

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF053019\
 Data File : VF062799.D
 Acq On : 30 May 2019 17:28
 Operator : FY/SY
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 31 05:43:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	979615	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1622833	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	1270211	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	579716	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.05	65	342732	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
35) Dibromofluoromethane	4.33	113	626101	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
50) Toluene-d8	7.73	98	1582476	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
62) 4-Bromofluorobenzene	11.51	95	577720	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.01	85	505926	45.233	ug/l 97
3) Chloromethane	1.16	50	469055	46.275	ug/l 98
4) Vinyl Chloride	1.20	62	466022	46.266	ug/l 99
5) Bromomethane	1.41	94	284771	49.574	ug/l 96
6) Chloroethane	1.45	64	180267	47.866	ug/l 95
7) Trichlorofluoromethane	1.57	101	637352	44.697	ug/l 92
8) Diethyl Ether	1.72	74	116968	41.693	ug/l 86
9) 1,1,2-Trichlorotrifluoroet	1.93	101	415444	46.340	ug/l 97
10) Methyl Iodide	2.00	142	812429	45.197	ug/l 99
11) Tert butyl alcohol	2.72	59	96277	234.611	ug/l 96
12) 1,1-Dichloroethene	1.89	96	372991	45.818	ug/l 98
13) Acrolein	2.11	56	42577	260.041	ug/l 95
14) Allyl chloride	2.21	41	286280	45.330	ug/l 97
15) Acrylonitrile	3.11	53	272440	176.680	ug/l 92
16) Acetone	2.36	43	400704	258.446	ug/l 96
17) Carbon Disulfide	1.94	76	1098020	46.149	ug/l 99
18) Methyl Acetate	2.48	43	107836	39.801	ug/l 91
19) Methyl tert-butyl Ether	2.57	73	695065	47.127	ug/l 98
20) Methylene Chloride	2.35	84	276238	34.663	ug/l 97
21) trans-1,2-Dichloroethene	2.44	96	373593	45.771	ug/l 97
22) Diisopropyl ether	2.95	45	871594	48.576	ug/l 99
23) Vinyl Acetate	3.37	43	2952020	240.318	ug/l 98
24) 1,1-Dichloroethane	3.03	63	615292	45.928	ug/l 97
25) 2-Butanone	4.55	43	909704	251.952	ug/l 98
26) 2,2-Dichloropropane	3.80	77	356205	46.827	ug/l 94
27) cis-1,2-Dichloroethene	3.67	96	633066	46.141	ug/l 96
28) Bromochloromethane	3.93	49	378234	51.904	ug/l 99
29) Tetrahydrofuran	4.29	42	343184	248.511	ug/l 99
30) Chloroform	4.08	83	883894	46.814	ug/l 99
31) Cyclohexane	3.91	56	880675	48.556	ug/l 95
32) 1,1,1-Trichloroethane	4.31	97	593097	53.952	ug/l 98
36) 1,1-Dichloropropene	4.50	75	761051	50.942	ug/l 97
37) Ethyl Acetate	4.33	43	286000	50.080	ug/l 95
38) Carbon Tetrachloride	4.21	117	535423	53.029	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	865921	46.570	ug/l	98
40) Benzene	4.84	78	2084724	47.947	ug/l	97
41) Methacrylonitrile	4.95	41	151358	47.675	ug/l	97
42) 1,2-Dichloroethane	5.15	62	409191	49.482	ug/l	95
43) Isopropyl Acetate	7.13	43	381098	50.516	ug/l #	96
44) Trichloroethene	5.70	130	552189	44.999	ug/l	99
45) 1,2-Dichloropropane	6.43	63	539129	49.411	ug/l	94
46) Dibromomethane	6.28	93	320161	50.258	ug/l	98
47) Bromodichloromethane	6.58	83	659687	50.848	ug/l	97
48) Methyl methacrylate	6.89	41	196164	50.454	ug/l	91
49) 1,4-Dioxane	6.89	88	54274	1059.044	ug/l	99
51) 4-Methyl-2-Pentanone	8.42	43	1337251	248.279	ug/l	98
52) Toluene	7.80	92	1103432	47.117	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	526710	48.993	ug/l	98
54) cis-1,3-Dichloropropene	7.48	75	744563	47.846	ug/l	99
55) 1,1,2-Trichloroethane	8.66	97	335380	47.937	ug/l	98
56) Ethyl methacrylate	8.78	69	382396	50.940	ug/l	98
57) 1,3-Dichloropropane	9.01	76	583880	51.105	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.47	63	686202	261.554	ug/l	100
59) 2-Hexanone	9.64	43	994184	258.968	ug/l	95
60) Dibromochloromethane	8.88	129	429961	49.638	ug/l	99
61) 1,2-Dibromoethane	9.15	107	364235	50.128	ug/l	96
64) Tetrachloroethene	8.32	164	436226	44.692	ug/l	93
65) Chlorobenzene	9.95	112	1162168	47.378	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.08	131	456114	46.689	ug/l	98
67) Ethyl Benzene	10.05	91	2032532	48.286	ug/l	98
68) m/p-Xylenes	10.28	106	1520606	94.401	ug/l	99
69) o-Xylene	10.84	106	786652	48.235	ug/l	97
70) Styrene	10.91	104	1197894	49.833	ug/l	99
71) Bromoform	10.90	173	229074	48.880	ug/l #	99
73) Isopropylbenzene	11.23	105	2028805	50.156	ug/l	100
74) N-amyl acetate	11.46	43	586565	51.450	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	395036	45.731	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	248318	43.367	ug/l	95
77) Bromobenzene	11.60	156	501776	49.370	ug/l	96
78) n-propylbenzene	11.69	91	2274691	46.573	ug/l	98
79) 2-Chlorotoluene	11.81	91	1289907	46.156	ug/l	93
80) 1,3,5-Trimethylbenzene	11.91	105	1493993	45.163	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	145191	59.893	ug/l	93
82) 4-Chlorotoluene	11.98	91	1300308	47.345	ug/l	95
83) tert-Butylbenzene	12.21	119	1518621	46.331	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	1481319	47.230	ug/l	96
85) sec-Butylbenzene	12.39	105	2047201	47.399	ug/l	96
86) p-Isopropyltoluene	12.53	119	1709293	47.546	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	821316	45.821	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	785716	46.971	ug/l	96
89) n-Butylbenzene	12.91	91	1674151	46.294	ug/l	98
90) Hexachloroethane	12.99	117	416550	47.507	ug/l	97
91) 1,2-Dichlorobenzene	13.01	146	734375	46.613	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	42806	45.485	ug/l	86

