

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060419\
 Data File : VF062855.D
 Acq On : 4 Jun 2019 22:50
 Operator : FY/SY
 Sample : K3163-01
 Misc : 5.21g/5mL/MSVOA F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 05 05:25:21 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	685895	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.78	114	1173366	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	753515	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	297934	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	222488	46.91	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	93.82%	
35) Dibromofluoromethane	4.31	113	414912	46.80	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	93.60%	
50) Toluene-d8	7.71	98	668068	29.80	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	59.60%	
62) 4-Bromofluorobenzene	11.50	95	274057	33.98	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	67.96%	

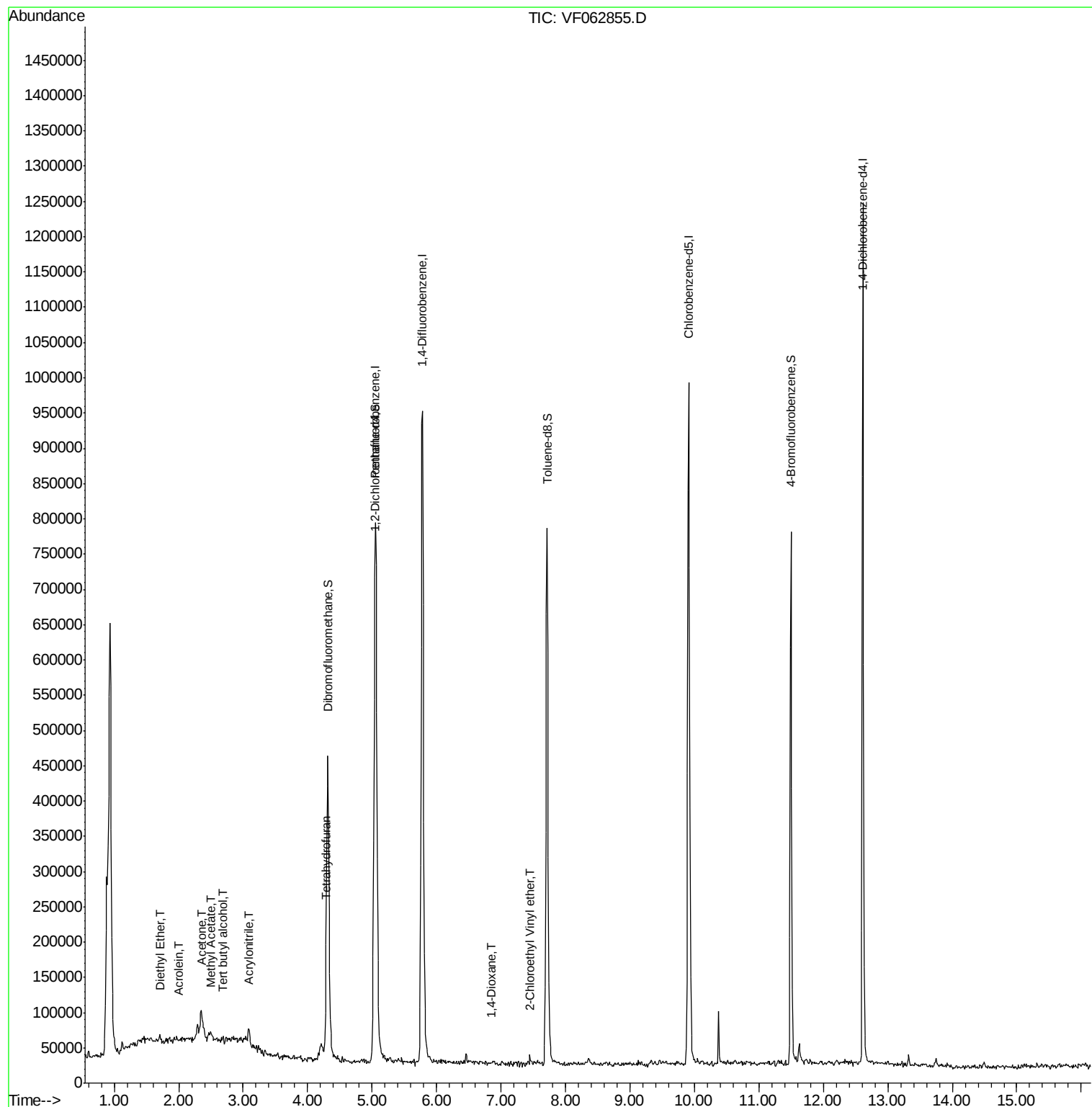
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.15	85	461	Below Cal		97
8) Diethyl Ether	1.71	74	2327	1.185	ug/l	55
11) Tert butyl alcohol	2.70	59	665	2.314	ug/l #	1
13) Acrolein	2.00	56	1250	2.799	ug/l	90
15) Acrylonitrile	3.09	53	1694	1.569	ug/l #	52
16) Acetone	2.35	43	34501	31.782	ug/l	93
18) Methyl Acetate	2.49	43	7424	3.914	ug/l #	59
20) Methylene Chloride	2.29	84	9800	Below Cal		94
29) Tetrahydrofuran	4.27	42	2408	2.490	ug/l #	52
49) 1,4-Dioxane	6.86	88	283	7.637	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.46	63	2186	1.152	ug/l	91

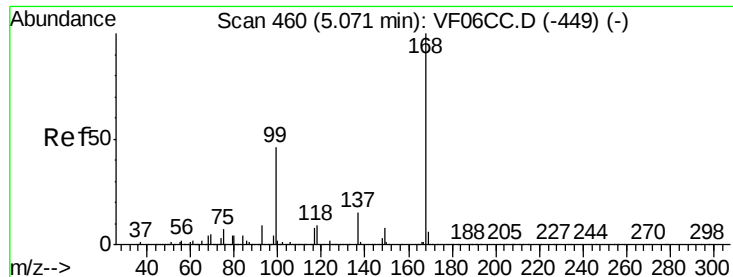
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF060419\
Data File : VF062855.D
Acq On : 4 Jun 2019 22:50
Operator : FY/SY
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Misc : 5.21q/5mL/MSVOA F/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Jun 05 05:25:21 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. -0.01 min

Lab File: VF062855.D

Acq: 4 Jun 2019 22:50

Instrument :

MSVOA_F

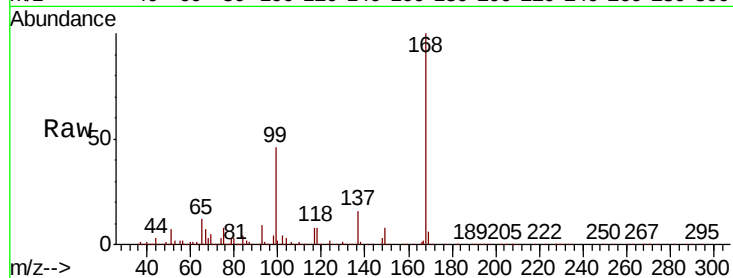
ClientSampleId :

