

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060619\
 Data File : VF062881.D
 Acq On : 6 Jun 2019 14:31
 Operator : FY/SY
 Sample : K3153-03
 Misc : 6.11g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 HR-05-060519-B

Quant Time: Jun 07 01:24:27 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	5.08	168	651058	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1150997	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	865495	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	323356	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	196921	43.74	ug/l	0.00
Spiked Amount			Recovery	=	87.48%	
35) Dibromofluoromethane	4.33	113	362191	41.64	ug/l	0.00
Spiked Amount			Recovery	=	83.28%	
50) Toluene-d8	7.73	98	735977	33.46	ug/l	0.00
Spiked Amount			Recovery	=	66.92%	
62) 4-Bromofluorobenzene	11.50	95	268932	33.99	ug/l	0.00
Spiked Amount			Recovery	=	67.98%	

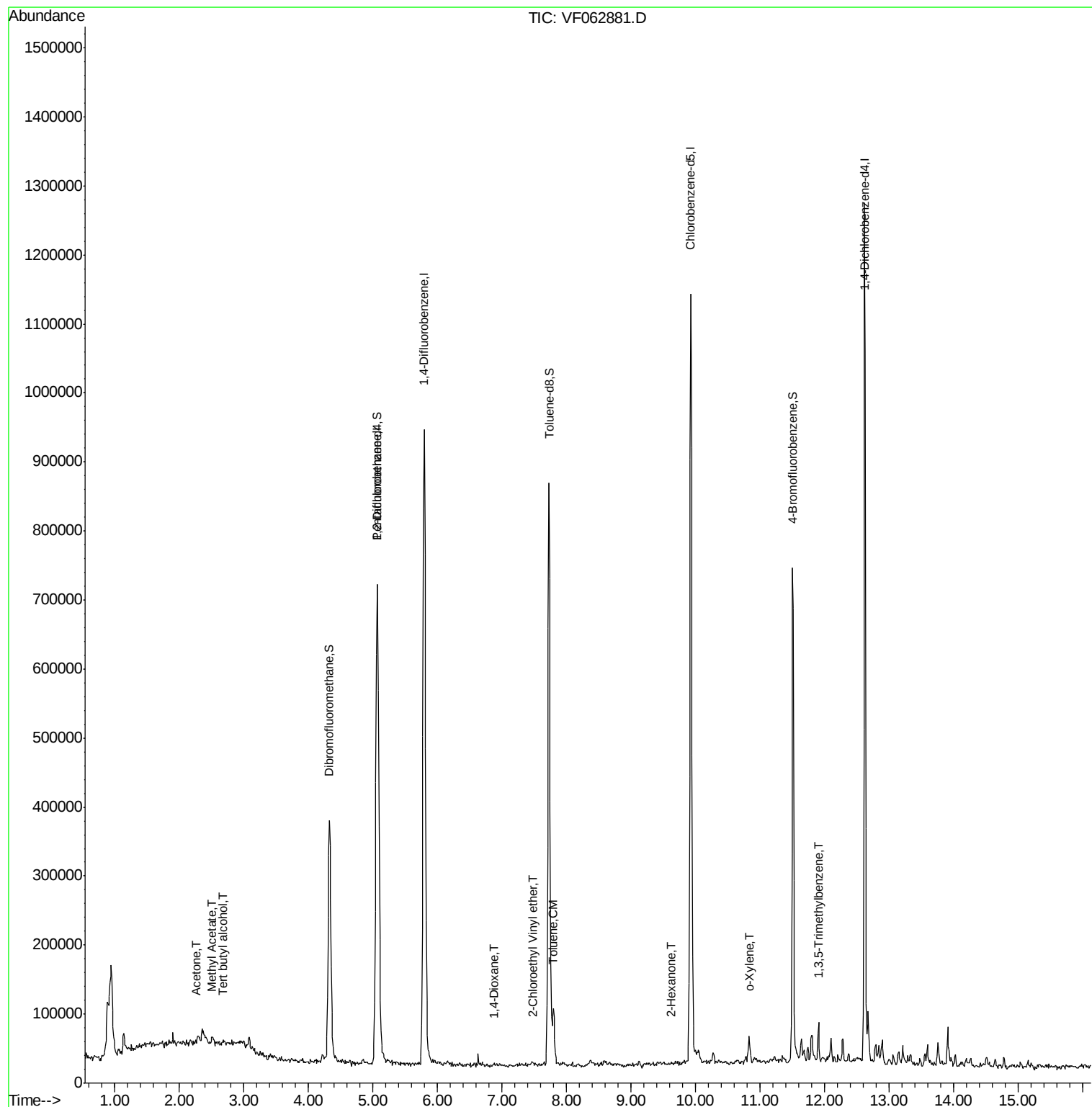
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.92	85	250	Below Cal		91
11) Tert butyl alcohol	2.69	59	1991	7.300 ug/l #		12
13) Acrolein	2.12	56	770	Below Cal		99
16) Acetone	2.26	43	1817	1.763 ug/l		96
18) Methyl Acetate	2.51	43	4338	2.409 ug/l		91
20) Methylene Chloride	2.39	84	13986	Below Cal #		88
49) 1,4-Dioxane	6.87	88	95	2.614 ug/l #		1
52) Toluene	7.80	92	42877	2.581 ug/l		89
58) 2-Chloroethyl Vinyl ether	7.47	63	2193	1.179 ug/l #		83
59) 2-Hexanone	9.63	43	3938	1.446 ug/l		71
69) o-Xylene	10.82	106	12739	1.146 ug/l		95
80) 1,3,5-Trimethylbenzene	11.91	105	26484	1.435 ug/l		88

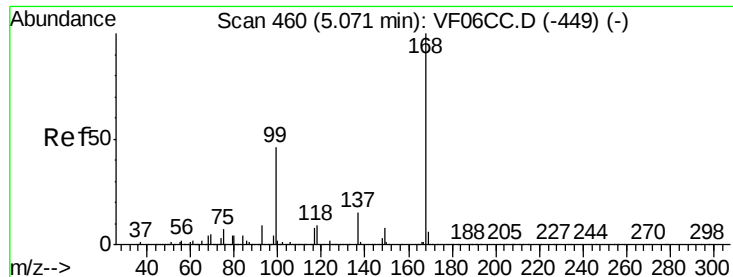
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF060619\
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. 0.00 min

Lab File: VF062881.D

Acq: 6 Jun 2019 14:31

Instrument :

MSVOA_F

ClientSampleId :

