

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032219\
 Data File : VF062097.D
 Acq On : 23 Mar 2019 00:34
 Operator : VA/AP
 Sample : K2050-02
 Misc : 3.02g/5mL/MSVOA-F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CS-4

Quant Time: Mar 23 06:32:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.90	168	64056	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.62	114	81479	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	39692	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	9454	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.87	65	12586	26.42	ug/l	0.00
Spiked Amount			Recovery	=	52.84%	
35) Dibromofluoromethane	4.14	113	23562	42.75	ug/l	0.00
Spiked Amount			Recovery	=	85.50%	
50) Toluene-d8	7.57	98	64891	39.44	ug/l	-0.02
Spiked Amount			Recovery	=	78.88%	
62) 4-Bromofluorobenzene	11.43	95	12889	20.29	ug/l	0.00
Spiked Amount			Recovery	=	40.58%	

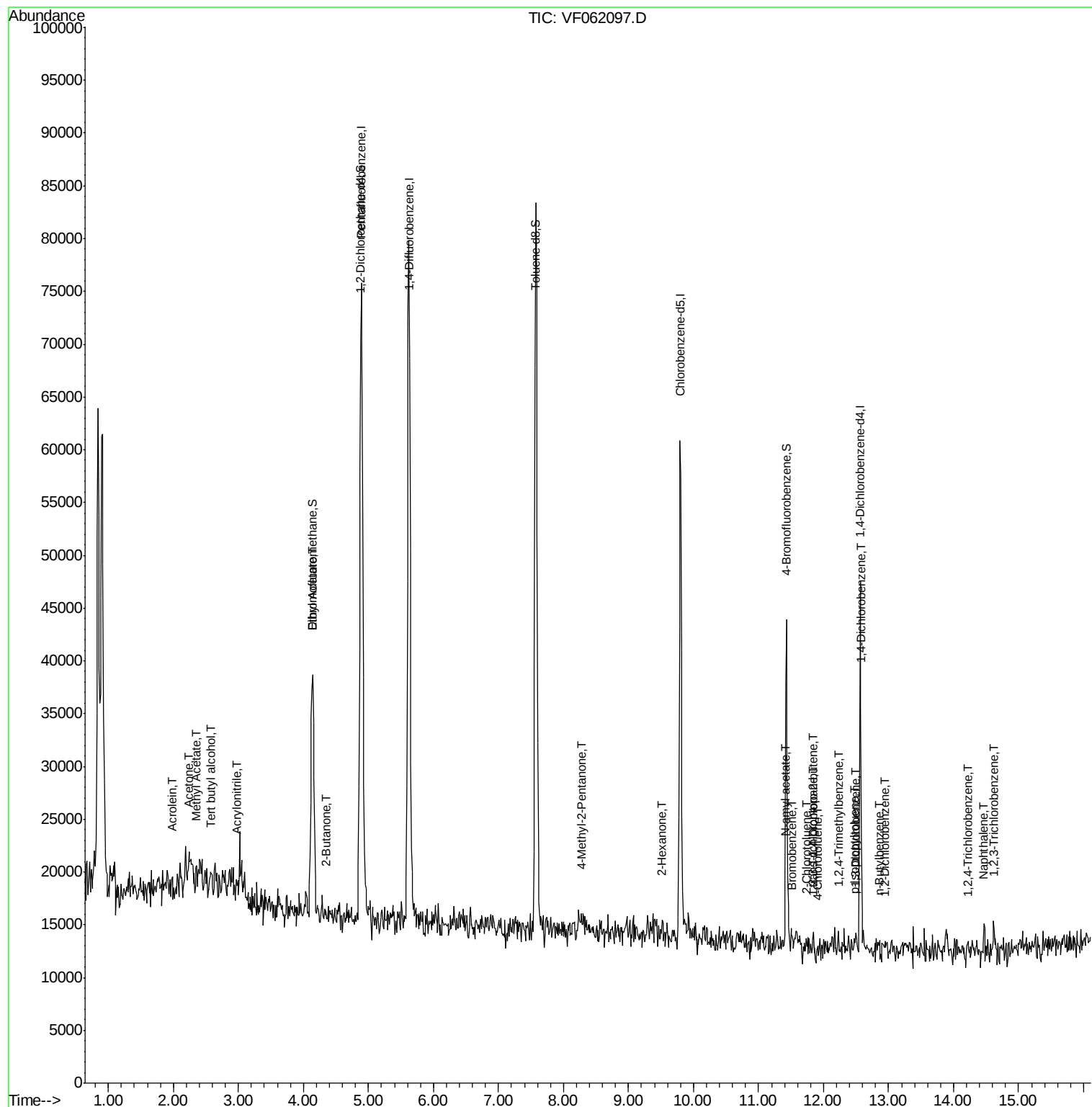
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.58	59	63	2.403	ug/l #	66
13) Acrolein	1.97	56	210	6.662	ug/l	87
15) Acrylonitrile	2.96	53	209	2.267	ug/l #	81
16) Acetone	2.24	43	1064	10.611	ug/l	95
18) Methyl Acetate	2.35	43	492	2.057	ug/l #	89
20) Methylene Chloride	2.20	84	1058	Below Cal	#	78
25) 2-Butanone	4.35	43	1121	5.355	ug/l #	55
37) Ethyl Acetate	4.14	43	406	1.197	ug/l #	24
51) 4-Methyl-2-Pentanone	8.27	43	1387	5.045	ug/l #	33
59) 2-Hexanone	9.53	43	1077	5.345	ug/l #	53
74) N-amyl acetate	11.40	43	792	4.996	ug/l #	78
76) 1,2,3-Trichloropropane	11.82	75	88	1.095	ug/l #	39
77) Bromobenzene	11.52	156	188	1.157	ug/l	53
79) 2-Chlorotoluene	11.73	91	595	1.386	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.85	75	64	1.954	ug/l #	23
82) 4-Chlorotoluene	11.91	91	449	1.020	ug/l #	40
84) 1,2,4-Trimethylbenzene	12.22	105	756	1.409	ug/l	75
86) p-Isopropyltoluene	12.48	119	660	1.028	ug/l #	80
87) 1,3-Dichlorobenzene	12.49	146	366	1.212	ug/l #	38
88) 1,4-Dichlorobenzene	12.58	146	487	1.653	ug/l #	69
89) n-Butylbenzene	12.86	91	976	1.593	ug/l	80
91) 1,2-Dichlorobenzene	12.96	146	385	1.358	ug/l	83
93) 1,2,4-Trichlorobenzene	14.22	180	513	2.596	ug/l #	62
95) Naphthalene	14.48	128	1880	5.429	ug/l #	94
96) 1,2,3-Trichlorobenzene	14.62	180	487	2.633	ug/l	83

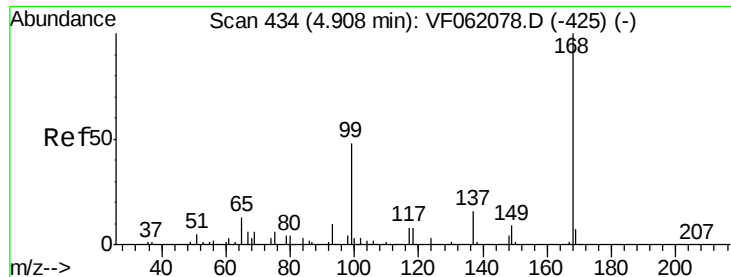
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF032219\
Data File : VF062097.D
Acq On : 23 Mar 2019 00:34
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Sample : K2050-02
Misc : 3.02g/5mL/MSVOA-F/SOIL
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
CS-4

Quant Time: Mar 23 06:32:47 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 23 01:16:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.90 min Scan# 433

Delta R.T. -0.01 min

Lab File: VF062097.D

Acq: 23 Mar 2019 00:34

Instrument :

MSVOA_F

ClientSampleId :

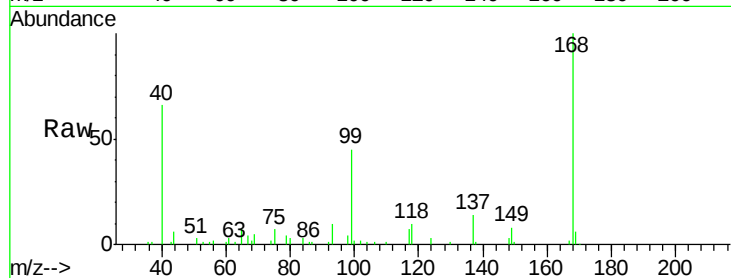
CS-4

Tot Ion:168 Resp: 64056

Ion Ratio Lower Upper

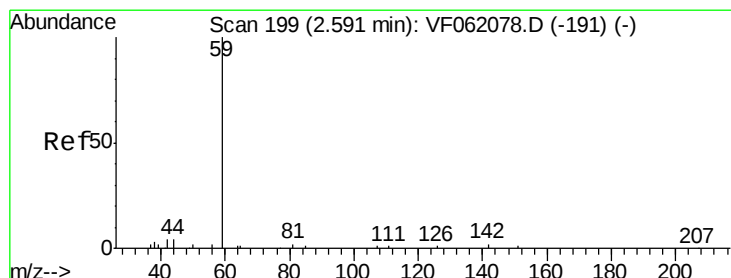
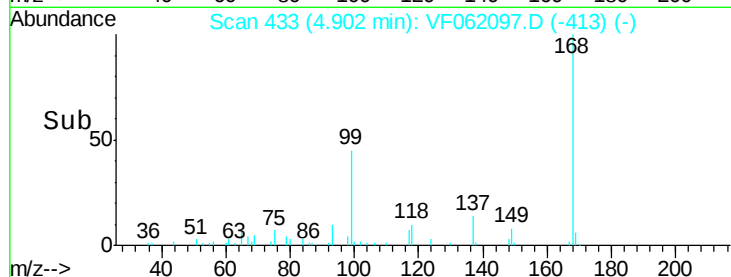
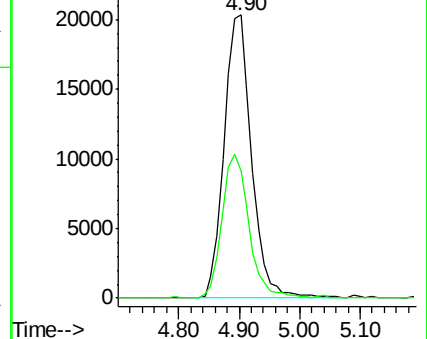
168 100

99 45.0 38.2 57.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#11

Tert butyl alcohol

Concen: 2.403 ug/l

RT: 2.58 min Scan# 197

Delta R.T. -0.02 min

Lab File: VF062097.D

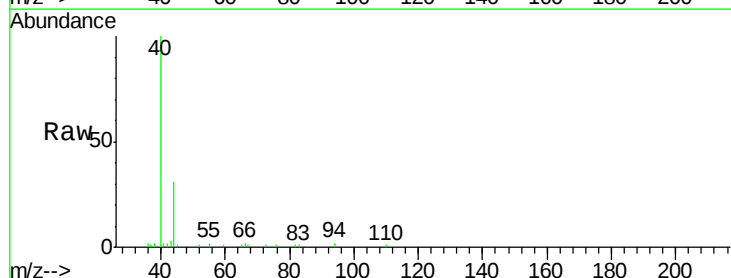
Acq: 23 Mar 2019 00:34

Tgt Ion: 59 Resp: 63

Ion Ratio Lower Upper

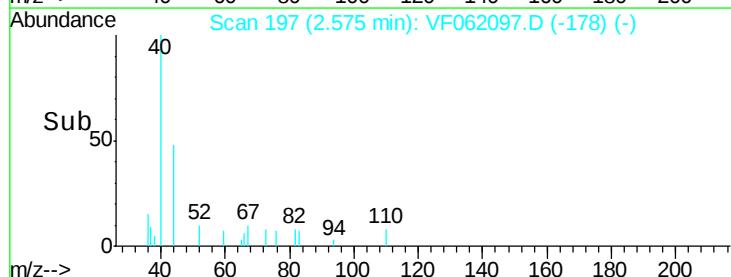
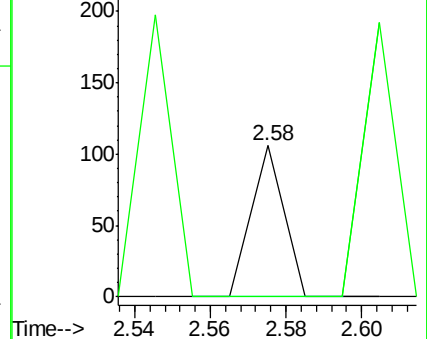
59 100

