

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052319\
 Data File : VF062736.D
 Acq On : 23 May 2019 19:34
 Operator : FY/SY
 Sample : K3036-02
 Misc : 5.81g/5mL/MSVOA F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 24 02:16:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	799705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1354302	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	1014488	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	404784	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	252777	44.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.46%	
35) Dibromofluoromethane	4.32	113	464271	44.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.60%	
50) Toluene-d8	7.72	98	1075900	43.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.96%	
62) 4-Bromofluorobenzene	11.50	95	351121	37.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.84%	

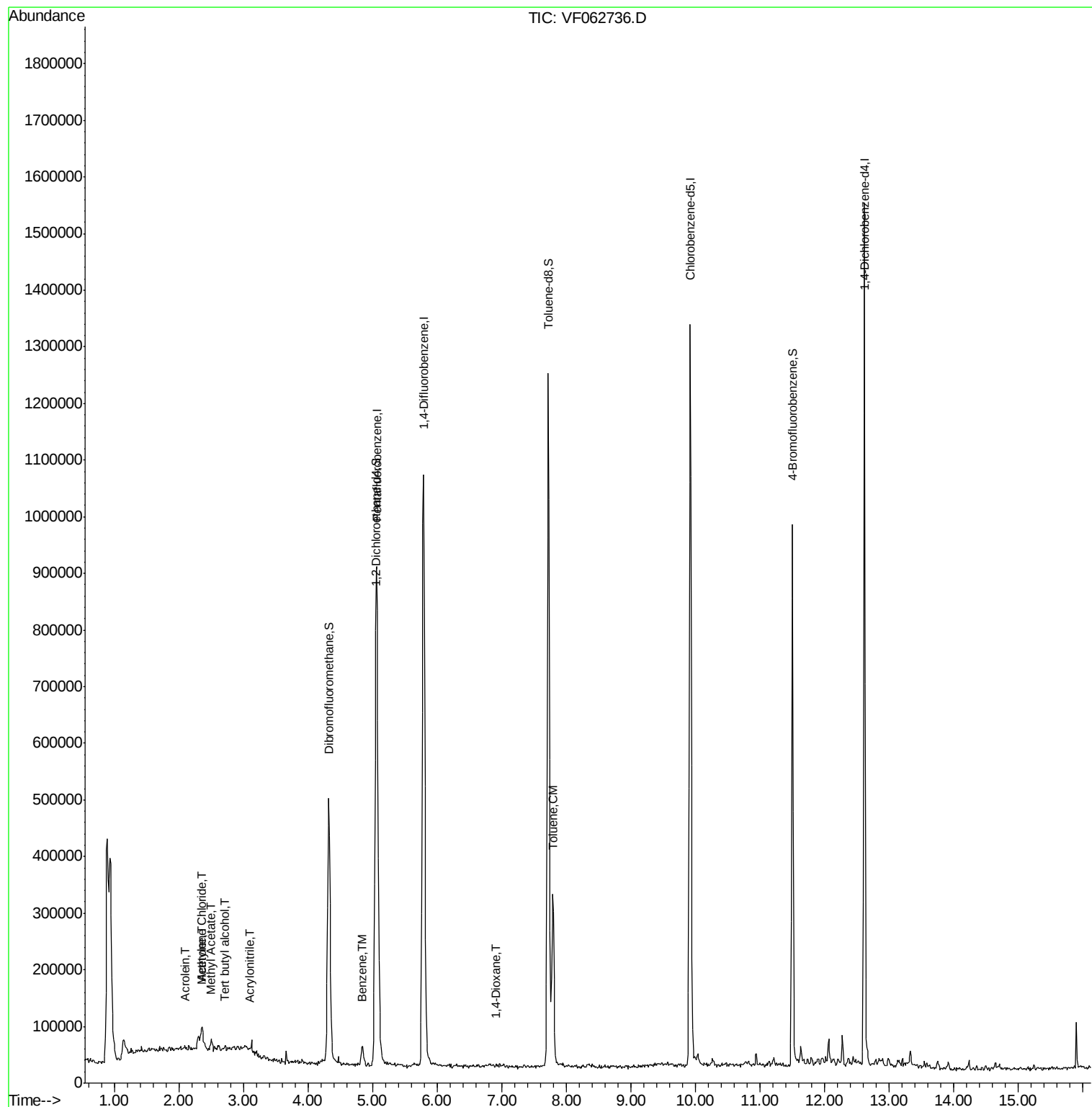
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.71	59	1599	4.286	ug/l #	1
13) Acrolein	2.08	56	788	2.023	ug/l #	75
15) Acrylonitrile	3.08	53	1159	1.101	ug/l #	59
16) Acetone	2.36	43	14201	9.686	ug/l	94
18) Methyl Acetate	2.51	43	8409	3.650	ug/l #	62
20) Methylene Chloride	2.34	84	27160	3.696	ug/l #	90
40) Benzene	4.84	78	46280	1.224	ug/l #	90
49) 1,4-Dioxane	6.90	88	211	4.294	ug/l #	16
52) Toluene	7.79	92	179508	9.054	ug/l	80
59) 2-Hexanone	9.70	43	2245	Below Cal		76
74) N-amyl acetate	11.46	43	2477	Below Cal	#	54

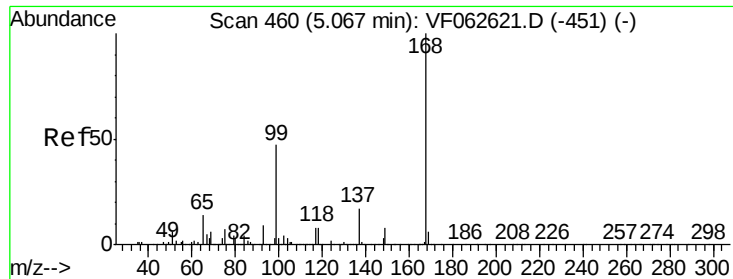
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.00 min

Lab File: VF062736.D

Acq: 23 May 2019 19:34

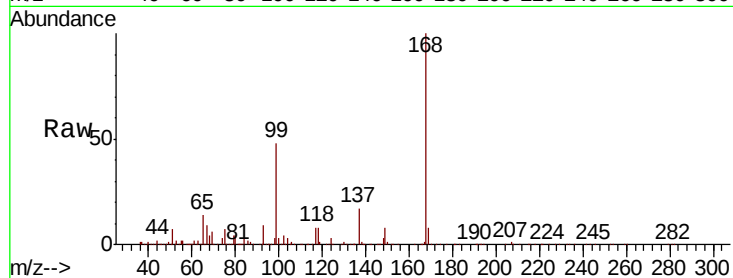
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 799705