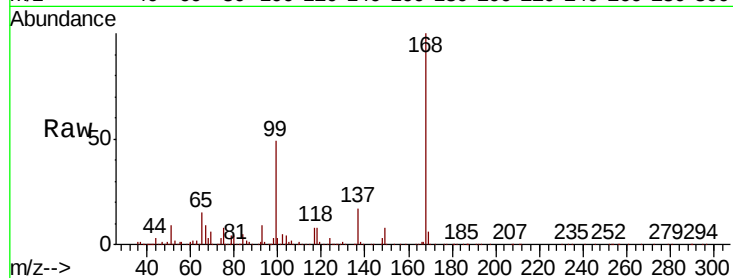
HR-05-060519-B

Tot Ion:168 Resp: 651058

Ion Ratio Lower Upper

168 100

99 48.6 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.08

200000

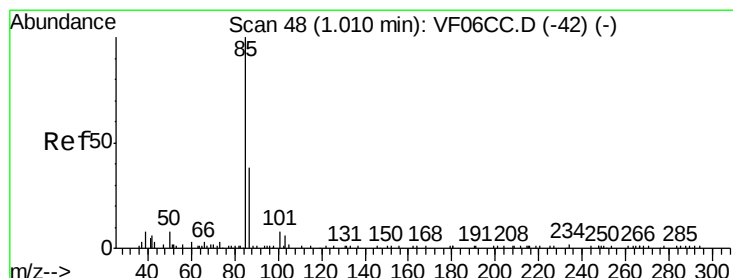
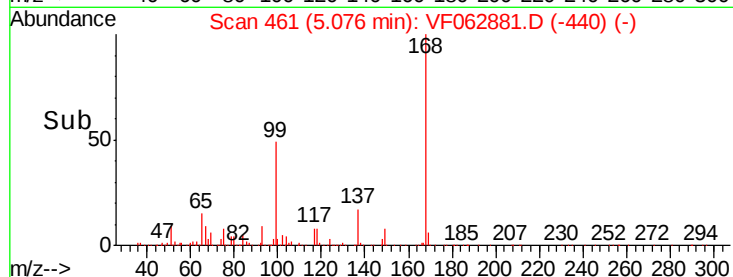
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.92 min Scan# 39

Delta R.T. -0.09 min

Lab File: VF062881.D

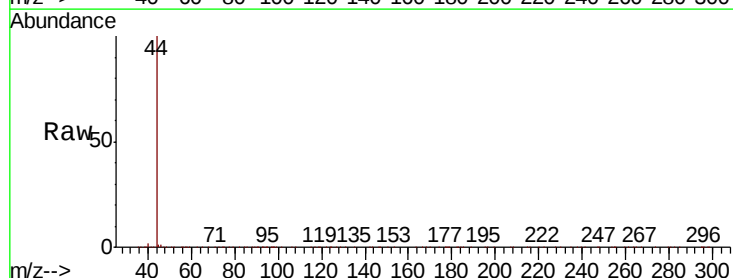
Acq: 6 Jun 2019 14:31

Tgt Ion: 85 Resp: 250

Ion Ratio Lower Upper

85 100

87 40.6 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.92

500

400

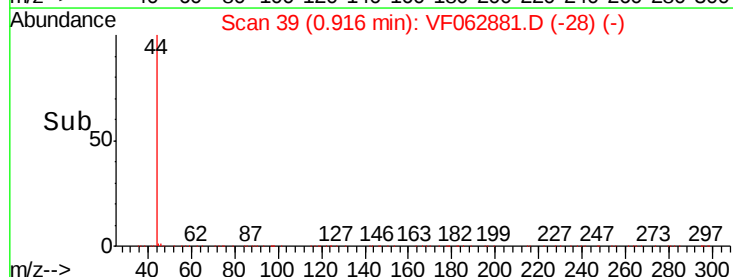
300

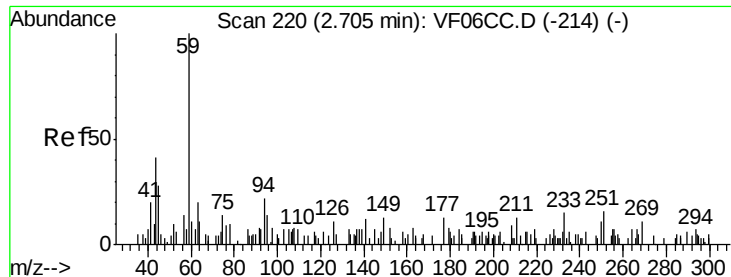
200

100

0

Time-->

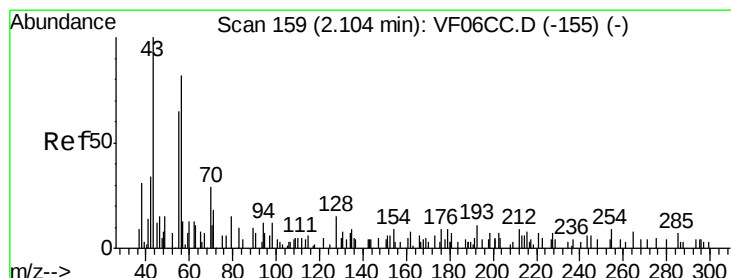
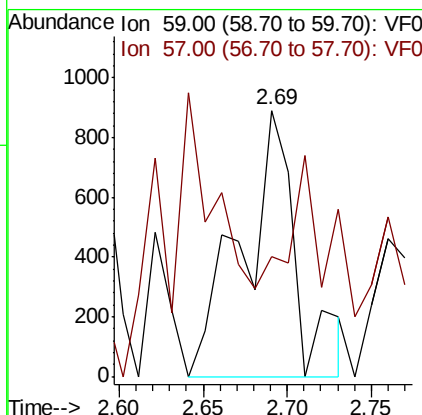
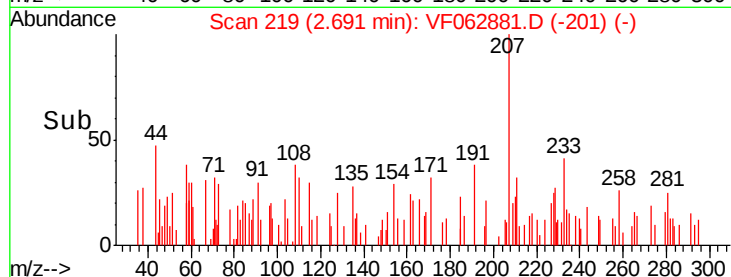
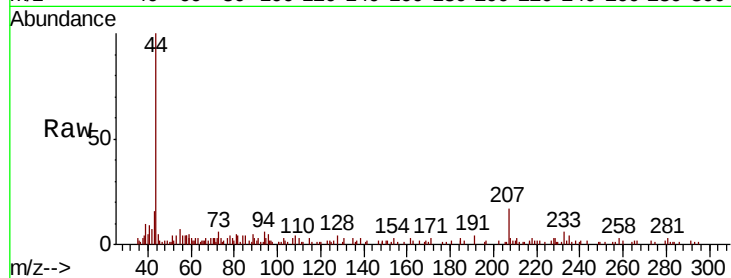




#11
Tert butvl alcohol
Concen: 7.300 ua/l
RT: 2.69 min Scan# 219
Delta R.T. -0.03 min
Lab File: VF062881.D
Acq: 6 Jun 2019 14:31

