

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060719\
 Data File : VF062903.D
 Acq On : 7 Jun 2019 17:39
 Operator : FY/SY
 Sample : VSTDCCC050EC
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 08 00:41:07 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	5.07	168	863711	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1379556	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	1039532	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	479346	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.05	65	303453	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
35) Dibromofluoromethane	4.32	113	524678	50.33	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.66%	
50) Toluene-d8	7.72	98	1284792	48.74	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	97.48%	
62) 4-Bromofluorobenzene	11.50	95	439218	46.32	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	92.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.02	85	454837	46.215	ug/l	94
3) Chloromethane	1.15	50	415455	46.488	ug/l	100
4) Vinyl Chloride	1.20	62	420606	47.361	ug/l	96
5) Bromomethane	1.40	94	253856	50.122	ug/l	98
6) Chloroethane	1.45	64	170056	51.215	ug/l	95
7) Trichlorofluoromethane	1.57	101	622357	49.502	ug/l	99
8) Diethyl Ether	1.72	74	132234	53.460	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.91	101	412390	52.173	ug/l	94
10) Methyl Iodide	1.99	142	772078	48.716	ug/l	98
11) Tert butyl alcohol	2.71	59	105286	290.994	ug/l	97
12) 1,1-Dichloroethene	1.88	96	369309	51.454	ug/l	91
13) Acrolein	2.11	56	45415	316.371	ug/l	95
14) Allyl chloride	2.21	41	420270	75.476	ug/l	97
15) Acrylonitrile	3.10	53	279110	205.296	ug/l	97
16) Acetone	2.36	43	369827	270.540	ug/l	96
17) Carbon Disulfide	1.92	76	1038201	49.490	ug/l	99
18) Methyl Acetate	2.48	43	131244	54.941	ug/l	100
19) Methyl tert-butyl Ether	2.56	73	692768	53.275	ug/l	97
20) Methylene Chloride	2.34	84	380423	55.927	ug/l	93
21) trans-1,2-Dichloroethene	2.44	96	381587	53.024	ug/l	97
22) Diisopropyl ether	2.95	45	882182	55.764	ug/l	98
23) Vinyl Acetate	3.35	43	2999601	276.960	ug/l	98
24) 1,1-Dichloroethane	3.03	63	659496	55.834	ug/l	97
25) 2-Butanone	4.54	43	838039	263.250	ug/l	95
26) 2,2-Dichloropropane	3.79	77	374689	55.867	ug/l	97
27) cis-1,2-Dichloroethene	3.66	96	605435	50.049	ug/l	95
28) Bromochloromethane	3.92	49	322263	50.157	ug/l	100
29) Tetrahydrofuran	4.28	42	351693	288.848	ug/l	98
30) Chloroform	4.06	83	817838	49.128	ug/l	98
31) Cyclohexane	3.90	56	785742	49.135	ug/l	94
32) 1,1,1-Trichloroethane	4.30	97	541888	55.908	ug/l	94
36) 1,1-Dichloropropene	4.49	75	679540	53.507	ug/l	96
37) Ethyl Acetate	4.32	43	289280	59.587	ug/l	95
38) Carbon Tetrachloride	4.20	117	491198	57.228	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	804440	50.893	ug/l	100
40) Benzene	4.83	78	1946582	52.665	ug/l	100
41) Methacrylonitrile	4.95	41	150863	55.898	ug/l	95
42) 1,2-Dichloroethane	5.14	62	395020	56.192	ug/l	98
43) Isopropyl Acetate	7.13	43	362434	56.514	ug/l	96
44) Trichloroethene	5.70	130	521181	49.962	ug/l	98
45) 1,2-Dichloropropane	6.42	63	513658	55.378	ug/l	100
46) Dibromomethane	6.27	93	292200	53.957	ug/l	92
47) Bromodichloromethane	6.57	83	586810	53.207	ug/l	97
48) Methyl methacrylate	6.89	41	195982	59.296	ug/l	92
49) 1,4-Dioxane	6.88	88	44894	1030.492	ug/l	89
51) 4-Methyl-2-Pentanone	8.41	43	1283657	280.357	ug/l	100
52) Toluene	7.79	92	1005196	50.492	ug/l	96
53) t-1,3-Dichloropropene	8.43	75	490101	53.627	ug/l	98
54) cis-1,3-Dichloropropene	7.47	75	682965	51.627	ug/l	98
55) 1,1,2-Trichloroethane	8.65	97	314570	52.891	ug/l	98
56) Ethyl methacrylate	8.76	69	343049	53.757	ug/l	97
57) 1,3-Dichloropropane	9.00	76	545264	56.141	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.46	63	714173	320.219	ug/l	98
59) 2-Hexanone	9.63	43	894831	274.192	ug/l	98
60) Dibromochloromethane	8.87	129	412397	56.007	ug/l	97
61) 1,2-Dibromoethane	9.14	107	336011	54.399	ug/l	93
64) Tetrachloroethene	8.31	164	381365	47.741	ug/l	94
65) Chlorobenzene	9.94	112	1024604	51.039	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	399791	50.005	ug/l	98
67) Ethyl Benzene	10.04	91	1735473	50.377	ug/l	100
68) m/p-Xylenes	10.26	106	1301897	98.759	ug/l	95
69) o-Xylene	10.82	106	680288	50.970	ug/l	99
70) Styrene	10.89	104	1028595	52.286	ug/l	98
71) Bromoform	10.88	173	219773	57.302	ug/l #	98
73) Isopropylbenzene	11.22	105	1682759	50.312	ug/l	97
74) N-amyl acetate	11.46	43	498543	52.886	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.77	83	389068	54.471	ug/l	97
76) 1,2,3-Trichloropropane	11.87	75	252052	53.237	ug/l	90
77) Bromobenzene	11.58	156	425513	50.633	ug/l	91
78) n-propylbenzene	11.67	91	1994964	49.399	ug/l	96
79) 2-Chlorotoluene	11.80	91	1133532	49.054	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	1358165	49.654	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	145154	72.415	ug/l	96
82) 4-Chlorotoluene	11.98	91	1137081	50.071	ug/l	99
83) tert-Butylbenzene	12.20	119	1433772	52.901	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	1348350	51.992	ug/l	100
85) sec-Butylbenzene	12.37	105	1862179	52.143	ug/l	99
86) p-Isopropyltoluene	12.52	119	1579110	53.122	ug/l	97
87) 1,3-Dichlorobenzene	12.54	146	753181	50.818	ug/l	100
88) 1,4-Dichlorobenzene	12.63	146	720422	52.085	ug/l	98
89) n-Butylbenzene	12.90	91	1558935	52.134	ug/l	93
90) Hexachloroethane	12.97	117	405450	55.923	ug/l	87
91) 1,2-Dichlorobenzene	13.00	146	690429	53.000	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	44970	57.790	ug/l	97

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Quant Title : SW846 8260
QLast Update : Fri May 31 04:18:30 2019
Response via : Initial Calibration

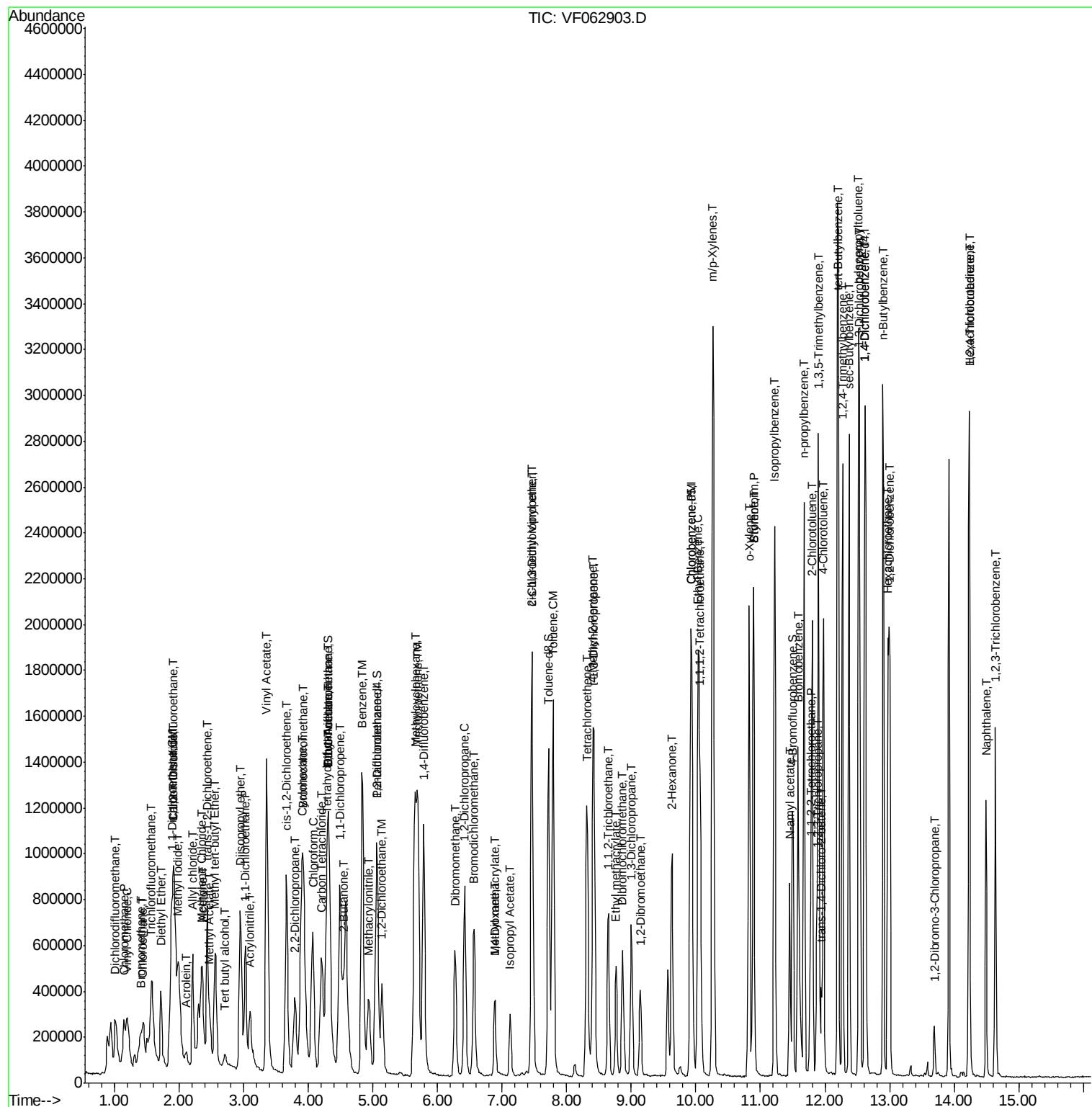
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	468743	52.406	ug/l	96
94) Hexachlorobutadiene	14.23	225	324586	52.456	ug/l	100
95) Naphthalene	14.49	128	807116	55.080	ug/l	97
96) 1,2,3-Trichlorobenzene	14.64	180	430126	52.681	ug/l	98

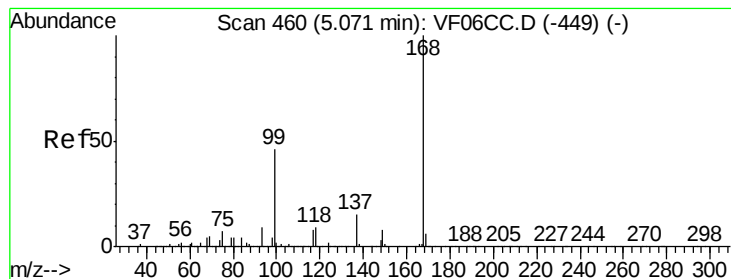
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF060719\
 Data File : VF062903.D
 Acq On : 7 Jun 2019 17:39
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 Sample : VSTDCCC050EC
 Misc : 5.00µL/MSVOA F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

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 ClientSampled :

Quant Time: Jun 08 00:41:07 2019
 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: 5.07 min Scan# 460

Delta R.T. -0.00 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

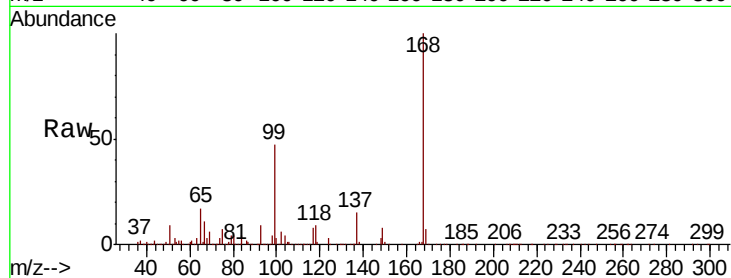
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 863711

Ion Ratio Lower Upper

168 100

99 46.7 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.07

300000

250000

200000

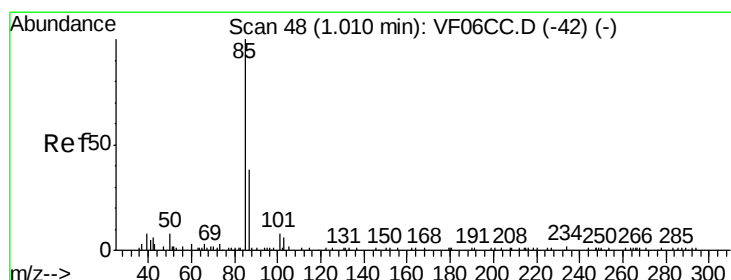
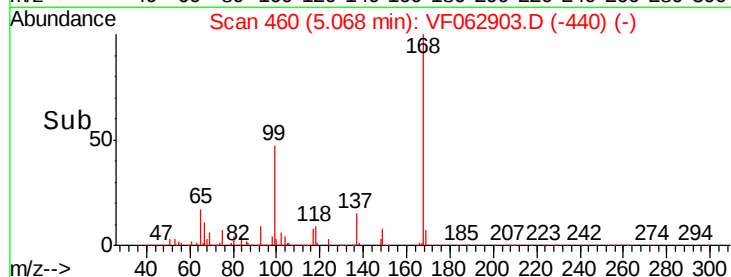
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.215 ug/l

RT: 1.02 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF062903.D

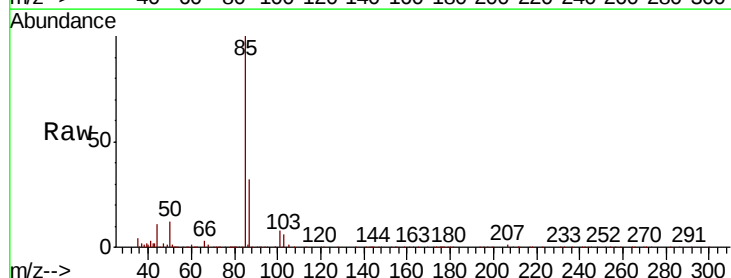
Acq: 7 Jun 2019 17:39

Tgt Ion: 85 Resp: 454837

Ion Ratio Lower Upper

85 100

87 31.8 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

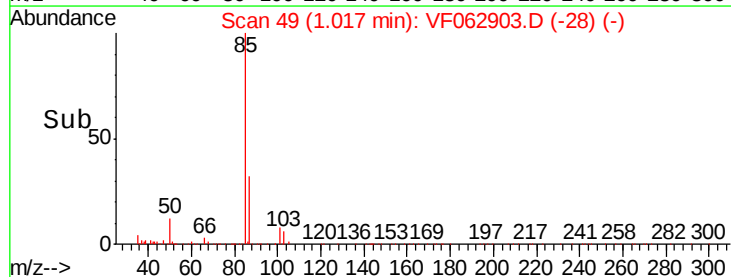
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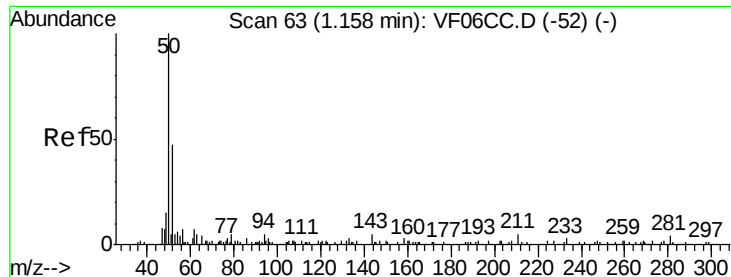
100000

50000

0

Time-->





#3

Chloromethane

Concen: 46.488 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Instrument :

MSVOA_F

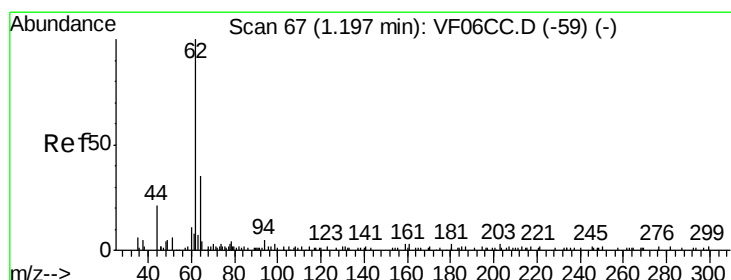
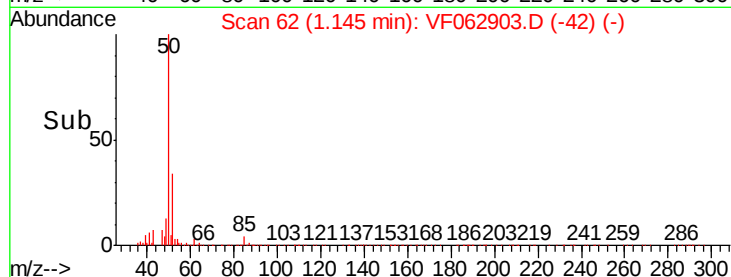
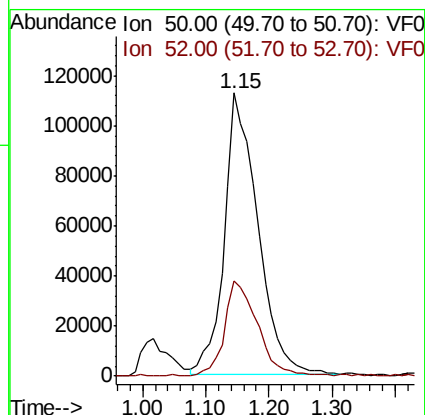
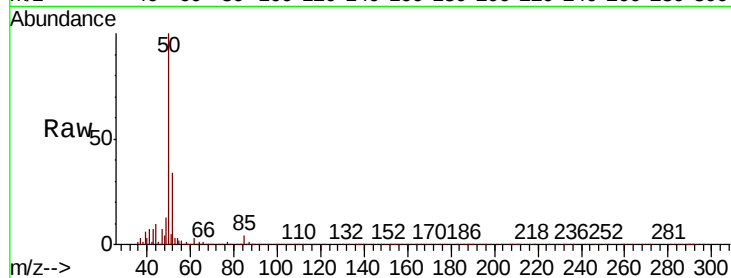
ClientSampleId :

Tot Ion: 50 Resp: 415455

Ion Ratio Lower Upper

50 100

52 33.5 27.0 40.4



#4

Vinyl Chloride

Concen: 47.361 ug/l

RT: 1.20 min Scan# 68

Delta R.T. 0.01 min

Lab File: VF062903.D

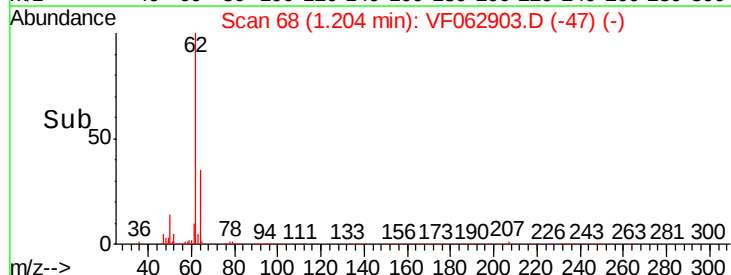
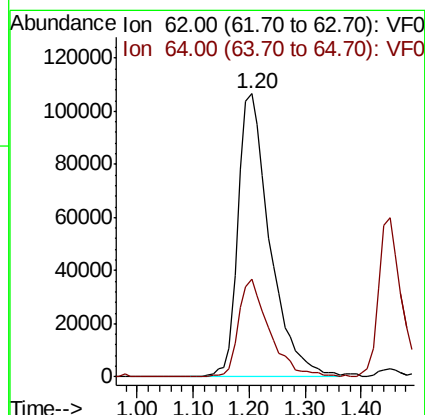
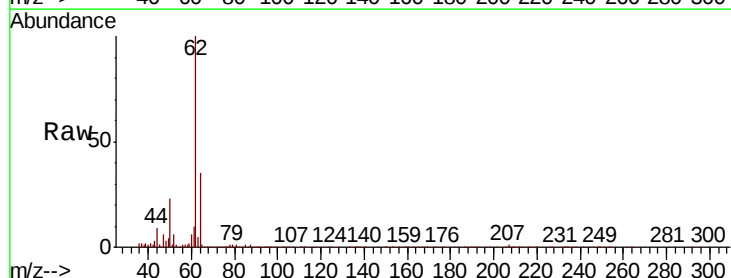
Acq: 7 Jun 2019 17:39

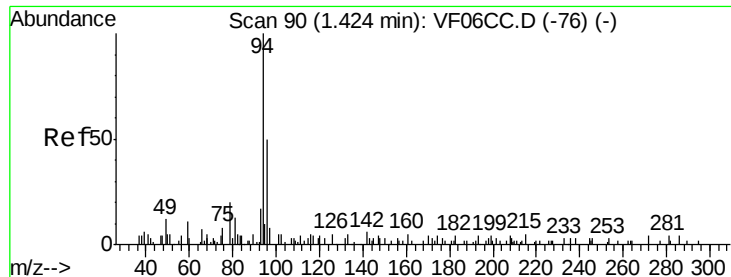
Tgt Ion: 62 Resp: 420606

Ion Ratio Lower Upper

62 100

64 34.7 26.2 39.2





#5

Bromomethane

Concen: 50.122 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.00 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

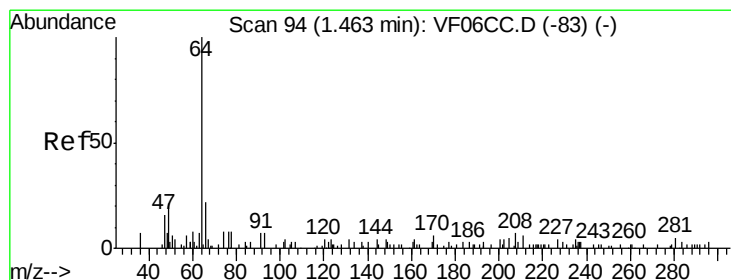
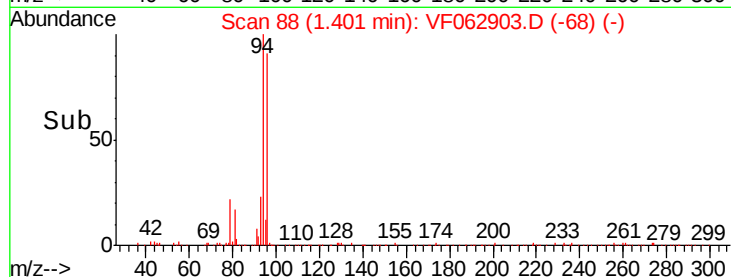
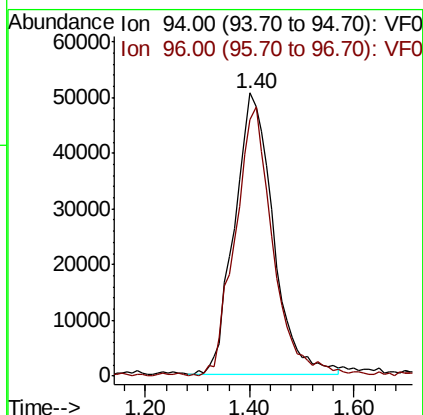
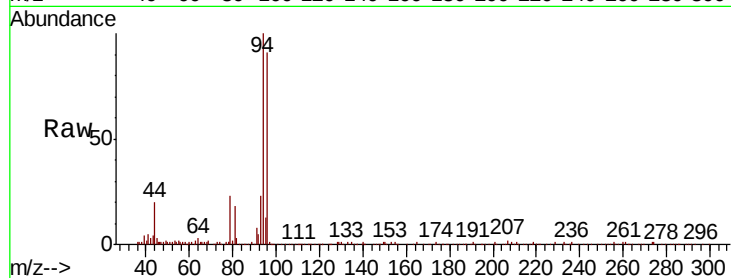
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 253856

Ion Ratio Lower Upper

94 100

96 90.7 73.8 110.6



#6

Chloroethane

Concen: 51.215 ug/l

RT: 1.45 min Scan# 93

Delta R.T. -0.01 min

Lab File: VF062903.D

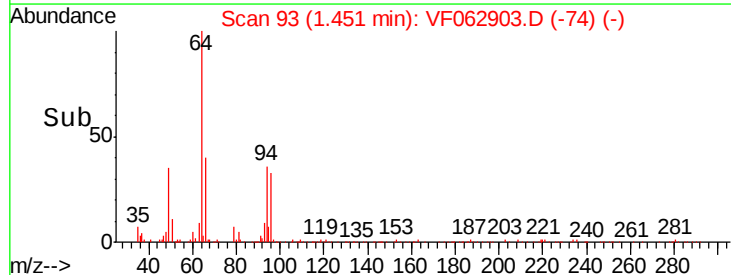
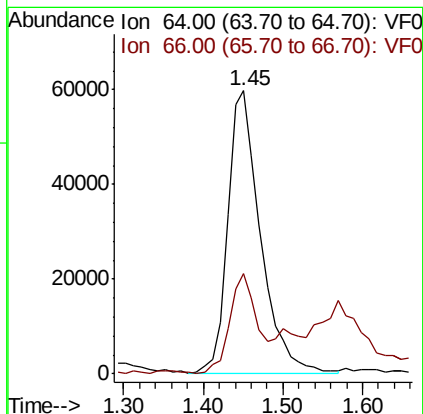
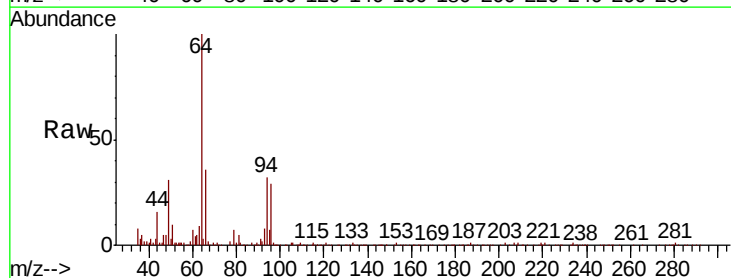
Acq: 7 Jun 2019 17:39

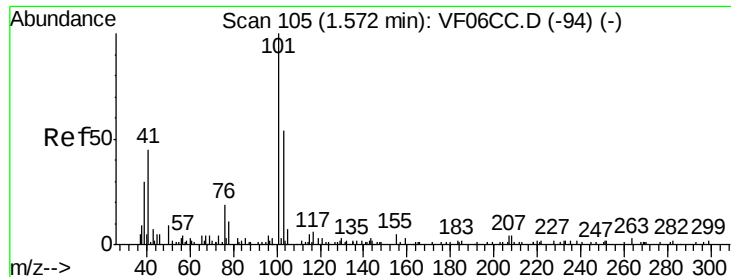
Tgt Ion: 64 Resp: 170056

Ion Ratio Lower Upper

64 100

66 35.7 31.0 46.4



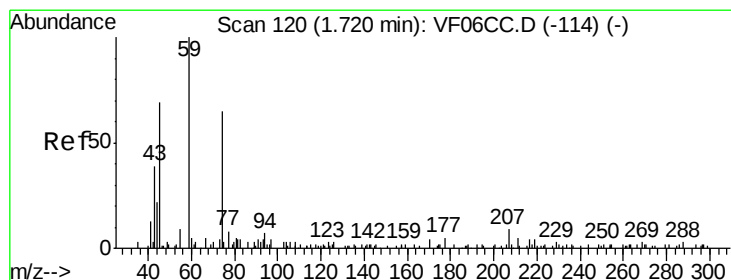
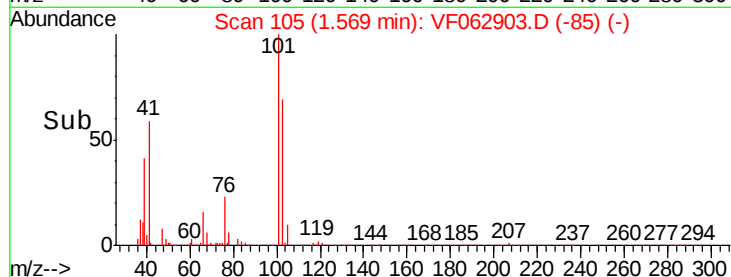
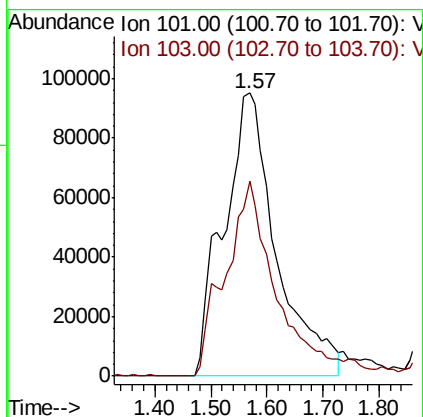
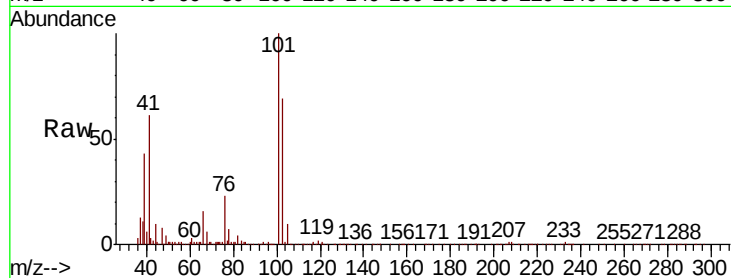


#7

Trichlorofluoromethane
Concen: 49.502 ug/l
RT: 1.57 min Scan# 105
Delta R.T. -0.00 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Instrument :
MSVOA_F
ClientSampleId :

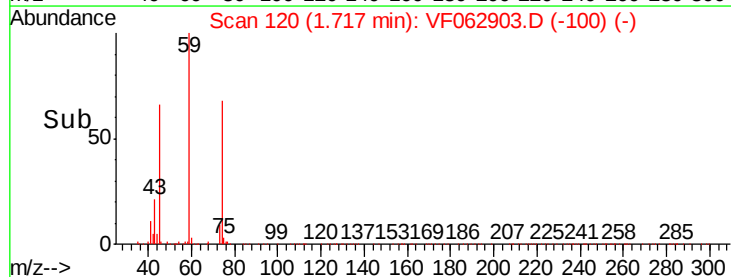
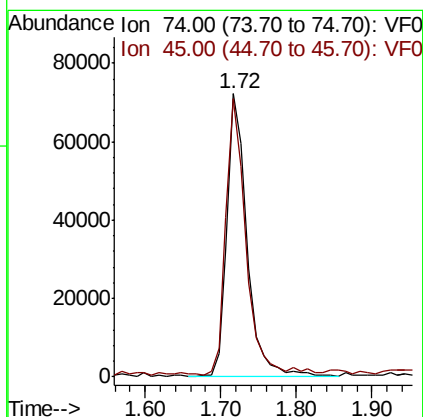
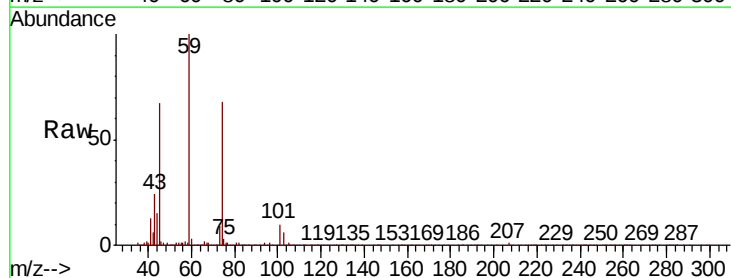
Tot Ion:101 Resp: 622357
Ion Ratio Lower Upper
101 100
103 68.8 54.6 82.0

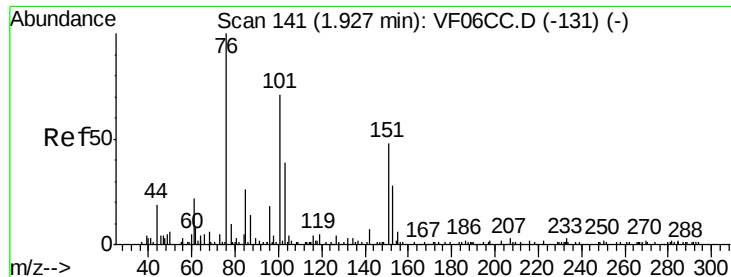


#8

Diethyl Ether
Concen: 53.460 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.00 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Tgt Ion: 74 Resp: 132234
Ion Ratio Lower Upper
74 100
45 98.3 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.173 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.02 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Instrument :

MSVOA_F

ClientSampleId :

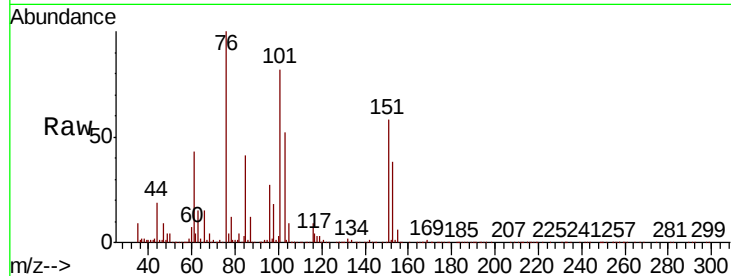
Tot Ion:101 Resp: 412390

Ion Ratio Lower Upper

101 100

85 49.6 37.1 55.7

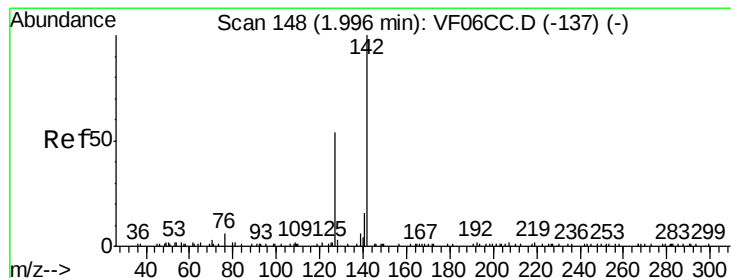
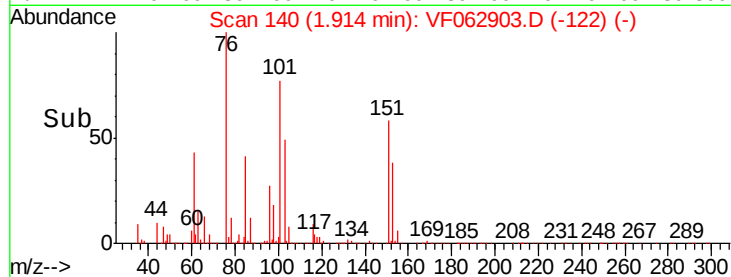
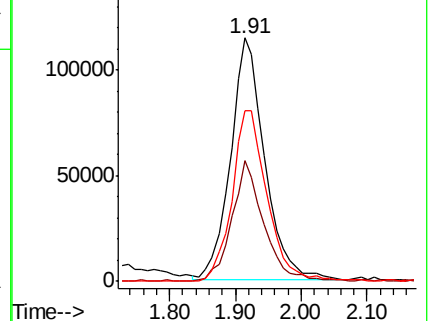
151 70.0 60.3 90.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 48.716 ug/l