Ion Ratio Lower Upper

168 100

99 47.9 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.07

250000

200000

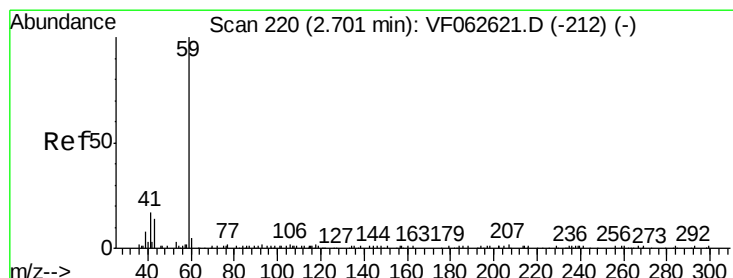
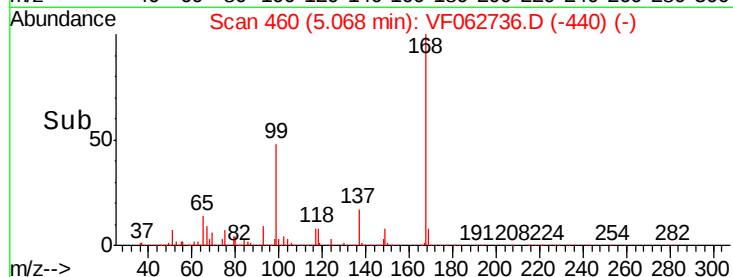
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 4.286 ug/l

RT: 2.71 min Scan# 221

Delta R.T. 0.01 min

Lab File: VF062736.D

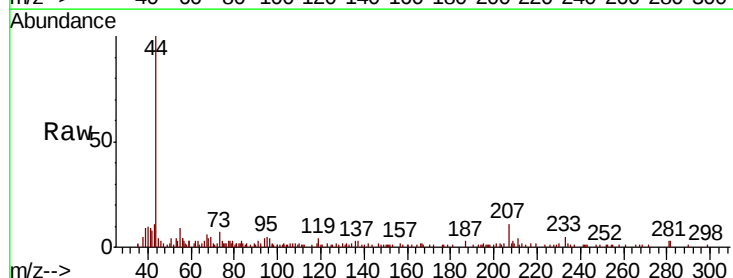
Acq: 23 May 2019 19:34

Tgt Ion: 59 Resp: 1599

Ion Ratio Lower Upper

59 100

57 72.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.71

1000

800

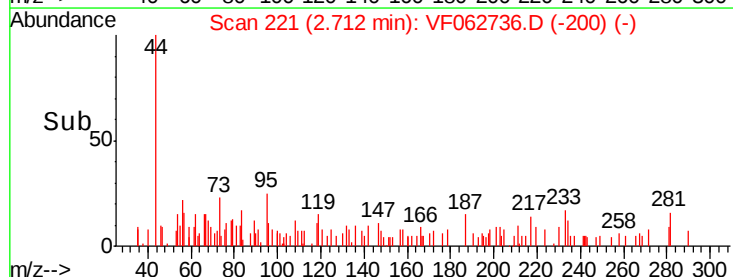
600

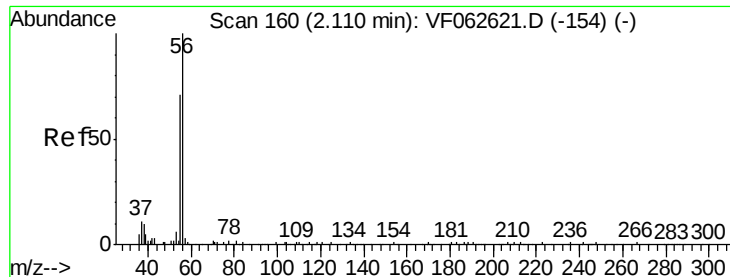
400

200

0

Time-->





#13

Acrolein

Concen: 2.023 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.03 min

Lab File: VF062736.D

Acq: 23 May 2019 19:34

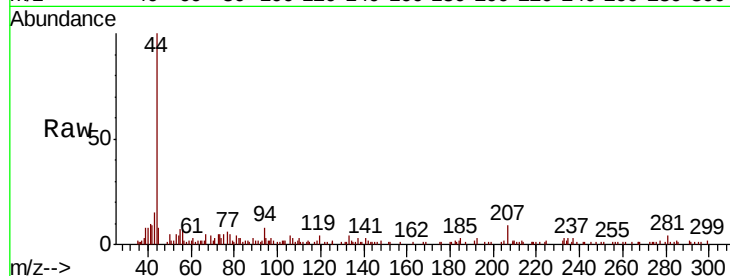
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 788

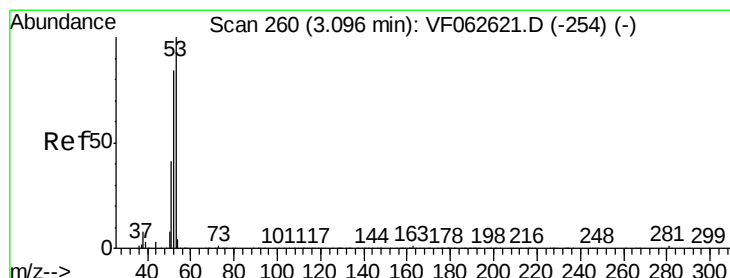
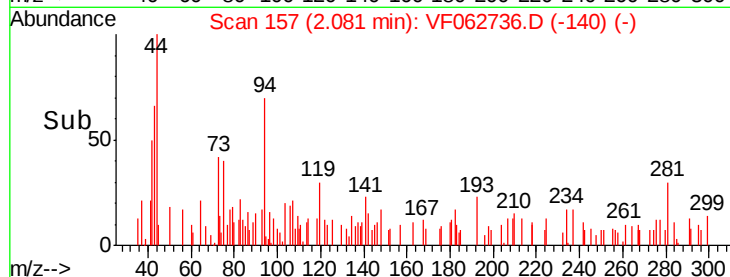
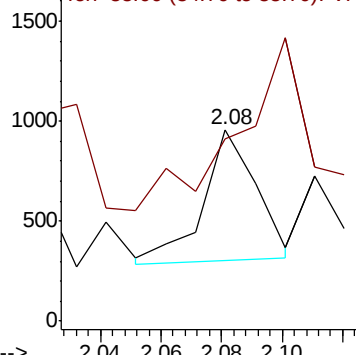
Ion Ratio Lower Upper

56 100

55 95.0 59.4 89.0#



Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 55.00 (54.70 to 55.70): VF0



#15

Acrylonitrile

Concen: 1.101 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.02 min

Lab File: VF062736.D

Acq: 23 May 2019 19:34

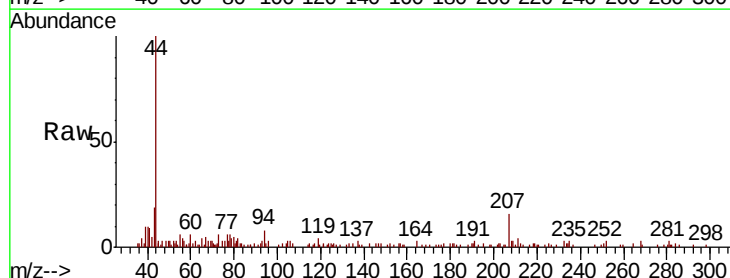
Tgt Ion: 53 Resp: 1159

Ion Ratio Lower Upper

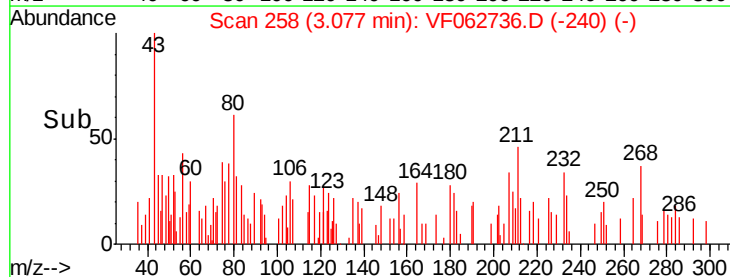
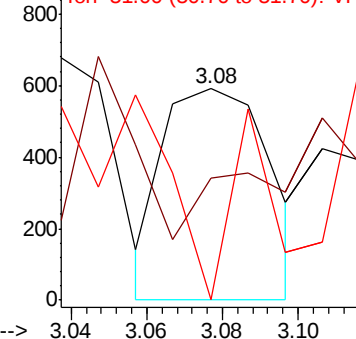
53 100