Tot Ion:168 Resp: 685895

Ion Ratio Lower Upper

168 100

99 45.9 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

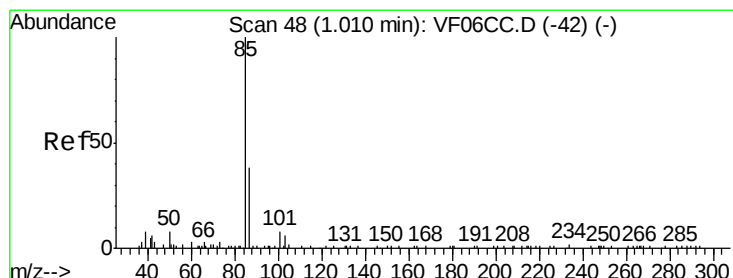
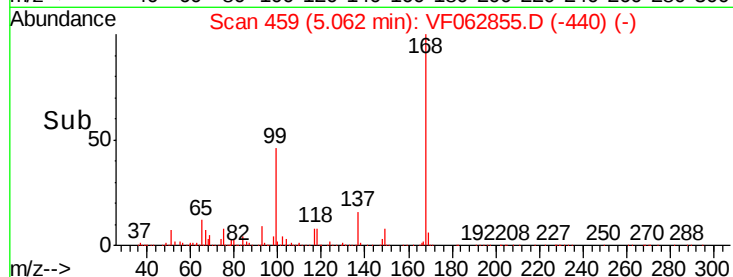
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.15 min Scan# 62

Delta R.T. 0.14 min

Lab File: VF062855.D

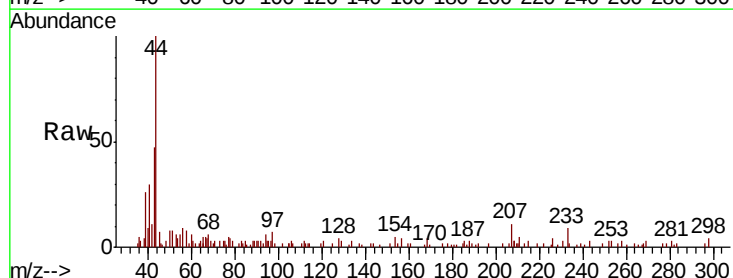
Acq: 4 Jun 2019 22:50

Tgt Ion: 85 Resp: 461

Ion Ratio Lower Upper

85 100

87 33.3 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.15

400

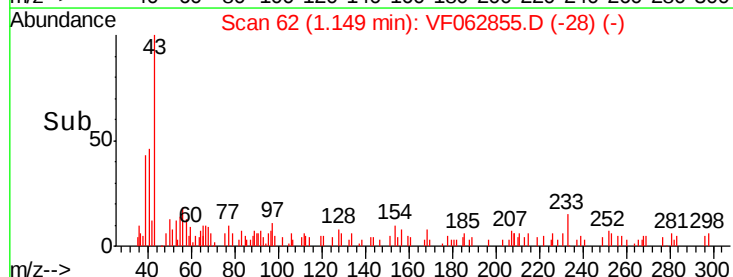
300

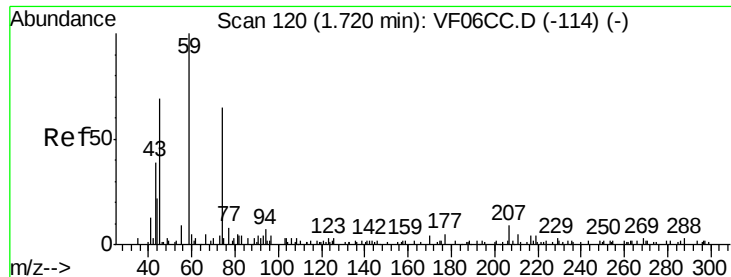
200

100

0

Time-->





#8

Diethyl Ether

Concen: 1.185 ug/l

RT: 1.71 min Scan# 119

Delta R.T. -0.01 min

Lab File: VF062855.D

Acq: 4 Jun 2019 22:50

Instrument :

MSVOA_F

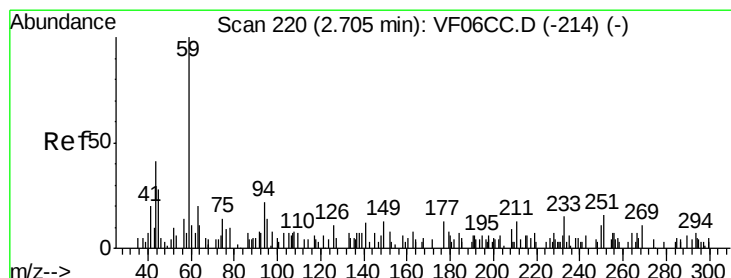
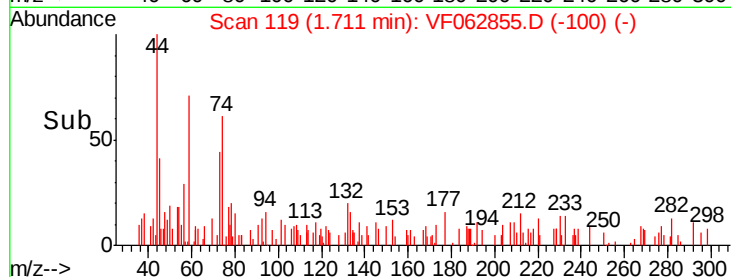
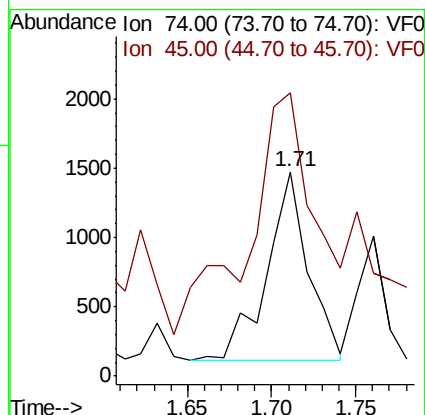
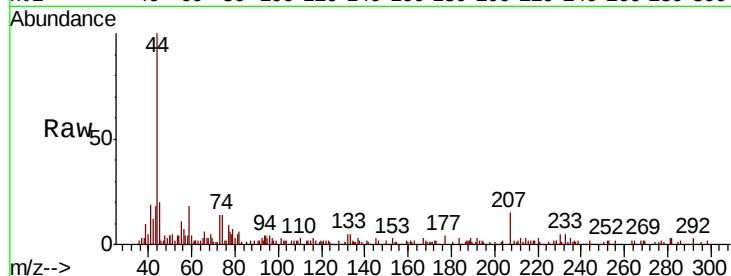
ClientSampleId :