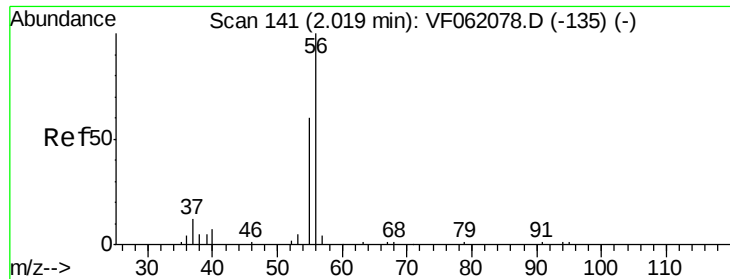
57 0.0 11.0 16.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

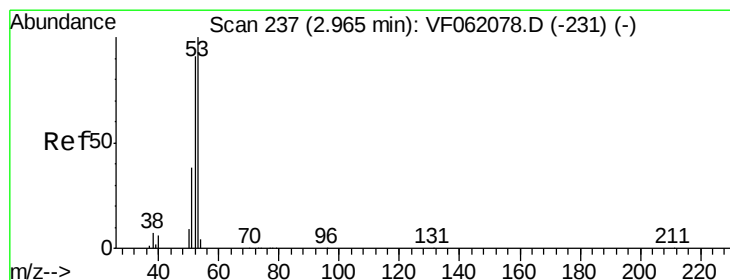
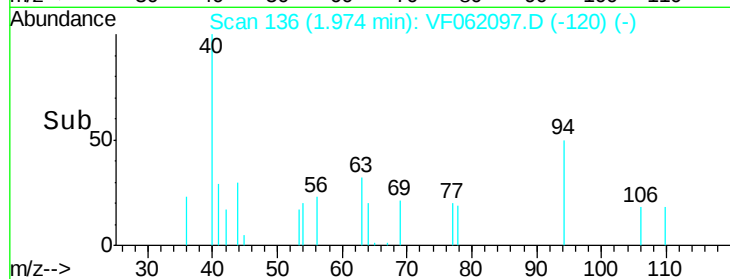
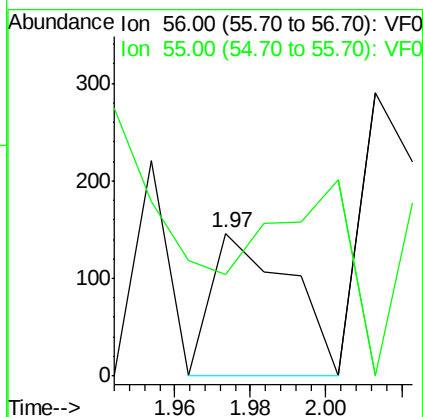
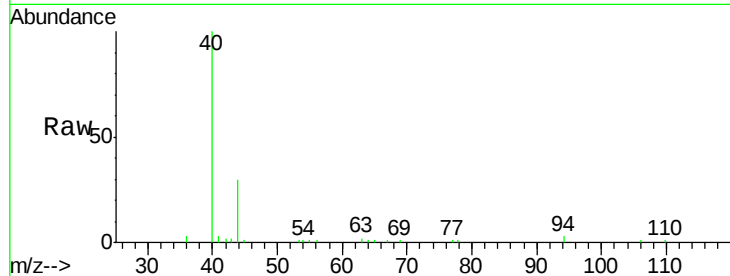




#13
Acrolein
Concen: 6.662 ug/l
RT: 1.97 min Scan# 136
Delta R.T. -0.05 min
Lab File: VF062097.D
Acq: 23 Mar 2019 00:34

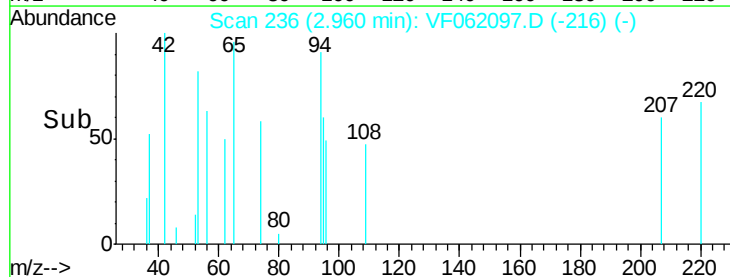
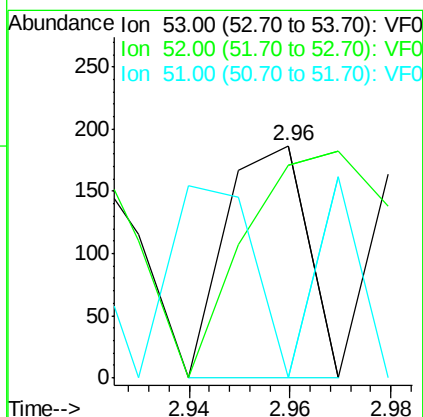
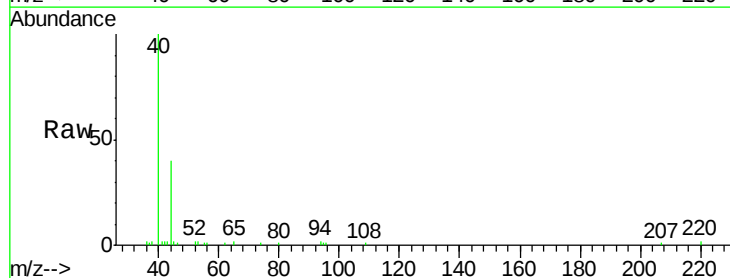
Instrument :
MSVOA_F
ClientSampleId :
CS-4

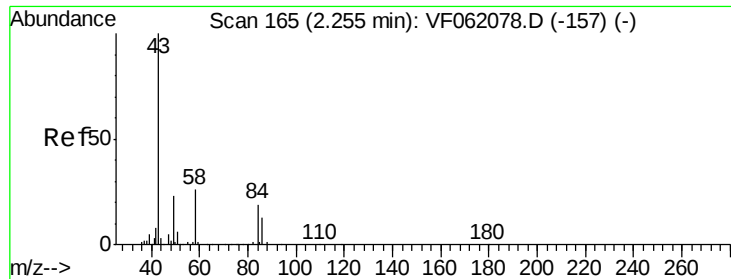
Tot Ion: 56 Resp: 210
Ion Ratio Lower Upper
56 100
55 71.2 49.0 73.4



#15
Acrylonitrile
Concen: 2.267 ug/l
RT: 2.96 min Scan# 236
Delta R.T. -0.01 min
Lab File: VF062097.D
Acq: 23 Mar 2019 00:34

Tgt Ion: 53 Resp: 209
Ion Ratio Lower Upper
53 100
52 91.4 72.3 108.5
51 0.0 30.4 45.6#





#16

Acetone

Concen: 10.611 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.02 min

Lab File: VF062097.D

Acq: 23 Mar 2019 00:34

Instrument :

MSVOA_F

ClientSampleId :

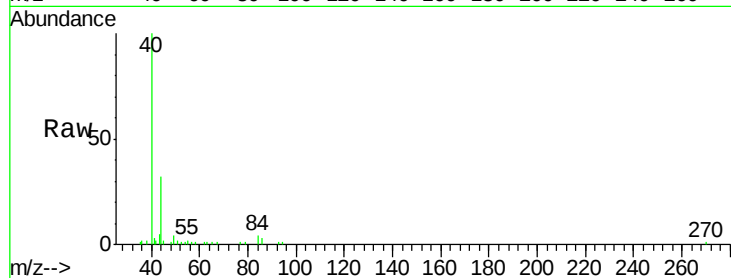
CS-4

Tot Ion: 43 Resp: 1064

Ion Ratio Lower Upper

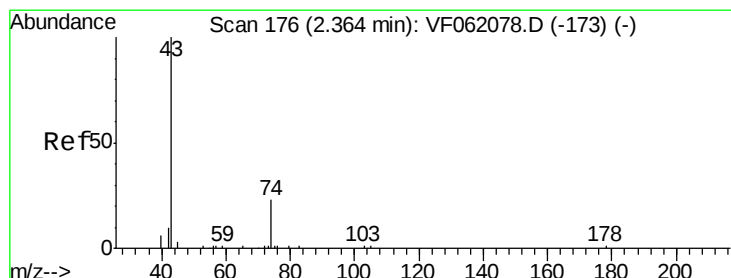
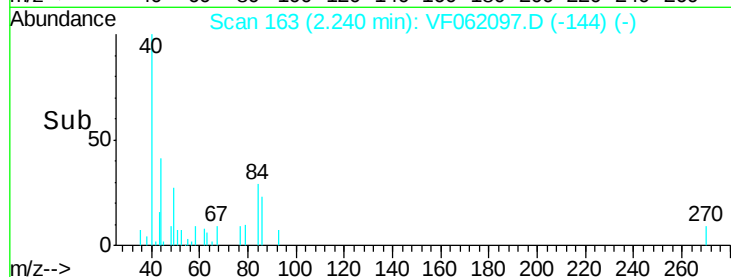
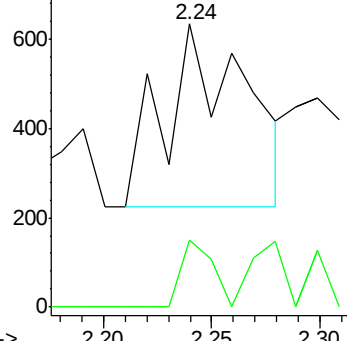
43 100

58 23.7 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#18

Methyl Acetate

Concen: 2.057 ug/l

RT: 2.35 min Scan# 174

Delta R.T. -0.01 min

Lab File: VF062097.D

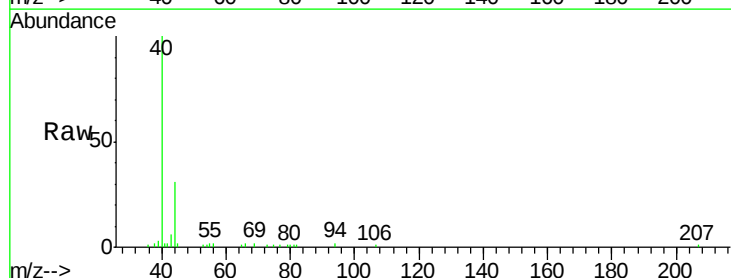
Acq: 23 Mar 2019 00:34

Tgt Ion: 43 Resp: 492

Ion Ratio Lower Upper

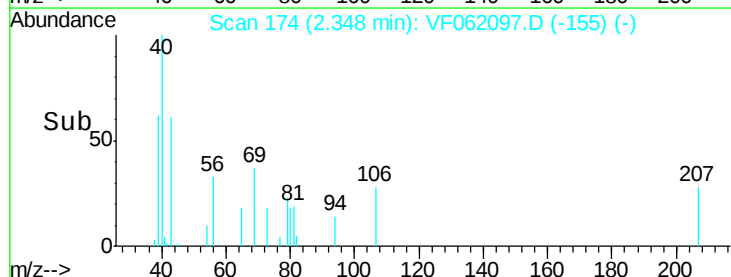
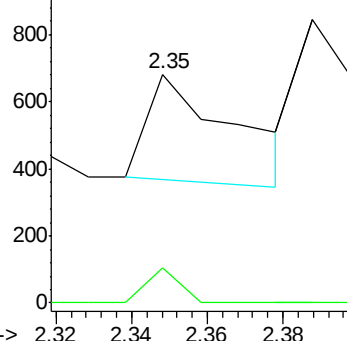
43 100

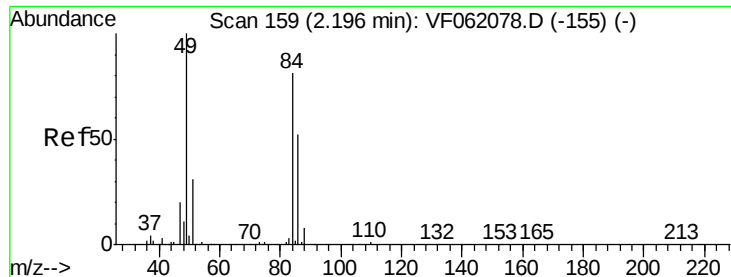
74 15.2 16.3 24.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