RT: 1.99 min Scan# 148

Delta R.T. -0.02 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

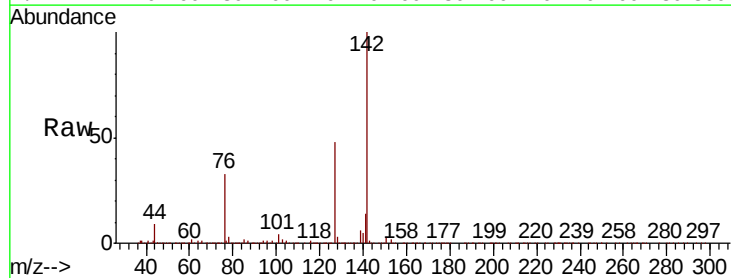
Tgt Ion:142 Resp: 772078

Ion Ratio Lower Upper

142 100

127 48.2 39.4 59.2

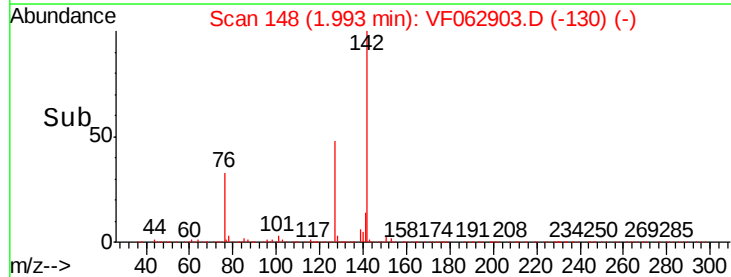
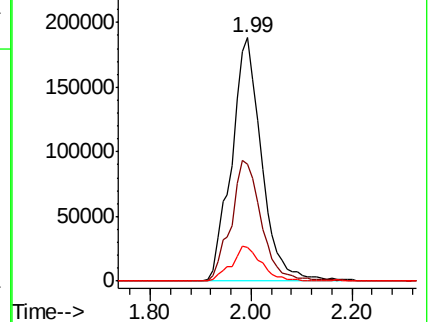
141 14.0 10.6 15.8

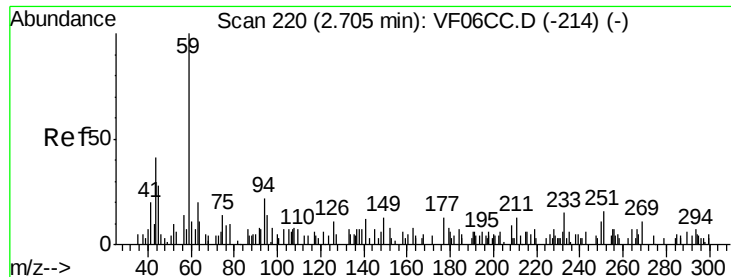


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



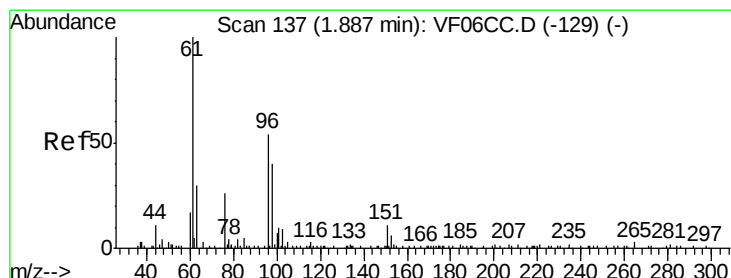
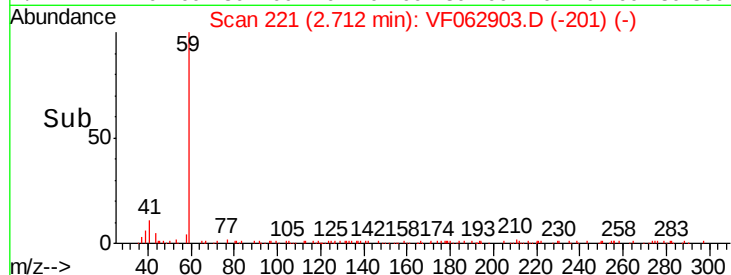
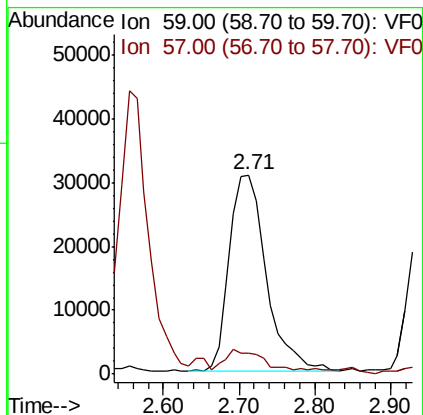
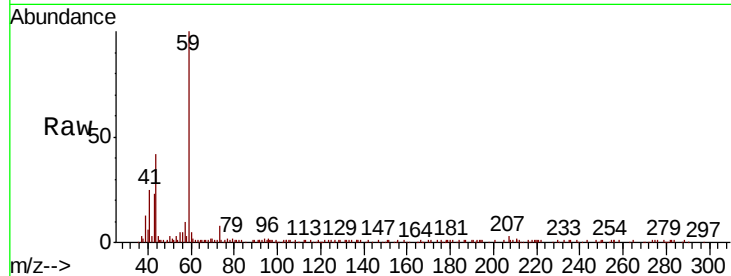


#11

Tert butyl alcohol
Concen: 290.994 ug/l
RT: 2.71 min Scan# 221
Delta R.T. -0.00 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Instrument :
MSVOA_F
ClientSampled :

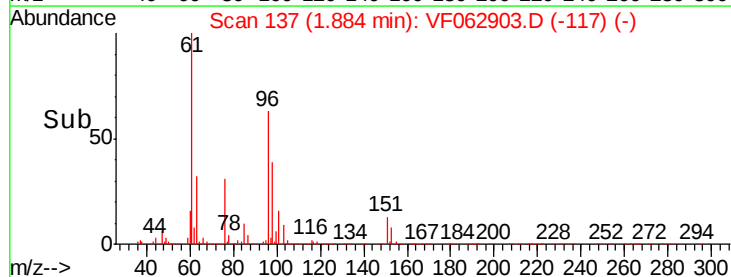
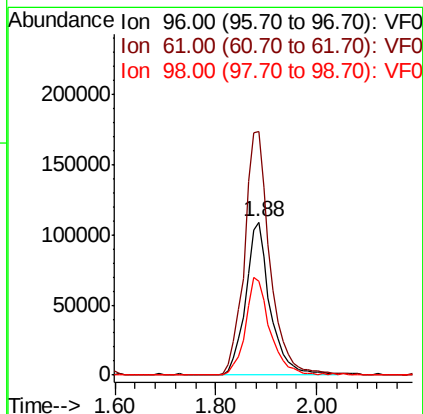
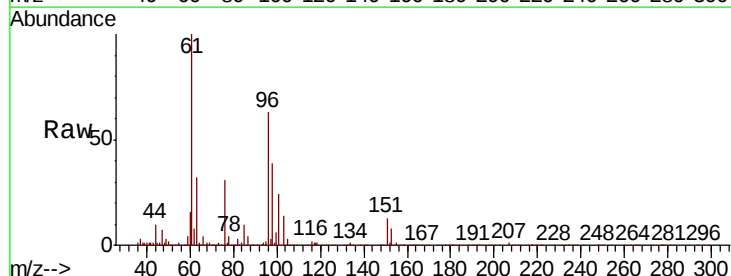
Tot Ion: 59 Resp: 105286
Ion Ratio Lower Upper
59 100
57 10.5 9.2 13.8

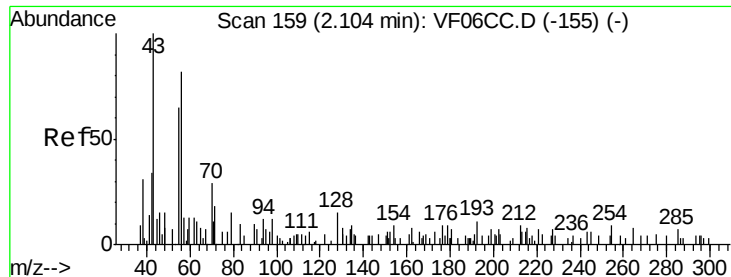


#12

1,1-Dichloroethene
Concen: 51.454 ug/l
RT: 1.88 min Scan# 137
Delta R.T. -0.00 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Tgt Ion: 96 Resp: 369309
Ion Ratio Lower Upper
96 100
61 159.0 139.4 209.2
98 61.5 50.3 75.5





#13

Acrolein

Concen: 316.371 ug/l

RT: 2.11 min Scan# 160

Delta R.T. -0.00 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

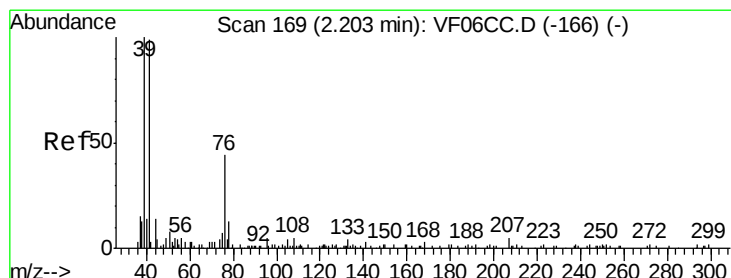
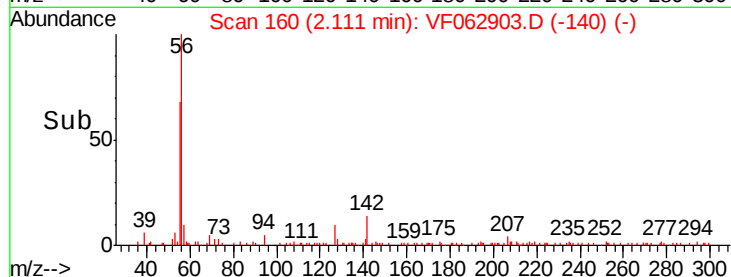
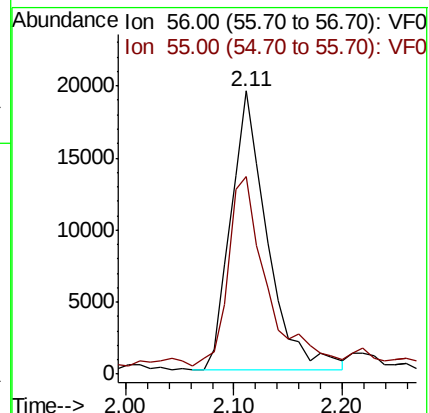
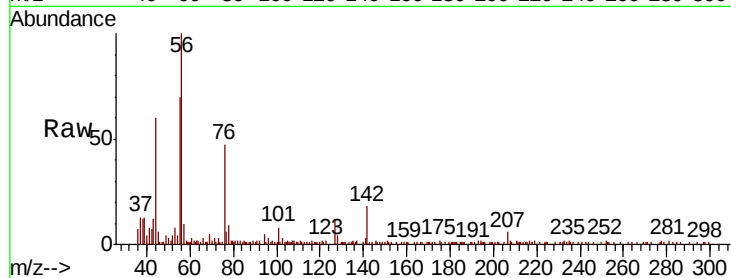
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 45415

Ion Ratio Lower Upper

56 100

55 69.7 52.9 79.3



#14

Allyl chloride

Concen: 75.476 ug/l

RT: 2.21 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

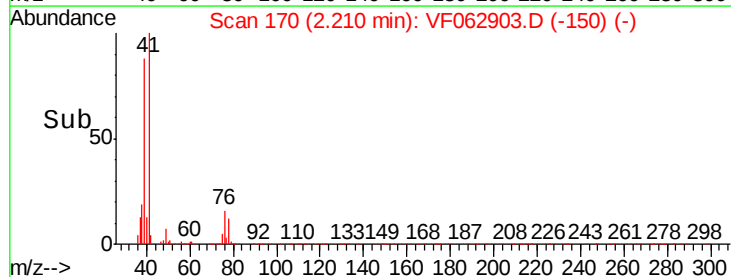
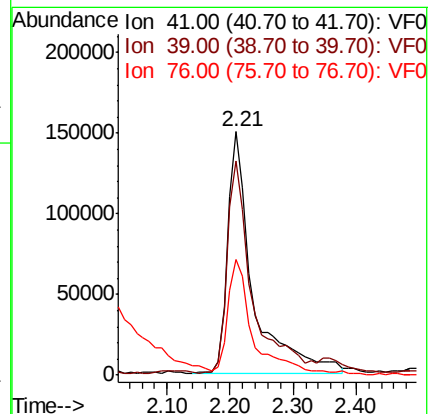
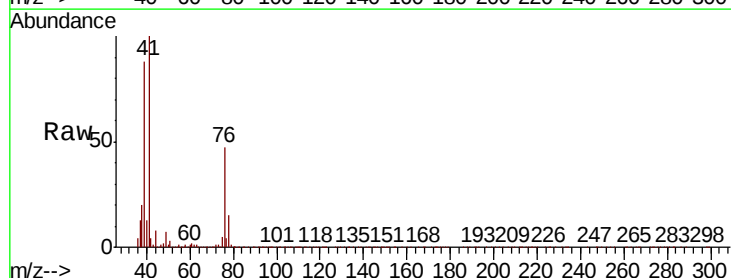
Tgt Ion: 41 Resp: 420270

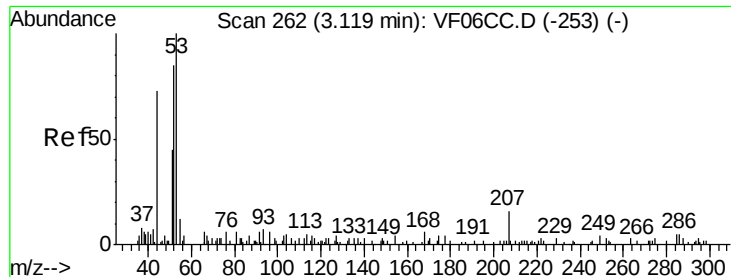
Ion Ratio Lower Upper

41 100

39 88.0 71.9 107.9

76 47.2 39.6 59.4





#15

Acrylonitrile

Concen: 205.296 ug/l

RT: 3.10 min Scan# 260

Delta R.T. -0.01 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Instrument :

MSVOA_F

ClientSampleId :

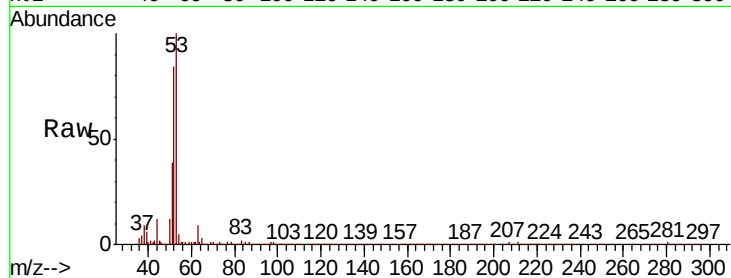
Tot Ion: 53 Resp: 279110

Ion Ratio Lower Upper

53 100

52 84.2 68.1 102.1

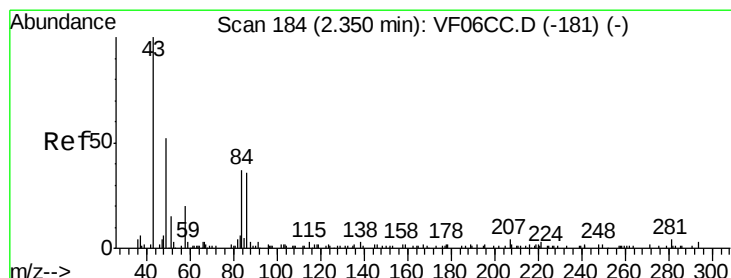
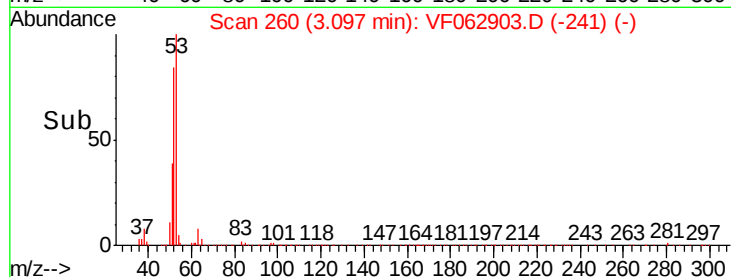
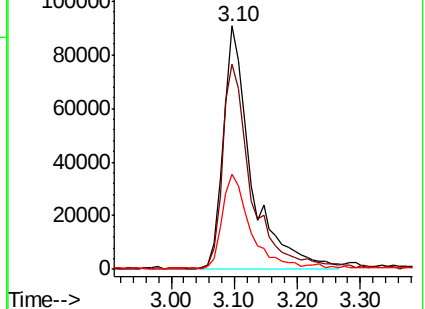
51 38.9 27.7 41.5



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: 270.540 ug/l

RT: 2.36 min Scan# 185

Delta R.T. -0.00 min

Lab File: VF062903.D

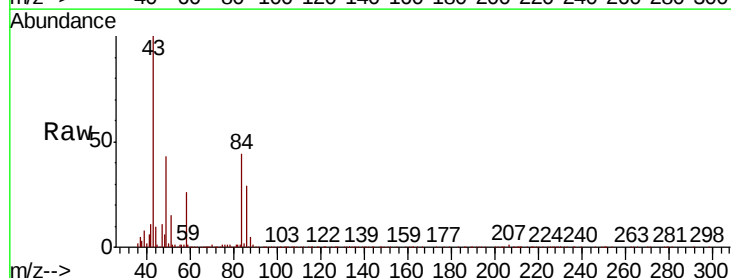
Acq: 7 Jun 2019 17:39

Tgt Ion: 43 Resp: 369827

Ion Ratio Lower Upper

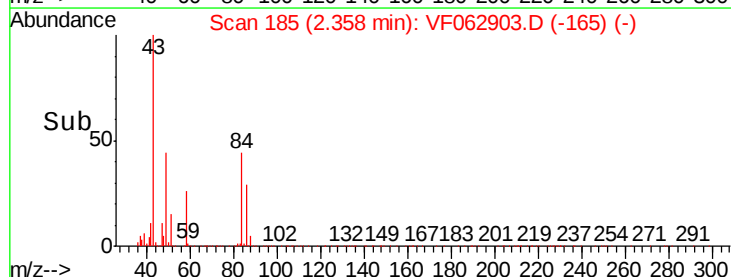
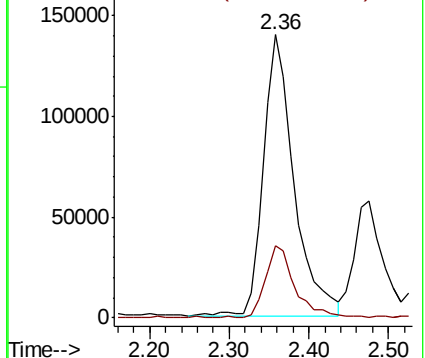
43 100

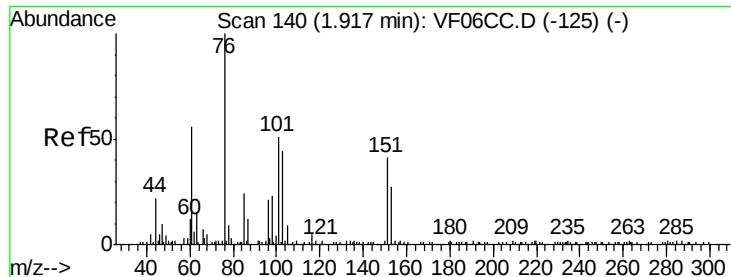
58 25.5 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

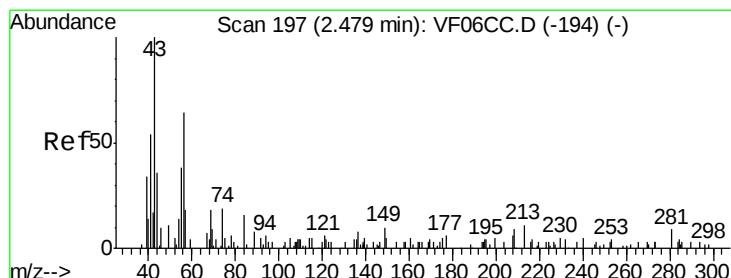
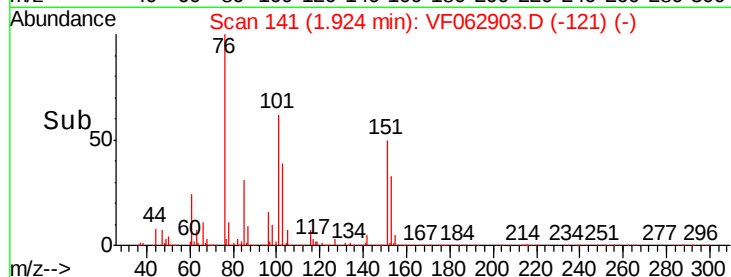
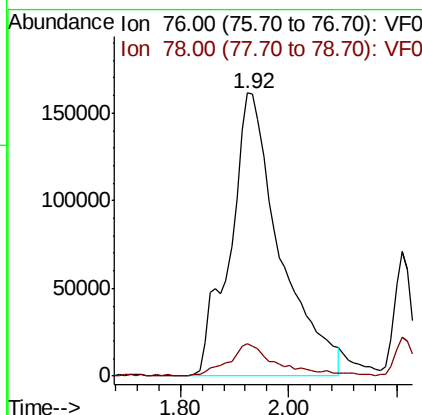
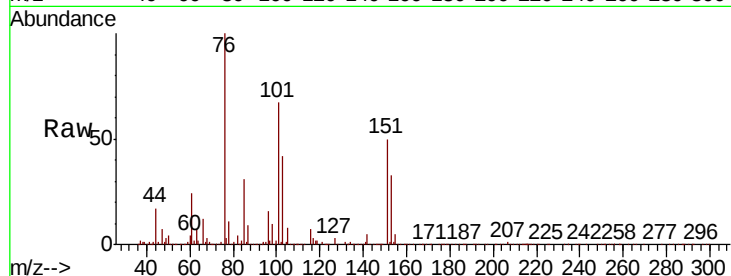




#17
Carbon Disulfide
Concen: 49.490 ug/l
RT: 1.92 min Scan# 141
Delta R.T. -0.00 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

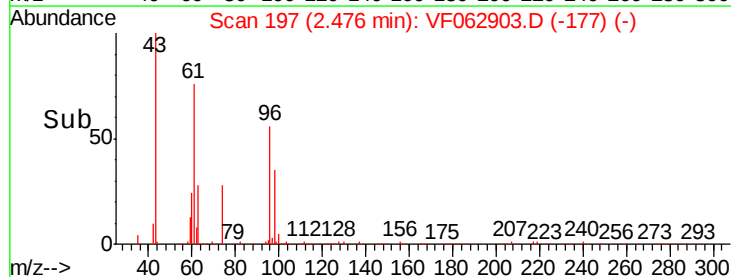
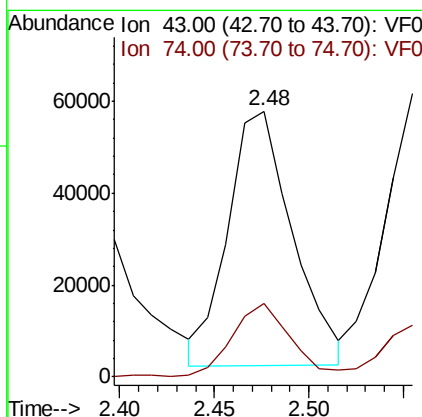
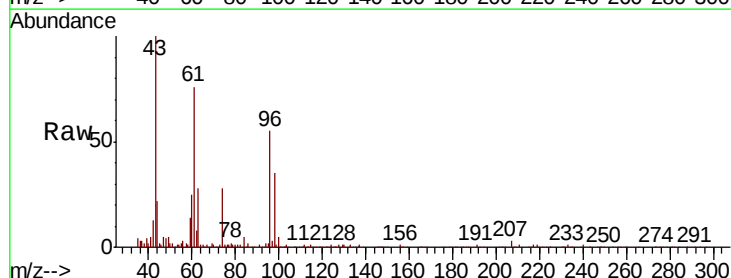
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 76 Resp: 1038201
Ion Ratio Lower Upper
76 100
78 11.5 9.4 14.2



#18
Methyl Acetate
Concen: 54.941 ug/l
RT: 2.48 min Scan# 197
Delta R.T. -0.00 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Tgt Ion: 43 Resp: 131244
Ion Ratio Lower Upper
43 100
74 27.7 22.1 33.1



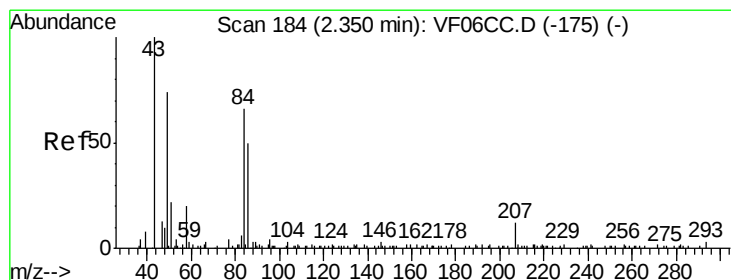
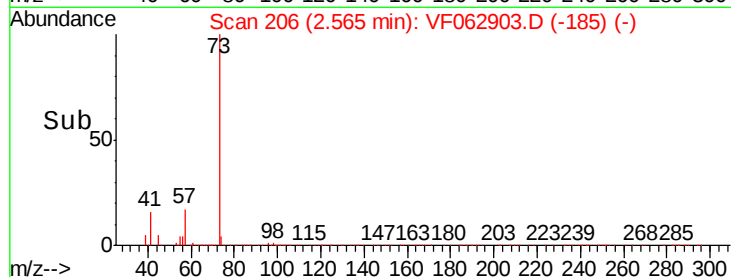
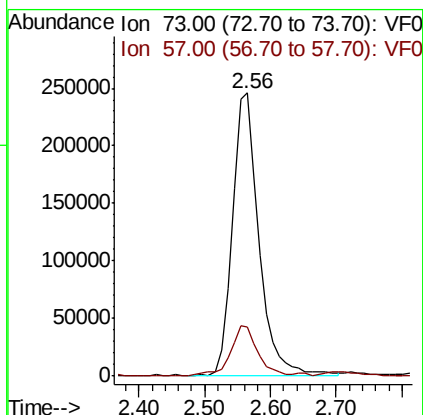
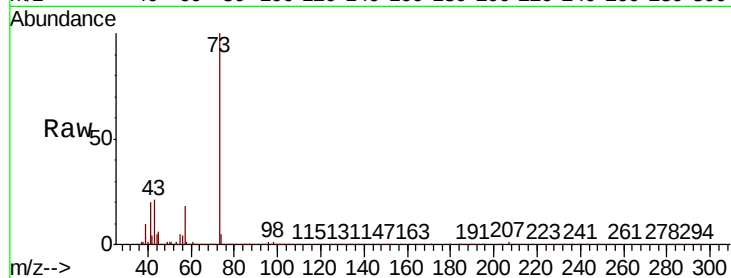


#19

Methyl tert-butyl Ether
Concen: 53.275 ug/l
RT: 2.56 min Scan# 206
Delta R.T. 0.01 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Instrument :
MSVOA_F
ClientSampled :

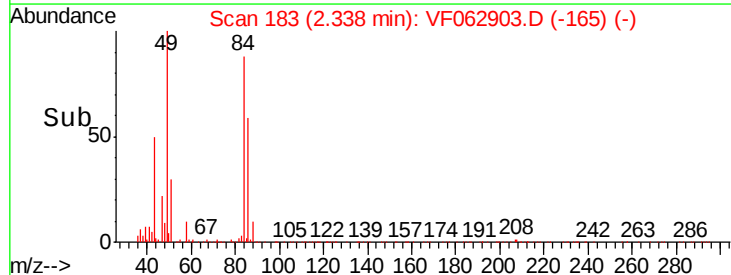
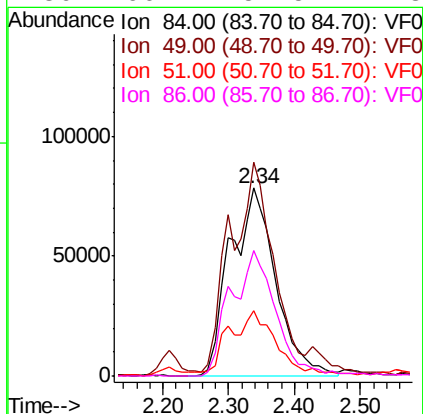
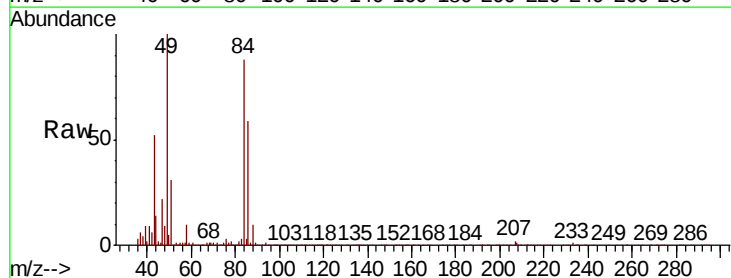
Tot Ion: 73 Resp: 692768
Ion Ratio Lower Upper
73 100
57 17.5 15.1 22.7

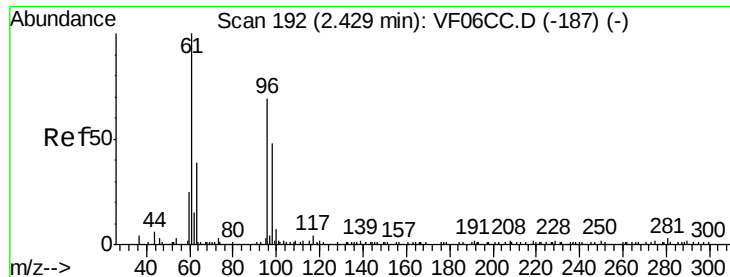


#20

Methylene Chloride
Concen: 55.927 ug/l
RT: 2.34 min Scan# 183
Delta R.T. -0.02 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Tgt Ion: 84 Resp: 380423
Ion Ratio Lower Upper
84 100
49 113.8 82.6 123.8
51 34.9 25.0 37.4
86 66.7 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 53.024 ug/l

RT: 2.44 min Scan# 193

Delta R.T. -0.00 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Instrument :

MSVOA_F

ClientSampleId :

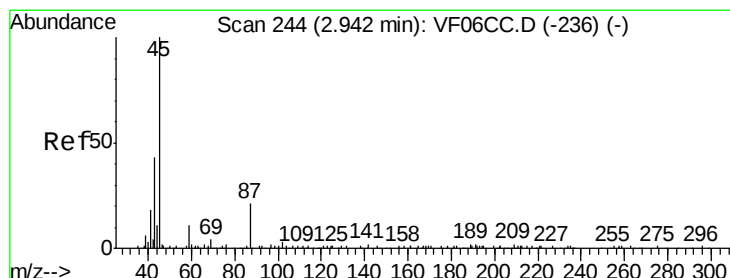
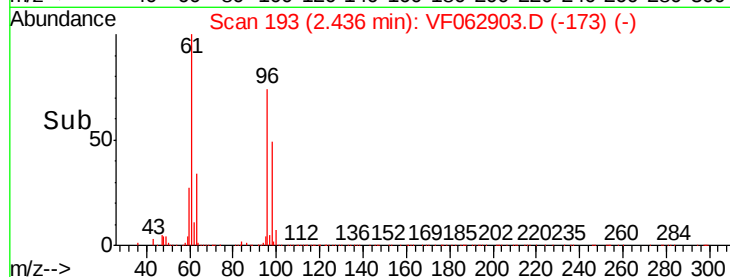
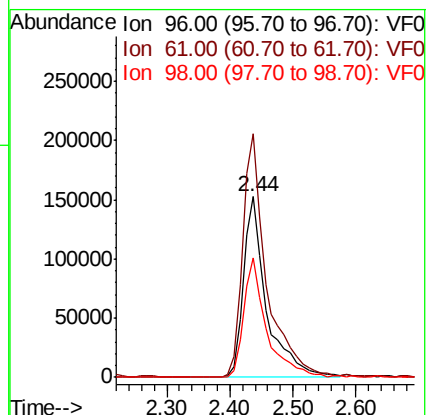
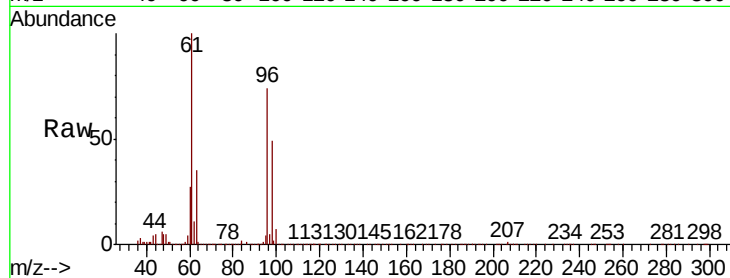
Tot Ion: 96 Resp: 381587

Ion Ratio Lower Upper

96 100

61 134.6 105.0 157.6

98 66.2 51.1 76.7



#22

Diisopropyl ether

Concen: 55.764 ug/l

RT: 2.95 min Scan# 245

Delta R.T. -0.00 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Tgt Ion: 45 Resp: 882182

