

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060419\
 Data File : VF062850.D
 Acq On : 4 Jun 2019 20:29
 Operator : FY/SY
 Sample : K3186-02
 Misc : 3.79g/5mL/MSVOA F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 05 05:24:42 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	5.05	168	670864	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.77	114	1145140	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.90	117	766737	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.61	152	277309	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	184114	39.69	ug/l	-0.02
Spiked Amount			Recovery	=	79.38%	
35) Dibromofluoromethane	4.30	113	351730	40.65	ug/l	-0.03
Spiked Amount			Recovery	=	81.30%	
50) Toluene-d8	7.70	98	733939	33.54	ug/l	-0.03
Spiked Amount			Recovery	=	67.08%	
62) 4-Bromofluorobenzene	11.49	95	230519	29.29	ug/l	-0.02
Spiked Amount			Recovery	=	58.58%	

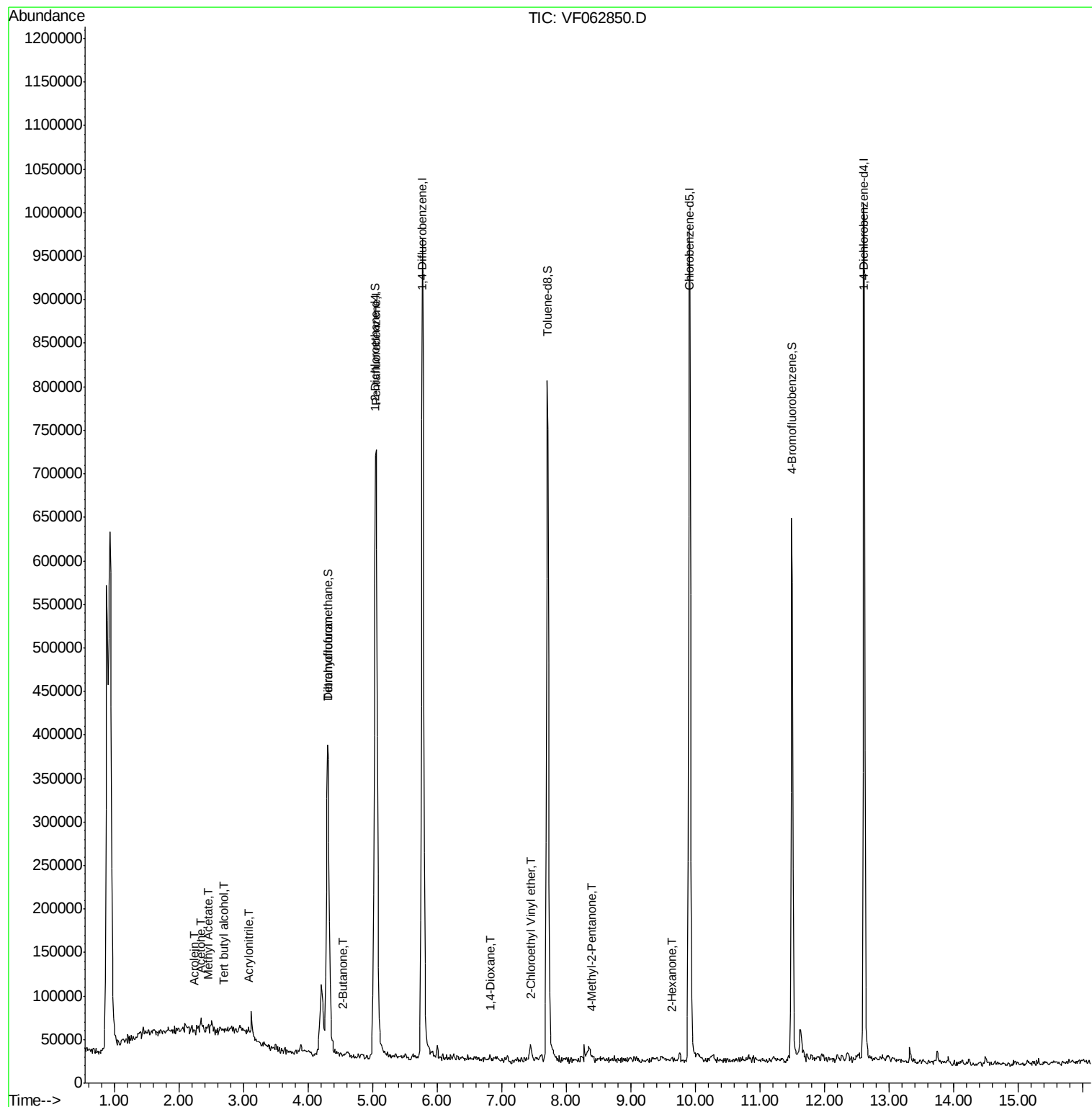
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.93	85	163	Below Cal		88
11) Tert butyl alcohol	2.70	59	581	2.067	ug/l #	24
13) Acrolein	2.22	56	1070	1.394	ug/l	96
15) Acrylonitrile	3.09	53	2861	2.709	ug/l #	43
16) Acetone	2.34	43	7854	7.397	ug/l	91
18) Methyl Acetate	2.46	43	7894	4.254	ug/l #	46
20) Methylene Chloride	2.33	84	7769	Below Cal		84
25) 2-Butanone	4.54	43	5823	2.355	ug/l	97
29) Tetrahydrofuran	4.29	42	3513	3.715	ug/l #	54
49) 1,4-Dioxane	6.82	88	670	18.527	ug/l #	1
51) 4-Methyl-2-Pentanone	8.40	43	6079	1.599	ug/l #	74
58) 2-Chloroethyl Vinyl ether	7.44	63	11661	6.299	ug/l #	82
59) 2-Hexanone	9.63	43	3933	1.452	ug/l	83

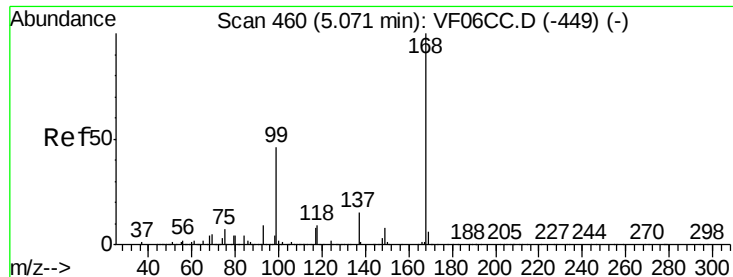
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF060419\
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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: 5.05 min Scan# 458

Delta R.T. -0.02 min

Lab File: VF062850.D

Acq: 4 Jun 2019 20:29

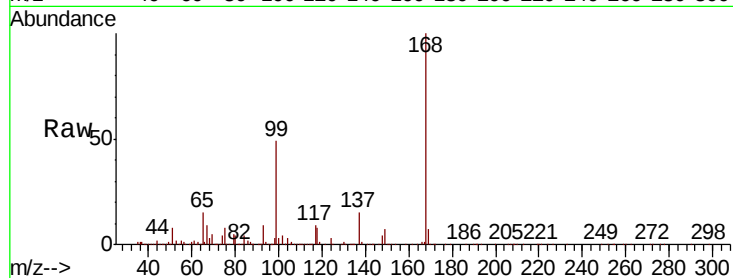
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 670864

Ion Ratio Lower Upper

168 100

99 49.1 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

250000

200000

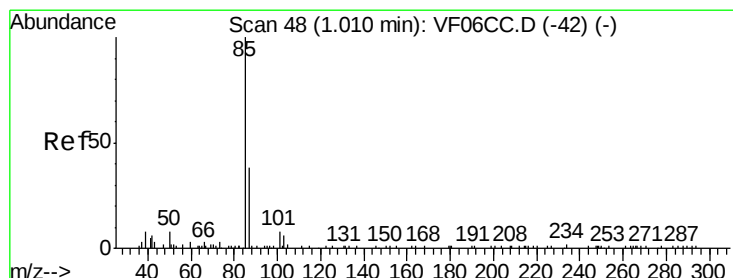
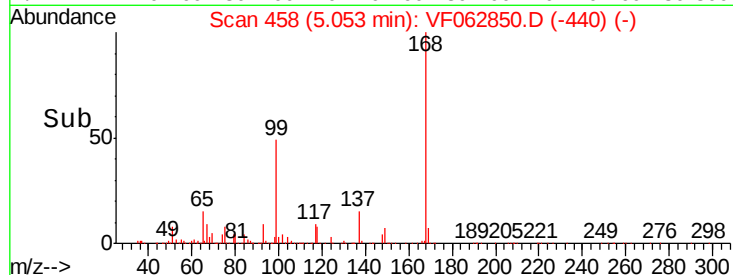
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.93 min Scan# 40