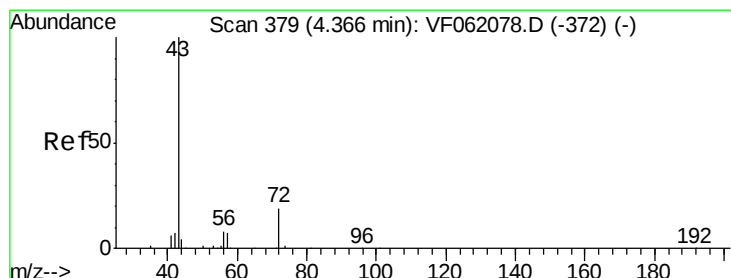
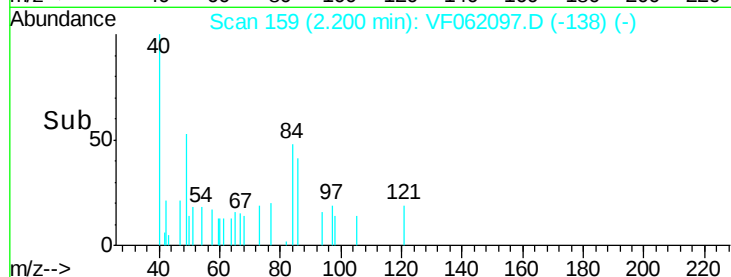
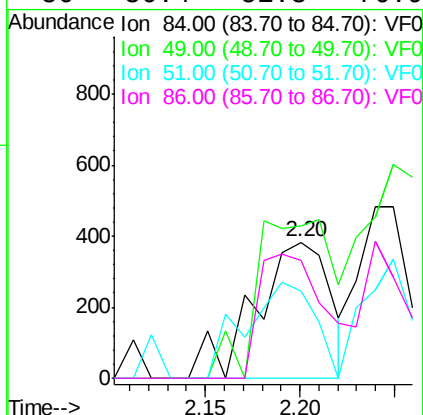
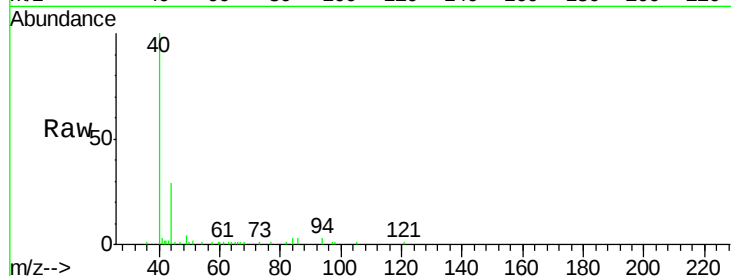




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.20 min Scan# 159
Delta R.T. 0.00 min
Lab File: VF062097.D
Acq: 23 Mar 2019 00:34

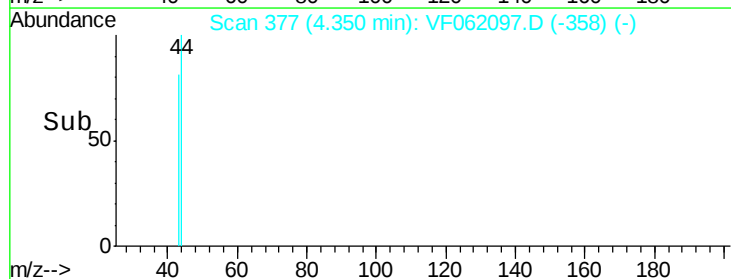
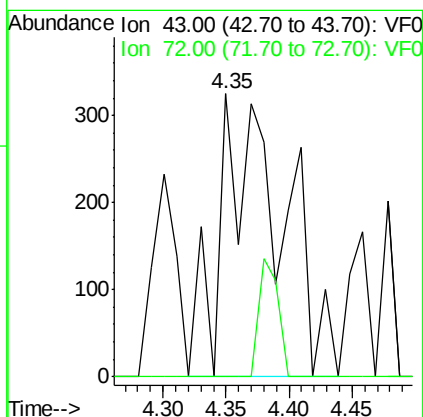
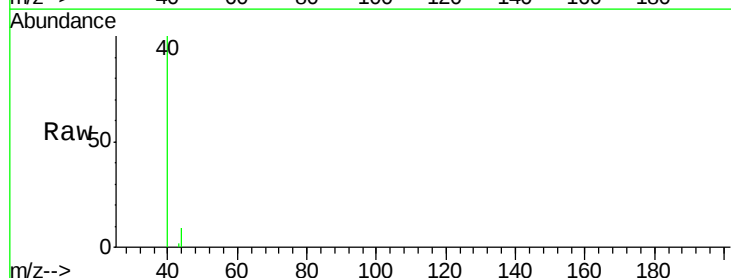
Instrument :
MSVOA_F
ClientSampled :
CS-4

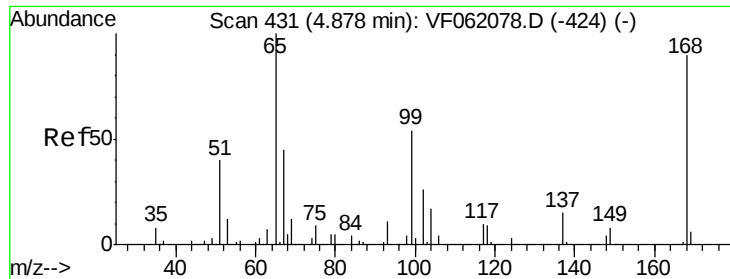
Tot Ion: 84 Resp: 1058
Ion Ratio Lower Upper
84 100
49 112.0 100.4 150.6
51 64.2 31.0 46.6#
86 86.4 51.3 76.9#



#25
2-Butanone
Concen: 5.355 ug/l
RT: 4.35 min Scan# 377
Delta R.T. -0.02 min
Lab File: VF062097.D
Acq: 23 Mar 2019 00:34

Tgt Ion: 43 Resp: 1121
Ion Ratio Lower Upper
43 100
72 0.0 16.7 25.1#

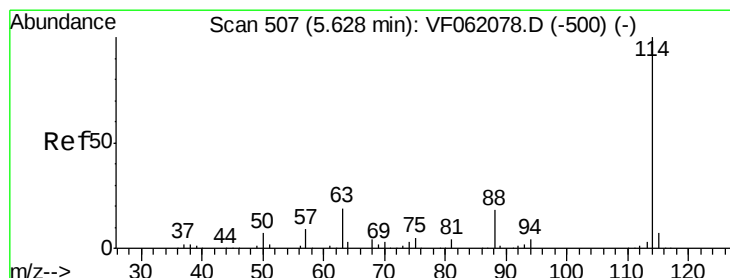
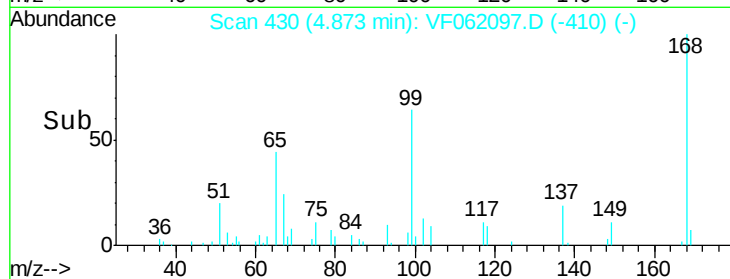
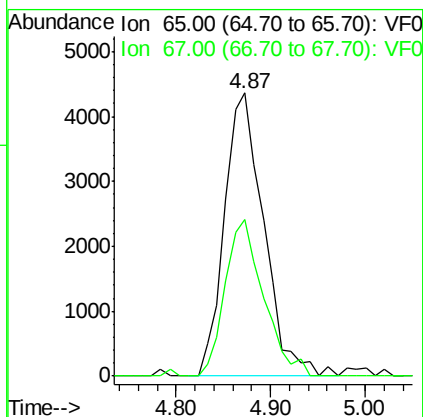
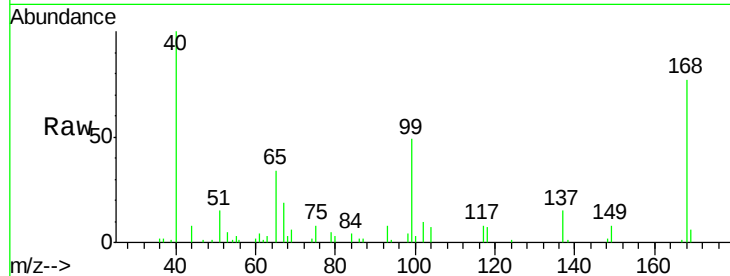




#33
 1,2-Dichloroethane-d4
 Concen: 26.416 ug/l
 RT: 4.87 min Scan# 430
 Delta R.T. -0.01 min
 Lab File: VF062097.D
 Acq: 23 Mar 2019 00:34

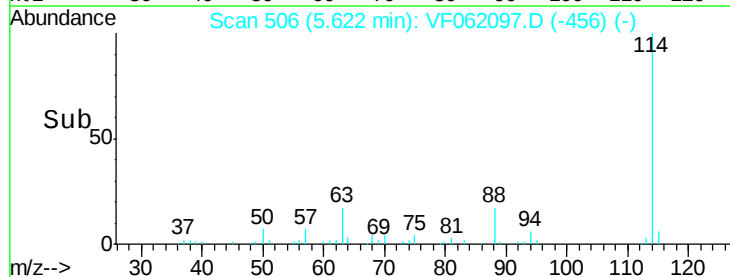
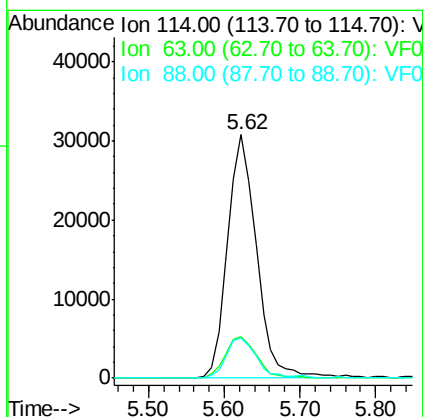
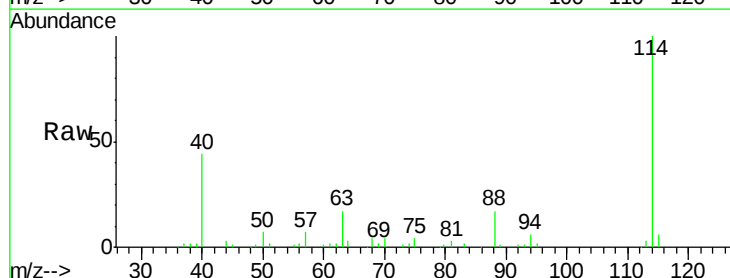
Instrument :
 MSVOA_F
 ClientSampleId :
 CS-4

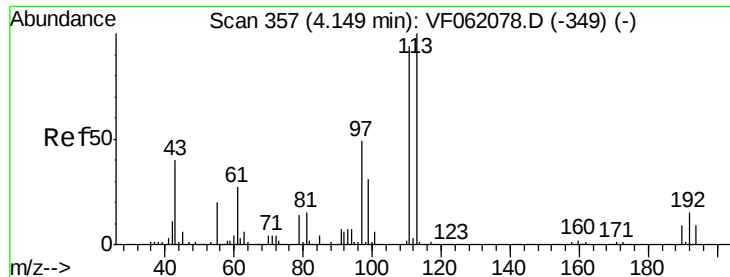
Tot Ion: 65 Resp: 12586
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.62 min Scan# 506
 Delta R.T. -0.01 min
 Lab File: VF062097.D
 Acq: 23 Mar 2019 00:34

Tgt Ion: 114 Resp: 81479
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 37.8
 88 16.5 0.0 36.4

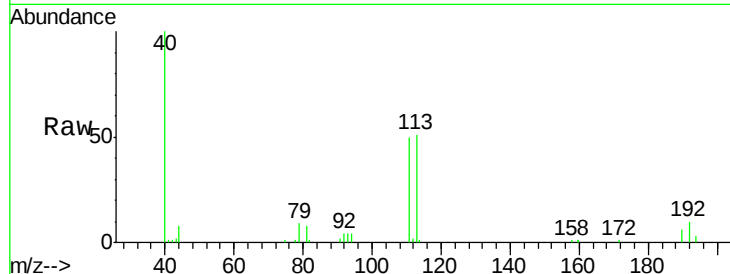




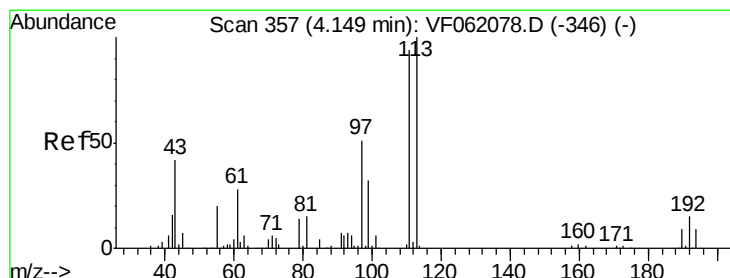
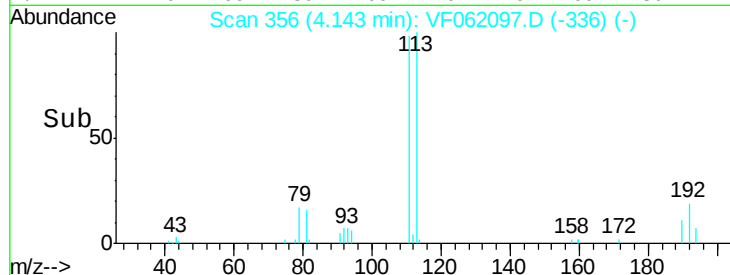
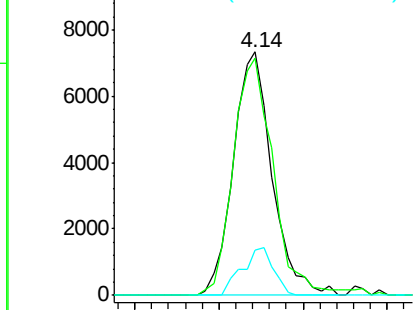
#35
Dibromofluoromethane
Concen: 42.749 ug/l
RT: 4.14 min Scan# 356
Delta R.T. -0.01 min
Lab File: VF062097.D
Acq: 23 Mar 2019 00:34