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Quant Title : SW846 8260
QLast Update : Fri May 31 04:18:30 2019
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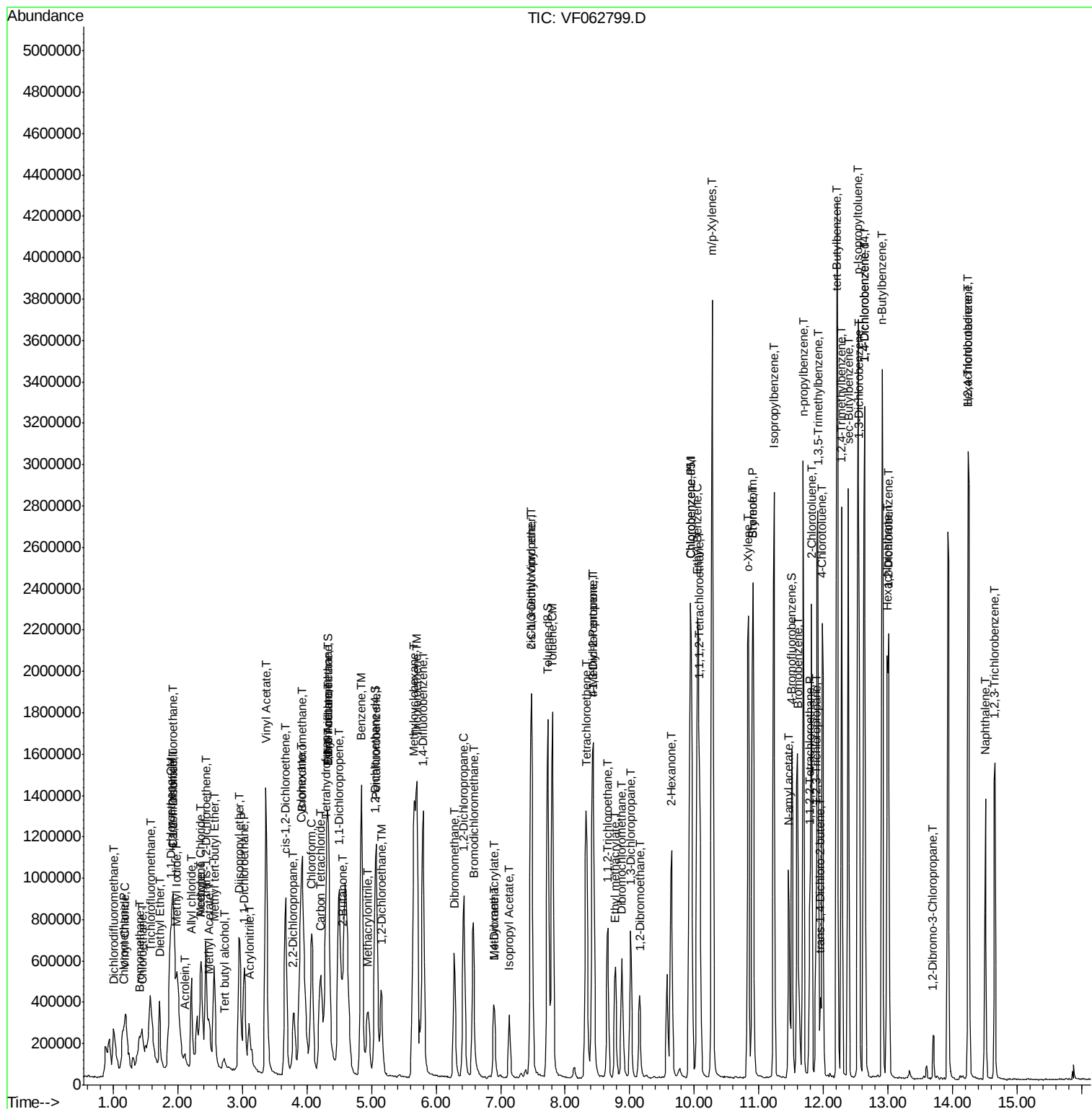
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	528898	48.894	ug/l	99
94) Hexachlorobutadiene	14.24	225	364221	48.670	ug/l	98
95) Naphthalene	14.50	128	943329	53.229	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	493663	49.995	ug/l	97

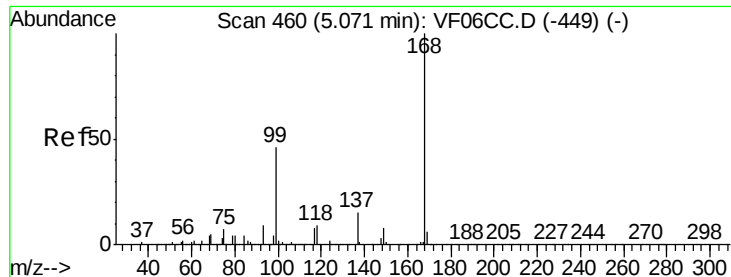
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF053019\
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 ClientSampled :

Quant Time: May 31 05:43:57 2019
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 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. 0.01 min

Lab File: VF062799.D

Acq: 30 May 2019 17:28

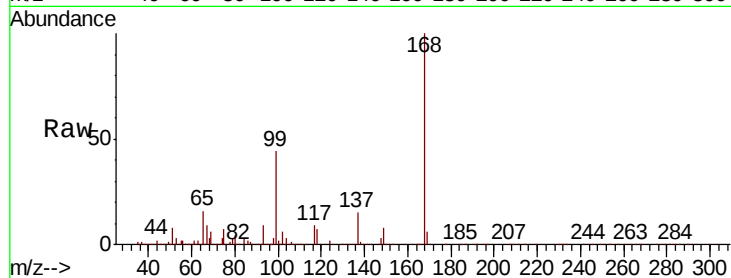
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 979615

Ion Ratio Lower Upper

168 100

99 44.3 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.08

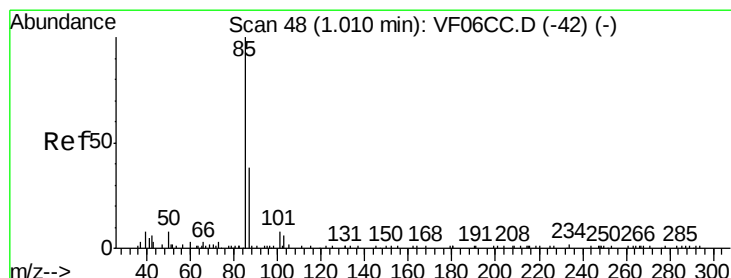
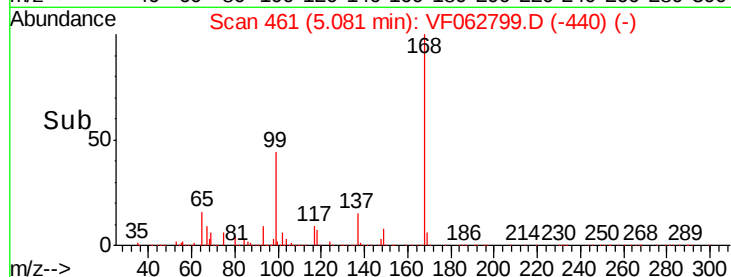
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.233 ug/l