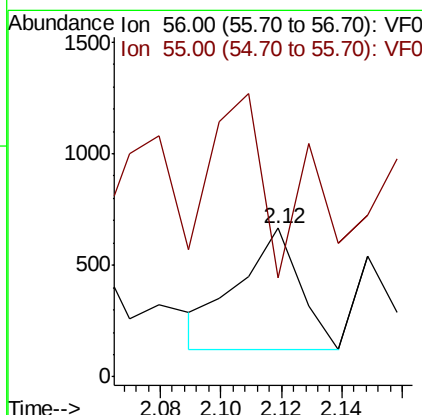
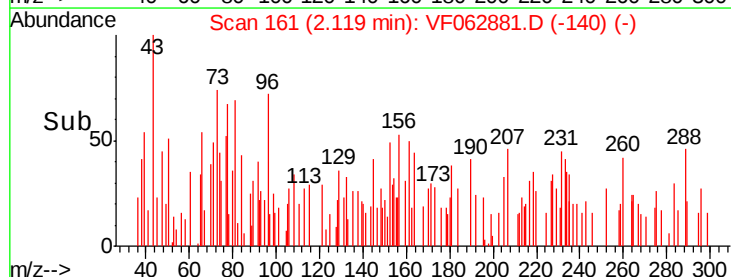
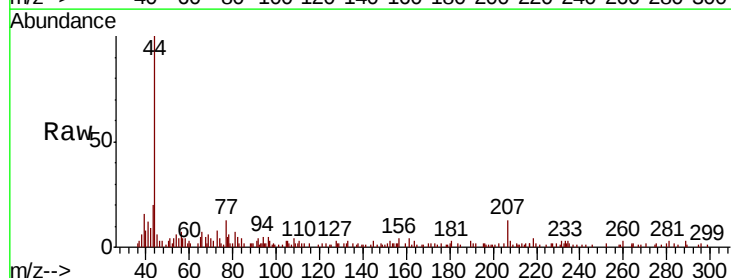
Instrument :
MSVOA_F
ClientSampleId :
HR-05-060519-B

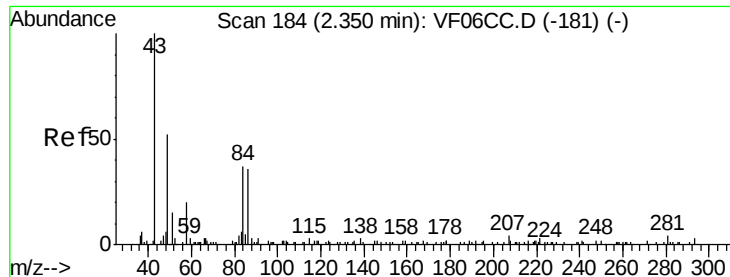
Tot Ion: 59 Resp: 1991
Ion Ratio Lower Upper
59 100
57 45.2 9.2 13.8#



#13
Acrolein
Concen: Below Cal
RT: 2.12 min Scan# 161
Delta R.T. 0.00 min
Lab File: VF062881.D
Acq: 6 Jun 2019 14:31

Tgt Ion: 56 Resp: 770
Ion Ratio Lower Upper
56 100
55 67.1 52.9 79.3





#16

Acetone

Concen: 1.763 ug/l

RT: 2.26 min Scan# 175

Delta R.T. -0.11 min

Lab File: VF062881.D

Acq: 6 Jun 2019 14:31

Instrument :

MSVOA_F

ClientSampleId :

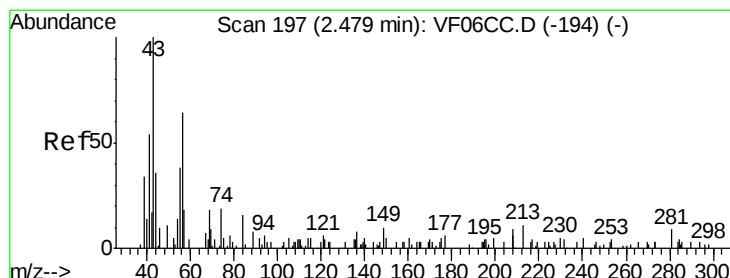
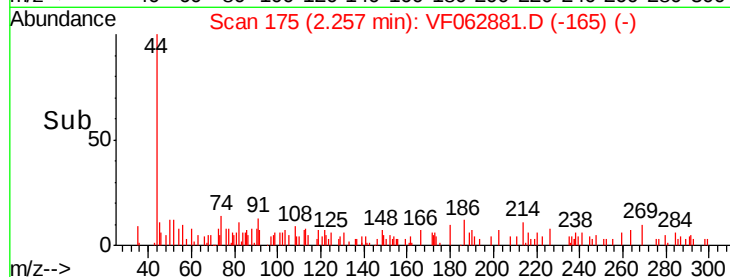
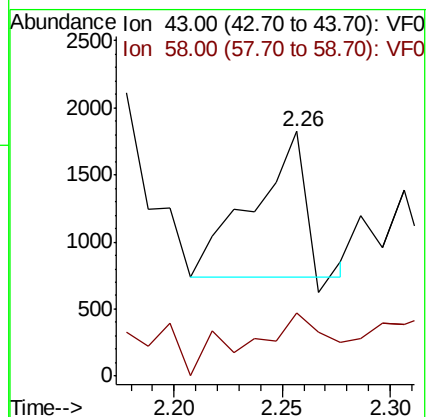
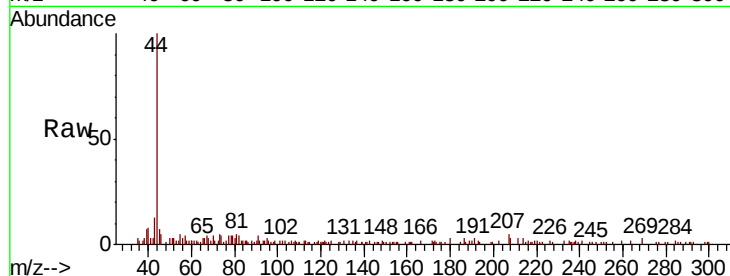
HR-05-060519-B

Tot Ion: 43 Resp: 1817

Ion Ratio Lower Upper

43 100

58 25.8 19.0 28.4



#18

Methyl Acetate

Concen: 2.409 ug/l

RT: 2.51 min Scan# 201

Delta R.T. 0.03 min

Lab File: VF062881.D

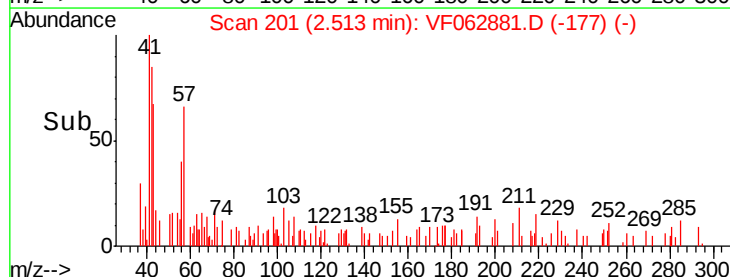
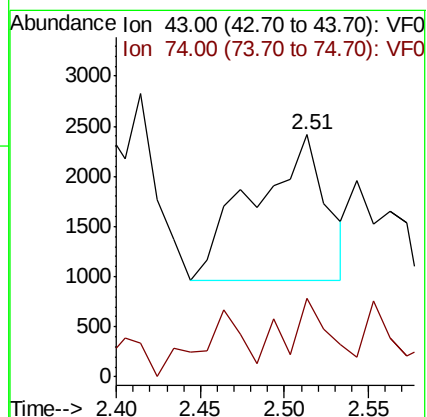
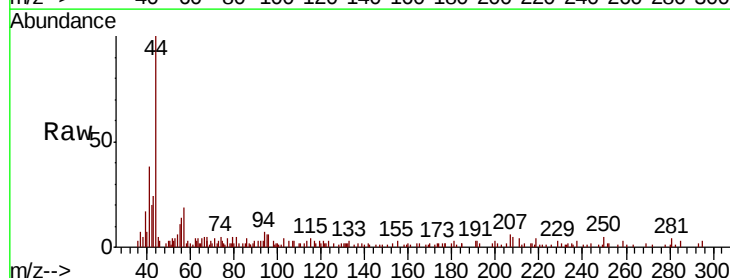
Acq: 6 Jun 2019 14:31