Tot Ion: 74 Resp: 2327

Ion Ratio Lower Upper

74 100

45 138.4 47.5 142.5



#11

Tert butyl alcohol

Concen: 2.314 ug/l

RT: 2.70 min Scan# 219

Delta R.T. -0.02 min

Lab File: VF062855.D

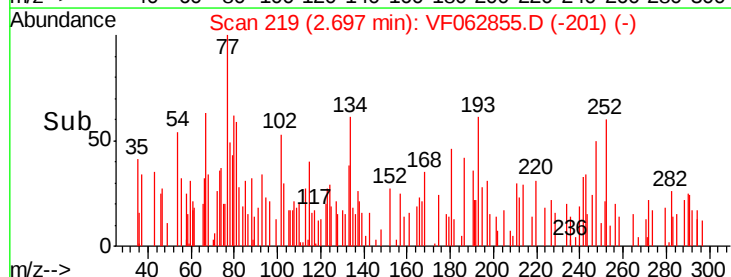
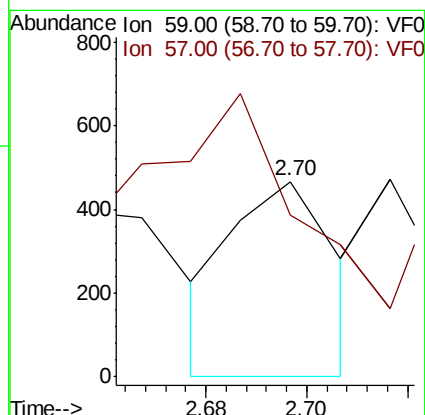
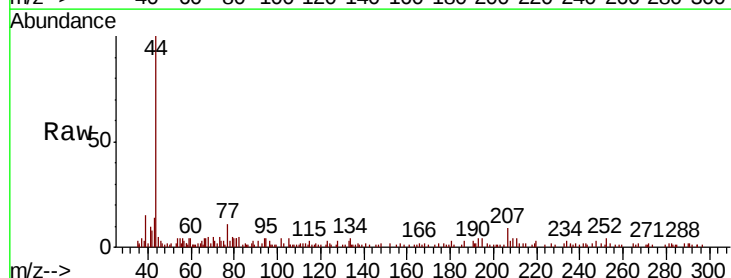
Acq: 4 Jun 2019 22:50

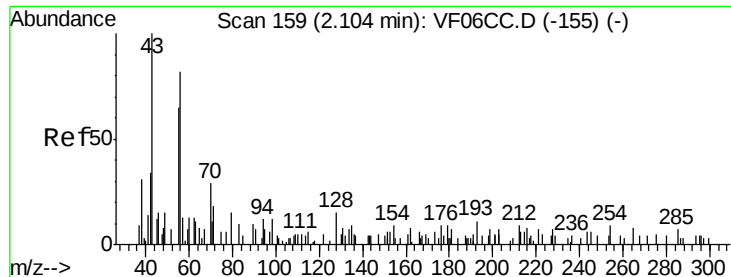
Tgt Ion: 59 Resp: 665

Ion Ratio Lower Upper

59 100

57 125.5 9.2 13.8#





#13

Acrolein

Concen: 2.799 ug/l

RT: 2.00 min Scan# 148

Delta R.T. -0.12 min

Lab File: VF062855.D

Acq: 4 Jun 2019 22:50

Instrument :

MSVOA_F

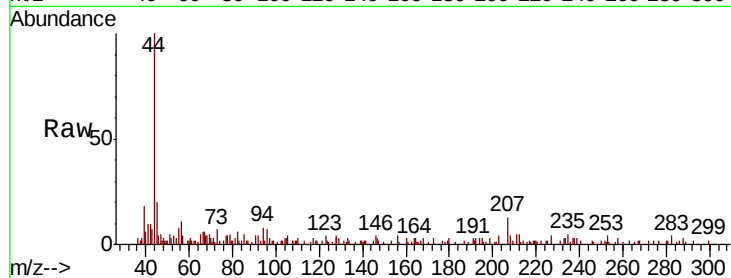
ClientSampled :

Tot Ion: 56 Resp: 1250

Ion Ratio Lower Upper

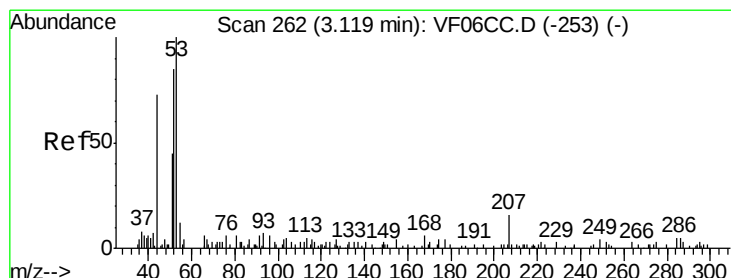
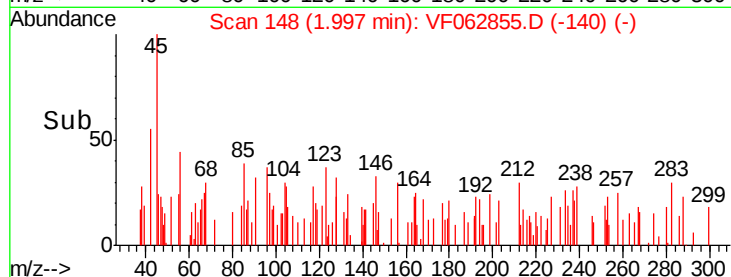
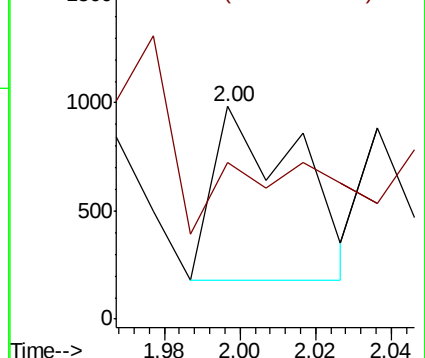
56 100

55 74.0 52.9 79.3



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#15

Acrylonitrile

Concen: 1.569 ug/l

RT: 3.09 min Scan# 259

Delta R.T. -0.02 min

Lab File: VF062855.D

Acq: 4 Jun 2019 22:50

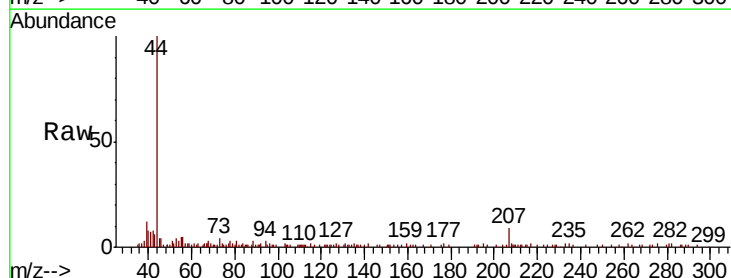
Tgt Ion: 53 Resp: 1694

Ion Ratio Lower Upper

53 100

52 56.1 68.1 102.1#

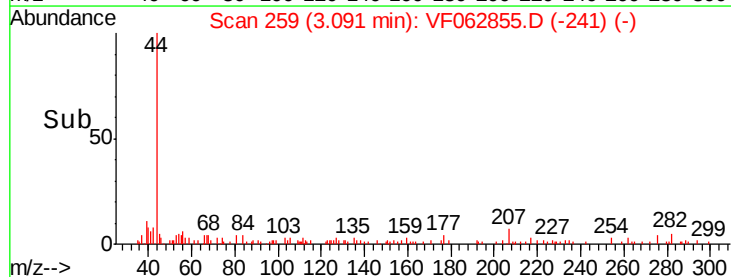
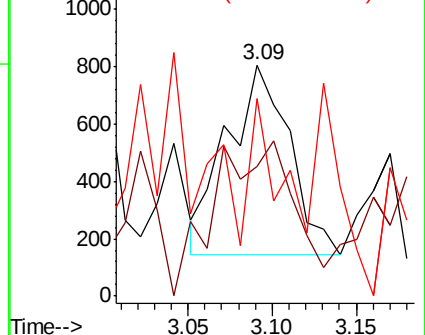
51 85.4 27.7 41.5#

