

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060519\
 Data File : VF062872.D
 Acq On : 5 Jun 2019 18:26
 Operator : FY/SY
 Sample : K3183-03
 Misc : 6.15g/5mL/MSVOA F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 06 08:03:18 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	209373	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	315080	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	251389	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	82740	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	42718	29.50	ug/l	0.00
Spiked Amount 50.000			Recovery =	59.00%		
35) Dibromofluoromethane	4.34	113	92890	39.01	ug/l	0.00
Spiked Amount 50.000			Recovery =	78.02%		
50) Toluene-d8	7.73	98	201205	33.42	ug/l	0.00
Spiked Amount 50.000			Recovery =	66.84%		
62) 4-Bromofluorobenzene	11.51	95	61635	28.46	ug/l	0.00
Spiked Amount 50.000			Recovery =	56.92%		

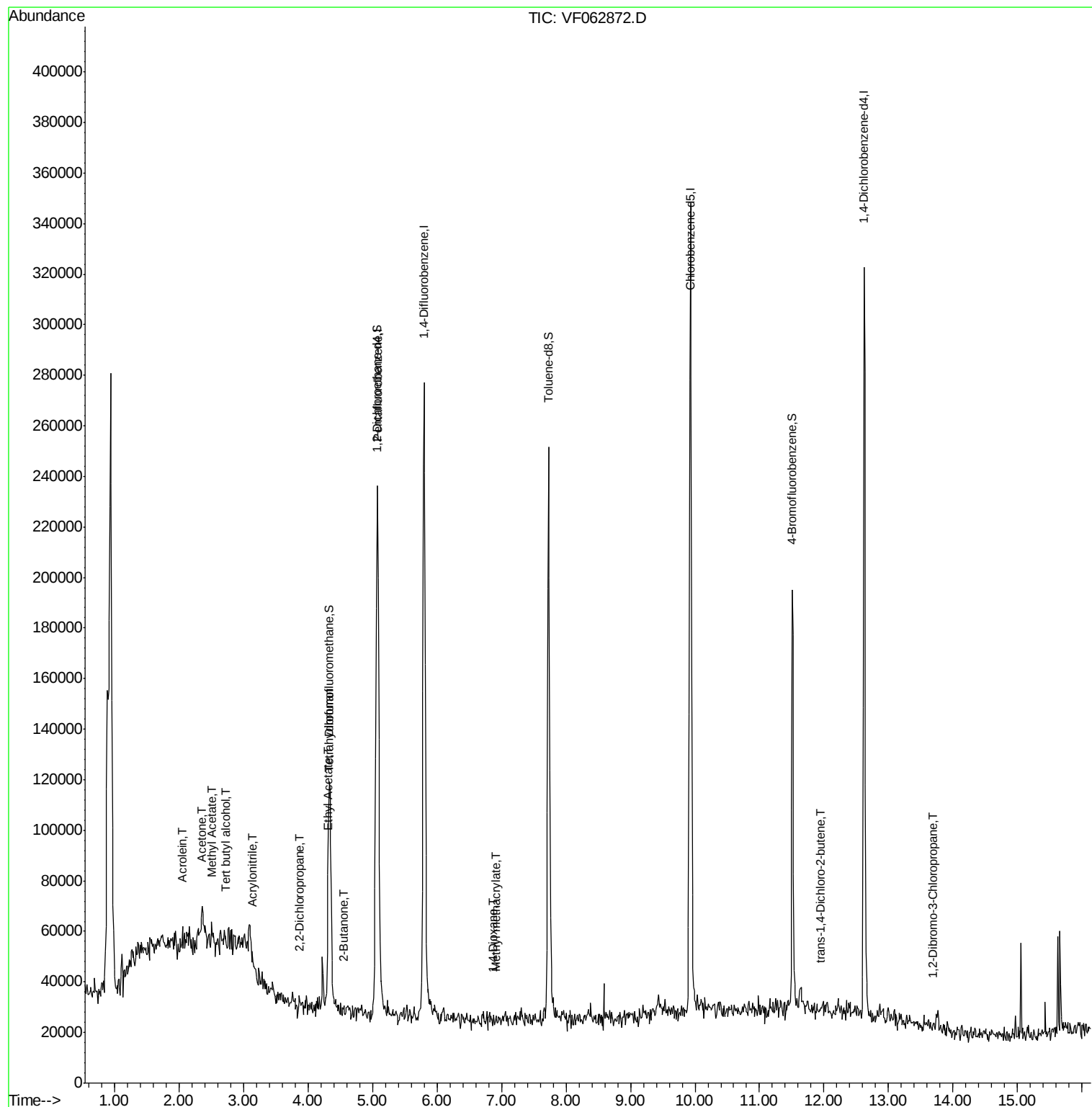
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	324	Below Cal	#	39
11) Tert butyl alcohol	2.72	59	376	4.287	ug/l #	1
13) Acrolein	2.04	56	438	4.464	ug/l	90
15) Acrylonitrile	3.14	53	626	1.899	ug/l #	17
16) Acetone	2.36	43	20365	61.456	ug/l	98
18) Methyl Acetate	2.51	43	1771	3.058	ug/l #	61
25) 2-Butanone	4.55	43	2156	2.794	ug/l	93
26) 2,2-Dichloropropane	3.87	77	1662	1.022	ug/l	83
29) Tetrahydrofuran	4.31	42	1357	4.598	ug/l #	45
37) Ethyl Acetate	4.30	43	1169	1.054	ug/l #	56
48) Methyl methacrylate	6.91	41	1036	1.372	ug/l #	39
49) 1,4-Dioxane	6.86	88	130	13.065	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.95	75	426	1.231	ug/l #	29
92) 1,2-Dibromo-3-Chloropropan	13.69	75	338	2.516	ug/l #	7

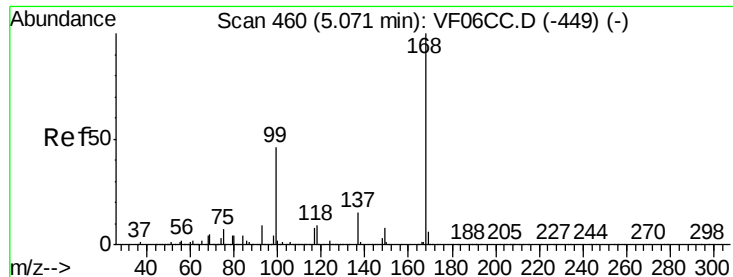
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
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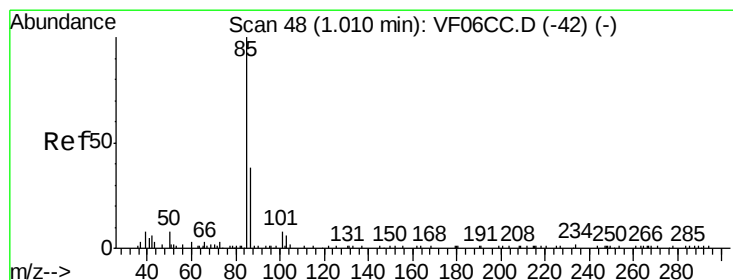
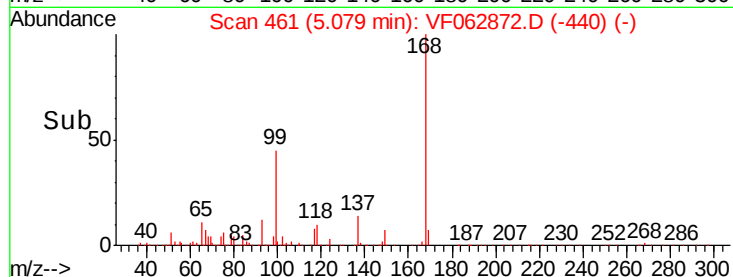
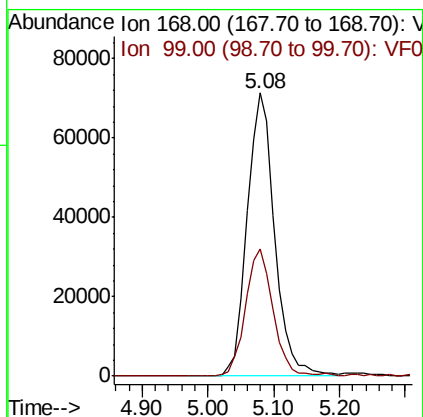
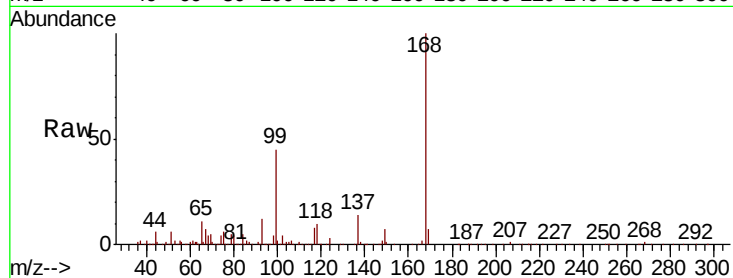