Delta R.T. -0.08 min

Lab File: VF062850.D

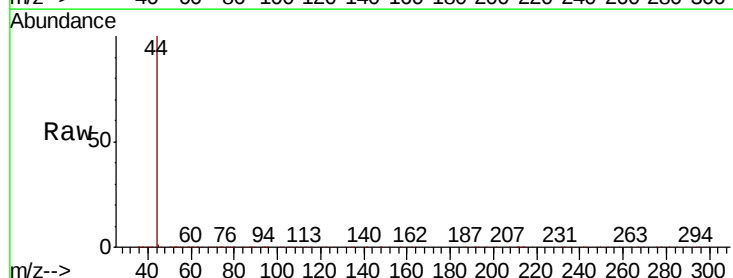
Acq: 4 Jun 2019 20:29

Tgt Ion: 85 Resp: 163

Ion Ratio Lower Upper

85 100

87 42.2 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.93

300

250

200

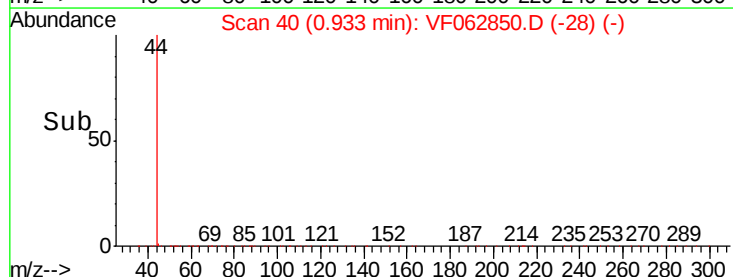
150

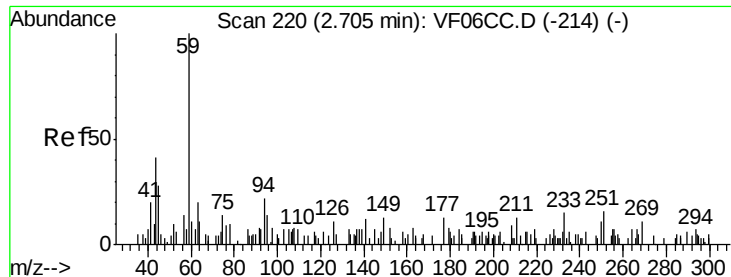
100

50

0

Time-->

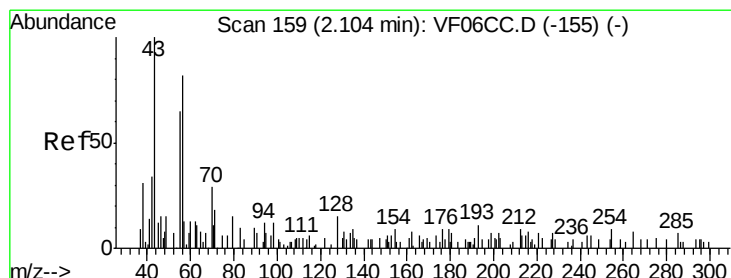
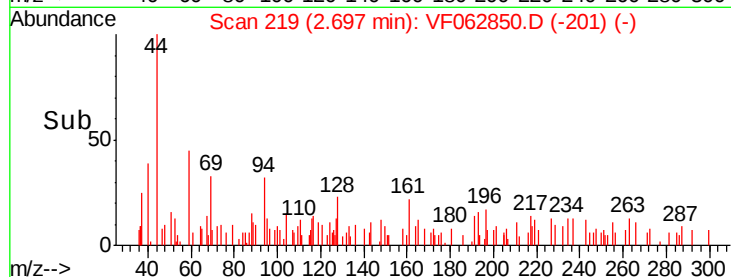
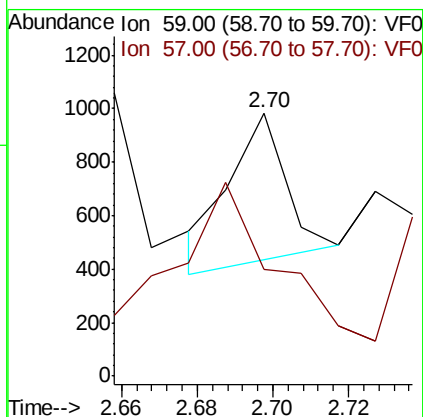
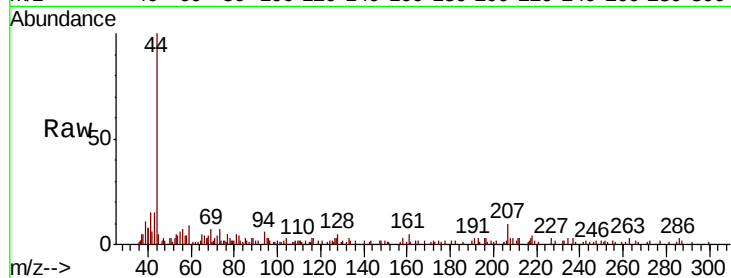




#11
Tert butvl alcohol
Concen: 2.067 ug/l
RT: 2.70 min Scan# 219
Delta R.T. -0.02 min
Lab File: VF062850.D
Acq: 4 Jun 2019 20:29

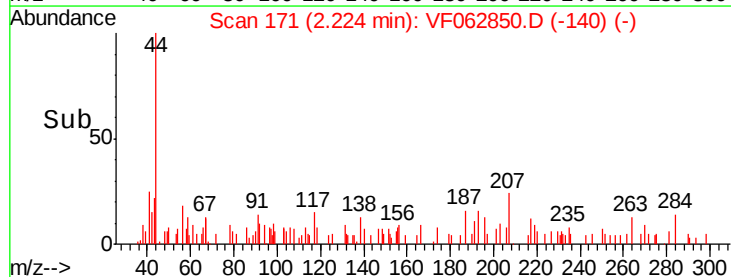
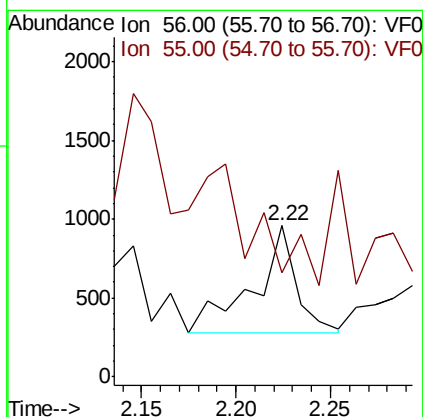
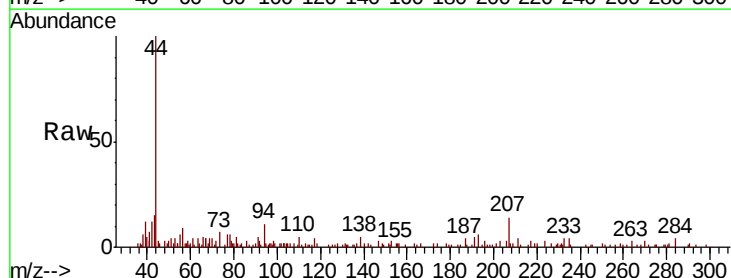
Instrument :
MSVOA_F
ClientSampled :

