

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060719\
 Data File : VF062902.D
 Acq On : 7 Jun 2019 17:11
 Operator : FY/SY
 Sample : K3163-05RE
 Misc : 6.29g/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 08 00:40:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	609157	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.79	114	1056739	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	739785	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	289478	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	194798	46.24	ug/l	-0.01
Spiked Amount			Recovery	=	92.48%	
35) Dibromofluoromethane	4.31	113	311706	39.04	ug/l	-0.02
Spiked Amount			Recovery	=	78.08%	
50) Toluene-d8	7.72	98	657772	32.57	ug/l	-0.01
Spiked Amount			Recovery	=	65.14%	
62) 4-Bromofluorobenzene	11.50	95	230016	31.67	ug/l	-0.01
Spiked Amount			Recovery	=	63.34%	

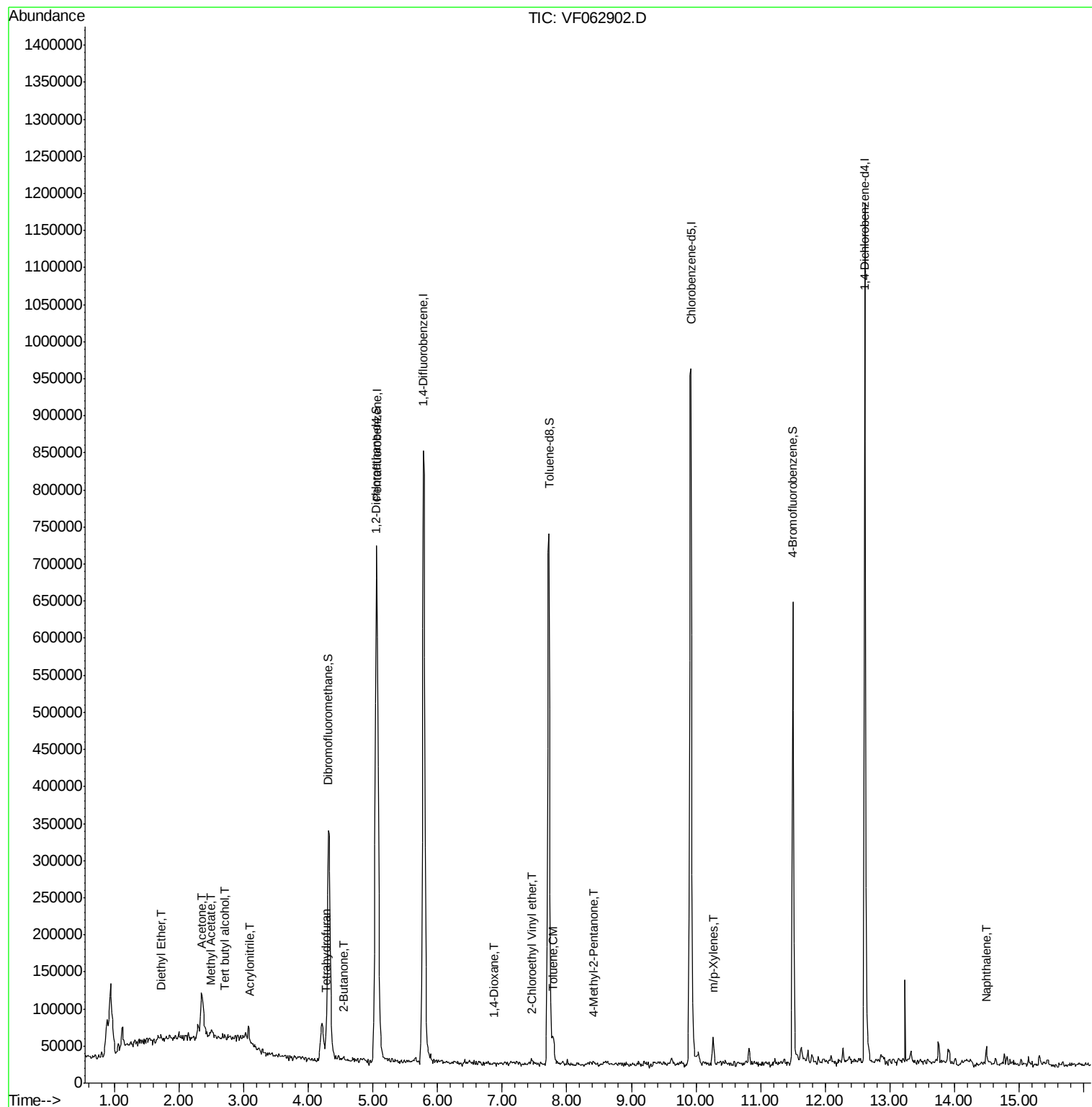
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.03	85	1353	Below Cal	#	66
8) Diethyl Ether	1.72	74	4094	2.347	ug/l	73
11) Tert butyl alcohol	2.70	59	2852	11.176	ug/l #	73
13) Acrolein	2.19	56	315	Below Cal		93
15) Acrylonitrile	3.11	53	1086	1.133	ug/l #	57
16) Acetone	2.36	43	86745	89.974	ug/l	100
18) Methyl Acetate	2.49	43	8496	5.043	ug/l #	67
20) Methylene Chloride	2.34	84	3190	Below Cal	#	86
25) 2-Butanone	4.55	43	10292	4.584	ug/l	97
29) Tetrahydrofuran	4.26	42	1502	1.749	ug/l #	29
49) 1,4-Dioxane	6.87	88	344	10.308	ug/l #	60
51) 4-Methyl-2-Pentanone	8.42	43	3644	1.039	ug/l #	66
52) Toluene	7.79	92	18539	1.216	ug/l	77
58) 2-Chloroethyl Vinyl ether	7.47	63	3176	1.859	ug/l	92
68) m/p-Xylenes	10.27	106	14126	1.506	ug/l	77
95) Naphthalene	14.50	128	11562	1.307	ug/l	98

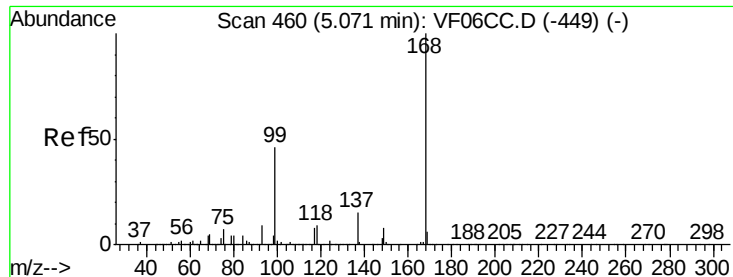
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF060719\
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Quant Title : SW846 8260
QLast Update : Fri May 31 04:18:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.01 min

Lab File: VF062902.D

Acq: 7 Jun 2019 17:11

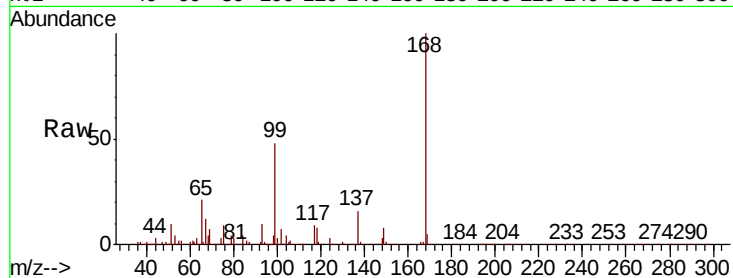
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 609157

Ion Ratio Lower Upper

168 100

99 48.3 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

200000

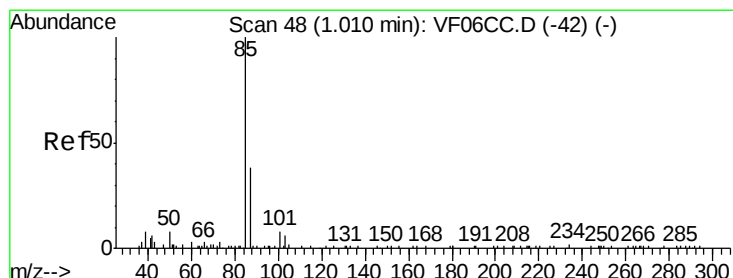
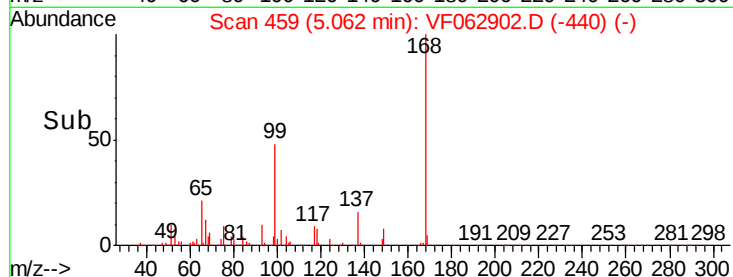
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.03 min Scan# 50