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.08 min Scan# 461
 Delta R.T. 0.01 min
 Lab File: VF062872.D
 Acq: 5 Jun 2019 18:26

Instrument :
 MSVOA_F
 ClientSampled :

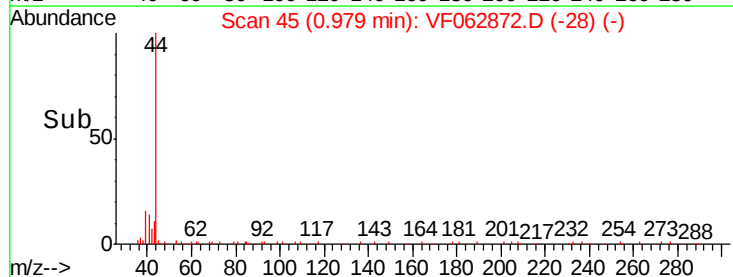
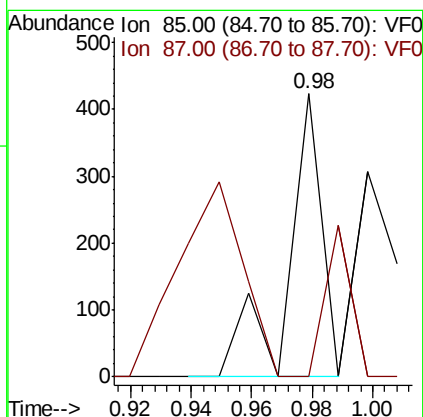
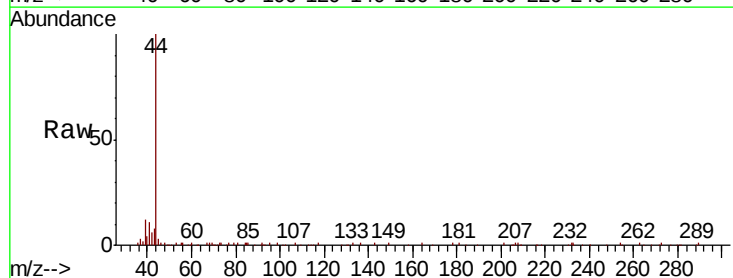
Tot Ion:168 Resp: 209373
 Ion Ratio Lower Upper
 168 100
 99 45.1 39.1 58.7

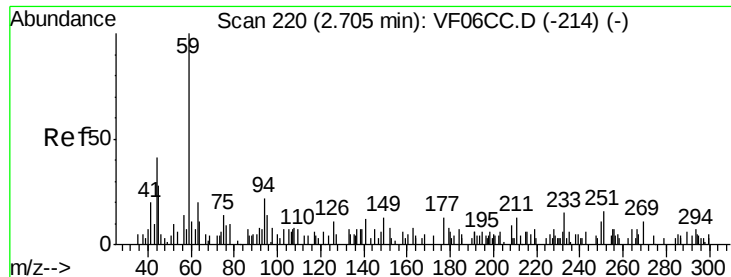


#2

Dichlorodifluoromethane
 Concen: Below Cal
 RT: 0.98 min Scan# 45
 Delta R.T. -0.03 min
 Lab File: VF062872.D
 Acq: 5 Jun 2019 18:26

Tgt Ion: 85 Resp: 324
 Ion Ratio Lower Upper
 85 100
 87 0.0 17.6 52.9#

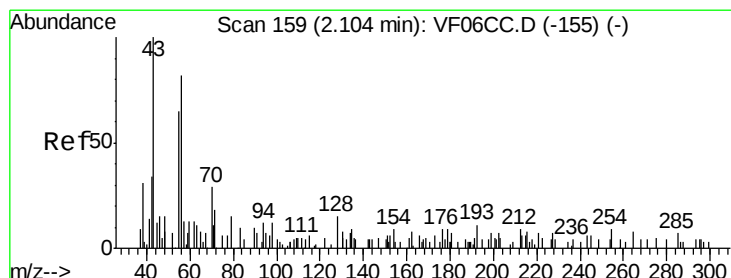
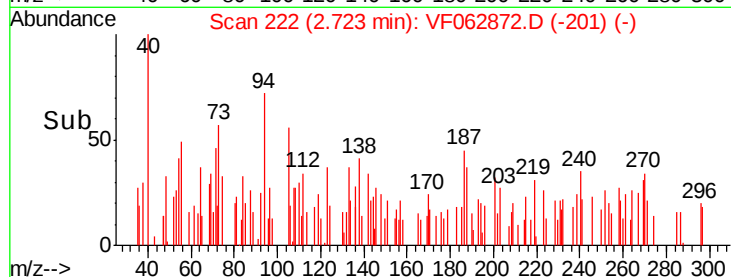
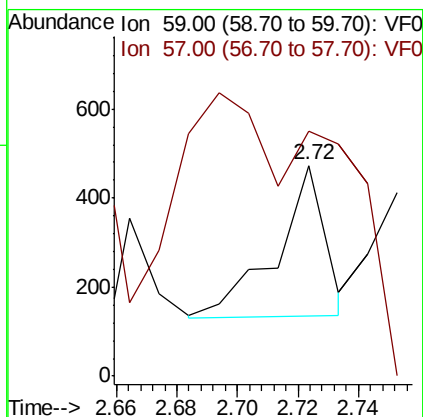
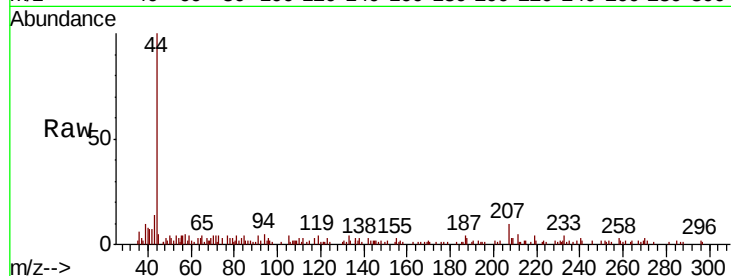




#11
Tert butvl alcohol
Concen: 4.287 ug/l
RT: 2.72 min Scan# 222
Delta R.T. 0.01 min
Lab File: VF062872.D
Acq: 5 Jun 2019 18:26

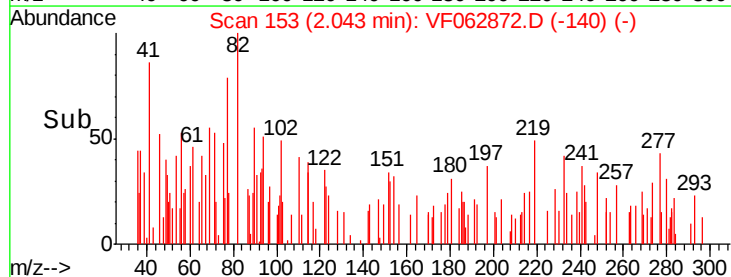
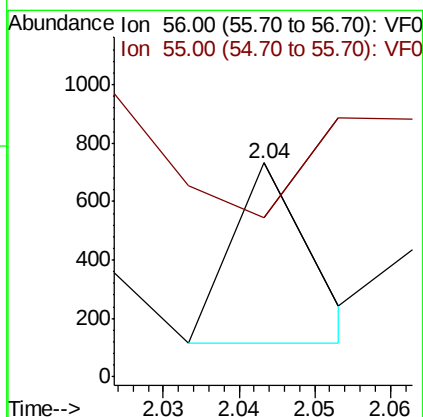
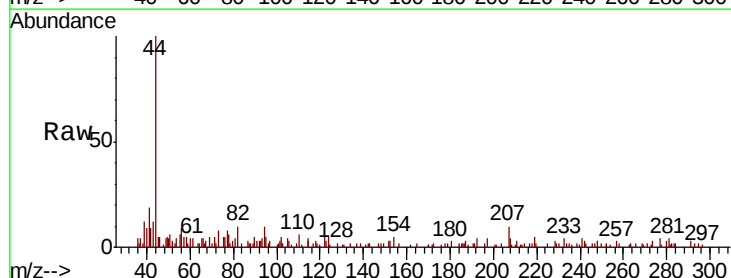
Instrument :
MSVOA_F
ClientSampled :