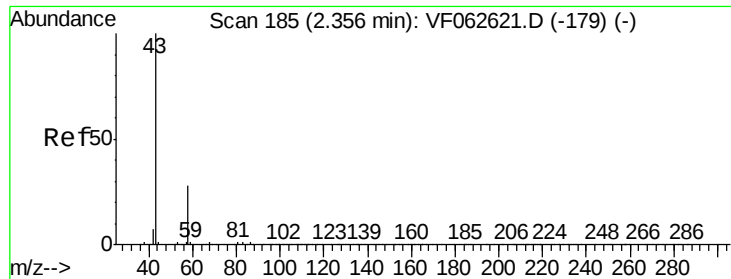
52 57.7 67.3 100.9#

51 0.0 33.0 49.6#



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: 9.686 ug/l

RT: 2.36 min Scan# 185

Delta R.T. 0.00 min

Lab File: VF062736.D

Acq: 23 May 2019 19:34

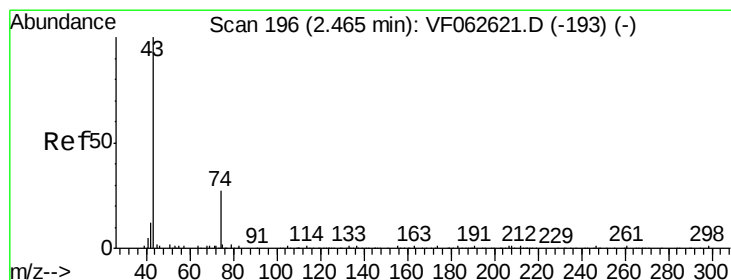
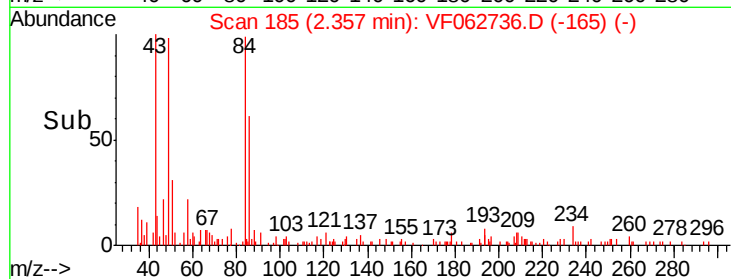
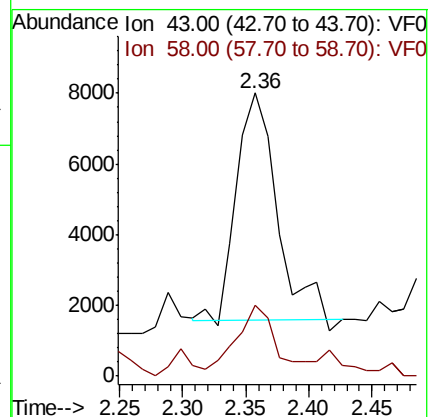
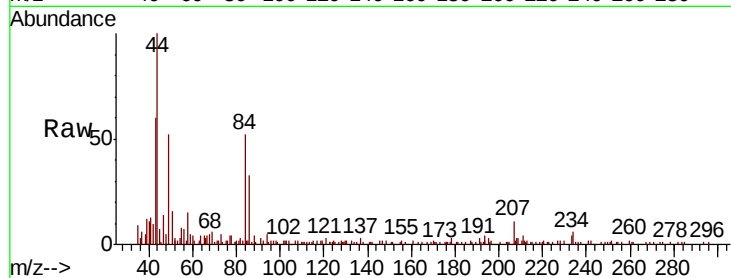
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 14201

Ion Ratio Lower Upper

43 100

58 25.0 22.6 33.8



#18

Methyl Acetate

Concen: 3.650 ug/l

RT: 2.51 min Scan# 200

Delta R.T. 0.04 min

Lab File: VF062736.D

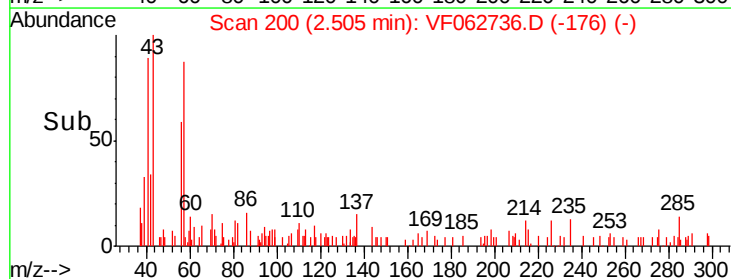
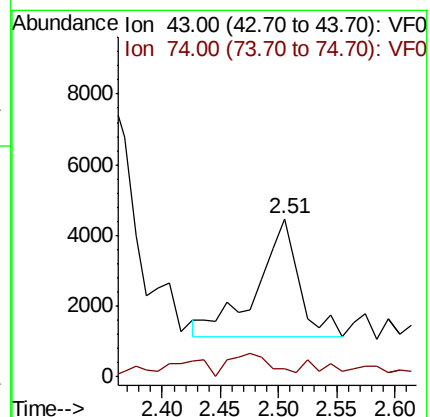
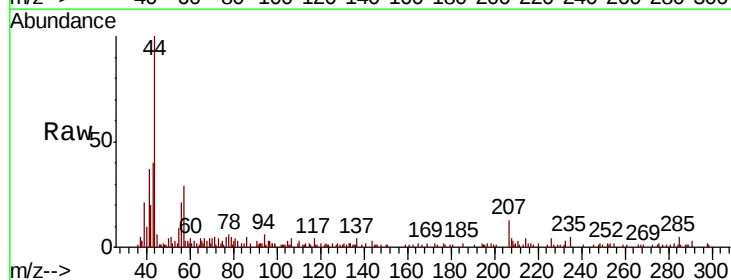
Acq: 23 May 2019 19:34