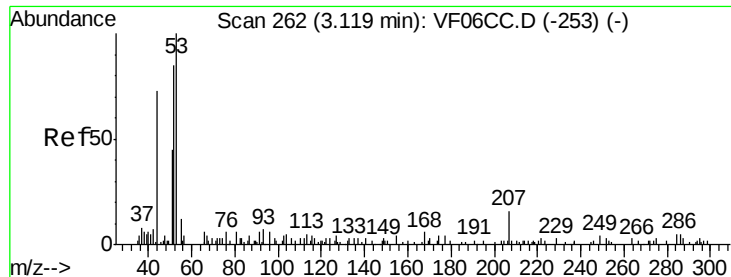
Tot Ion: 59 Resp: 581
Ion Ratio Lower Upper
59 100
57 40.5 9.2 13.8#



#13
Acrolein
Concen: 1.394 ug/l
RT: 2.22 min Scan# 171
Delta R.T. 0.11 min
Lab File: VF062850.D
Acq: 4 Jun 2019 20:29

Tgt Ion: 56 Resp: 1070
Ion Ratio Lower Upper
56 100
55 69.0 52.9 79.3





#15

Acrylonitrile

Concen: 2.709 ug/l

RT: 3.09 min Scan# 259

Delta R.T. -0.02 min

Lab File: VF062850.D

Acq: 4 Jun 2019 20:29

Instrument :
MSVOA_F
ClientSampleId :

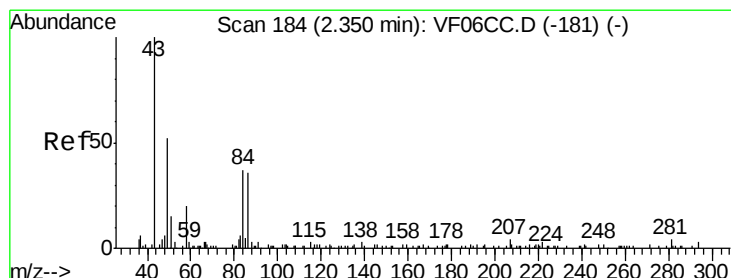
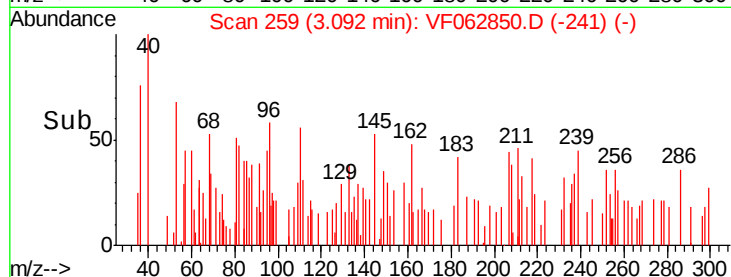
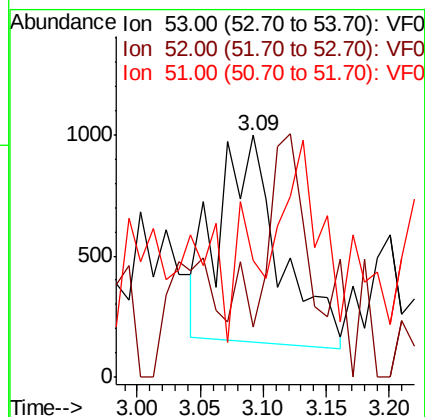
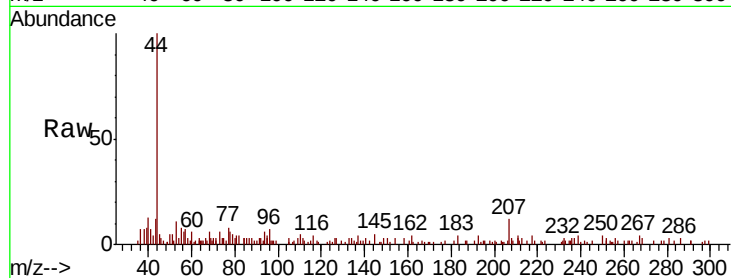
Tot Ion: 53 Resp: 2861

Ion Ratio Lower Upper

53 100

52 20.7 68.1 102.1#

51 48.2 27.7 41.5#



#16

Acetone

Concen: 7.397 ug/l

RT: 2.34 min Scan# 183

Delta R.T. -0.02 min

Lab File: VF062850.D

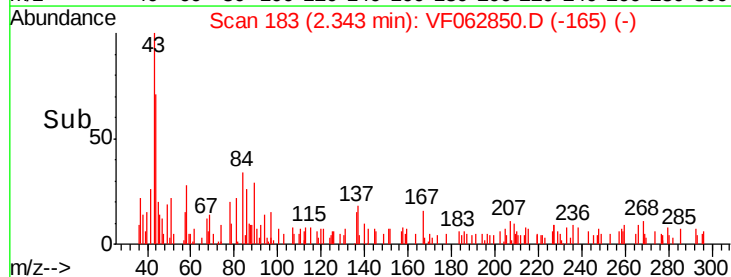
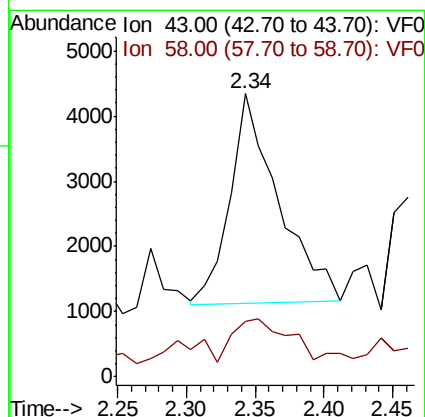
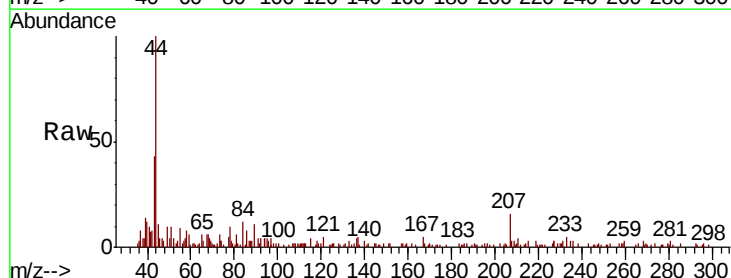
Acq: 4 Jun 2019 20:29

