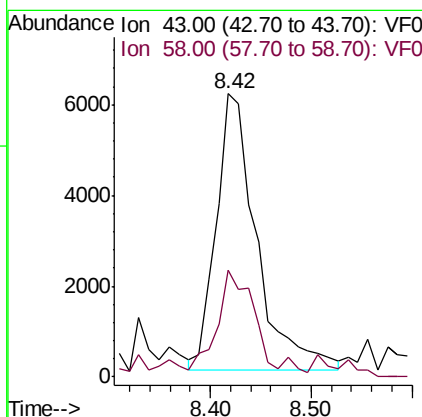
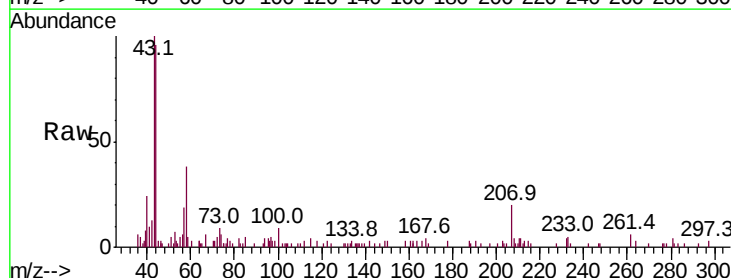
Instrument :
MSVOA_F
ClientSampled :

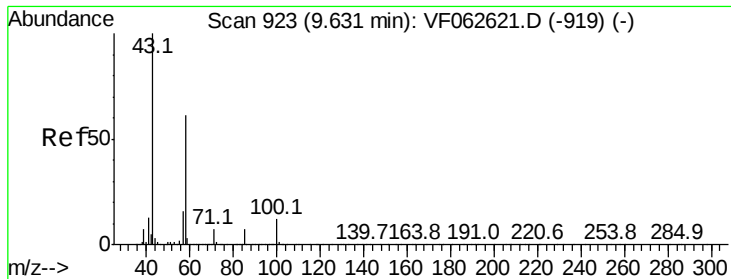
Tot Ion: 98 Resp: 913219
Ion Ratio Lower Upper
98 100
100 70.4 56.2 84.2



#51
4-Methyl-2-Pentanone
Concen: 3.433 ug/l
RT: 8.42 min Scan# 800
Delta R.T. 0.01 min
Lab File: VF062779.D
Acq: 29 May 2019 13:36

Tgt Ion: 43 Resp: 17156
Ion Ratio Lower Upper
43 100
58 37.7 34.9 52.3

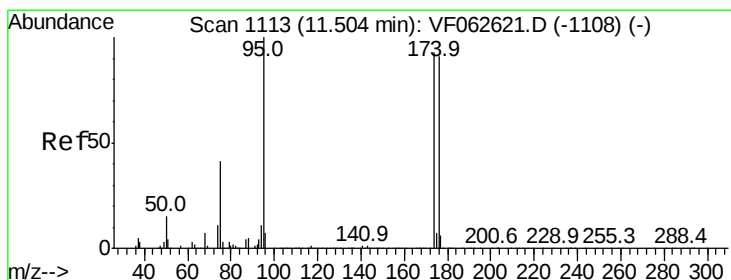
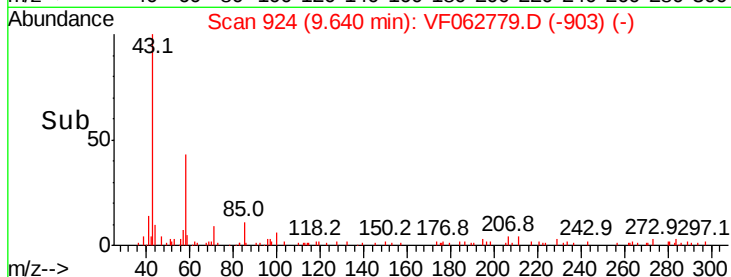
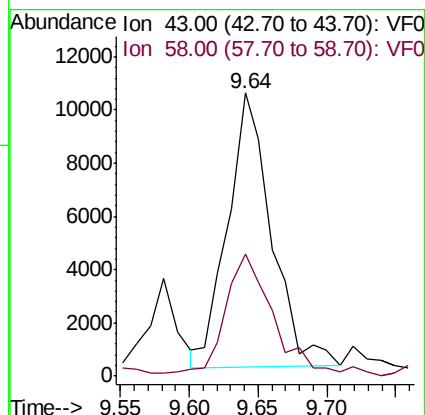
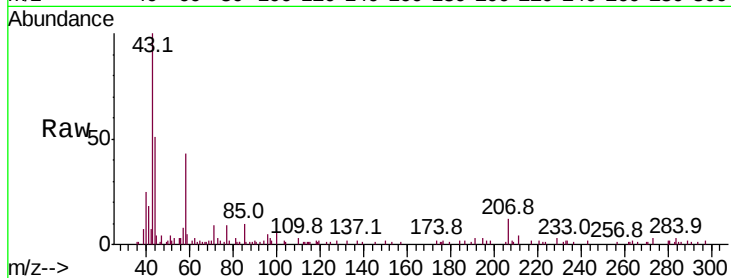