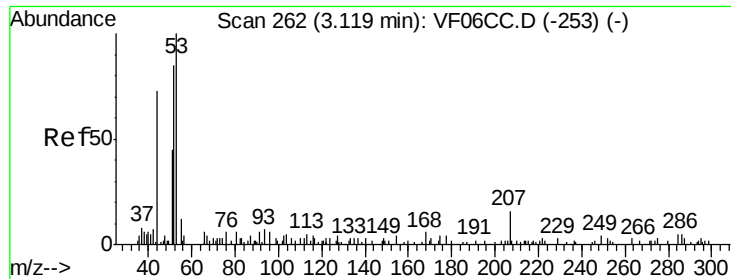
Tot Ion: 59 Resp: 376
Ion Ratio Lower Upper
59 100
57 115.8 9.2 13.8#



#13
Acrolein
Concen: 4.464 ug/l
RT: 2.04 min Scan# 153
Delta R.T. -0.07 min
Lab File: VF062872.D
Acq: 5 Jun 2019 18:26

Tgt Ion: 56 Resp: 438
Ion Ratio Lower Upper
56 100
55 74.3 52.9 79.3

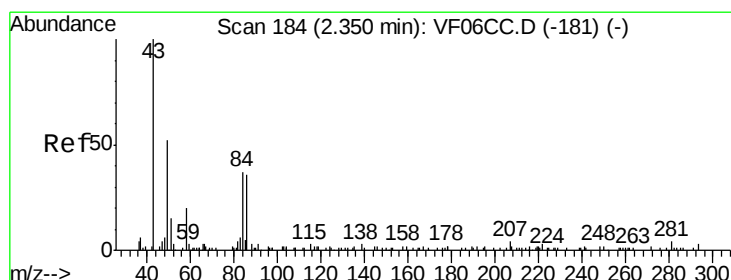
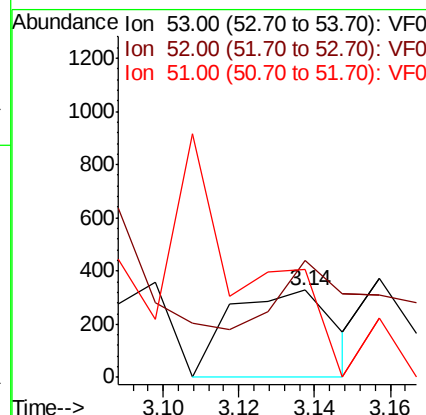
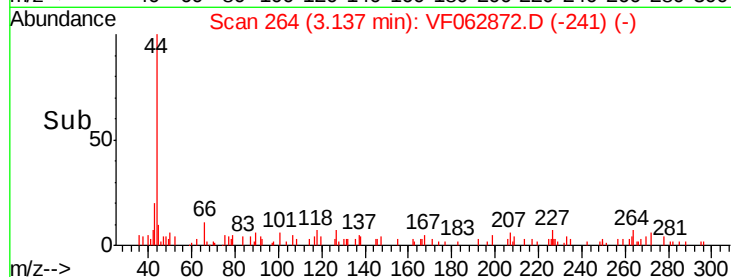
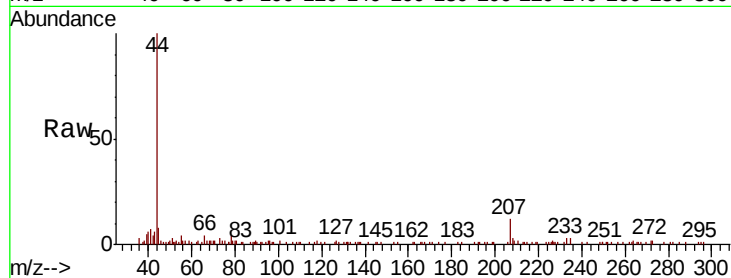




#15
 Acrylonitrile
 Concen: 1.899 ug/l
 RT: 3.14 min Scan# 264
 Delta R.T. 0.03 min
 Lab File: VF062872.D
 Acq: 5 Jun 2019 18:26

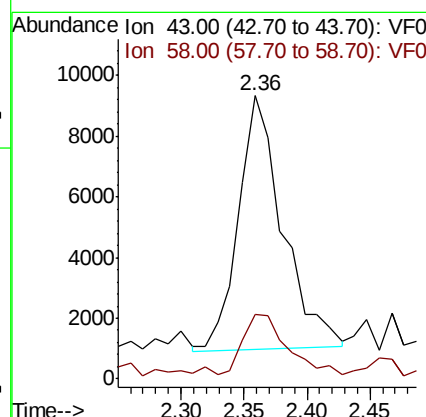
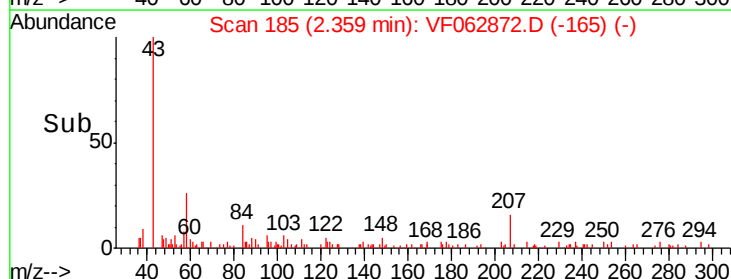
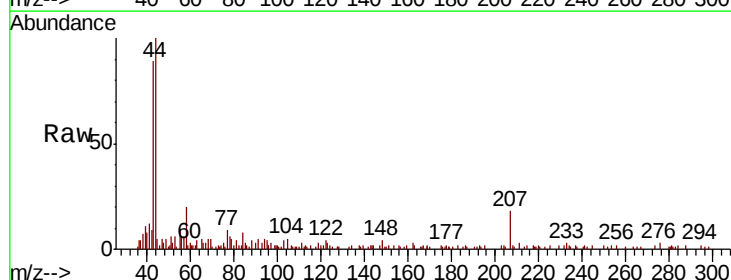
Instrument :
 MSVOA_F
 ClientSampled :

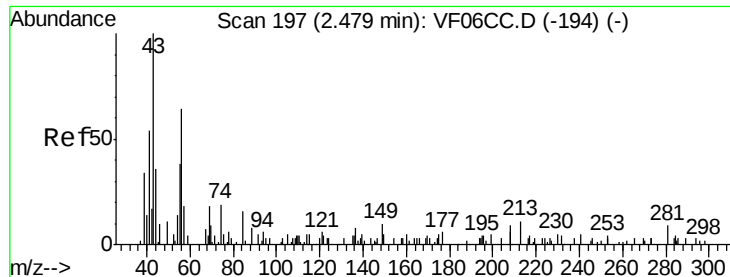
Tot Ion: 53 Resp: 626
 Ion Ratio Lower Upper
 53 100
 52 134.3 68.1 102.1#
 51 124.8 27.7 41.5#



#16
 Acetone
 Concen: 61.456 ug/l
 RT: 2.36 min Scan# 185
 Delta R.T. -0.00 min
 Lab File: VF062872.D
 Acq: 5 Jun 2019 18:26