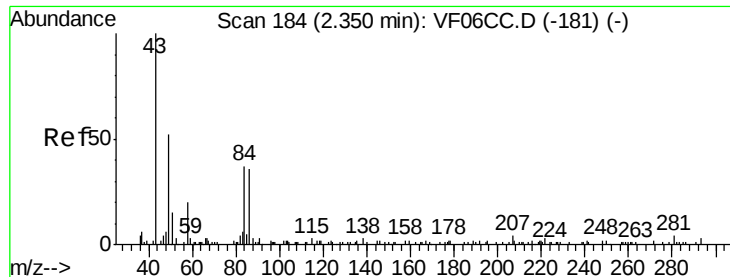


Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0





#16

Acetone

Concen: 31.782 ug/l

RT: 2.35 min Scan# 184

Delta R.T. -0.01 min

Lab File: VF062855.D

Acq: 4 Jun 2019 22:50

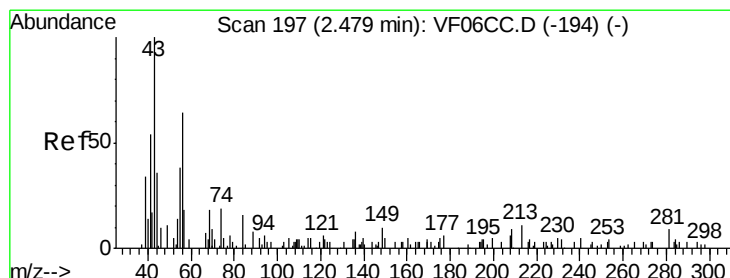
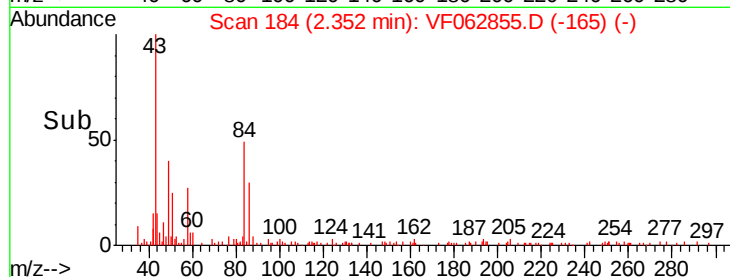
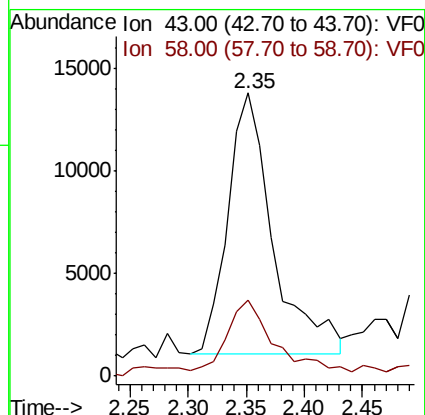
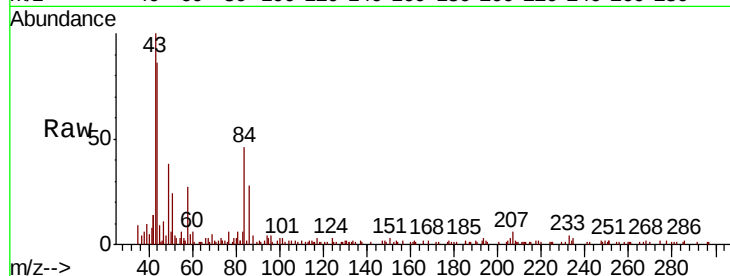
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 34501

Ion Ratio Lower Upper

43 100

58 27.1 19.0 28.4



#18

Methyl Acetate

Concen: 3.914 ug/l

RT: 2.49 min Scan# 198

Delta R.T. 0.01 min

Lab File: VF062855.D

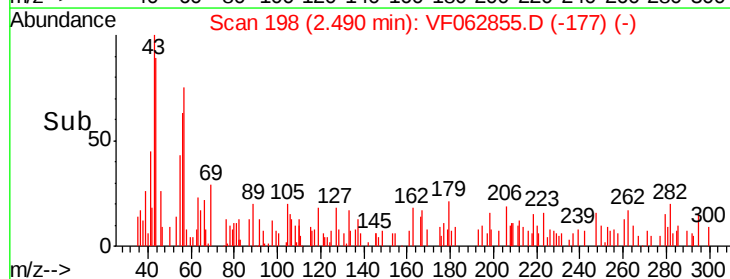
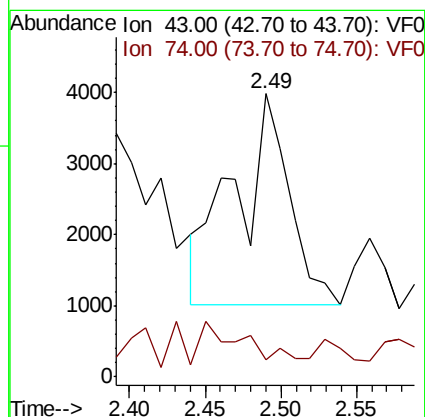
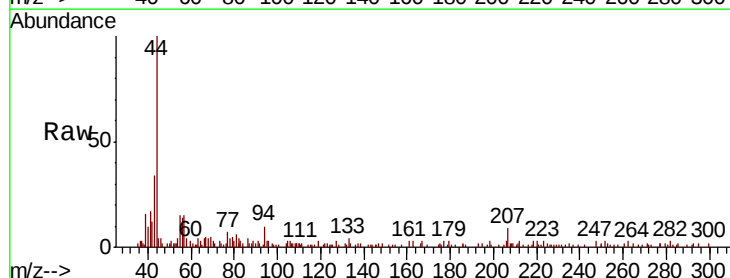
Acq: 4 Jun 2019 22:50