Instrument :
MSVOA_F
ClientSampleId :
CS-4

Tot Ion:113 Resp: 23562
Ion Ratio Lower Upper
113 100
111 97.5 75.4 113.0
192 18.8 12.3 18.5#

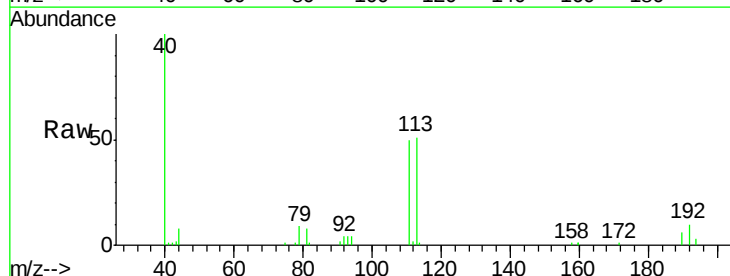


Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V

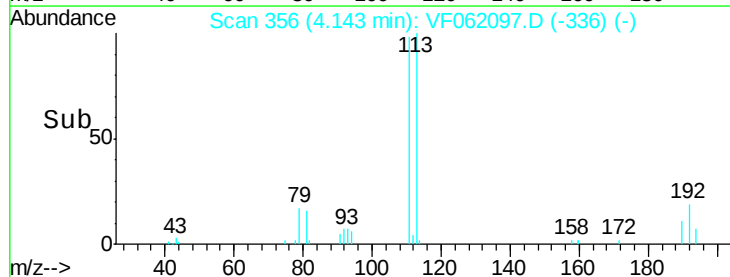
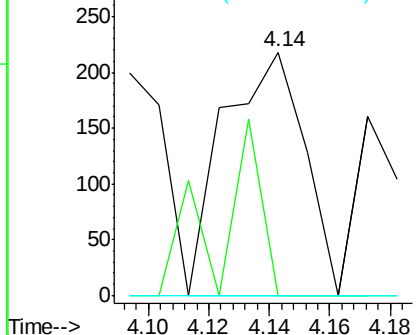


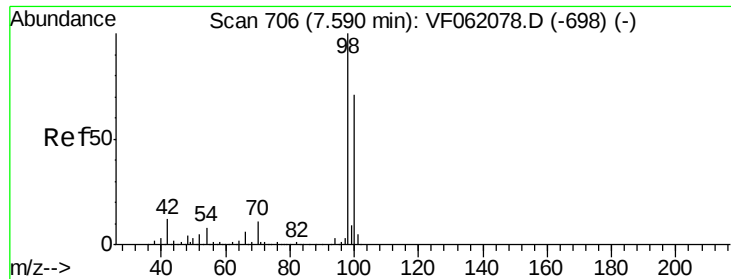
#37
Ethyl Acetate
Concen: 1.197 ug/l
RT: 4.14 min Scan# 356
Delta R.T. -0.01 min
Lab File: VF062097.D
Acq: 23 Mar 2019 00:34

Tgt Ion: 43 Resp: 406
Ion Ratio Lower Upper
43 100
61 0.0 53.6 80.4#
70 0.0 9.0 13.6#



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





#50

Toluene-d8

Concen: 39.441 ug/l

RT: 7.57 min Scan# 704

Delta R.T. -0.02 min

Lab File: VF062097.D

Acq: 23 Mar 2019 00:34

Instrument :

MSVOA_F

ClientSampleId :

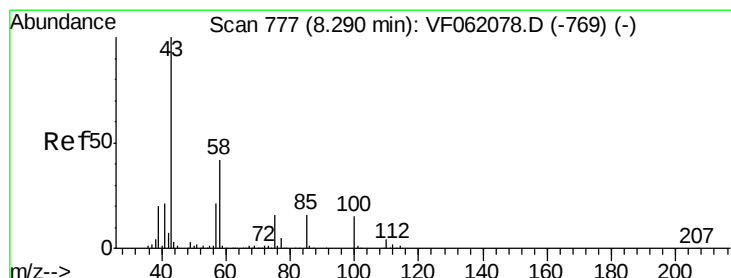
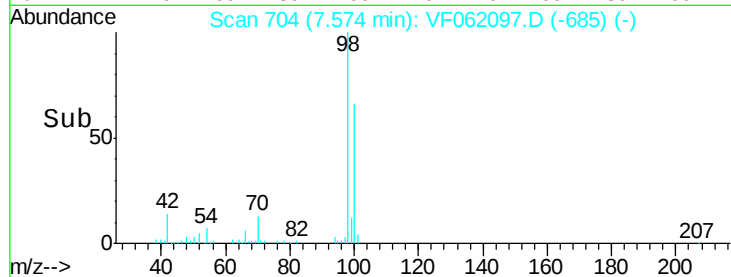
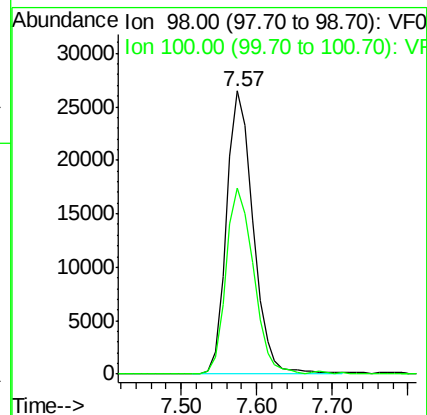
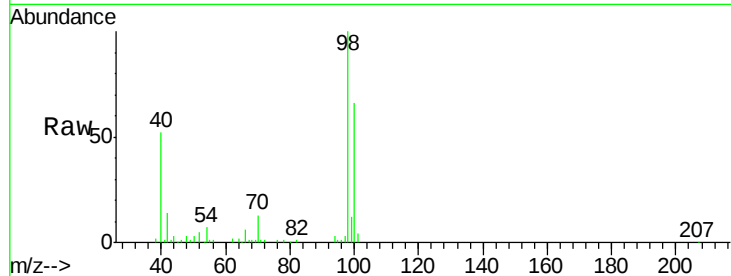
CS-4

Tot Ion: 98 Resp: 64891

Ion Ratio Lower Upper

98 100

100 65.5 57.0 85.6



#51

4-Methyl-2-Pentanone

Concen: 5.045 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.02 min

Lab File: VF062097.D

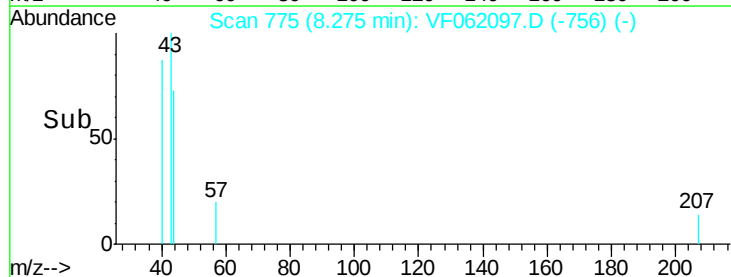
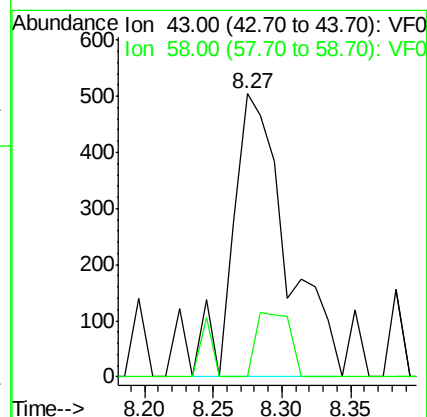
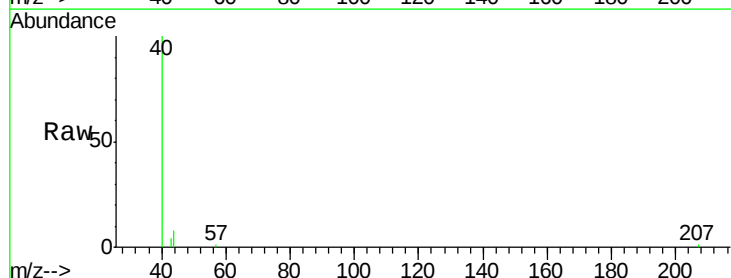
Acq: 23 Mar 2019 00:34

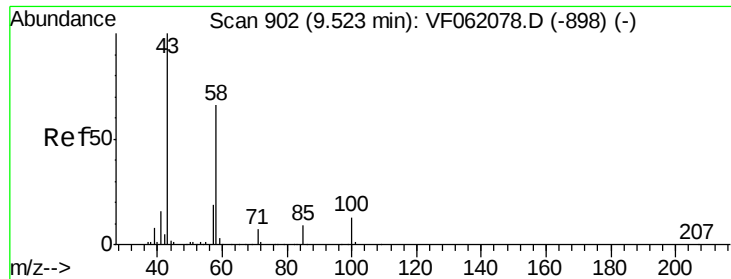
Tgt Ion: 43 Resp: 1387

Ion Ratio Lower Upper

43 100

58 0.0 33.8 50.8#

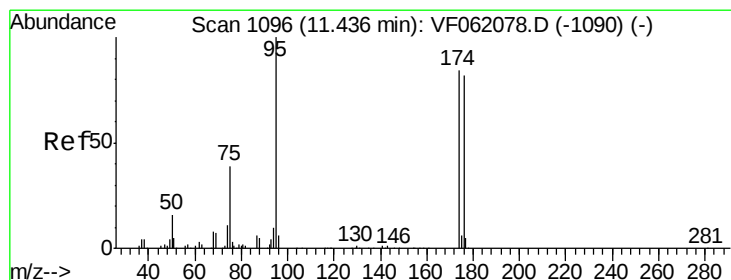
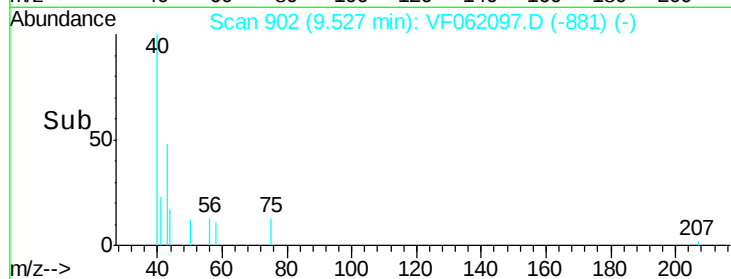
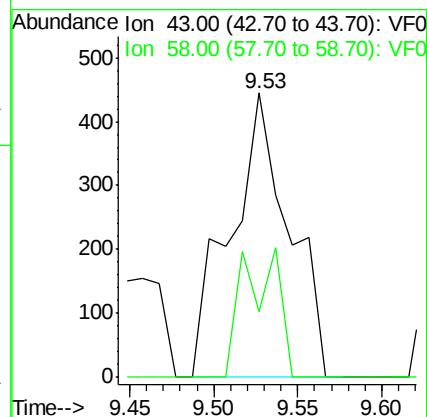
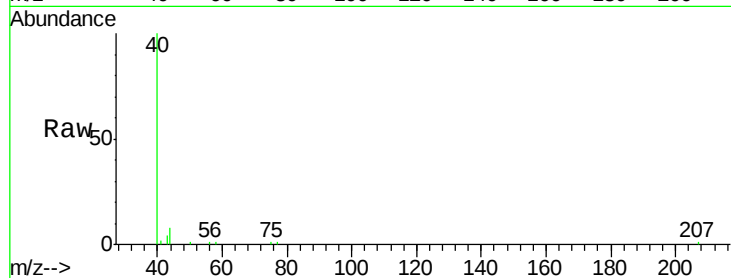




#59
2-Hexanone
Concen: 5.345 ug/l
RT: 9.53 min Scan# 902
Delta R.T. 0.00 min
Lab File: VF062097.D
Acq: 23 Mar 2019 00:34