Delta R.T. 0.02 min

Lab File: VF062902.D

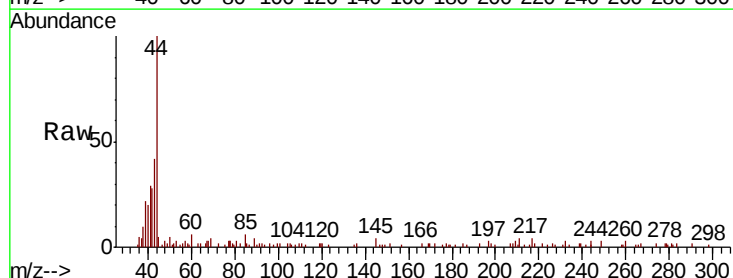
Acq: 7 Jun 2019 17:11

Tgt Ion: 85 Resp: 1353

Ion Ratio Lower Upper

85 100

87 15.4 17.6 52.9#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.03

600

500

400

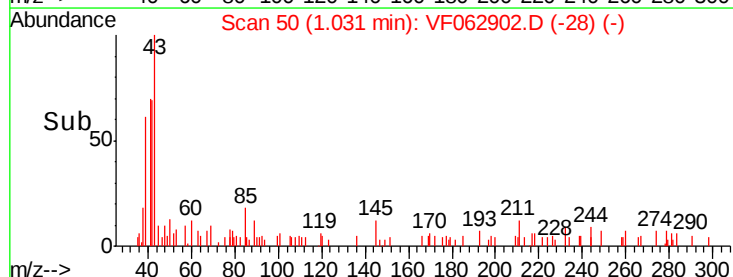
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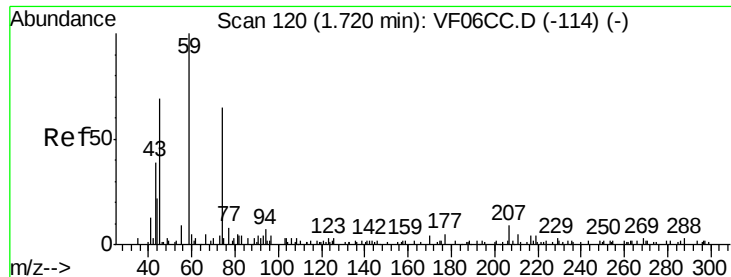
200

100

0

Time-->





#8

Diethyl Ether

Concen: 2.347 ug/l

RT: 1.72 min Scan# 120

Delta R.T. -0.00 min

Lab File: VF062902.D

Acq: 7 Jun 2019 17:11

Instrument :

MSVOA_F

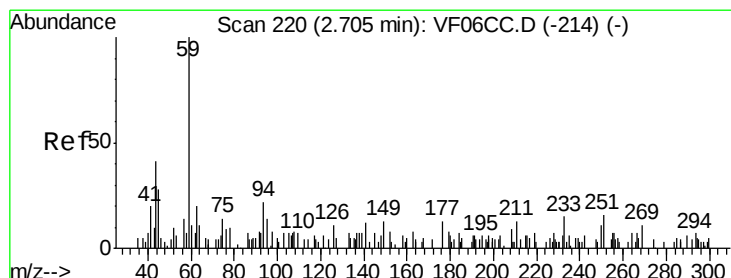
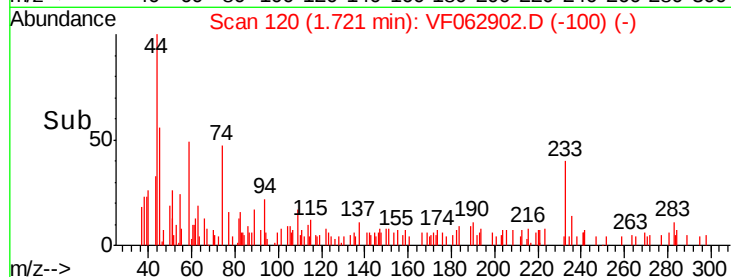
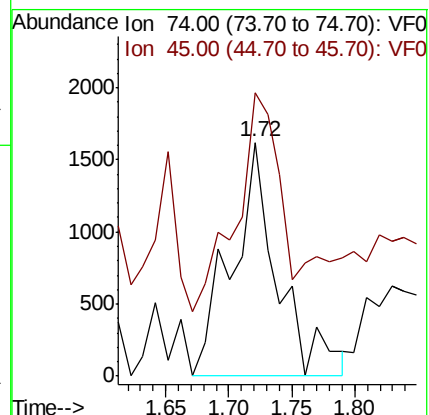
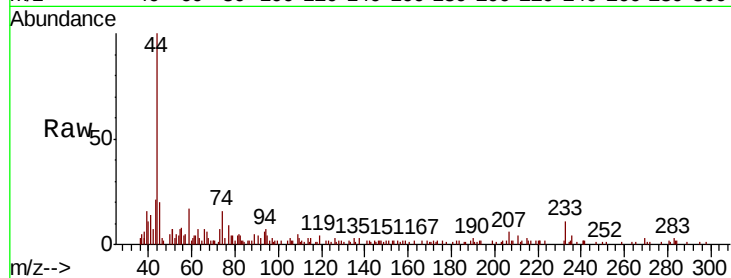
ClientSampleId :

Tot Ion: 74 Resp: 4094

Ion Ratio Lower Upper

74 100

45 121.2 47.5 142.5



#11

Tert butyl alcohol

Concen: 11.176 ug/l

RT: 2.70 min Scan# 219

Delta R.T. -0.02 min

Lab File: VF062902.D

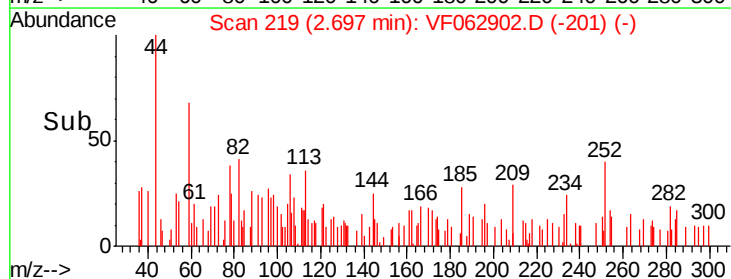
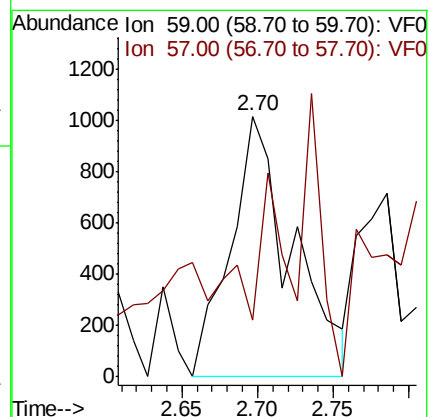
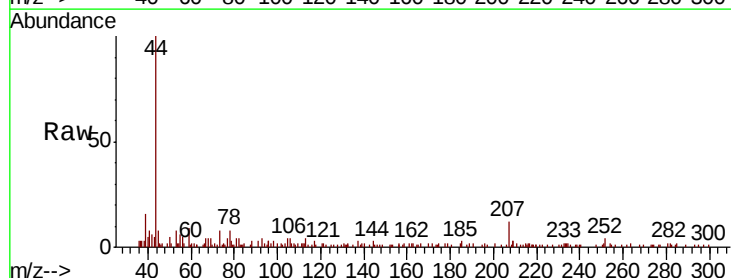
Acq: 7 Jun 2019 17:11

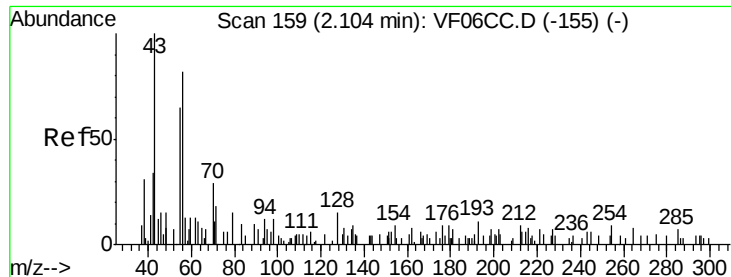
Tgt Ion: 59 Resp: 2852

Ion Ratio Lower Upper

59 100

57 22.0 9.2 13.8#

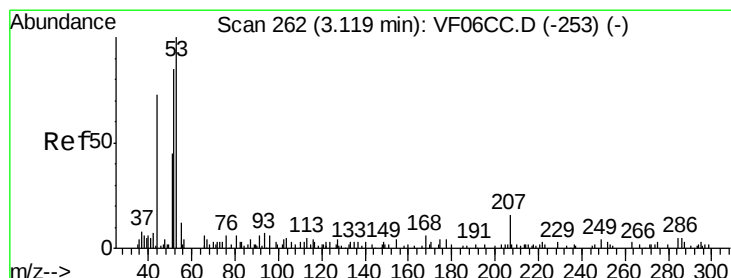
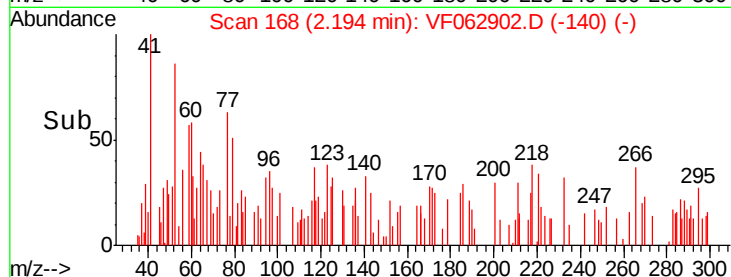
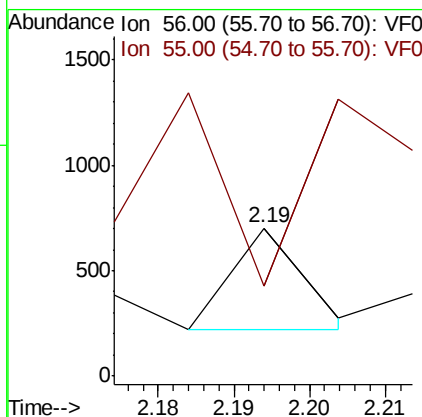
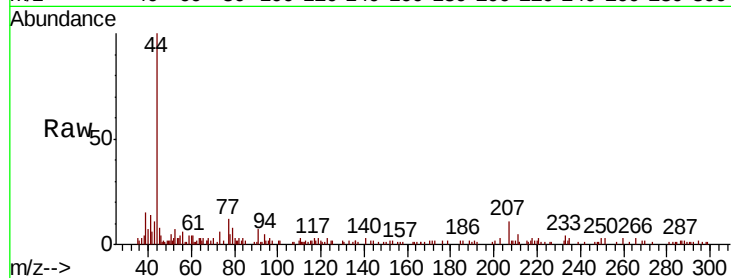