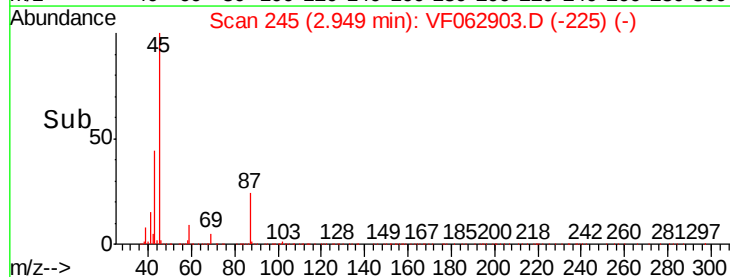
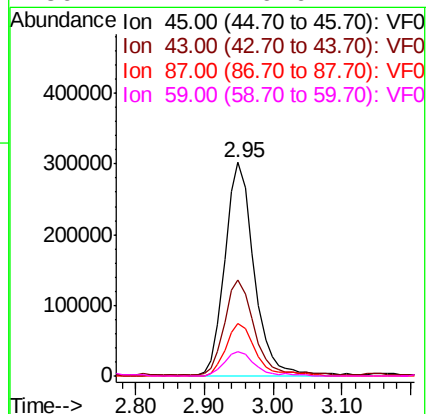
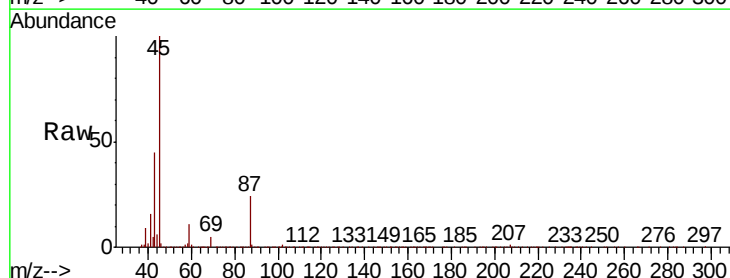
Ion Ratio Lower Upper

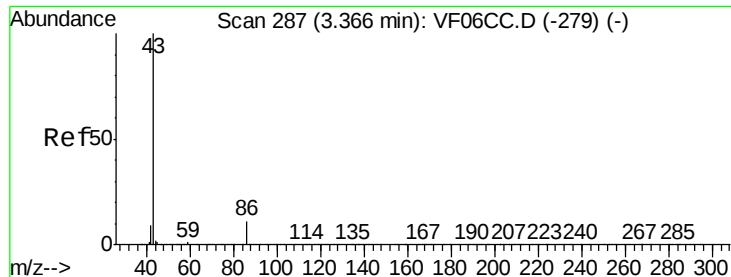
45 100

43 44.9 34.3 51.5

87 24.4 19.0 28.4

59 11.2 9.6 14.4





#23

Vinyl Acetate

Concen: 276.960 ug/l

RT: 3.35 min Scan# 286

Delta R.T. -0.01 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

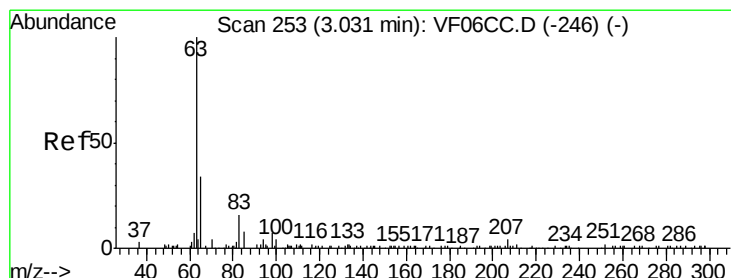
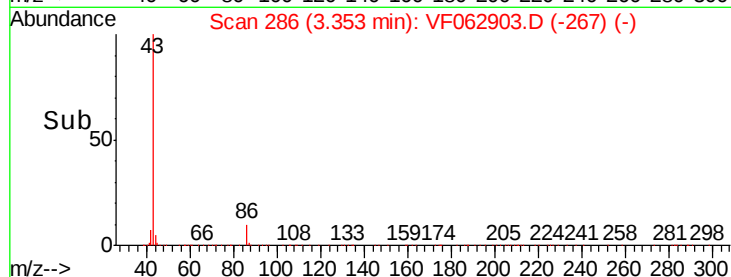
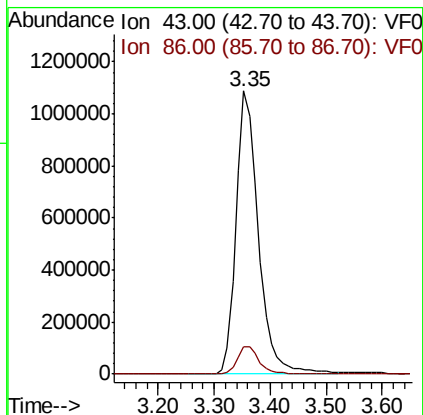
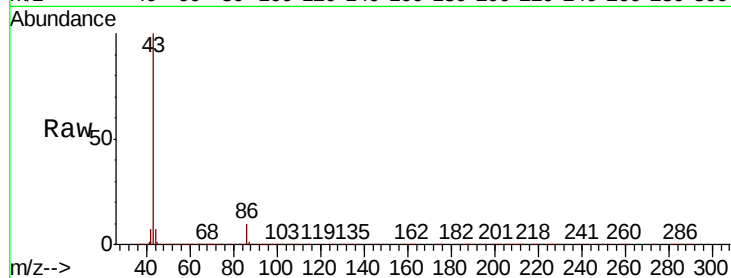
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 2999601

Ion Ratio Lower Upper

43 100

86 9.5 8.2 12.2



#24

1,1-Dichloroethane

Concen: 55.834 ug/l

RT: 3.03 min Scan# 253

Delta R.T. -0.00 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

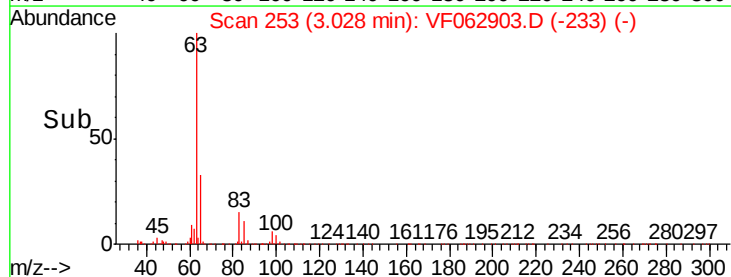
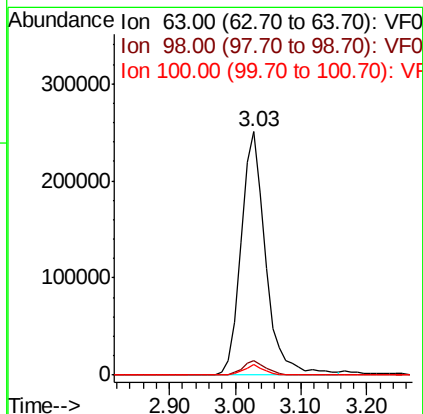
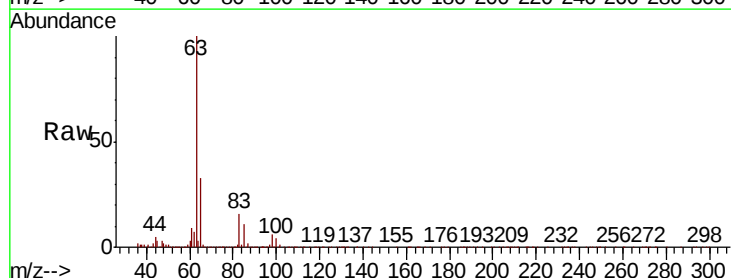
Tgt Ion: 63 Resp: 659496

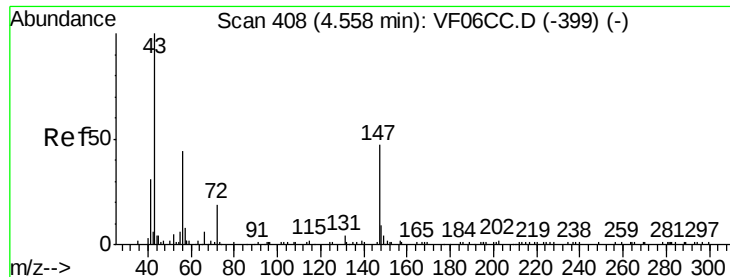
Ion Ratio Lower Upper

63 100

98 5.9 2.4 7.1

100 4.1 1.5 4.5

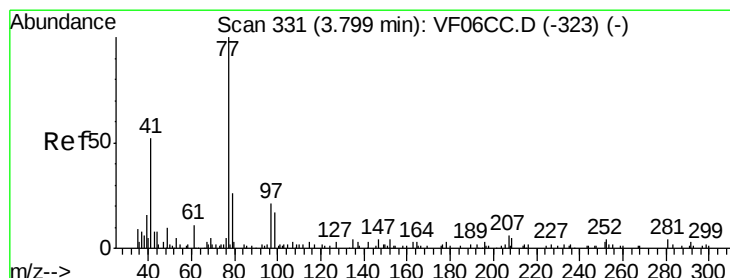
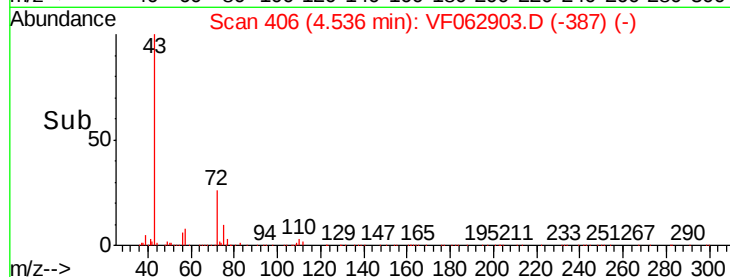
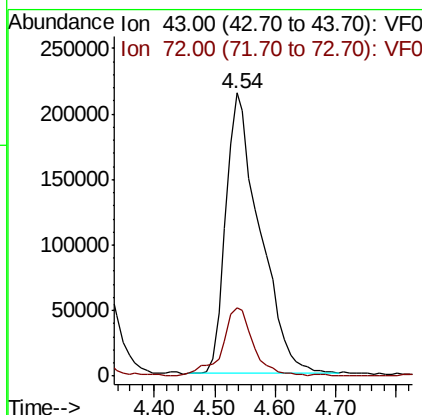
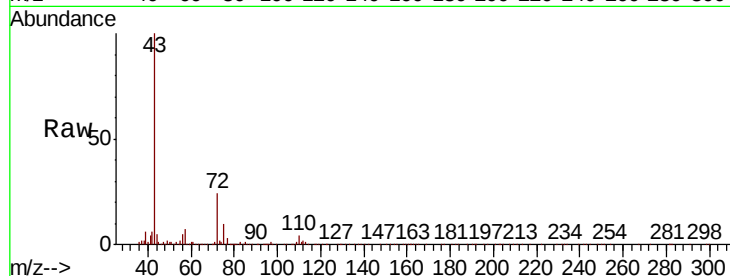




#25
2-Butanone
Concen: 263.250 ug/l
RT: 4.54 min Scan# 406
Delta R.T. -0.01 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

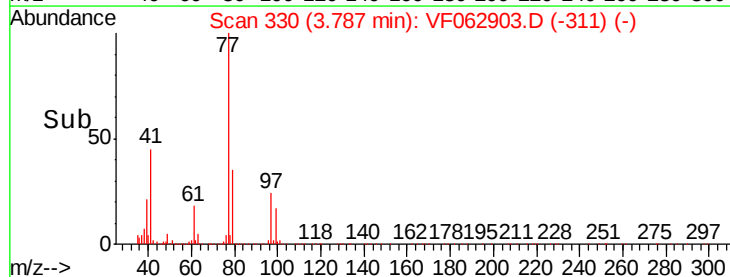
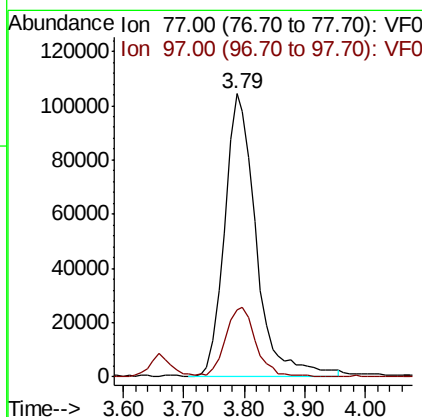
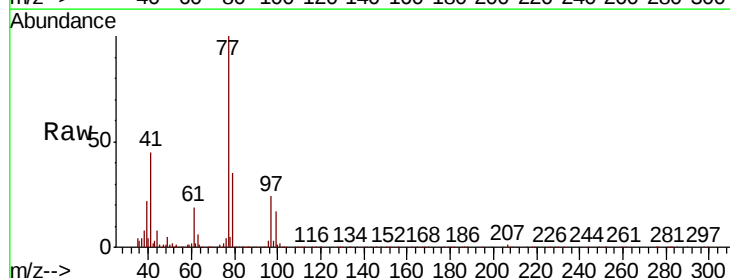
Instrument :
MSVOA_F
ClientSampleId :

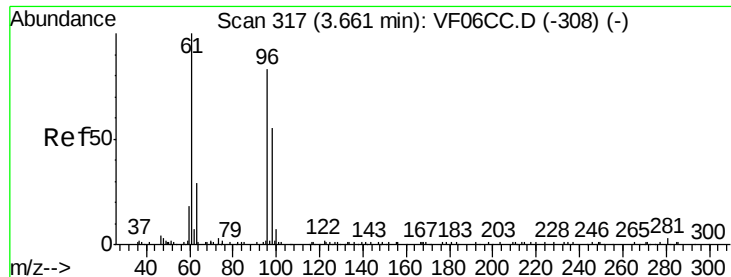
Tot Ion: 43 Resp: 838039
Ion Ratio Lower Upper
43 100
72 24.1 21.4 32.0



#26
2,2-Dichloropropane
Concen: 55.867 ug/l
RT: 3.79 min Scan# 330
Delta R.T. -0.01 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Tgt Ion: 77 Resp: 374689
Ion Ratio Lower Upper
77 100
97 23.6 12.4 37.4



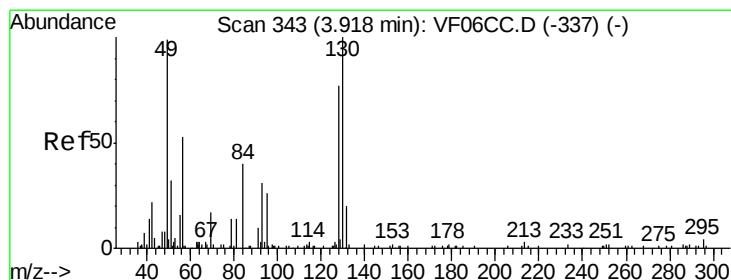
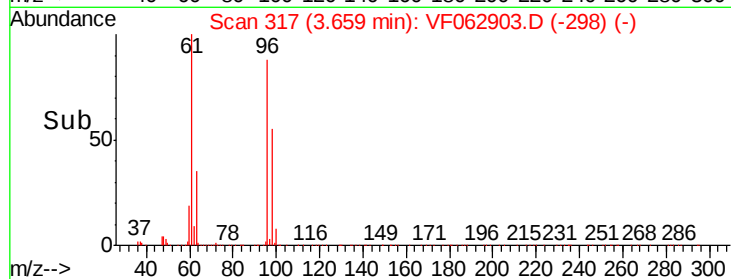
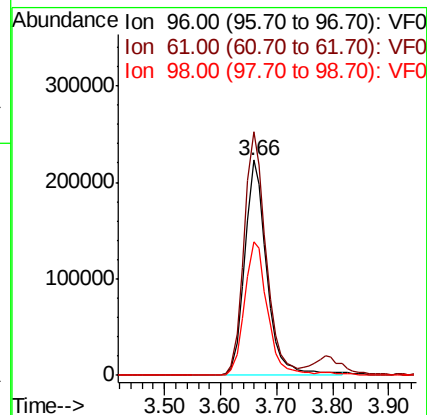
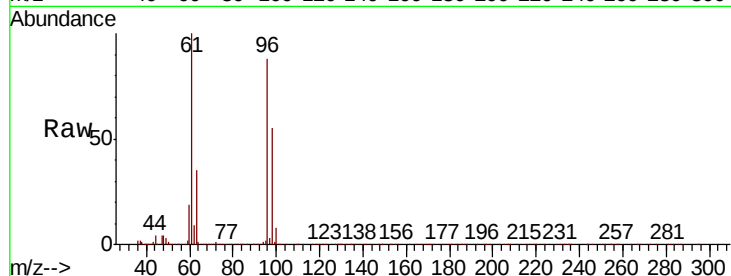


#27

cis-1,2-Dichloroethene
Concen: 50.049 ug/l
RT: 3.66 min Scan# 317
Delta R.T. -0.01 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Instrument :
MSVOA_F
ClientSampleId :

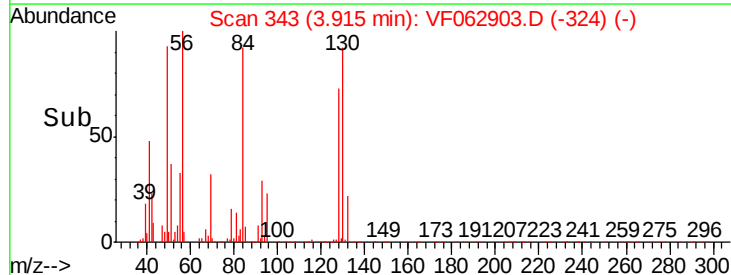
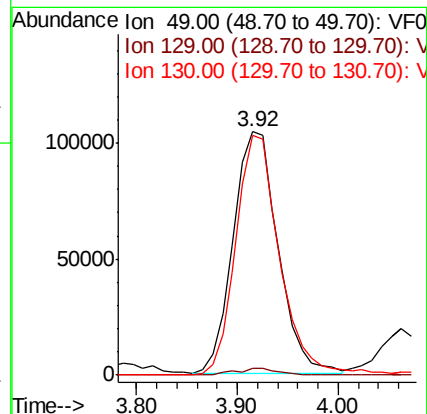
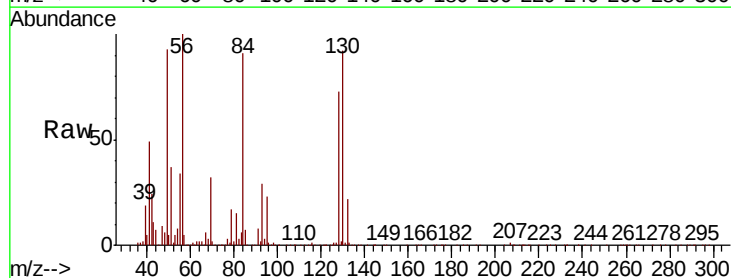
Tot Ion	Ratio	Lower	Upper
96	100		
61	113.1	0.0	213.8
98	61.8	0.0	127.0

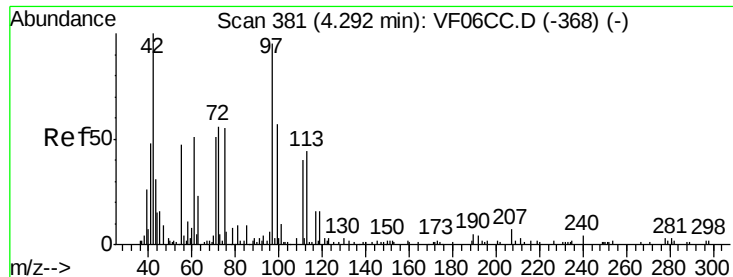


#28

Bromochloromethane
Concen: 50.157 ug/l
RT: 3.92 min Scan# 343
Delta R.T. -0.01 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.4
130	98.6	79.2	118.8

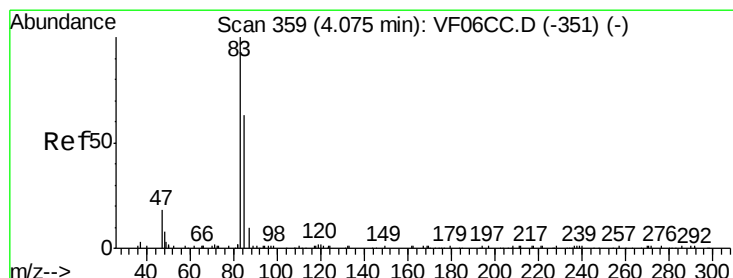
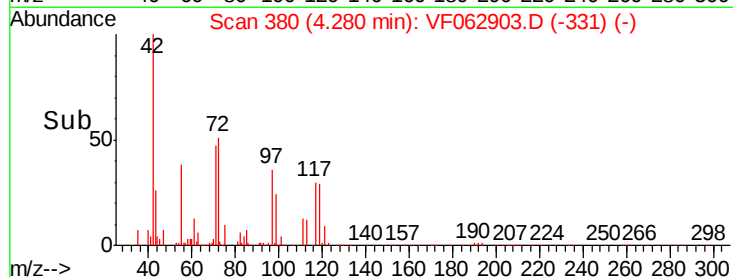
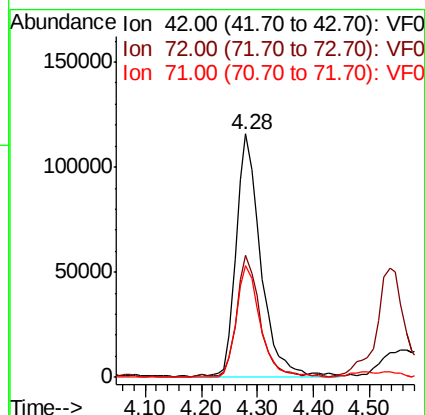
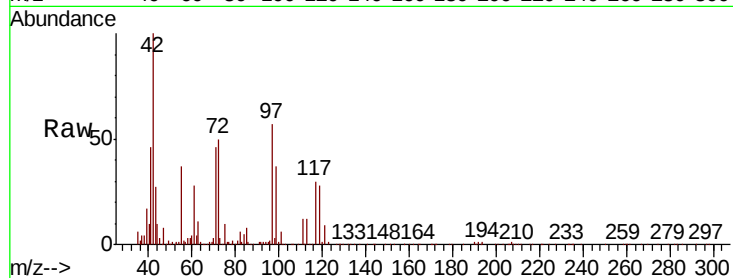




#29
Tetrahydrofuran
Concen: 288.848 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

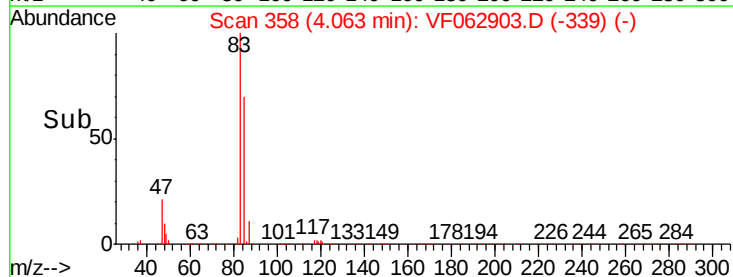
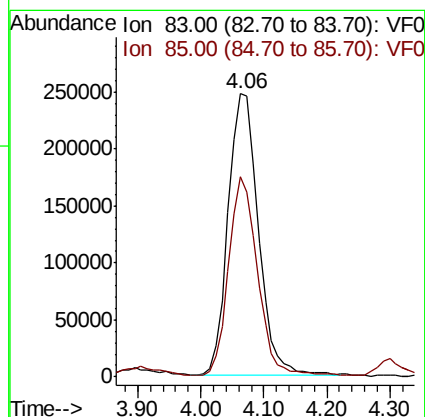
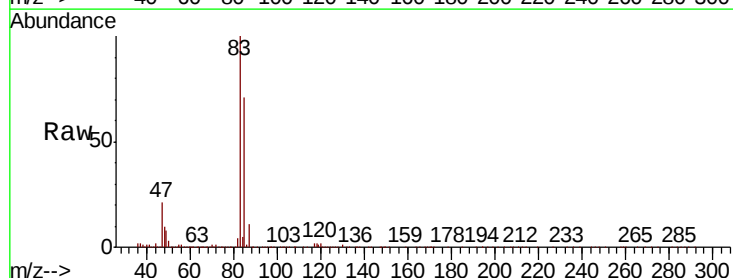
Instrument :
MSVOA_F
ClientSampleId :

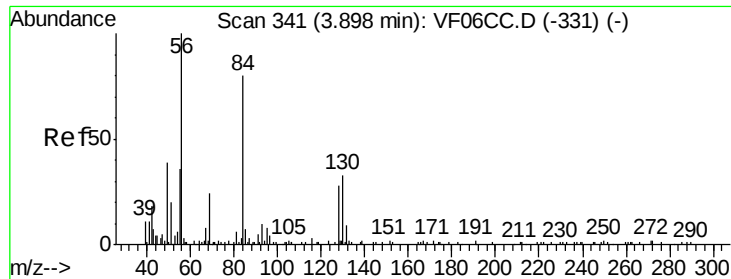
Tot Ion: 42 Resp: 351693
Ion Ratio Lower Upper
42 100
72 47.3 39.0 58.6
71 45.4 36.9 55.3



#30
Chloroform
Concen: 49.128 ug/l
RT: 4.06 min Scan# 358
Delta R.T. -0.01 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Tgt Ion: 83 Resp: 817838
Ion Ratio Lower Upper
83 100
85 70.7 55.0 82.6

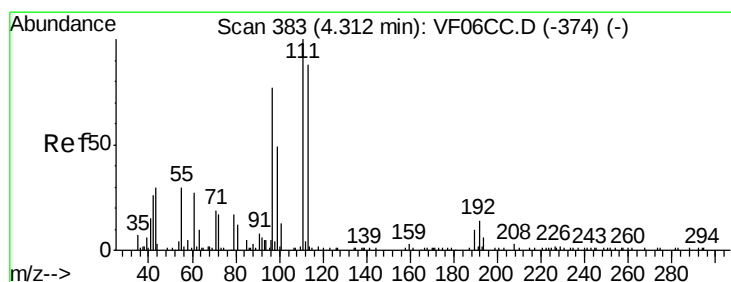
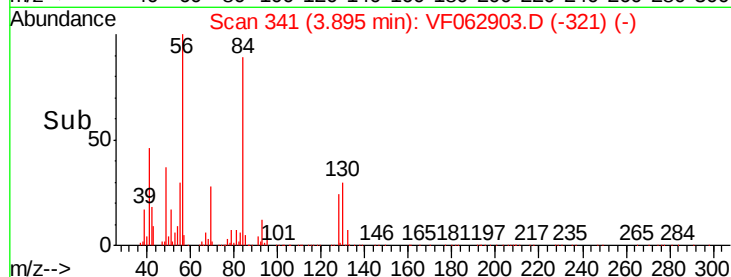
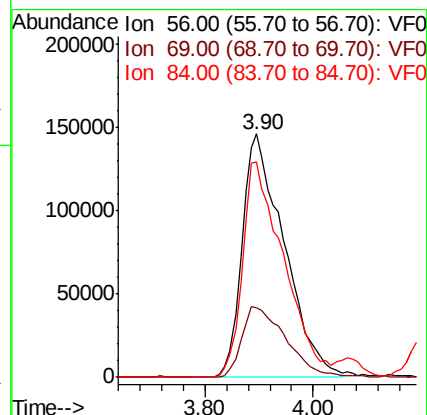
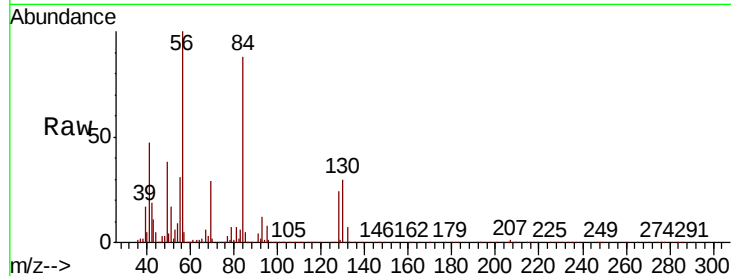




#31
Cyclohexane
Concen: 49.135 ug/l
RT: 3.90 min Scan# 341
Delta R.T. -0.00 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

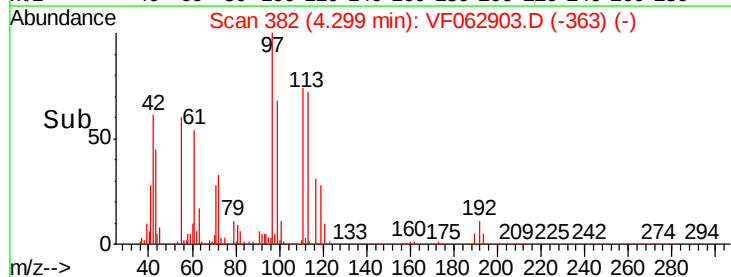
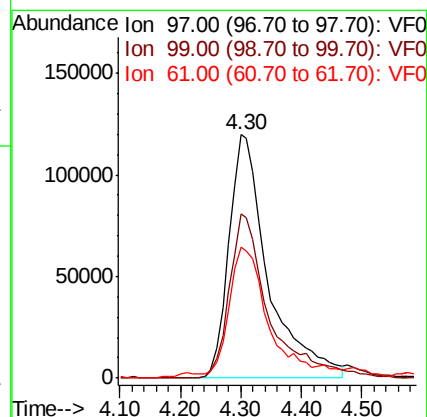
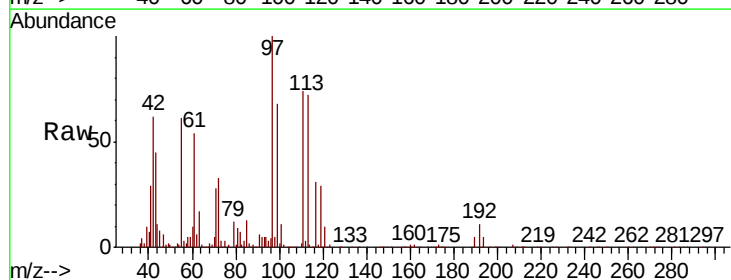
Instrument :
MSVOA_F
ClientSampled :

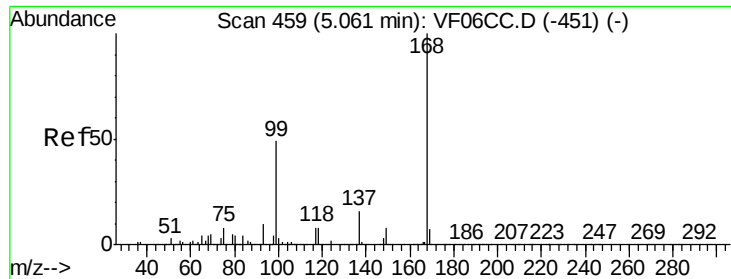
Tot Ion: 56 Resp: 785742
Ion Ratio Lower Upper
56 100
69 28.6 26.7 40.1
84 88.5 74.3 111.5



#32
1,1,1-Trichloroethane
Concen: 55.908 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.01 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Tgt Ion: 97 Resp: 541888
Ion Ratio Lower Upper
97 100
99 67.7 51.7 77.5
61 53.9 38.9 58.3

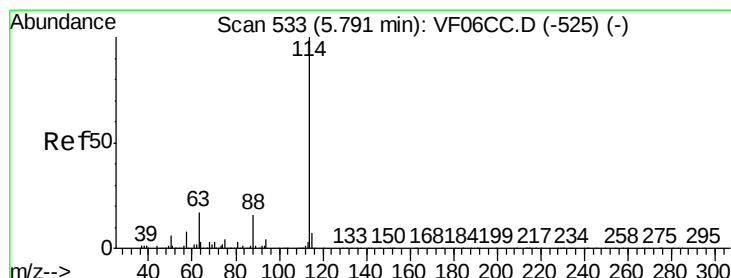
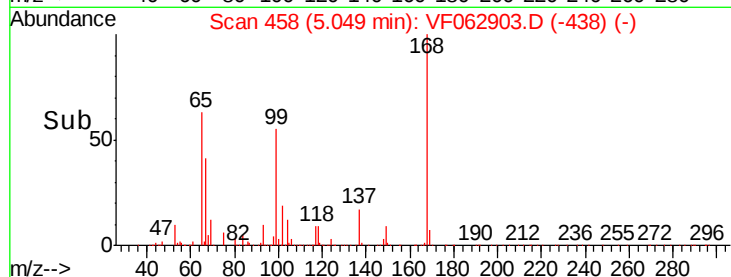
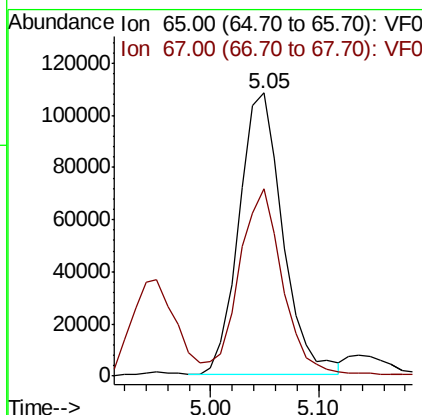
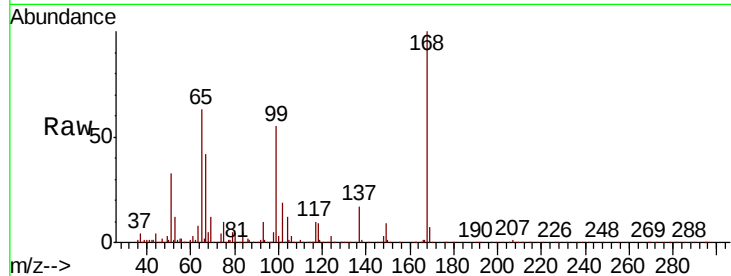




#33
 1,2-Dichloroethane-d4
 Concen: 50.807 ug/l
 RT: 5.05 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: VF062903.D
 Acq: 7 Jun 2019 17:39