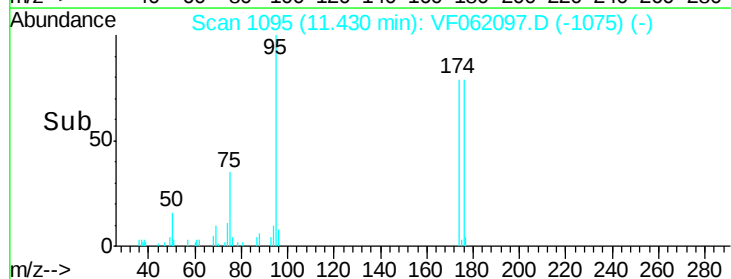
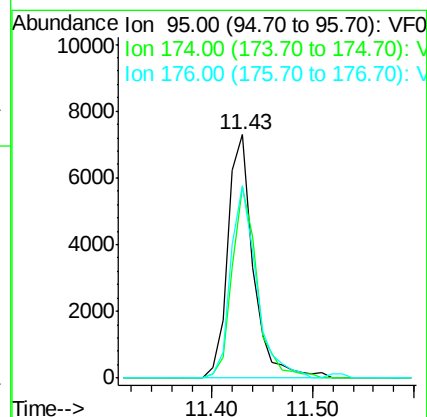
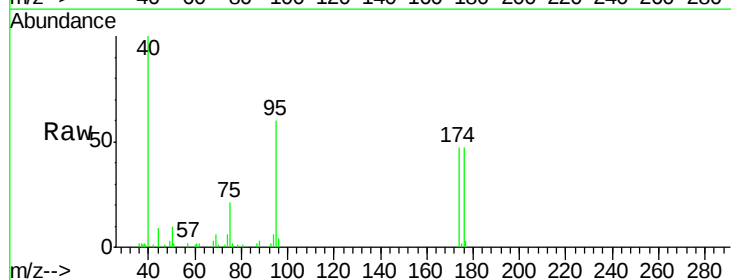
Instrument :
MSVOA_F
ClientSampleId :
CS-4

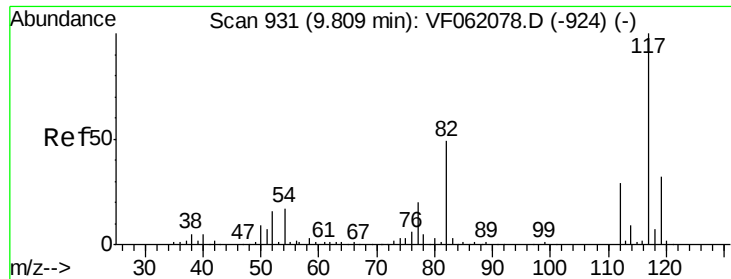
Tot Ion: 43 Resp: 1077
Ion Ratio Lower Upper
43 100
58 22.7 28.8 86.4#



#62
4-Bromofluorobenzene
Concen: 20.292 ug/l
RT: 11.43 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VF062097.D
Acq: 23 Mar 2019 00:34

Tgt Ion: 95 Resp: 12889
Ion Ratio Lower Upper
95 100
174 78.7 0.0 168.2
176 79.0 0.0 164.2

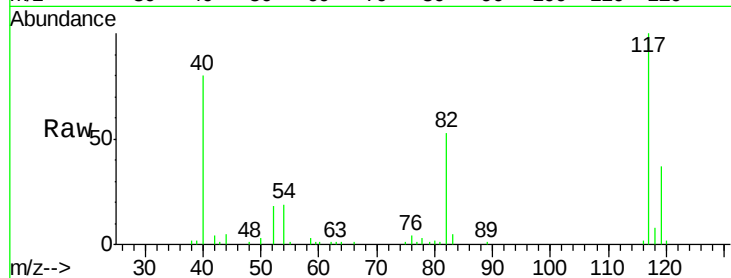




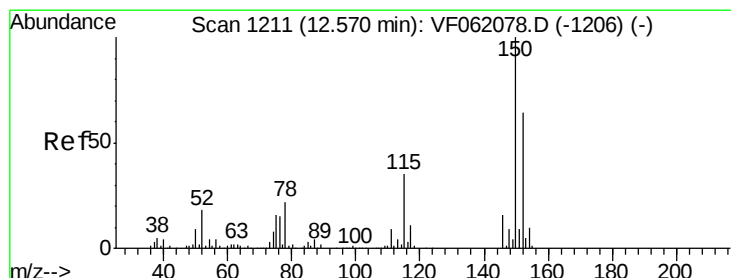
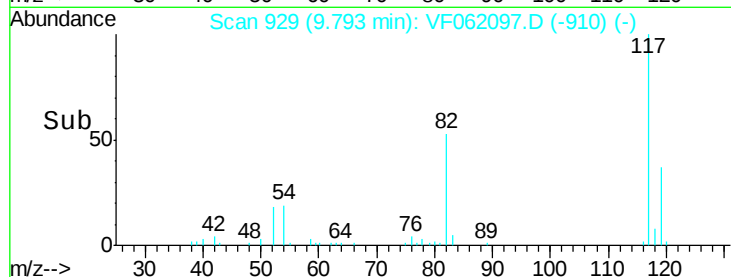
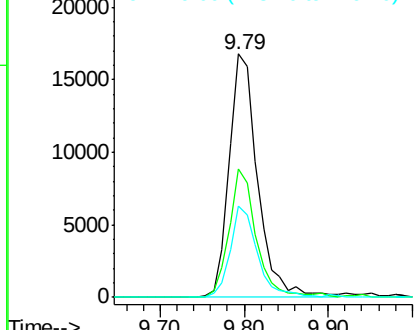
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.02 min
Lab File: VF062097.D
Acq: 23 Mar 2019 00:34

Instrument :
MSVOA_F
ClientSampleId :
CS-4

Tot Ion:117 Resp: 39692
Ion Ratio Lower Upper
117 100
82 52.6 39.2 58.8
119 37.3 25.4 38.2

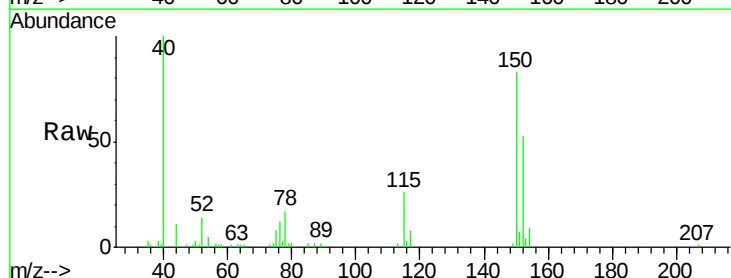


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

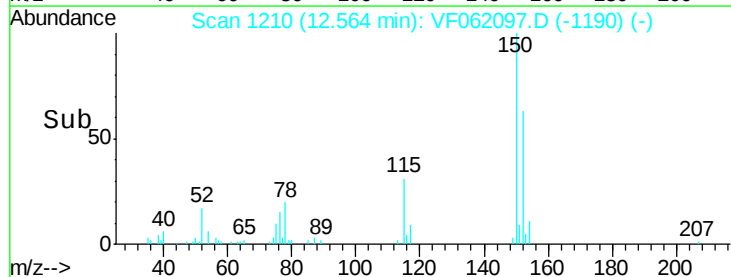
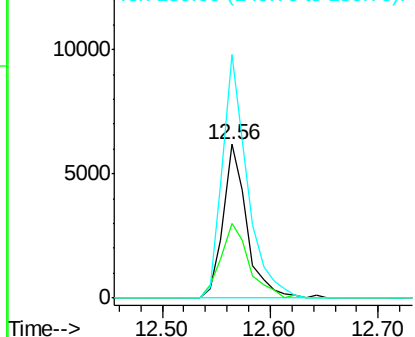


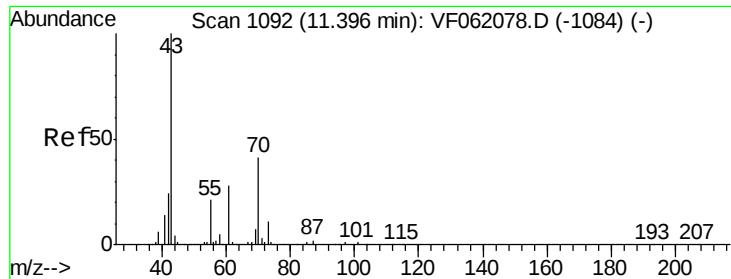
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. -0.01 min
Lab File: VF062097.D
Acq: 23 Mar 2019 00:34

Tgt Ion:152 Resp: 9454
Ion Ratio Lower Upper
152 100
115 48.6 27.7 83.1
150 158.4 0.0 313.2



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





#74

N-amvl acetate

Concen: 4.996 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VF062097.D

Acq: 23 Mar 2019 00:34

Instrument :

MSVOA_F

ClientSampled :

CS-4

Tot Ion: 43 Resp: 792

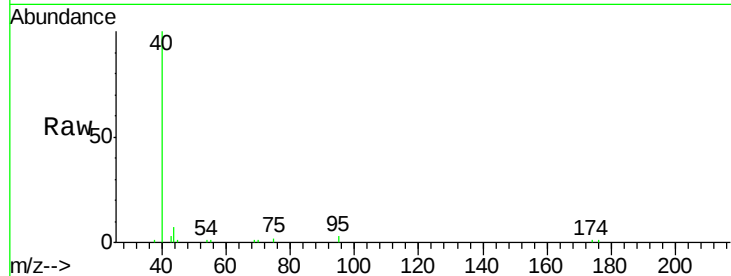
Ion Ratio Lower Upper

43 100

70 39.6 32.9 49.3

55 29.8 17.1 25.7#

61 0.0 22.2 33.2#

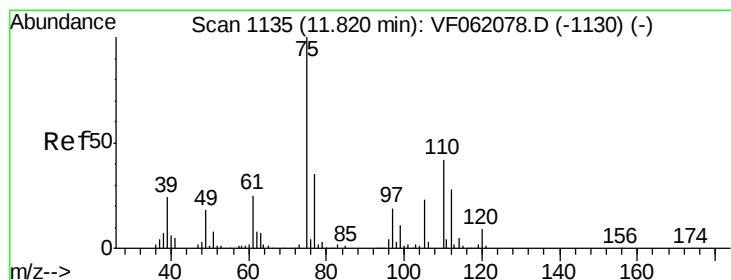
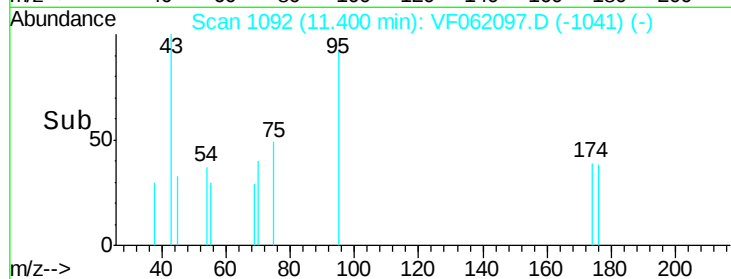
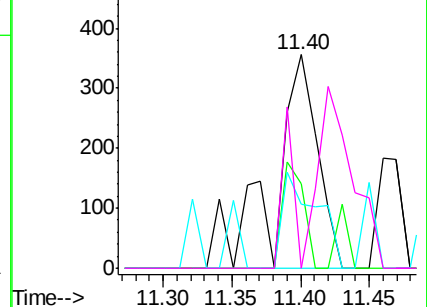


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#76

1,2,3-Trichloropropane

Concen: 1.095 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VF062097.D

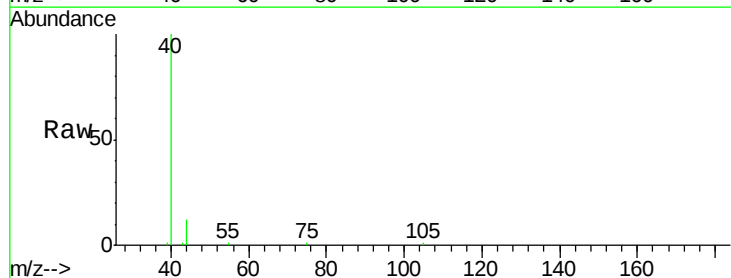
Acq: 23 Mar 2019 00:34

Tgt Ion: 75 Resp: 88

Ion Ratio Lower Upper

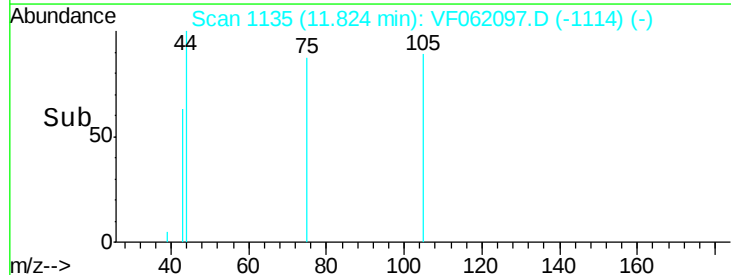
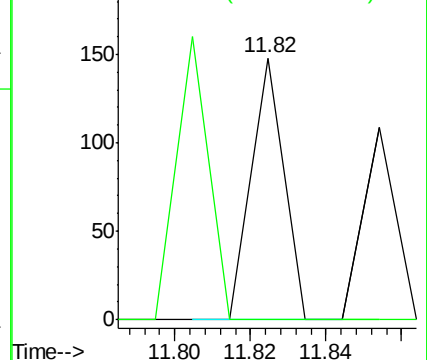
75 100