#13
Acrolein
Concen: Below Cal
RT: 2.19 min Scan# 168
Delta R.T. 0.08 min
Lab File: VF062902.D
Acq: 7 Jun 2019 17:11

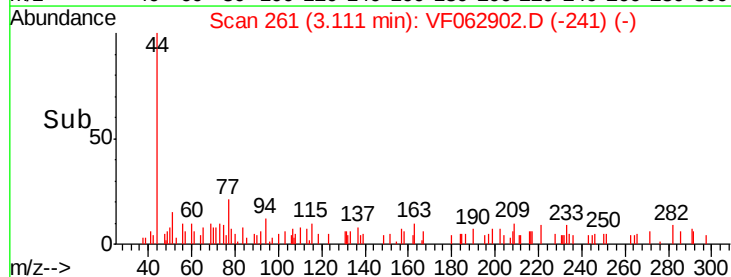
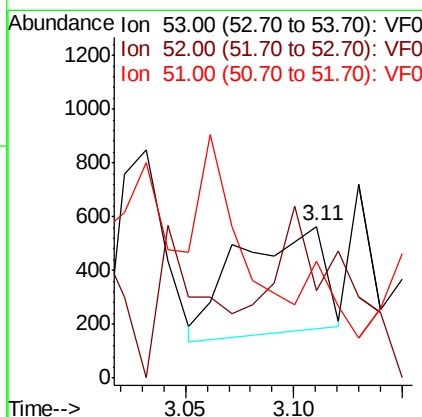
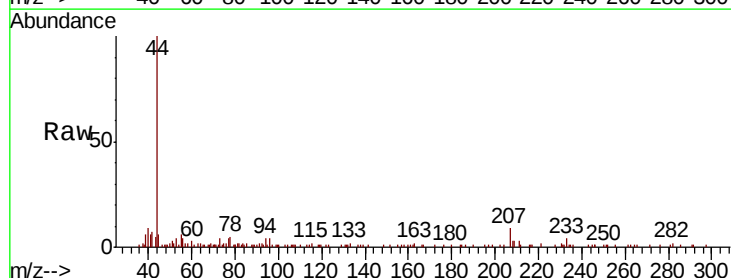
Instrument :
MSVOA_F
ClientSampled :

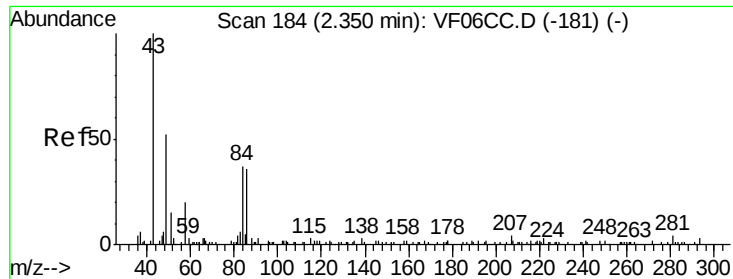
Tot Ion: 56 Resp: 315
Ion Ratio Lower Upper
56 100
55 60.9 52.9 79.3



#15
Acrylonitrile
Concen: 1.133 ug/l
RT: 3.11 min Scan# 261
Delta R.T. -0.00 min
Lab File: VF062902.D
Acq: 7 Jun 2019 17:11

Tgt Ion: 53 Resp: 1086
Ion Ratio Lower Upper
53 100
52 57.5 68.1 102.1#
51 77.3 27.7 41.5#

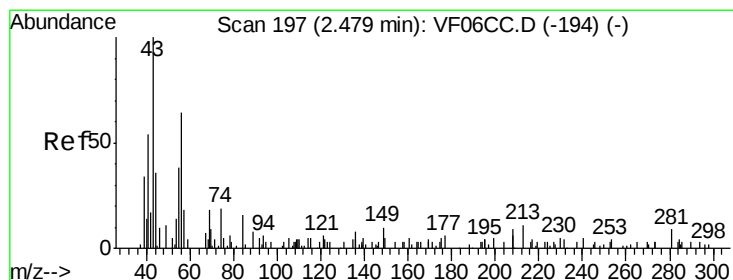
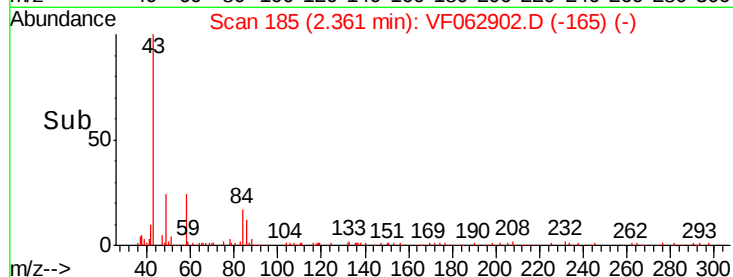
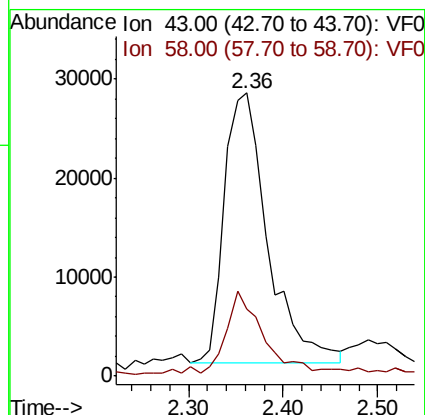
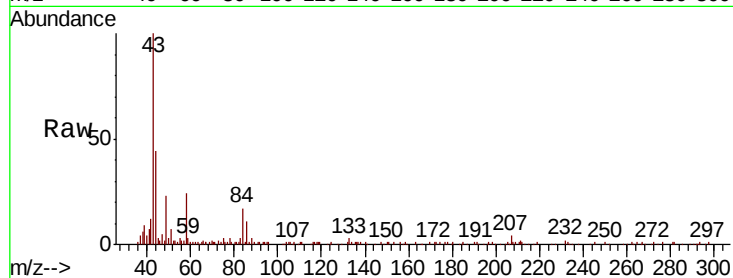




#16
Acetone
Concen: 89.974 ug/l
RT: 2.36 min Scan# 185
Delta R.T. -0.00 min
Lab File: VF062902.D
Acq: 7 Jun 2019 17:11

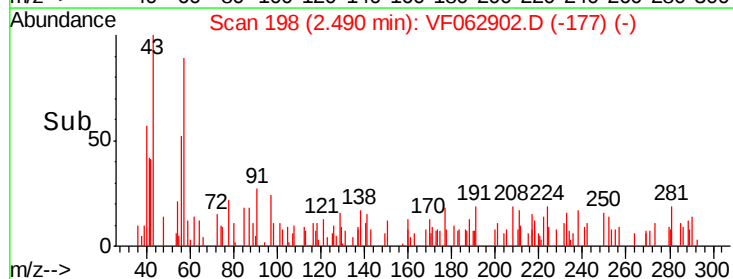
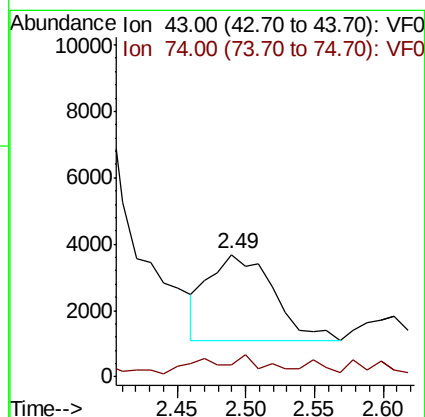
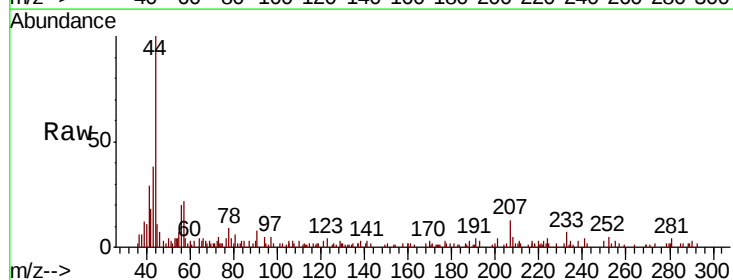
Instrument :
MSVOA_F
ClientSampleId :

