

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060419\
 Data File : VF062844.D
 Acq On : 4 Jun 2019 17:42
 Operator : FY/SY
 Sample : K3173-04
 Misc : 4.49g/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 05 05:23:15 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	714123	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.78	114	1216407	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.91	117	830247	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.61	152	260836	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	213141	43.16	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	86.32%	
35) Dibromofluoromethane	4.31	113	18059	1.96	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	3.92%	
50) Toluene-d8	7.71	98	801422	34.48	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	68.96%	
62) 4-Bromofluorobenzene	11.49	95	250203	29.92	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	59.84%	

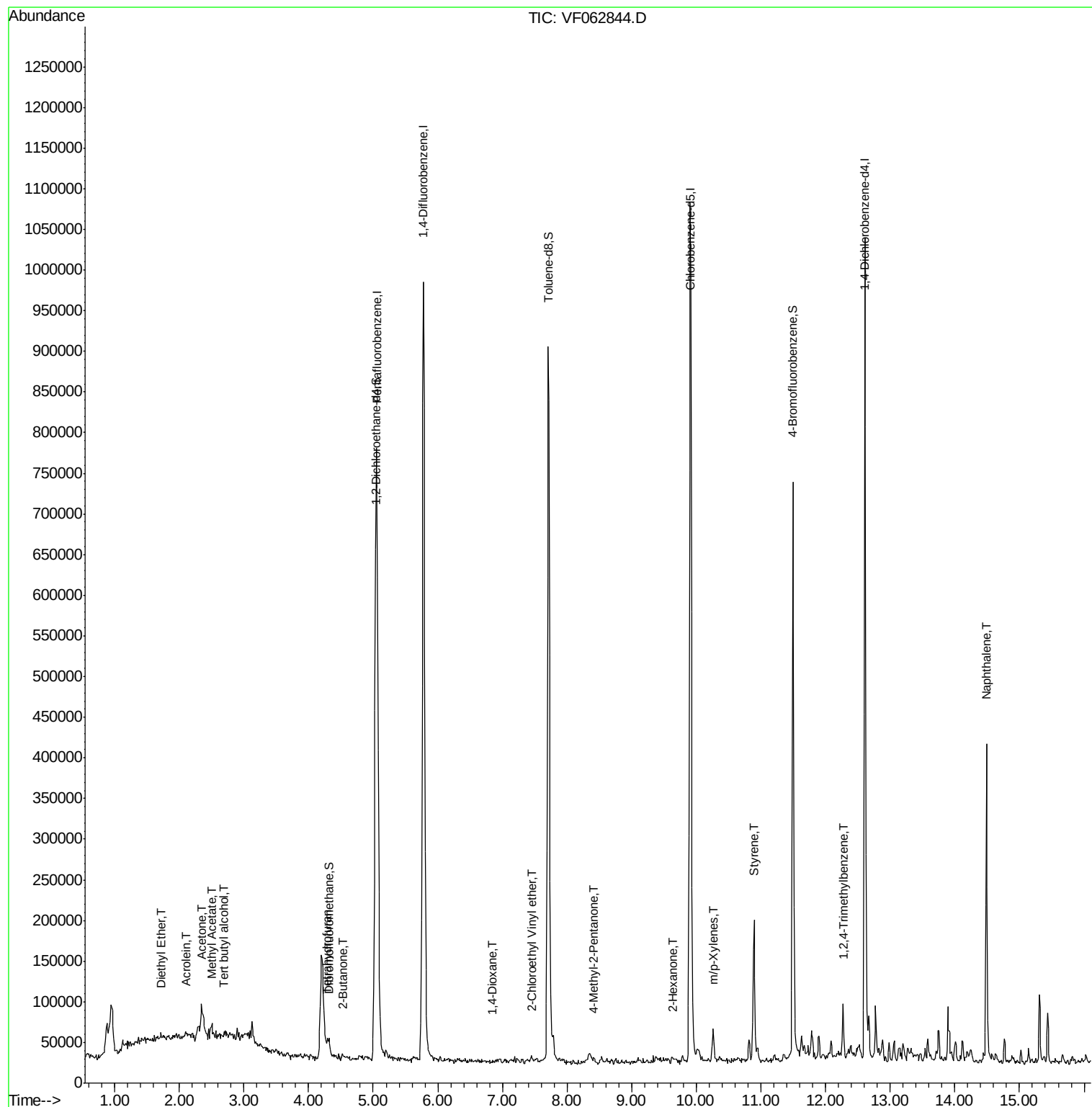
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.02	85	562	Below Cal	#	39
8) Diethyl Ether	1.71	74	2761	1.350	ug/l	58
11) Tert butyl alcohol	2.69	59	4407	14.732	ug/l #	44
13) Acrolein	2.10	56	1657	5.875	ug/l	93
16) Acetone	2.36	43	34918	30.894	ug/l #	87
18) Methyl Acetate	2.49	43	6219	3.149	ug/l #	89
25) 2-Butanone	4.53	43	10296	3.912	ug/l	98
29) Tetrahydrofuran	4.28	42	5082	5.048	ug/l #	44
49) 1,4-Dioxane	6.84	88	660	17.181	ug/l #	34
51) 4-Methyl-2-Pentanone	8.41	43	5687	1.409	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.44	63	3160	1.607	ug/l #	69
59) 2-Hexanone	9.62	43	6040	2.099	ug/l	70
68) m/p-Xylenes	10.26	106	13535	1.286	ug/l #	70
70) Styrene	10.89	104	93472	5.949	ug/l	97
84) 1,2,4-Trimethylbenzene	12.26	105	36635	2.596	ug/l	70
95) Naphthalene	14.49	128	255094	31.992	ug/l	96

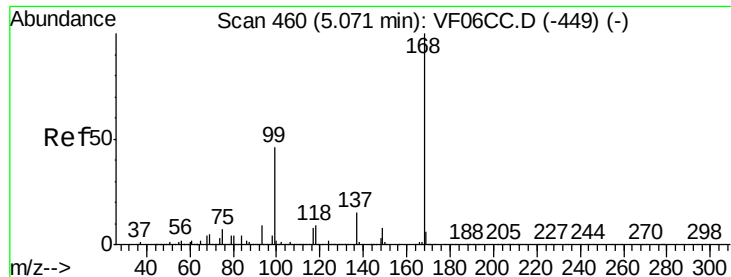
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF060419\
Data File : VF062844.D
Acq On : 4 Jun 2019 17:42
Operator : FY/SY
Sample : K3173-04
Misc : 4.49g/5mL/MSVOA F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Jun 05 05:23:15 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
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. -0.02 min

Lab File: VF062844.D

Acq: 4 Jun 2019 17:42

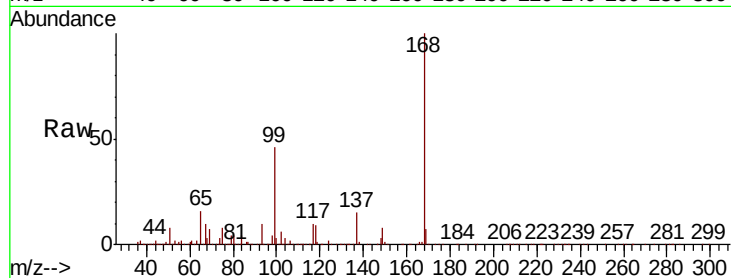
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 714123

Ion Ratio Lower Upper

168 100

99 46.0 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

250000

200000

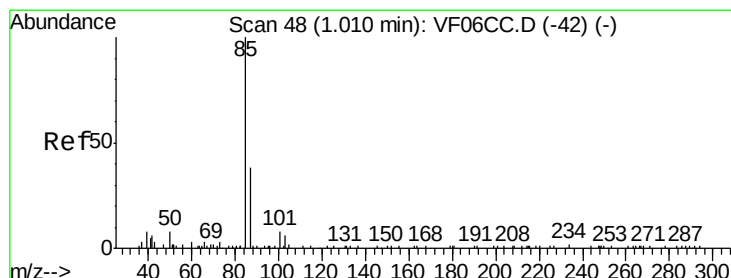
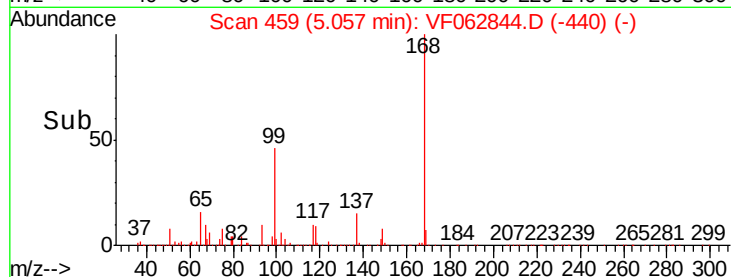
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.02 min Scan# 49