Tgt Ion: 43 Resp: 20365
 Ion Ratio Lower Upper
 43 100
 58 22.8 19.0 28.4

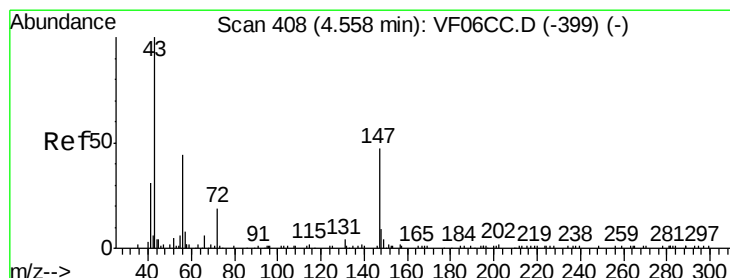
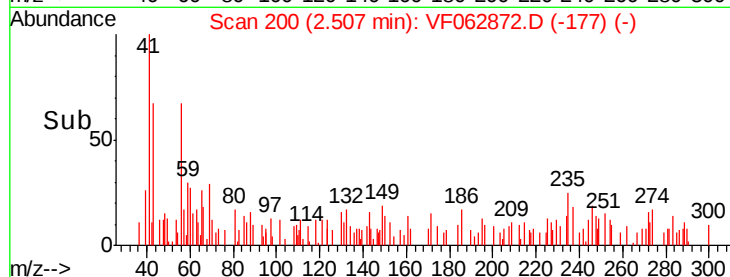
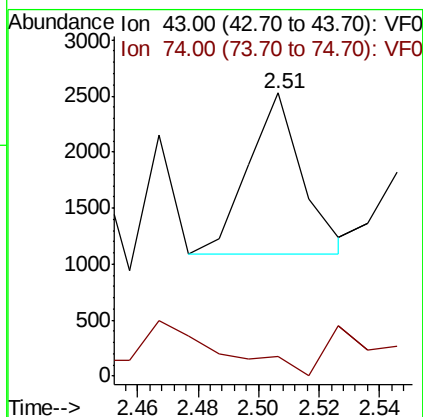
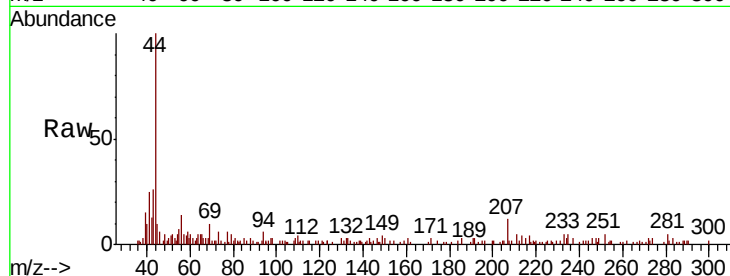




#18
Methvl Acetate
Concen: 3.058 ug/l
RT: 2.51 min Scan# 200
Delta R.T. 0.03 min
Lab File: VF062872.D
Acq: 5 Jun 2019 18:26

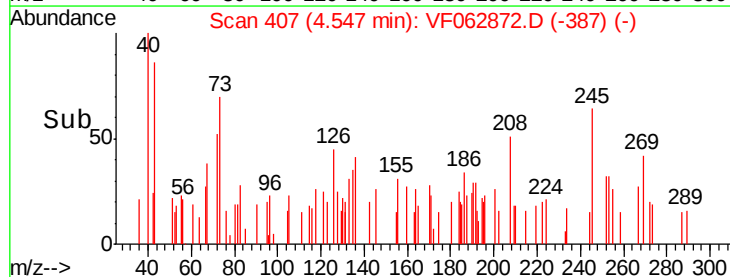
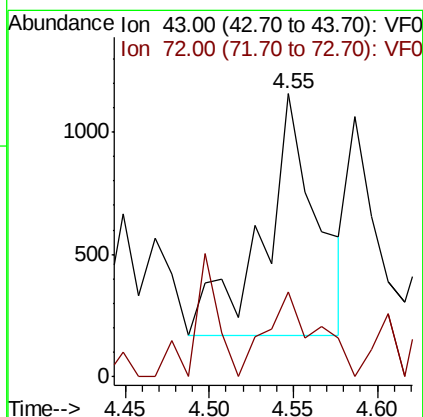
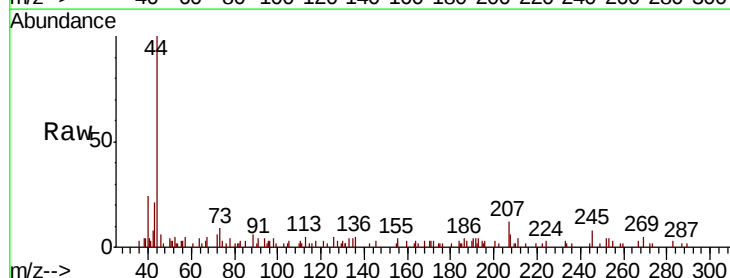
Instrument :
MSVOA_F
ClientSampled :

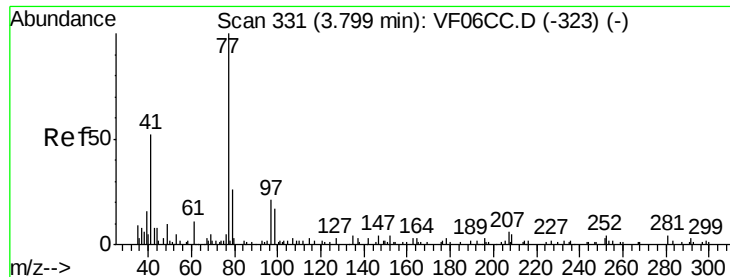
Tot Ion: 43 Resp: 1771
Ion Ratio Lower Upper
43 100
74 7.0 22.1 33.1#



#25
2-Butanone
Concen: 2.794 ug/l
RT: 4.55 min Scan# 407
Delta R.T. -0.00 min
Lab File: VF062872.D
Acq: 5 Jun 2019 18:26

Tgt Ion: 43 Resp: 2156
Ion Ratio Lower Upper
43 100
72 30.2 21.4 32.0





#26

2,2-Dichloropropane

Concen: 1.022 ug/l

RT: 3.87 min Scan# 338

Delta R.T. 0.07 min

Lab File: VF062872.D

Acq: 5 Jun 2019 18:26

Instrument :

MSVOA_F

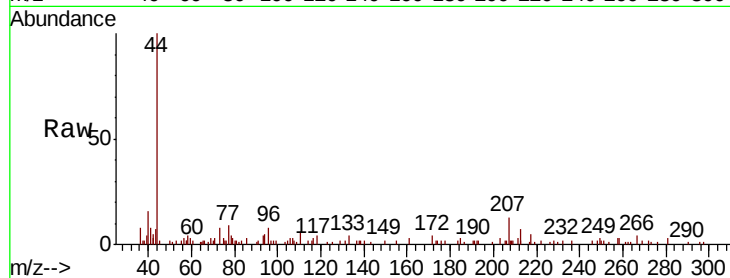
ClientSampled :

Tot Ion: 77 Resp: 1662

Ion Ratio Lower Upper

77 100

97 16.4 12.4 37.4



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

3.87

800

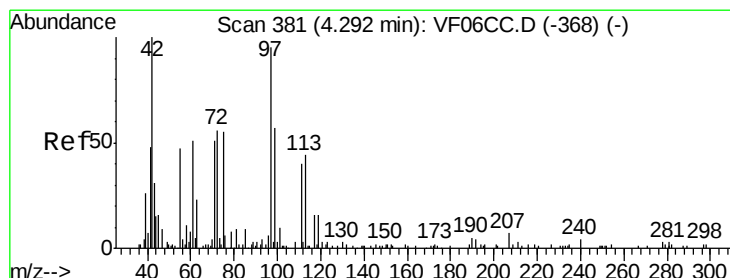
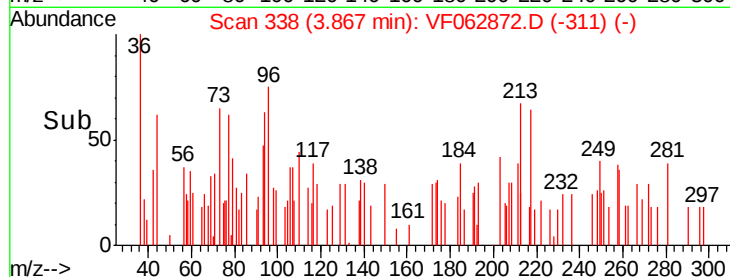
600