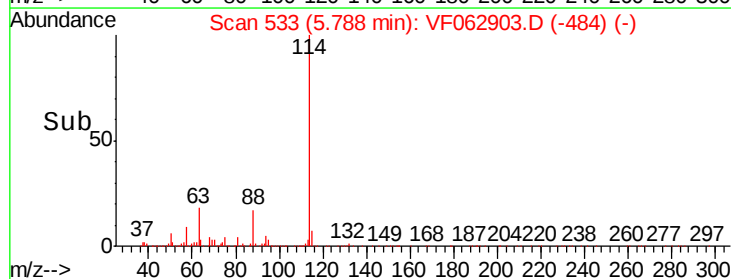
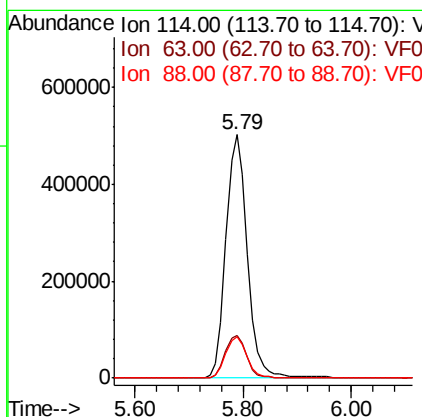
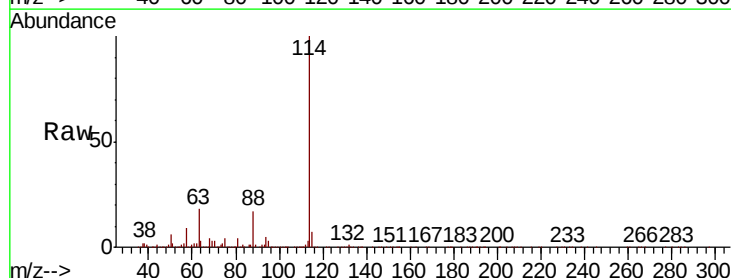
Instrument :
 MSVOA_F
 ClientSampled :

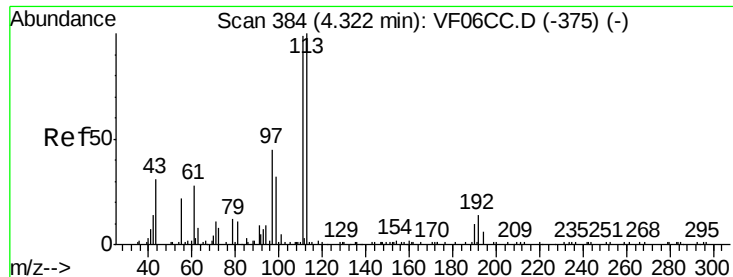
Tot Ion: 65 Resp: 303453
 Ion Ratio Lower Upper
 65 100
 67 66.2 0.0 121.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.79 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VF062903.D
 Acq: 7 Jun 2019 17:39

Tgt Ion: 114 Resp: 1379556
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 34.2
 88 16.9 0.0 31.2

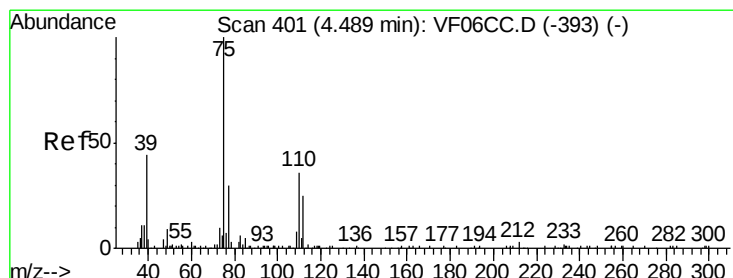
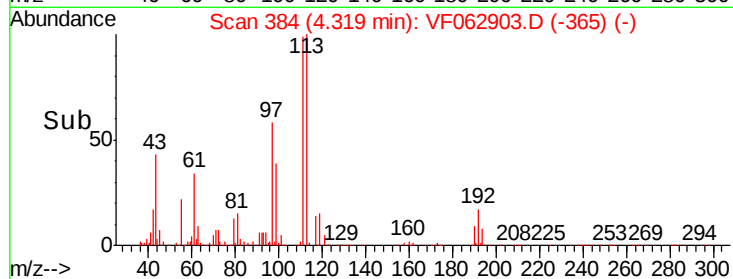
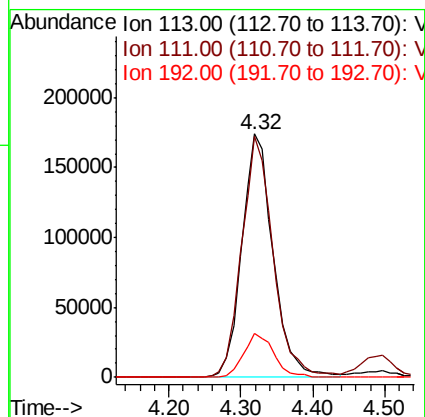
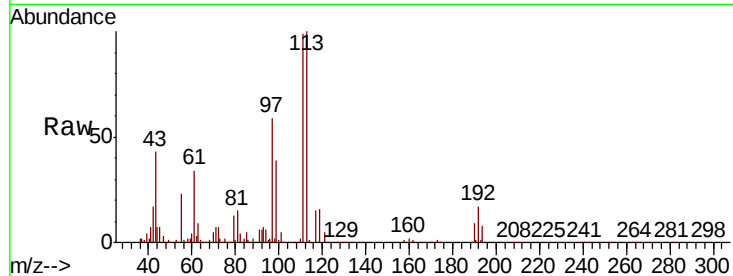




#35
 Dibromofluoromethane
 Concen: 50.331 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. -0.01 min
 Lab File: VF062903.D
 Acq: 7 Jun 2019 17:39

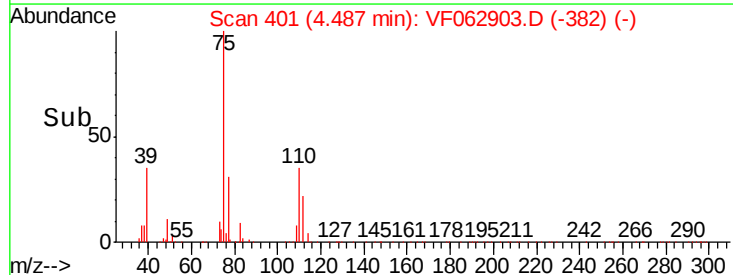
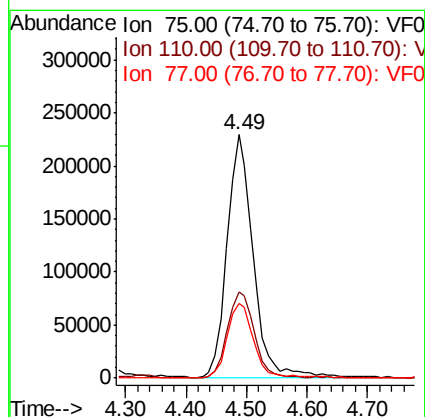
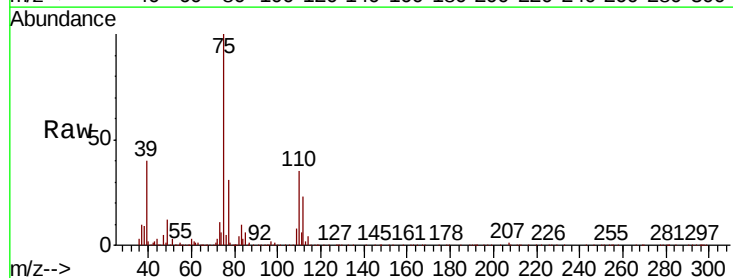
Instrument :
 MSVOA_F
 ClientSampleId :

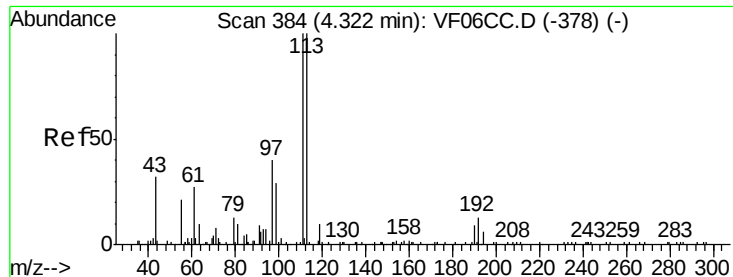
Tot Ion	Ratio	Lower	Upper
113	100		
111	98.8	81.9	122.9
192	17.9	15.1	22.7



#36
 1,1-Dichloropropene
 Concen: 53.507 ug/l
 RT: 4.49 min Scan# 401
 Delta R.T. -0.01 min
 Lab File: VF062903.D
 Acq: 7 Jun 2019 17:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.2	19.4	58.1
77	30.7	25.4	38.2

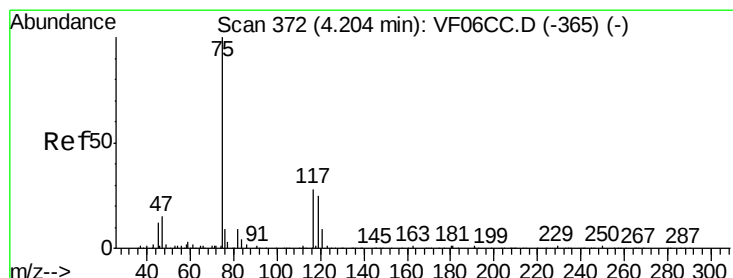
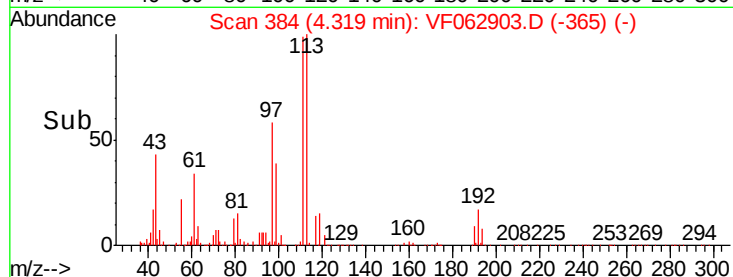
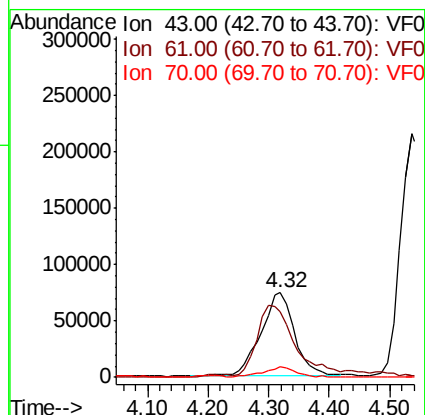
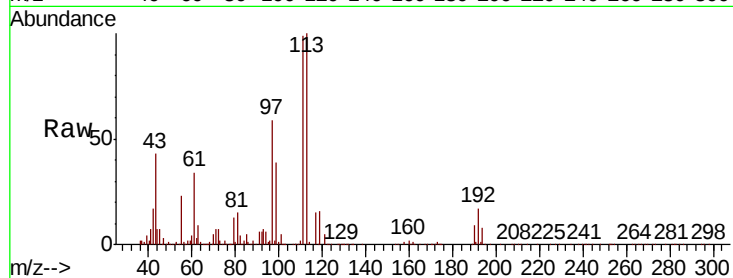




#37
Ethyl Acetate
Concen: 59.587 ug/l
RT: 4.32 min Scan# 384
Delta R.T. -0.01 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

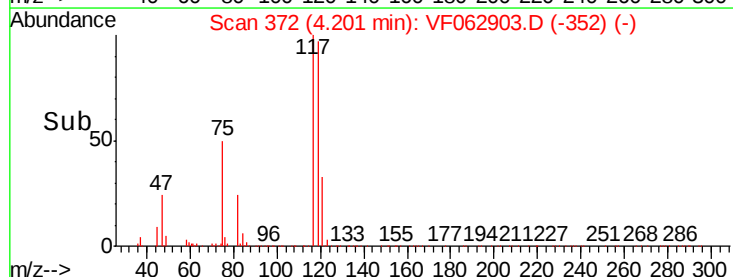
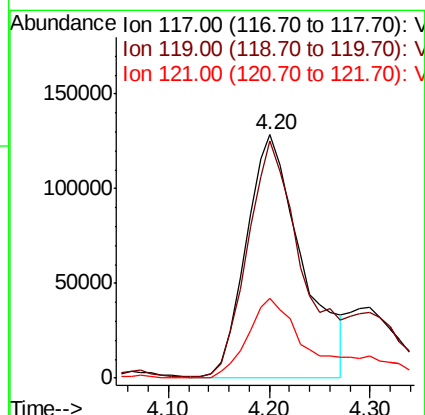
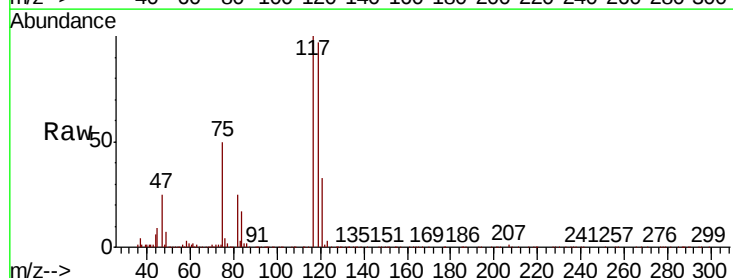
Instrument :
MSVOA_F
ClientSampleID :

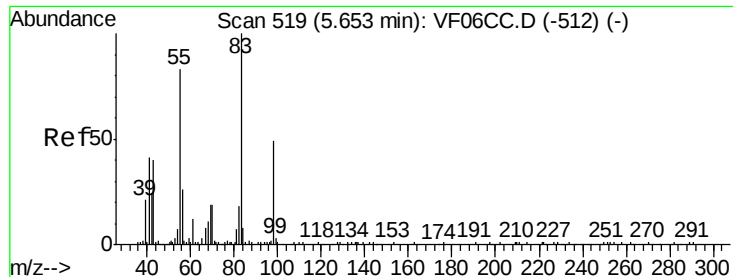
Tot Ion	43	Ratio	Lower	Upper
289280	100			
	61	78.4	59.1	88.7
	70	12.5	10.1	15.1



#38
Carbon Tetrachloride
Concen: 57.228 ug/l
RT: 4.20 min Scan# 372
Delta R.T. -0.00 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Tgt Ion	117	Ratio	Lower	Upper
491198	100			
	119	97.3	78.2	117.2
	121	32.7	28.2	42.2

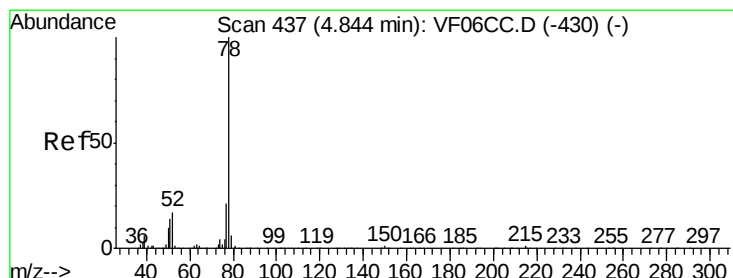
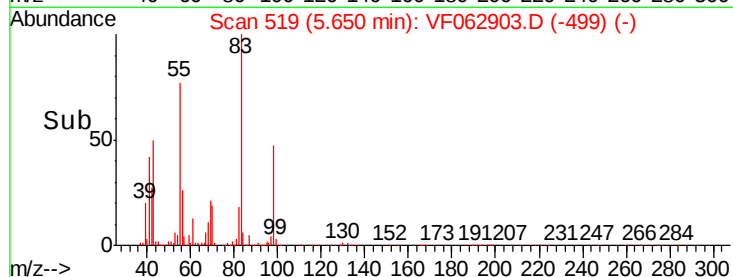
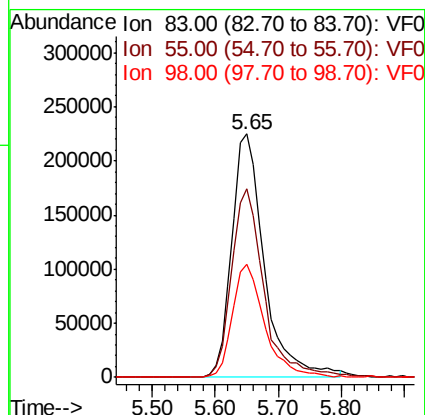
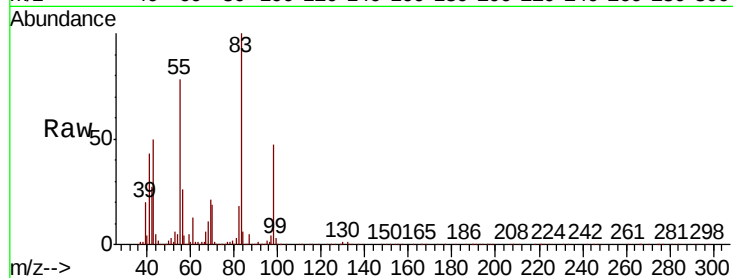




#39
Methvlcvclohexane
Concen: 50.893 ug/l
RT: 5.65 min Scan# 519
Delta R.T. -0.00 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

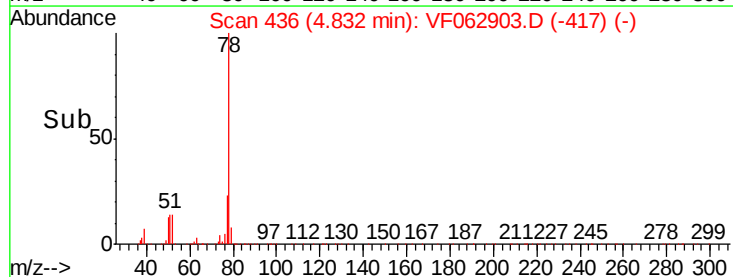
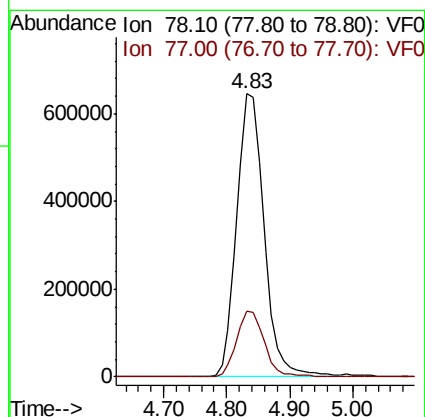
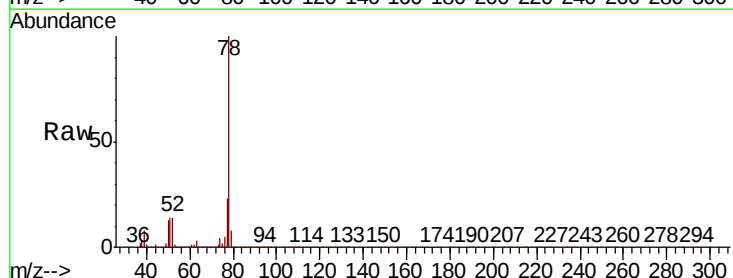
Instrument :
MSVOA_F
ClientSampleId :

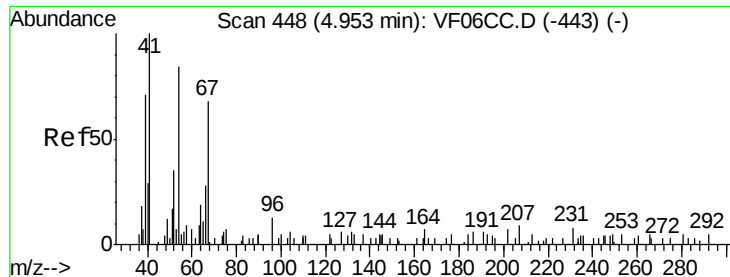
Tot Ion: 83 Resp: 804440
Ion Ratio Lower Upper
83 100
55 77.6 61.6 92.4
98 46.7 37.4 56.2



#40
Benzene
Concen: 52.665 ug/l
RT: 4.83 min Scan# 436
Delta R.T. -0.01 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Tgt Ion: 78 Resp: 1946582
Ion Ratio Lower Upper
78 100
77 23.5 18.9 28.3

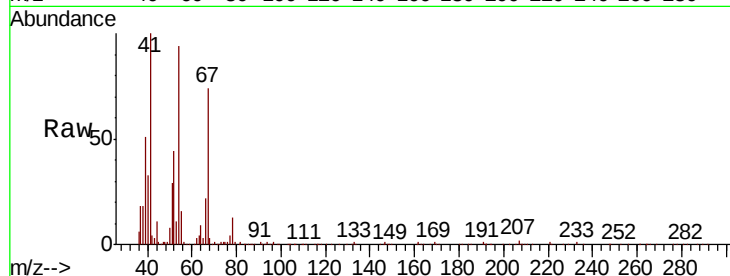




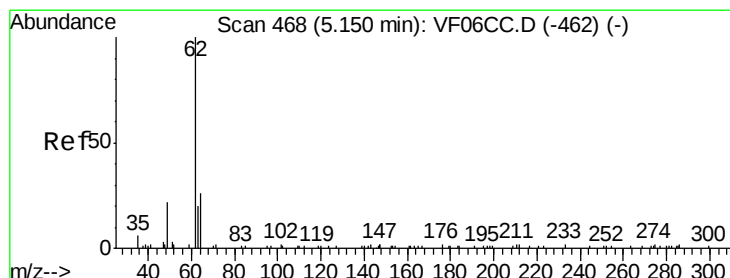
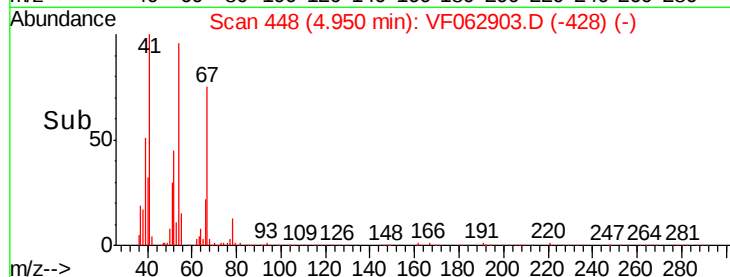
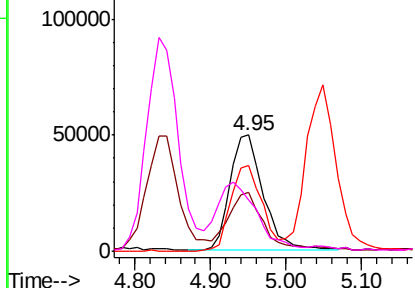
#41
Methacrylonitrile
Concen: 55.898 ug/l
RT: 4.95 min Scan# 448
Delta R.T. -0.00 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	41	Resp:	150863
Ion	Ratio	Lower	Upper
41	100		
39	51.2	42.0	63.0
67	74.3	61.4	92.0
52	43.9	42.1	63.1

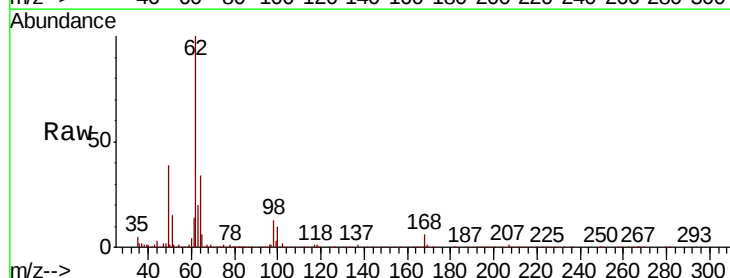


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

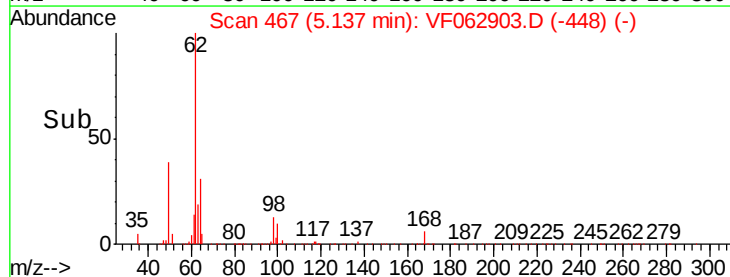
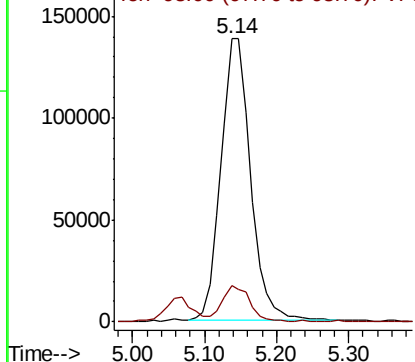


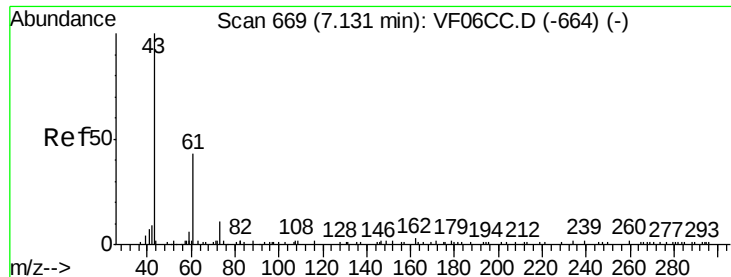
#42
1,2-Dichloroethane
Concen: 56.192 ug/l
RT: 5.14 min Scan# 467
Delta R.T. -0.01 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Tgt Ion:	62	Resp:	395020
Ion	Ratio	Lower	Upper
62	100		
98	12.9	0.0	24.0



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



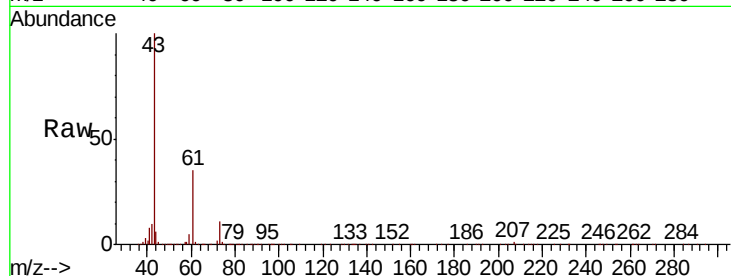


#43

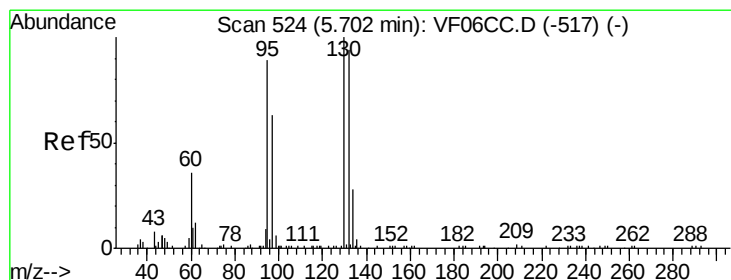
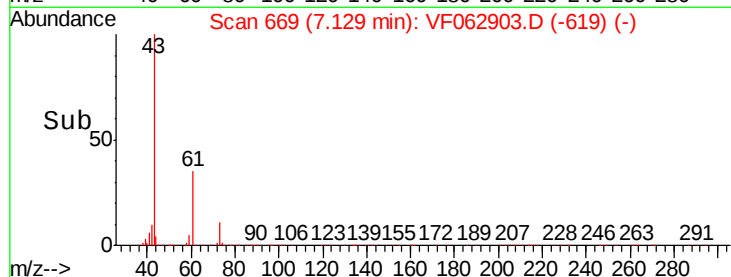
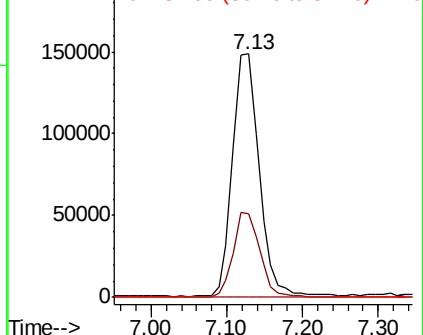
Isopropyl Acetate
 Concen: 56.514 ug/l
 RT: 7.13 min Scan# 669
 Delta R.T. -0.00 min
 Lab File: VF062903.D
 Acq: 7 Jun 2019 17:39

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion: 43 Resp: 362434
 Ion Ratio Lower Upper
 43 100
 61 34.5 29.8 44.6
 87 0.3 0.3 0.5



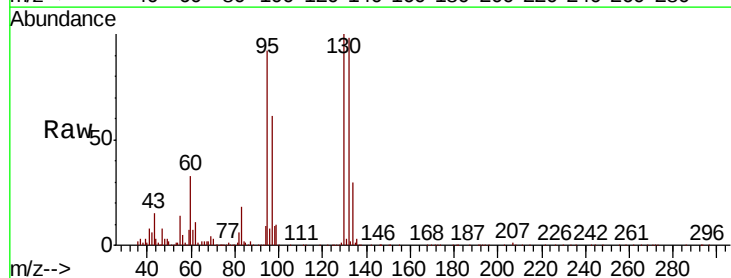
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



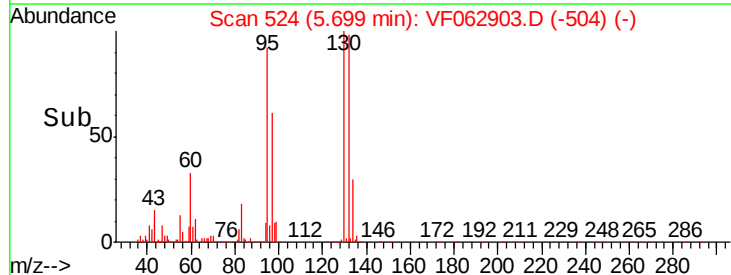
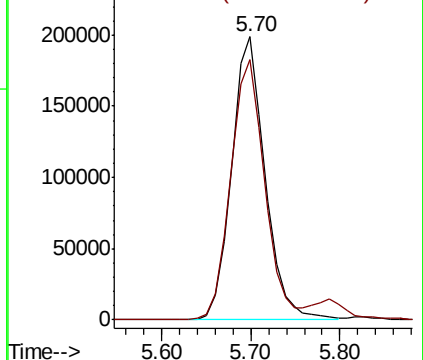
#44

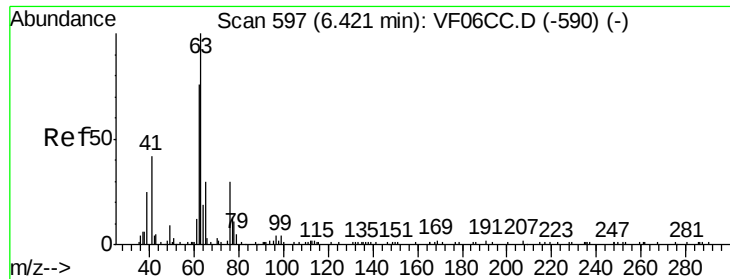
Trichloroethene
 Concen: 49.962 ug/l
 RT: 5.70 min Scan# 524
 Delta R.T. -0.00 min
 Lab File: VF062903.D
 Acq: 7 Jun 2019 17:39

Tgt Ion: 130 Resp: 521181
 Ion Ratio Lower Upper
 130 100
 95 91.8 0.0 188.2



Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 55.378 ug/l

RT: 6.42 min Scan# 597

Delta R.T. -0.01 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

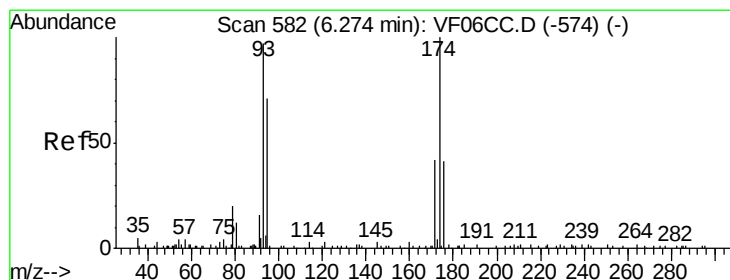
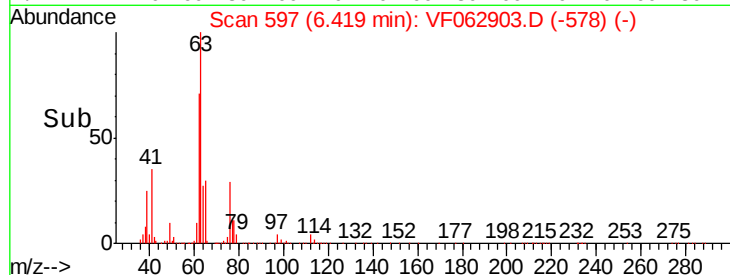
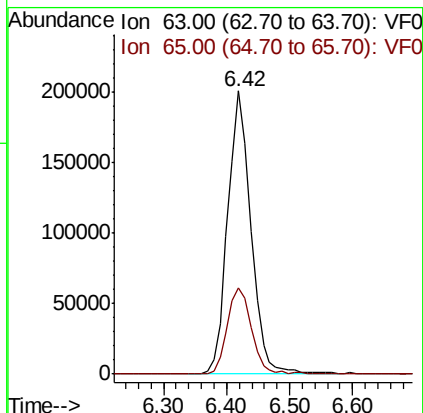
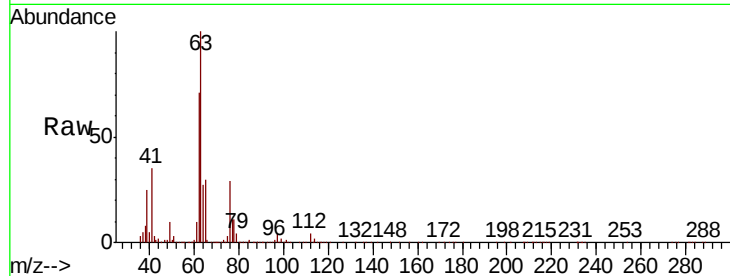
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 513658

Ion Ratio Lower Upper

63 100

65 30.3 24.2 36.2



#46

Dibromomethane

Concen: 53.957 ug/l

RT: 6.27 min Scan# 582

Delta R.T. -0.01 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

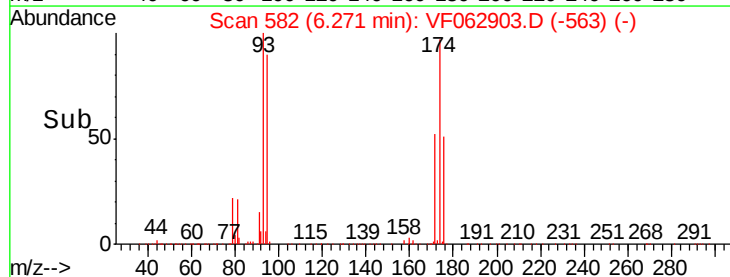
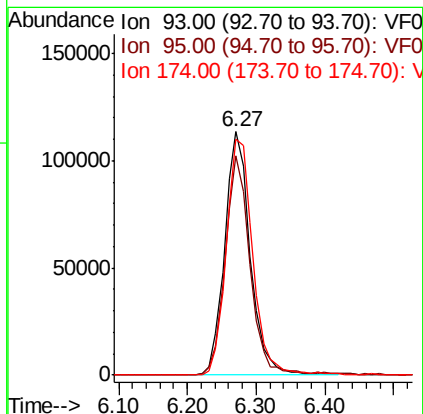
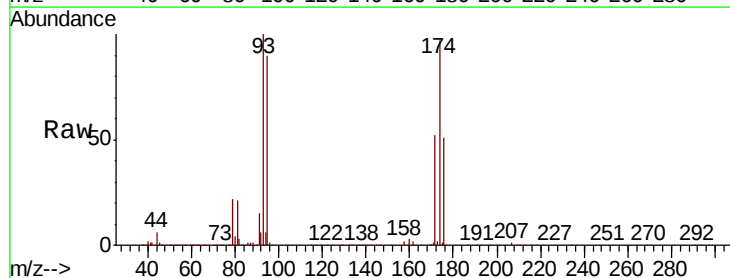
Tgt Ion: 93 Resp: 292200