Delta R.T. 0.00 min

Lab File: VF062844.D

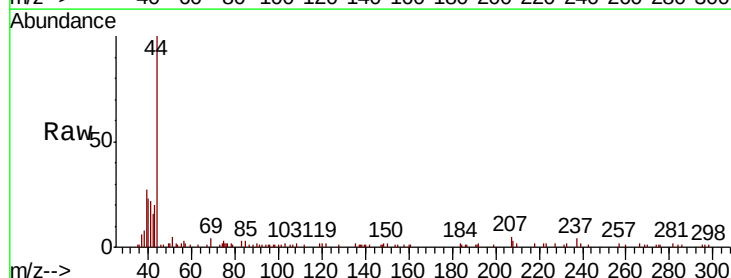
Acq: 4 Jun 2019 17:42

Tgt Ion: 85 Resp: 562

Ion Ratio Lower Upper

85 100

87 0.0 17.6 52.9#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

400

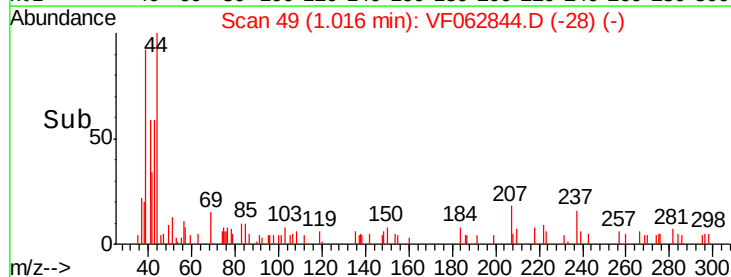
300

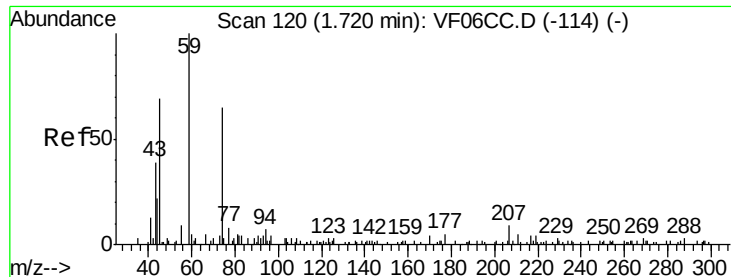
200

100

0

Time-->

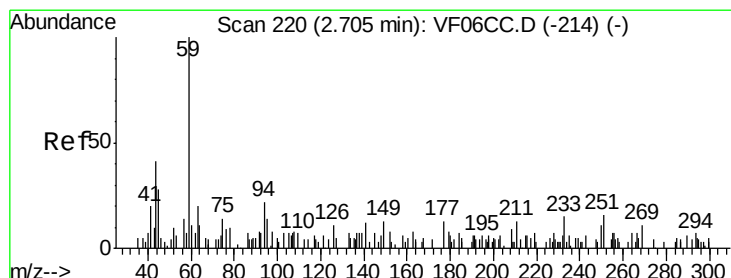
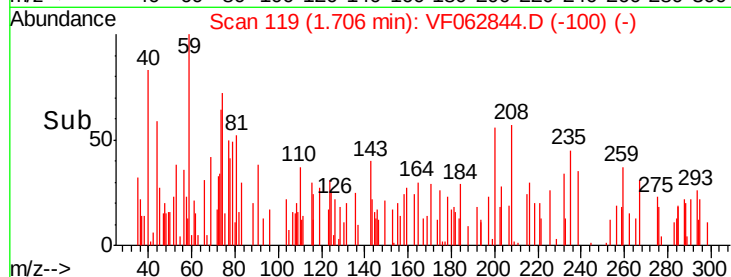
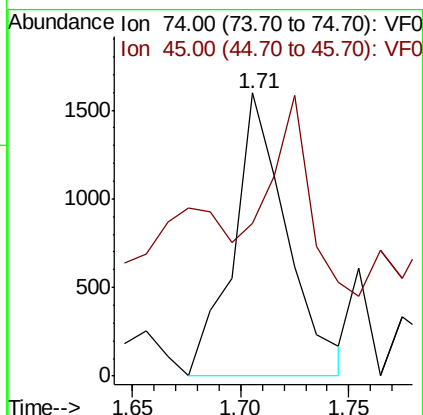
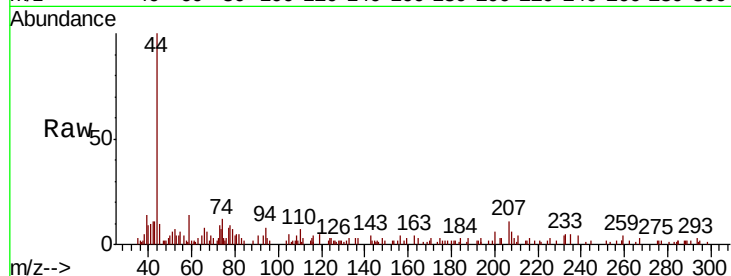




#8
Diethyl Ether
Concen: 1.350 ug/l
RT: 1.71 min Scan# 119
Delta R.T. -0.02 min
Lab File: VF062844.D
Acq: 4 Jun 2019 17:42

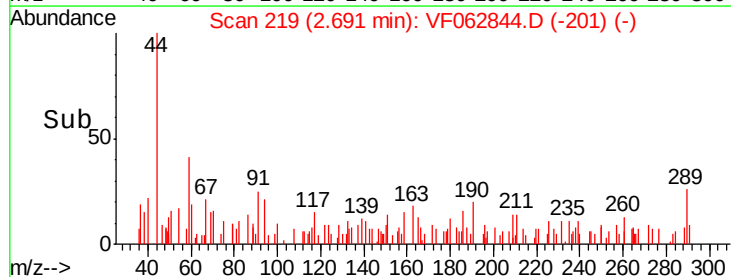
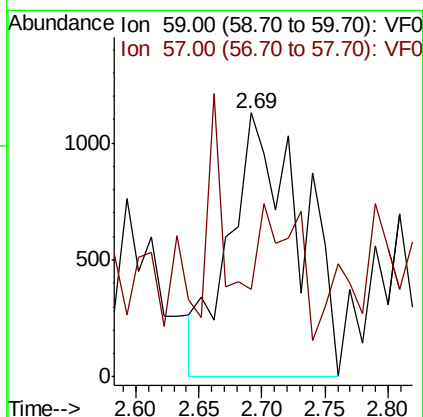
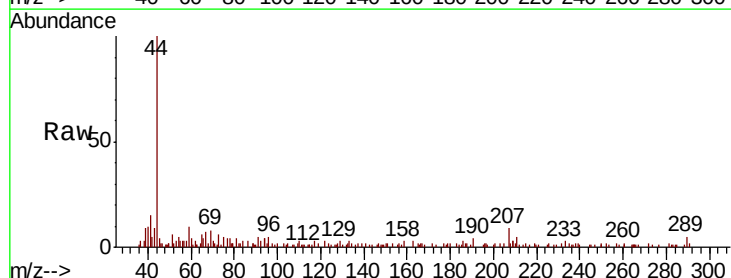
Instrument :
MSVOA_F
ClientSampled :

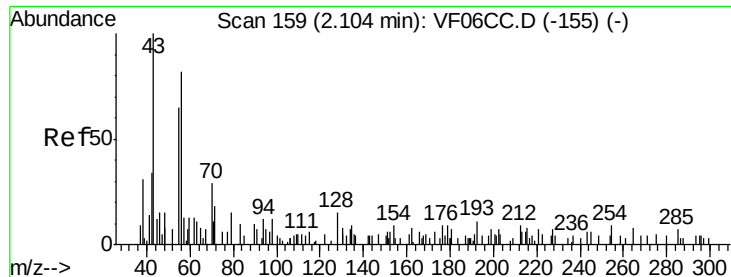
Tot Ion: 74 Resp: 2761
Ion Ratio Lower Upper
74 100
45 54.0 47.5 142.5



#11
Tert butyl alcohol
Concen: 14.732 ug/l
RT: 2.69 min Scan# 219
Delta R.T. -0.03 min
Lab File: VF062844.D
Acq: 4 Jun 2019 17:42