400

200

0

Time-->



#29

Tetrahydrofuran

Concen: 4.598 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.02 min

Lab File: VF062872.D

Acq: 5 Jun 2019 18:26

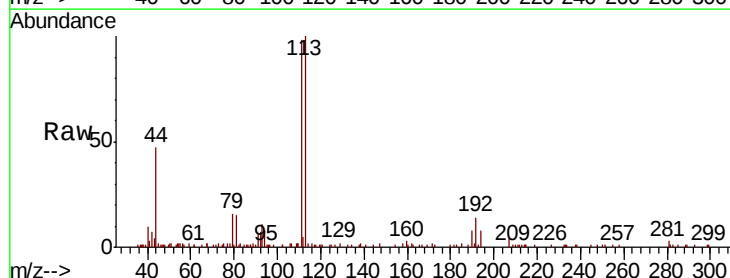
Tgt Ion: 42 Resp: 1357

Ion Ratio Lower Upper

42 100

72 20.5 39.0 58.6#

71 0.0 36.9 55.3#



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

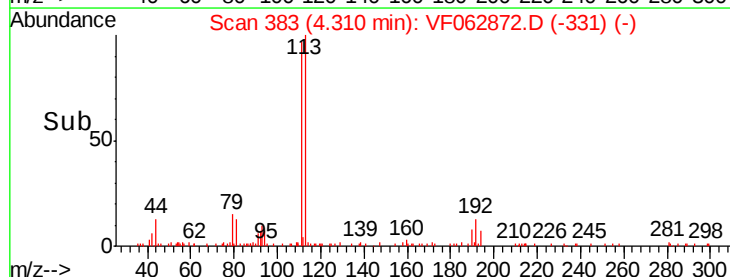
1500

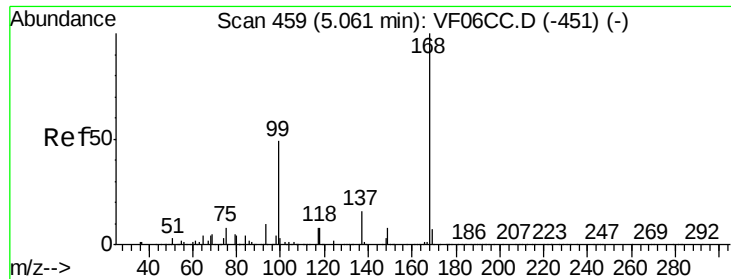
1000

500

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 29.505 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.01 min

Lab File: VF062872.D

Acq: 5 Jun 2019 18:26

Instrument :

MSVOA_F

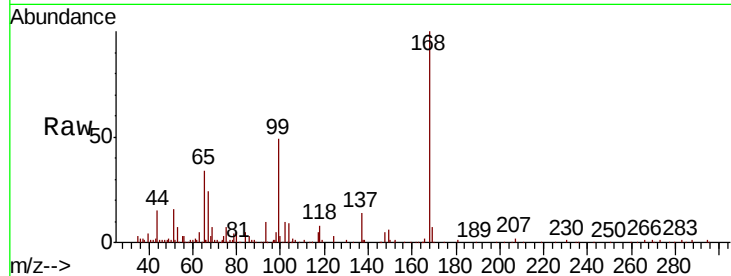
ClientSampleId :

Tot Ion: 65 Resp: 42718

Ion Ratio Lower Upper

65 100

67 69.1 0.0 121.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

15000

10000

5000

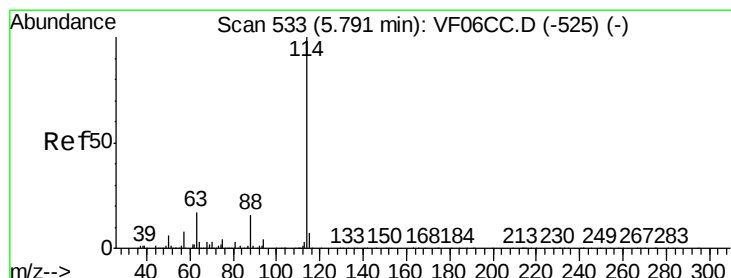
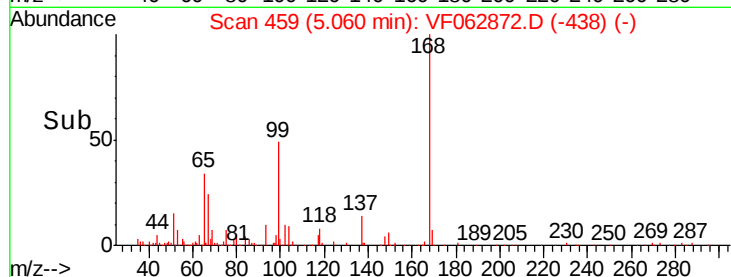
0

5.06

5.10

5.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.80 min Scan# 534

Delta R.T. -0.00 min

Lab File: VF062872.D

Acq: 5 Jun 2019 18:26

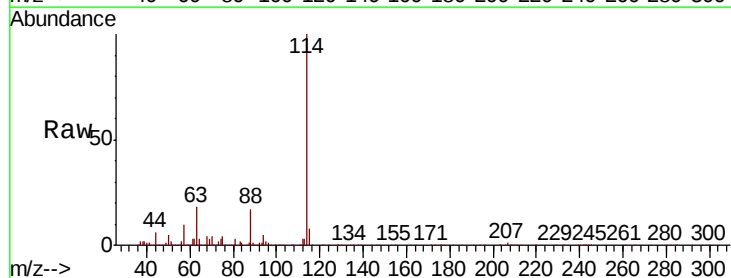
Tgt Ion: 114 Resp: 315080

Ion Ratio Lower Upper

114 100

63 18.4 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

150000

100000

50000

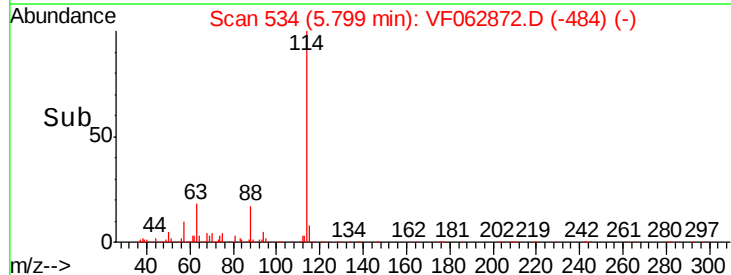
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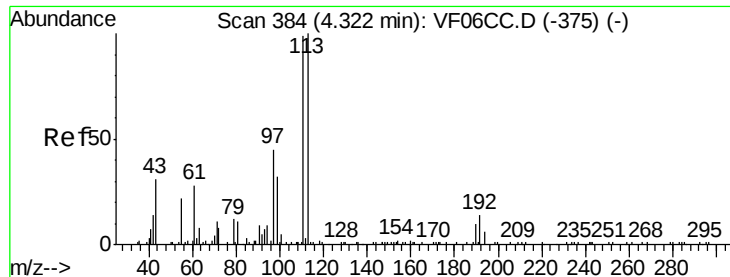
5.80

5.90

6.00

Time-->





#35

Dibromofluoromethane

Concen: 39.015 ug/l

RT: 4.34 min Scan# 386

Delta R.T. 0.01 min

Lab File: VF062872.D

Acq: 5 Jun 2019 18:26

Instrument :
MSVOA_F
ClientSampleId :