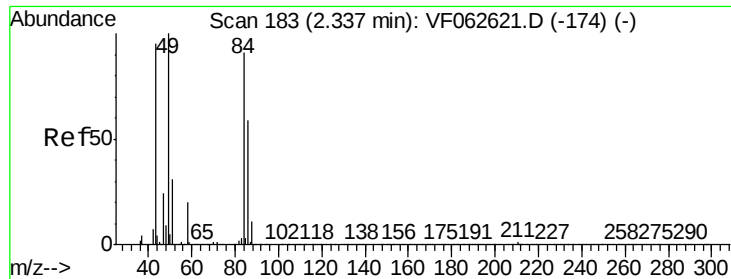
Tgt Ion: 43 Resp: 8409

Ion Ratio Lower Upper

43 100

74 5.0 18.9 28.3#

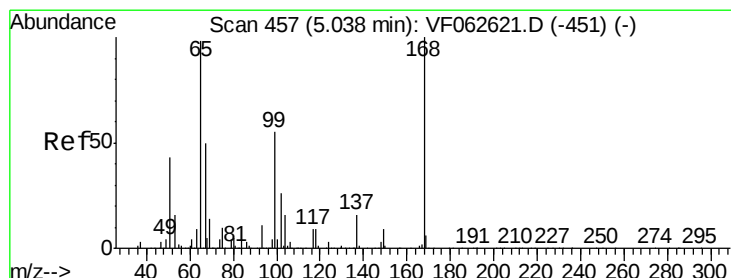
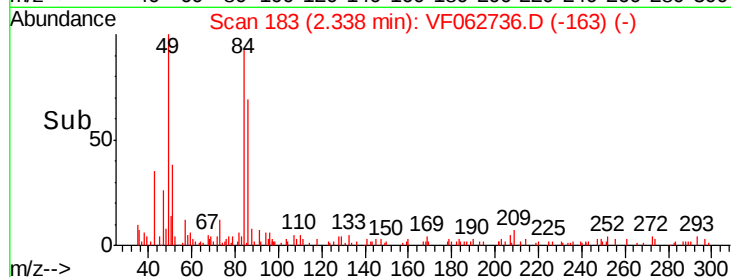
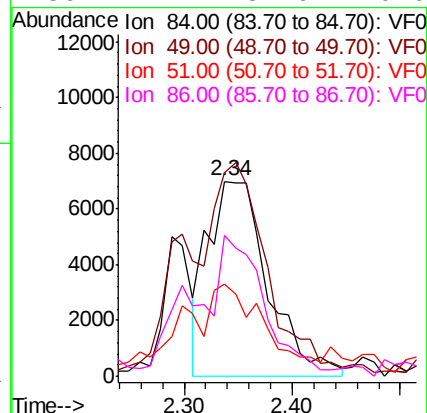
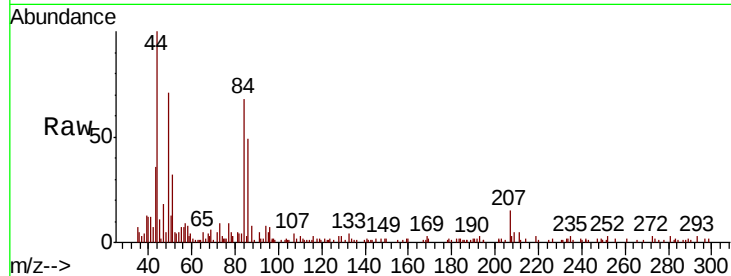




#20
Methvlene Chloride
Concen: 3.696 ug/l
RT: 2.34 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF062736.D
Acq: 23 May 2019 19:34

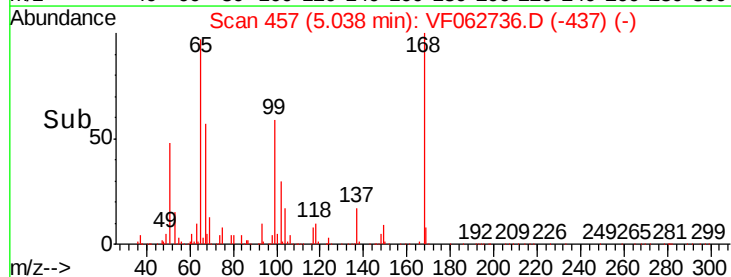
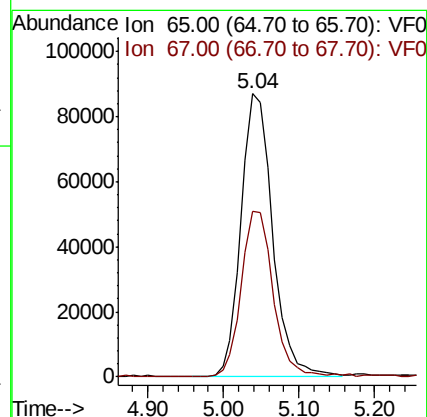
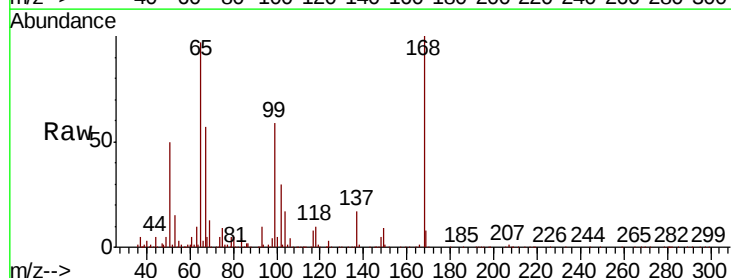
Instrument :
MSVOA_F
ClientSampled :

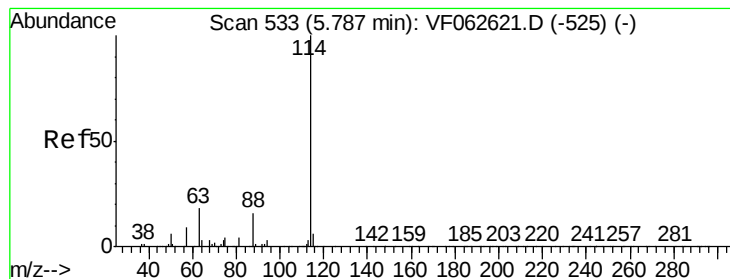
Tot Ion: 84 Resp: 27160
Ion Ratio Lower Upper
84 100
49 104.5 89.8 134.8
51 47.0 28.4 42.6#
86 72.1 52.6 79.0



#33
1,2-Dichloroethane-d4
Concen: 44.731 ug/l
RT: 5.04 min Scan# 457
Delta R.T. 0.00 min
Lab File: VF062736.D
Acq: 23 May 2019 19:34

Tgt Ion: 65 Resp: 252777
Ion Ratio Lower Upper
65 100
67 58.5 0.0 117.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 533

Delta R.T. 0.00 min

Lab File: VF062736.D

Acq: 23 May 2019 19:34

Instrument :

MSVOA_F

ClientSampleId :