Tgt Ion: 59 Resp: 4407
Ion Ratio Lower Upper
59 100
57 33.1 9.2 13.8#





#13

Acrolein

Concen: 5.875 ug/l

RT: 2.10 min Scan# 159

Delta R.T. -0.02 min

Lab File: VF062844.D

Acq: 4 Jun 2019 17:42

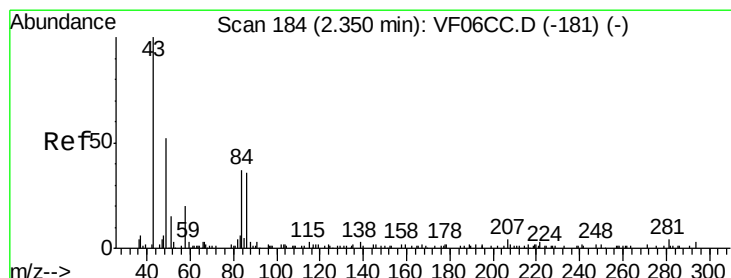
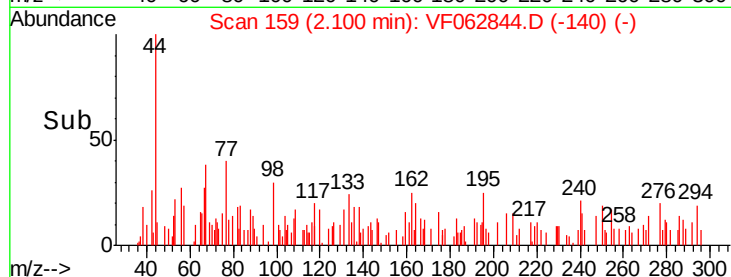
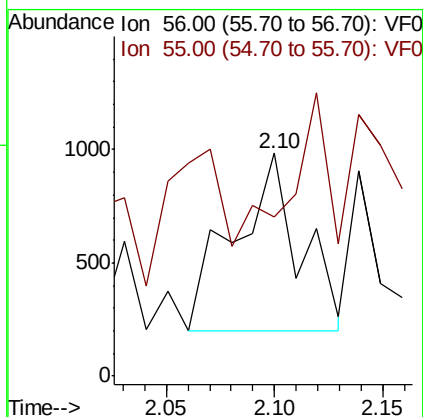
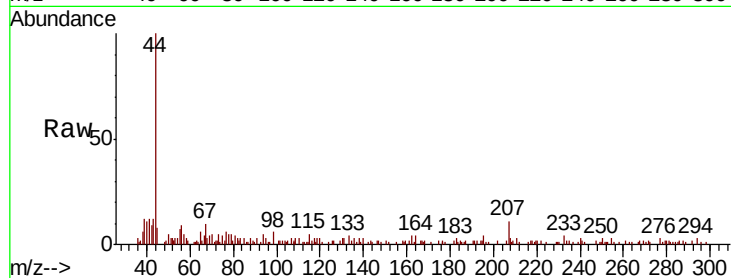
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 1657

Ion Ratio Lower Upper

56 100

55 71.3 52.9 79.3



#16

Acetone

Concen: 30.894 ug/l

RT: 2.36 min Scan# 185

Delta R.T. -0.01 min

Lab File: VF062844.D

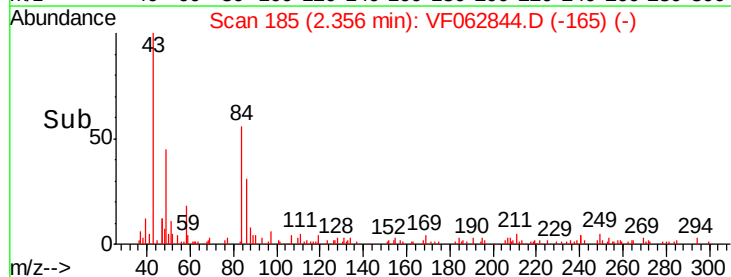
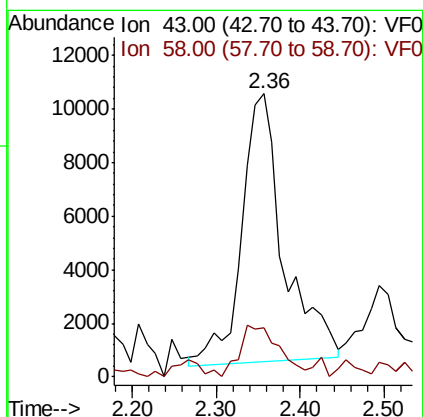
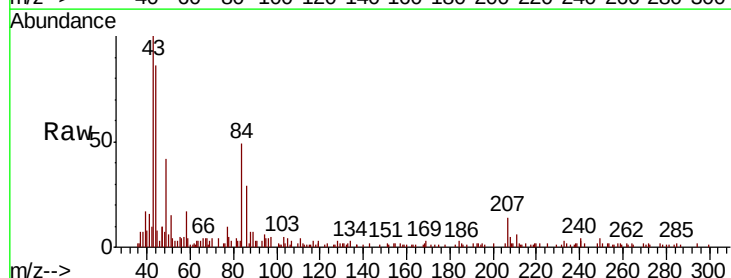
Acq: 4 Jun 2019 17:42

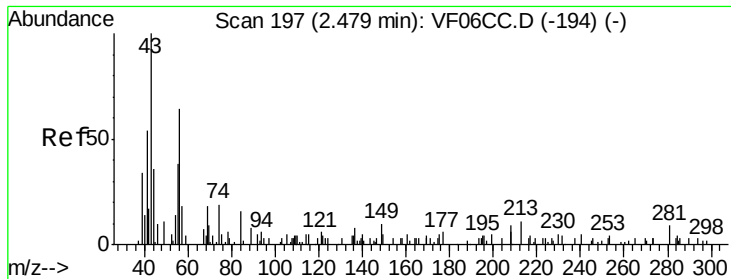
Tgt Ion: 43 Resp: 34918

Ion Ratio Lower Upper

43 100

58 17.2 19.0 28.4#

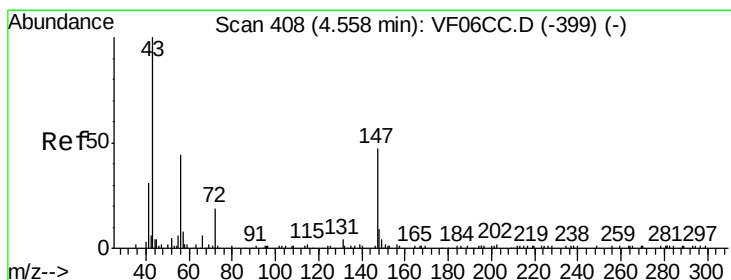
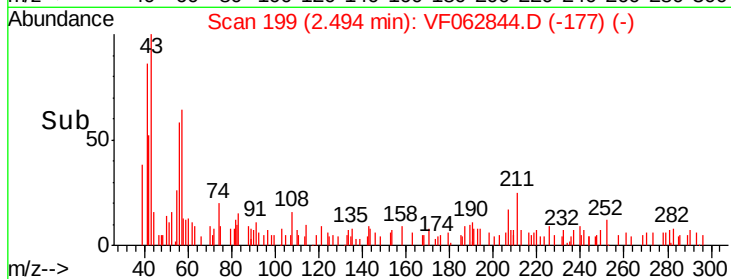
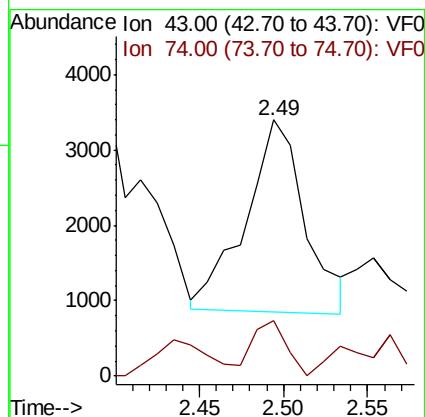
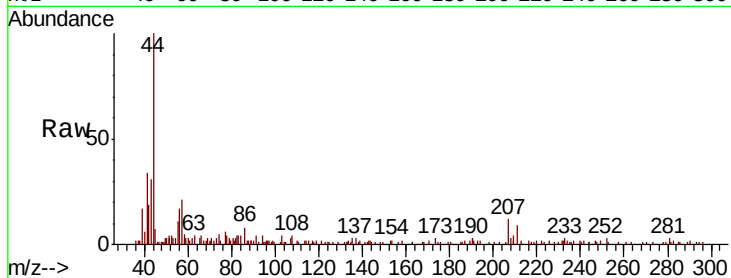




#18
Methyl Acetate
Concen: 3.149 ug/l
RT: 2.49 min Scan# 199
Delta R.T. 0.01 min
Lab File: VF062844.D
Acq: 4 Jun 2019 17:42

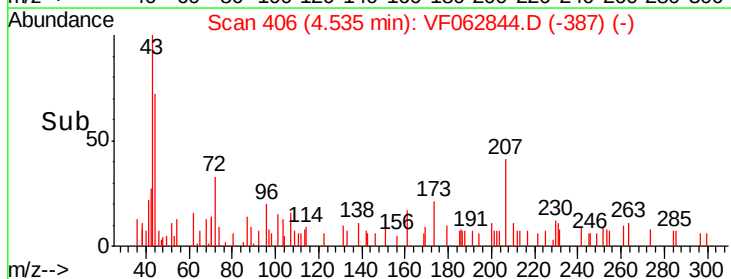
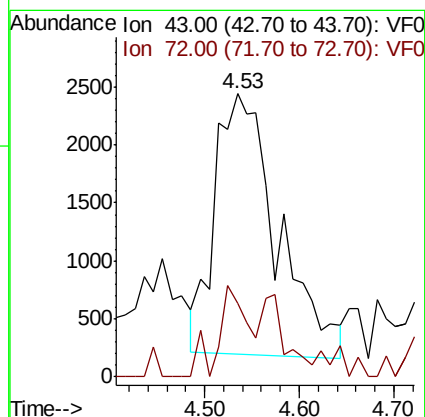
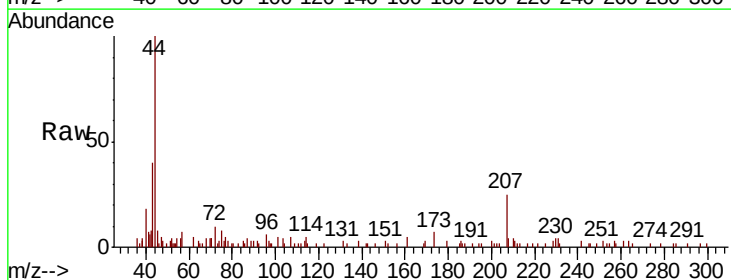
Instrument :
MSVOA_F
ClientSampled :