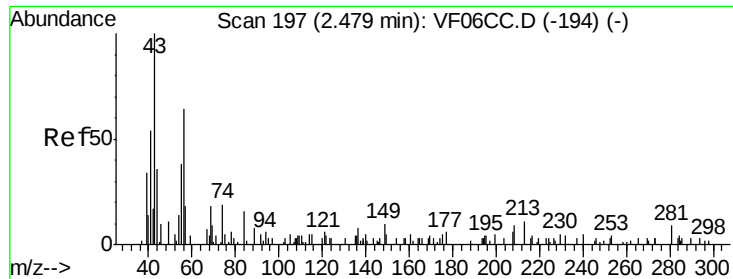
Tgt Ion: 43 Resp: 7854

Ion Ratio Lower Upper

43 100

58 19.5 19.0 28.4

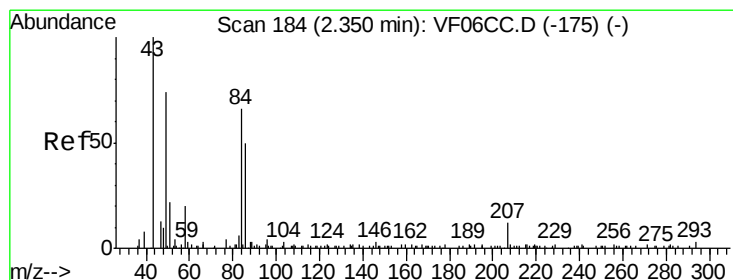
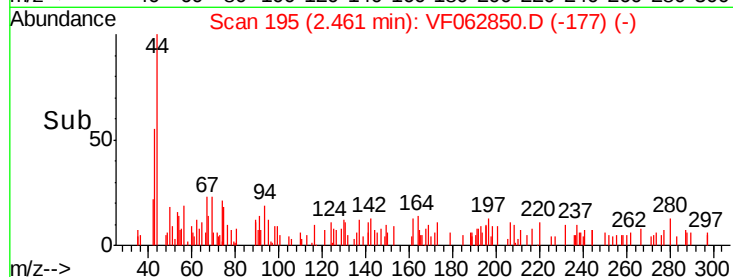
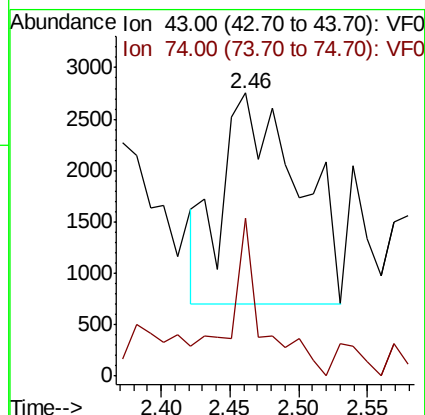
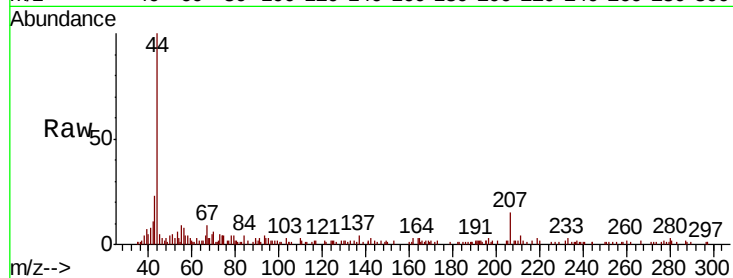




#18
Methyl Acetate
Concen: 4.254 ug/l
RT: 2.46 min Scan# 195
Delta R.T. -0.02 min
Lab File: VF062850.D
Acq: 4 Jun 2019 20:29

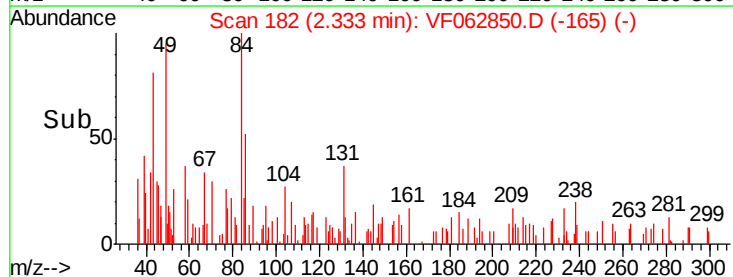
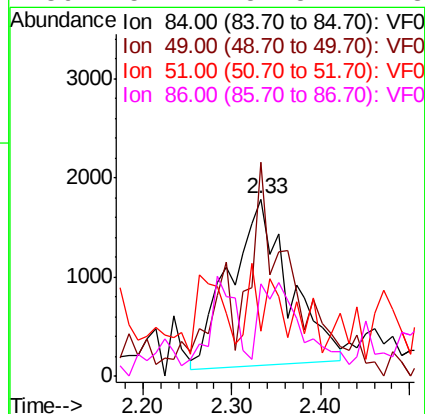
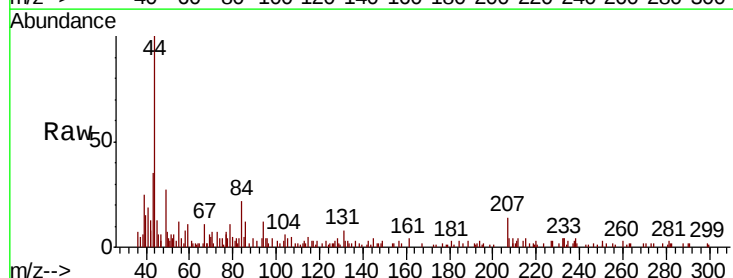
Instrument :
MSVOA_F
ClientSampleId :

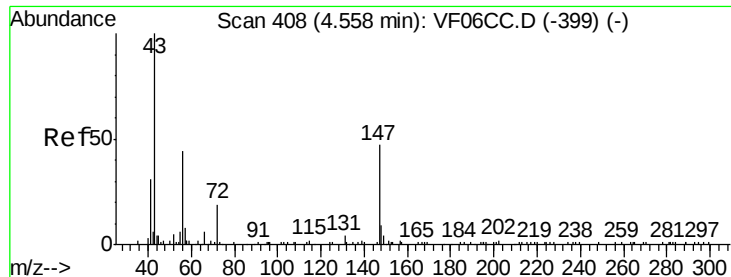
Tot Ion: 43 Resp: 7894
Ion Ratio Lower Upper
43 100
74 55.9 22.1 33.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.33 min Scan# 182
Delta R.T. -0.03 min
Lab File: VF062850.D
Acq: 4 Jun 2019 20:29

Tgt Ion: 84 Resp: 7769
Ion Ratio Lower Upper
84 100
49 120.6 82.6 123.8
51 25.1 25.0 37.4
86 52.1 51.5 77.3

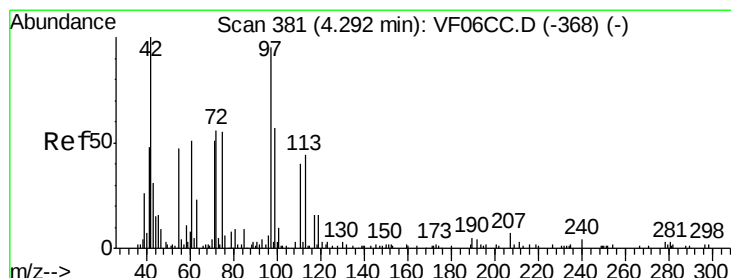
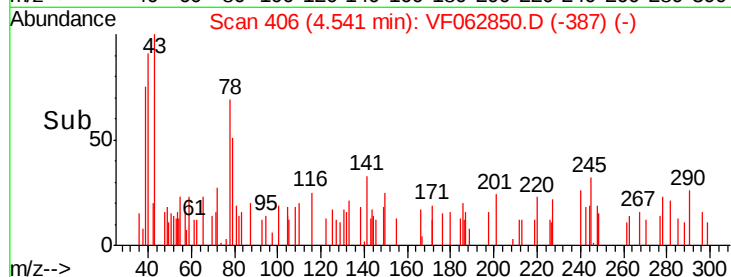
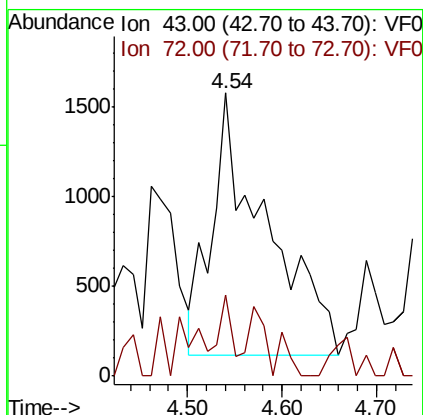
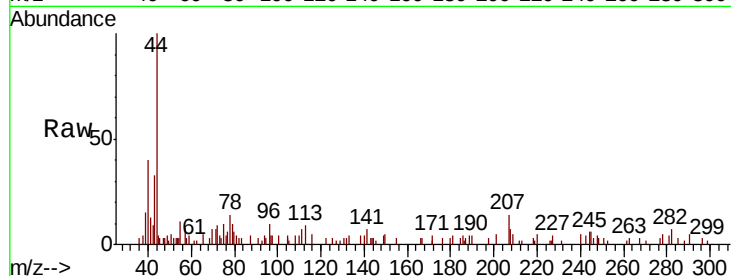




#25
2-Butanone
Concen: 2.355 ug/l
RT: 4.54 min Scan# 406
Delta R.T. -0.01 min
Lab File: VF062850.D
Acq: 4 Jun 2019 20:29