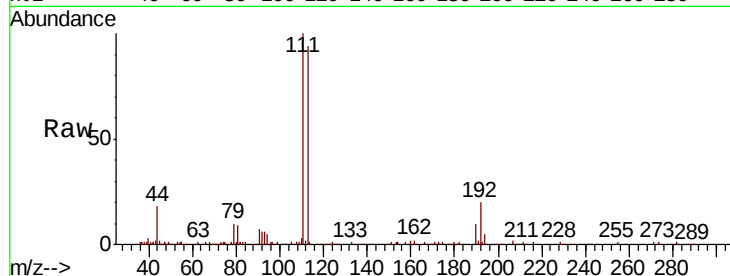
Tot Ion:113 Resp: 92890

Ion Ratio Lower Upper

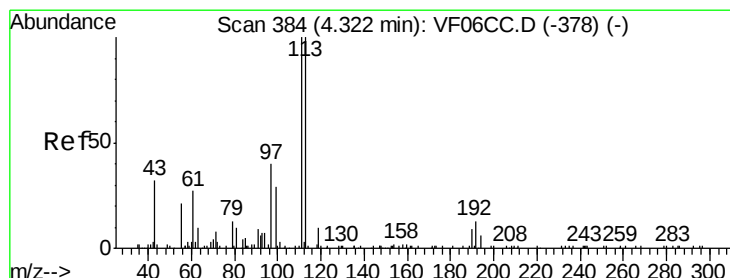
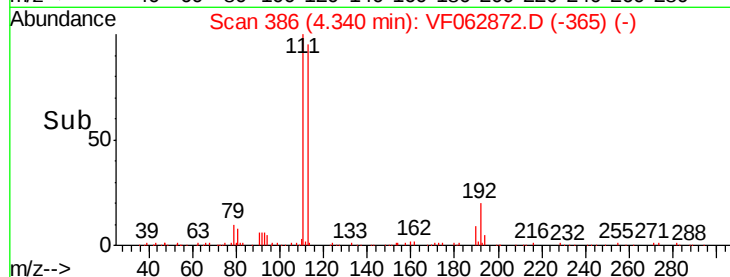
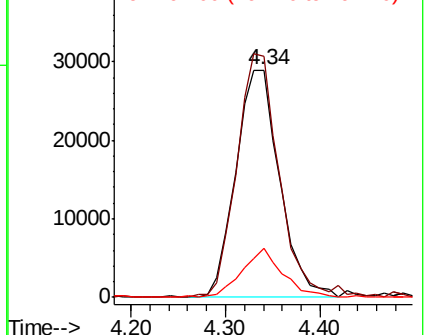
113 100

111 106.1 81.9 122.9

192 21.5 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



#37

Ethyl Acetate

Concen: 1.054 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.03 min

Lab File: VF062872.D

Acq: 5 Jun 2019 18:26

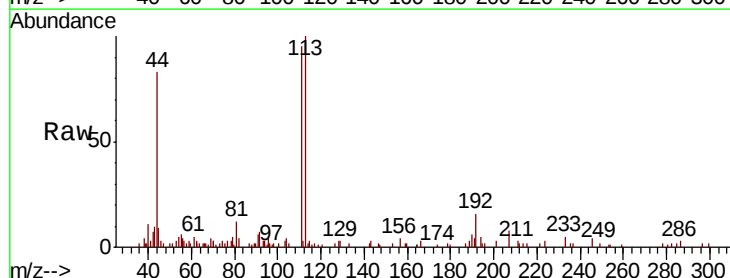
Tgt Ion: 43 Resp: 1169

Ion Ratio Lower Upper

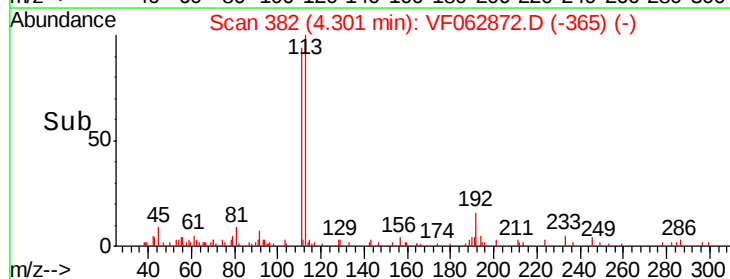
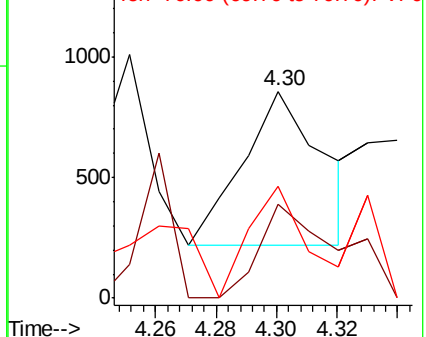
43 100

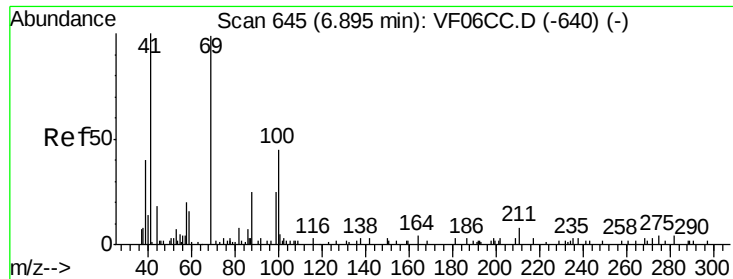
61 45.3 59.1 88.7#

70 54.2 10.1 15.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

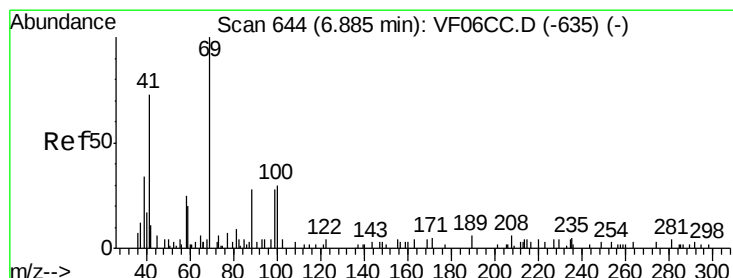
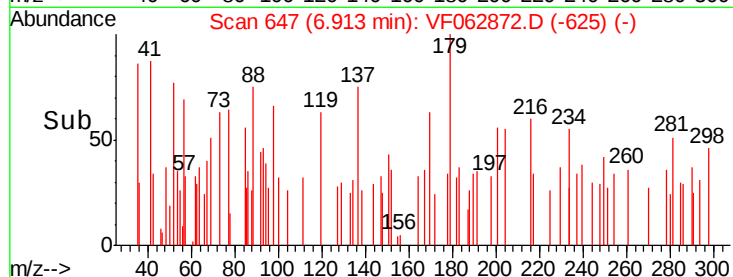
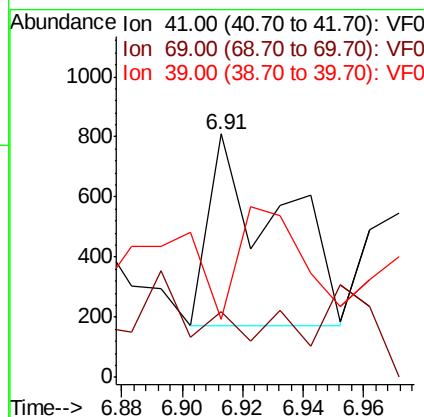
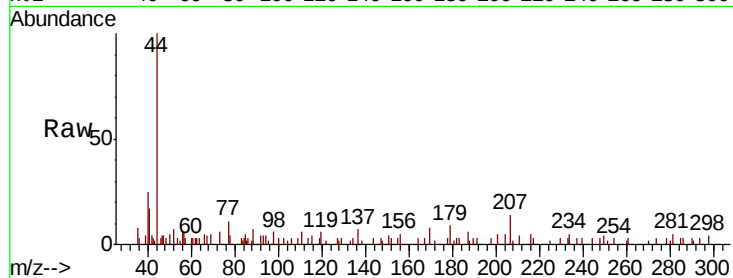




#48
Methvl methacrylate
Concen: 1.372 ug/l
RT: 6.91 min Scan# 647
Delta R.T. 0.02 min
Lab File: VF062872.D
Acq: 5 Jun 2019 18:26

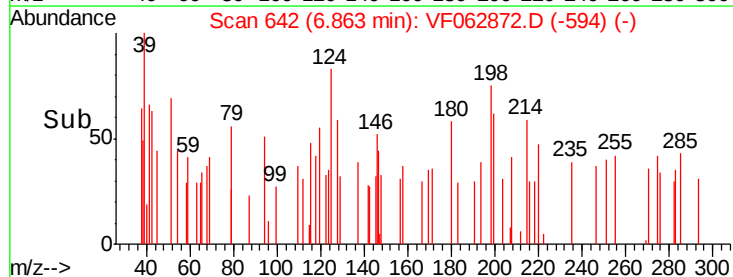
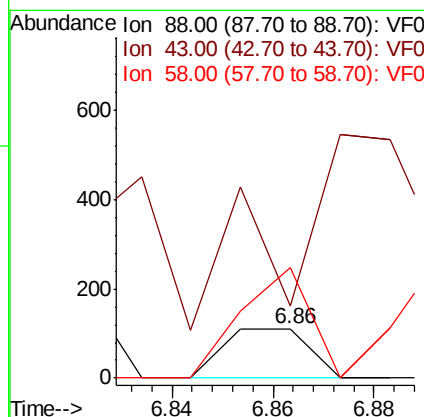
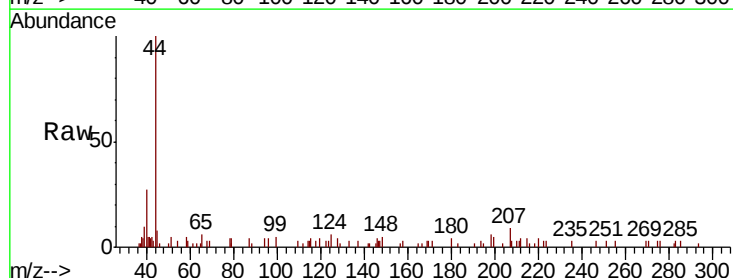
Instrument :
MSVOA_F
ClientSampleId :