#59
2-Hexanone
Concen: Below Cal
RT: 9.64 min Scan# 924
Delta R.T. 0.01 min
Lab File: VF062779.D
Acq: 29 May 2019 13:36

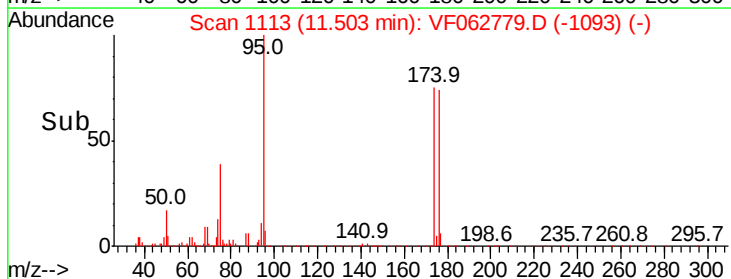
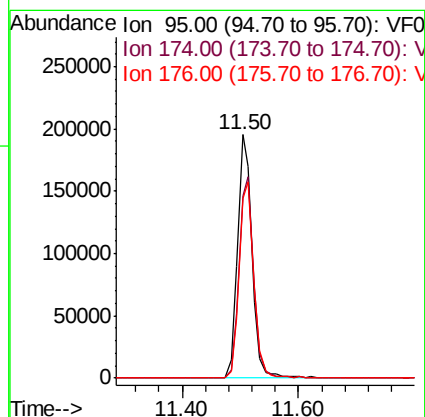
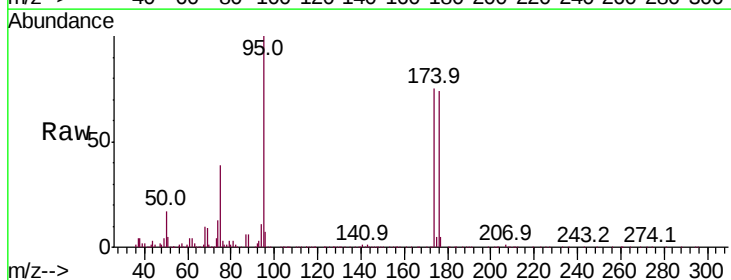
Instrument :
MSVOA_F
ClientSampleId :

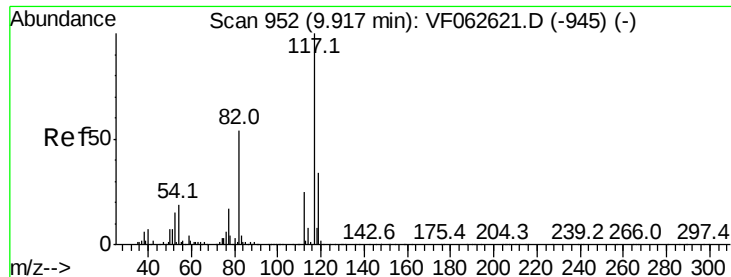
Tot Ion: 43 Resp: 22782
Ion Ratio Lower Upper
43 100
58 43.3 28.1 84.4



#62
4-Bromofluorobenzene
Concen: 35.994 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VF062779.D
Acq: 29 May 2019 13:36

Tgt Ion: 95 Resp: 336385
Ion Ratio Lower Upper
95 100
174 74.9 0.0 185.6
176 73.8 0.0 182.4