RT: 1.01 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062799.D

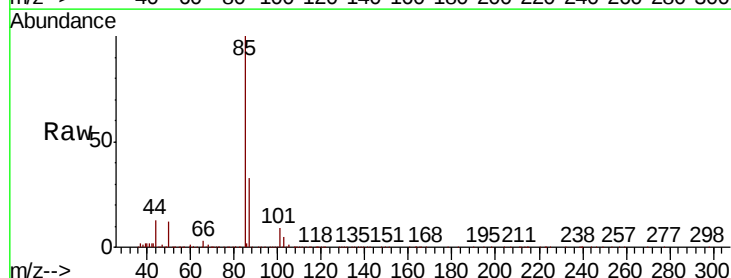
Acq: 30 May 2019 17:28

Tgt Ion: 85 Resp: 505926

Ion Ratio Lower Upper

85 100

87 33.5 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

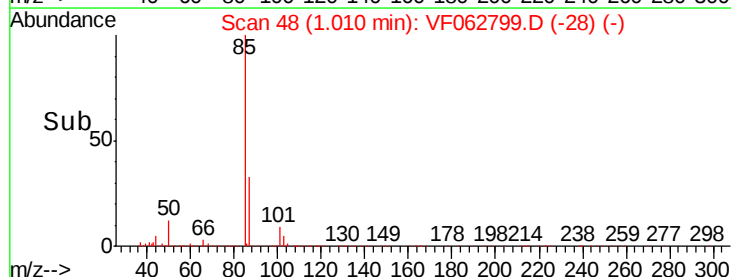
150000

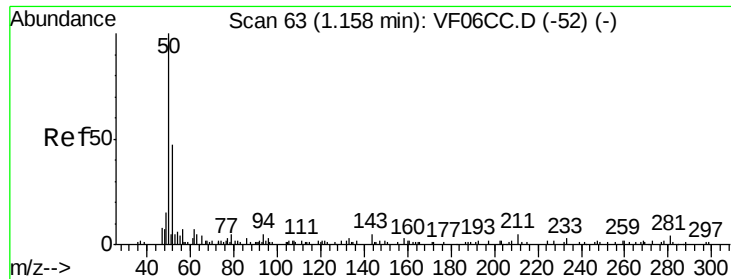
100000

50000

0

Time-->





#3

Chloromethane

Concen: 46.275 ug/l

RT: 1.16 min Scan# 63

Delta R.T. 0.01 min

Lab File: VF062799.D

Acq: 30 May 2019 17:28

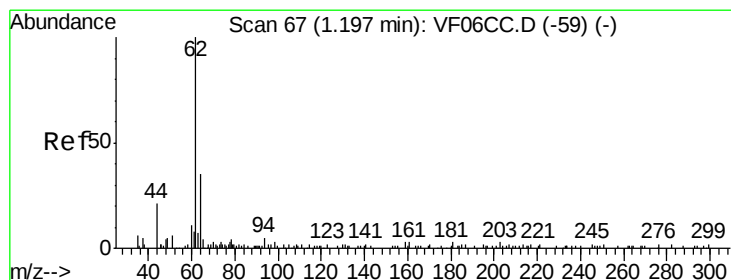
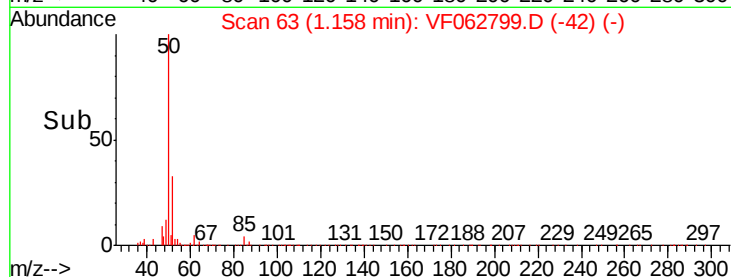
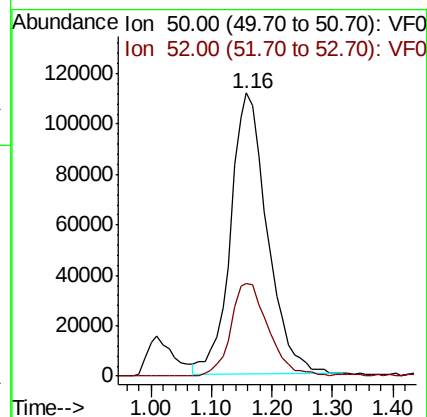
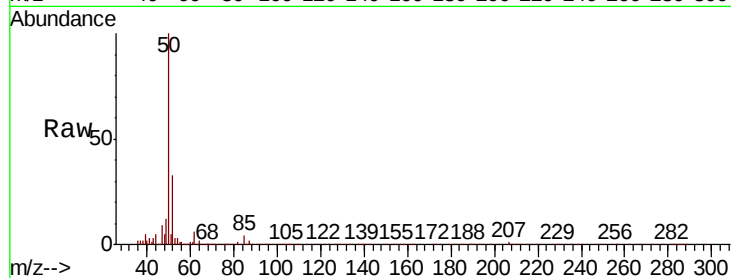
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 469055

Ion Ratio Lower Upper

50 100

52 32.8 27.0 40.4



#4

Vinyl Chloride

Concen: 46.266 ug/l

RT: 1.20 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062799.D

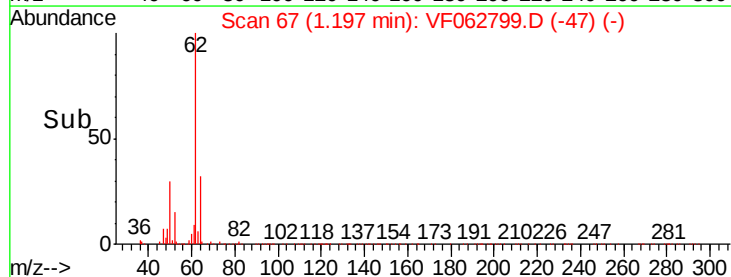
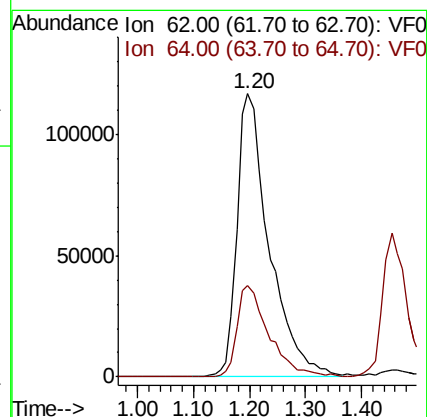
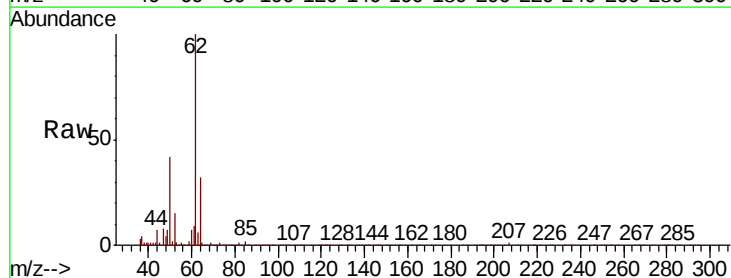
Acq: 30 May 2019 17:28