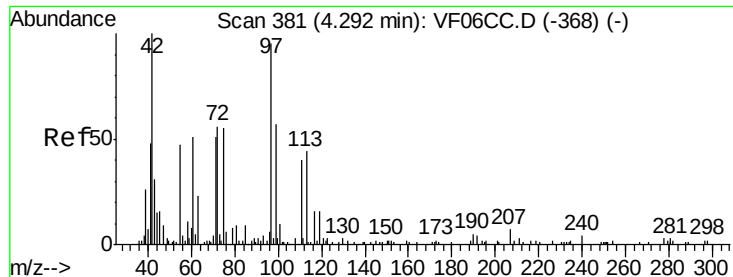
Tot Ion: 43 Resp: 6219
Ion Ratio Lower Upper
43 100
74 21.7 22.1 33.1#



#25
2-Butanone
Concen: 3.912 ug/l
RT: 4.53 min Scan# 406
Delta R.T. -0.02 min
Lab File: VF062844.D
Acq: 4 Jun 2019 17:42

Tgt Ion: 43 Resp: 10296
Ion Ratio Lower Upper
43 100
72 25.9 21.4 32.0

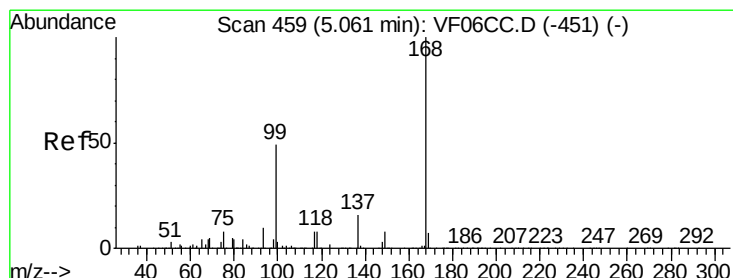
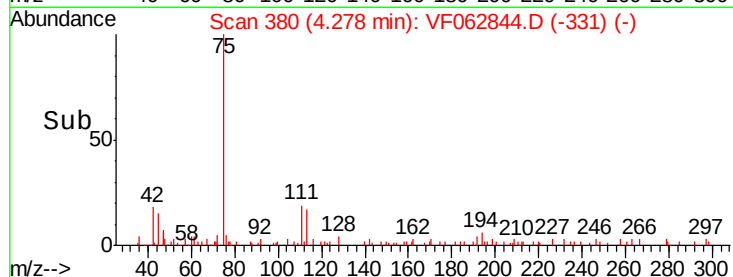
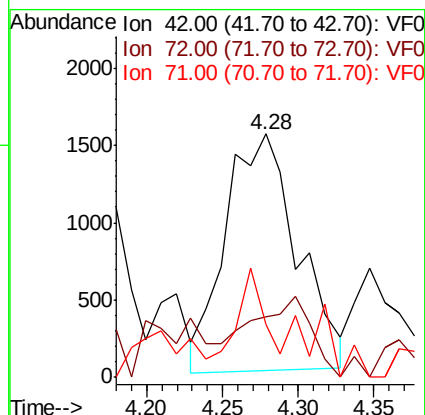
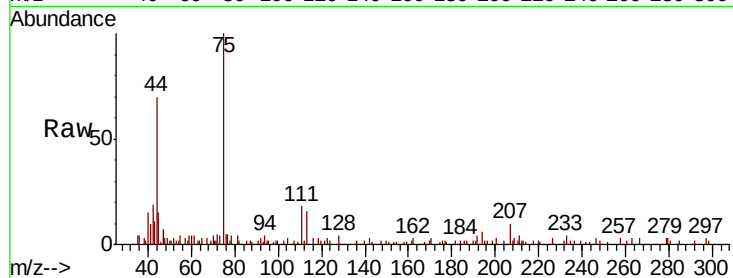




#29
Tetrahydrofuran
Concen: 5.048 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.02 min
Lab File: VF062844.D
Acq: 4 Jun 2019 17:42

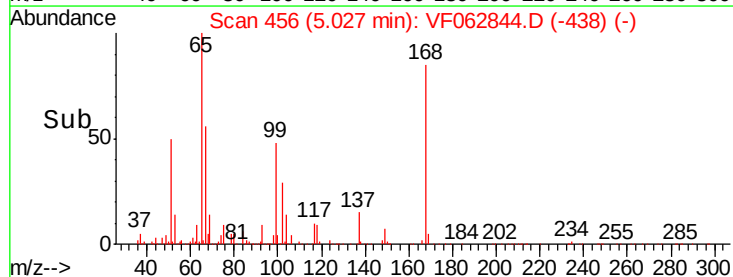
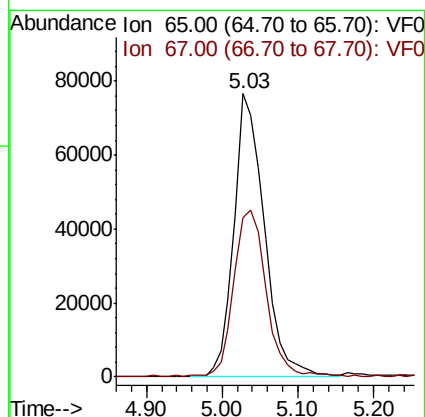
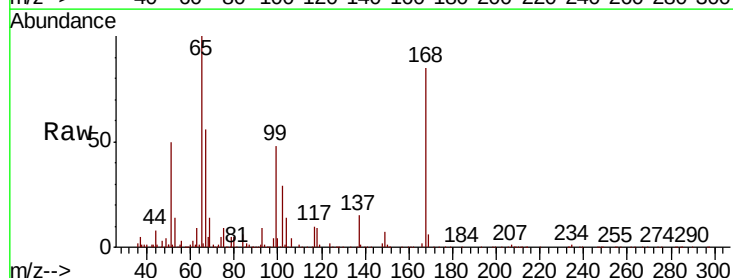
Instrument :
MSVOA_F
ClientSampleId :

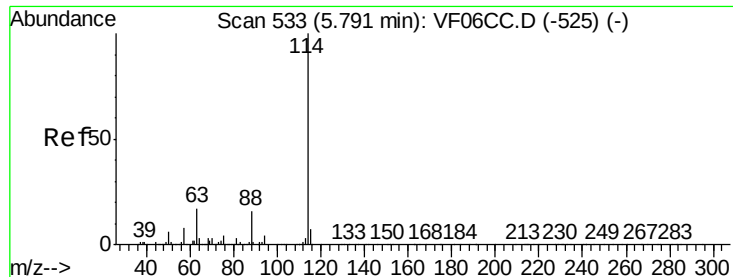
Tot Ion: 42 Resp: 5082
Ion Ratio Lower Upper
42 100
72 0.0 39.0 58.6#
71 19.5 36.9 55.3#



#33
1,2-Dichloroethane-d4
Concen: 43.162 ug/l
RT: 5.03 min Scan# 456
Delta R.T. -0.03 min
Lab File: VF062844.D
Acq: 4 Jun 2019 17:42

Tgt Ion: 65 Resp: 213141
Ion Ratio Lower Upper
65 100
67 56.2 0.0 121.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. -0.03 min

Lab File: VF062844.D

Acq: 4 Jun 2019 17:42

Instrument :
MSVOA_F
ClientSampleId :

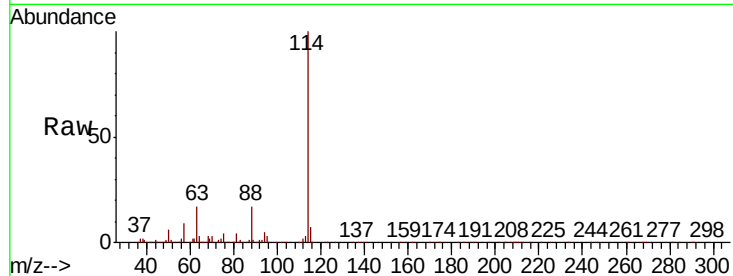
Tot Ion:114 Resp: 1216407

Ion Ratio Lower Upper

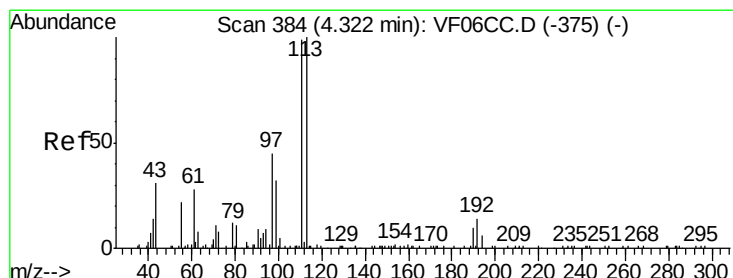
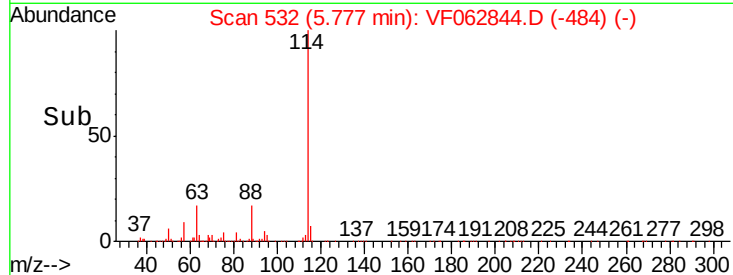
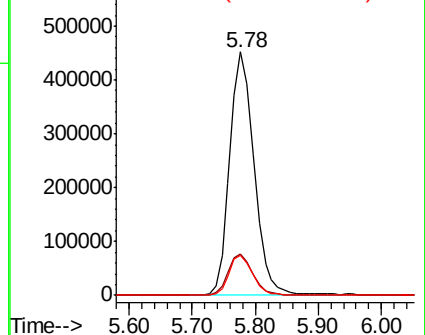
114 100