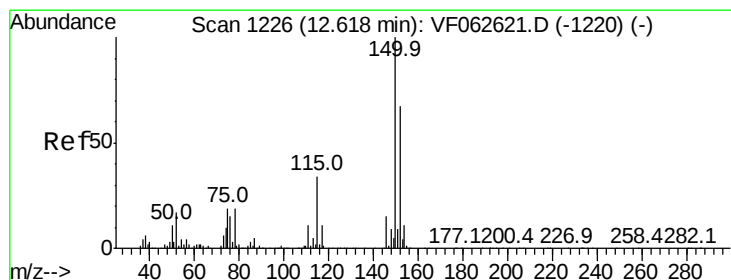
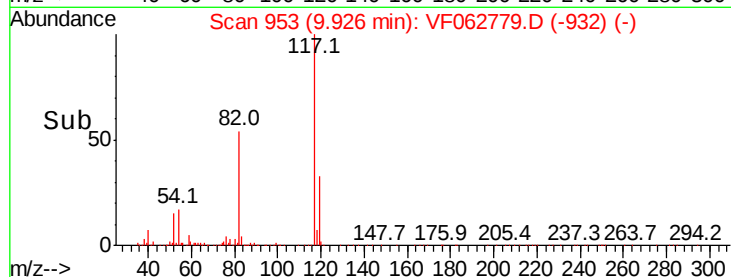
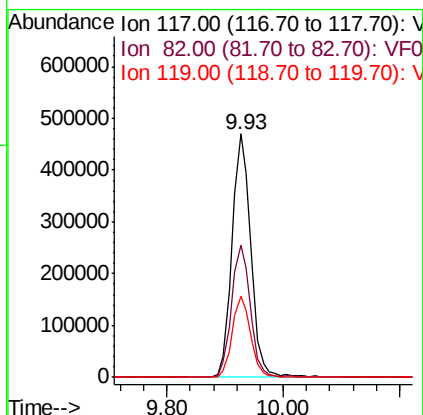
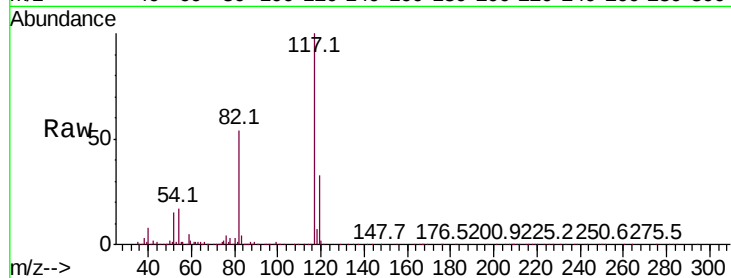




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF062779.D
Acq: 29 May 2019 13:36

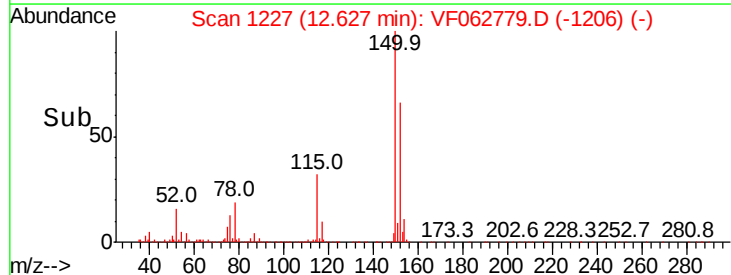
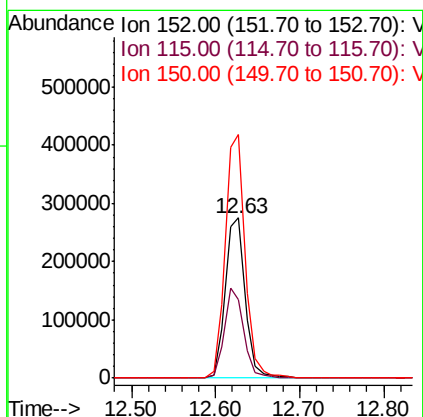
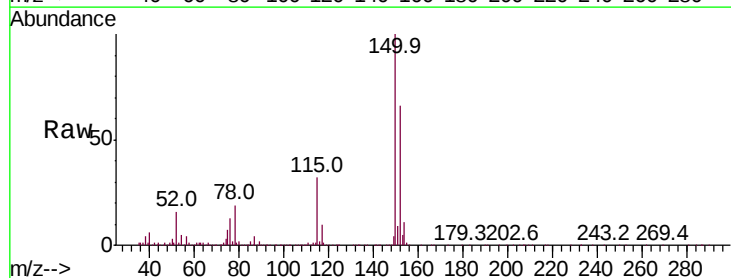
Instrument :
MSVOA_F
ClientSampleId :