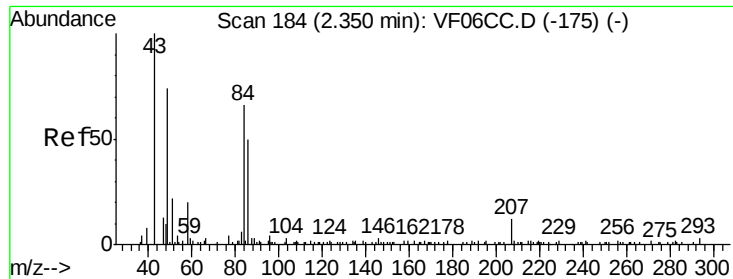
Tot Ion: 43 Resp: 86745
Ion Ratio Lower Upper
43 100
58 23.8 19.0 28.4



#18
Methyl Acetate
Concen: 5.043 ug/l
RT: 2.49 min Scan# 198
Delta R.T. 0.01 min
Lab File: VF062902.D
Acq: 7 Jun 2019 17:11

Tgt Ion: 43 Resp: 8496
Ion Ratio Lower Upper
43 100
74 10.2 22.1 33.1#

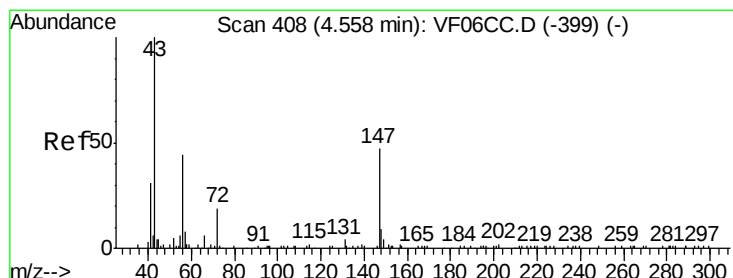
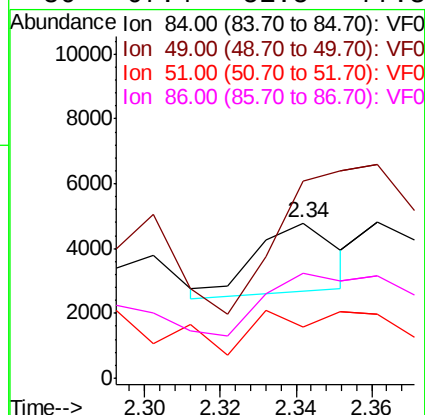
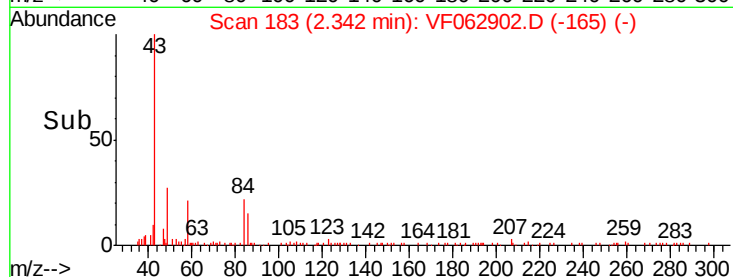
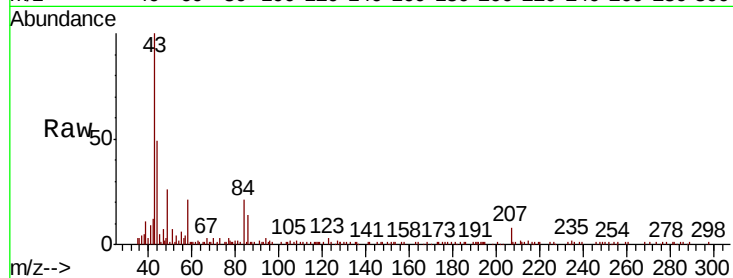




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.34 min Scan# 183
Delta R.T. -0.02 min
Lab File: VF062902.D
Acq: 7 Jun 2019 17:11

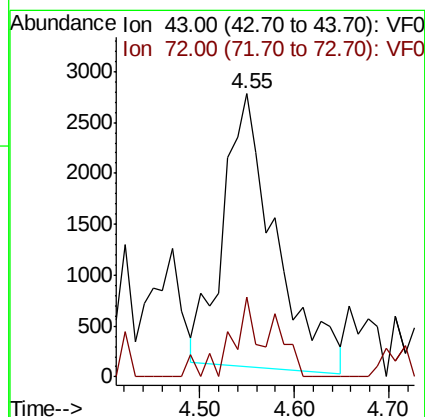
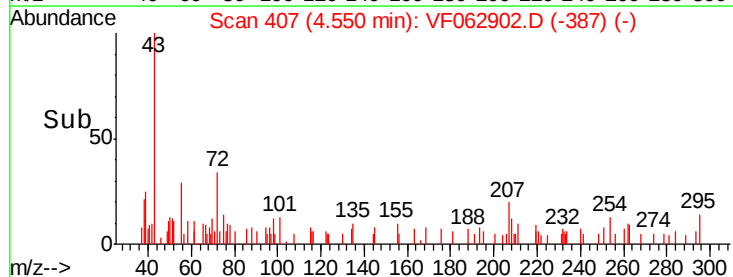
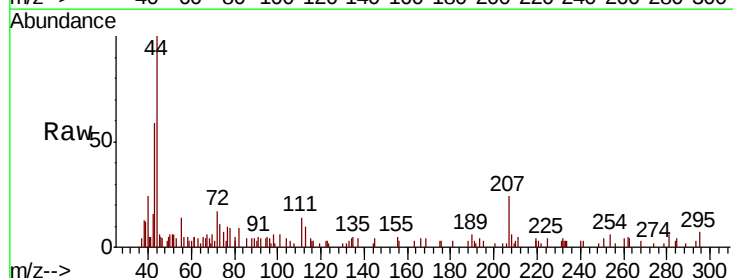
Instrument :
MSVOA_F
ClientSampleId :

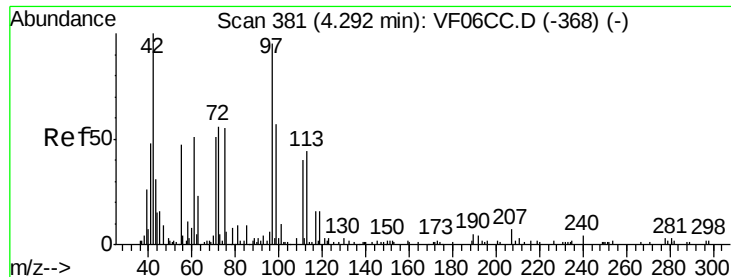
Tot Ion: 84 Resp: 3190
Ion Ratio Lower Upper
84 100
49 126.8 82.6 123.8#
51 33.3 25.0 37.4
86 67.4 51.5 77.3



#25
2-Butanone
Concen: 4.584 ug/l
RT: 4.55 min Scan# 407
Delta R.T. -0.00 min
Lab File: VF062902.D
Acq: 7 Jun 2019 17:11

Tgt Ion: 43 Resp: 10292
Ion Ratio Lower Upper
43 100
72 28.2 21.4 32.0

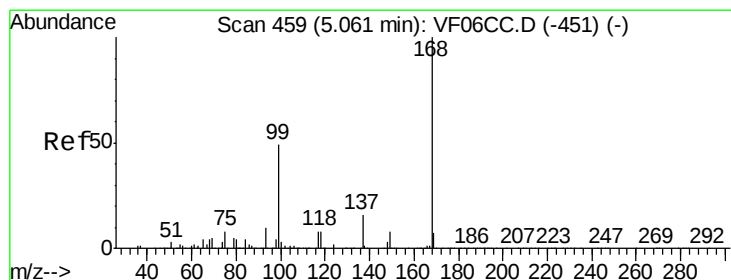
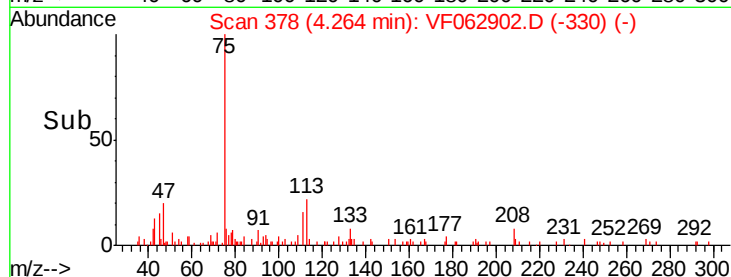
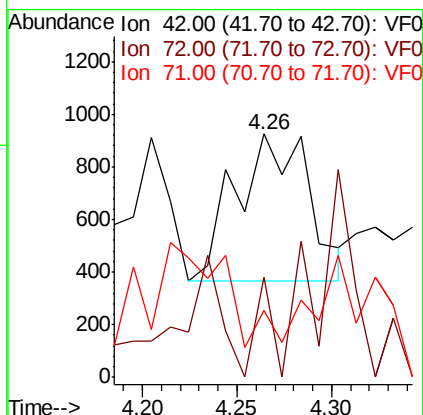
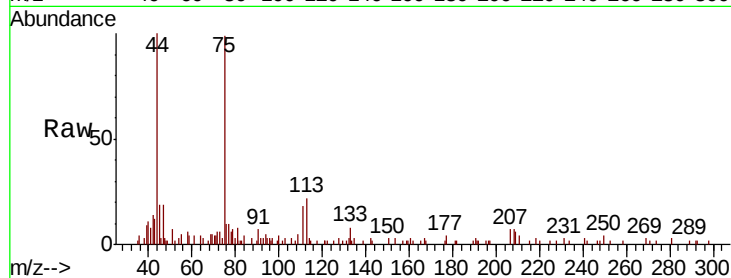