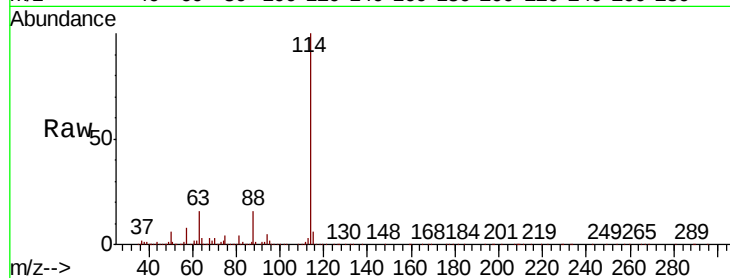
Tot Ion:114 Resp: 1354302

Ion Ratio Lower Upper

114 100

63 16.3 0.0 35.4

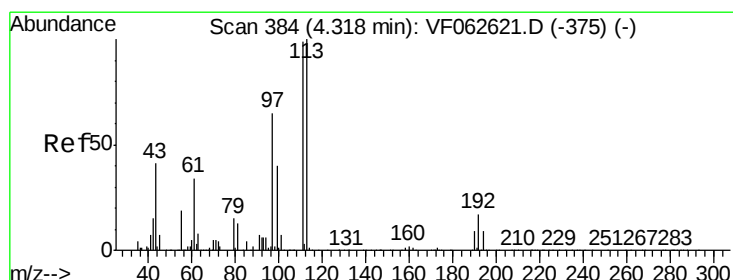
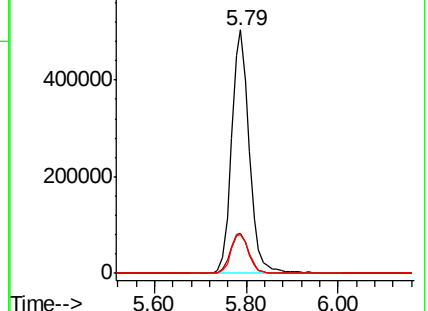
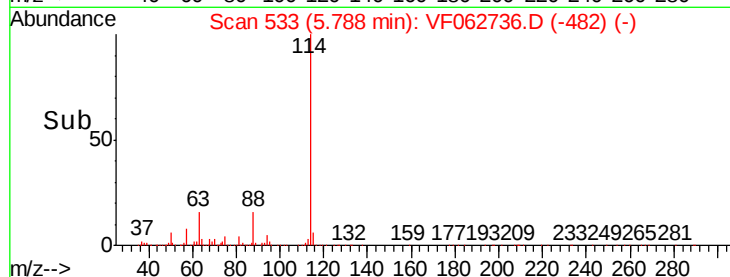
88 16.0 0.0 32.4



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: 44.800 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.00 min

Lab File: VF062736.D

Acq: 23 May 2019 19:34

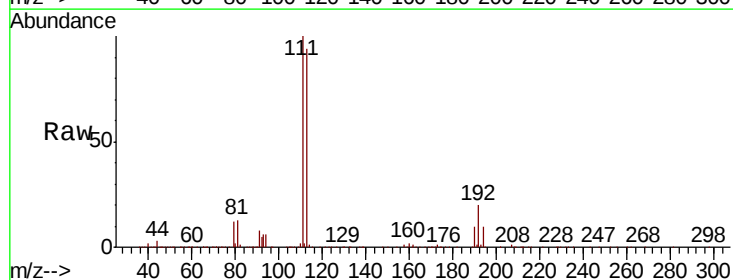
Tgt Ion:113 Resp: 464271

Ion Ratio Lower Upper

113 100

111 106.7 79.4 119.2

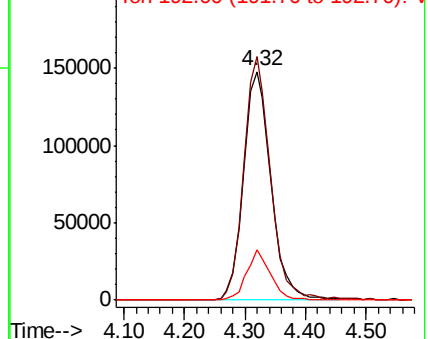
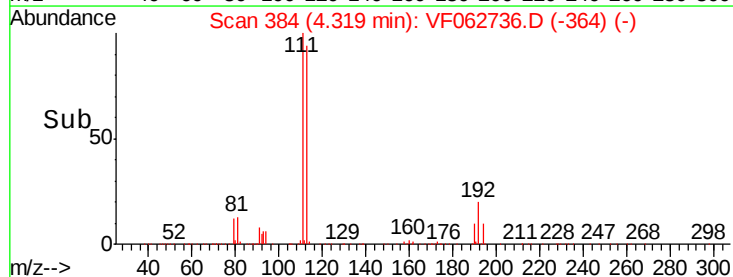
192 22.1 13.4 20.2#

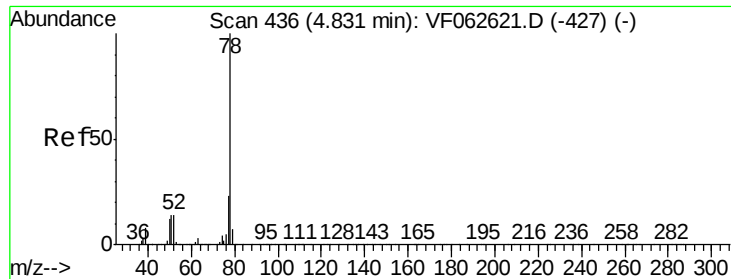


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#40

Benzene

Concen: 1.224 ug/l

RT: 4.84 min Scan# 437

Delta R.T. 0.01 min

Lab File: VF062736.D

Acq: 23 May 2019 19:34

Instrument :

MSVOA_F

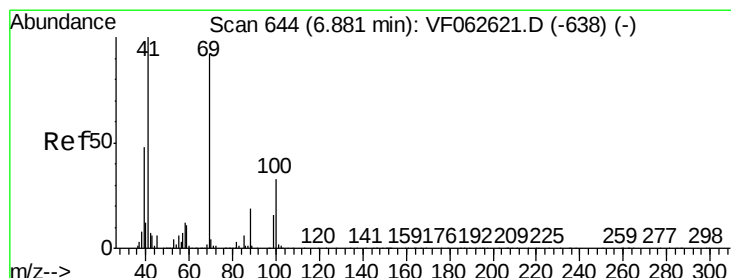
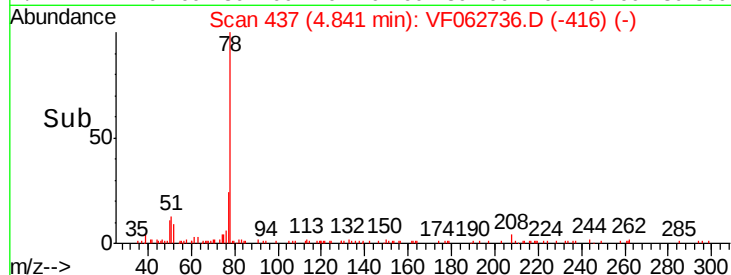
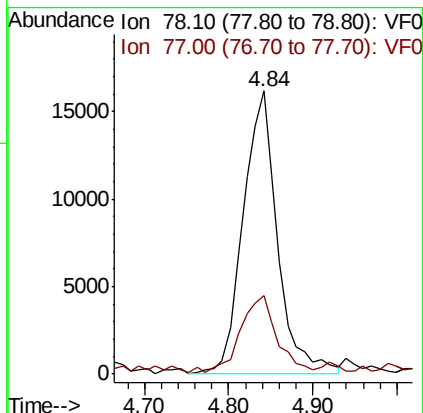
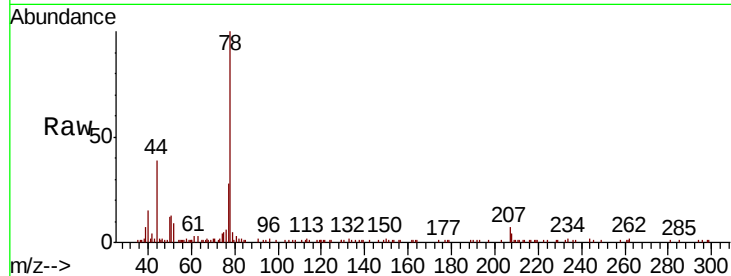
ClientSampleId :