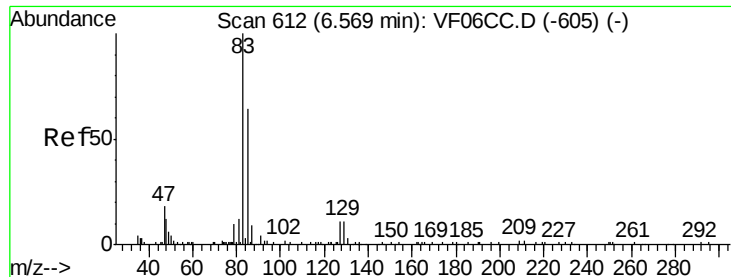
Ion Ratio Lower Upper

93 100

95 90.1 67.9 101.9

174 96.8 85.0 127.4





#47

Bromodichloromethane

Concen: 53.207 ug/l

RT: 6.57 min Scan# 612

Delta R.T. -0.01 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Instrument :
MSVOA_F
ClientSampleId :

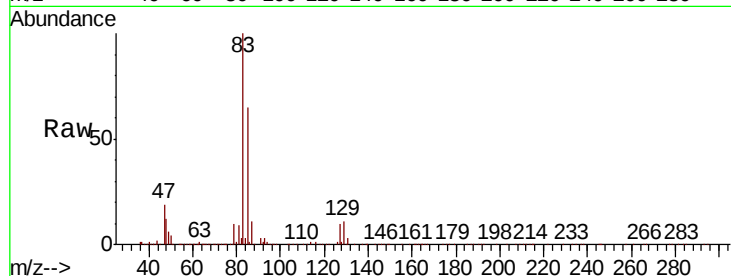
Tot Ion: 83 Resp: 586810

Ion Ratio Lower Upper

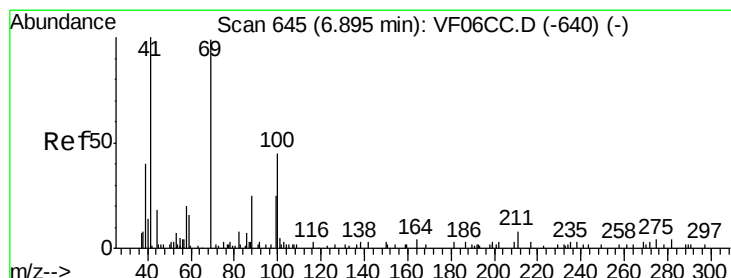
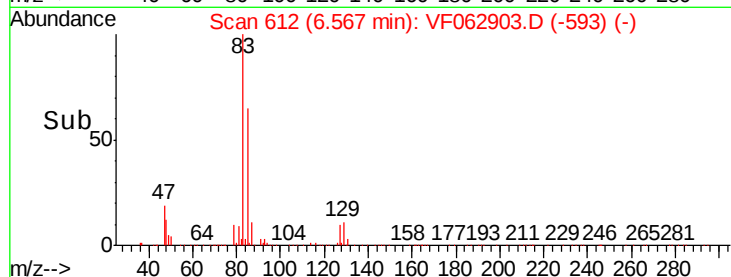
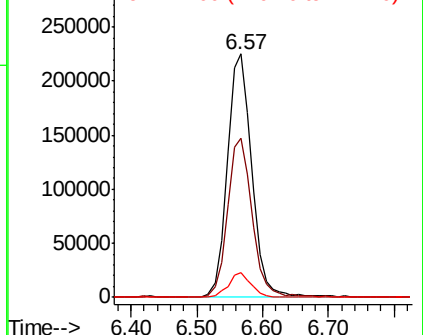
83 100

85 65.4 54.2 81.4

127 10.3 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 59.296 ug/l

RT: 6.89 min Scan# 645

Delta R.T. -0.00 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

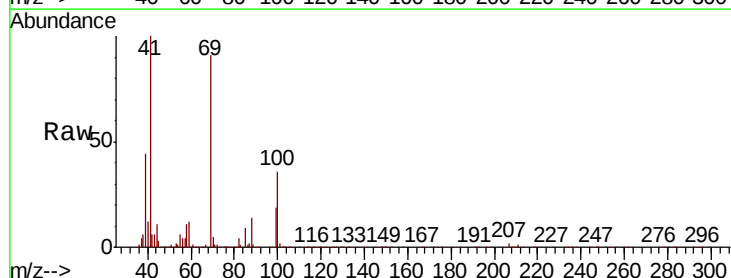
Tgt Ion: 41 Resp: 195982

Ion Ratio Lower Upper

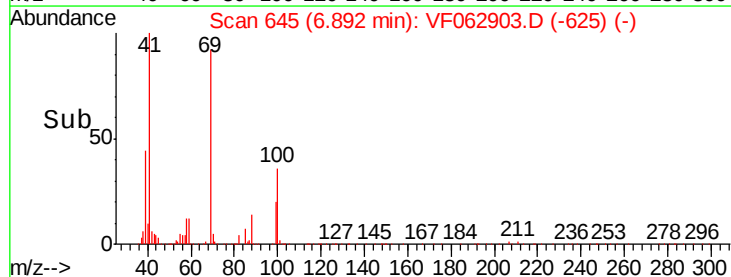
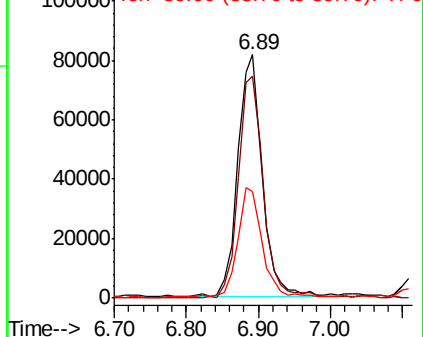
41 100

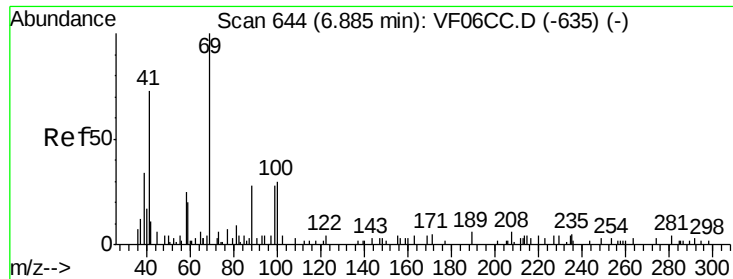
69 91.3 79.4 119.2

39 44.0 39.8 59.6



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1030.492 ug/l

RT: 6.88 min Scan# 644

Delta R.T. -0.00 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Instrument :
MSVOA_F
ClientSampleId :

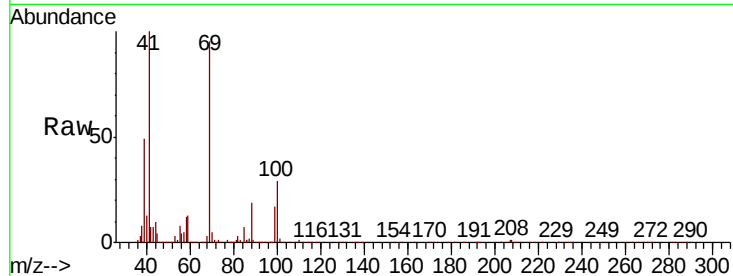
Tot Ion: 88 Resp: 44894

Ion Ratio Lower Upper

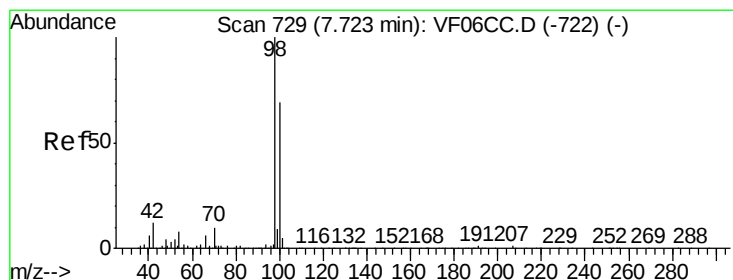
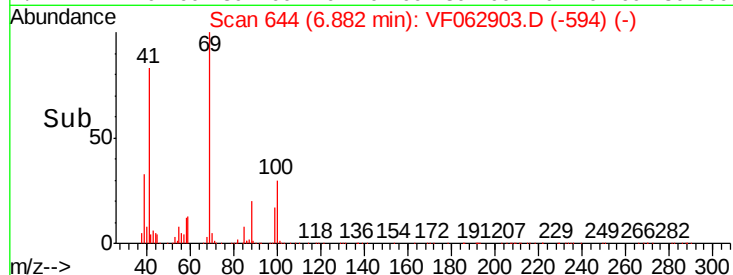
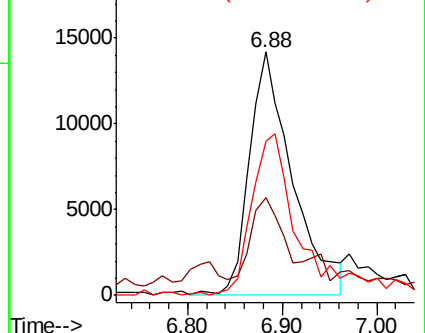
88 100

43 39.9 34.8 52.2

58 63.3 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: 48.737 ug/l

RT: 7.72 min Scan# 729

Delta R.T. -0.01 min

Lab File: VF062903.D

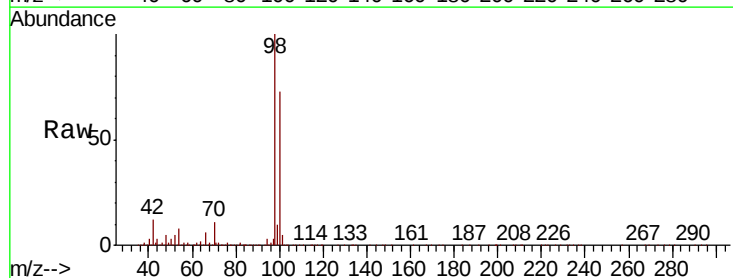
Acq: 7 Jun 2019 17:39

Tgt Ion: 98 Resp: 1284792

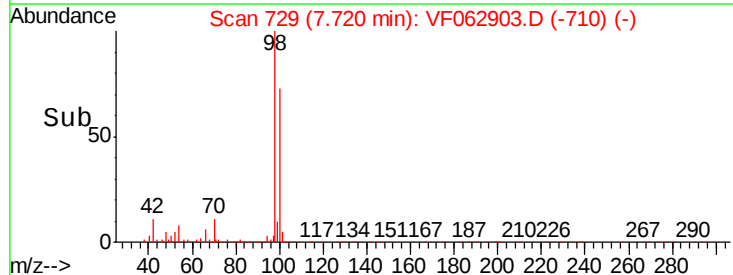
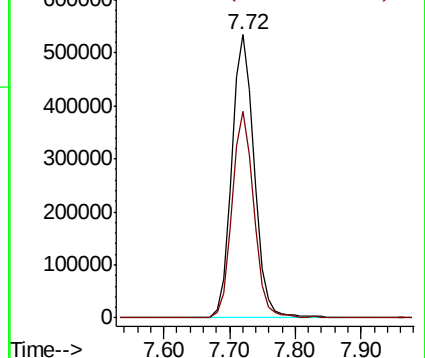
Ion Ratio Lower Upper

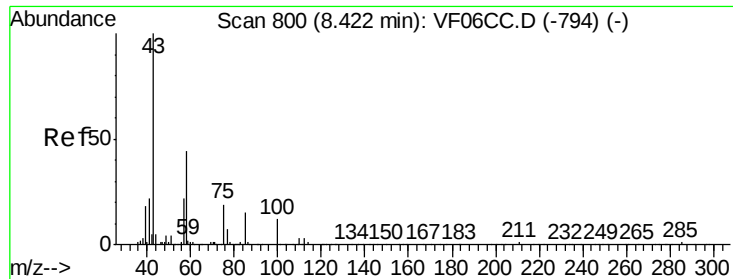
98 100

100 73.1 59.8 89.8



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0

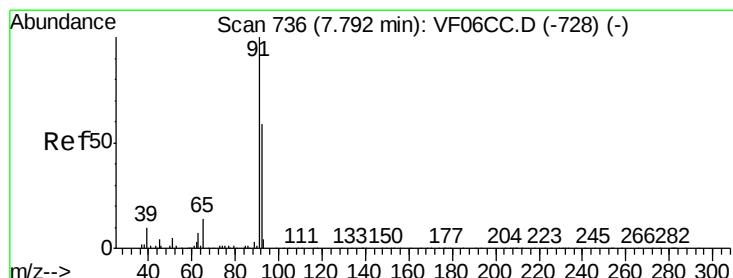
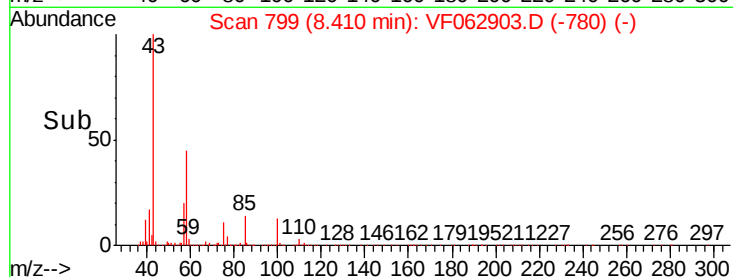
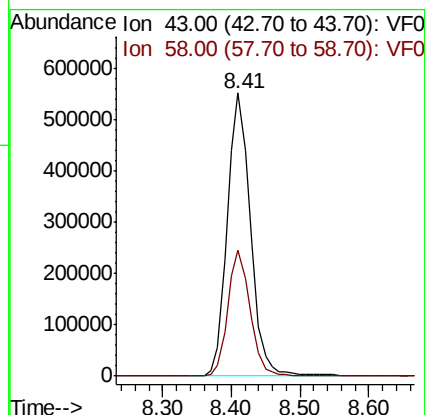
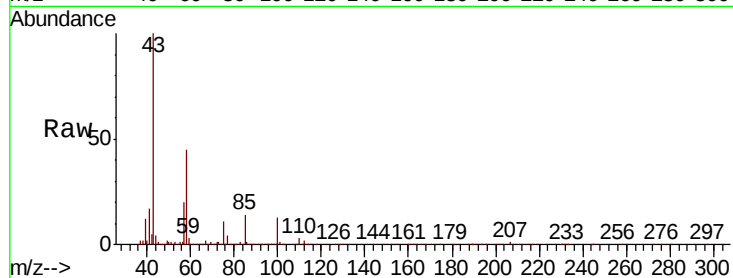




#51
4-Methyl-2-Pentanone
Concen: 280.357 ug/l
RT: 8.41 min Scan# 799
Delta R.T. -0.01 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

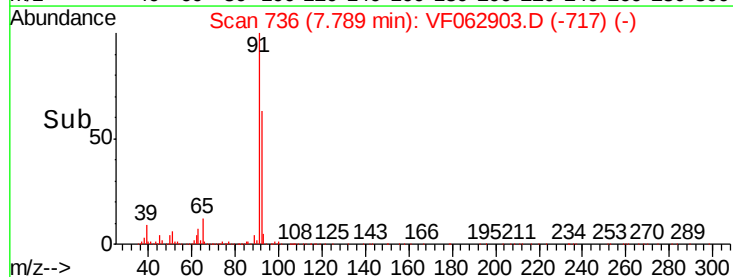
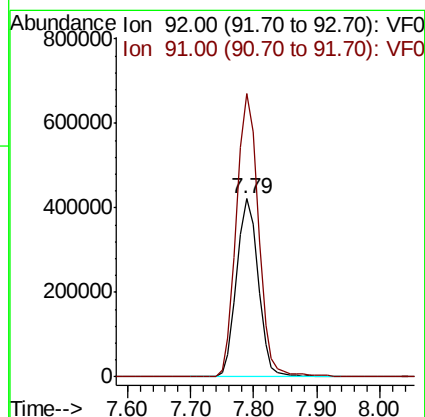
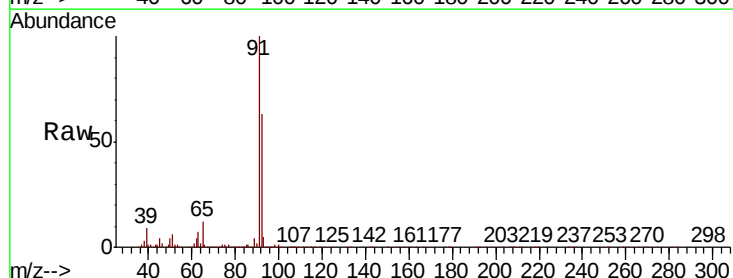
Instrument :
MSVOA_F
ClientSampleId :

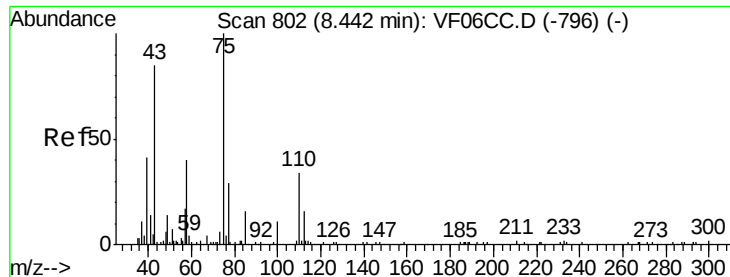
Tot Ion: 43 Resp: 1283657
Ion Ratio Lower Upper
43 100
58 44.6 35.5 53.3



#52
Toluene
Concen: 50.492 ug/l
RT: 7.79 min Scan# 736
Delta R.T. -0.01 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Tgt Ion: 92 Resp: 1005196
Ion Ratio Lower Upper
92 100
91 158.7 123.2 184.8

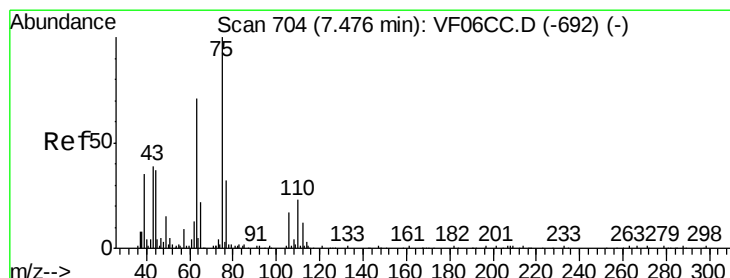
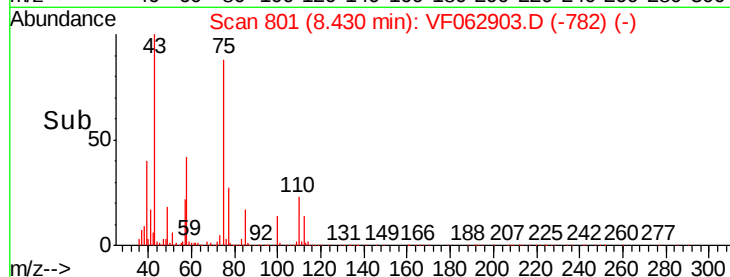
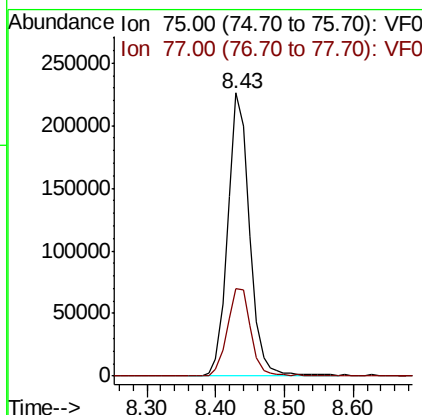
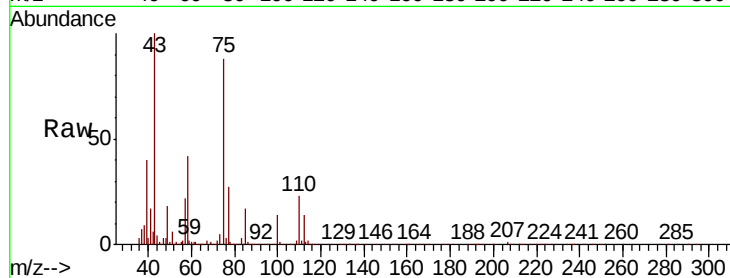




#53
 t-1,3-Dichloropropene
 Concen: 53.627 ug/l
 RT: 8.43 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: VF062903.D
 Acq: 7 Jun 2019 17:39

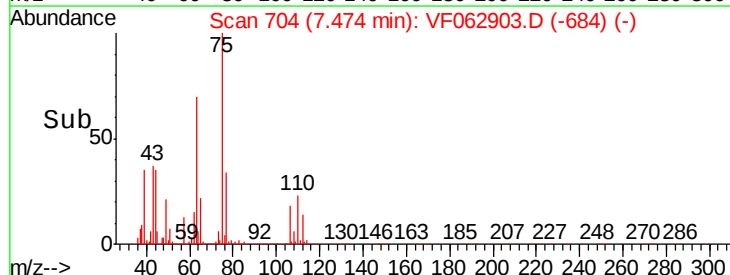
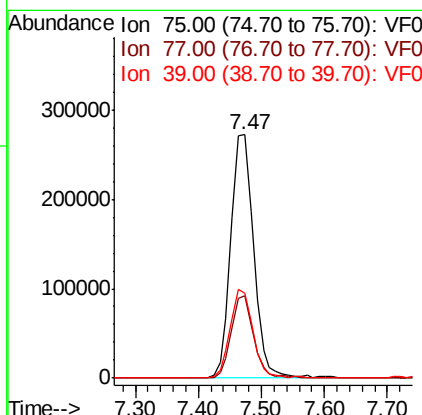
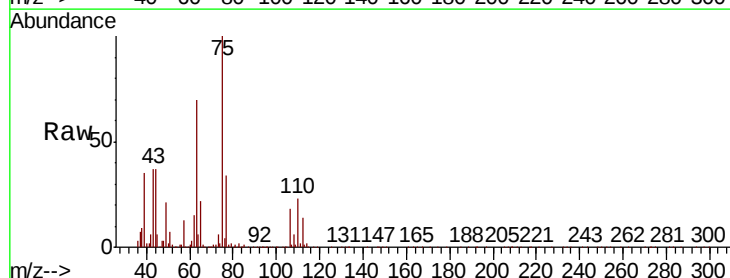
Instrument :
 MSVOA_F
 ClientSampleId :

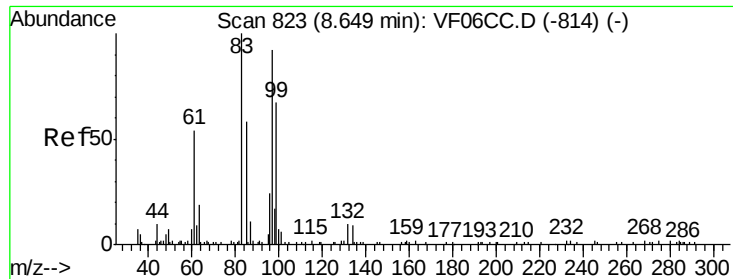
Tot Ion: 75 Resp: 490101
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.7 38.5



#54
 cis-1,3-Dichloropropene
 Concen: 51.627 ug/l
 RT: 7.47 min Scan# 704
 Delta R.T. -0.00 min
 Lab File: VF062903.D
 Acq: 7 Jun 2019 17:39

Tgt Ion: 75 Resp: 682965
 Ion Ratio Lower Upper
 75 100
 77 33.9 25.8 38.8
 39 34.9 28.4 42.6





#55

1,1,2-Trichloroethane

Concen: 52.891 ug/l

RT: 8.65 min Scan# 823

Delta R.T. -0.00 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 97 Resp: 314570

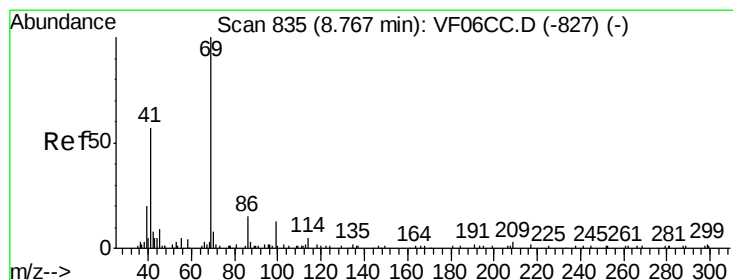
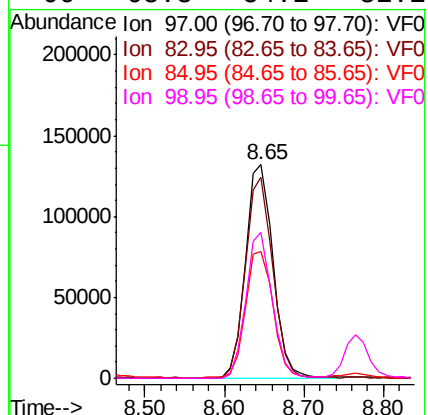
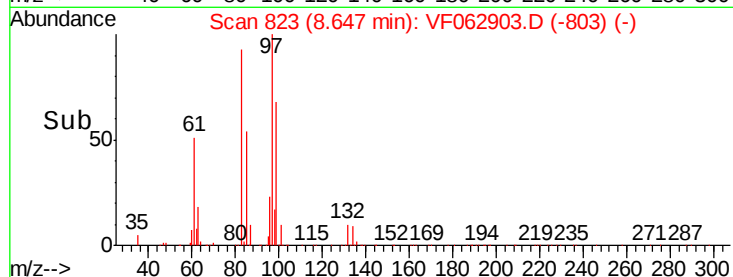
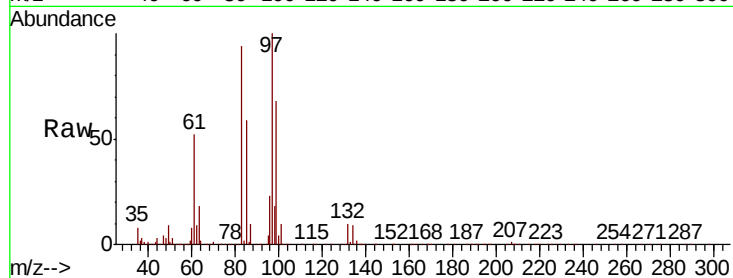
Ion Ratio Lower Upper

97 100

83 94.3 72.0 108.0

85 59.1 47.5 71.3

99 68.3 54.1 81.1



#56

Ethyl methacrylate

Concen: 53.757 ug/l

RT: 8.76 min Scan# 835

Delta R.T. -0.01 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

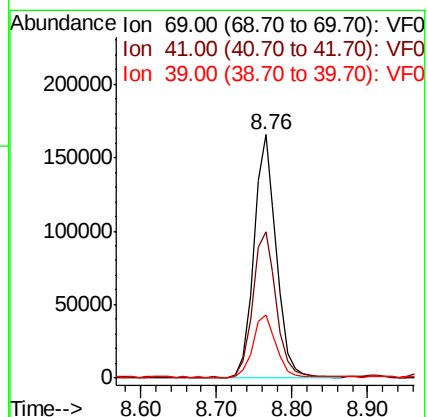
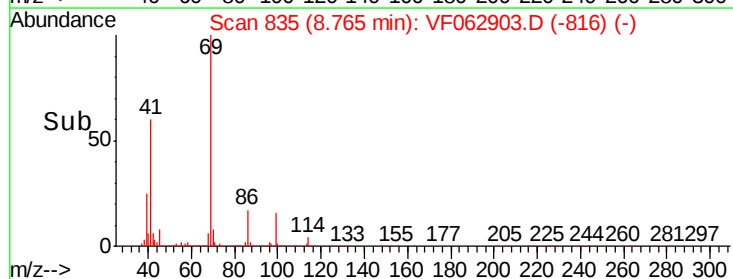
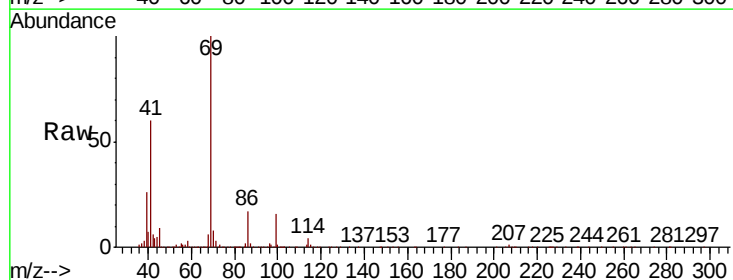
Tgt Ion: 69 Resp: 343049

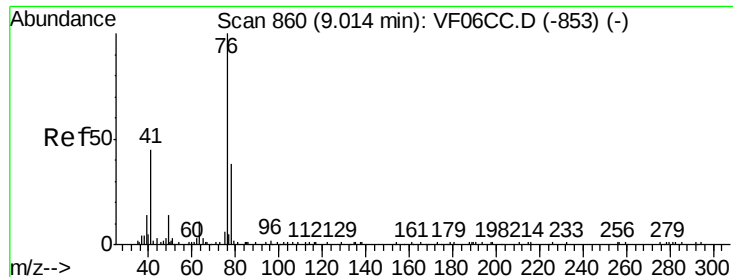
Ion Ratio Lower Upper

69 100

41 60.3 46.6 69.8

39 25.8 19.6 29.4





#57

1,3-Dichloropropane

Concen: 56.141 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.01 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

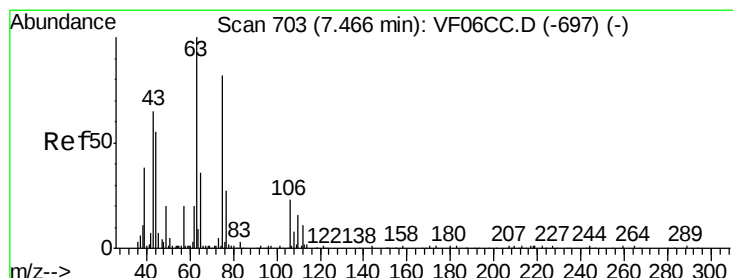
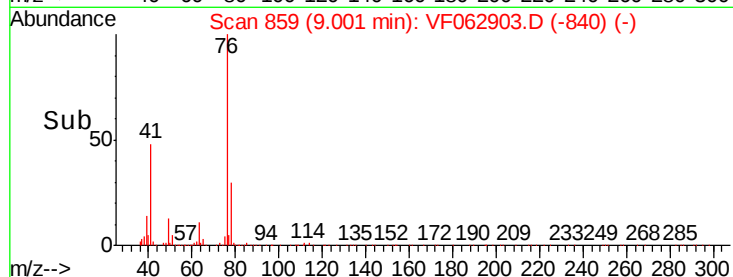
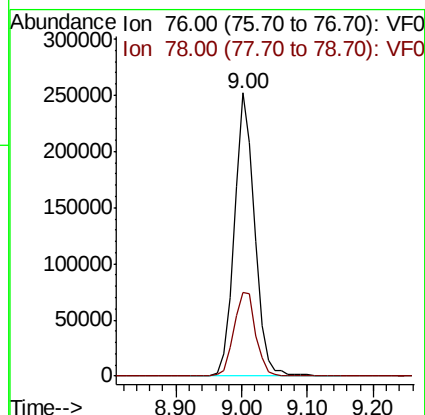
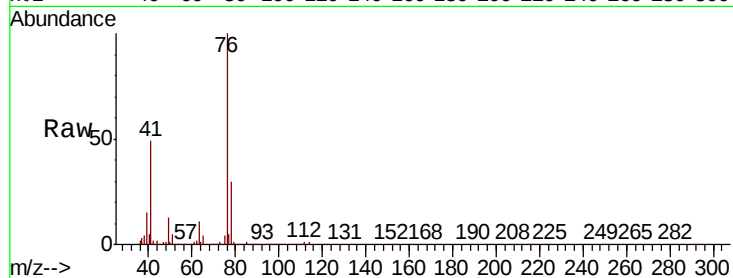
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 76 Resp: 545264

Ion Ratio Lower Upper

76 100

78 29.6 26.8 40.2



#58

2-Chloroethyl Vinyl ether

Concen: 320.219 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.00 min

Lab File: VF062903.D

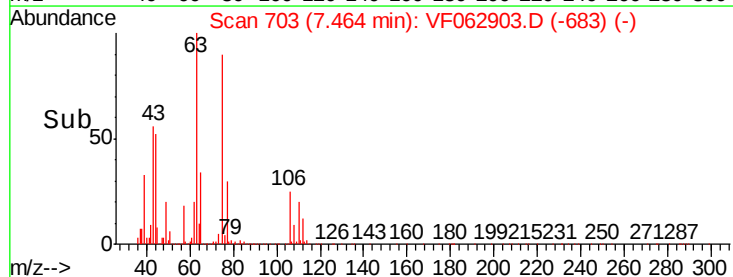
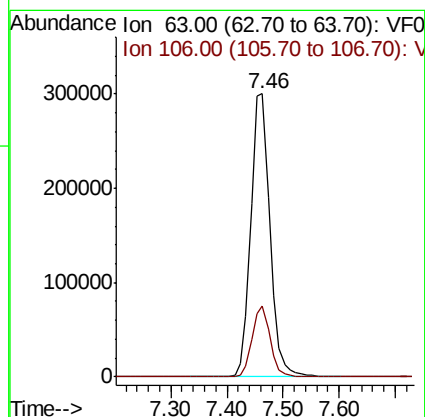
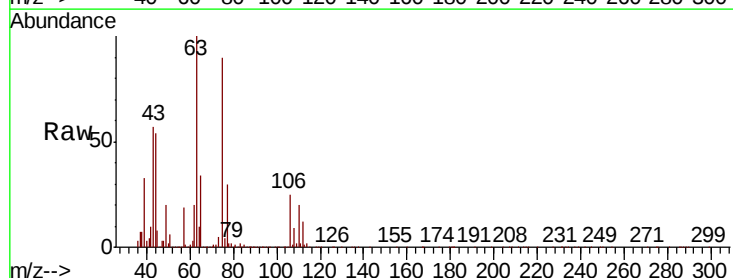
Acq: 7 Jun 2019 17:39