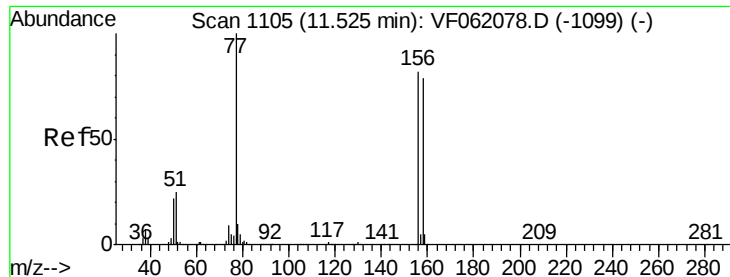
77 0.0 17.8 53.3#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 1.157 ug/l

RT: 11.52 min Scan# 1104

Delta R.T. -0.01 min

Lab File: VF062097.D

Acq: 23 Mar 2019 00:34

Instrument :

MSVOA_F

ClientSampled :

CS-4

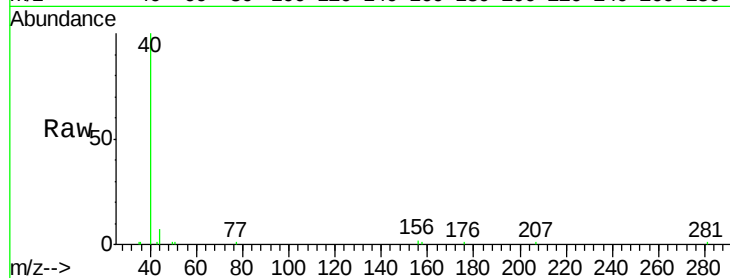
Tot Ion:156 Resp: 188

Ion Ratio Lower Upper

156 100

77 66.8 61.3 183.9

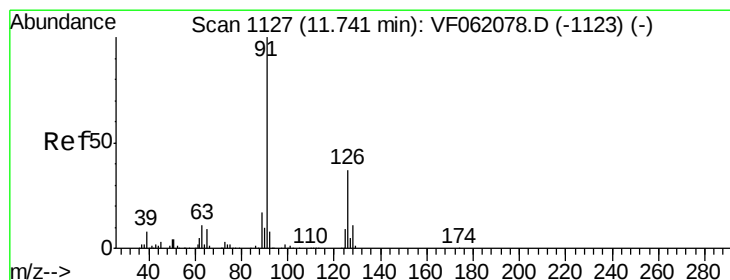
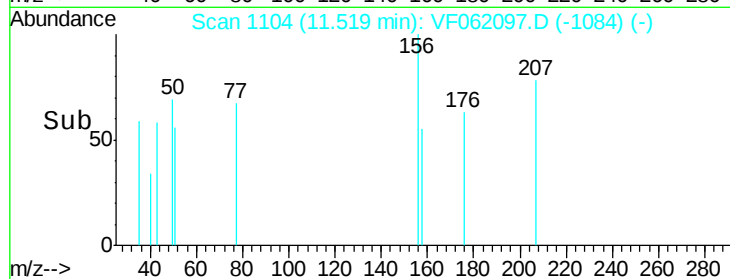
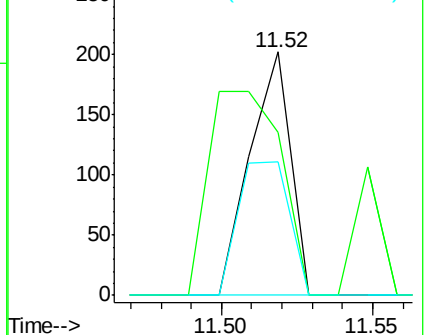
158 55.0 48.6 145.9



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#79

2-Chlorotoluene

Concen: 1.386 ug/l

RT: 11.73 min Scan# 1125

Delta R.T. -0.02 min

Lab File: VF062097.D

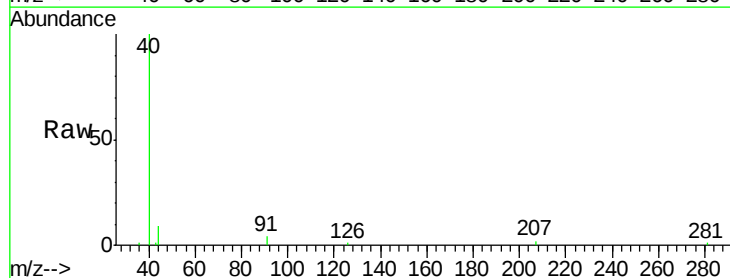
Acq: 23 Mar 2019 00:34

Tgt Ion: 91 Resp: 595

Ion Ratio Lower Upper

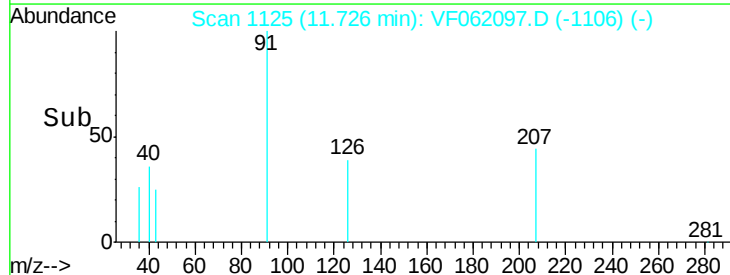
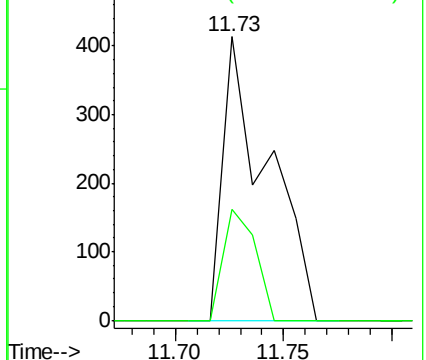
91 100

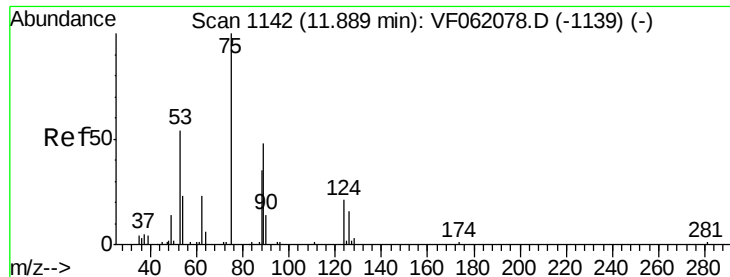
126 39.0 18.3 54.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 1.954 ug/l

RT: 11.85 min Scan# 1138

Delta R.T. -0.04 min

Lab File: VF062097.D

Acq: 23 Mar 2019 00:34

Instrument :

MSVOA_F

ClientSampleId :

CS-4

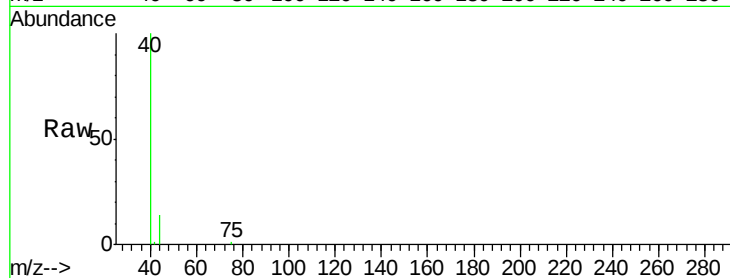
Tot Ion: 75 Resp: 64

Ion Ratio Lower Upper

75 100

53 0.0 49.4 74.0#

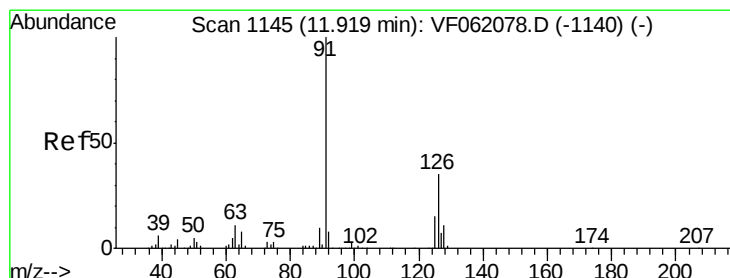
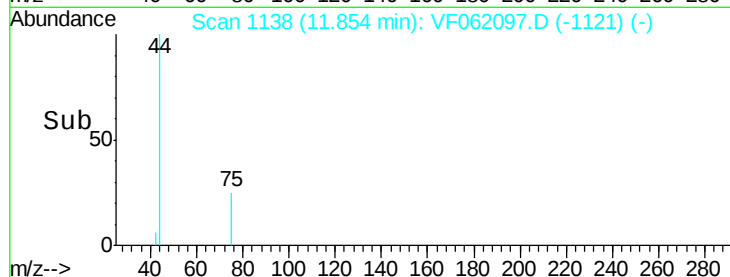
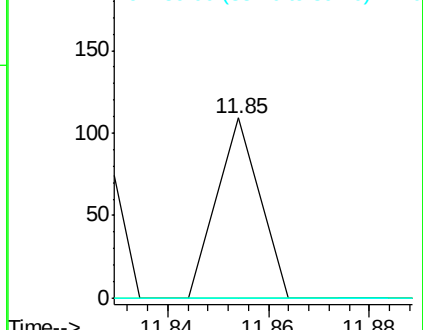
89 0.0 40.6 60.8#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 1.020 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF062097.D

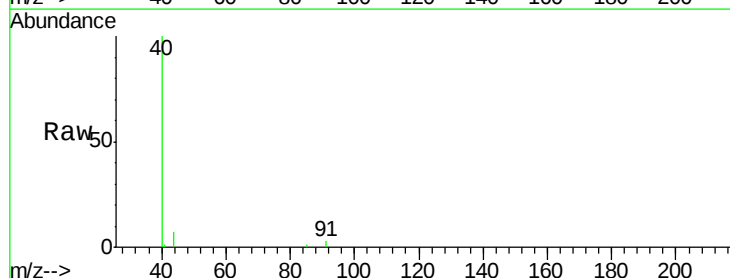
Acq: 23 Mar 2019 00:34

Tgt Ion: 91 Resp: 449

Ion Ratio Lower Upper

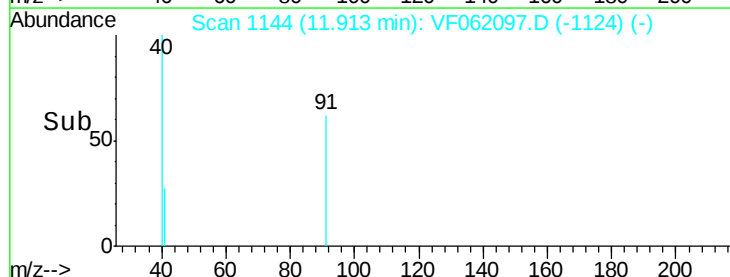
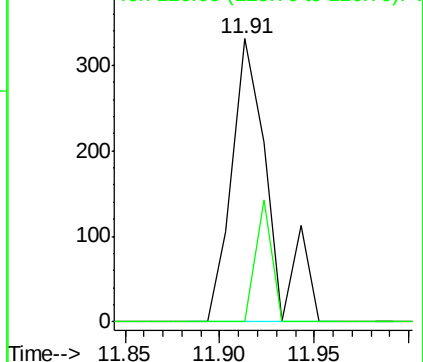
91 100

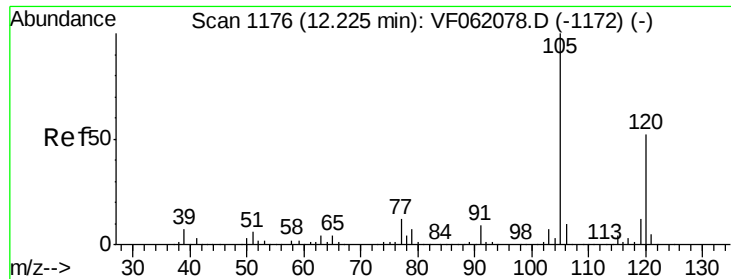
126 0.0 17.2 51.6#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