63 17.1 0.0 34.2

88 16.6 0.0 31.2



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: 1.965 ug/l

RT: 4.31 min Scan# 383

Delta R.T. -0.03 min

Lab File: VF062844.D

Acq: 4 Jun 2019 17:42

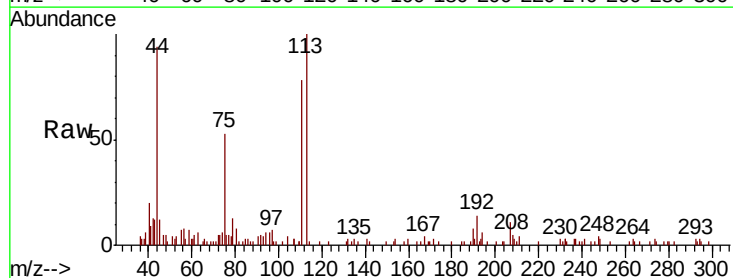
Tgt Ion:113 Resp: 18059

Ion Ratio Lower Upper

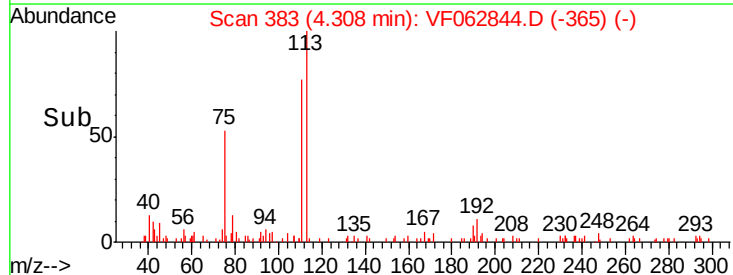
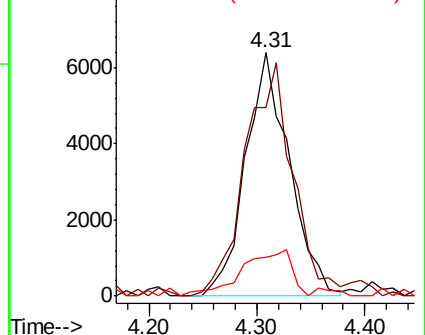
113 100

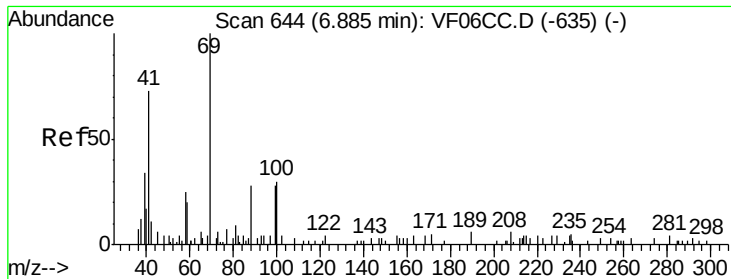
111 77.7 81.9 122.9#

192 15.7 15.1 22.7



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

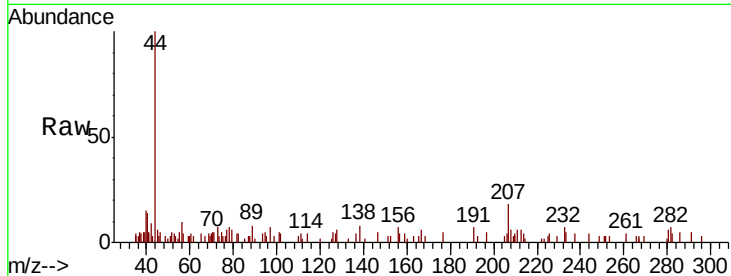




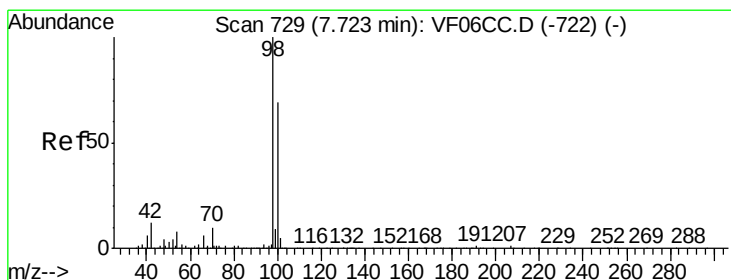
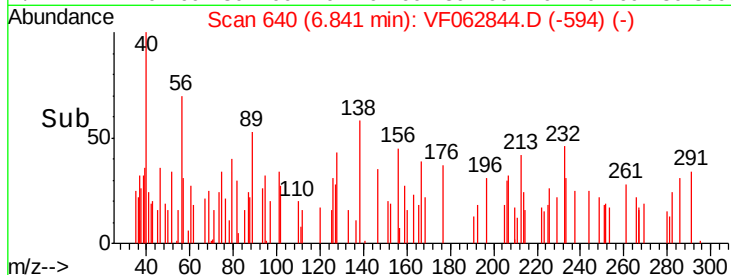
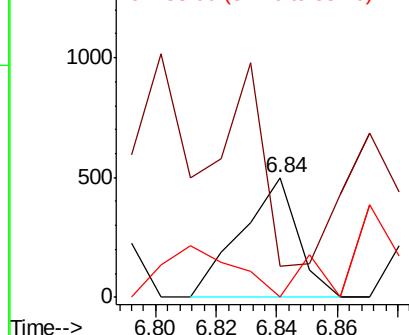
#49
1,4-Dioxane
Concen: 17.181 ug/l
RT: 6.84 min Scan# 640
Delta R.T. -0.05 min
Lab File: VF062844.D
Acq: 4 Jun 2019 17:42

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 88 Resp: 660
Ion Ratio Lower Upper
88 100
43 25.9 34.8 52.2#
58 0.0 59.9 89.9#

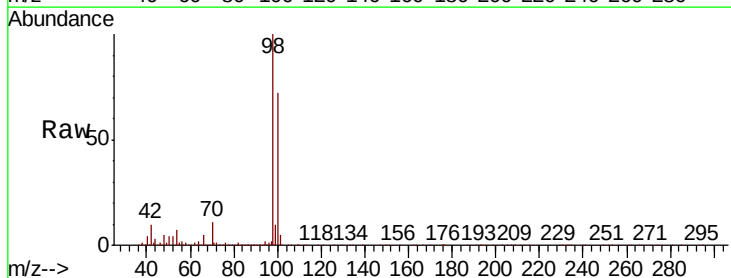


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

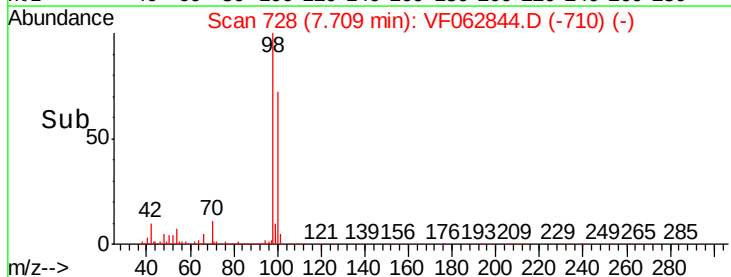
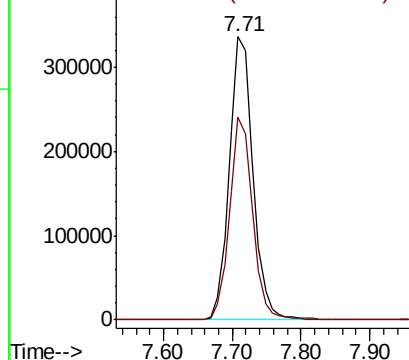


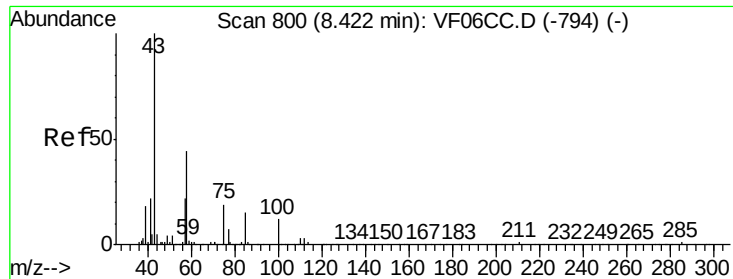
#50
Toluene-d8
Concen: 34.479 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.03 min
Lab File: VF062844.D
Acq: 4 Jun 2019 17:42