#29
Tetrahydrofuran
Concen: 1.749 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.03 min
Lab File: VF062902.D
Acq: 7 Jun 2019 17:11

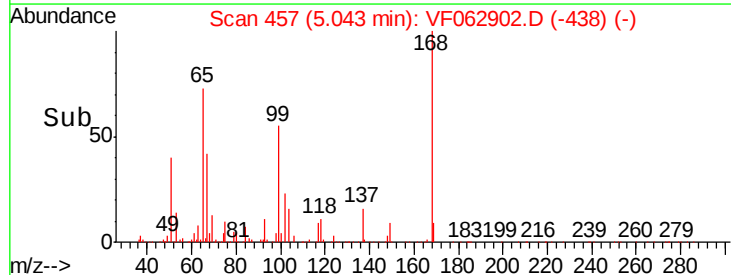
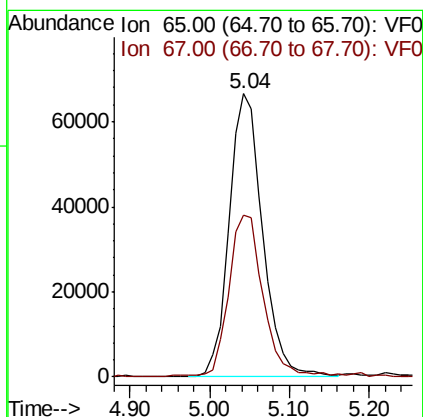
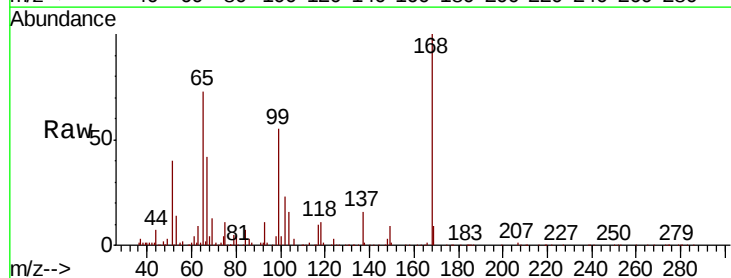
Instrument :
MSVOA_F
ClientSampleId :

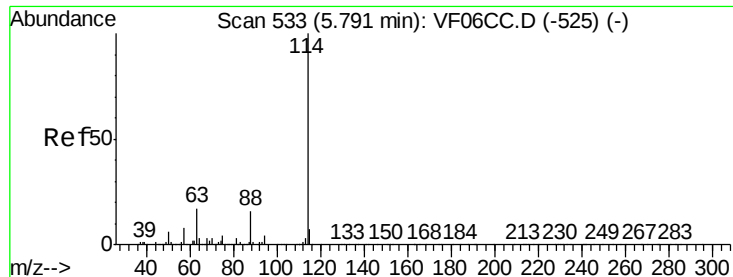
Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	39.0	58.6#
71	0.0	36.9	55.3#



#33
1,2-Dichloroethane-d4
Concen: 46.244 ug/l
RT: 5.04 min Scan# 457
Delta R.T. -0.01 min
Lab File: VF062902.D
Acq: 7 Jun 2019 17:11

Tgt Ion	Ratio	Lower	Upper
65	100		
67	57.3	0.0	121.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 533

Delta R.T. -0.01 min

Lab File: VF062902.D

Acq: 7 Jun 2019 17:11

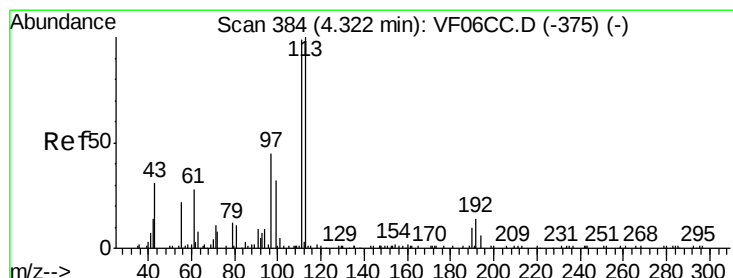
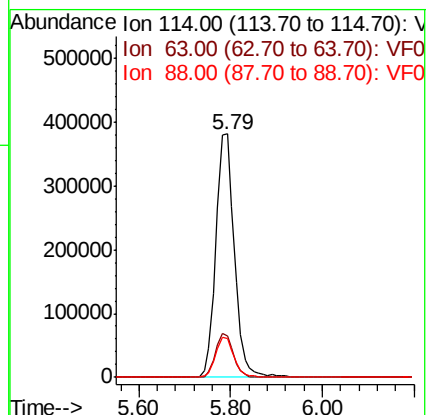
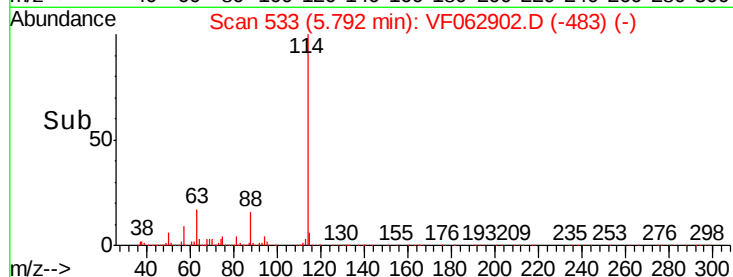
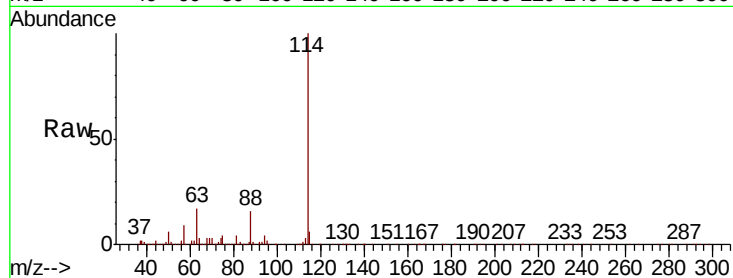
Instrument :

MSVOA_F

ClientSampled :

Tot Ion:114 Resp: 1056739

Ion	Ratio	Lower	Upper
114	100		
63	16.8	0.0	34.2
88	16.1	0.0	31.2



#35

Dibromofluoromethane

Concen: 39.035 ug/l

RT: 4.31 min Scan# 383

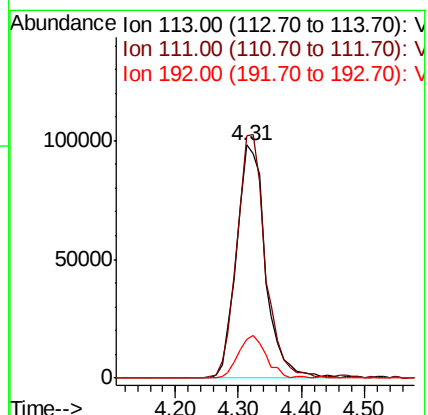
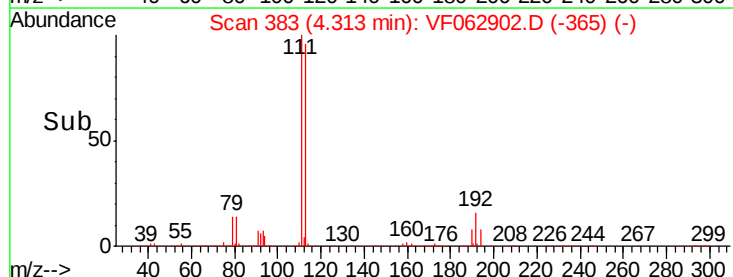
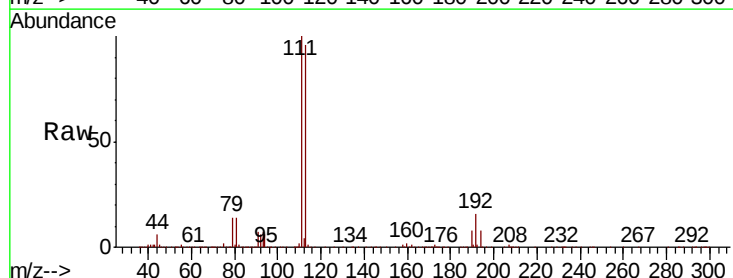
Delta R.T. -0.02 min