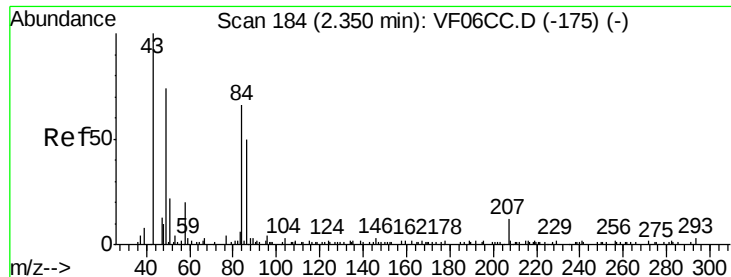
Tgt Ion: 43 Resp: 7424

Ion Ratio Lower Upper

43 100

74 6.1 22.1 33.1#

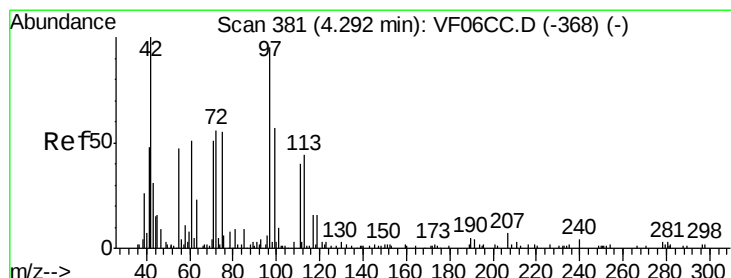
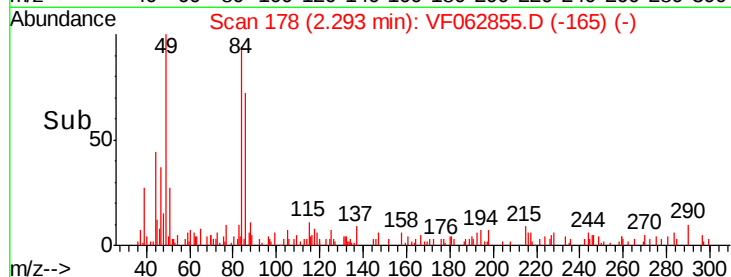
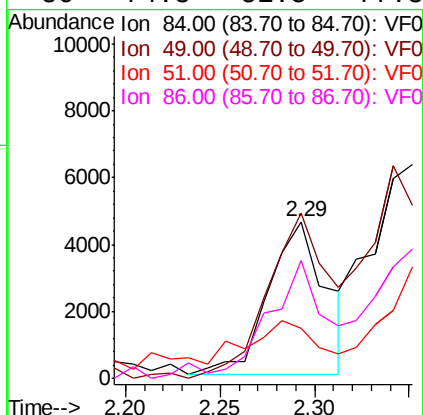
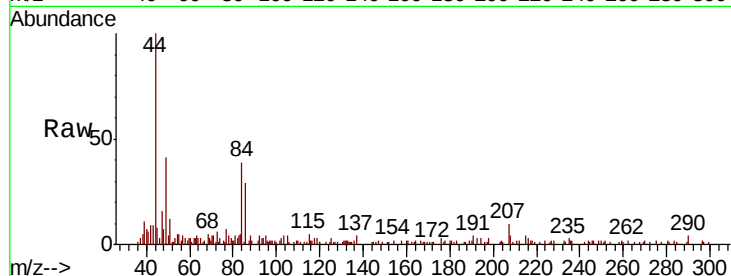




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.29 min Scan# 178
Delta R.T. -0.07 min
Lab File: VF062855.D
Acq: 4 Jun 2019 22:50

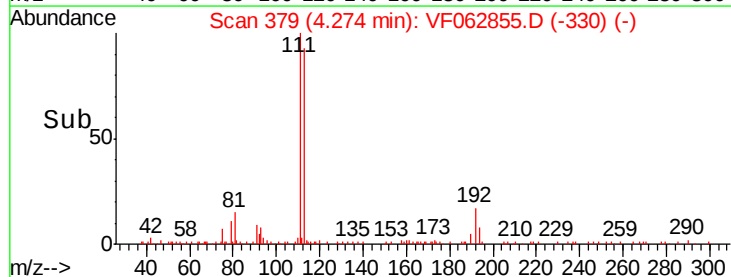
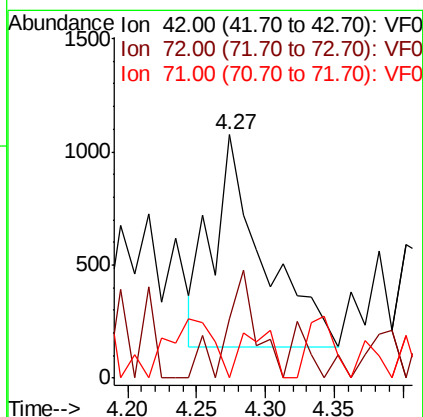
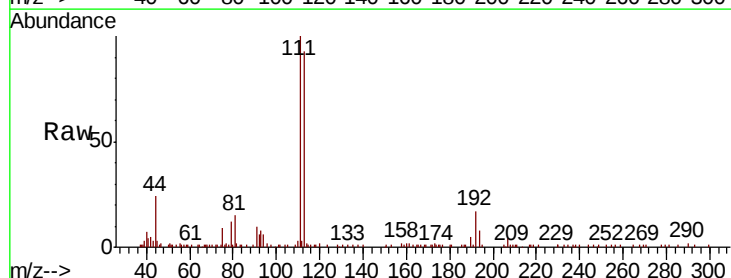
Instrument :
MSVOA_F
ClientSampled :

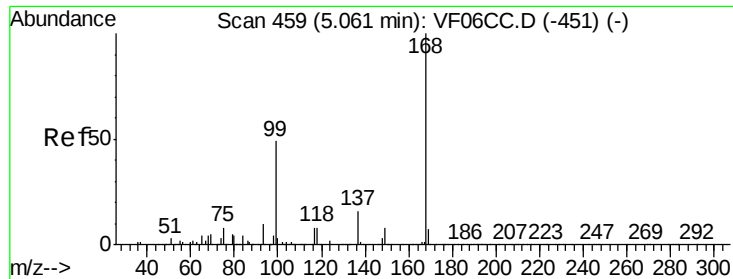
Tot Ion:	84	Resp:	9800
Ion	Ratio	Lower	Upper
84	100		
49	105.6	82.6	123.8
51	32.0	25.0	37.4
86	74.8	51.5	77.3



#29
Tetrahydrofuran
Concen: 2.490 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.02 min
Lab File: VF062855.D
Acq: 4 Jun 2019 22:50

Tgt Ion:	42	Resp:	2408
Ion	Ratio	Lower	Upper
42	100		
72	30.6	39.0	58.6#
71	0.0	36.9	55.3#

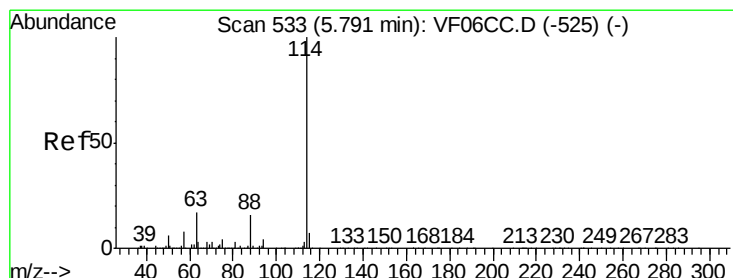
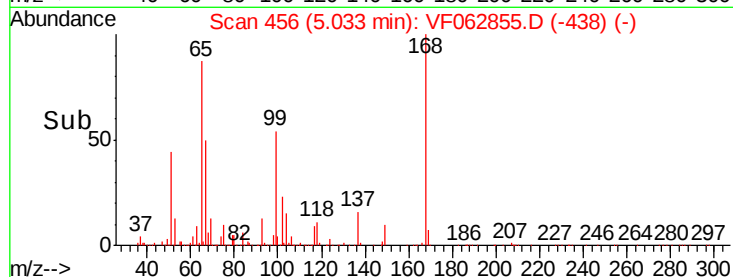
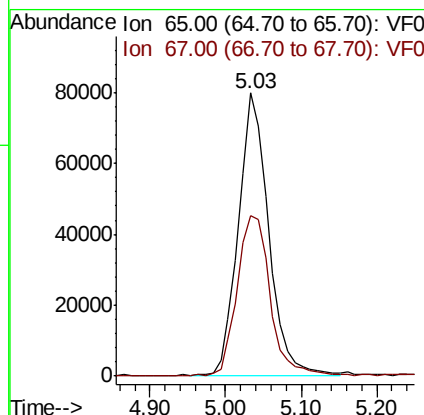
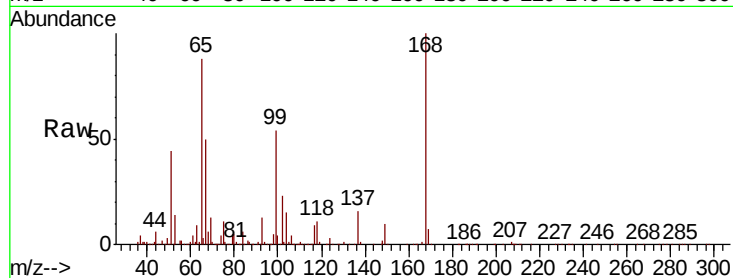