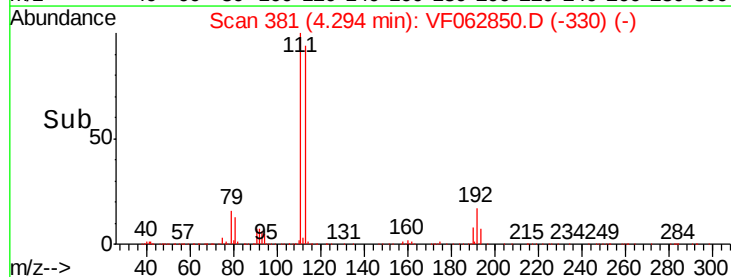
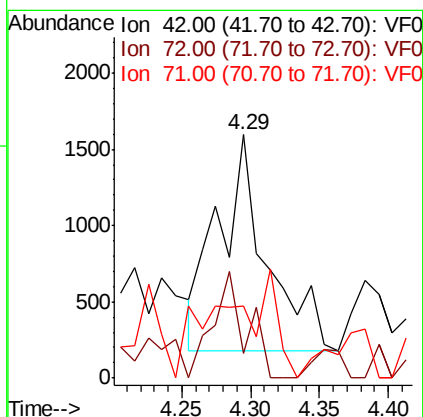
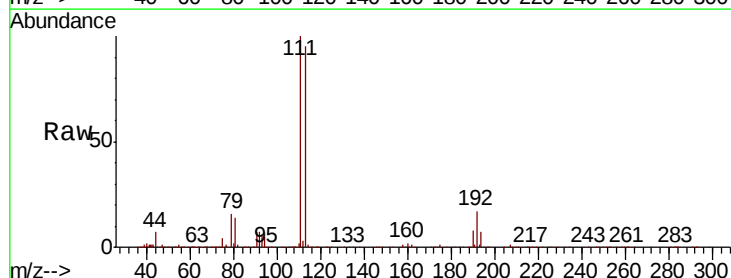
Instrument :
MSVOA_F
ClientSampleId :

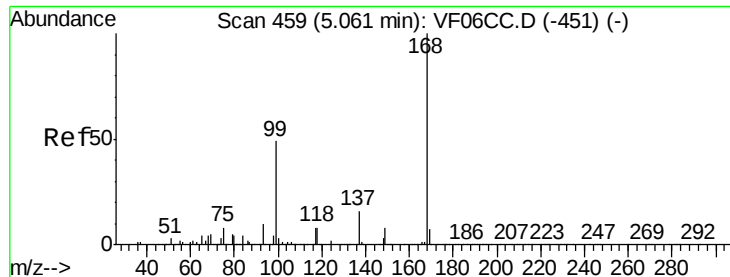
Tot Ion: 43 Resp: 5823
Ion Ratio Lower Upper
43 100
72 28.5 21.4 32.0



#29
Tetrahydrofuran
Concen: 3.715 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.00 min
Lab File: VF062850.D
Acq: 4 Jun 2019 20:29

Tgt Ion: 42 Resp: 3513
Ion Ratio Lower Upper
42 100
72 32.8 39.0 58.6#
71 0.0 36.9 55.3#





#33

1,2-Dichloroethane-d4

Concen: 39.688 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.02 min

Lab File: VF062850.D

Acq: 4 Jun 2019 20:29

Instrument :

MSVOA_F

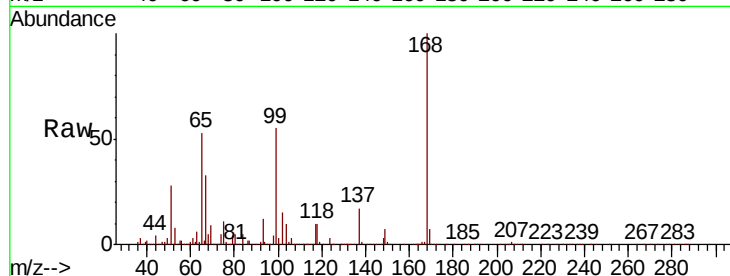
ClientSampleId :

Tot Ion: 65 Resp: 184114

Ion Ratio Lower Upper

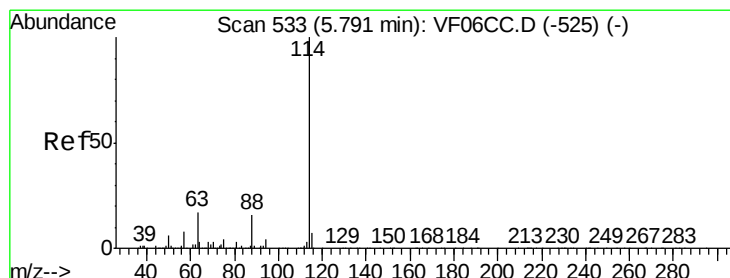
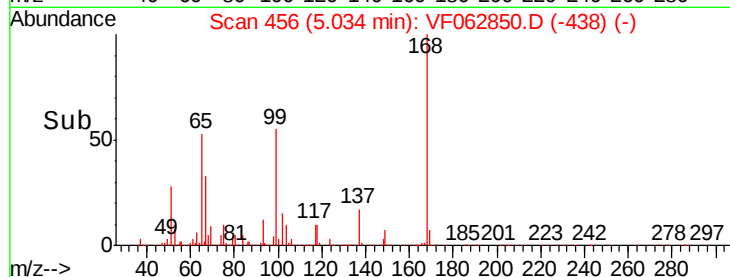
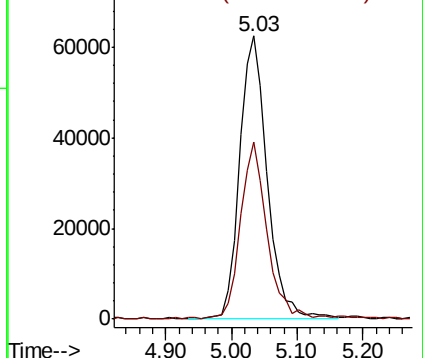
65 100

67 62.8 0.0 121.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.03 min

Lab File: VF062850.D

Acq: 4 Jun 2019 20:29

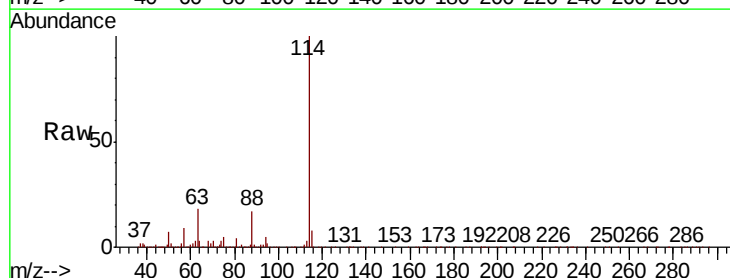
Tgt Ion: 114 Resp: 1145140

Ion Ratio Lower Upper

114 100

63 17.8 0.0 34.2

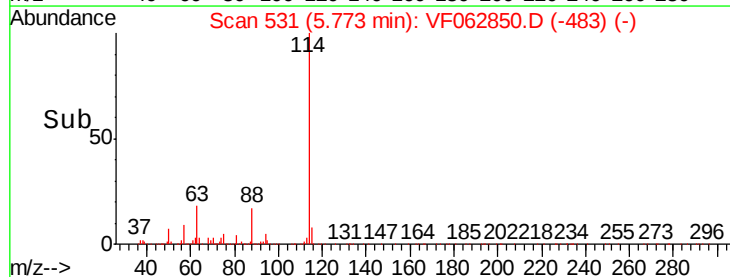
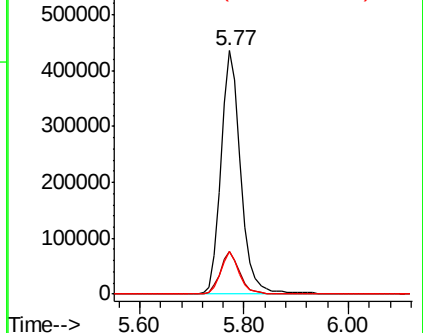
88 17.4 0.0 31.2

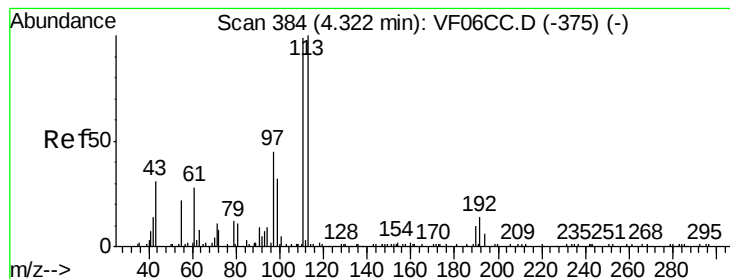


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 40.647 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.03 min