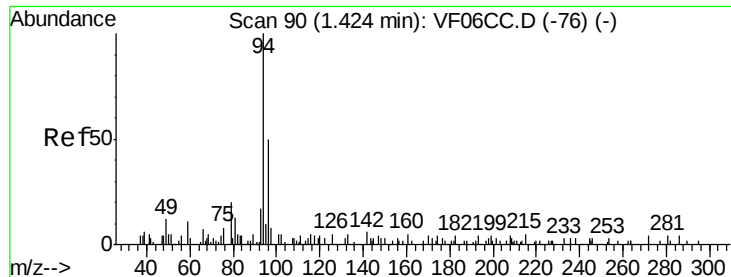
Tgt Ion: 62 Resp: 466022

Ion Ratio Lower Upper

62 100

64 32.2 26.2 39.2





#5

Bromomethane

Concen: 49.574 ug/l

RT: 1.41 min Scan# 89

Delta R.T. 0.01 min

Lab File: VF062799.D

Acq: 30 May 2019 17:28

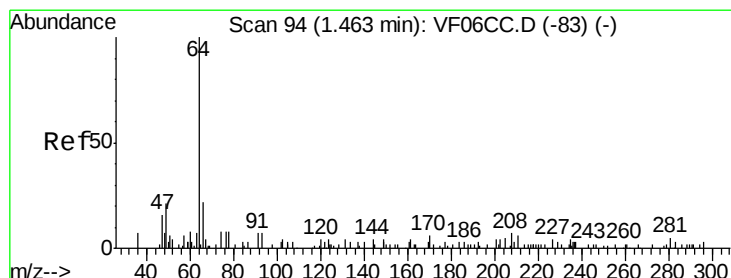
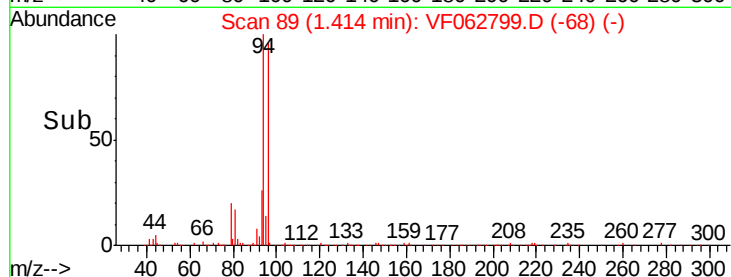
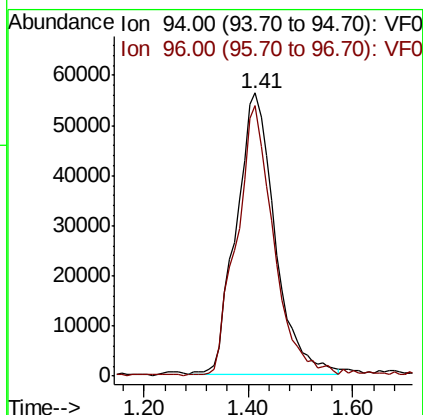
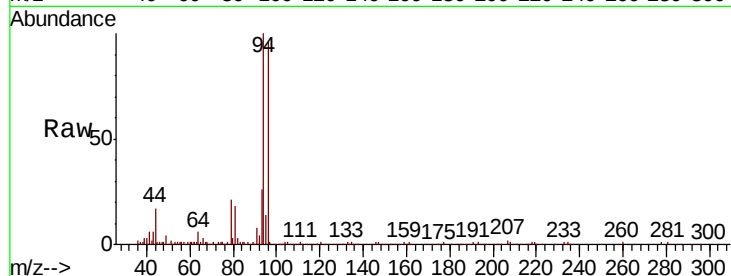
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 284771

Ion Ratio Lower Upper

94 100

96 95.8 73.8 110.6



#6

Chloroethane

Concen: 47.866 ug/l

RT: 1.45 min Scan# 93

Delta R.T. -0.01 min

Lab File: VF062799.D

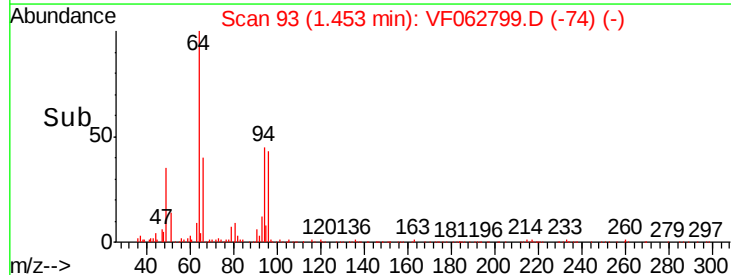
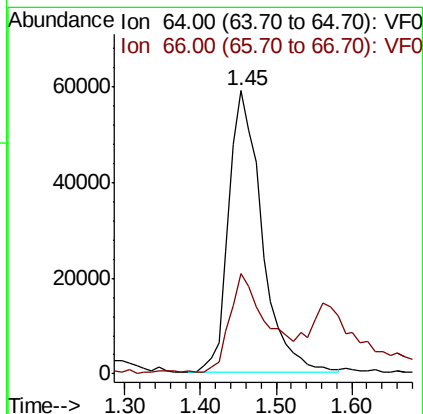
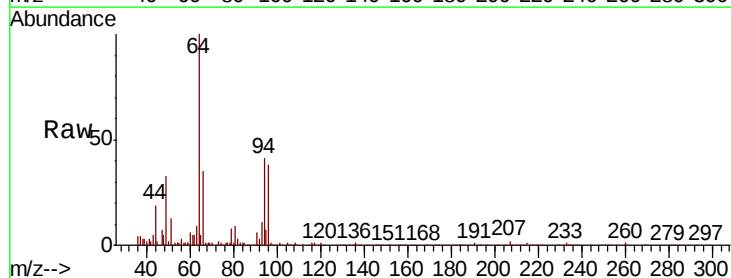
Acq: 30 May 2019 17:28

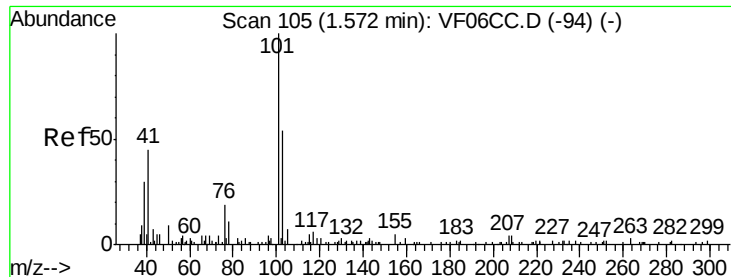
Tgt Ion: 64 Resp: 180267

Ion Ratio Lower Upper

64 100

66 35.4 31.0 46.4



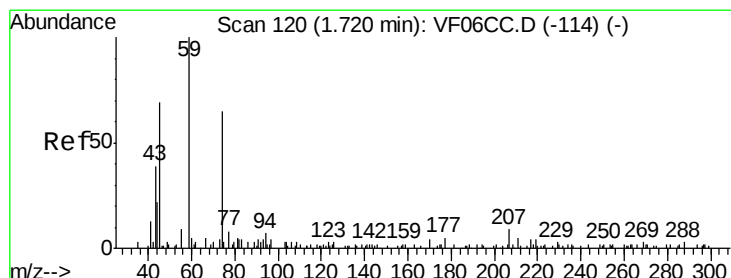
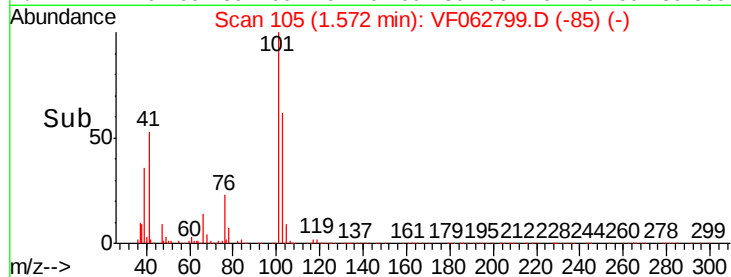
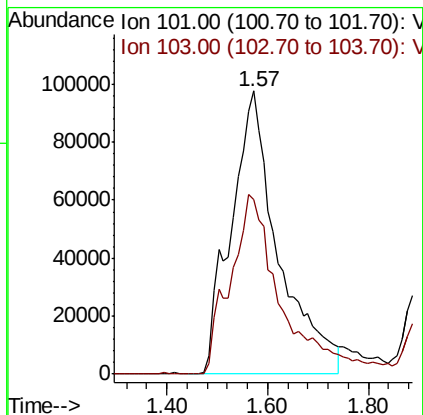
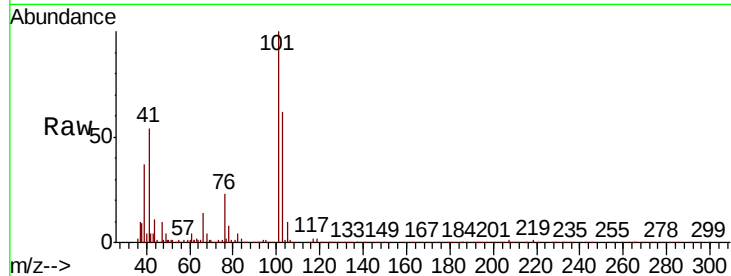