#33
 1,2-Dichloroethane-d4
 Concen: 46.909 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. -0.02 min
 Lab File: VF062855.D
 Acq: 4 Jun 2019 22:50

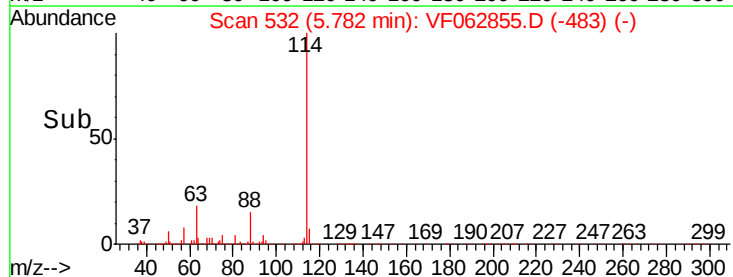
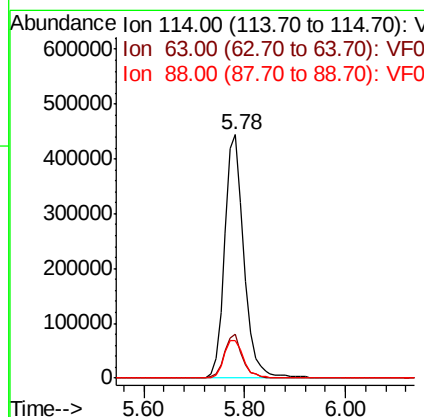
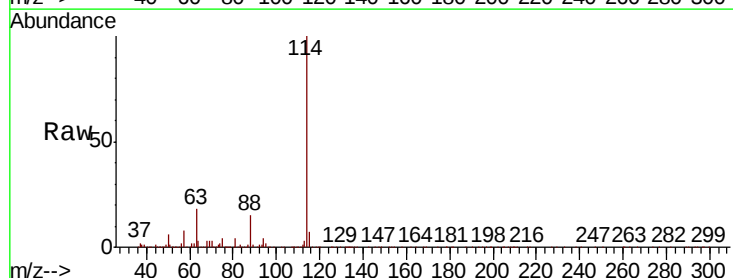
Instrument :
 MSVOA_F
 ClientSampled :

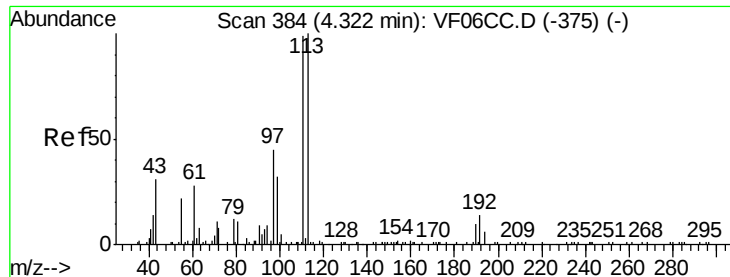
Tot Ion: 65 Resp: 222488
 Ion Ratio Lower Upper
 65 100
 67 56.8 0.0 121.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. -0.02 min
 Lab File: VF062855.D
 Acq: 4 Jun 2019 22:50

Tgt Ion: 114 Resp: 1173366
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 34.2
 88 15.2 0.0 31.2





#35

Dibromofluoromethane

Concen: 46.795 ug/l

RT: 4.31 min Scan# 383

Delta R.T. -0.02 min

Lab File: VF062855.D

Acq: 4 Jun 2019 22:50

Instrument :
MSVOA_F
ClientSampled :

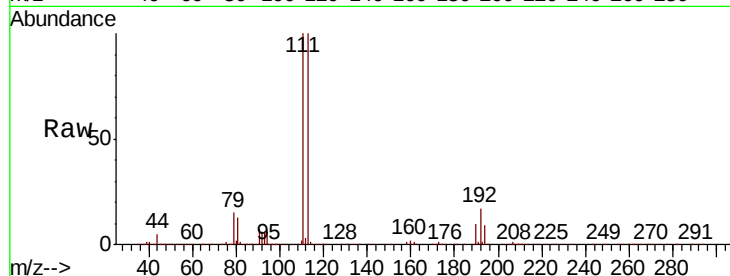
Tot Ion:113 Resp: 414912

Ion Ratio Lower Upper

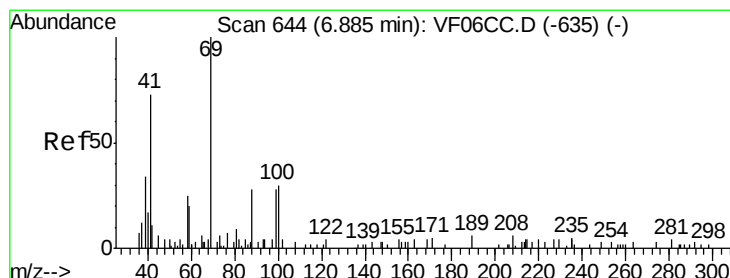
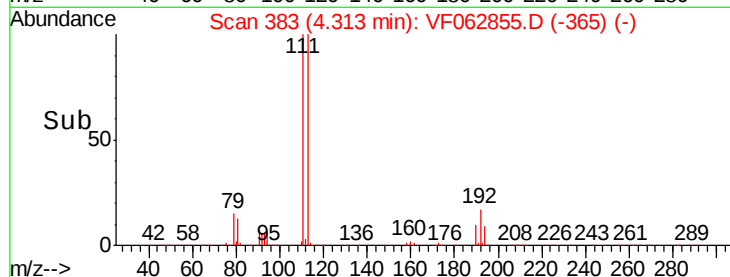
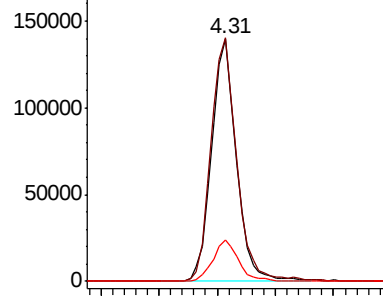
113 100