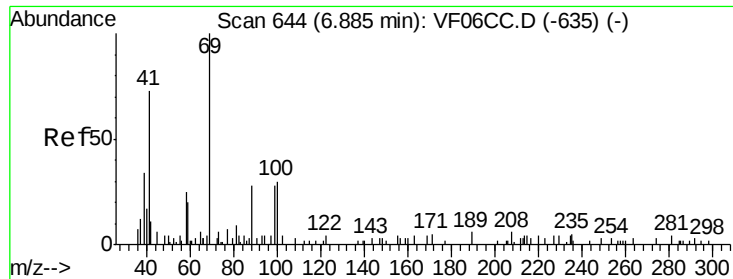
Lab File: VF062902.D

Acq: 7 Jun 2019 17:11

Tgt Ion:113 Resp: 311706

Ion	Ratio	Lower	Upper
113	100		
111	104.2	81.9	122.9
192	16.9	15.1	22.7





#49

1,4-Dioxane

Concen: 10.308 ug/l

RT: 6.87 min Scan# 642

Delta R.T. -0.02 min

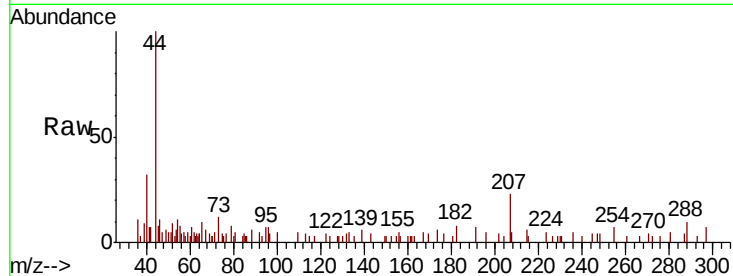
Lab File: VF062902.D

Acq: 7 Jun 2019 17:11

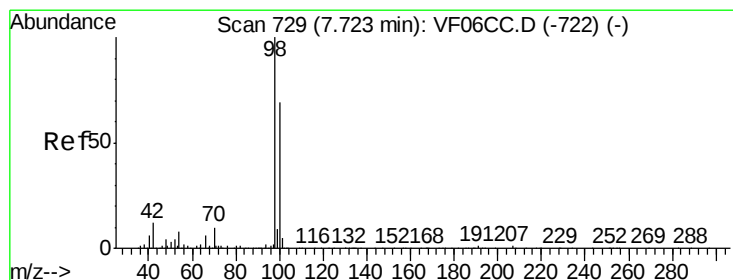
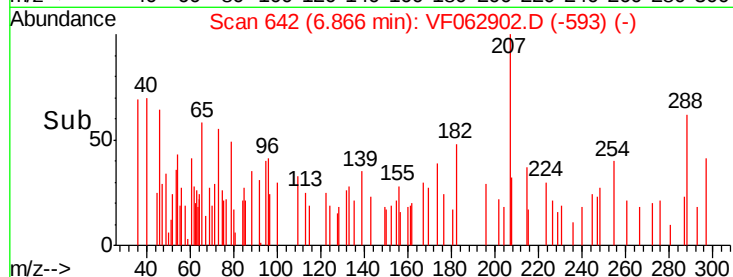
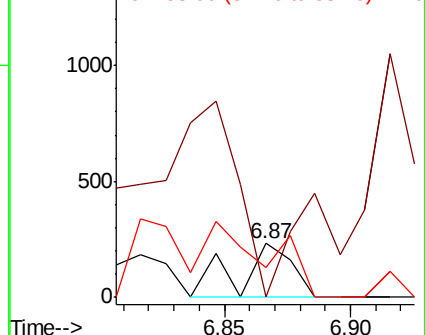
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 88 Resp: 344

Ion	Ratio	Lower	Upper
88	100		
43	0.0	34.8	52.2#
58	55.0	59.9	89.9#



Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 32.574 ug/l

RT: 7.72 min Scan# 729

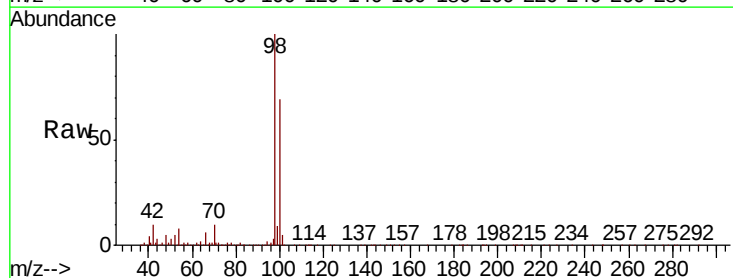
Delta R.T. -0.01 min

Lab File: VF062902.D

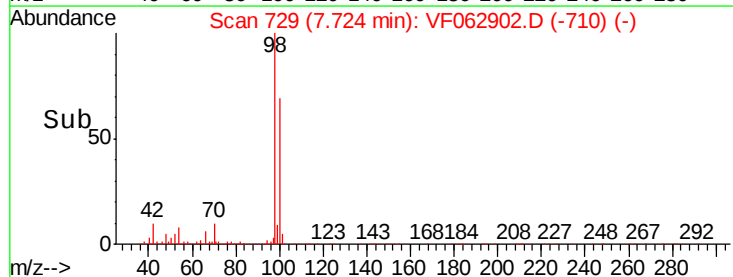
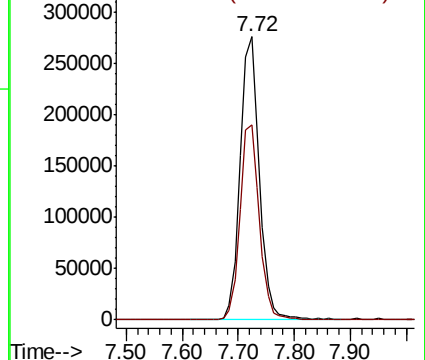
Acq: 7 Jun 2019 17:11

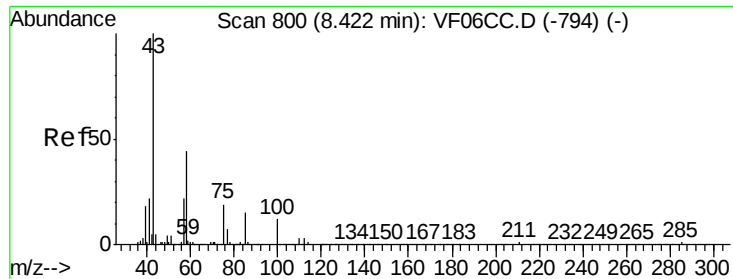
Tgt Ion: 98 Resp: 657772

Ion	Ratio	Lower	Upper
98	100		
100	69.1	59.8	89.8



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 1.039 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.00 min

Lab File: VF062902.D

Acq: 7 Jun 2019 17:11

Instrument :

MSVOA_F

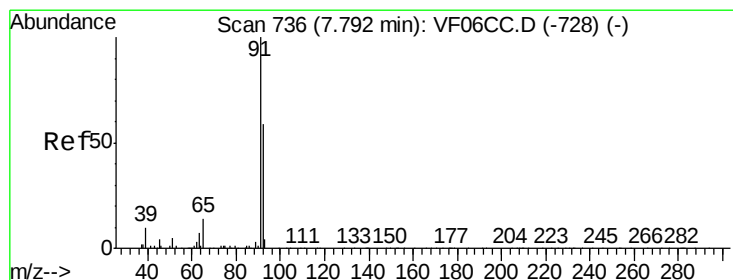
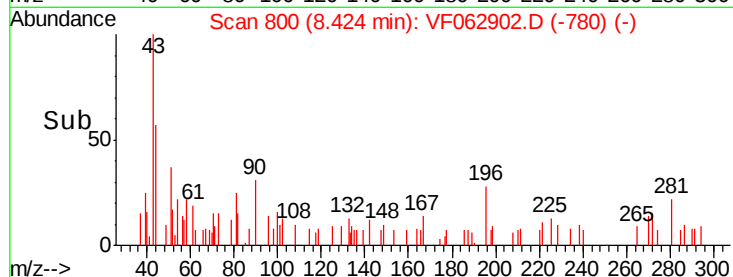
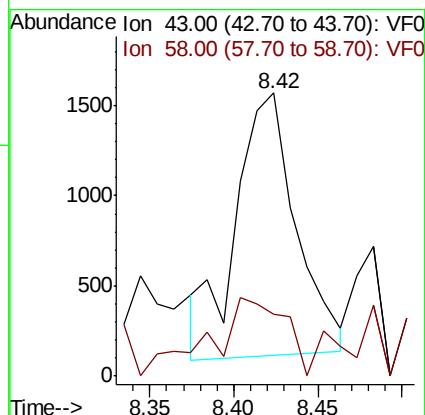
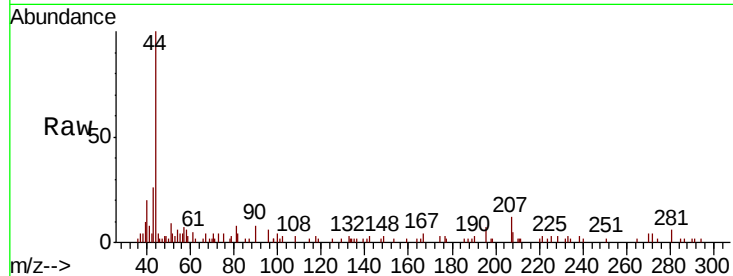
ClientSampleId :