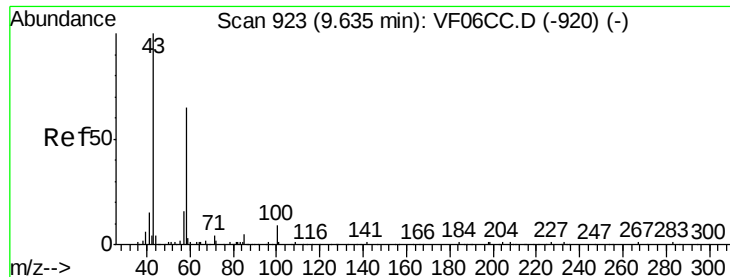
Tgt Ion: 63 Resp: 714173

Ion Ratio Lower Upper

63 100

106 25.2 19.5 29.3

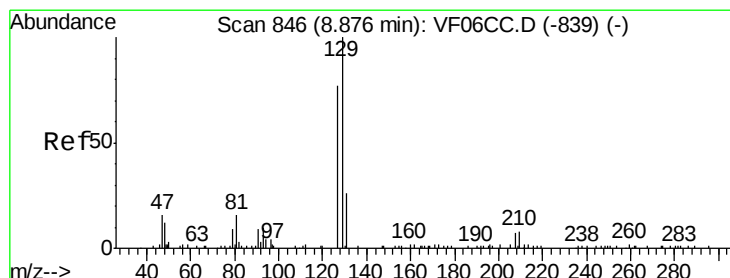
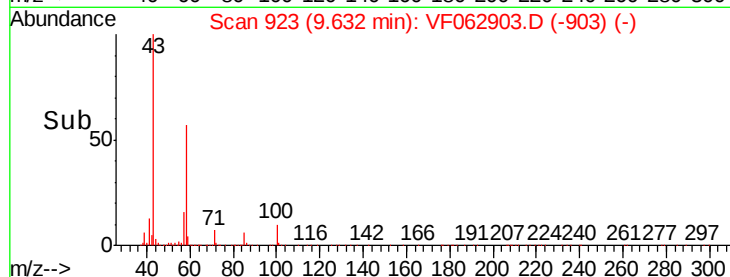
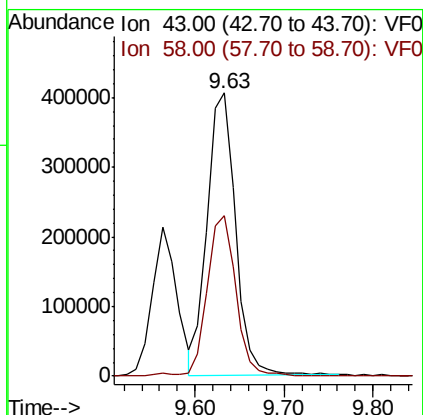
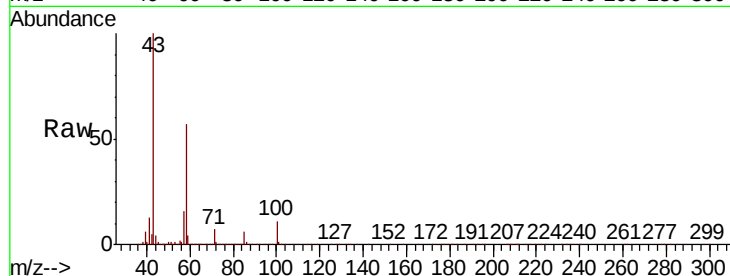




#59
2-Hexanone
Concen: 274.192 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

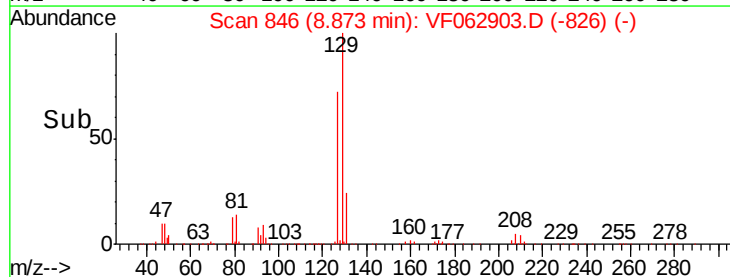
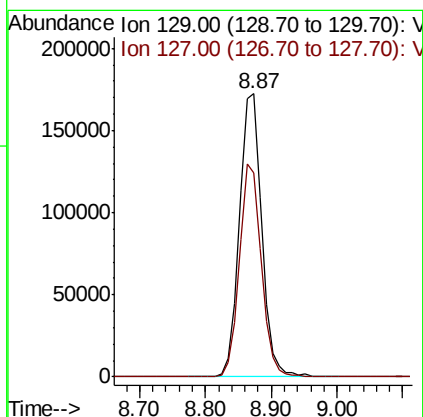
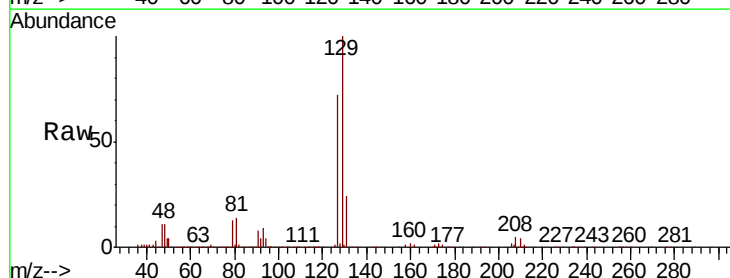
Instrument :
MSVOA_F
ClientSampleId :

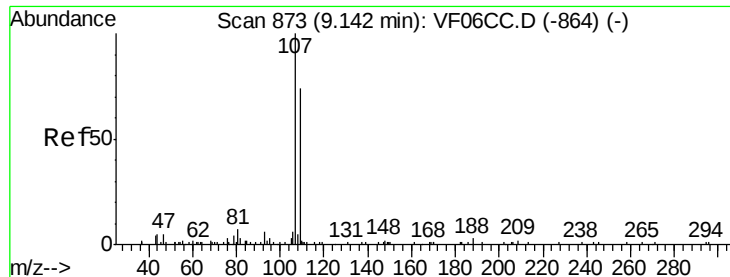
Tot Ion: 43 Resp: 894831
Ion Ratio Lower Upper
43 100
58 56.9 29.3 87.9



#60
Dibromochloromethane
Concen: 56.007 ug/l
RT: 8.87 min Scan# 846
Delta R.T. -0.00 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Tgt Ion:129 Resp: 412397
Ion Ratio Lower Upper
129 100
127 71.9 37.1 111.3





#61

1,2-Dibromoethane

Concen: 54.399 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.01 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

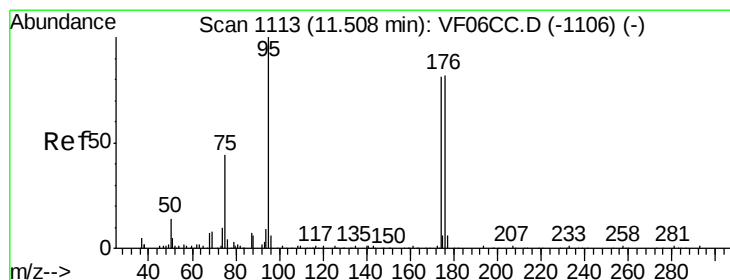
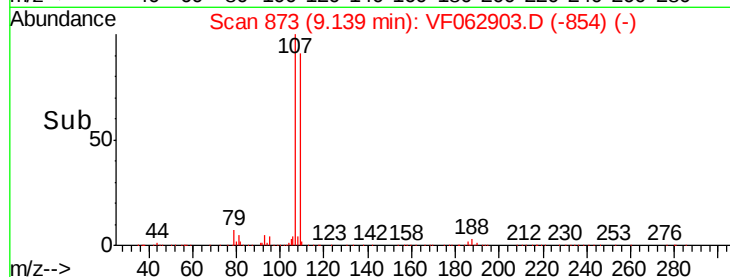
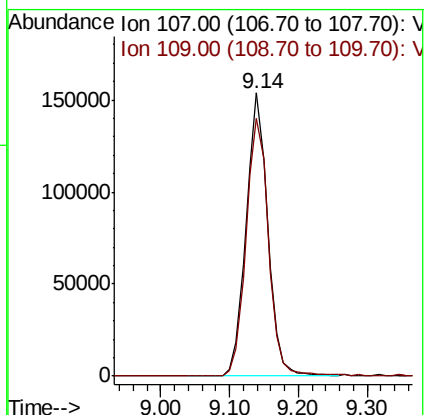
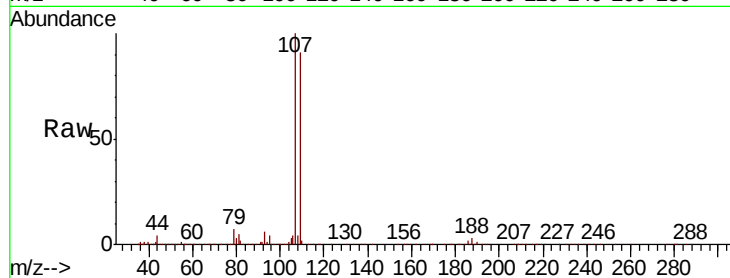
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:107 Resp: 336011

Ion Ratio Lower Upper

107 100

109 91.1 78.1 117.1



#62

4-Bromofluorobenzene

Concen: 46.319 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

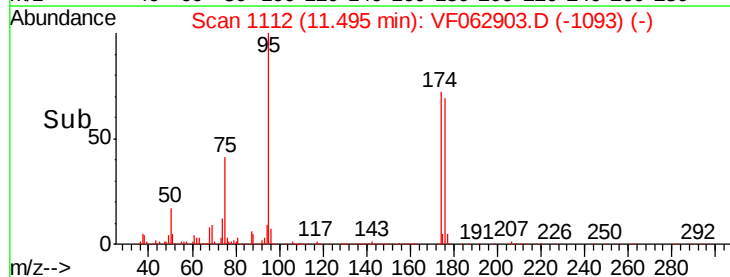
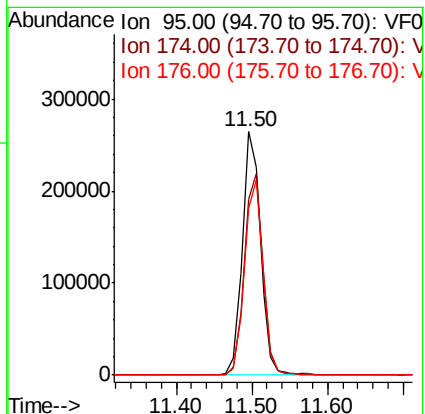
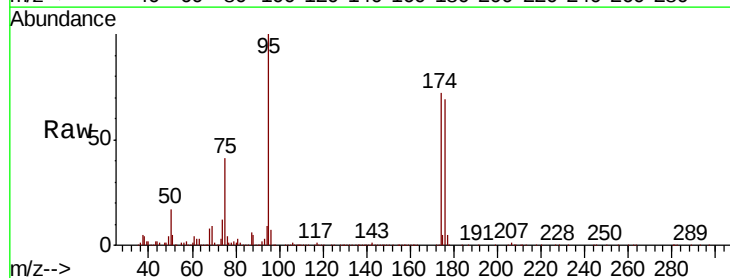
Tgt Ion: 95 Resp: 439218

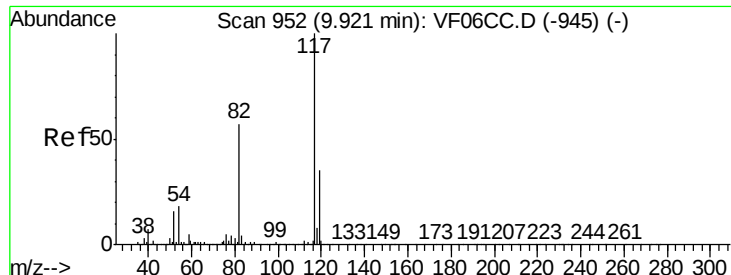
Ion Ratio Lower Upper

95 100

174 72.0 0.0 170.6

176 68.6 0.0 170.6

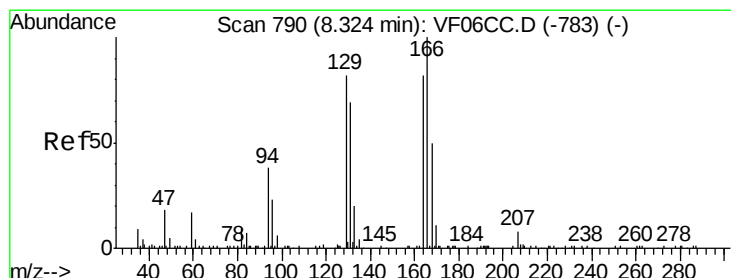
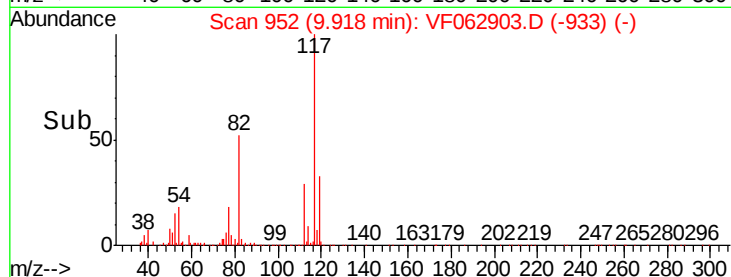
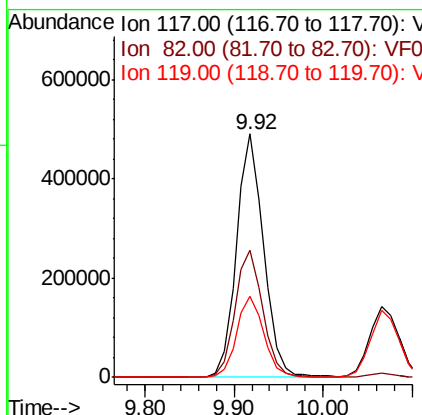
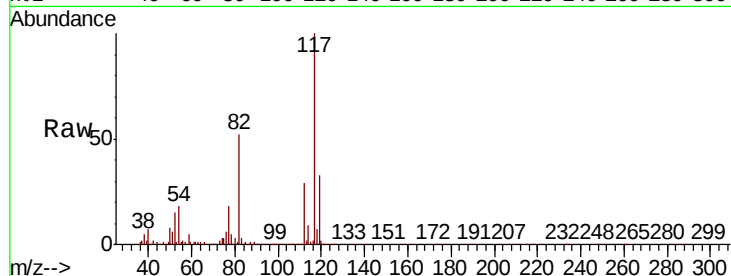




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

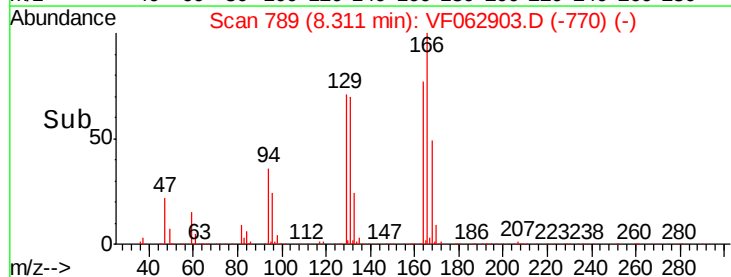
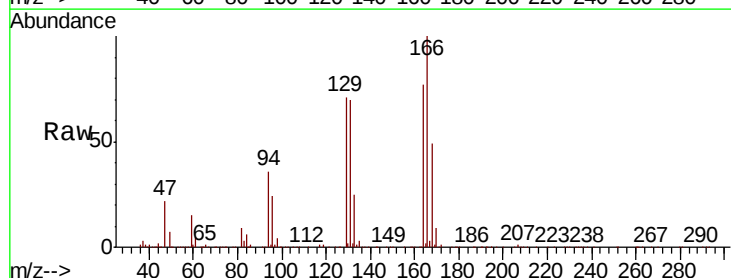
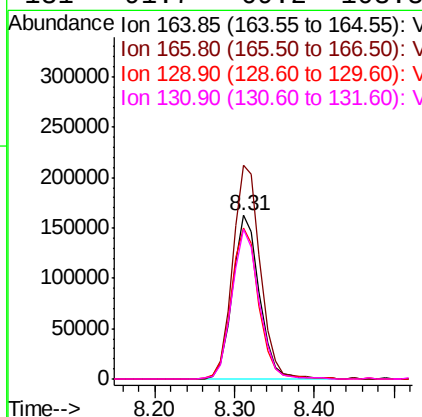
Instrument :
MSVOA_F
ClientSampleId :

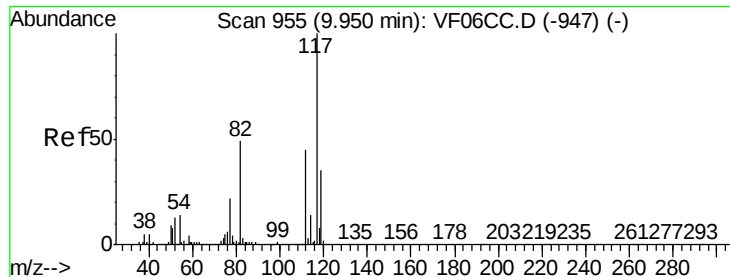
Tot Ion:117 Resp: 1039532
Ion Ratio Lower Upper
117 100
82 52.1 42.4 63.6
119 33.2 27.1 40.7



#64
Tetrachloroethene
Concen: 47.741 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.01 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Tgt Ion:164 Resp: 381365
Ion Ratio Lower Upper
164 100
166 130.6 99.1 148.7
129 92.4 69.5 104.3
131 91.7 69.2 103.8

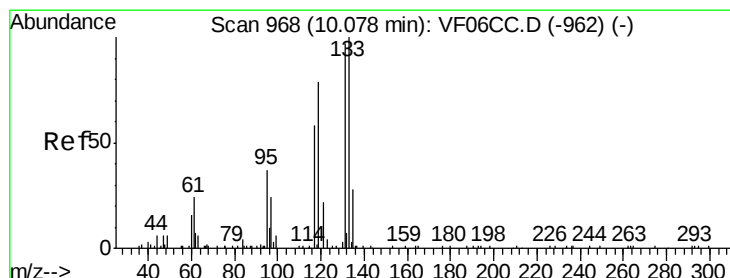
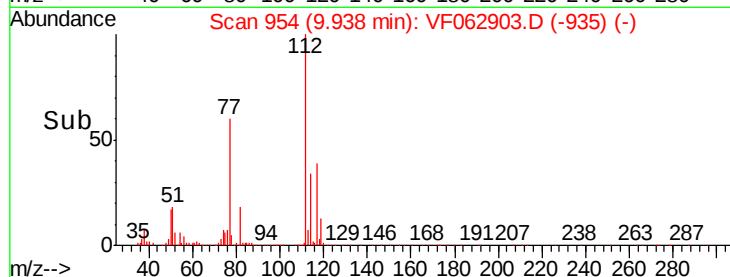
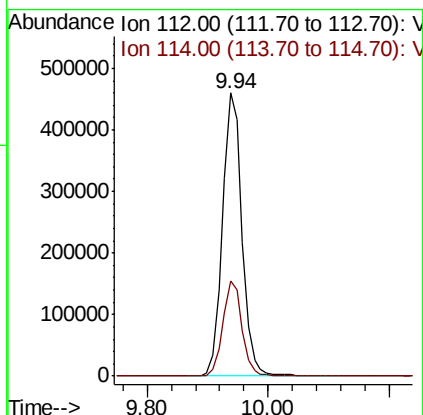
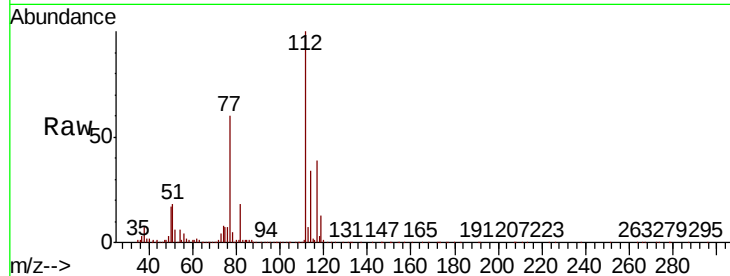




#65
Chlorobenzene
Concen: 51.039 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

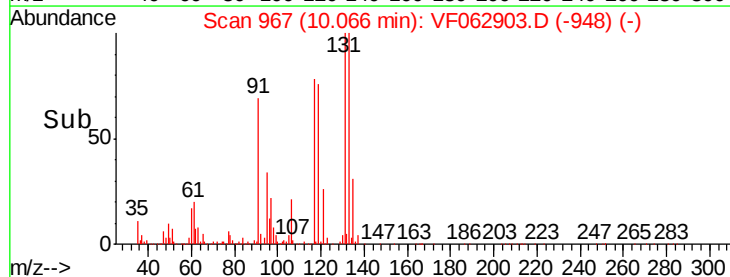
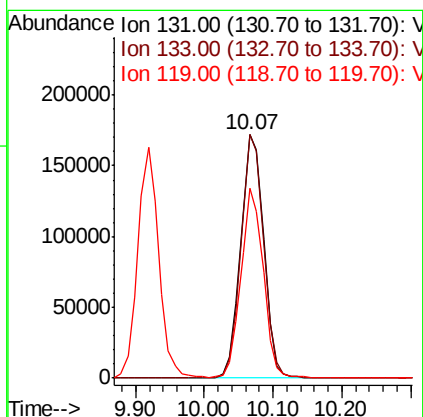
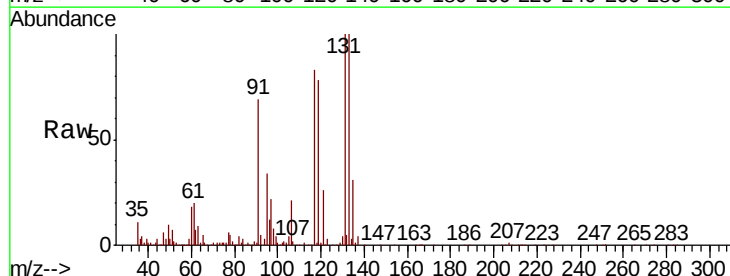
Instrument :
MSVOA_F
ClientSampleId :

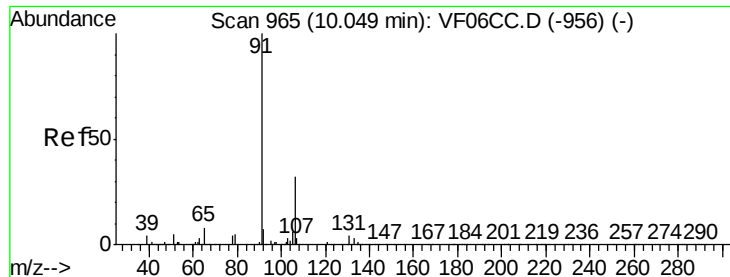
Tot Ion:112 Resp: 1024604
Ion Ratio Lower Upper
112 100
114 33.9 27.4 41.0



#66
1,1,1,2-Tetrachloroethane
Concen: 50.005 ug/l
RT: 10.07 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Tgt Ion:131 Resp: 399791
Ion Ratio Lower Upper
131 100
133 100.1 48.9 146.7
119 77.9 38.0 114.0





#67

Ethyl Benzene

Concen: 50.377 ug/l

RT: 10.04 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Instrument :

MSVOA_F

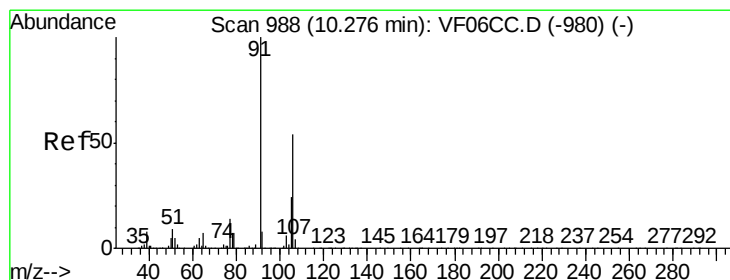
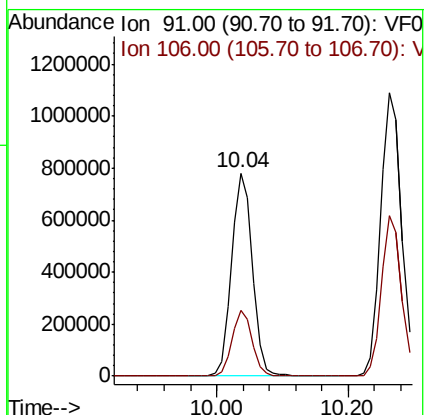
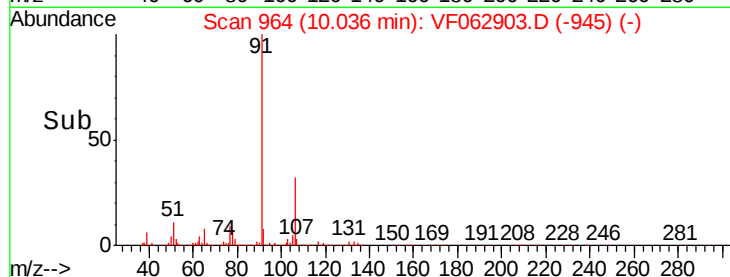
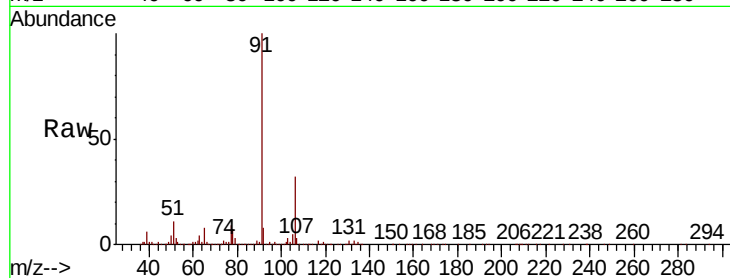
ClientSampleId :

Tot Ion: 91 Resp: 1735473

Ion Ratio Lower Upper

91 100

106 32.3 26.0 39.0



#68

m/p-Xylenes

Concen: 98.759 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF062903.D

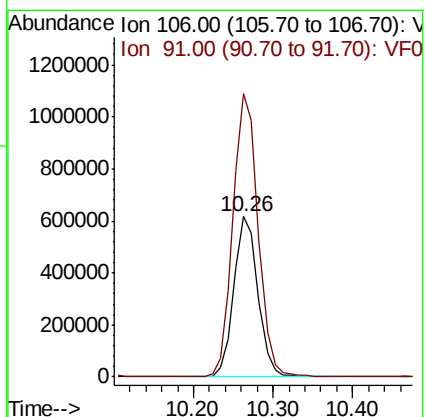
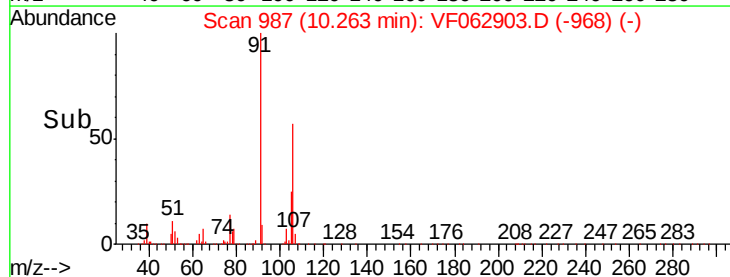
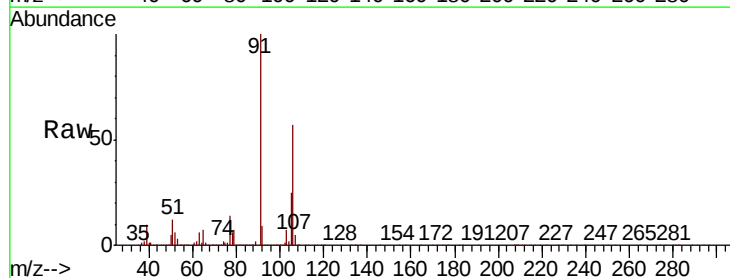
Acq: 7 Jun 2019 17:39

Tgt Ion: 106 Resp: 1301897

Ion Ratio Lower Upper

106 100

91 176.8 136.2 204.4

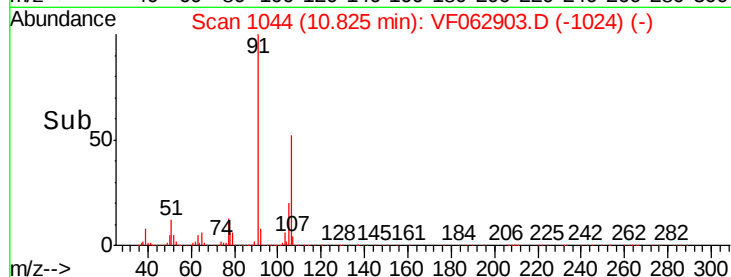
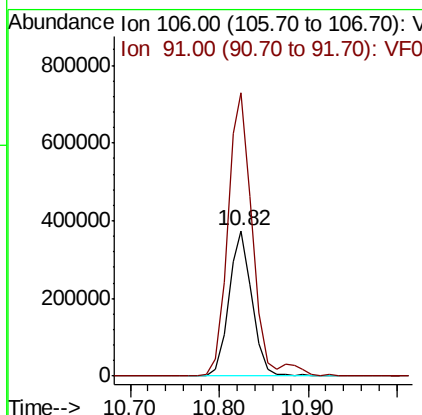
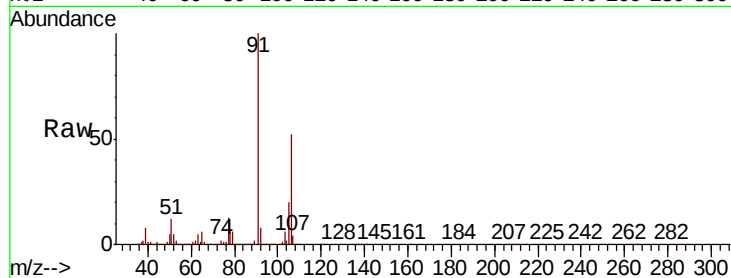




#69
o-Xylene
Concen: 50.970 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

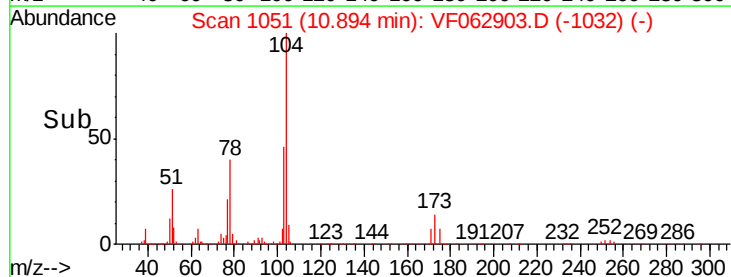
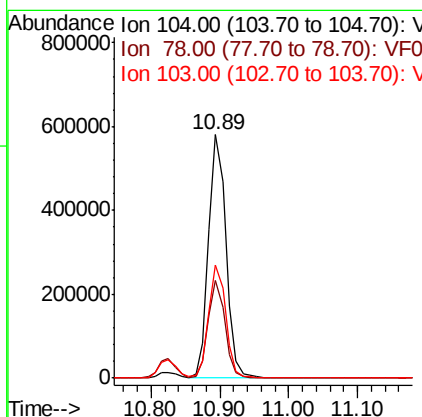
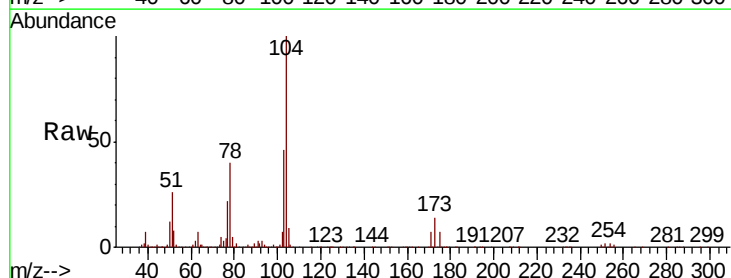
Instrument :
MSVOA_F
ClientSampled :

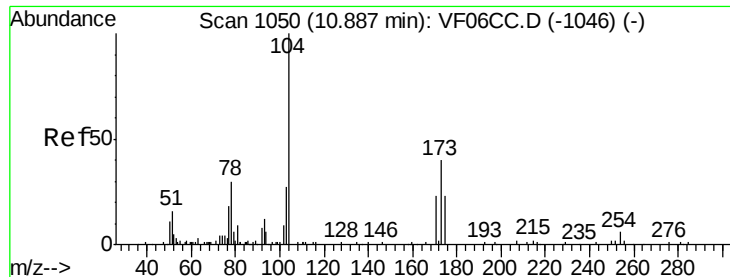
Tot Ion:106 Resp: 680288
Ion Ratio Lower Upper
106 100
91 194.2 96.6 289.8



#70
Styrene
Concen: 52.286 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Tgt Ion:104 Resp: 1028595
Ion Ratio Lower Upper
104 100
78 40.1 30.8 46.2
103 46.2 35.8 53.6





#71

Bromoform

Concen: 57.302 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Instrument :

MSVOA_F

ClientSampleId :