111 100.4 81.9 122.9

192 17.0 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: 7.637 ug/l

RT: 6.86 min Scan# 641

Delta R.T. -0.03 min

Lab File: VF062855.D

Acq: 4 Jun 2019 22:50

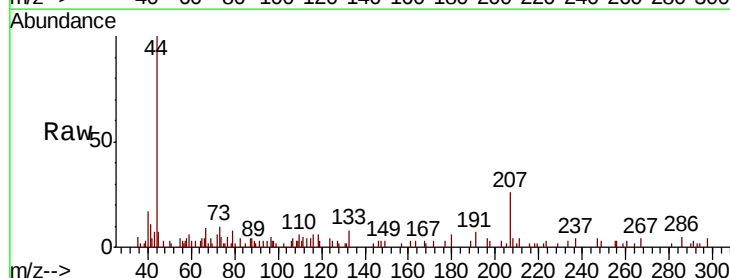
Tgt Ion: 88 Resp: 283

Ion Ratio Lower Upper

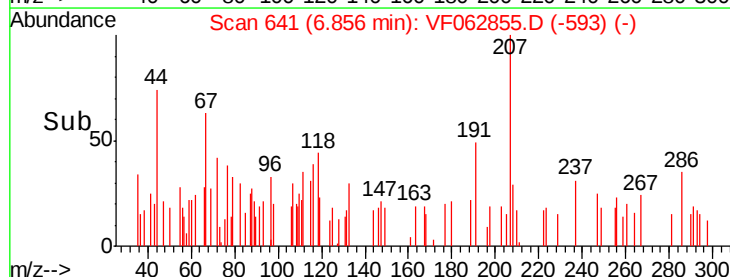
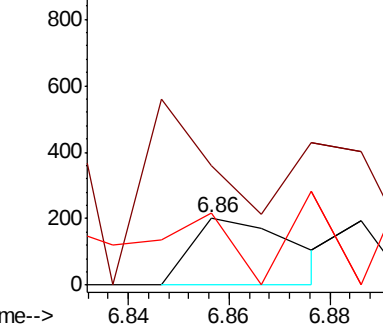
88 100

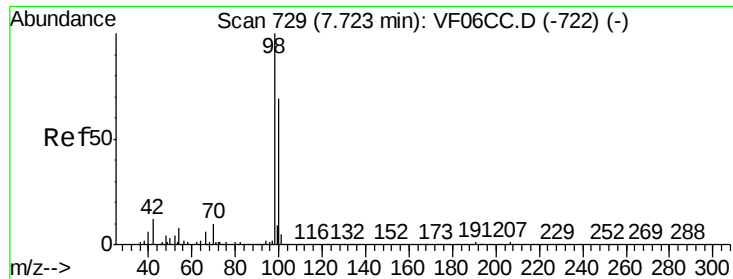
43 178.7 34.8 52.2#

58 106.9 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

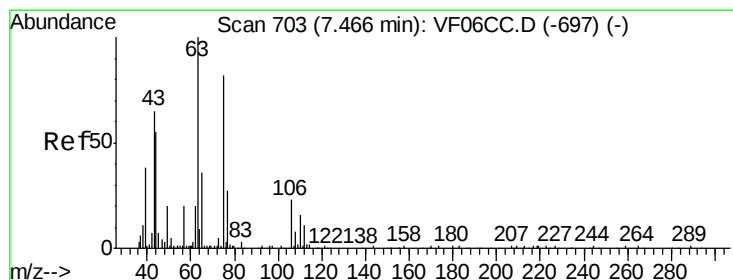
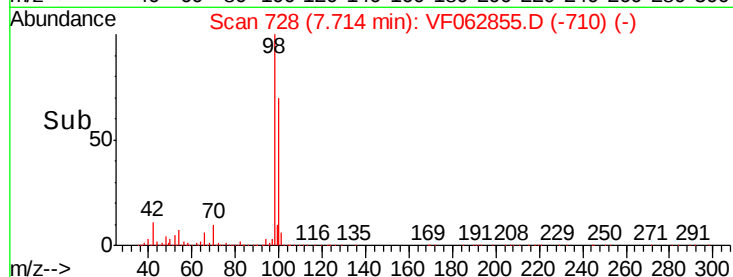
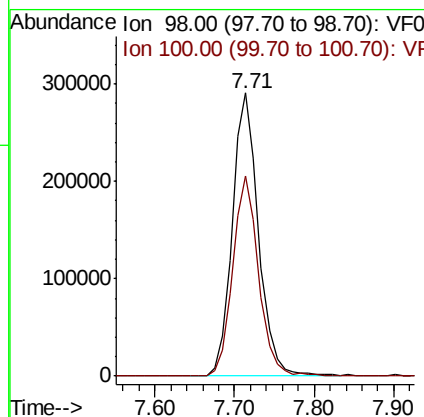
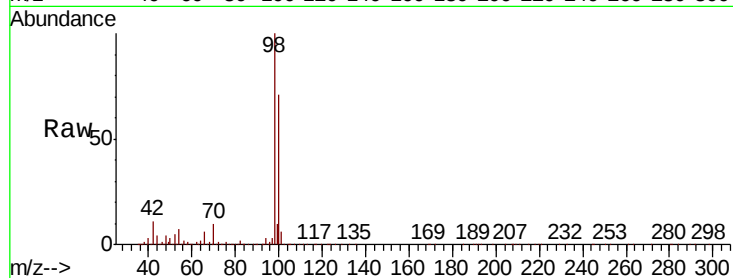




#50
Toluene-d8
Concen: 29.796 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.02 min
Lab File: VF062855.D
Acq: 4 Jun 2019 22:50

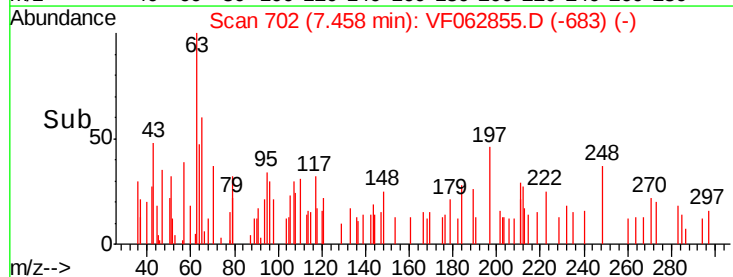
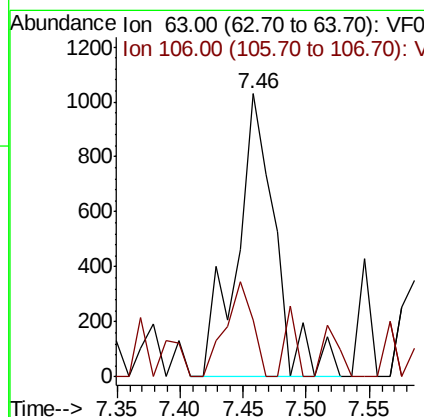
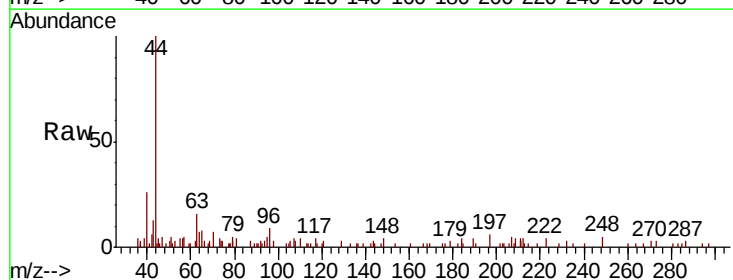
Instrument :
MSVOA_F
ClientSampleId :