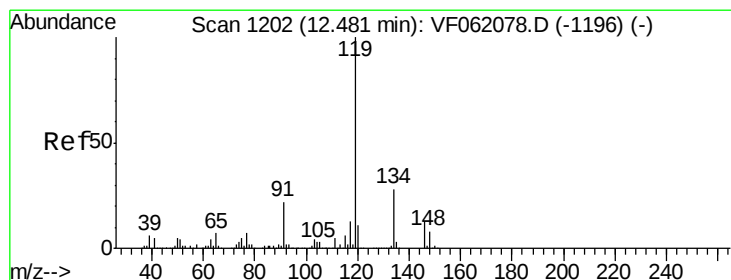
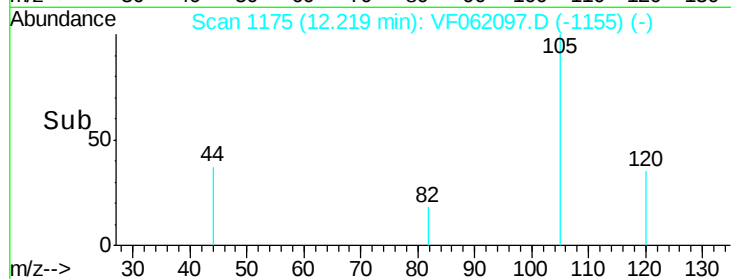
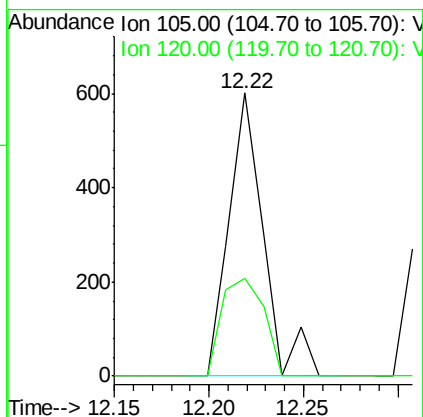
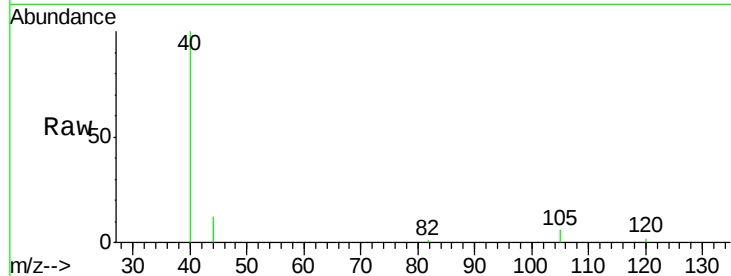




#84
 1,2,4-Trimethylbenzene
 Concen: 1.409 ug/l
 RT: 12.22 min Scan# 1175
 Delta R.T. -0.01 min
 Lab File: VF062097.D
 Acq: 23 Mar 2019 00:34

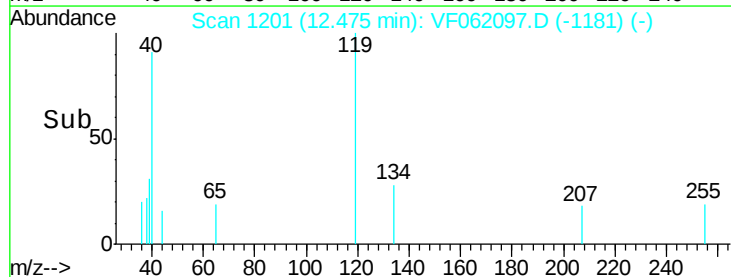
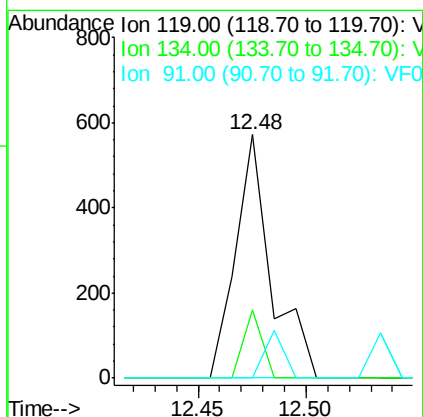
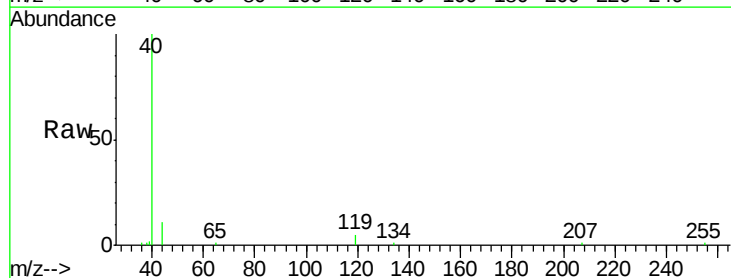
Instrument :
 MSVOA_F
 ClientSampleId :
 CS-4

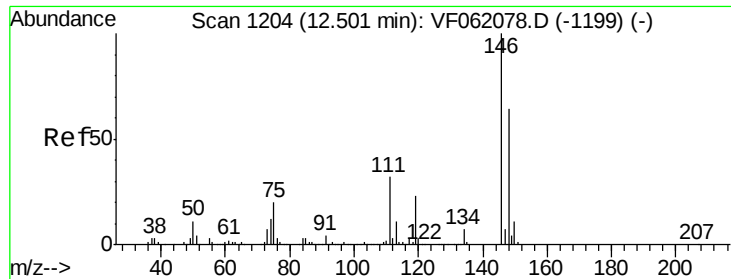
Tot Ion:105 Resp: 756
 Ion Ratio Lower Upper
 105 100
 120 34.6 26.1 78.2



#86
 p-Isopropyltoluene
 Concen: 1.028 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VF062097.D
 Acq: 23 Mar 2019 00:34

Tgt Ion:119 Resp: 660
 Ion Ratio Lower Upper
 119 100
 134 28.1 14.0 42.0
 91 0.0 10.8 32.4#

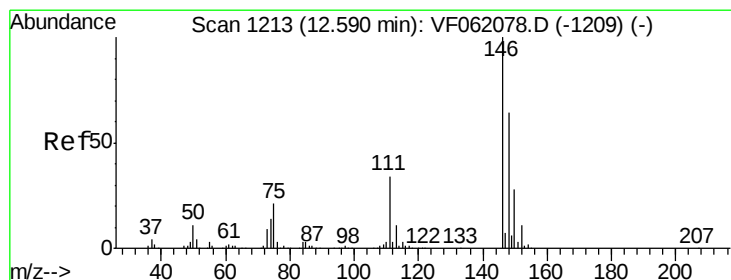
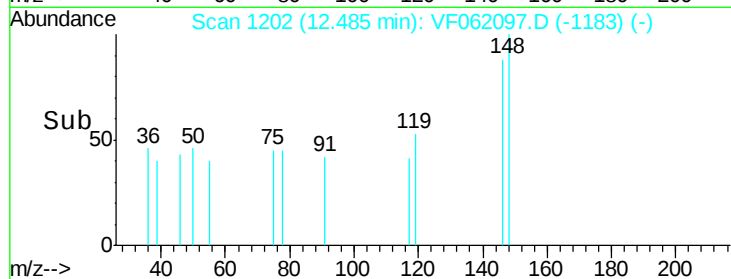
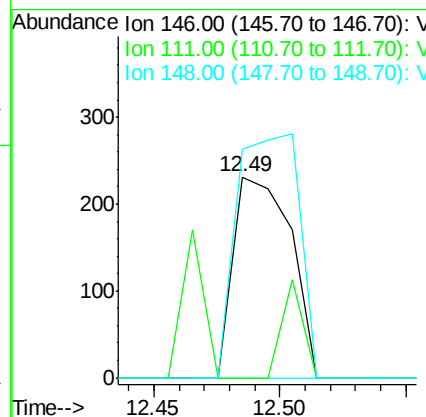
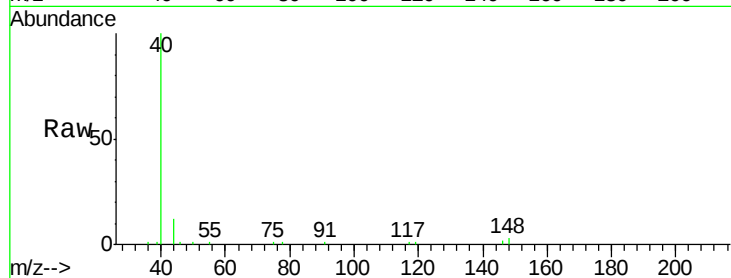




#87
 1,3-Dichlorobenzene
 Concen: 1.212 ug/l
 RT: 12.49 min Scan# 1202
 Delta R.T. -0.02 min
 Lab File: VF062097.D
 Acq: 23 Mar 2019 00:34

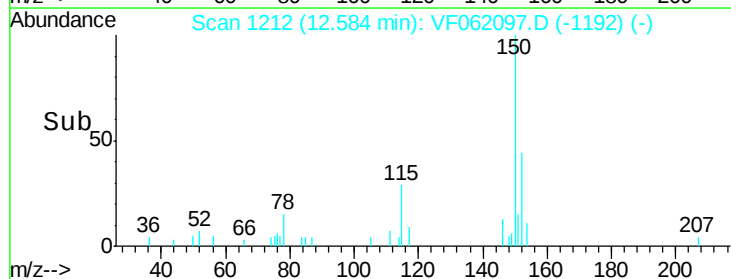
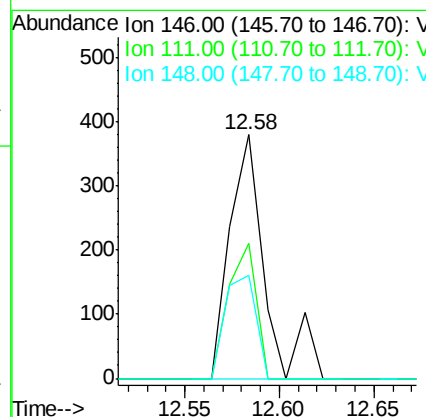
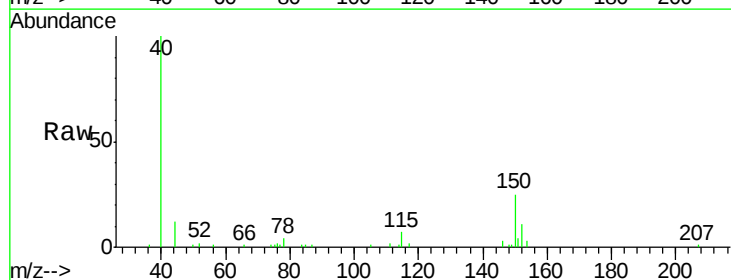
Instrument :
 MSVOA_F
 ClientSampled :
 CS-4

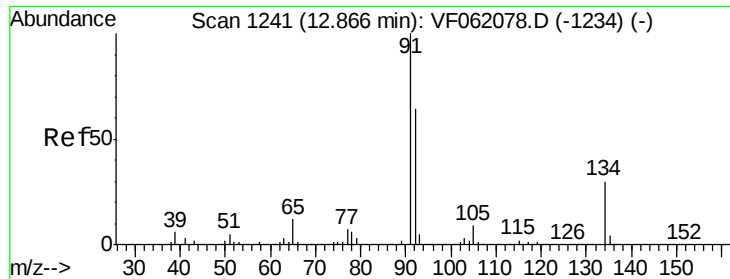
Tot Ion:146 Resp: 366
 Ion Ratio Lower Upper
 146 100
 111 0.0 16.1 48.3#
 148 113.9 31.9 95.7#



#88
 1,4-Dichlorobenzene
 Concen: 1.653 ug/l
 RT: 12.58 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: VF062097.D
 Acq: 23 Mar 2019 00:34

Tgt Ion:146 Resp: 487
 Ion Ratio Lower Upper
 146 100
 111 55.7 16.9 50.6#
 148 42.2 31.9 95.7