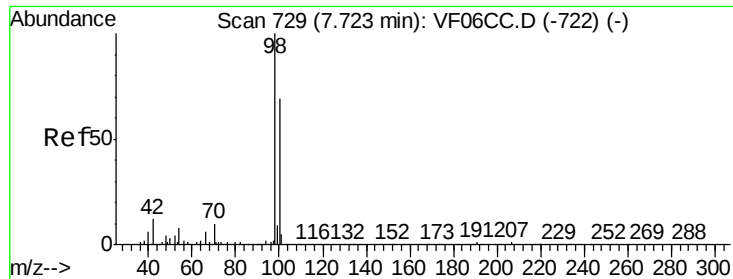
Tot Ion: 41 Resp: 1036
Ion Ratio Lower Upper
41 100
69 26.9 79.4 119.2#
39 23.8 39.8 59.6#



#49
1,4-Dioxane
Concen: 13.065 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.02 min
Lab File: VF062872.D
Acq: 5 Jun 2019 18:26

Tgt Ion: 88 Resp: 130
Ion Ratio Lower Upper
88 100
43 145.9 34.8 52.2#
58 222.5 59.9 89.9#

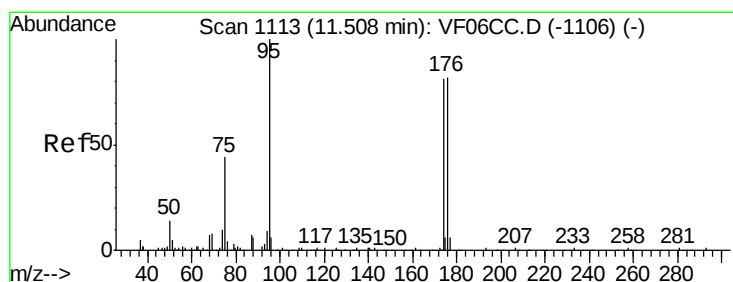
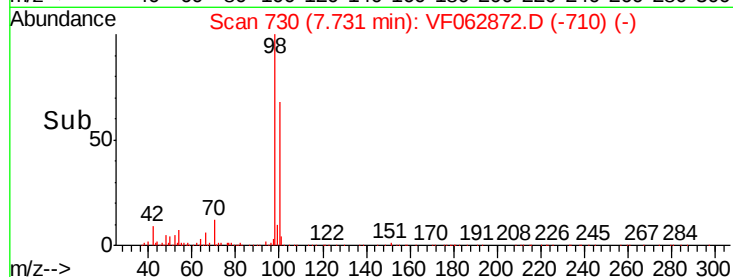
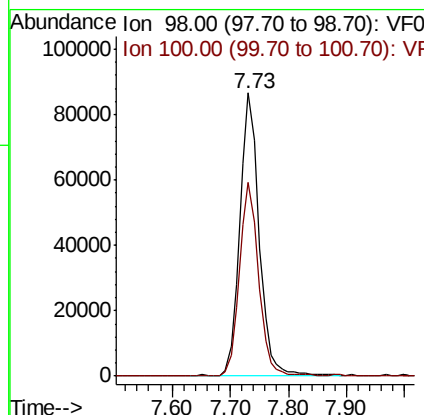
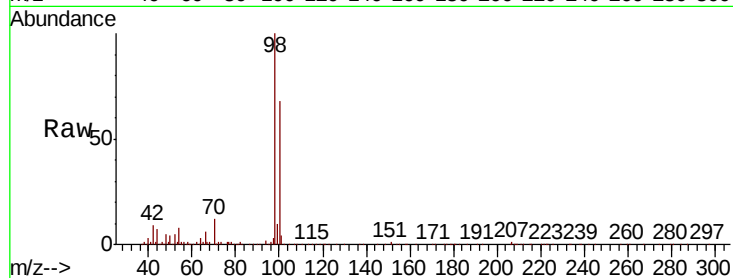




#50
Toluene-d8
Concen: 33.418 ug/l
RT: 7.73 min Scan# 730
Delta R.T. -0.00 min
Lab File: VF062872.D
Acq: 5 Jun 2019 18:26

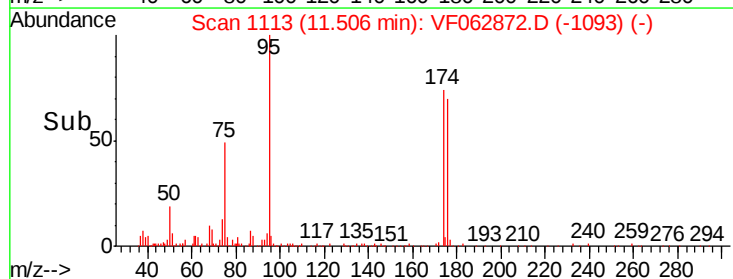
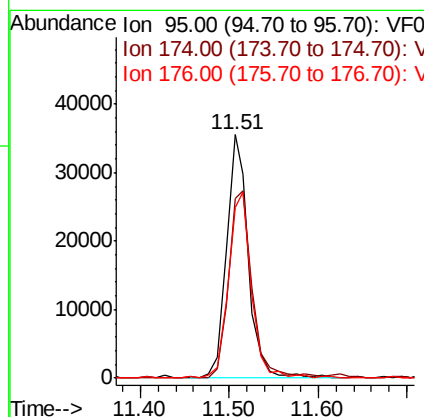
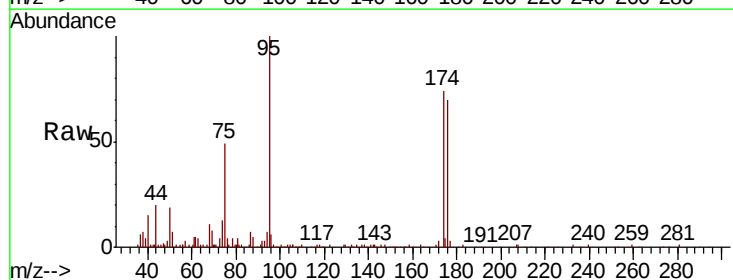
Instrument :
MSVOA_F
ClientSampleId :

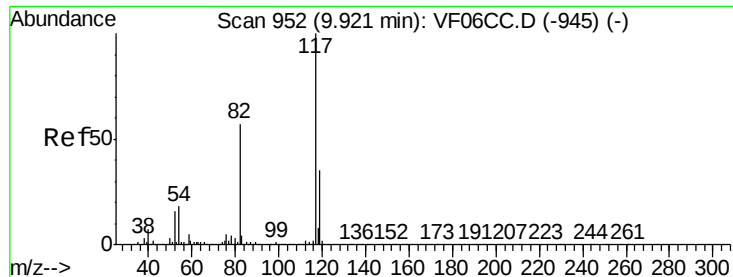
Tot Ion: 98 Resp: 201205
Ion Ratio Lower Upper
98 100
100 68.4 59.8 89.8



#62
4-Bromofluorobenzene
Concen: 28.459 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VF062872.D
Acq: 5 Jun 2019 18:26

Tgt Ion: 95 Resp: 61635
Ion Ratio Lower Upper
95 100
174 73.7 0.0 170.6
176 70.1 0.0 170.6