Tot Ion: 43 Resp: 3644

Ion Ratio Lower Upper

43 100

58 22.0 35.5 53.3#



#52

Toluene

Concen: 1.216 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.01 min

Lab File: VF062902.D

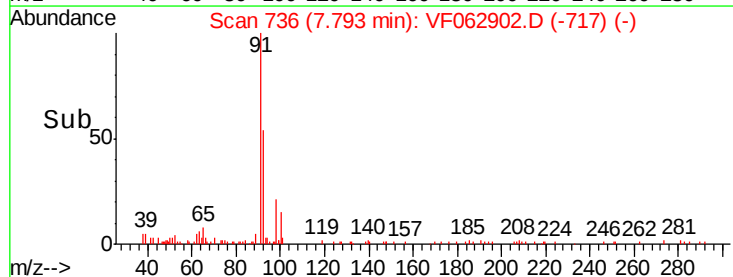
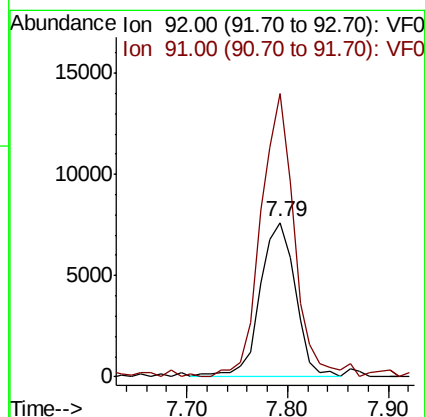
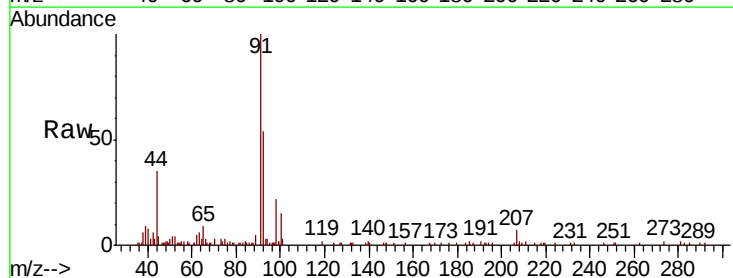
Acq: 7 Jun 2019 17:11

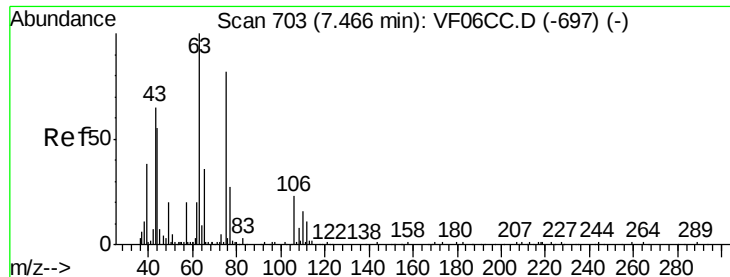
Tgt Ion: 92 Resp: 18539

Ion Ratio Lower Upper

92 100

91 183.6 123.2 184.8

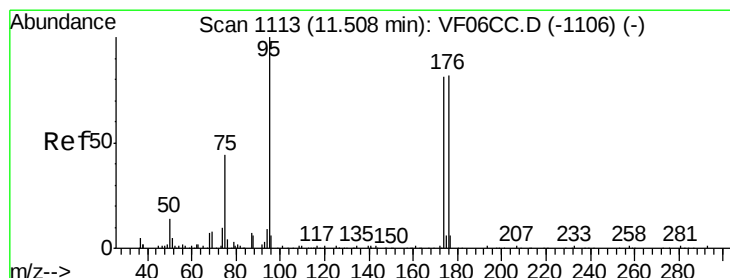
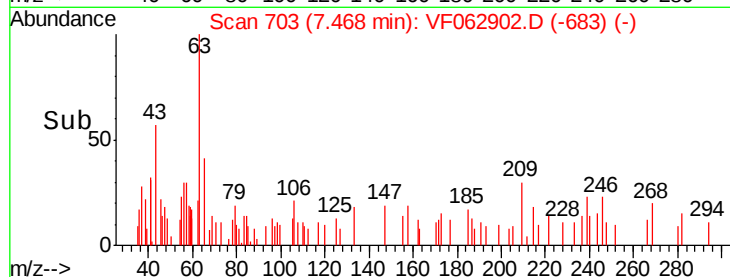
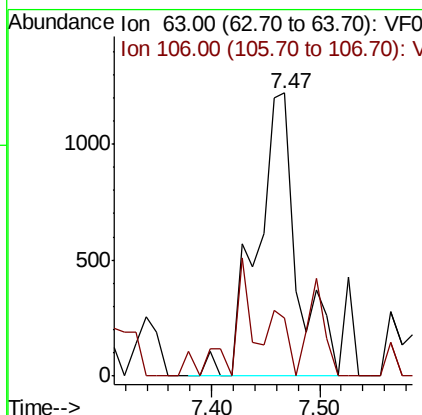
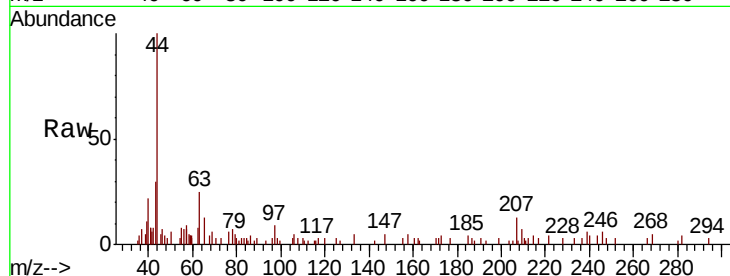




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.859 ug/l
 RT: 7.47 min Scan# 703
 Delta R.T. -0.00 min
 Lab File: VF062902.D
 Acq: 7 Jun 2019 17:11

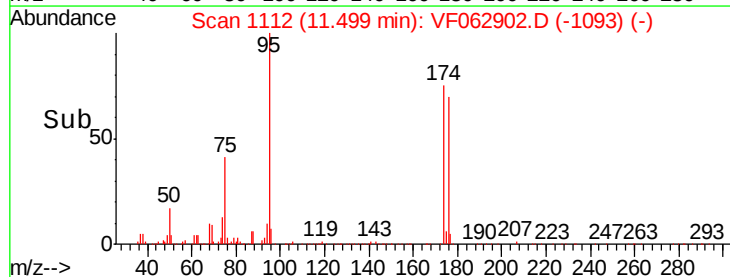
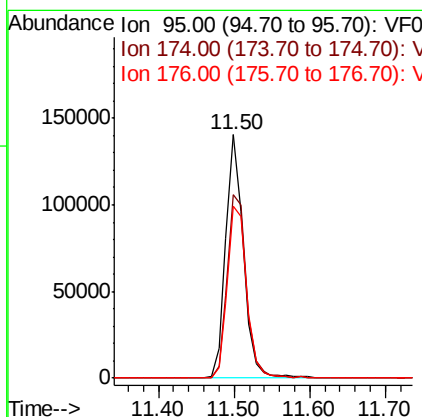
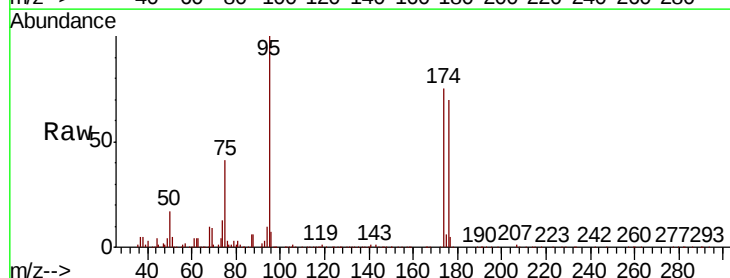
Instrument :
 MSVOA_F
 ClientSampled :

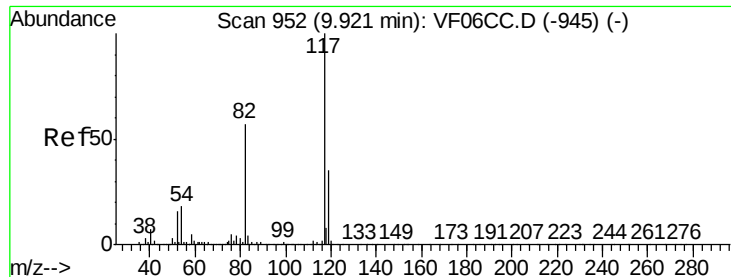
Tot Ion: 63 Resp: 3176
 Ion Ratio Lower Upper
 63 100
 106 20.7 19.5 29.3



#62
 4-Bromofluorobenzene
 Concen: 31.667 ug/l
 RT: 11.50 min Scan# 1112
 Delta R.T. -0.01 min
 Lab File: VF062902.D
 Acq: 7 Jun 2019 17:11

Tgt Ion: 95 Resp: 230016
 Ion Ratio Lower Upper
 95 100
 174 75.4 0.0 170.6
 176 70.5 0.0 170.6