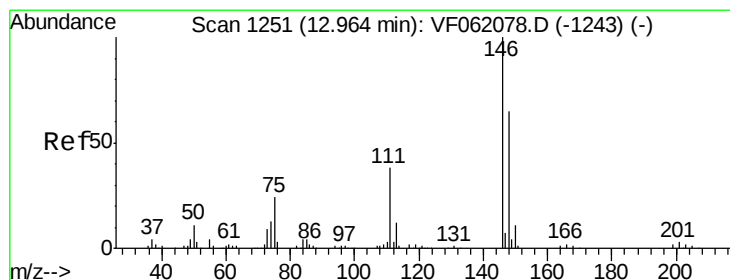
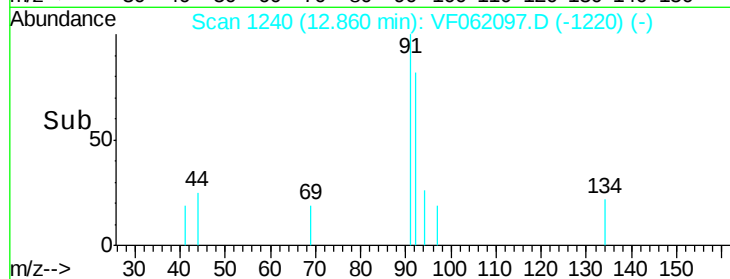
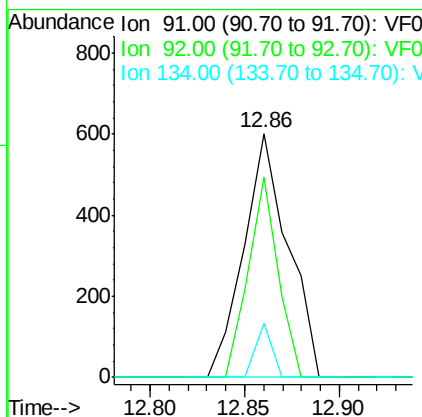
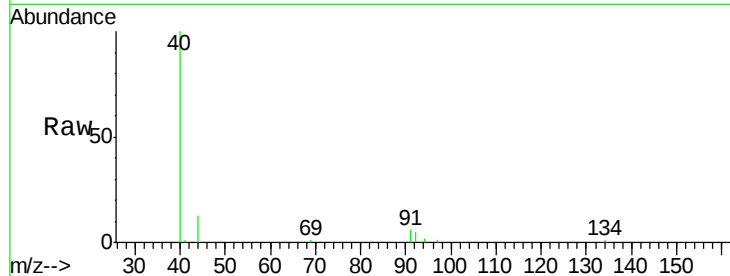




#89
n-Butylbenzene
Concen: 1.593 ug/l
RT: 12.86 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VF062097.D
Acq: 23 Mar 2019 00:34

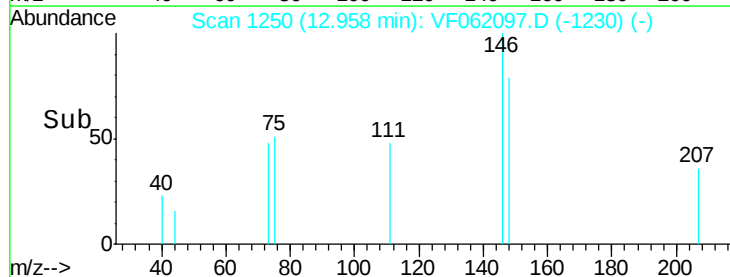
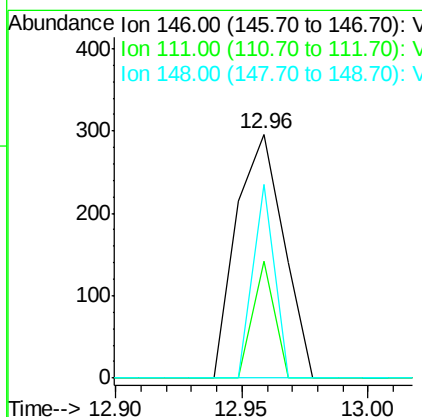
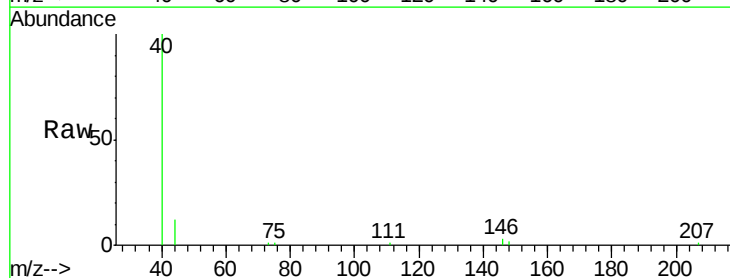
Instrument :
MSVOA_F
ClientSampleId :
CS-4

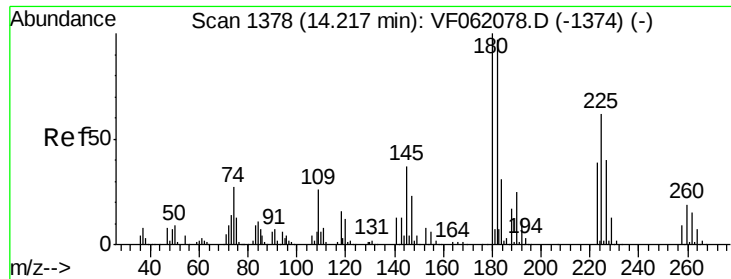
Tot Ion: 91 Resp: 976
Ion Ratio Lower Upper
91 100
92 82.0 31.9 95.5
134 22.3 14.9 44.9



#91
1,2-Dichlorobenzene
Concen: 1.358 ug/l
RT: 12.96 min Scan# 1250
Delta R.T. -0.01 min
Lab File: VF062097.D
Acq: 23 Mar 2019 00:34

Tgt Ion: 146 Resp: 385
Ion Ratio Lower Upper
146 100
111 48.0 19.1 57.3
148 79.4 32.8 98.3

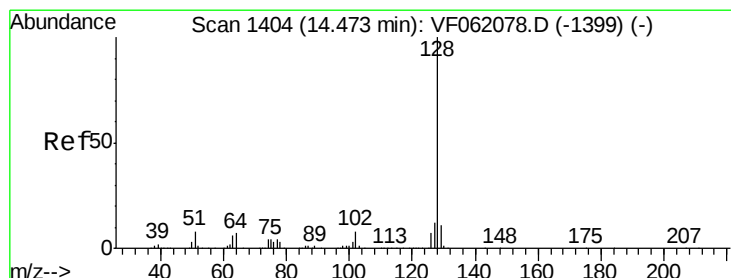
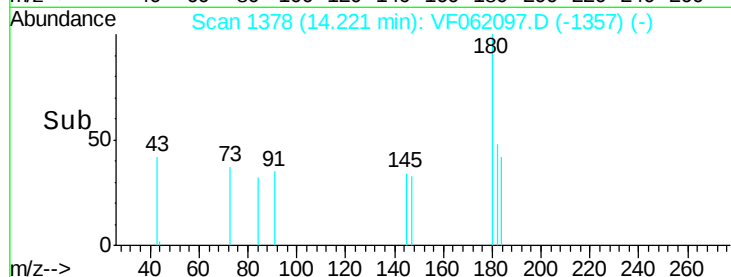
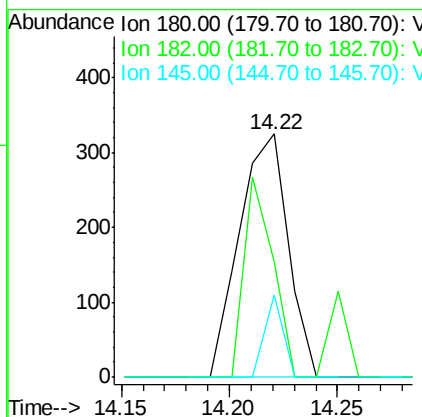
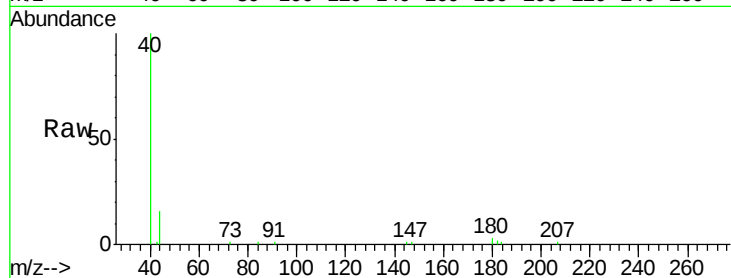




#93
 1,2,4-Trichlorobenzene
 Concen: 2.596 ug/l
 RT: 14.22 min Scan# 1378
 Delta R.T. 0.00 min
 Lab File: VF062097.D
 Acq: 23 Mar 2019 00:34

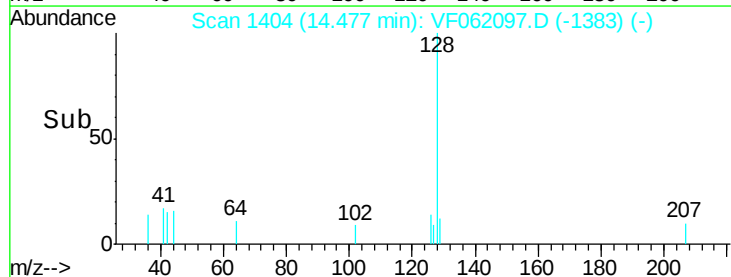
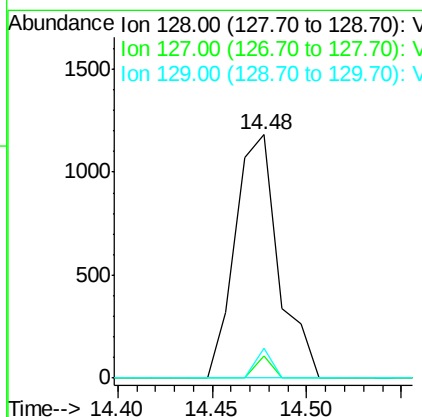
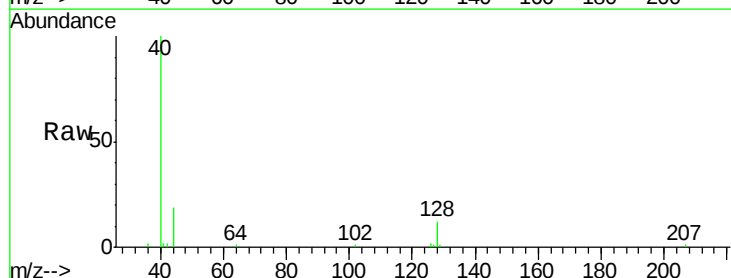
Instrument :
 MSVOA_F
 ClientSampleId :
 CS-4

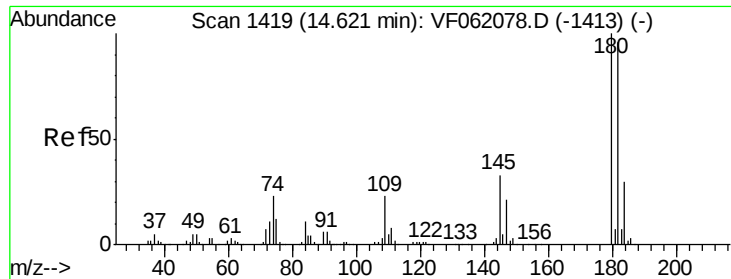
Tot Ion:180 Resp: 513
 Ion Ratio Lower Upper
 180 100
 182 47.7 48.7 146.1#
 145 33.5 18.3 54.8



#95
 Naphthalene
 Concen: 5.429 ug/l
 RT: 14.48 min Scan# 1404
 Delta R.T. 0.00 min
 Lab File: VF062097.D
 Acq: 23 Mar 2019 00:34

Tgt Ion:128 Resp: 1880
 Ion Ratio Lower Upper
 128 100
 127 9.1 9.5 14.3#
 129 12.4 8.7 13.1

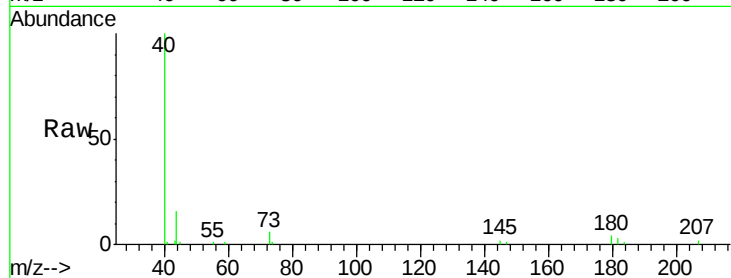




#96
 1,2,3-Trichlorobenzene
 Concen: 2.633 ug/l
 RT: 14.62 min Scan# 1419
 Delta R.T. 0.00 min
 Lab File: VF062097.D
 Acq: 23 Mar 2019 00:34

Instrument :
 MSVOA_F
 ClientSampleId :
 CS-4

Tot Ion	Ratio	Lower	Upper
180	100		
182	80.9	47.9	143.7
145	44.9	16.6	49.7



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