Tgt Ion: 98 Resp: 801422
Ion Ratio Lower Upper
98 100
100 71.8 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: 1.409 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.02 min

Lab File: VF062844.D

Acq: 4 Jun 2019 17:42

Instrument :

MSVOA_F

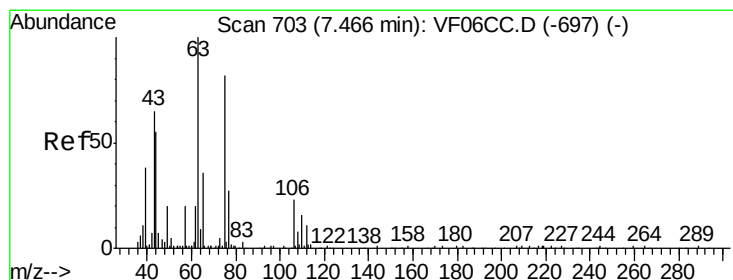
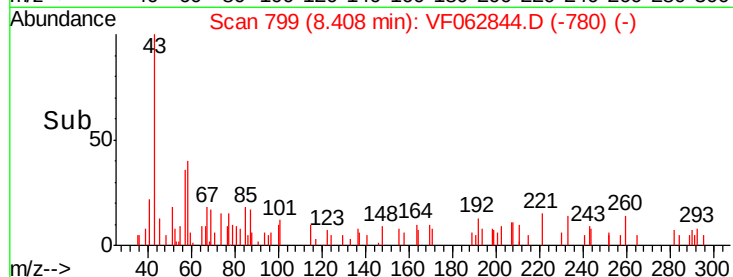
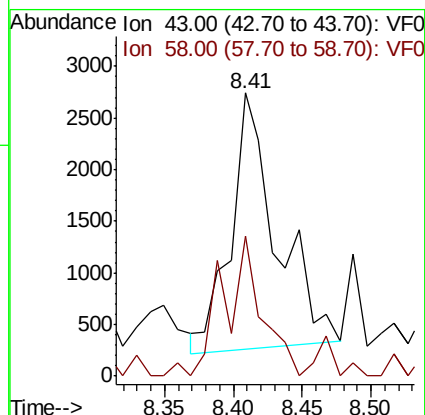
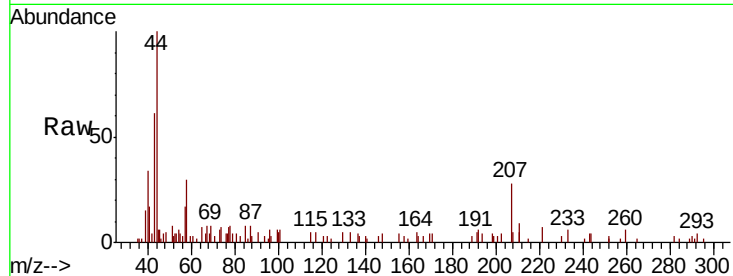
ClientSampled :

Tot Ion: 43 Resp: 5687

Ion Ratio Lower Upper

43 100

58 49.6 35.5 53.3



#58

2-Chloroethyl Vinyl ether

Concen: 1.607 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.03 min

Lab File: VF062844.D

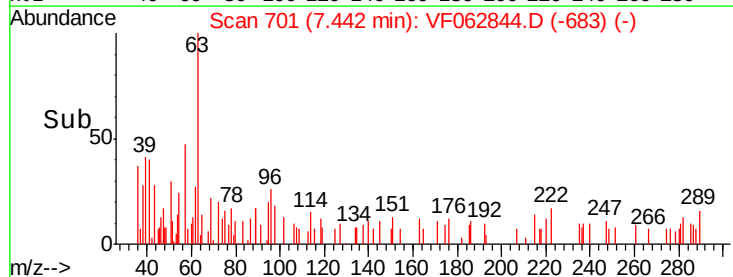
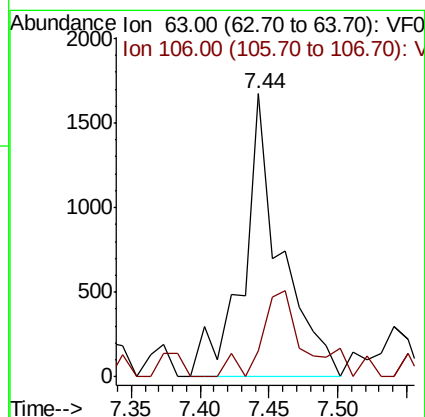
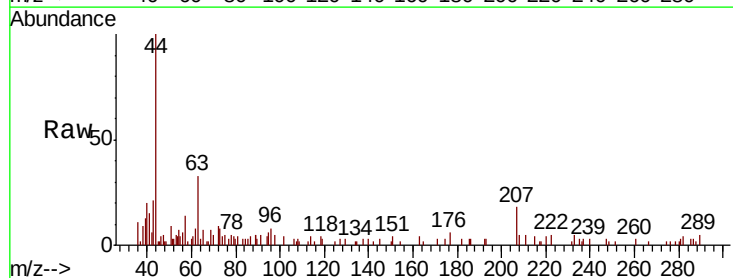
Acq: 4 Jun 2019 17:42

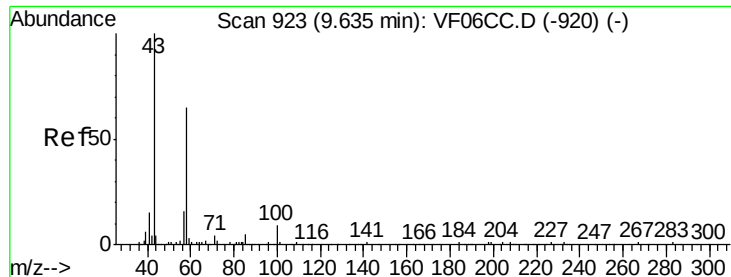
Tgt Ion: 63 Resp: 3160

Ion Ratio Lower Upper

63 100

106 9.2 19.5 29.3#

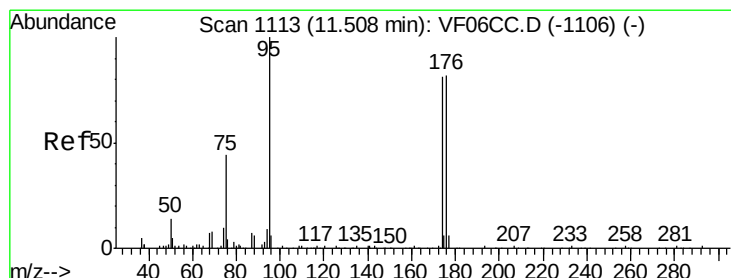
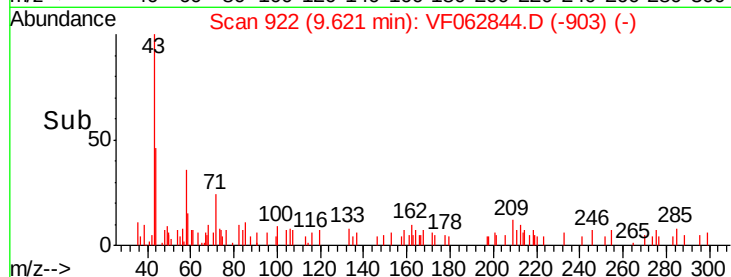
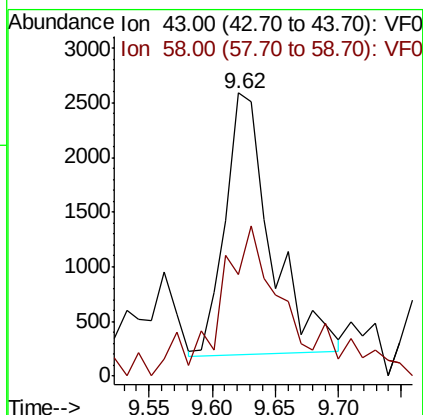
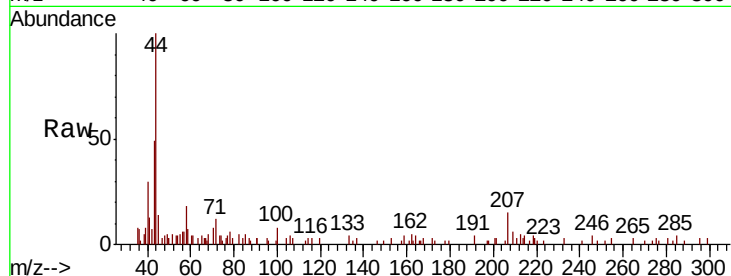




#59
2-Hexanone
Concen: 2.099 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.02 min
Lab File: VF062844.D
Acq: 4 Jun 2019 17:42