Lab File: VF062850.D

Acq: 4 Jun 2019 20:29

Instrument :
MSVOA_F
ClientSampleId :

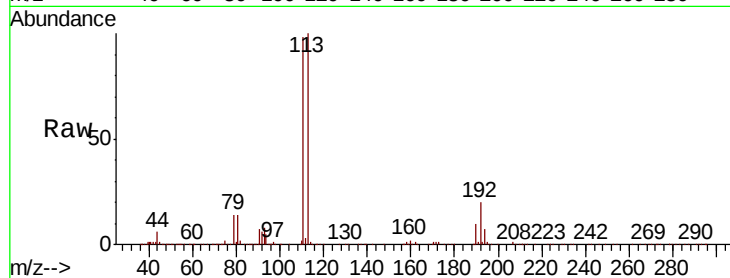
Tot Ion:113 Resp: 351730

Ion Ratio Lower Upper

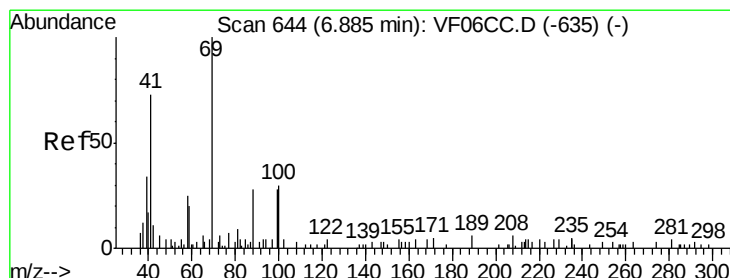
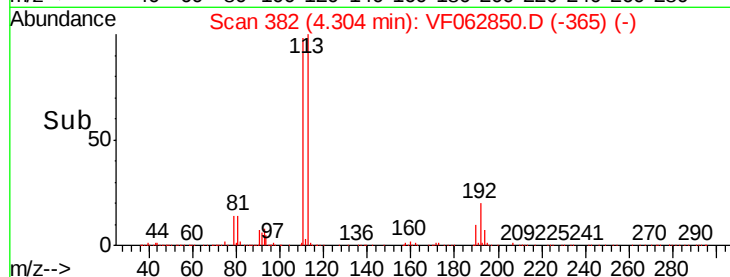
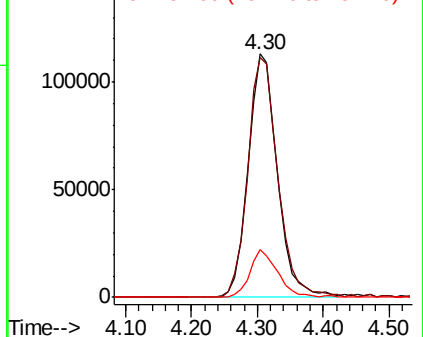
113 100

111 98.4 81.9 122.9

192 19.6 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: 18.527 ug/l

RT: 6.82 min Scan# 637

Delta R.T. -0.07 min

Lab File: VF062850.D

Acq: 4 Jun 2019 20:29

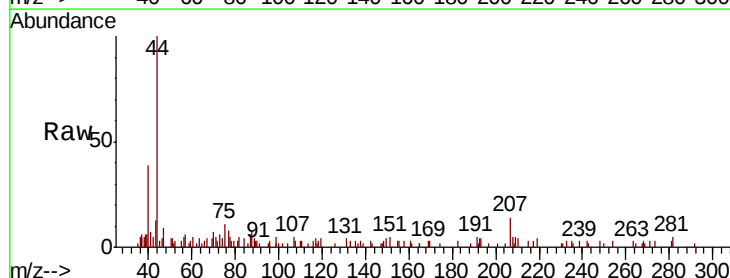
Tgt Ion: 88 Resp: 670

Ion Ratio Lower Upper

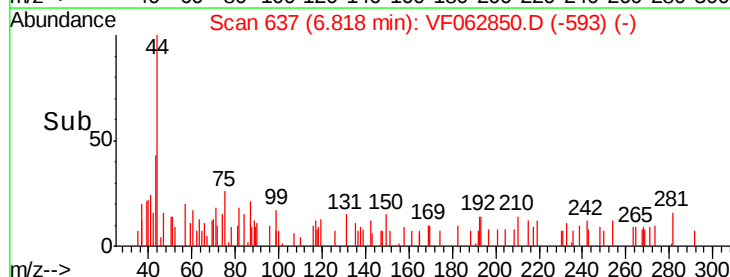
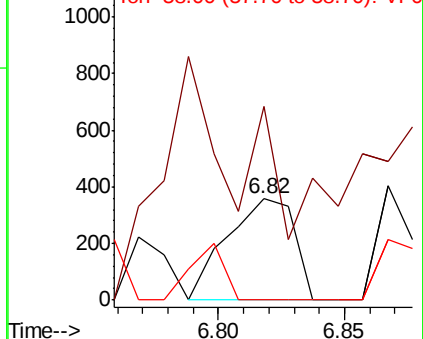
88 100

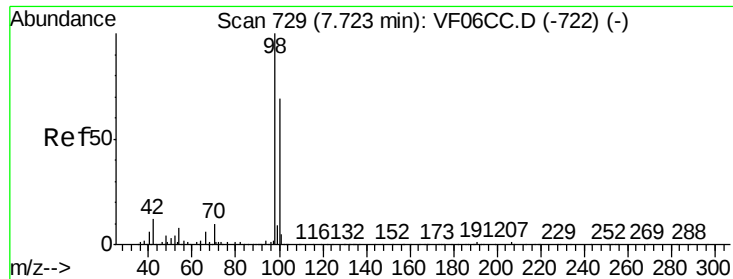
43 191.3 34.8 52.2#

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: 33.541 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.03 min

Lab File: VF062850.D

Acq: 4 Jun 2019 20:29

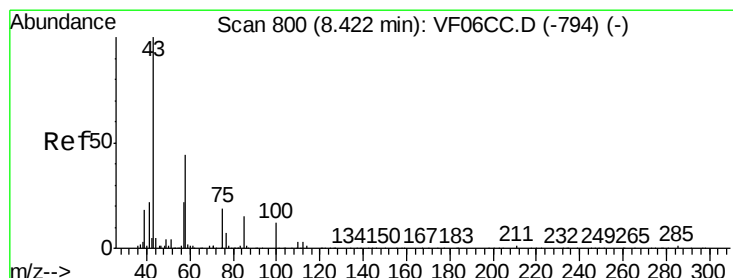
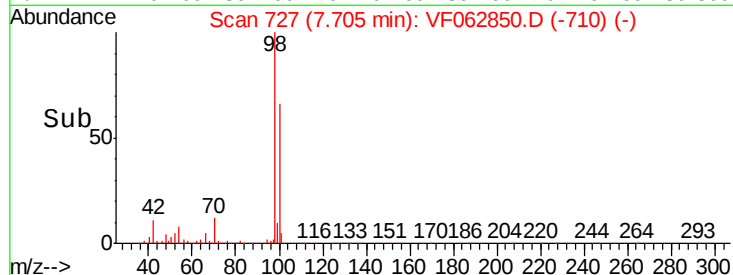
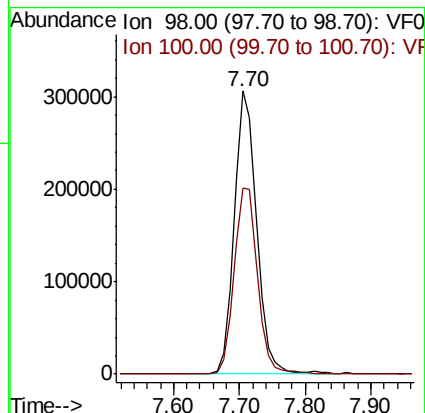
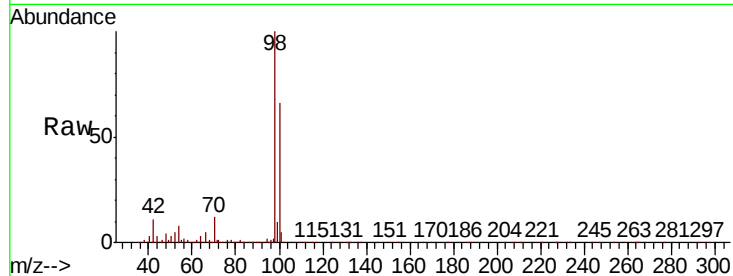
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 98 Resp: 733939