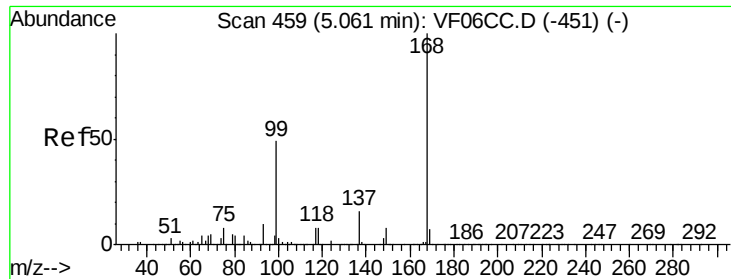
Tgt Ion: 43 Resp: 4338

Ion Ratio Lower Upper

43 100

74 32.6 22.1 33.1





#33

1,2-Dichloroethane-d4

Concen: 43.740 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.00 min

Lab File: VF062881.D

Acq: 6 Jun 2019 14:31

Instrument :

MSVOA_F

ClientSampleId :

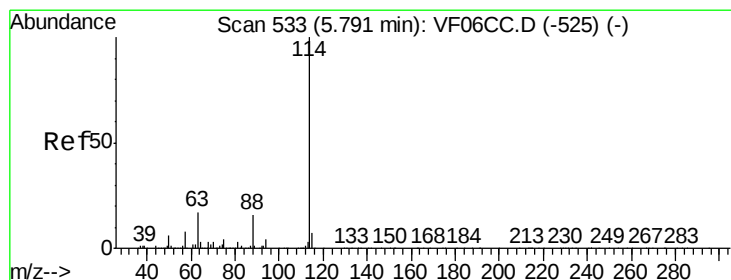
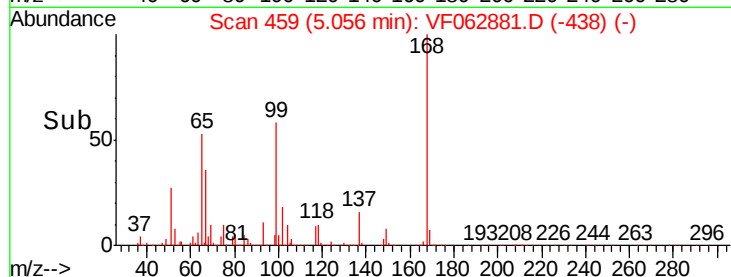
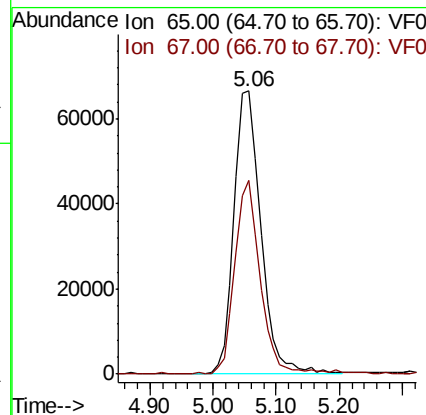
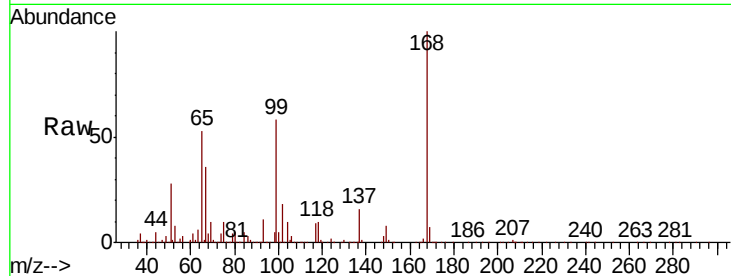
HR-05-060519-B

Tot Ion: 65 Resp: 196921

Ion Ratio Lower Upper

65 100

67 68.6 0.0 121.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.80 min Scan# 534

Delta R.T. -0.01 min

Lab File: VF062881.D

Acq: 6 Jun 2019 14:31

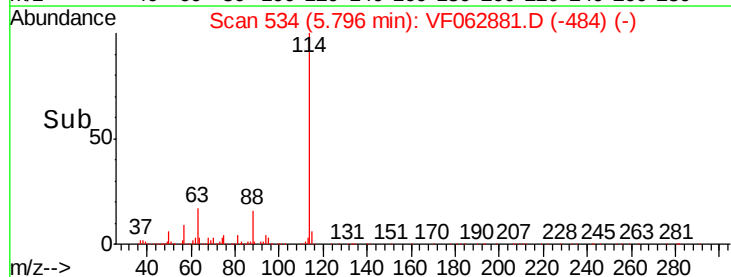
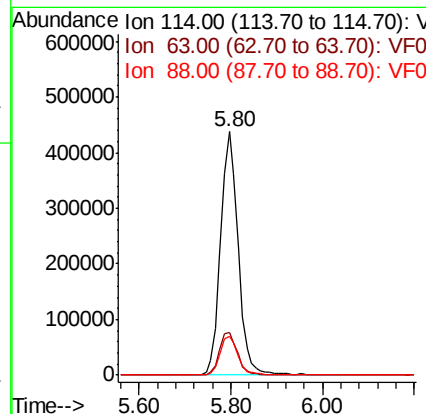
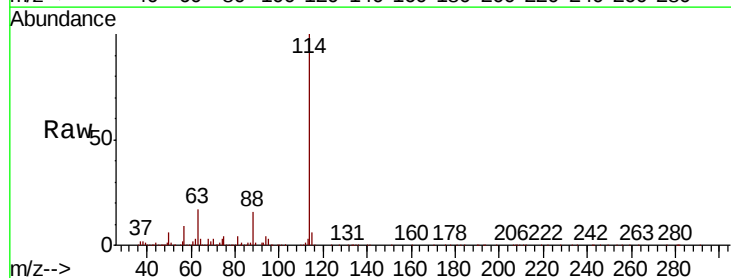
Tgt Ion:114 Resp: 1150997

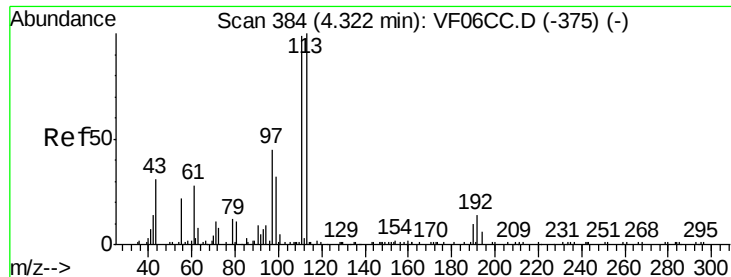
Ion Ratio Lower Upper

114 100

63 17.5 0.0 34.2

88 16.0 0.0 31.2





#35

Dibromofluoromethane

Concen: 41.643 ug/l

RT: 4.33 min Scan# 385

Delta R.T. -0.01 min

Lab File: VF062881.D

Acq: 6 Jun 2019 14:31

Instrument :

MSVOA_F

ClientSampleId :