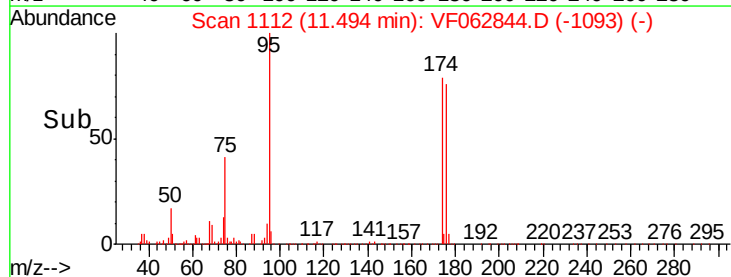
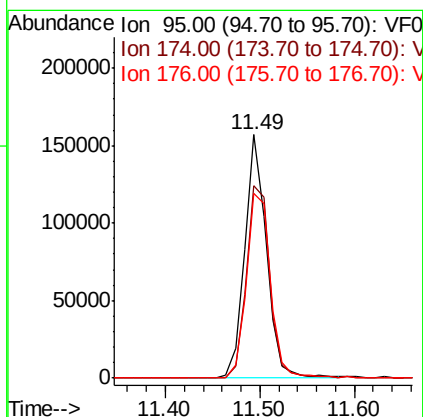
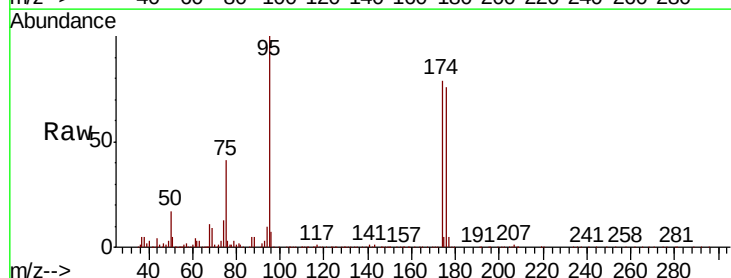
Instrument :
MSVOA_F
ClientSampled :

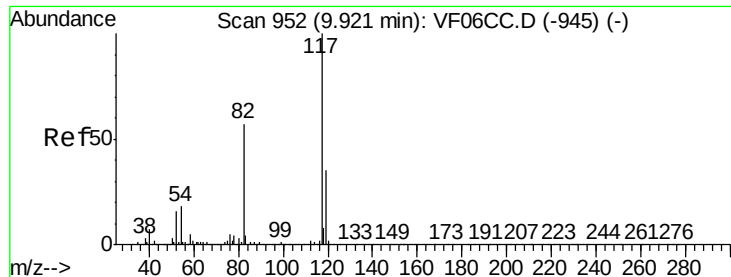
Tot Ion: 43 Resp: 6040
Ion Ratio Lower Upper
43 100
58 35.9 29.3 87.9



#62
4-Bromofluorobenzene
Concen: 29.925 ug/l
RT: 11.49 min Scan# 1112
Delta R.T. -0.02 min
Lab File: VF062844.D
Acq: 4 Jun 2019 17:42

Tgt Ion: 95 Resp: 250203
Ion Ratio Lower Upper
95 100
174 78.8 0.0 170.6
176 75.8 0.0 170.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 951

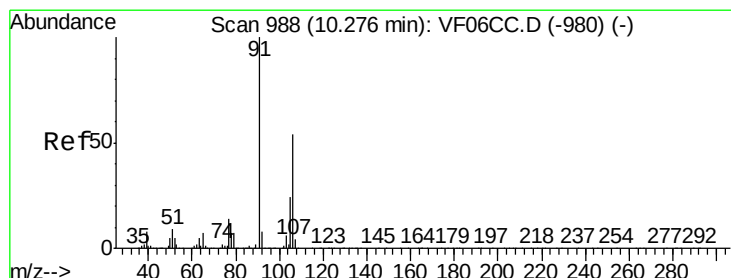
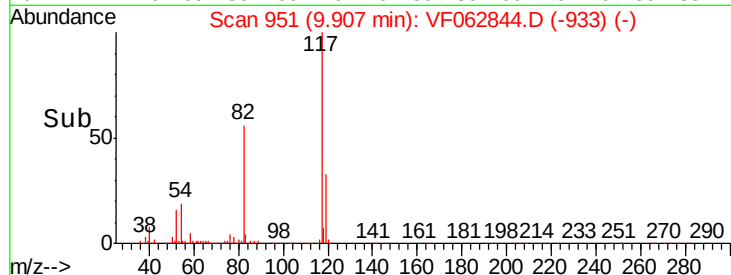
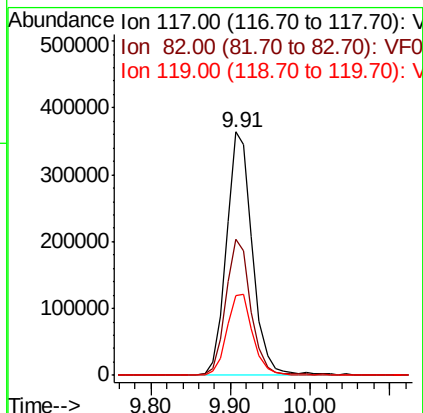
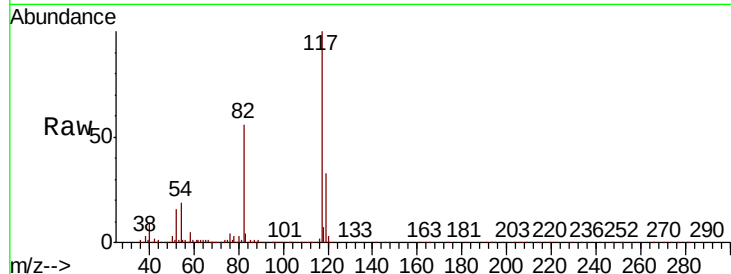
Delta R.T. -0.03 min

Lab File: VF062844.D

Acq: 4 Jun 2019 17:42

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	117	Resp:	830247
Ion	Ratio	Lower	Upper
117	100		
82	56.1	42.4	63.6
119	32.8	27.1	40.7



#68

m/p-Xylenes

Concen: 1.286 ug/l

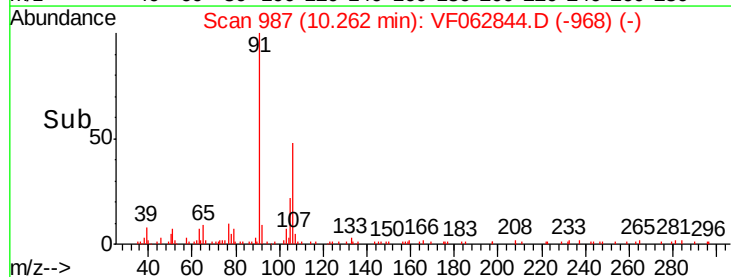
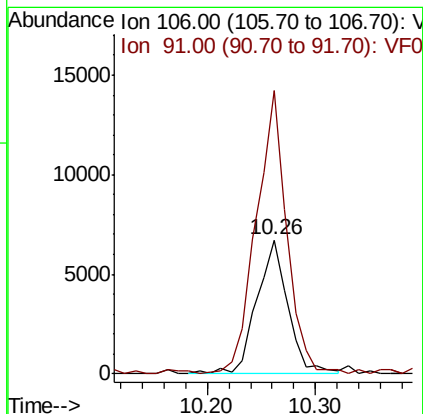
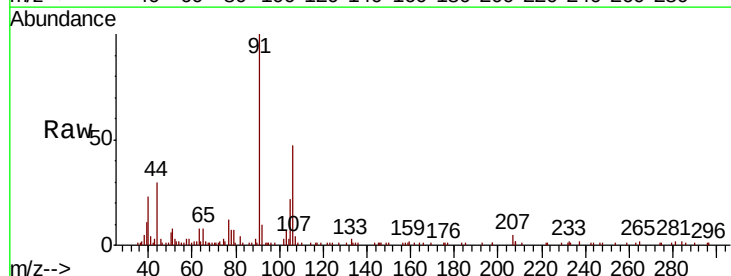
RT: 10.26 min Scan# 987