#7

Trichlorofluoromethane
Concen: 44.697 ug/l
RT: 1.57 min Scan# 105
Delta R.T. -0.00 min
Lab File: VF062799.D
Acq: 30 May 2019 17:28

Instrument :
MSVOA_F
ClientSampled :

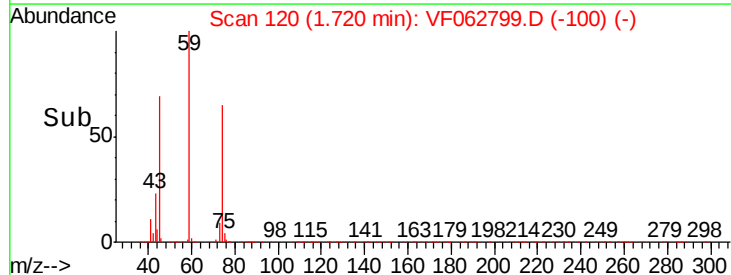
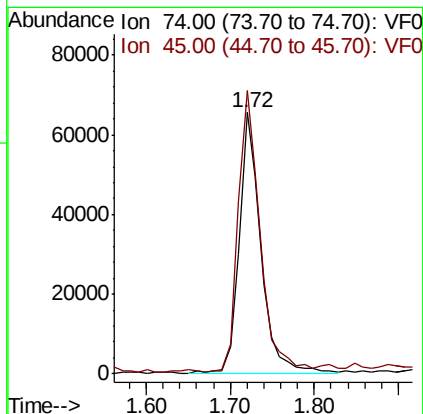
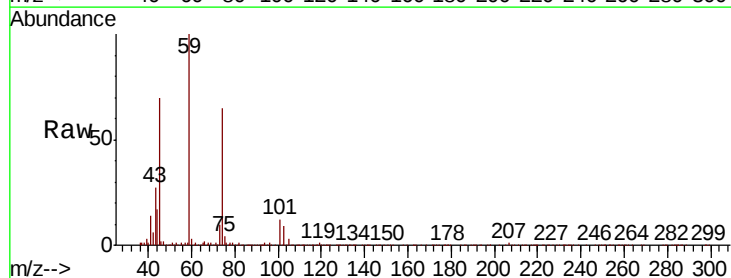
Tot Ion:101 Resp: 637352
Ion Ratio Lower Upper
101 100
103 61.9 54.6 82.0

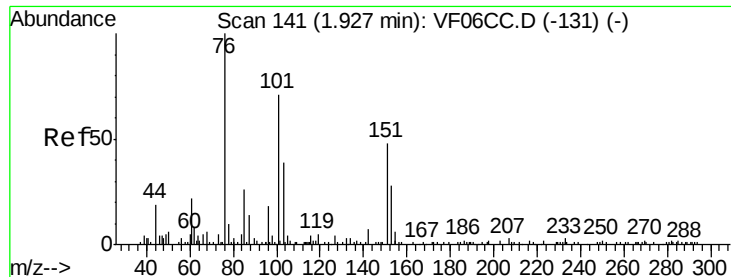


#8

Diethyl Ether
Concen: 41.693 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.00 min
Lab File: VF062799.D
Acq: 30 May 2019 17:28

Tgt Ion: 74 Resp: 116968
Ion Ratio Lower Upper
74 100
45 108.3 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.340 ug/l

RT: 1.93 min Scan# 141

Delta R.T. -0.01 min

Lab File: VF062799.D

Acq: 30 May 2019 17:28

Instrument :

MSVOA_F

ClientSampleId :

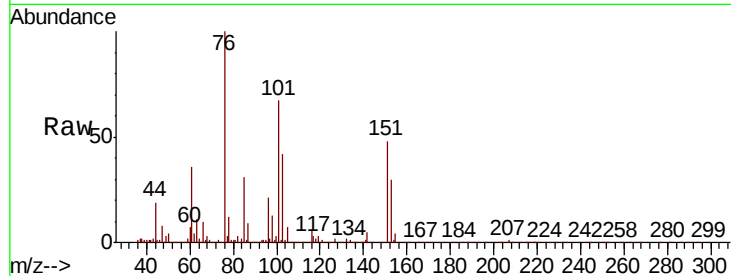
Tot Ion:101 Resp: 415444

Ion Ratio Lower Upper

101 100

85 46.7 37.1 55.7

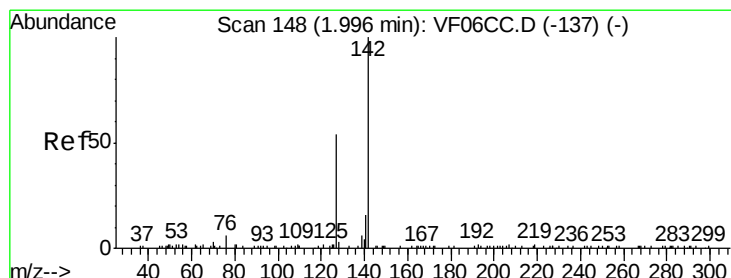
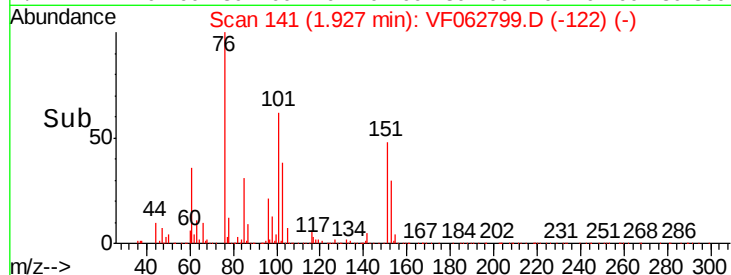
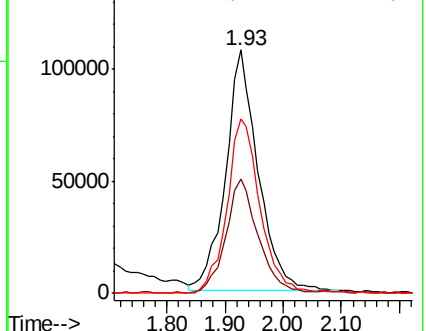
151 71.8 60.3 90.5



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: 45.197 ug/l

RT: 2.00 min Scan# 148

Delta R.T. -0.02 min

Lab File: VF062799.D

Acq: 30 May 2019 17:28

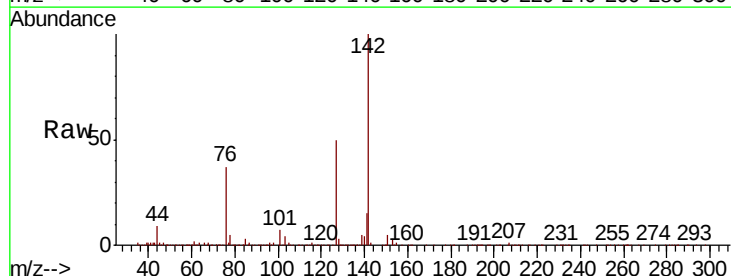
Tgt Ion:142 Resp: 812429

Ion Ratio Lower Upper

142 100

127 49.6 39.4 59.2

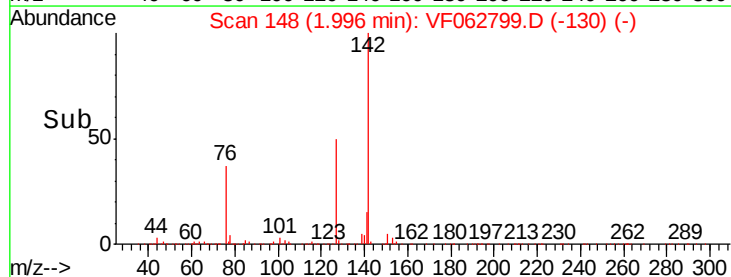
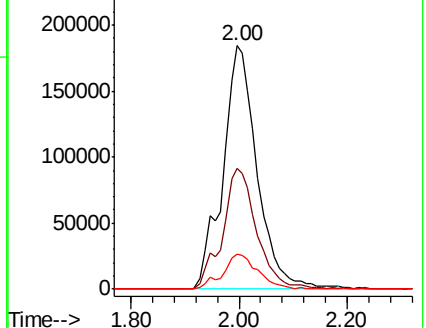
141 14.6 10.6 15.8