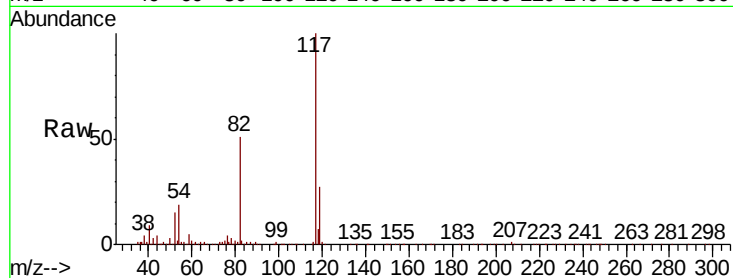




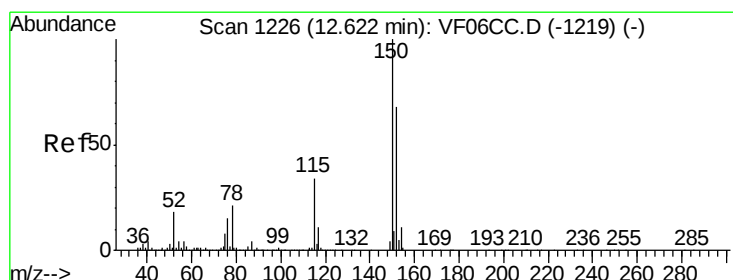
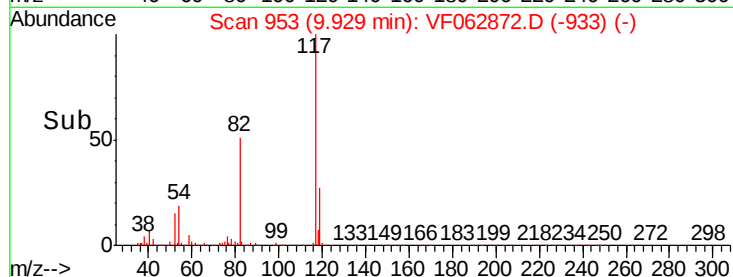
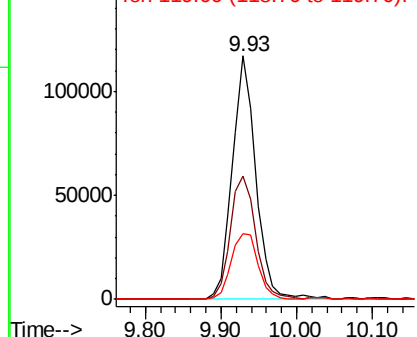
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.00 min
Lab File: VF062872.D
Acq: 5 Jun 2019 18:26

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 251389
Ion Ratio Lower Upper
117 100
82 50.8 42.4 63.6
119 27.0 27.1 40.7#

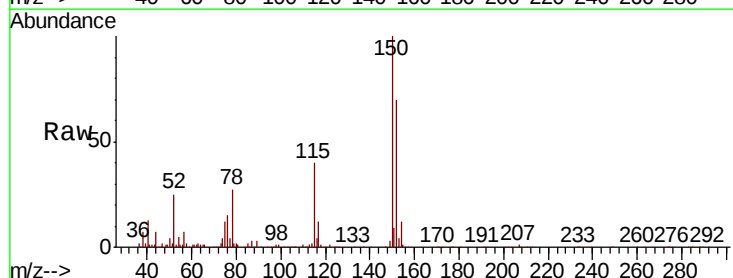


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

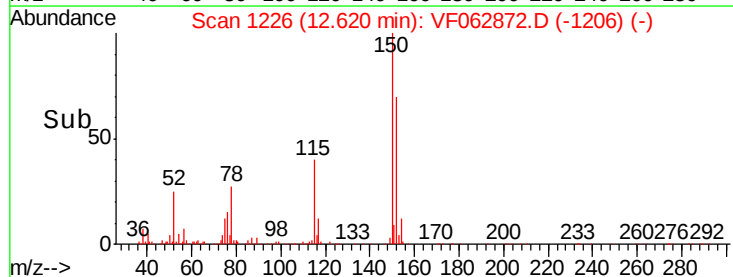
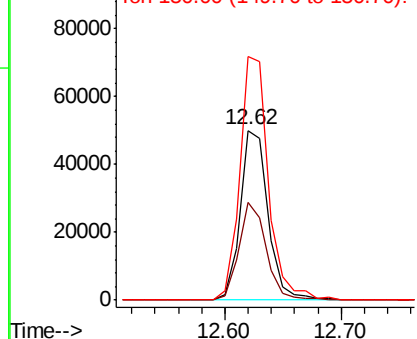


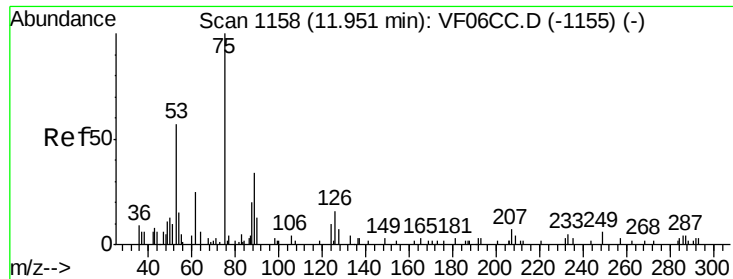
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. -0.00 min
Lab File: VF062872.D
Acq: 5 Jun 2019 18:26

Tgt Ion:152 Resp: 82740
Ion Ratio Lower Upper
152 100
115 57.3 24.6 74.0
150 143.6 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

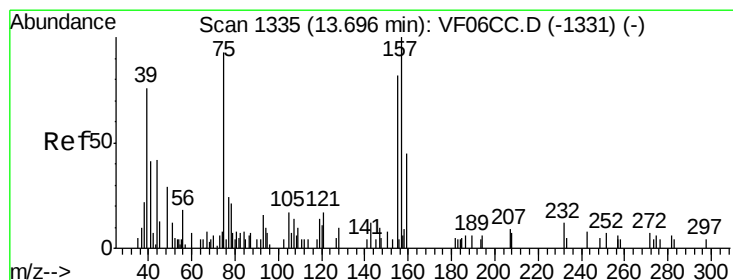
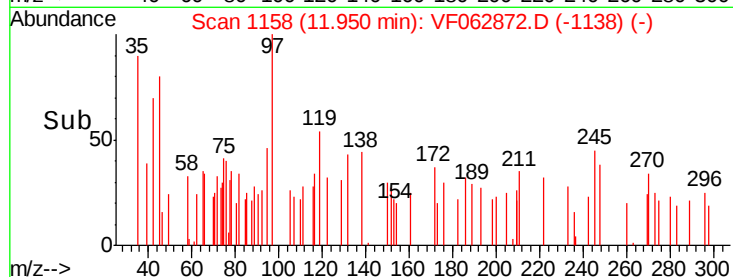
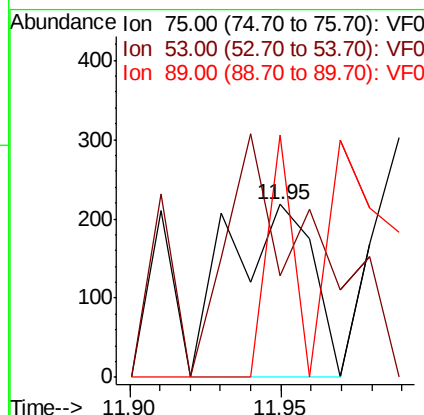
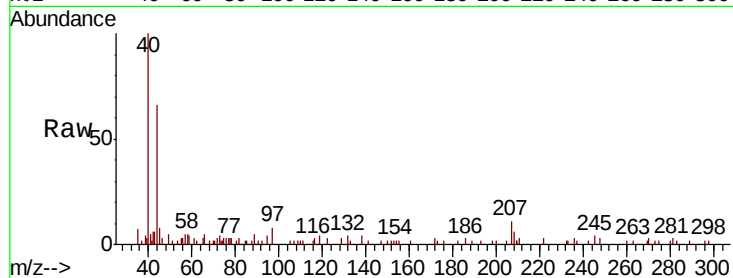




#81
trans-1,4-Dichloro-2-butene
Concen: 1.231 ug/l
RT: 11.95 min Scan# 1158
Delta R.T. -0.00 min
Lab File: VF062872.D
Acq: 5 Jun 2019 18:26

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 75 Resp: 426
Ion Ratio Lower Upper
75 100
53 59.2 43.5 65.3
89 139.9 34.3 51.5#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.516 ug/l
RT: 13.69 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VF062872.D
Acq: 5 Jun 2019 18:26

Tgt Ion: 75 Resp: 338
Ion Ratio Lower Upper
75 100
155 34.1 51.7 155.1#
157 0.0 66.8 200.6#