Tot Ion: 78 Resp: 46280

Ion Ratio Lower Upper

78 100

77 27.6 18.2 27.2#



#49

1,4-Dioxane

Concen: 4.294 ug/l

RT: 6.90 min Scan# 646

Delta R.T. 0.02 min

Lab File: VF062736.D

Acq: 23 May 2019 19:34

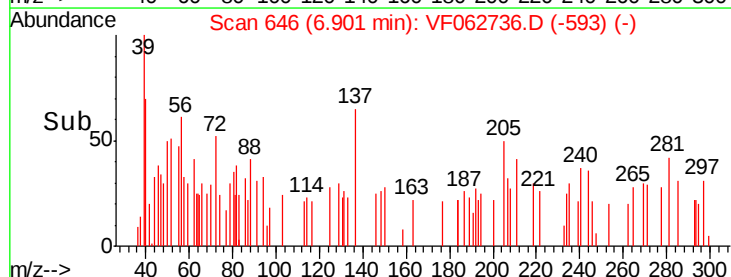
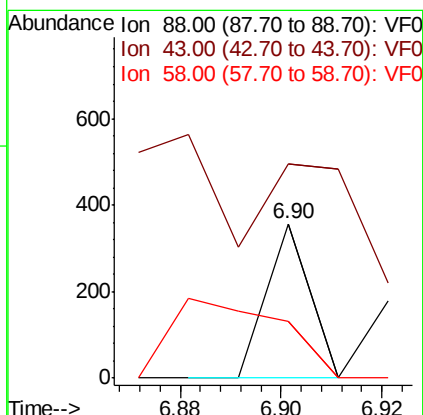
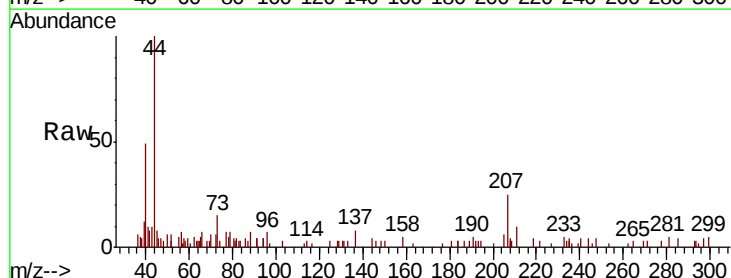
Tgt Ion: 88 Resp: 211

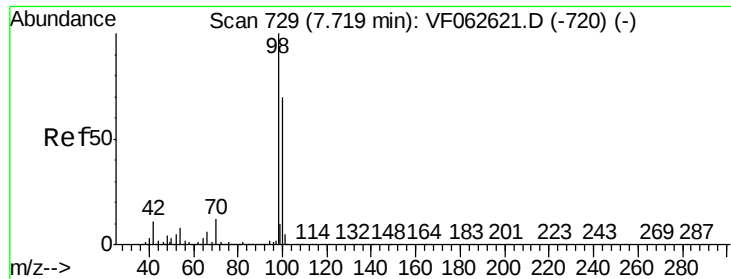
Ion Ratio Lower Upper

88 100

43 138.4 30.0 45.0#

58 37.0 51.1 76.7#

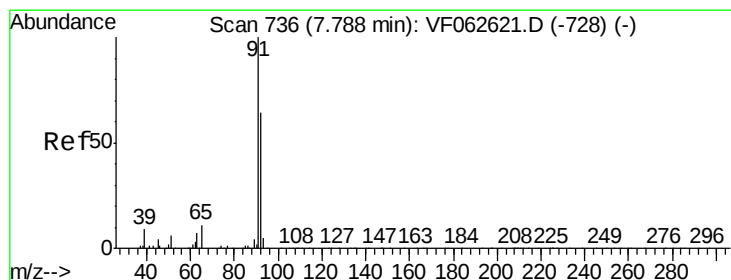
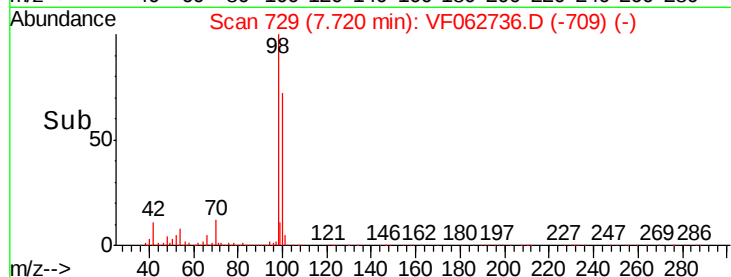
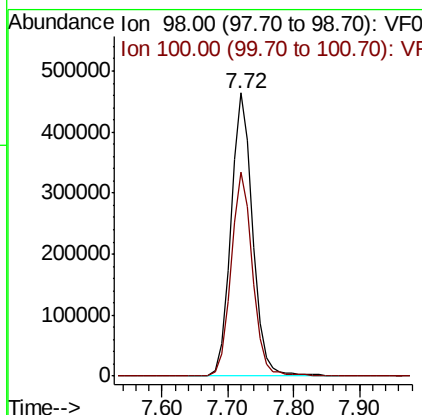
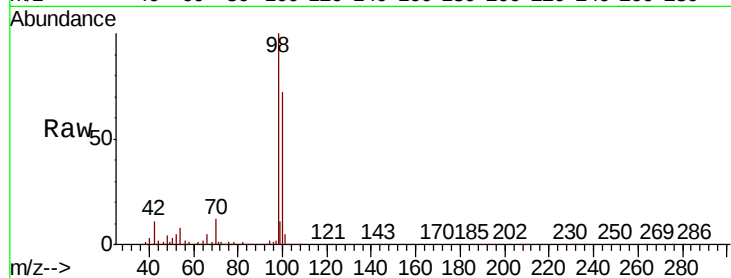




#50
Toluene-d8
Concen: 43.483 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF062736.D
Acq: 23 May 2019 19:34