HR-05-060519-B

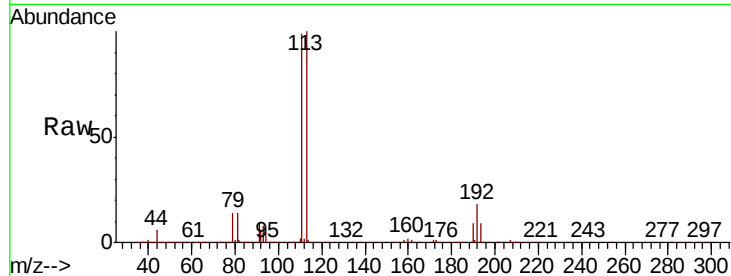
Tot Ion:113 Resp: 362191

Ion Ratio Lower Upper

113 100

111 98.7 81.9 122.9

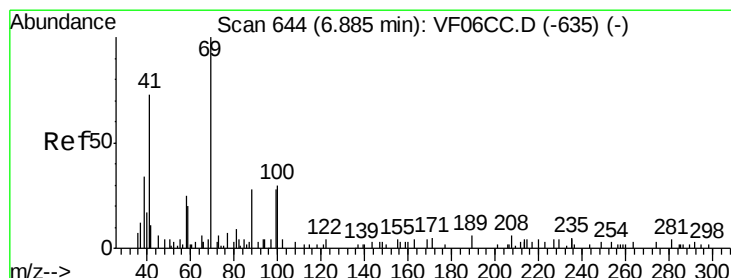
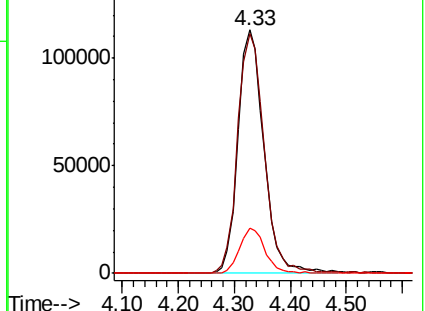
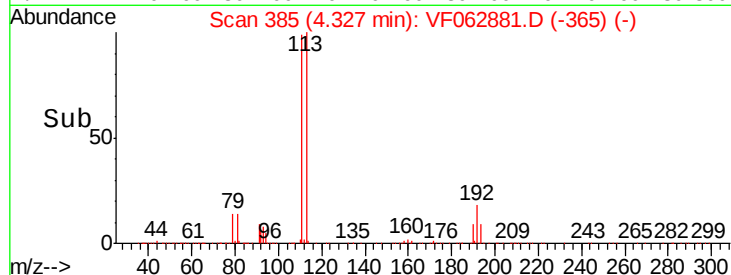
192 18.4 15.1 22.7



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: 2.614 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.02 min

Lab File: VF062881.D

Acq: 6 Jun 2019 14:31

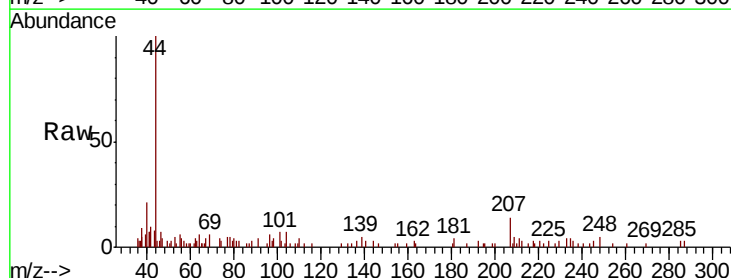
Tgt Ion: 88 Resp: 95

Ion Ratio Lower Upper

88 100

43 260.9 34.8 52.2#

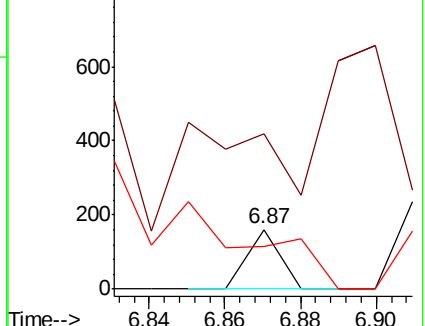
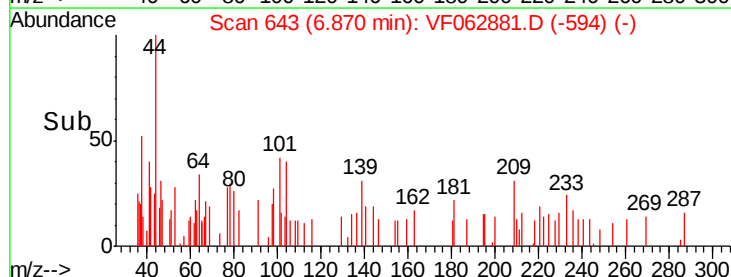
58 71.4 59.9 89.9

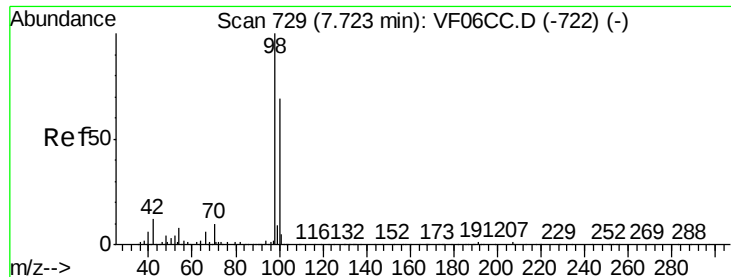


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 33.462 ug/l

RT: 7.73 min Scan# 730

Delta R.T. -0.01 min

Lab File: VF062881.D

Acq: 6 Jun 2019 14:31

Instrument :

MSVOA_F

ClientSampleId :

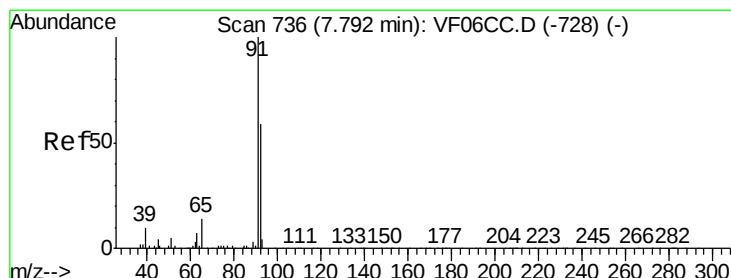
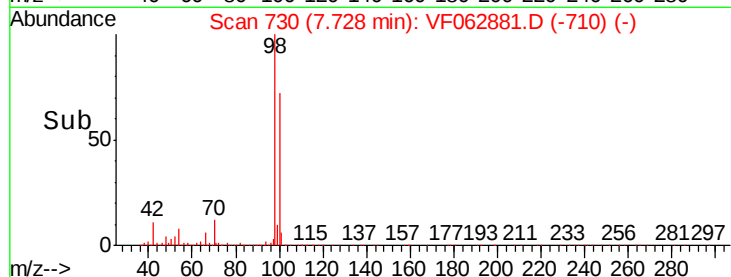
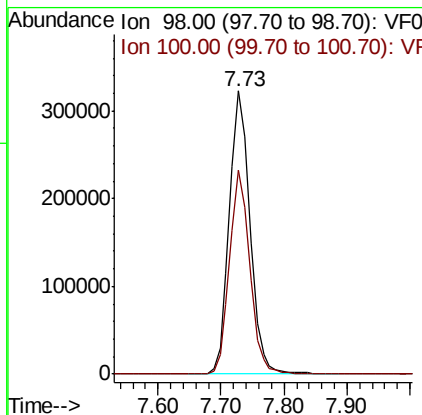
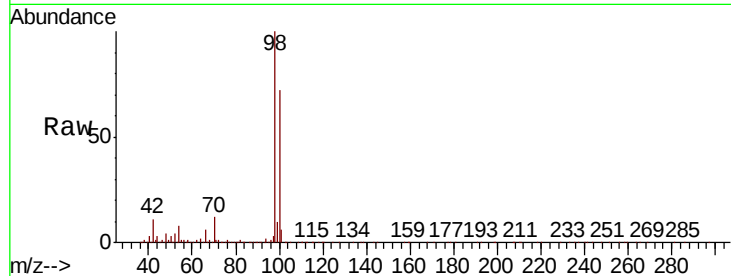
HR-05-060519-B