Ion Ratio Lower Upper

98 100

100 65.8 59.8 89.8



#51

4-Methyl-2-Pentanone

Concen: 1.599 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.02 min

Lab File: VF062850.D

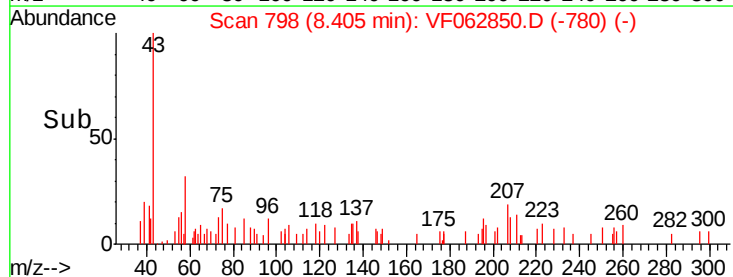
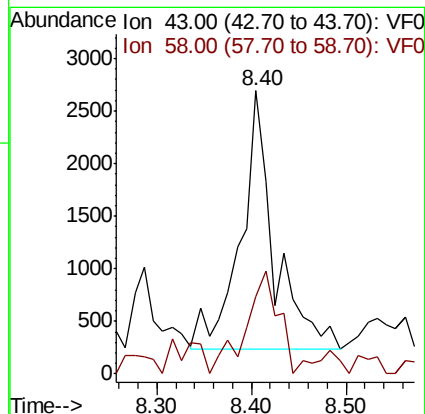
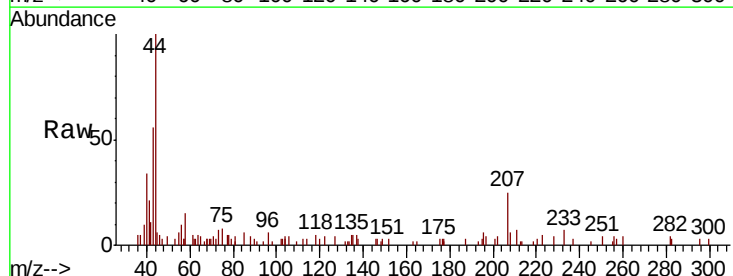
Acq: 4 Jun 2019 20:29

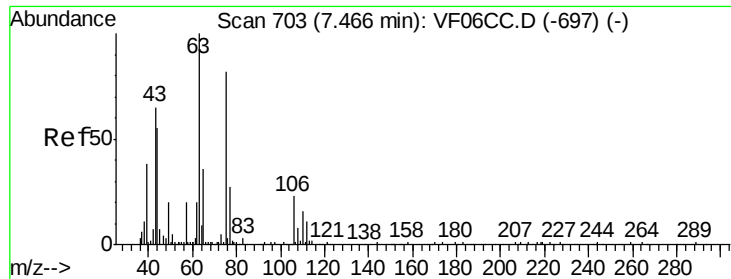
Tgt Ion: 43 Resp: 6079

Ion Ratio Lower Upper

43 100

58 27.4 35.5 53.3#

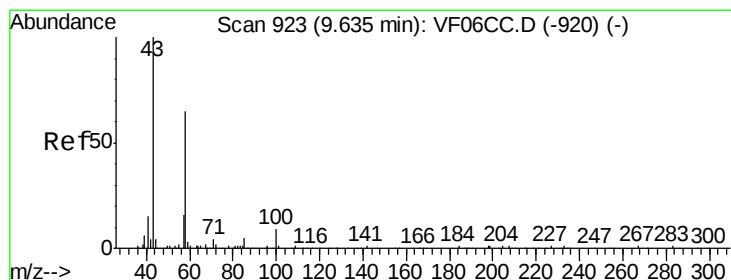
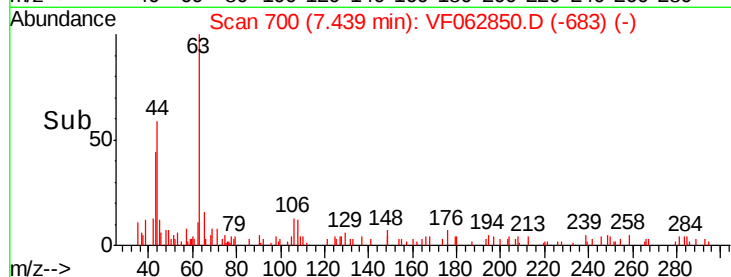
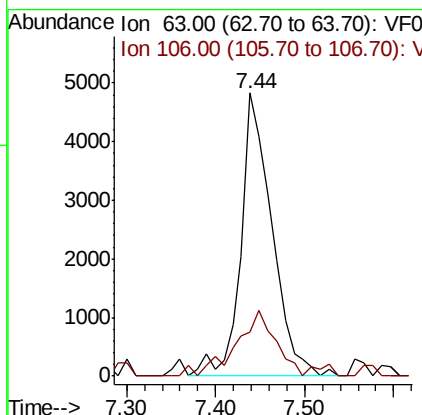
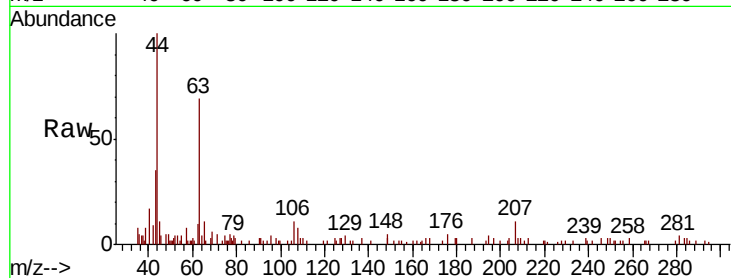




#58
 2-Chloroethyl Vinyl ether
 Concen: 6.299 ug/l
 RT: 7.44 min Scan# 700
 Delta R.T. -0.03 min
 Lab File: VF062850.D
 Acq: 4 Jun 2019 20:29

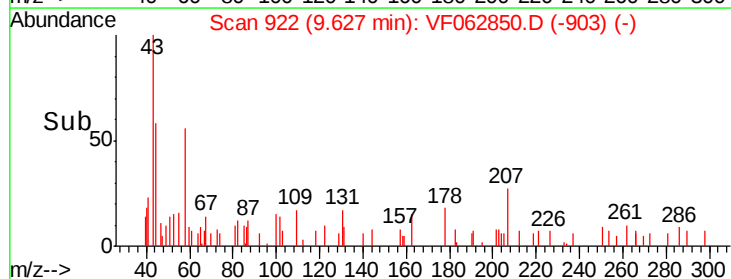
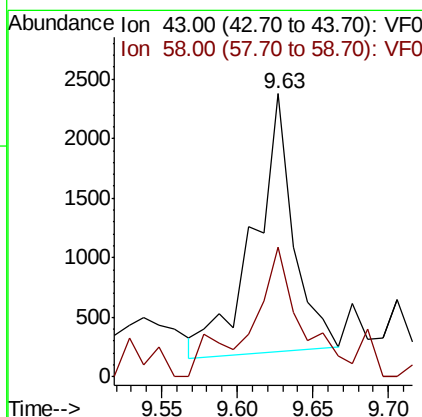
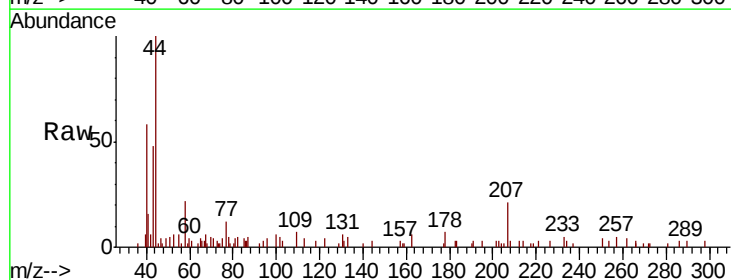
Instrument :
 MSVOA_F
 ClientSampled :