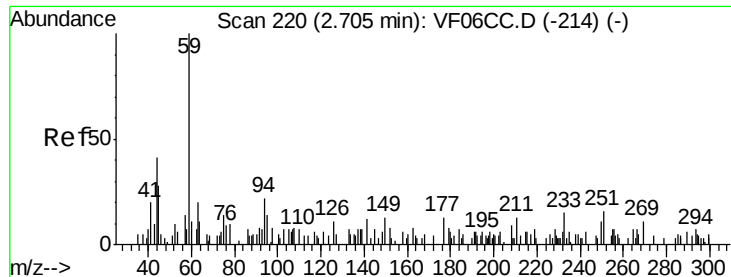


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

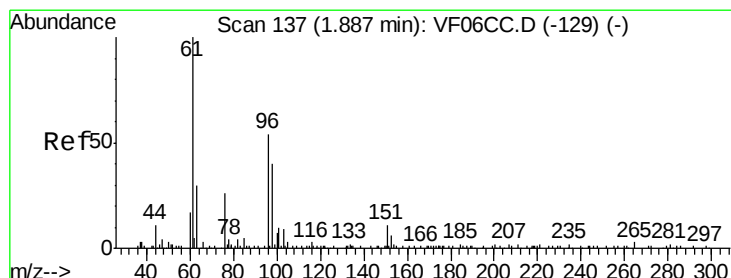
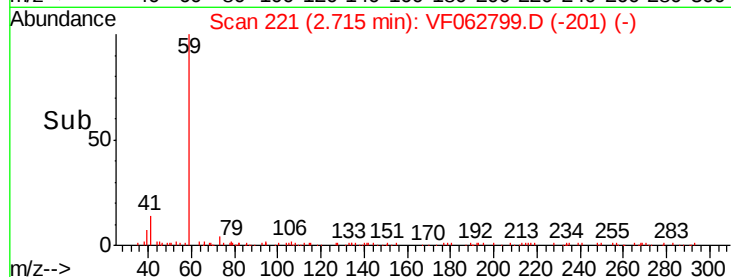
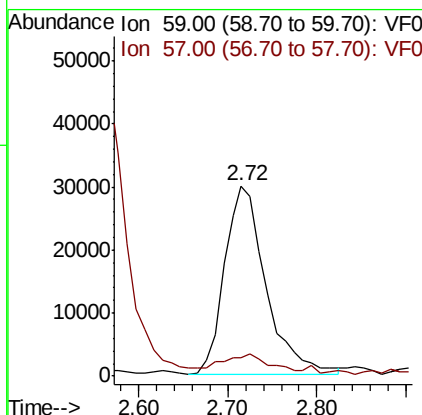
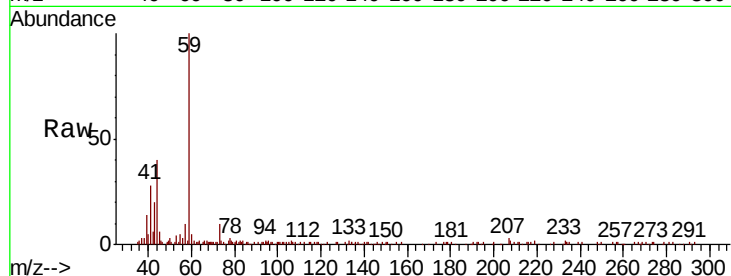




#11
Tert butyl alcohol
Concen: 234.611 ug/l
RT: 2.72 min Scan# 221
Delta R.T. -0.00 min
Lab File: VF062799.D
Acq: 30 May 2019 17:28

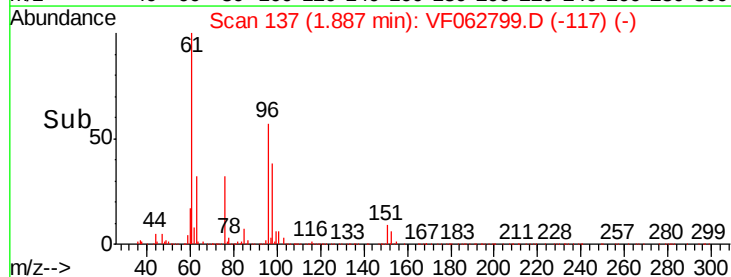
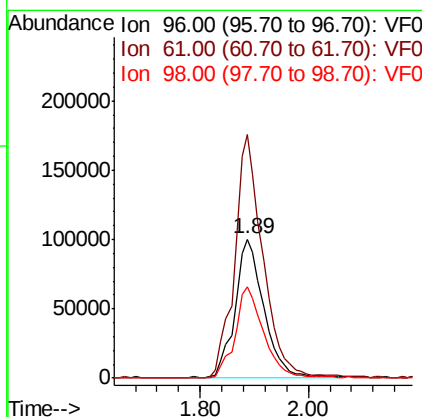
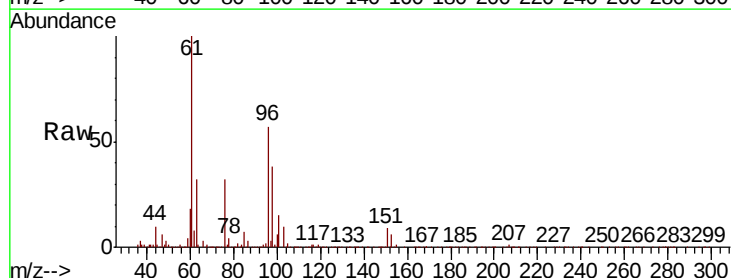
Instrument :
MSVOA_F
ClientSampled :

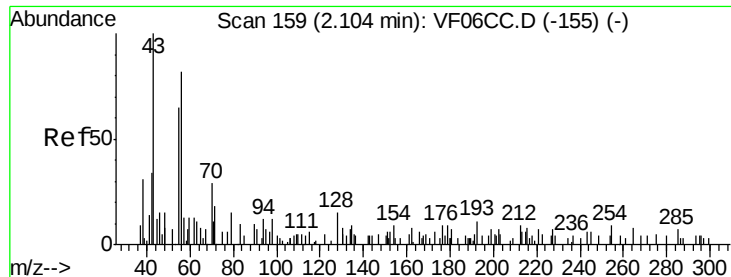
Tot Ion: 59 Resp: 96277
Ion Ratio Lower Upper
59 100
57 9.8 9.2 13.8



#12
1,1-Dichloroethene
Concen: 45.818 ug/l
RT: 1.89 min Scan# 137
Delta R.T. -0.00 min
Lab File: VF062799.D
Acq: 30 May 2019 17:28