Tot Ion: 98 Resp: 735977

Ion Ratio Lower Upper

98 100

100 72.0 59.8 89.8



#52

Toluene

Concen: 2.581 ug/l

RT: 7.80 min Scan# 737

Delta R.T. -0.01 min

Lab File: VF062881.D

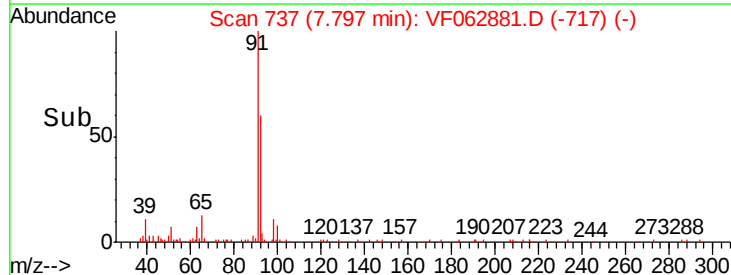
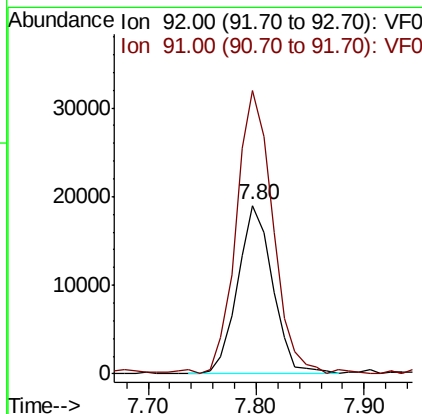
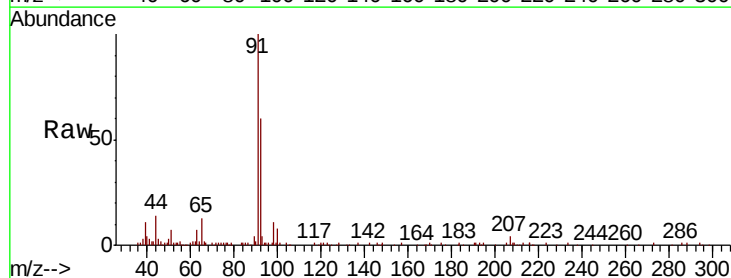
Acq: 6 Jun 2019 14:31

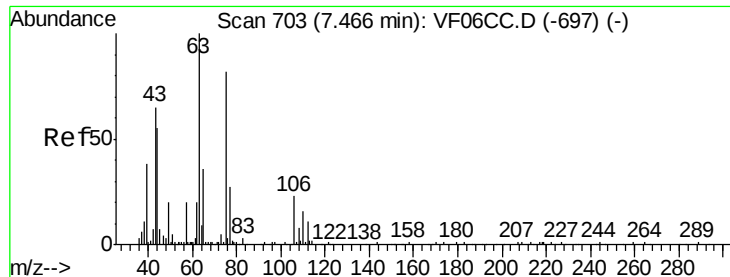
Tgt Ion: 92 Resp: 42877

Ion Ratio Lower Upper

92 100

91 168.0 123.2 184.8





#58

2-Chloroethyl Vinyl ether

Concen: 1.179 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.00 min

Lab File: VF062881.D

Acq: 6 Jun 2019 14:31

Instrument :

MSVOA_F

ClientSampleId :

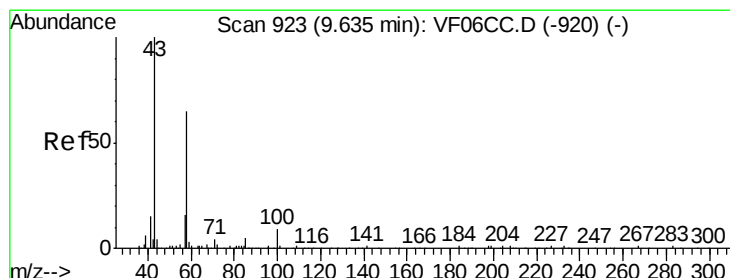
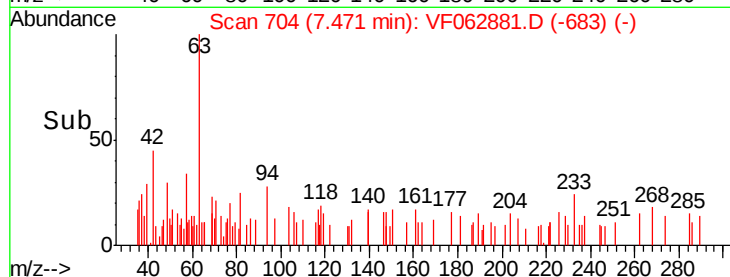
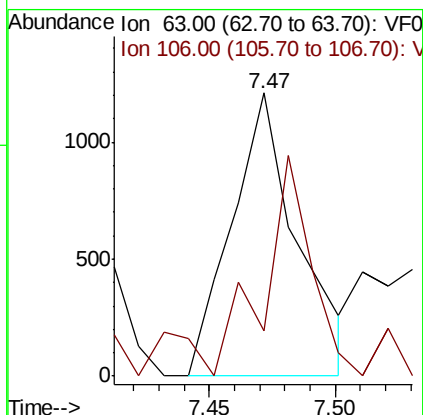
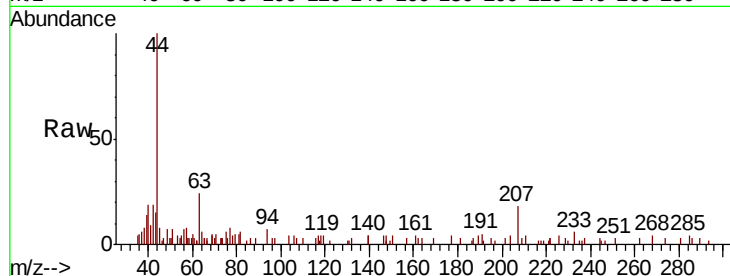
HR-05-060519-B