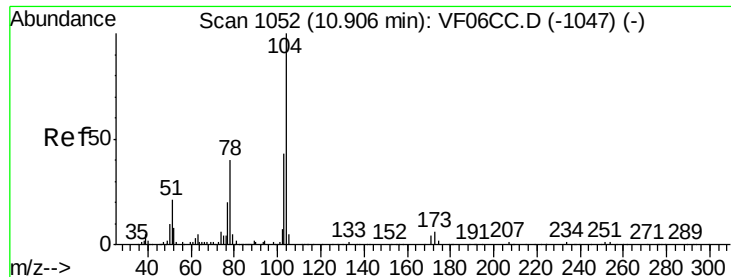
Delta R.T. -0.02 min

Lab File: VF062844.D

Acq: 4 Jun 2019 17:42

Tgt Ion:	106	Resp:	13535
Ion	Ratio	Lower	Upper
106	100		
91	211.0	136.2	204.4#

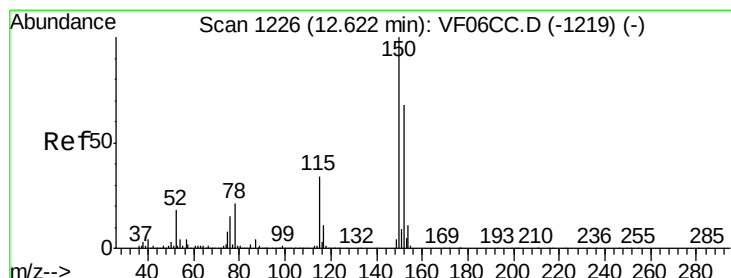
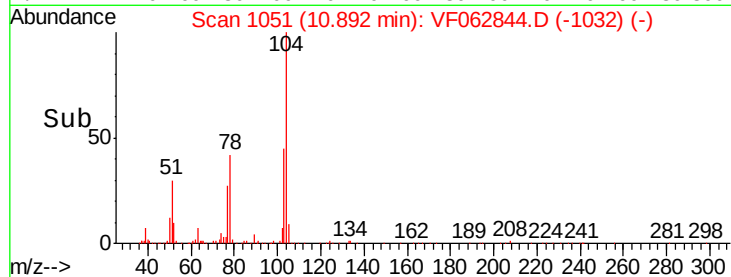
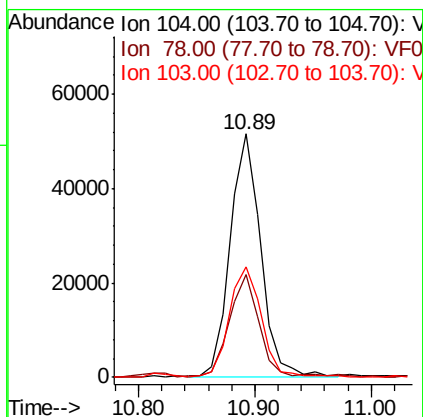
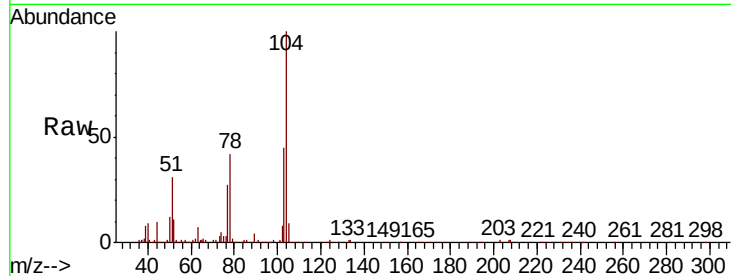




#70
Stvrene
Concen: 5.949 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.02 min
Lab File: VF062844.D
Acq: 4 Jun 2019 17:42

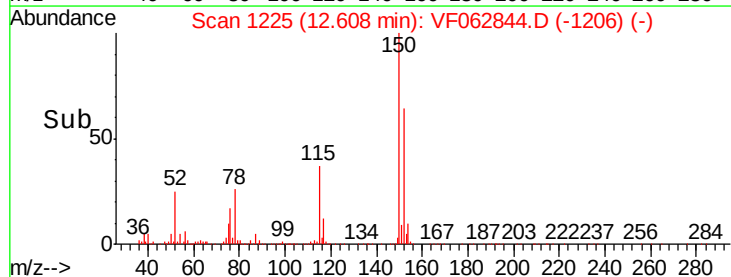
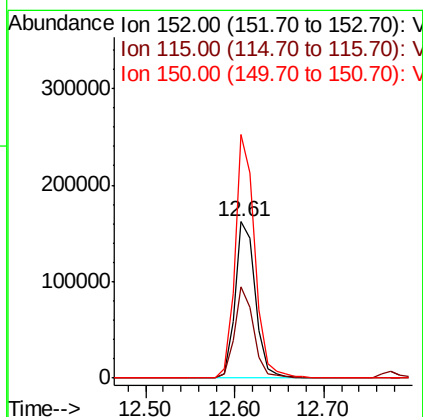
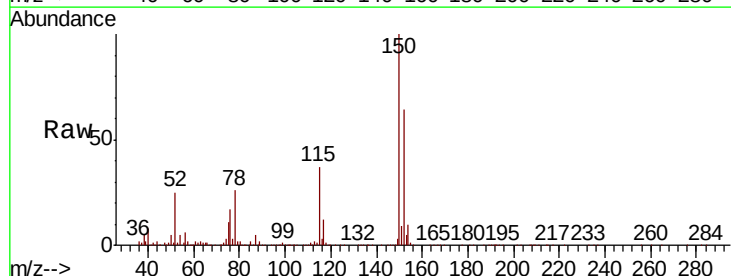
Instrument :
MSVOA_F
ClientSampleId :

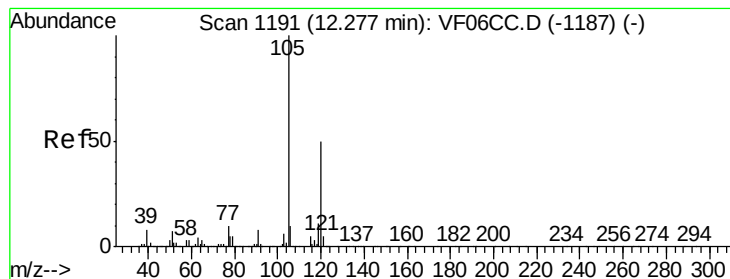
Tot Ion	Ratio	Lower	Upper
104	100		
78	42.3	30.8	46.2
103	45.2	35.8	53.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.02 min
Lab File: VF062844.D
Acq: 4 Jun 2019 17:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.1	24.6	74.0
150	155.6	0.0	290.6





#84

1,2,4-Trimethylbenzene

Concen: 2.596 ug/l

RT: 12.26 min Scan# 1190

Delta R.T. -0.02 min

Lab File: VF062844.D

Acq: 4 Jun 2019 17:42

Instrument :

MSVOA_F

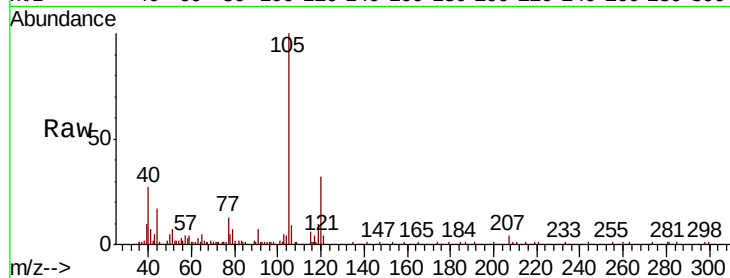
ClientSampleId :

Tot Ion:105 Resp: 36635

Ion Ratio Lower Upper

105 100

120 32.4 27.1 81.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

25000

20000

15000

10000

5000

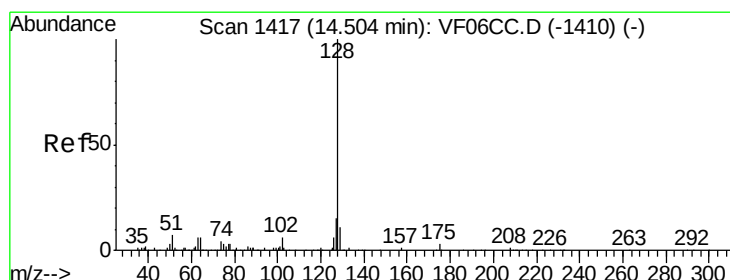
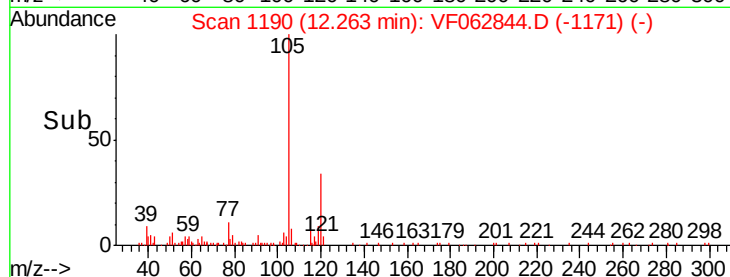
0

12.26

12.25

12.30

Time-->



#95

Naphthalene

Concen: 31.992 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. -0.02 min

Lab File: VF062844.D

Acq: 4 Jun 2019 17:42

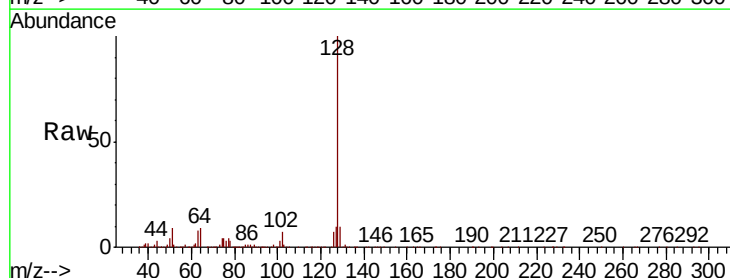
Tgt Ion:128 Resp: 255094

Ion Ratio Lower Upper

128 100

127 10.4 9.7 14.5

129 10.5 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

250000

200000

150000

100000

50000

0

14.49

14.40

14.50

14.60

Time-->