Tgt Ion: 96 Resp: 372991
Ion Ratio Lower Upper
96 100
61 175.1 139.4 209.2
98 66.1 50.3 75.5

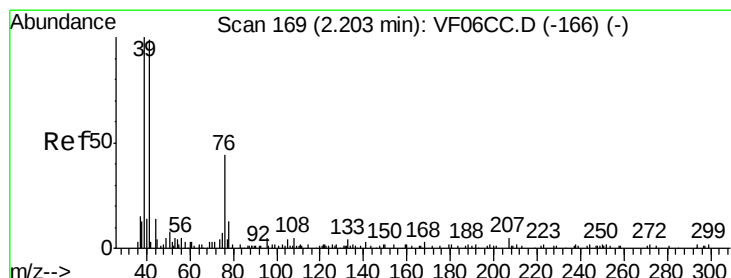
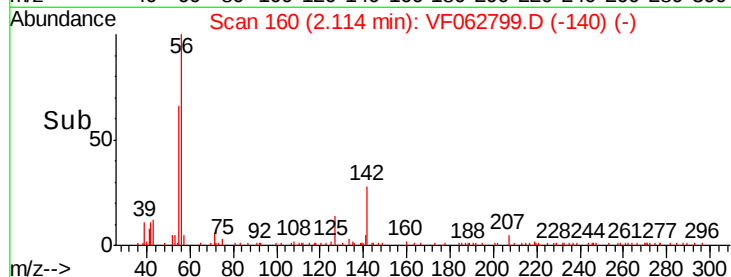
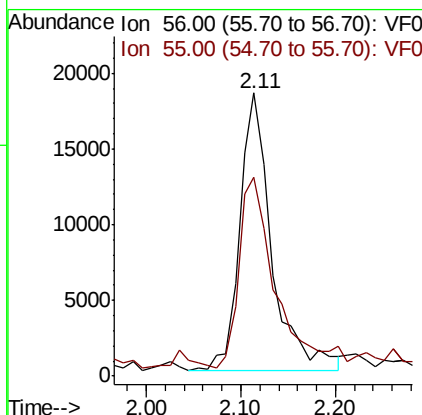
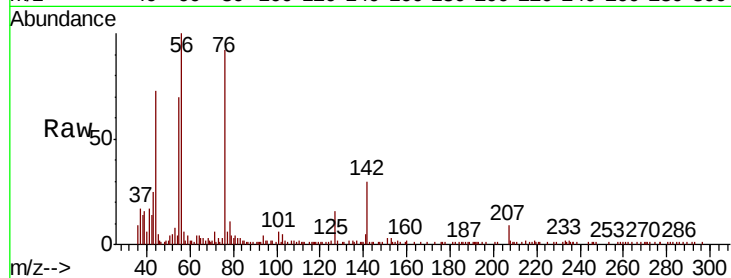




#13
Acrolein
Concen: 260.041 ug/l
RT: 2.11 min Scan# 160
Delta R.T. -0.00 min
Lab File: VF062799.D
Acq: 30 May 2019 17:28

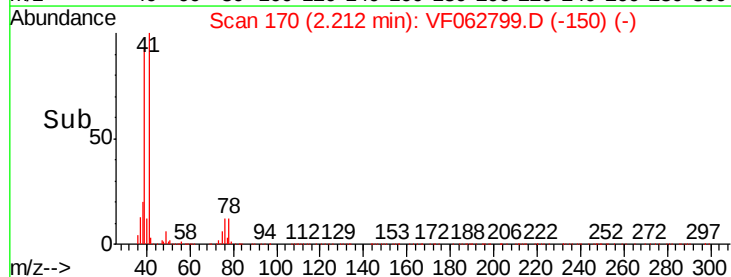
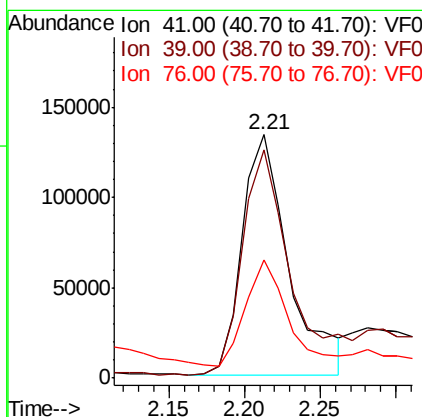
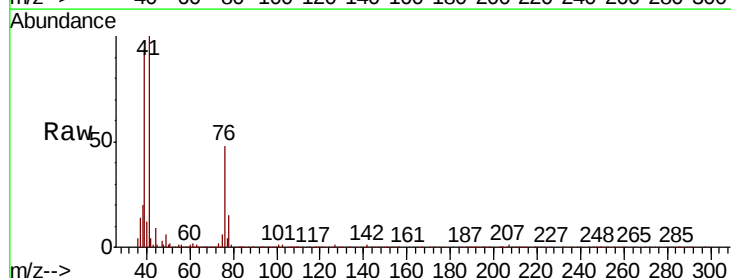
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 42577
Ion Ratio Lower Upper
56 100
55 70.3 52.9 79.3



#14
Allyl chloride
Concen: 45.330 ug/l
RT: 2.21 min Scan# 170
Delta R.T. -0.00 min
Lab File: VF062799.D
Acq: 30 May 2019 17:28

Tgt Ion: 41 Resp: 286280
Ion Ratio Lower Upper
41 100
39 93.6 71.9 107.9
76 48.4 39.6 59.4

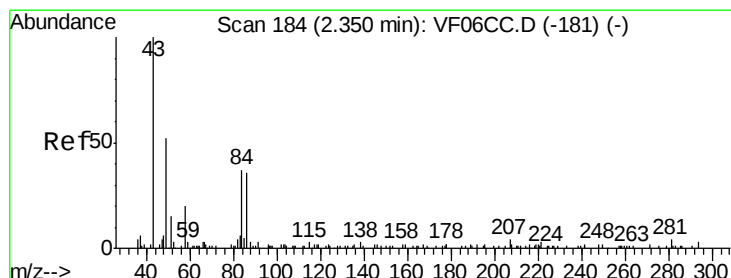
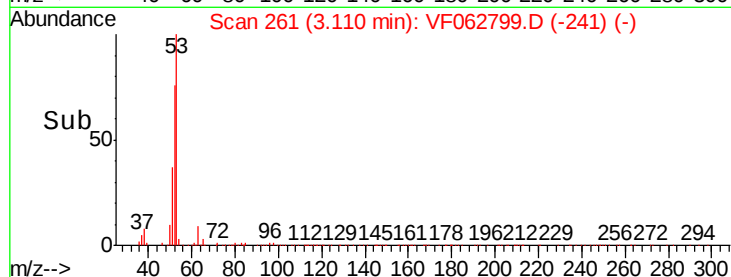
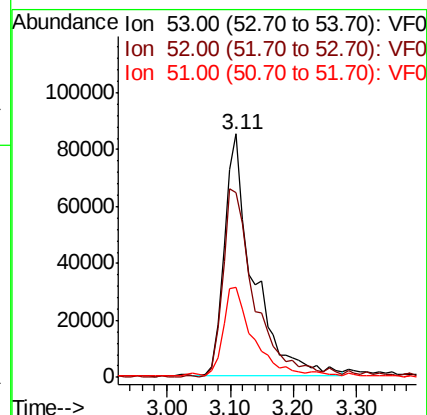
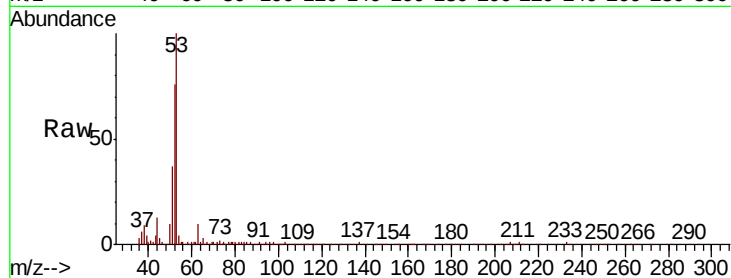