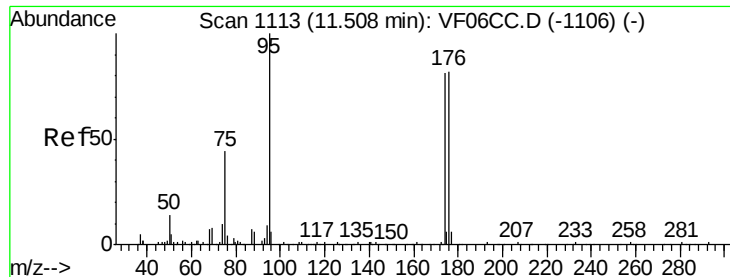
Tot Ion: 98 Resp: 668068
Ion Ratio Lower Upper
98 100
100 70.5 59.8 89.8



#58
2-Chloroethyl Vinyl ether
Concen: 1.152 ug/l
RT: 7.46 min Scan# 702
Delta R.T. -0.01 min
Lab File: VF062855.D
Acq: 4 Jun 2019 22:50

Tgt Ion: 63 Resp: 2186
Ion Ratio Lower Upper
63 100
106 20.1 19.5 29.3





#62

4-Bromofluorobenzene

Concen: 33.980 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF062855.D

Acq: 4 Jun 2019 22:50

Instrument :

MSVOA_F

ClientSampleId :

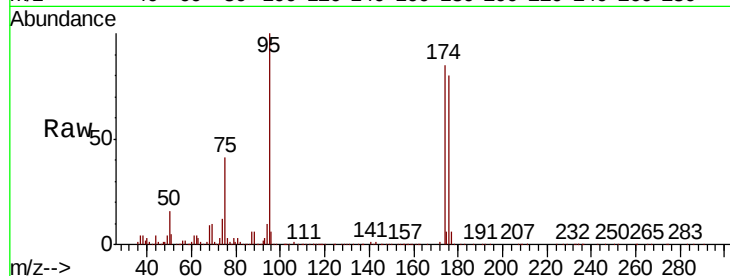
Tot Ion: 95 Resp: 274057

Ion Ratio Lower Upper

95 100

174 85.1 0.0 170.6

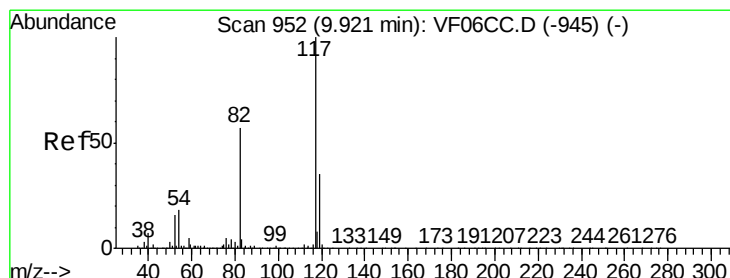
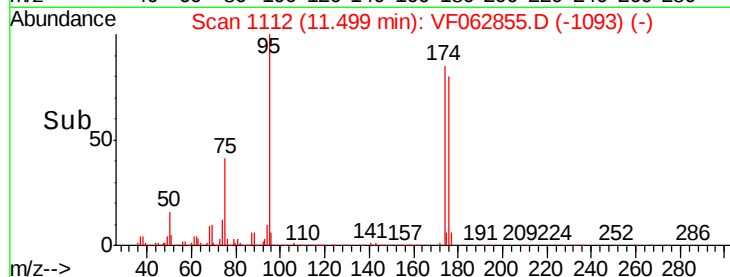
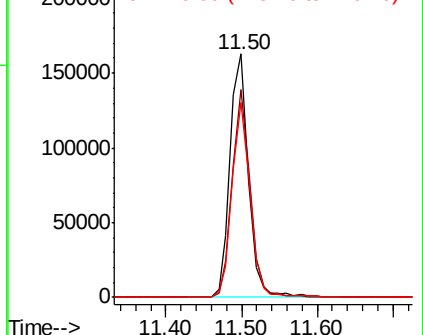
176 79.9 0.0 170.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 951

Delta R.T. -0.02 min

Lab File: VF062855.D

Acq: 4 Jun 2019 22:50

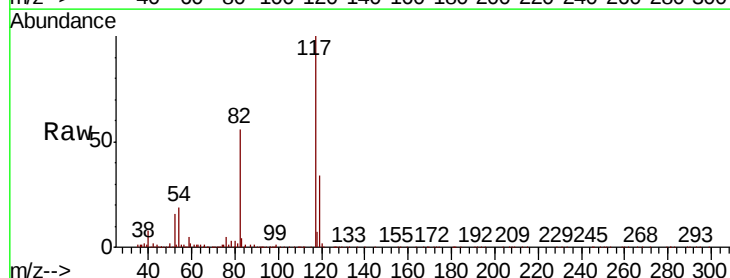
Tgt Ion: 117 Resp: 753515

Ion Ratio Lower Upper

117 100

82 55.8 42.4 63.6

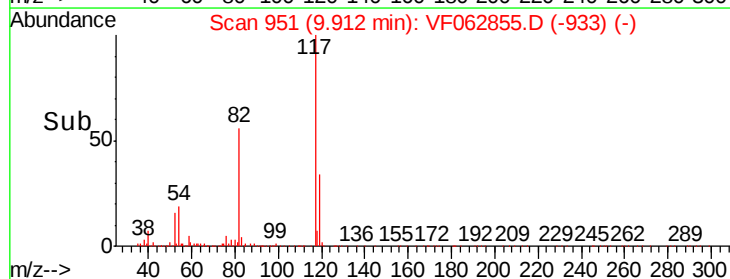
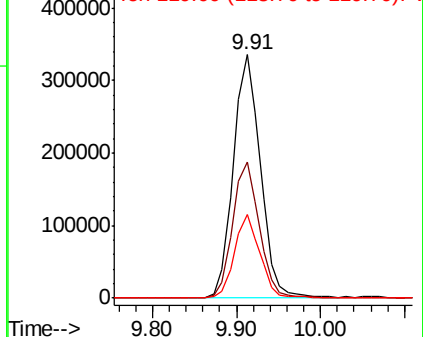
119 34.3 27.1 40.7

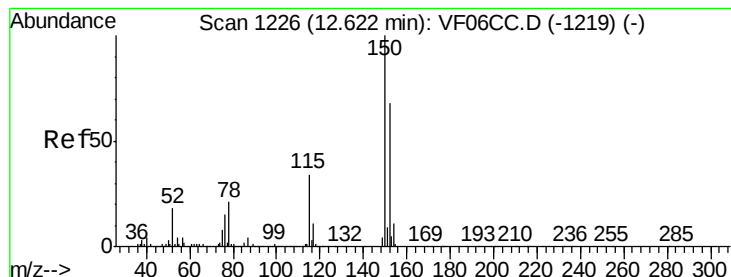


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.01 min

Lab File: VF062855.D

Acq: 4 Jun 2019 22:50

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:152 Resp: 297934

Ion Ratio Lower Upper

152 100

115 54.6 24.6 74.0

150 146.9 0.0 290.6