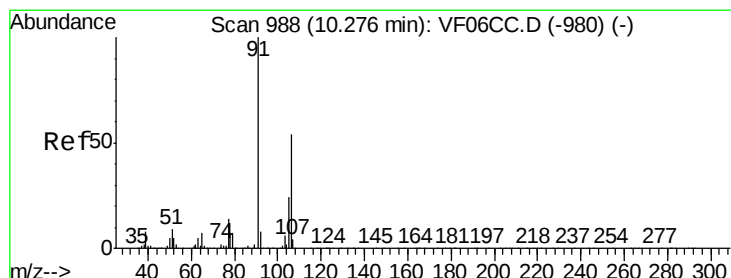
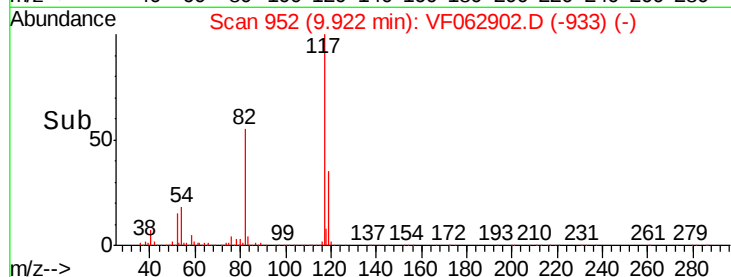
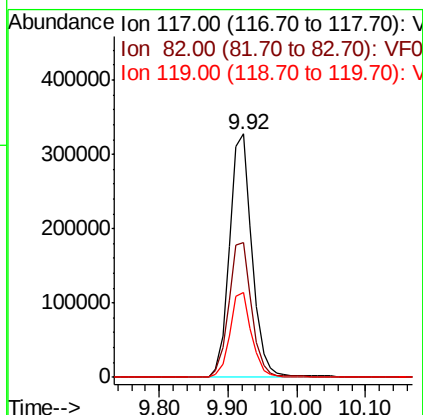
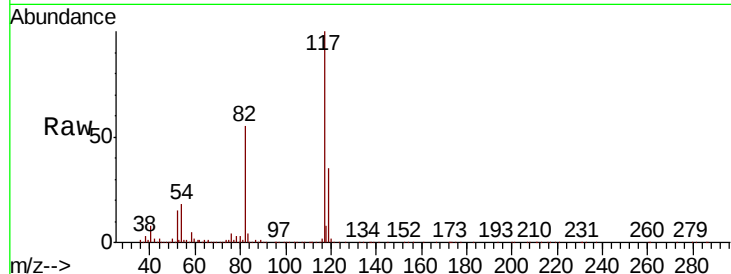




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF062902.D
Acq: 7 Jun 2019 17:11

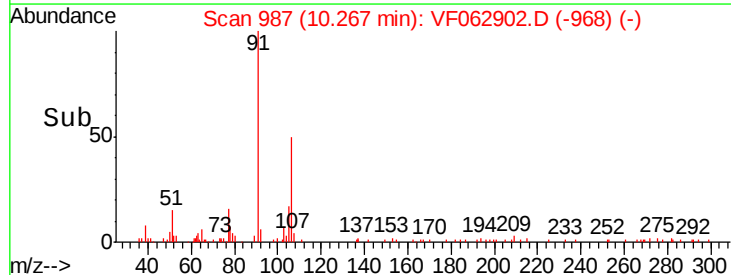
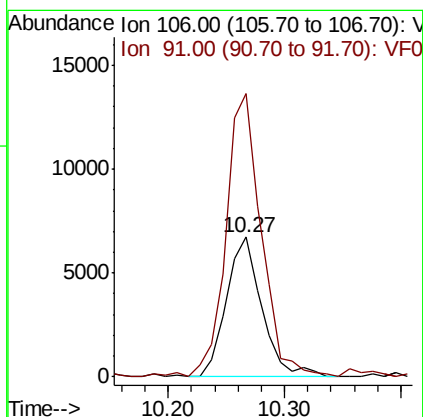
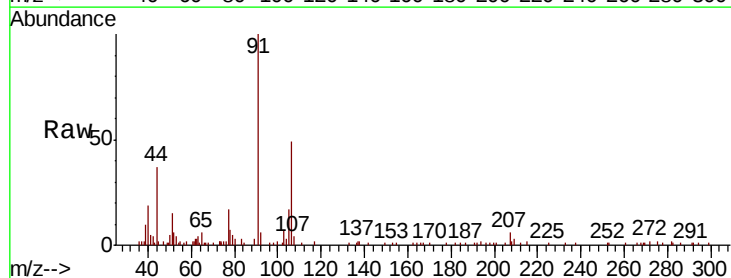
Instrument :
MSVOA_F
ClientSampleId :

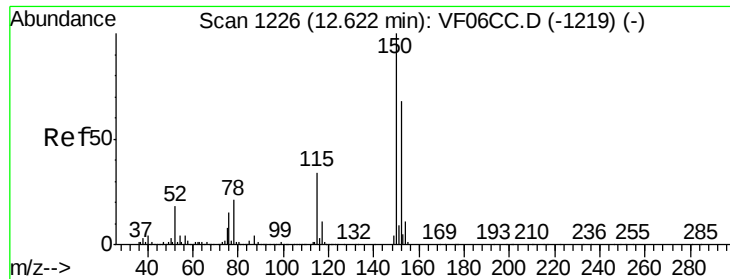
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	42.4	63.6
119	34.9	27.1	40.7



#68
m/p-Xylenes
Concen: 1.506 ug/l
RT: 10.27 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF062902.D
Acq: 7 Jun 2019 17:11

Tgt Ion	Ratio	Lower	Upper
106	100		
91	202.3	136.2	204.4



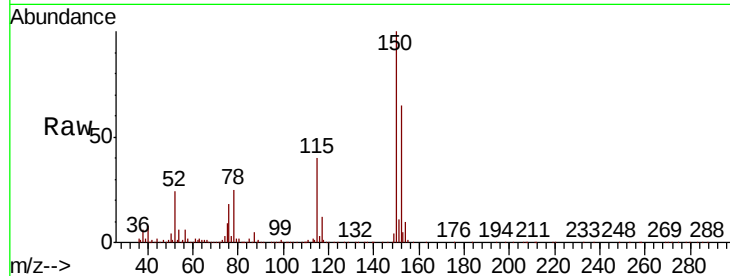


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.01 min
Lab File: VF062902.D
Acq: 7 Jun 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	61.6	24.6	74.0
150	154.0	0.0	290.6

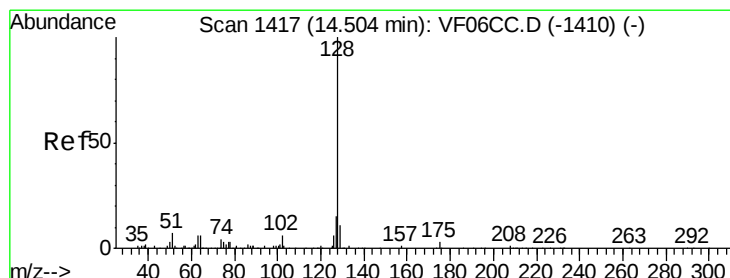
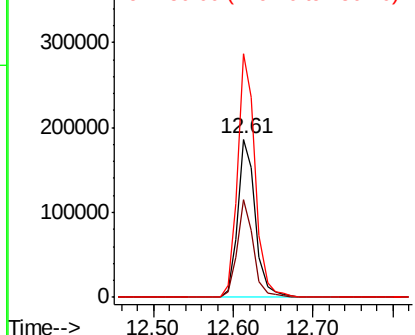
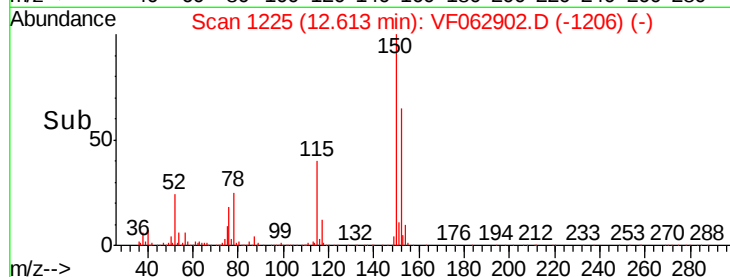


Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

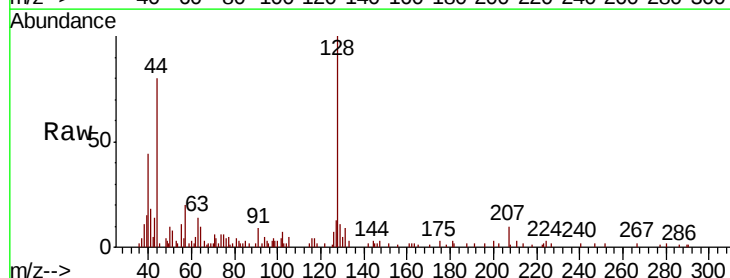
Ion 150.00 (149.70 to 150.70): V



#95

Naphthalene
Concen: 1.307 ug/l
RT: 14.50 min Scan# 1416
Delta R.T. -0.01 min
Lab File: VF062902.D
Acq: 7 Jun 2019 17:11

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.5	9.7	14.5
129	11.3	9.4	14.2



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