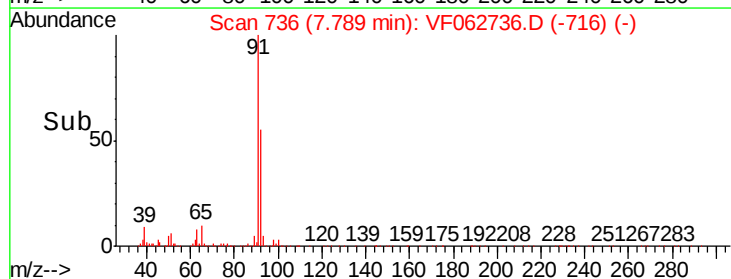
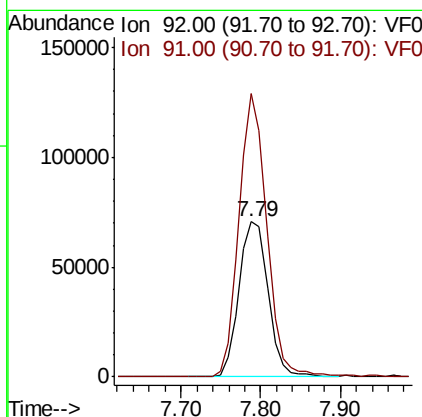
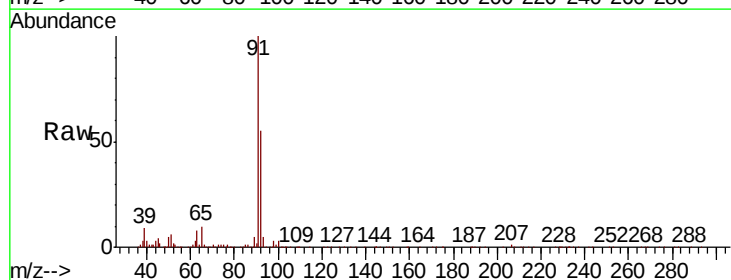
Instrument :
MSVOA_F
ClientSampled :

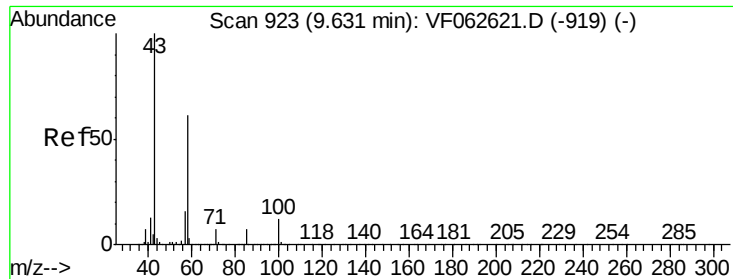
Tot Ion: 98 Resp: 1075900
Ion Ratio Lower Upper
98 100
100 72.3 56.2 84.2



#52
Toluene
Concen: 9.054 ug/l
RT: 7.79 min Scan# 736
Delta R.T. 0.00 min
Lab File: VF062736.D
Acq: 23 May 2019 19:34

Tgt Ion: 92 Resp: 179508
Ion Ratio Lower Upper
92 100
91 182.6 125.4 188.0

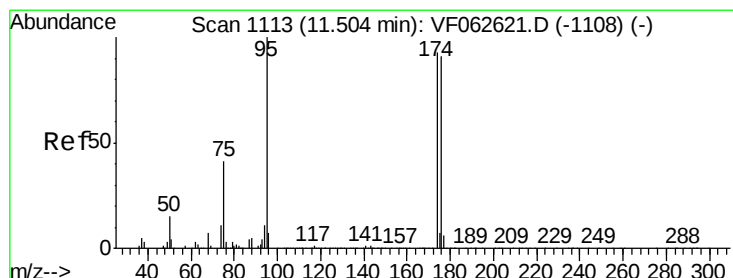
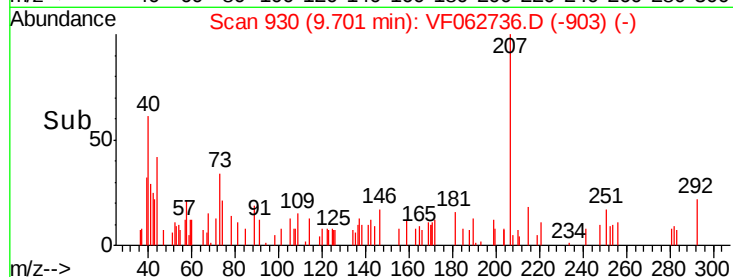
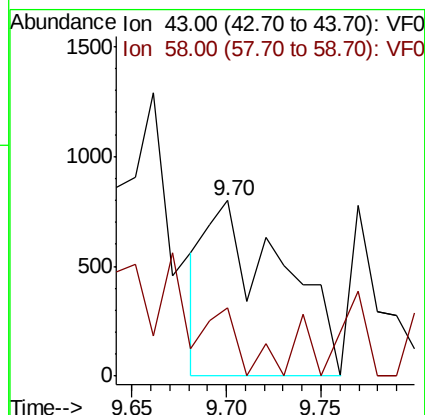
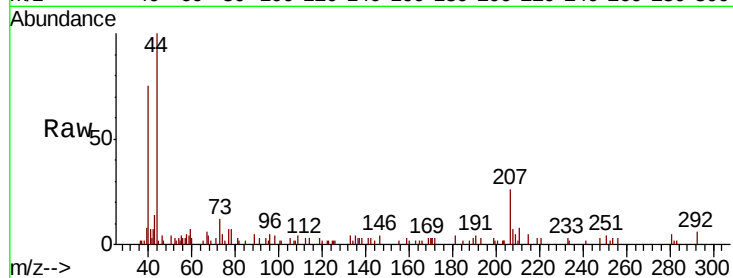




#59
2-Hexanone
Concen: Below Cal
RT: 9.70 min Scan# 930
Delta R.T. 0.07 min
Lab File: VF062736.D
Acq: 23 May 2019 19:34

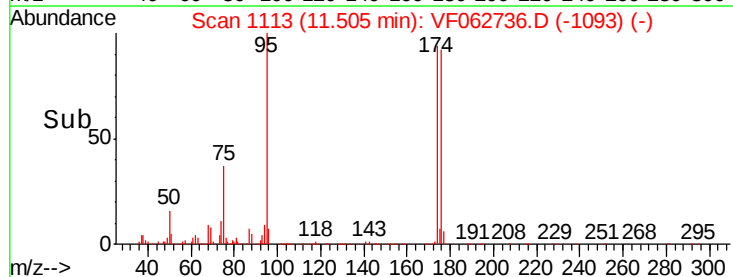
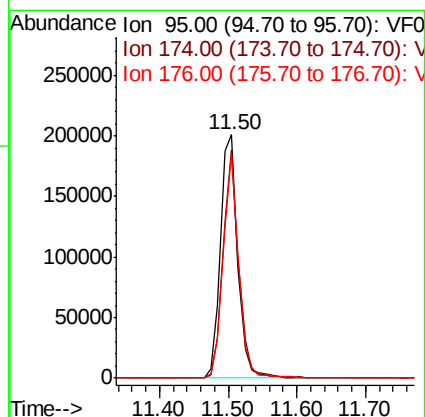
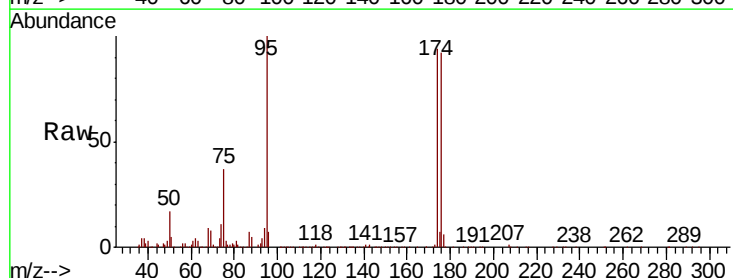
Instrument :
MSVOA_F
ClientSampled :