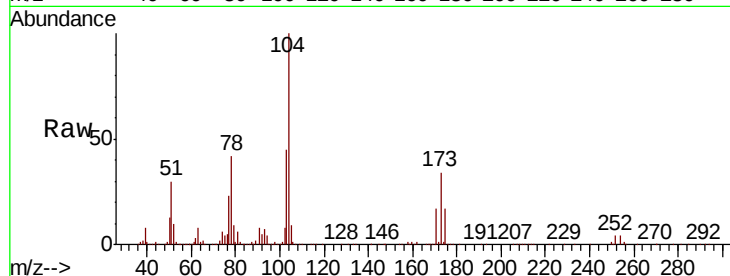
Tot Ion:173 Resp: 219773

Ion Ratio Lower Upper

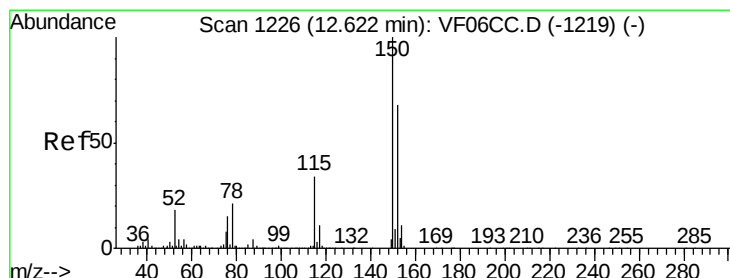
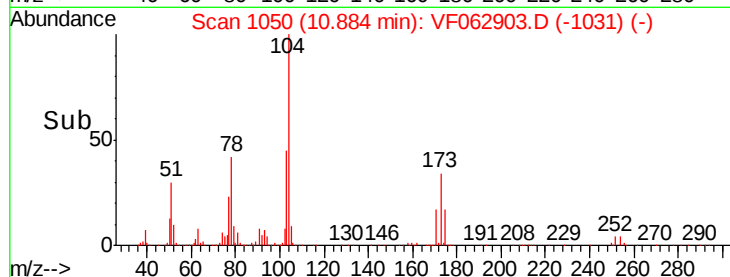
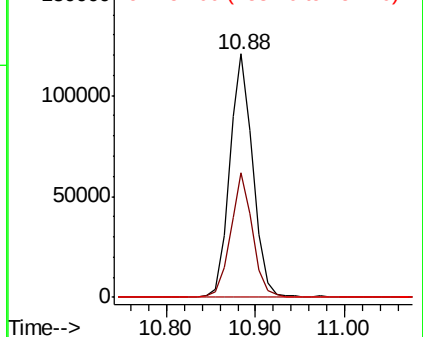
173 100

175 51.0 24.6 74.0

254 0.0 0.1 0.1#



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): 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: VF062903.D

Acq: 7 Jun 2019 17:39

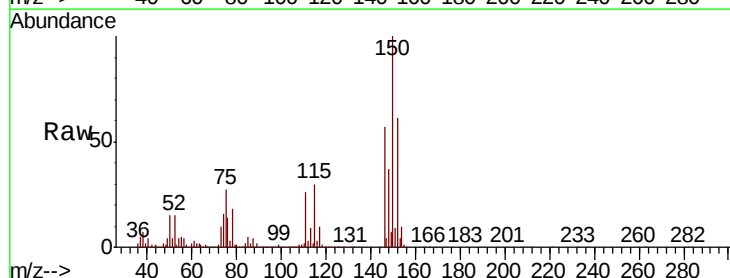
Tgt Ion:152 Resp: 479346

Ion Ratio Lower Upper

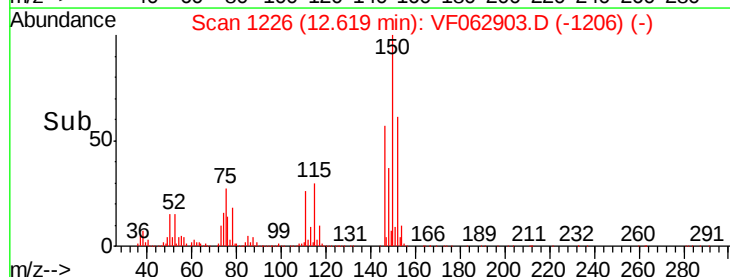
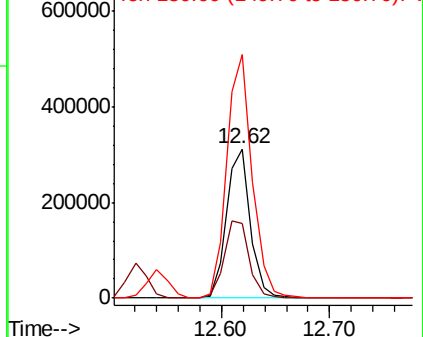
152 100

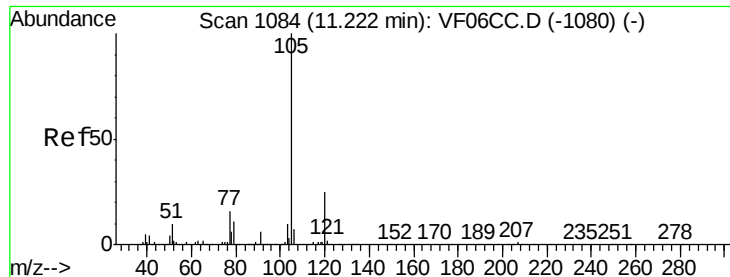
115 49.7 24.6 74.0

150 163.3 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





#73

Isopropylbenzene

Concen: 50.312 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Instrument :

MSVOA_F

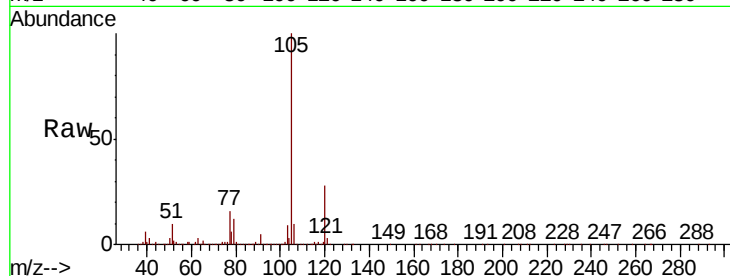
ClientSampleId :

Tot Ion:105 Resp: 1682759

Ion Ratio Lower Upper

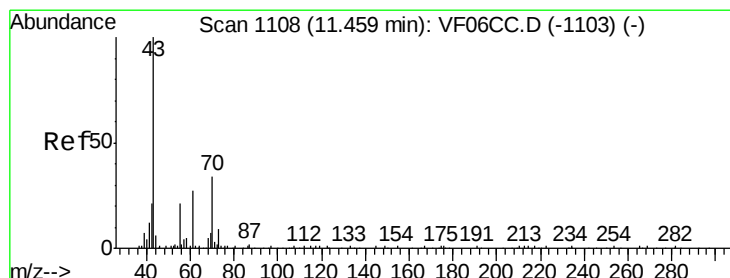
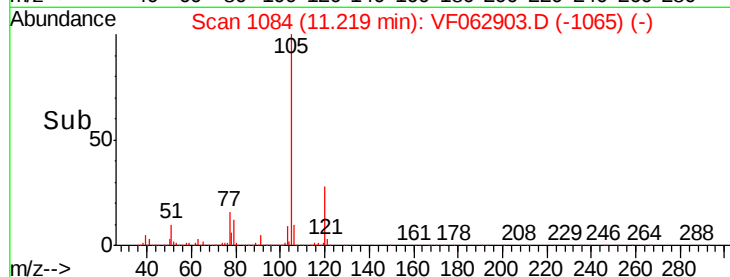
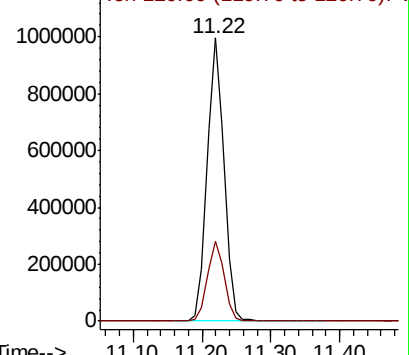
105 100

120 28.4 15.1 45.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.886 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Tgt Ion: 43 Resp: 498543

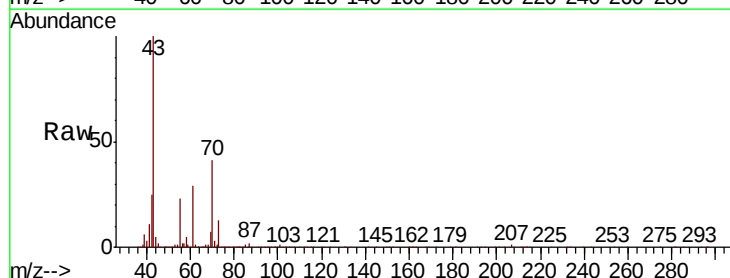
Ion Ratio Lower Upper

43 100

70 41.1 32.9 49.3

55 22.8 17.3 25.9

61 28.6 23.7 35.5

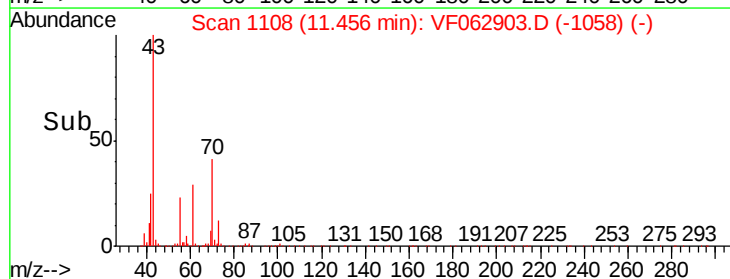
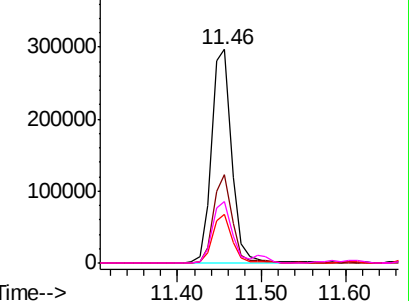


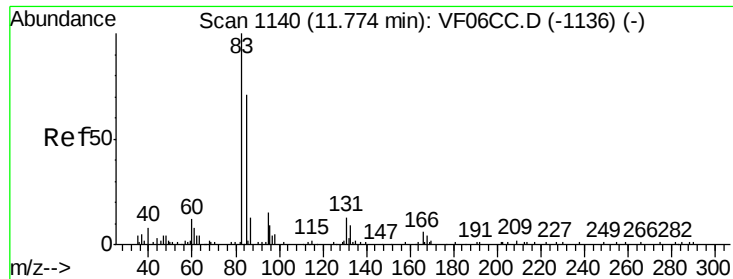
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 54.471 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Instrument :

MSVOA_F

ClientSampleId :

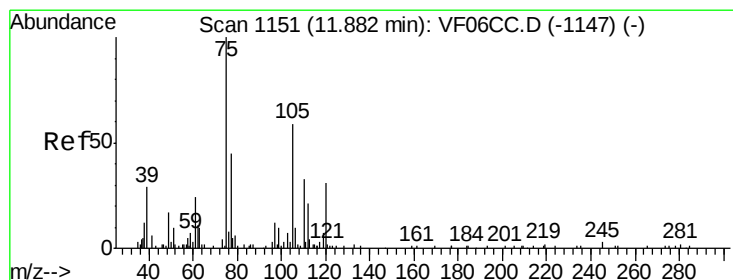
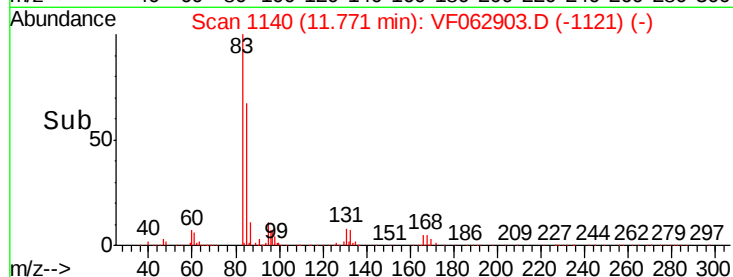
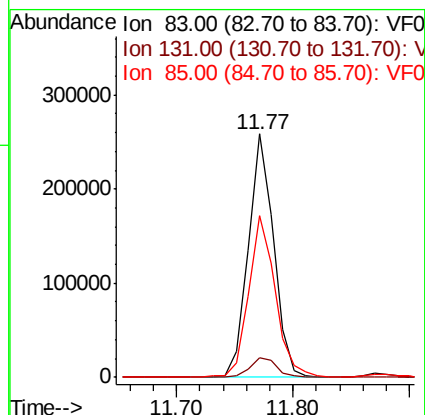
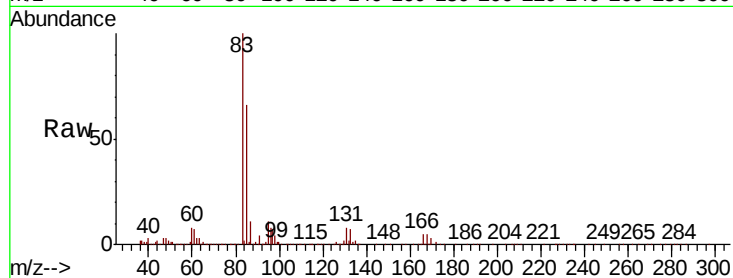
Tot Ion: 83 Resp: 389068

Ion Ratio Lower Upper

83 100

131 8.1 4.9 14.7

85 66.4 32.1 96.5



#76

1,2,3-Trichloropropane

Concen: 53.237 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.01 min

Lab File: VF062903.D

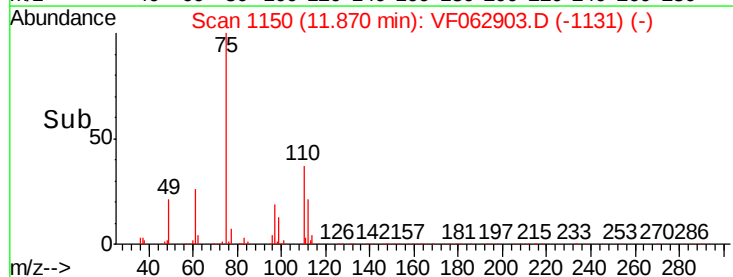
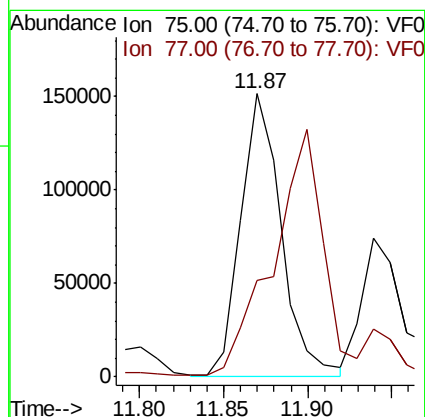
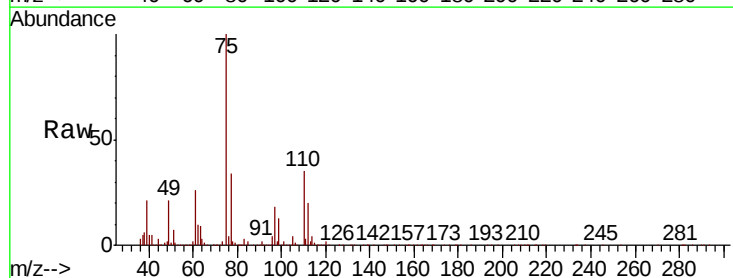
Acq: 7 Jun 2019 17:39

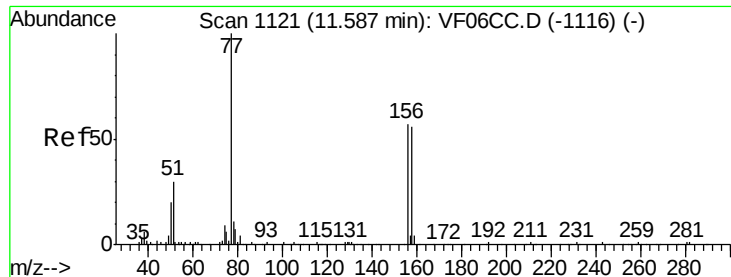
Tgt Ion: 75 Resp: 252052

Ion Ratio Lower Upper

75 100

77 34.2 20.1 60.2





#77

Bromobenzene

Concen: 50.633 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Instrument :

MSVOA_F

ClientSampleId :

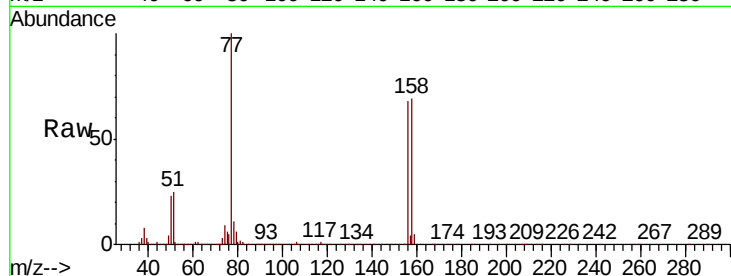
Tot Ion:156 Resp: 425513

Ion Ratio Lower Upper

156 100

77 147.2 64.2 192.6

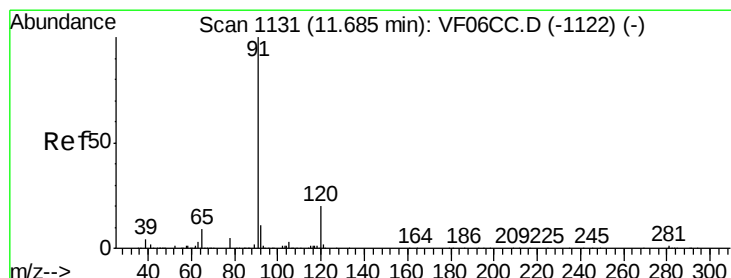
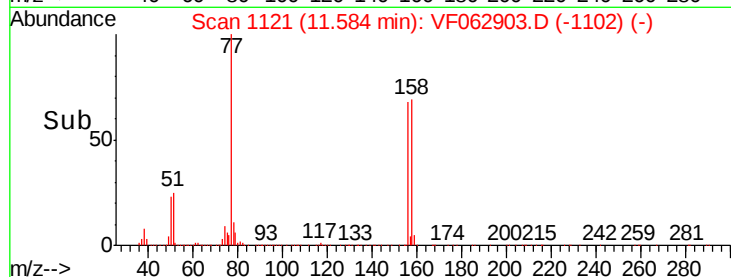
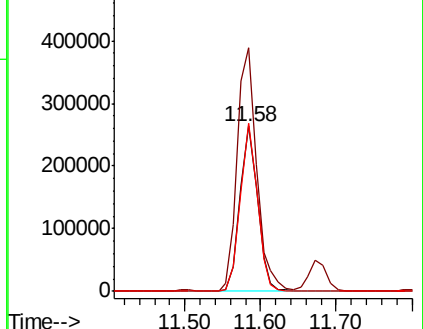
158 101.3 50.3 151.0



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



#78

n-propylbenzene

Concen: 49.399 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF062903.D

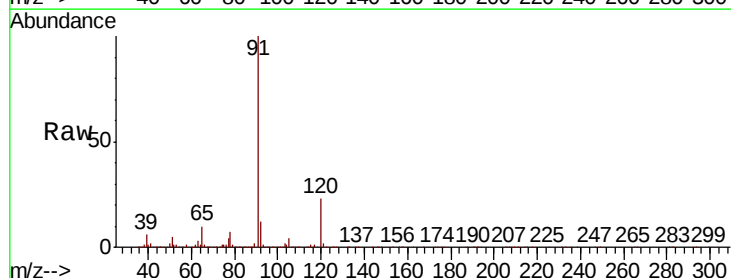
Acq: 7 Jun 2019 17:39

Tgt Ion: 91 Resp: 1994964

Ion Ratio Lower Upper

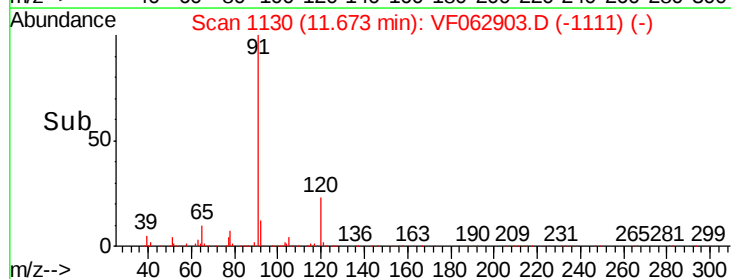
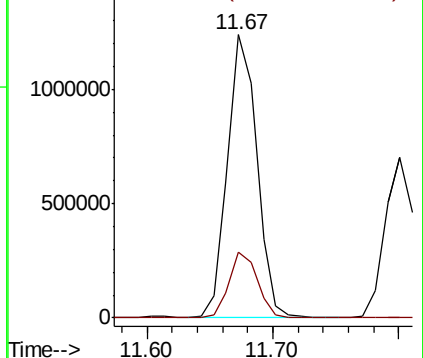
91 100

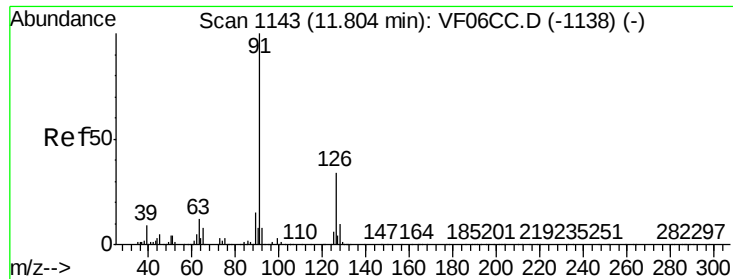
120 23.5 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

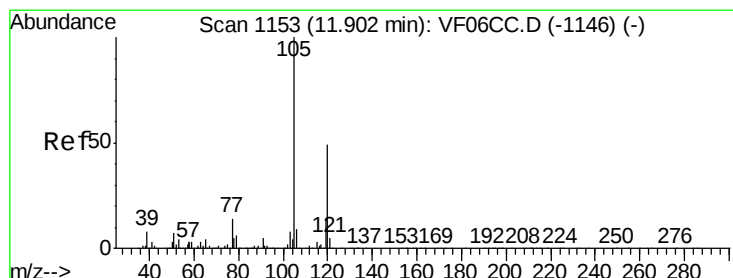
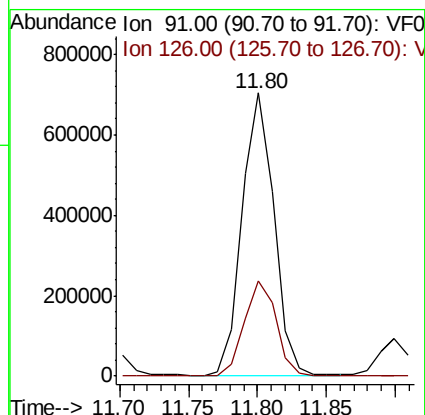
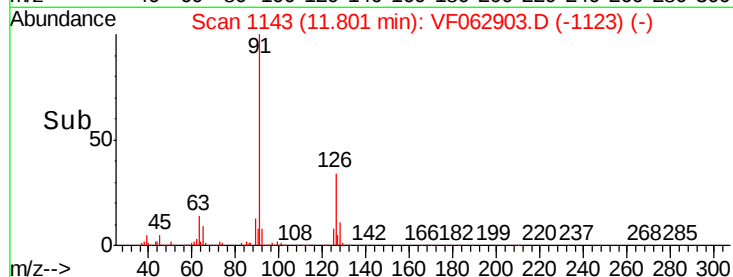
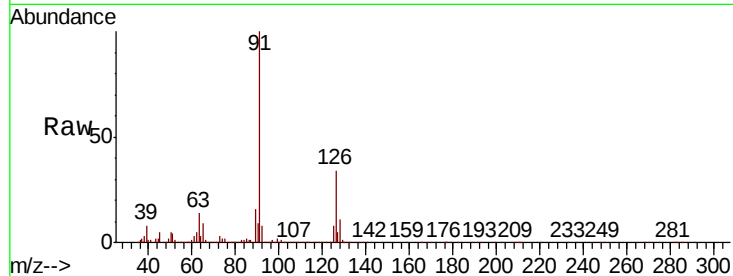




#79
 2-Chlorotoluene
 Concen: 49.054 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: VF062903.D
 Acq: 7 Jun 2019 17:39

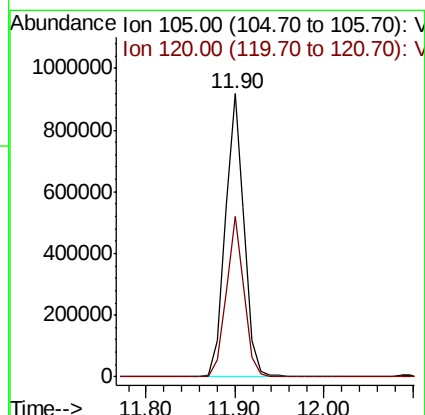
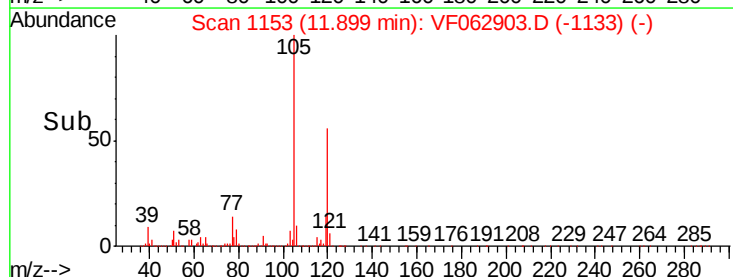
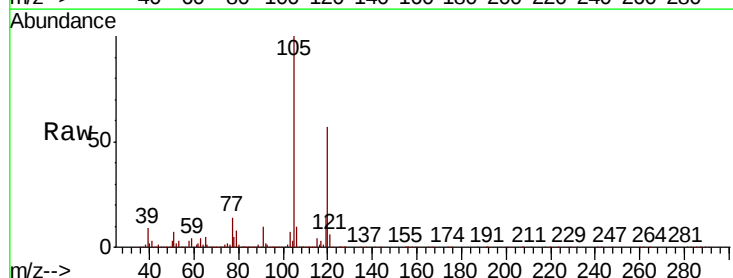
Instrument :
 MSVOA_F
 ClientSampleId :

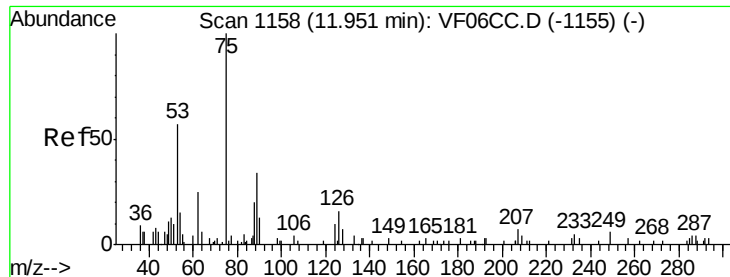
Tot Ion: 91 Resp: 1133532
 Ion Ratio Lower Upper
 91 100
 126 33.5 17.8 53.3



#80
 1,3,5-Trimethylbenzene
 Concen: 49.654 ug/l
 RT: 11.90 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VF062903.D
 Acq: 7 Jun 2019 17:39

Tgt Ion: 105 Resp: 1358165
 Ion Ratio Lower Upper
 105 100
 120 56.9 28.7 86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 72.415 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Instrument :

MSVOA_F

ClientSampleId :

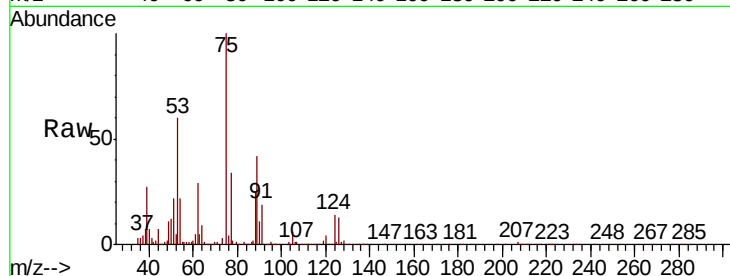
Tot Ion: 75 Resp: 145154

Ion Ratio Lower Upper

75 100

53 59.5 43.5 65.3

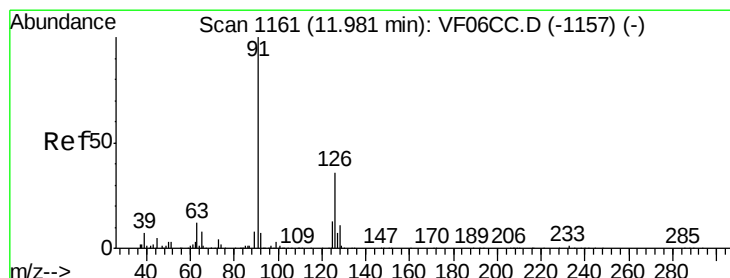
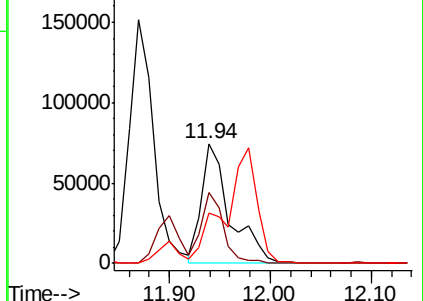
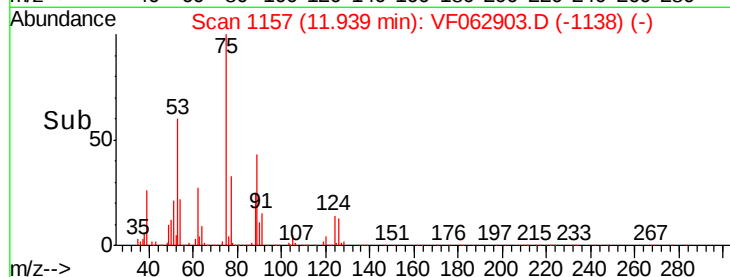
89 42.5 34.3 51.5



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: 50.071 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VF062903.D

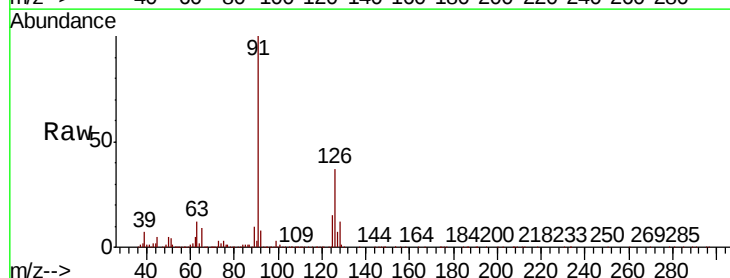
Acq: 7 Jun 2019 17:39

Tgt Ion: 91 Resp: 1137081

Ion Ratio Lower Upper

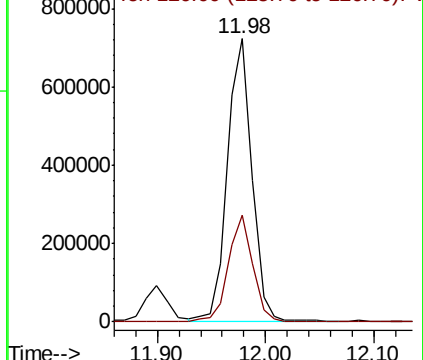
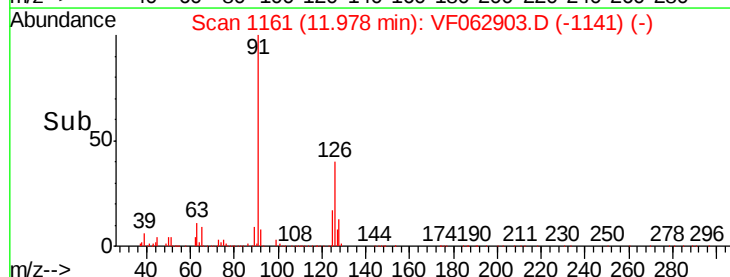
91 100

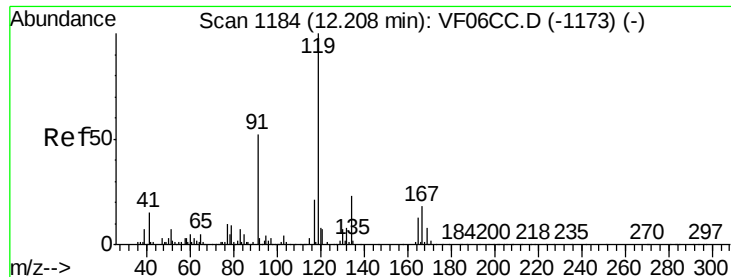
126 37.5 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

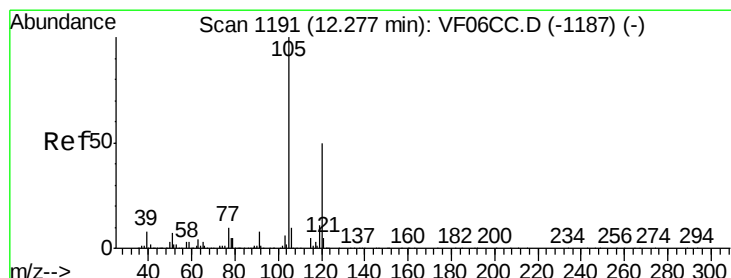
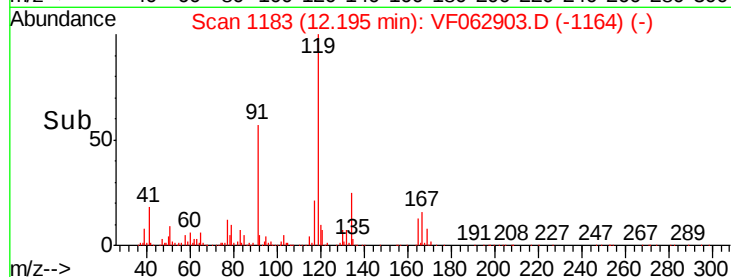
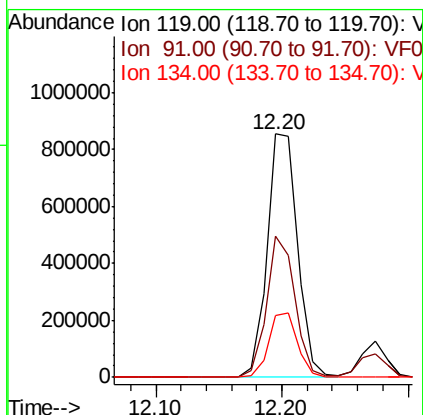
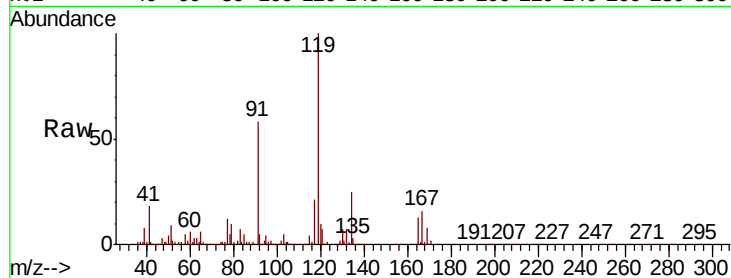




#83
tert-Butylbenzene
Concen: 52.901 ug/l
RT: 12.20 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