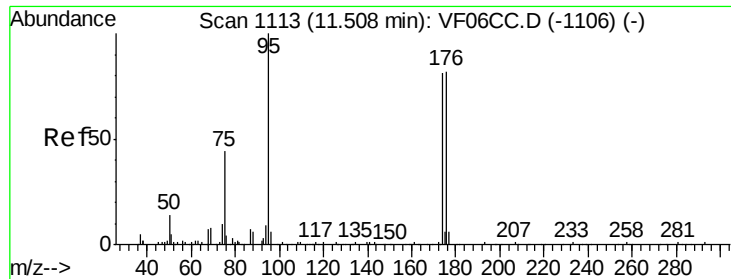
Tot Ion: 63 Resp: 11661
 Ion Ratio Lower Upper
 63 100
 106 15.6 19.5 29.3#



#59
 2-Hexanone
 Concen: 1.452 ug/l
 RT: 9.63 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: VF062850.D
 Acq: 4 Jun 2019 20:29

Tgt Ion: 43 Resp: 3933
 Ion Ratio Lower Upper
 43 100
 58 45.7 29.3 87.9

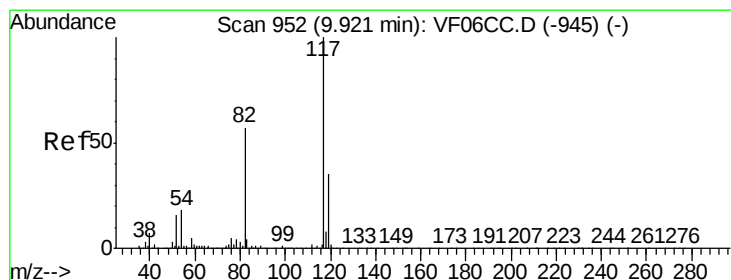
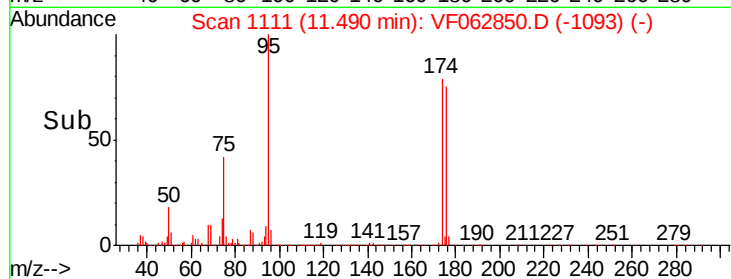
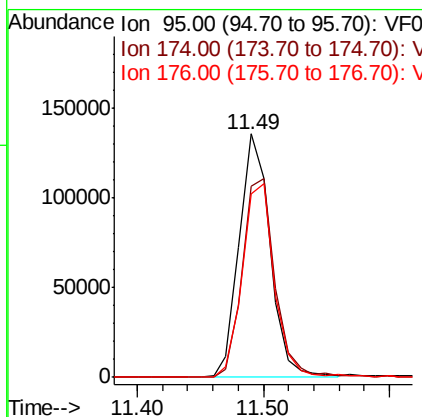
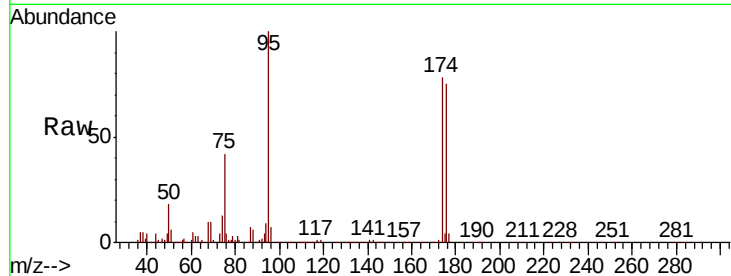




#62
4-Bromofluorobenzene
Concen: 29.286 ug/l
RT: 11.49 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VF062850.D
Acq: 4 Jun 2019 20:29

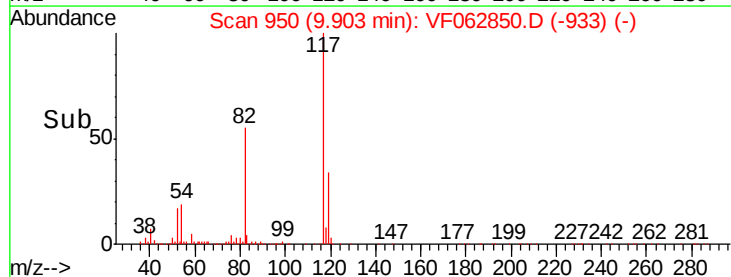
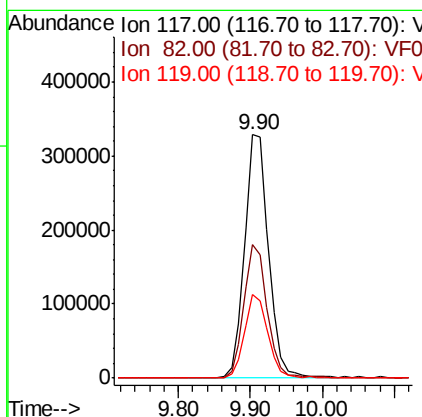
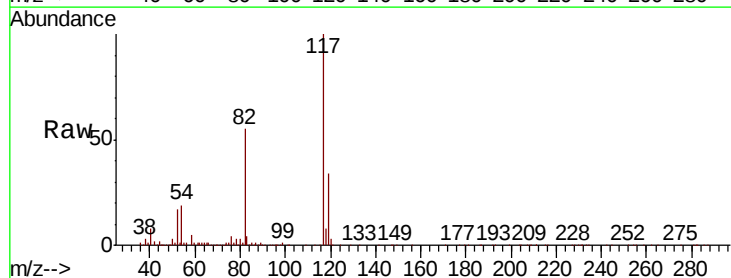
Instrument :
MSVOA_F
ClientSampleId :

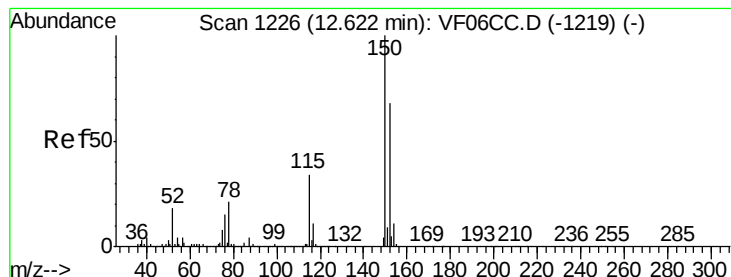
Tot Ion	Ratio	Lower	Upper
95	100		
174	78.5	0.0	170.6
176	75.3	0.0	170.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.03 min
Lab File: VF062850.D
Acq: 4 Jun 2019 20:29

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.1	42.4	63.6
119	34.3	27.1	40.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.01 min

Lab File: VF062850.D

Acq: 4 Jun 2019 20:29

Instrument :

MSVOA_F

ClientSampleId :

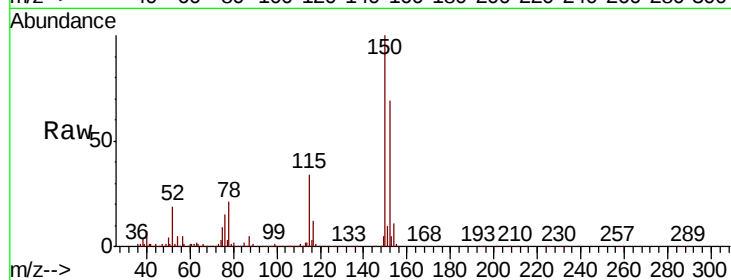
Tot Ion:152 Resp: 277309

Ion Ratio Lower Upper

152 100

115 48.5 24.6 74.0

150 144.6 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