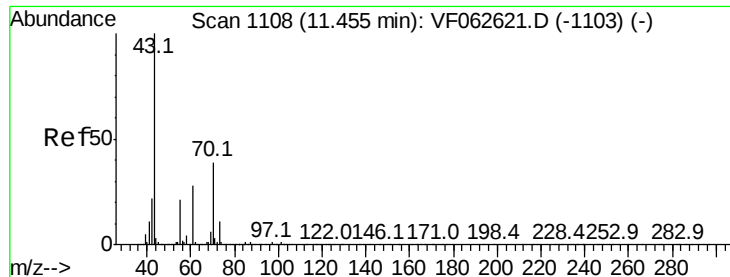
Tot Ion:117 Resp: 1050780
Ion Ratio Lower Upper
117 100
82 54.2 43.3 64.9
119 33.2 27.4 41.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. 0.01 min
Lab File: VF062779.D
Acq: 29 May 2019 13:36

Tgt Ion:152 Resp: 451941
Ion Ratio Lower Upper
152 100
115 49.0 25.2 75.6
150 152.4 0.0 306.2





#74

N-amvl acetate

Concen: Below Cal

RT: 11.45 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF062779.D

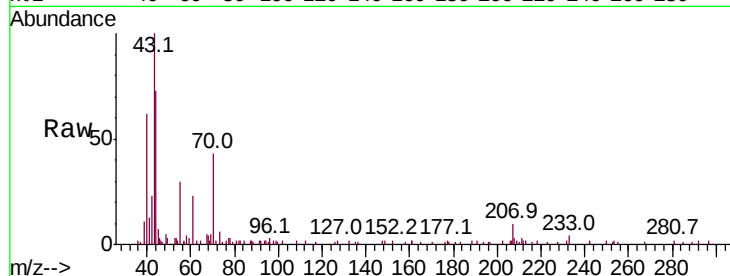
Acq: 29 May 2019 13:36

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:	43	Resp:	16291
Ion	Ratio	Lower	Upper
43	100		
70	43.4	30.9	46.3
55	29.7	17.0	25.4#
61	23.1	22.6	34.0



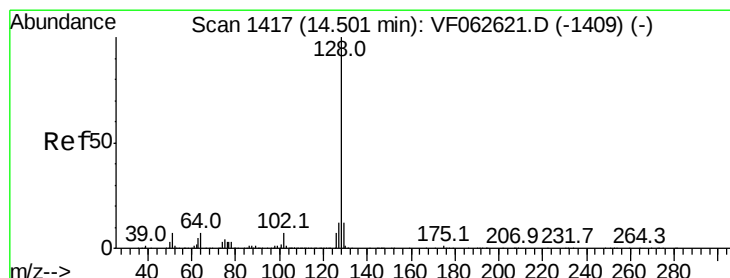
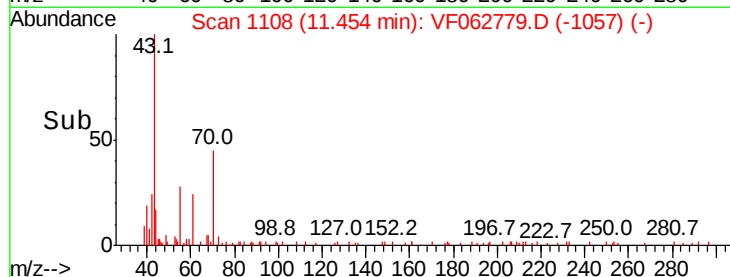
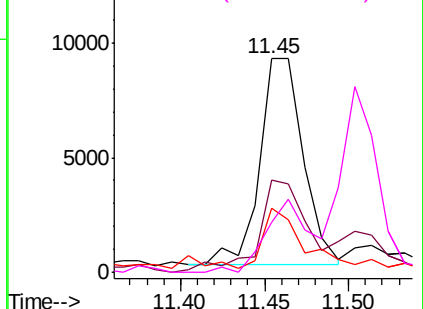
Abundance

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



#95

Naphthalene

Concen: 1.197 ug/l

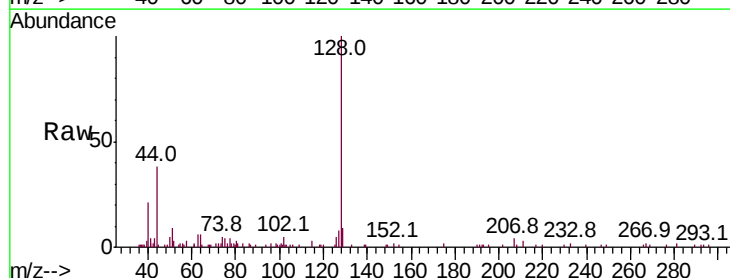
RT: 14.50 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VF062779.D

Acq: 29 May 2019 13:36

Tgt Ion:	128	Resp:	20212
Ion	Ratio	Lower	Upper
128	100		
127	8.5	9.7	14.5#
129	9.0	9.3	13.9#



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