Tot Ion: 63 Resp: 2193

Ion Ratio Lower Upper

63 100

106 15.9 19.5 29.3#



#59

2-Hexanone

Concen: 1.446 ug/l

RT: 9.63 min Scan# 923

Delta R.T. -0.01 min

Lab File: VF062881.D

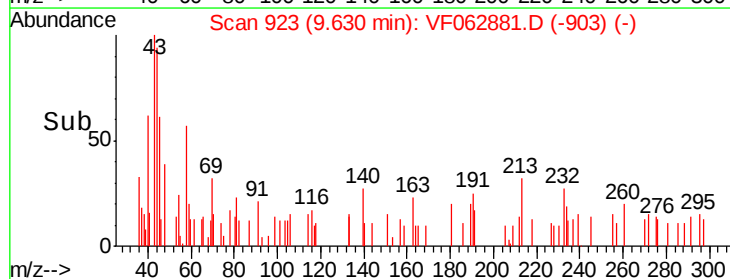
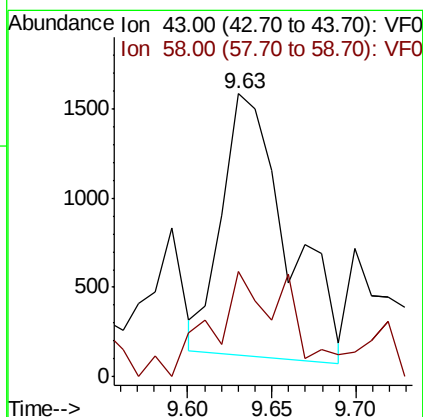
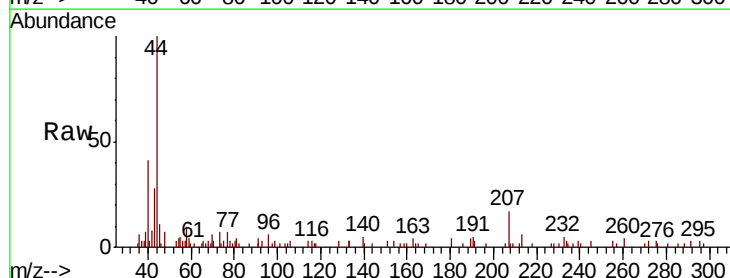
Acq: 6 Jun 2019 14:31

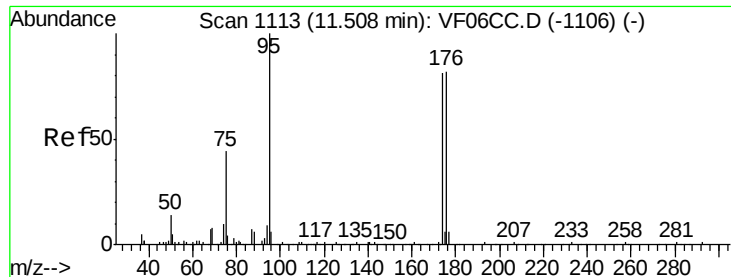
Tgt Ion: 43 Resp: 3938

Ion Ratio Lower Upper

43 100

58 37.1 29.3 87.9





#62

4-Bromofluorobenzene

Concen: 33.992 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF062881.D

Acq: 6 Jun 2019 14:31

Instrument :

MSVOA_F

ClientSampleId :

HR-05-060519-B

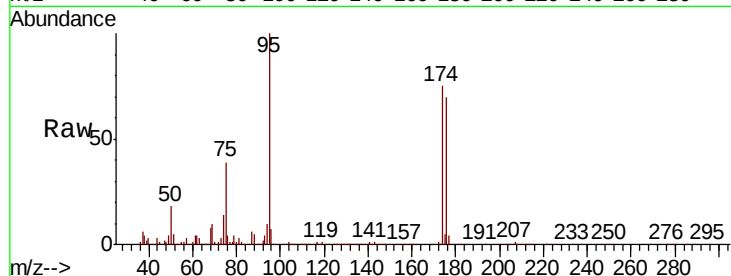
Tot Ion: 95 Resp: 268932

Ion Ratio Lower Upper

95 100

174 75.0 0.0 170.6

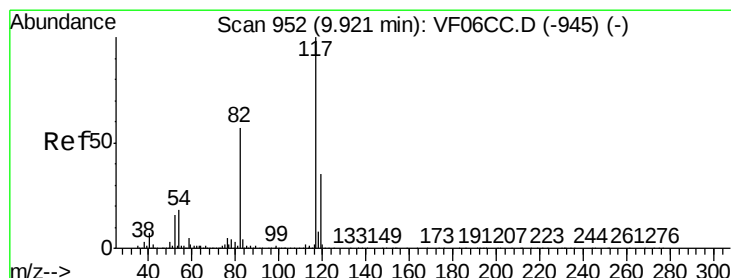
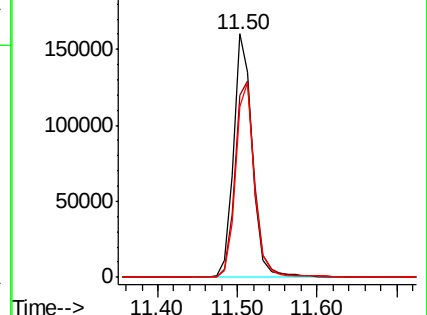
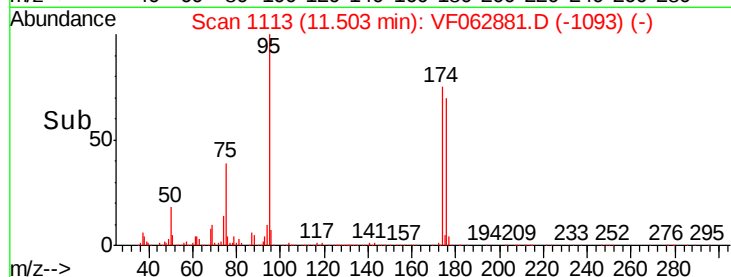
176 70.0 0.0 170.6



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: 9.93 min Scan# 953

Delta R.T. -0.01 min

Lab File: VF062881.D

Acq: 6 Jun 2019 14:31

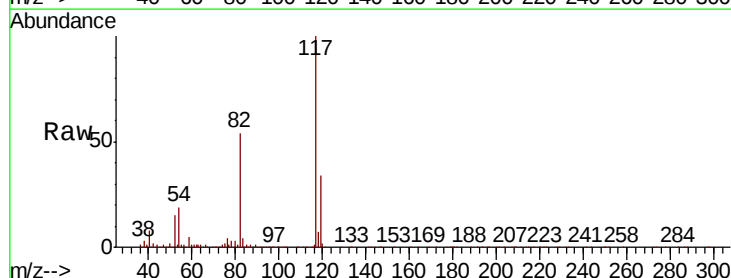
Tgt Ion: 117 Resp: 865495

Ion Ratio Lower Upper

117 100

82 53.7 42.4 63.6

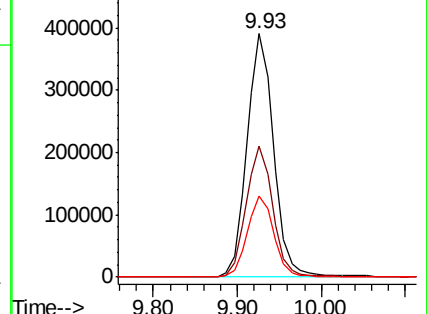
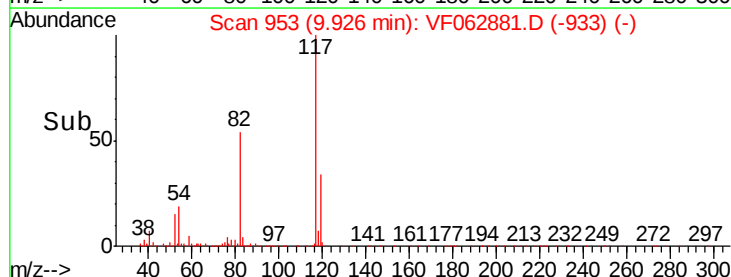
119 33.6 27.1 40.7