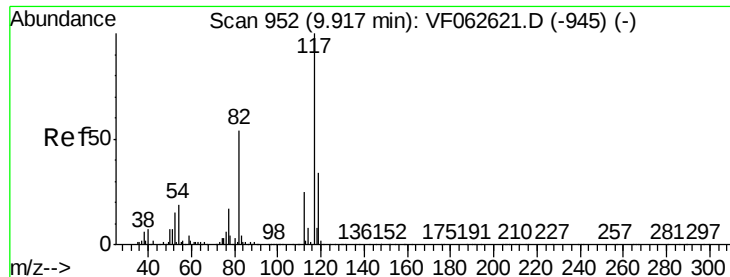
Tot Ion: 43 Resp: 2245
Ion Ratio Lower Upper
43 100
58 38.7 28.1 84.4



#62
4-Bromofluorobenzene
Concen: 37.416 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VF062736.D
Acq: 23 May 2019 19:34

Tgt Ion: 95 Resp: 351121
Ion Ratio Lower Upper
95 100
174 93.8 0.0 185.6
176 91.9 0.0 182.4

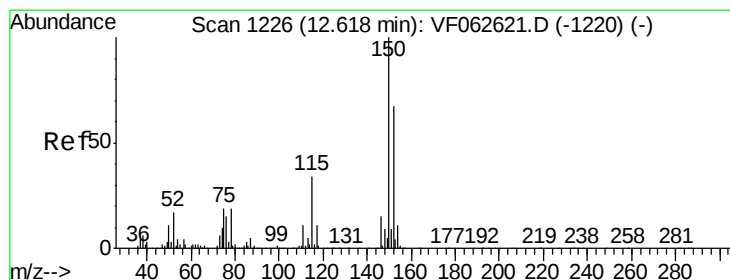
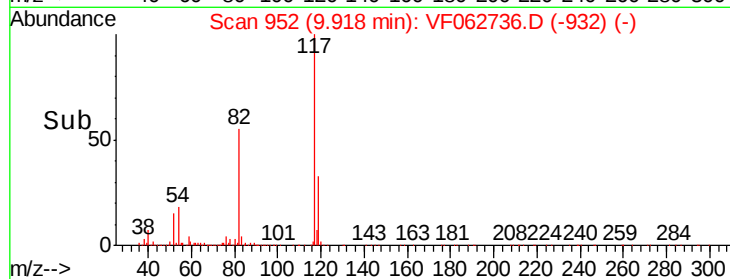
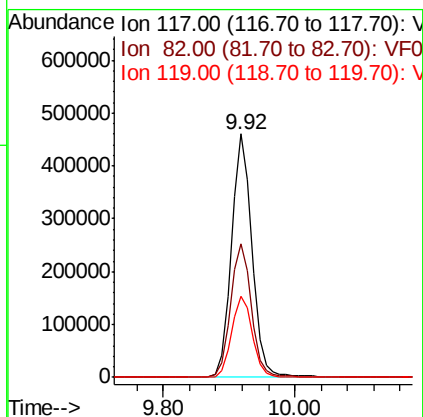
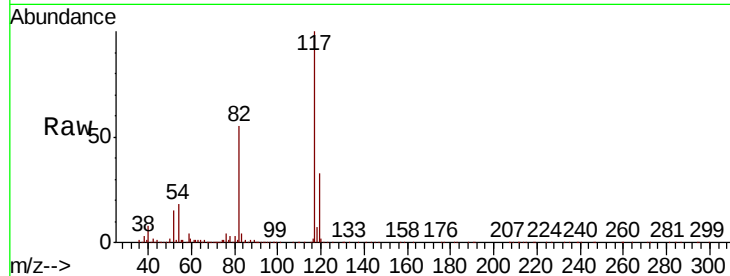




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF062736.D
Acq: 23 May 2019 19:34

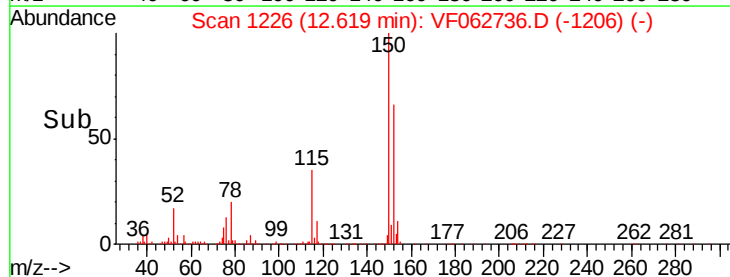
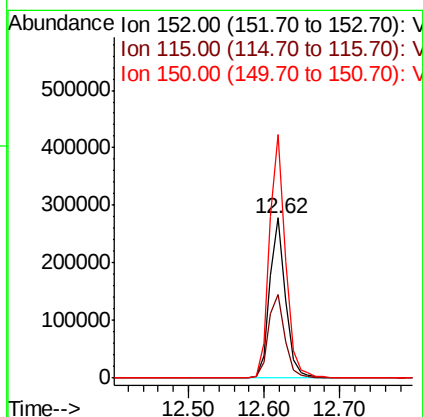
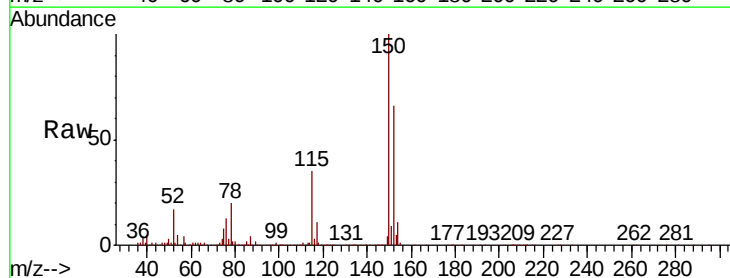
Instrument :
MSVOA_F
ClientSampleId :

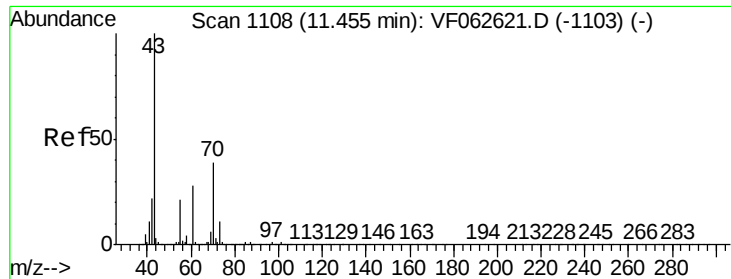
Tot Ion:117 Resp: 1014488
Ion Ratio Lower Upper
117 100
82 54.8 43.3 64.9
119 33.1 27.4 41.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.00 min
Lab File: VF062736.D
Acq: 23 May 2019 19:34

Tgt Ion:152 Resp: 404784
Ion Ratio Lower Upper
152 100
115 52.6 25.2 75.6
150 152.3 0.0 306.2





#74
 N-amvl acetate
 Concen: Below Cal
 RT: 11.46 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VF062736.D
 Acq: 23 May 2019 19:34

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:	43	Resp:	2477
Ion	Ratio	Lower	Upper
43	100		
70	14.1	30.9	46.3#
55	56.9	17.0	25.4#
61	11.9	22.6	34.0#