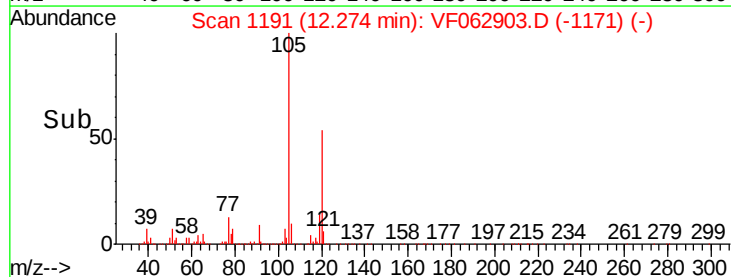
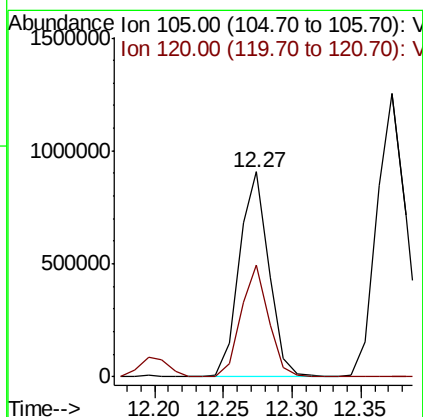
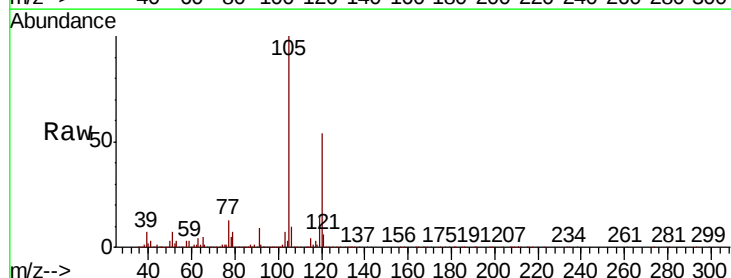
Instrument :
MSVOA_F
ClientSampleId :

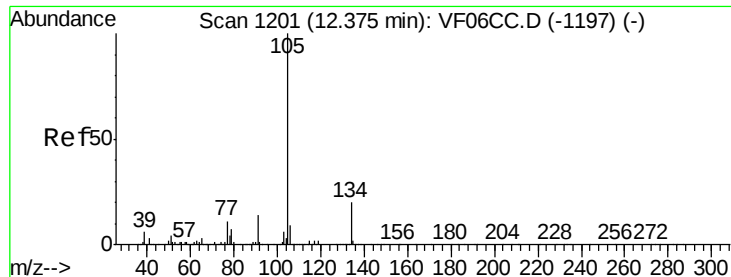
Tot Ion:119 Resp: 1433772
Ion Ratio Lower Upper
119 100
91 58.2 28.9 86.7
134 25.4 14.3 42.9



#84
1,2,4-Trimethylbenzene
Concen: 51.992 ug/l
RT: 12.27 min Scan# 1191
Delta R.T. -0.00 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Tgt Ion:105 Resp: 1348350
Ion Ratio Lower Upper
105 100
120 54.4 27.1 81.3





#85

sec-Butylbenzene

Concen: 52.143 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Instrument :

MSVOA_F

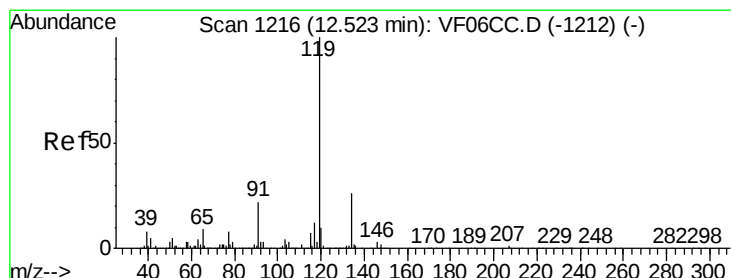
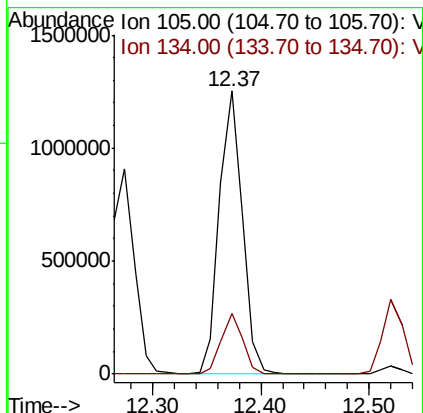
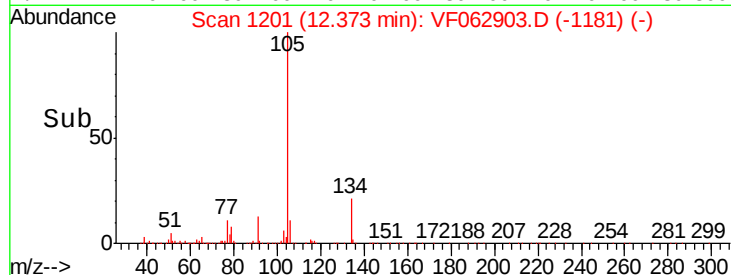
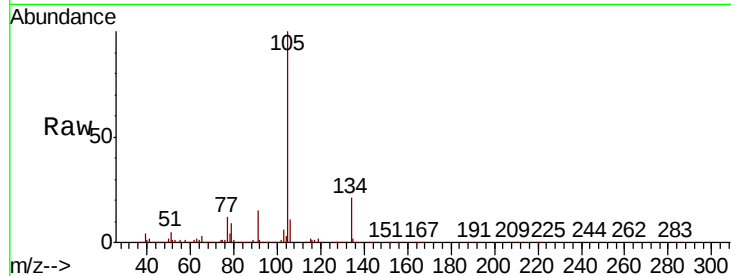
ClientSampleId :

Tot Ion:105 Resp: 1862179

Ion Ratio Lower Upper

105 100

134 21.4 10.5 31.6



#86

p-Isopropyltoluene

Concen: 53.122 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

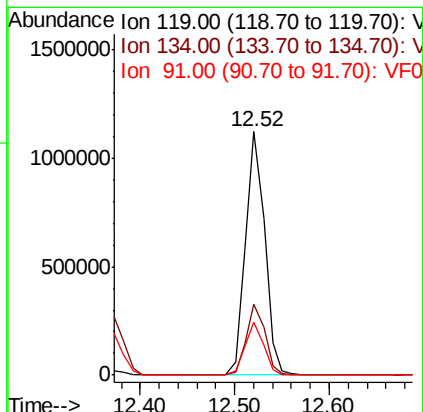
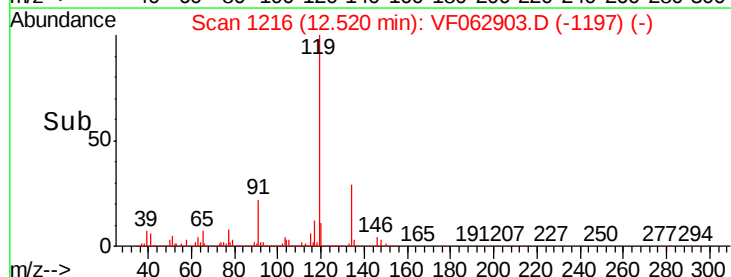
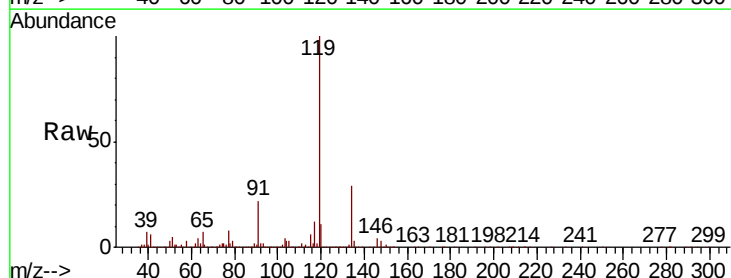
Tgt Ion:119 Resp: 1579110

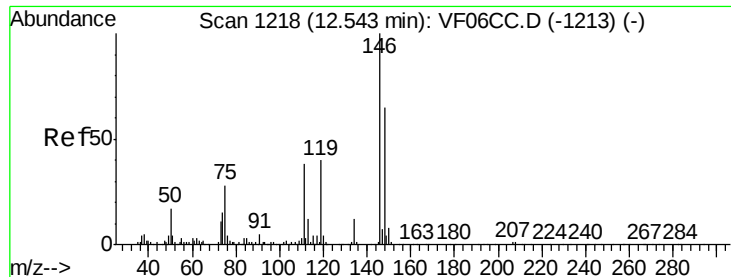
Ion Ratio Lower Upper

119 100

134 29.2 15.5 46.5

91 21.6 10.3 30.9





#87

1,3-Dichlorobenzene

Concen: 50.818 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Instrument :

MSVOA_F

ClientSampleId :

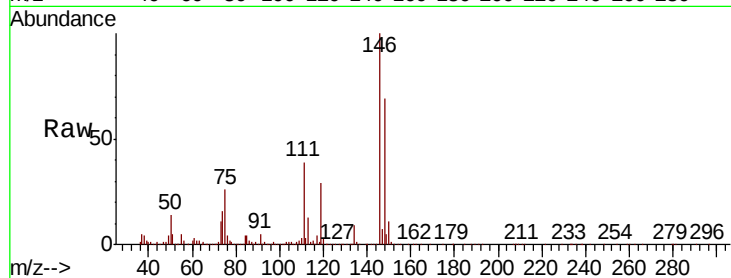
Tot Ion:146 Resp: 753181

Ion Ratio Lower Upper

146 100

111 39.2 19.6 58.8

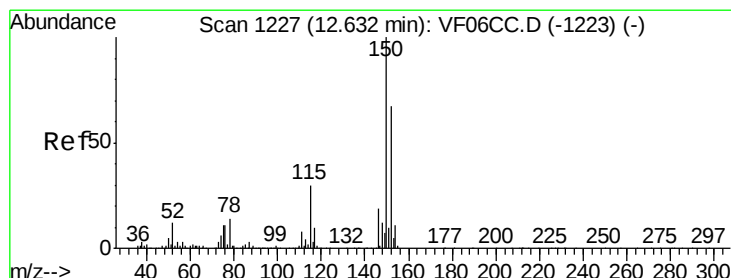
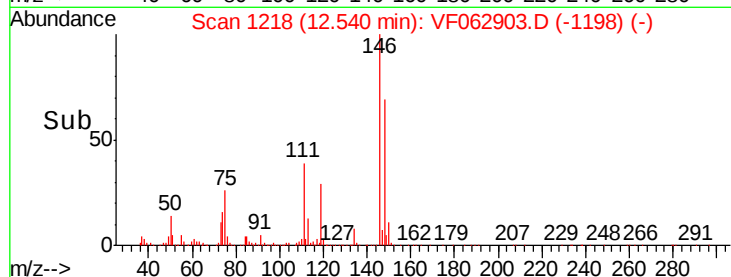
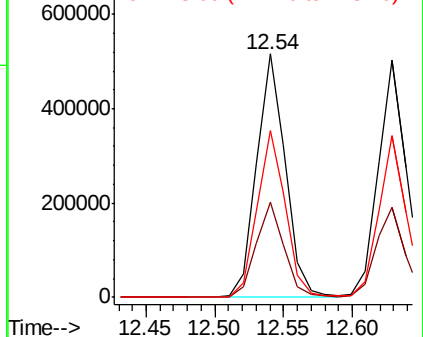
148 68.7 34.2 102.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 52.085 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

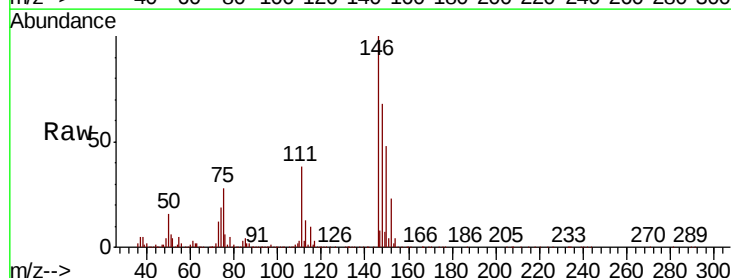
Tgt Ion:146 Resp: 720422

Ion Ratio Lower Upper

146 100

111 37.8 20.3 60.9

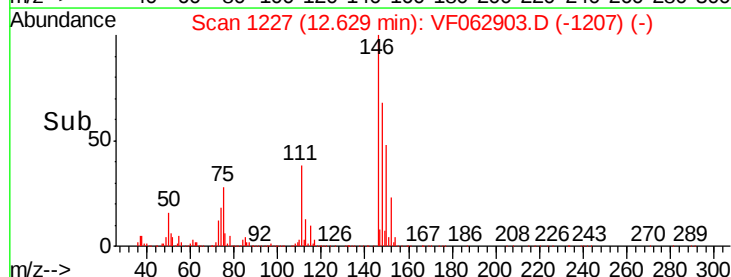
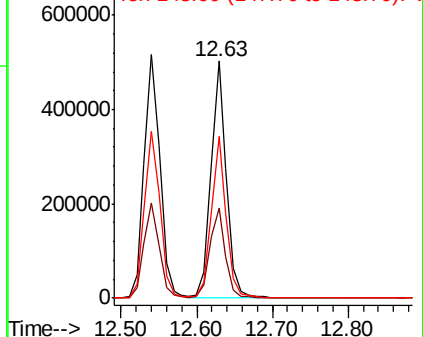
148 68.4 34.0 101.8

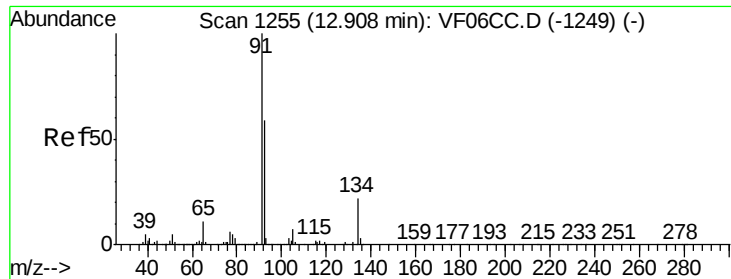


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

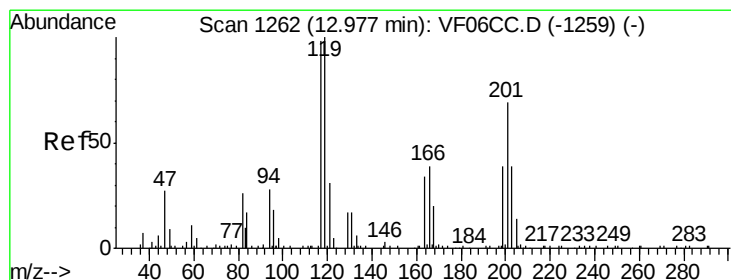
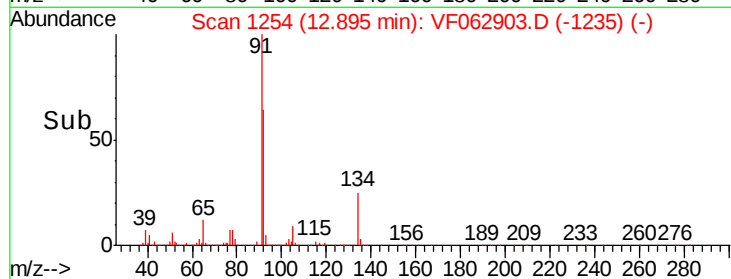
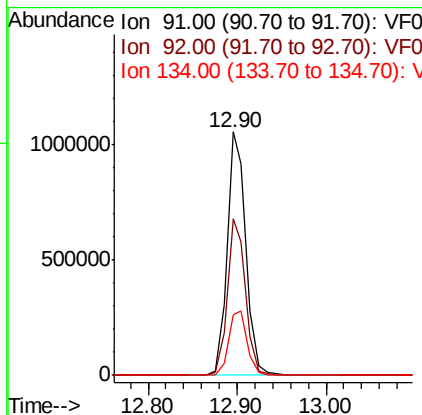
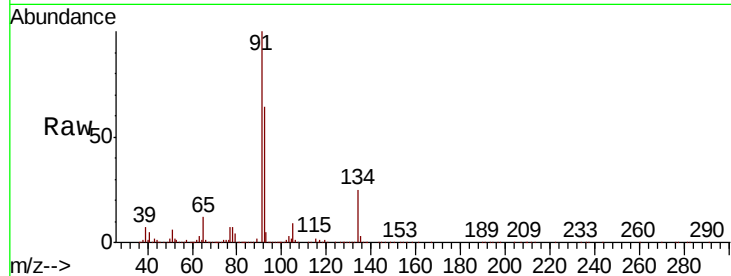




#89
n-Butylbenzene
Concen: 52.134 ug/l
RT: 12.90 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

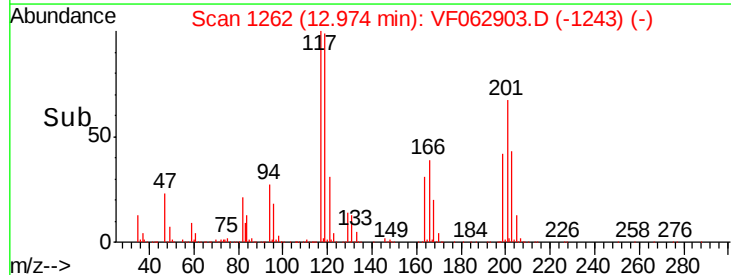
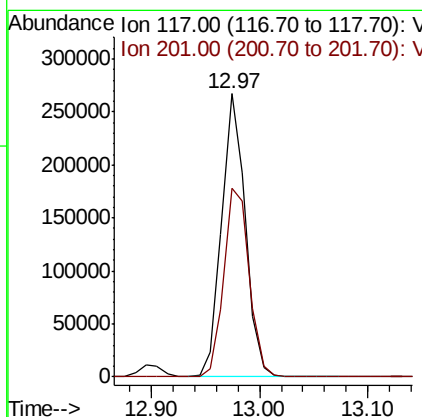
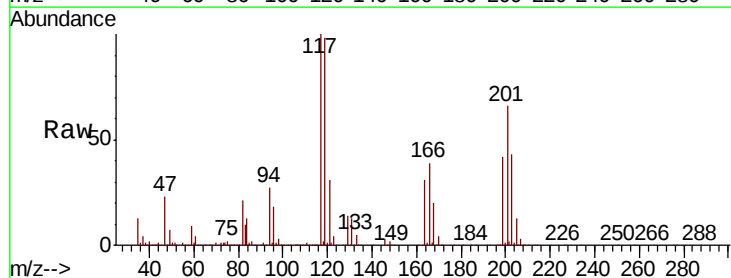
Instrument :
MSVOA_F
ClientSampled :

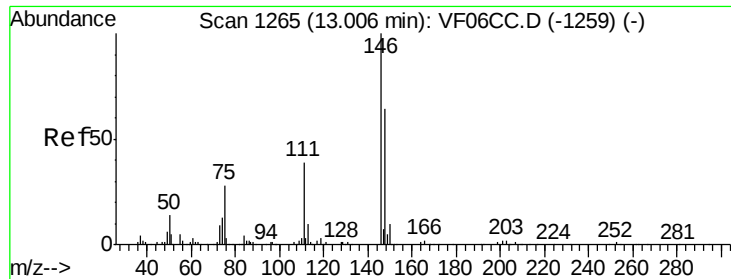
Tot Ion: 91 Resp: 1558935
Ion Ratio Lower Upper
91 100
92 64.4 34.2 102.6
134 25.0 15.8 47.3



#90
Hexachloroethane
Concen: 55.923 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. -0.01 min
Lab File: VF062903.D
Acq: 7 Jun 2019 17:39

Tgt Ion: 117 Resp: 405450
Ion Ratio Lower Upper
117 100
201 66.5 38.9 116.7





#91

1,2-Dichlorobenzene

Concen: 53.000 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Instrument :

MSVOA_F

ClientSampleId :

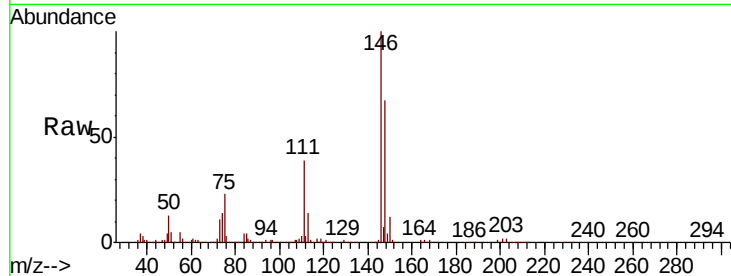
Tot Ion:146 Resp: 690429

Ion Ratio Lower Upper

146 100

111 38.8 20.4 61.3

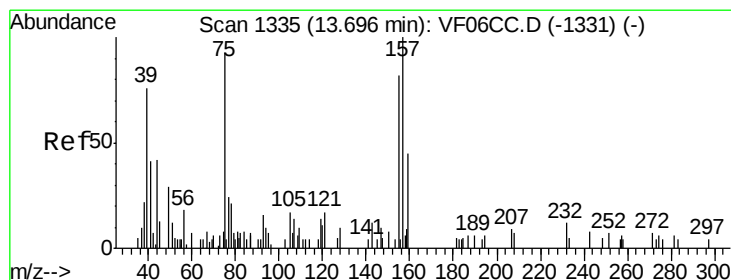
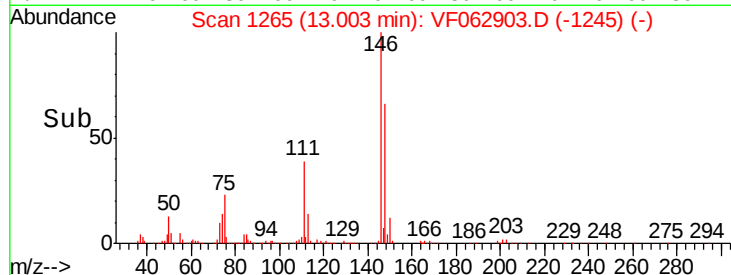
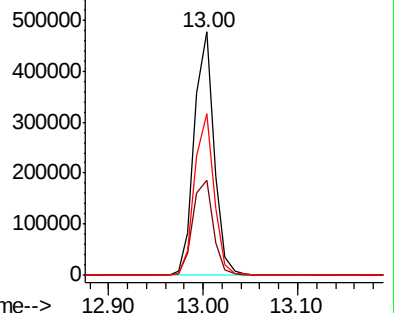
148 66.5 34.1 102.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 57.790 ug/l

RT: 13.69 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

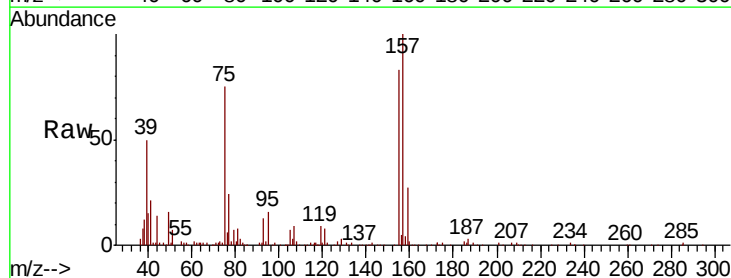
Tgt Ion: 75 Resp: 44970

Ion Ratio Lower Upper

75 100

155 110.7 51.7 155.1

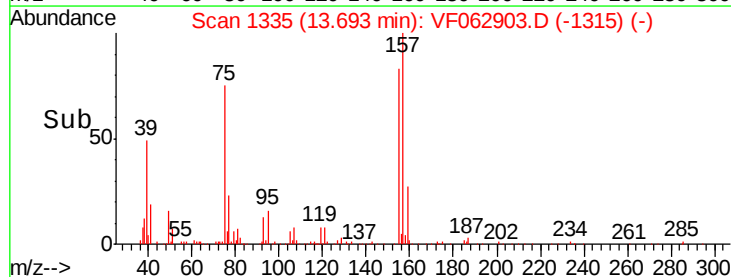
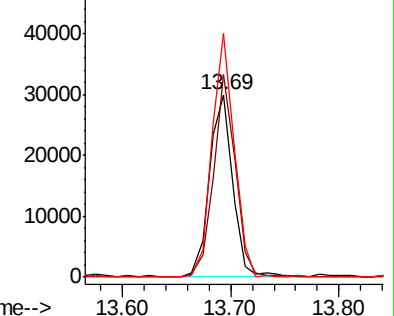
157 133.2 66.8 200.6

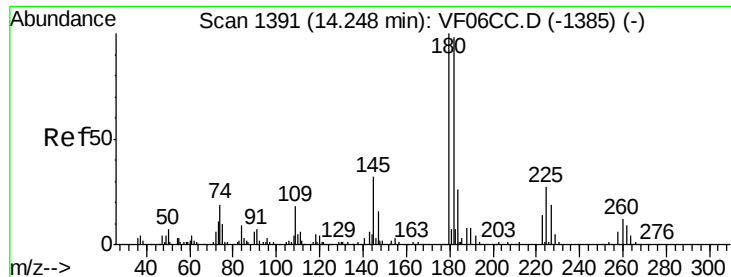


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

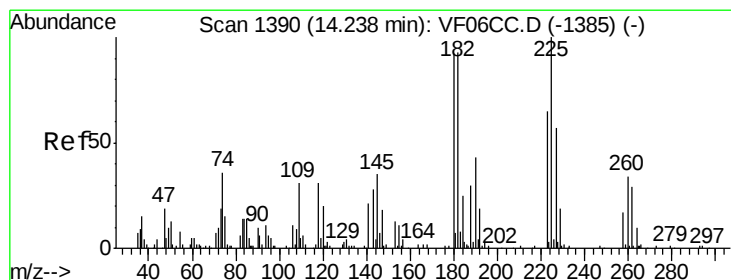
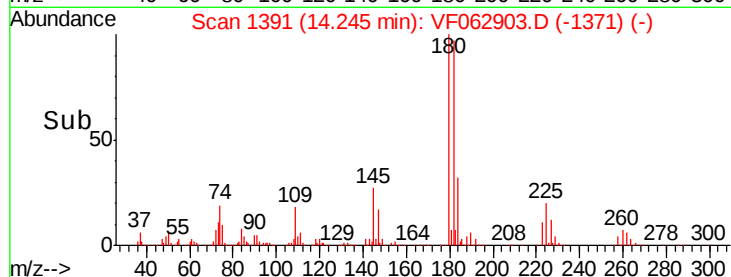
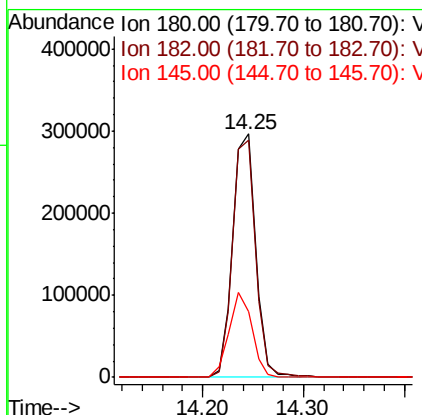
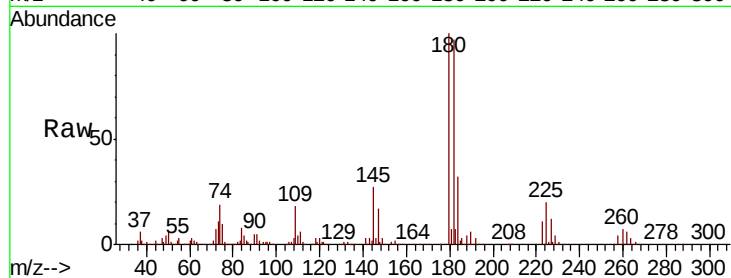




#93
 1,2,4-Trichlorobenzene
 Concen: 52.406 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VF062903.D
 Acq: 7 Jun 2019 17:39

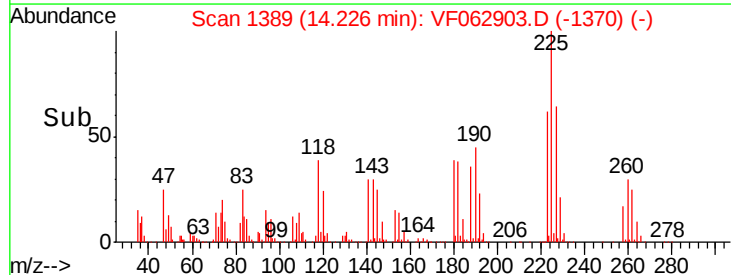
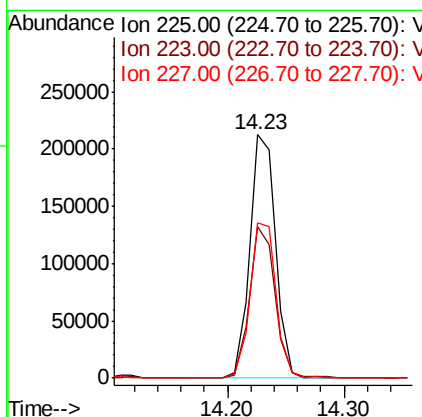
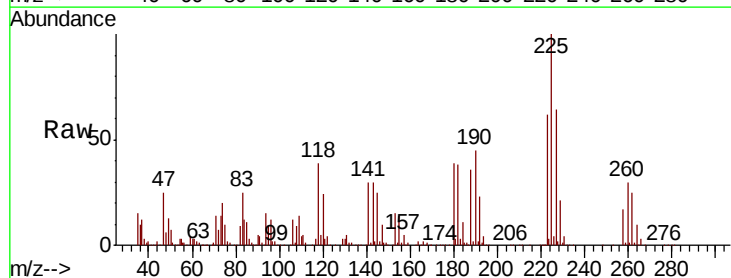
Instrument :
 MSVOA_F
 ClientSampleId :

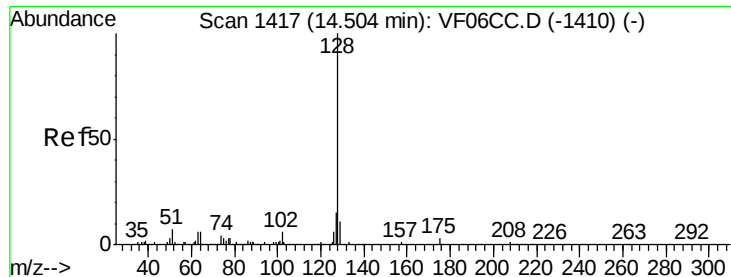
Tot Ion:180 Resp: 468743
 Ion Ratio Lower Upper
 180 100
 182 97.3 50.3 150.9
 145 27.2 15.4 46.2



#94
 Hexachlorobutadiene
 Concen: 52.456 ug/l
 RT: 14.23 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VF062903.D
 Acq: 7 Jun 2019 17:39

Tgt Ion:225 Resp: 324586
 Ion Ratio Lower Upper
 225 100
 223 62.0 30.8 92.4
 227 64.0 31.9 95.5





#95

Naphthalene

Concen: 55.080 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

Instrument :

MSVOA_F

ClientSampleId :

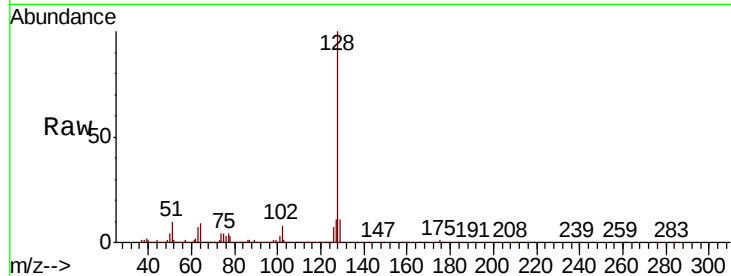
Tot Ion:128 Resp: 807116

Ion Ratio Lower Upper

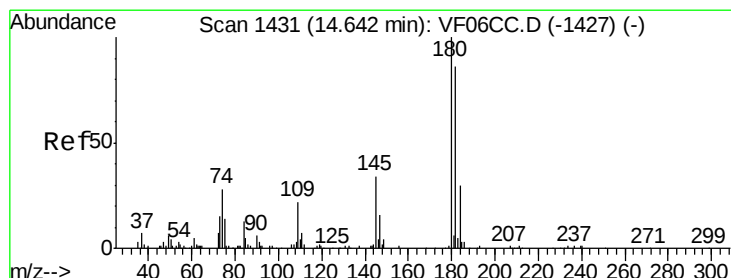
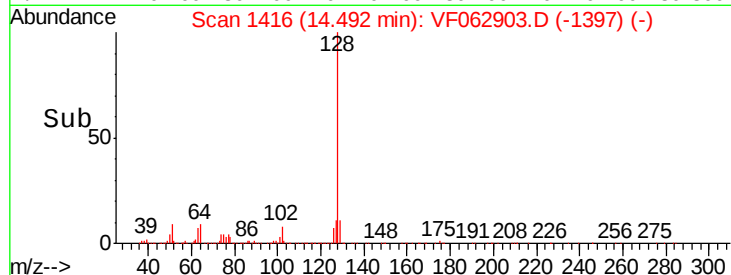
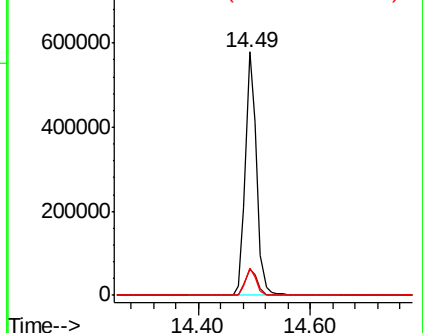
128 100

127 10.7 9.7 14.5

129 11.0 9.4 14.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.681 ug/l

RT: 14.64 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VF062903.D

Acq: 7 Jun 2019 17:39

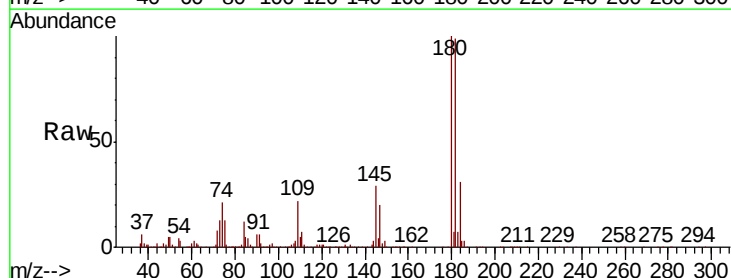
Tgt Ion:180 Resp: 430126

Ion Ratio Lower Upper

180 100

182 98.8 48.6 145.9

145 29.0 15.7 47.0



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