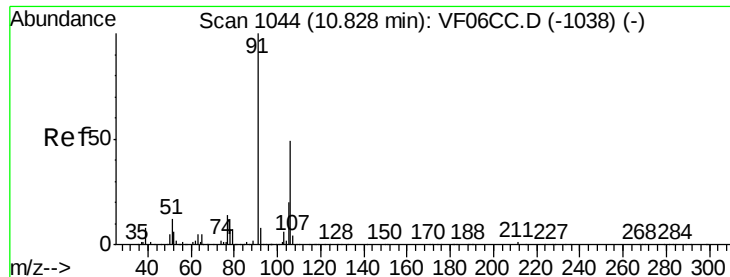


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V

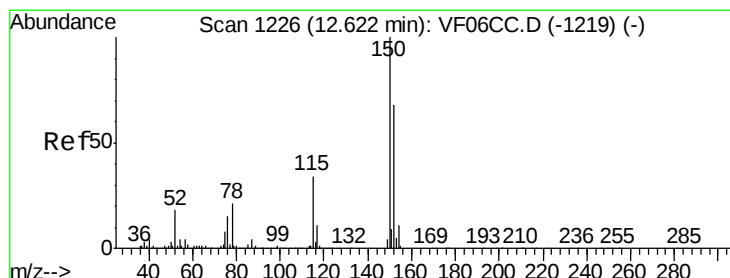
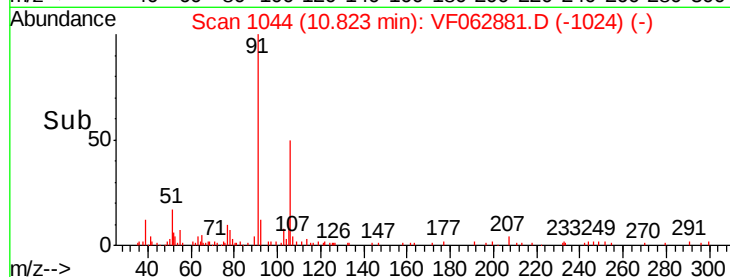
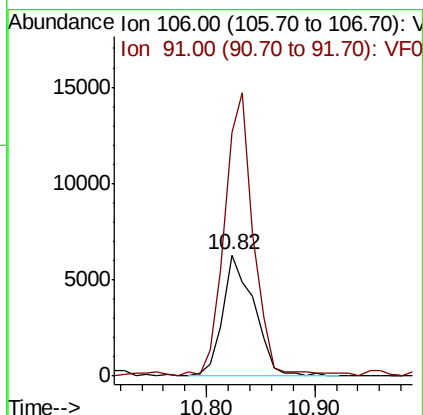
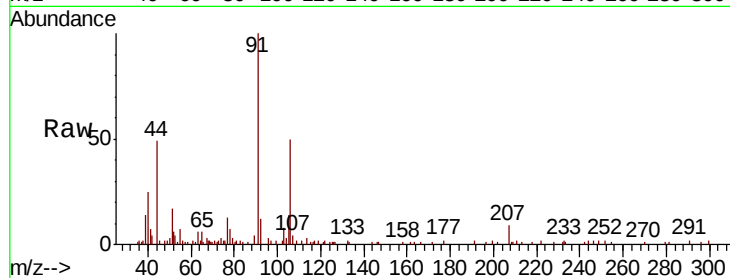




#69
o-Xylene
Concen: 1.146 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF062881.D
Acq: 6 Jun 2019 14:31

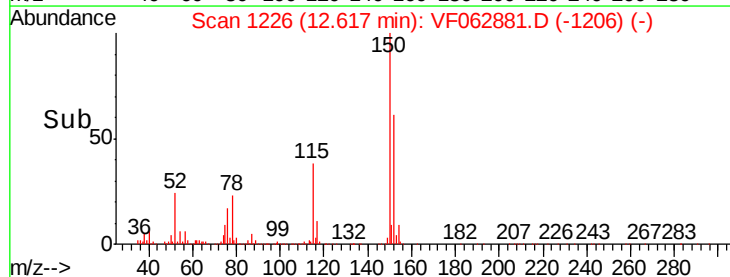
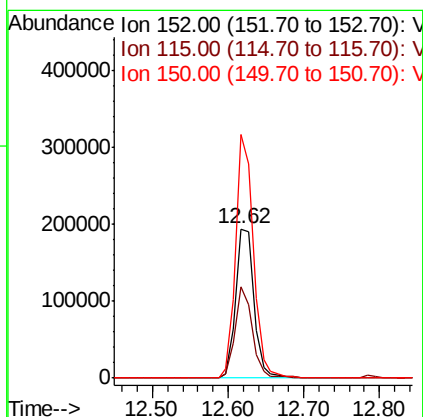
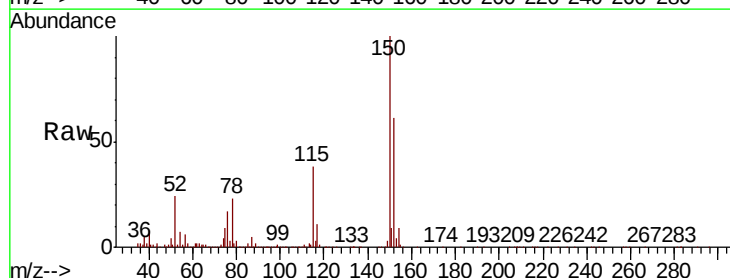
Instrument :
MSVOA_F
ClientSampleId :
HR-05-060519-B

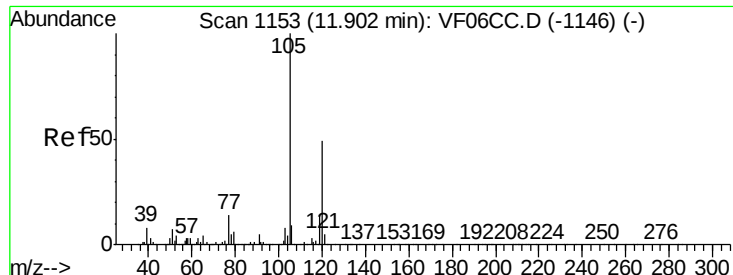
Tot Ion:106 Resp: 12739
Ion Ratio Lower Upper
106 100
91 201.2 96.6 289.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. -0.01 min
Lab File: VF062881.D
Acq: 6 Jun 2019 14:31

Tgt Ion:152 Resp: 323356
Ion Ratio Lower Upper
152 100
115 61.3 24.6 74.0
150 163.3 0.0 290.6





#80

1,3,5-Trimethylbenzene

Concen: 1.435 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VF062881.D

Acq: 6 Jun 2019 14:31

Instrument :

MSVOA_F

ClientSampleId :

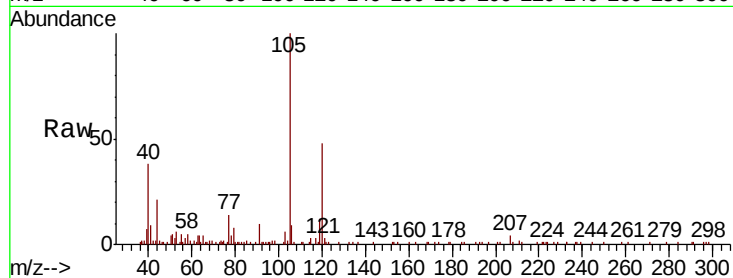
HR-05-060519-B

Tot Ion:105 Resp: 26484

Ion Ratio Lower Upper

105 100

120 48.5 28.7 86.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