#15
 Acrylonitrile
 Concen: 176.680 ug/l
 RT: 3.11 min Scan# 261
 Delta R.T. -0.00 min
 Lab File: VF062799.D
 Acq: 30 May 2019 17:28

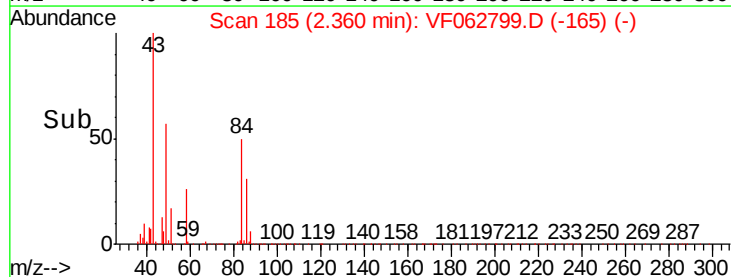
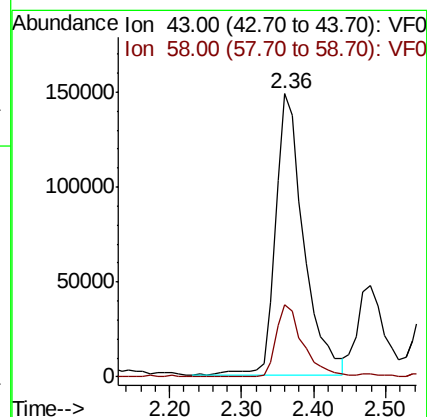
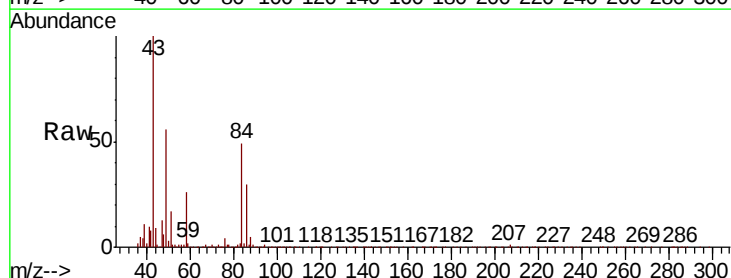
Instrument :
 MSVOA_F
 ClientSampleId :

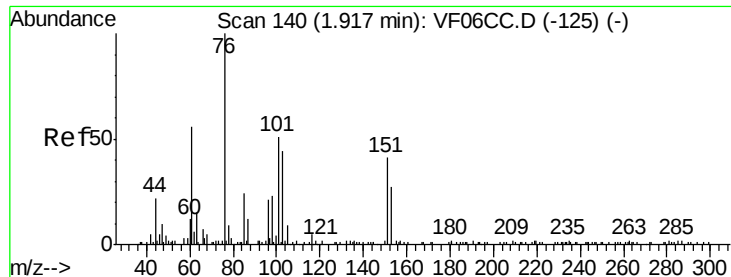
Tot Ion: 53 Resp: 272440
 Ion Ratio Lower Upper
 53 100
 52 75.9 68.1 102.1
 51 37.0 27.7 41.5



#16
 Acetone
 Concen: 258.446 ug/l
 RT: 2.36 min Scan# 185
 Delta R.T. -0.00 min
 Lab File: VF062799.D
 Acq: 30 May 2019 17:28

Tgt Ion: 43 Resp: 400704
 Ion Ratio Lower Upper
 43 100
 58 25.7 19.0 28.4

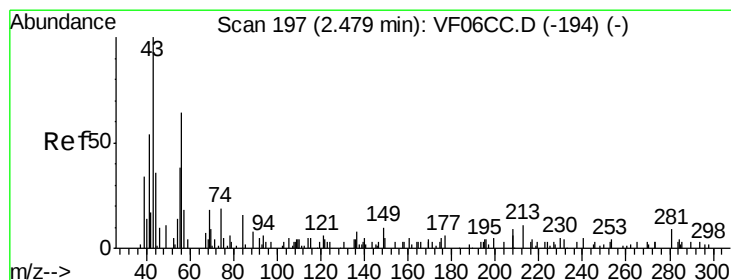
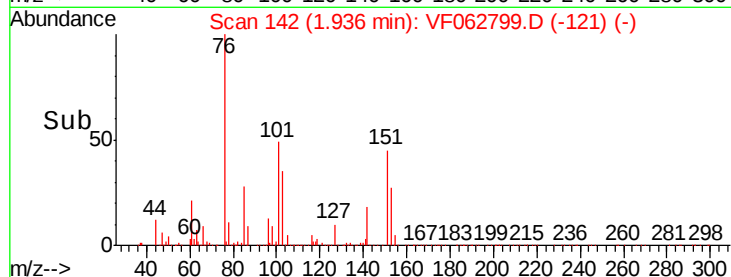
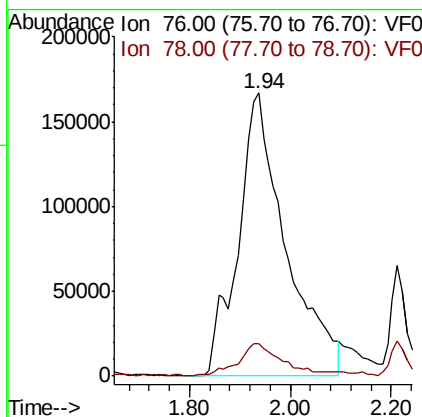
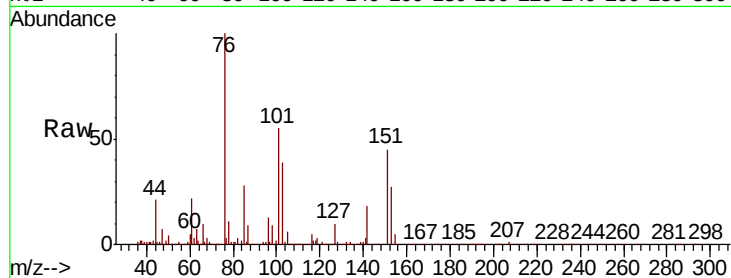




#17
Carbon Disulfide
Concen: 46.149 ug/l
RT: 1.94 min Scan# 142
Delta R.T. 0.01 min
Lab File: VF062799.D
Acq: 30 May 2019 17:28

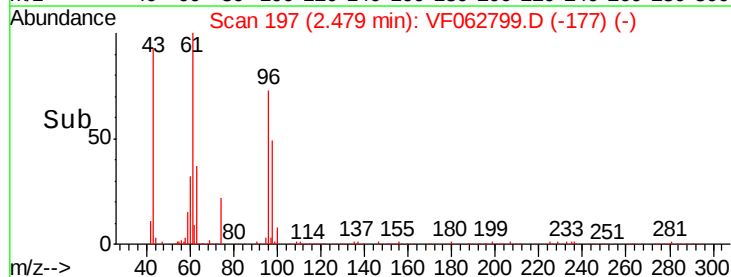
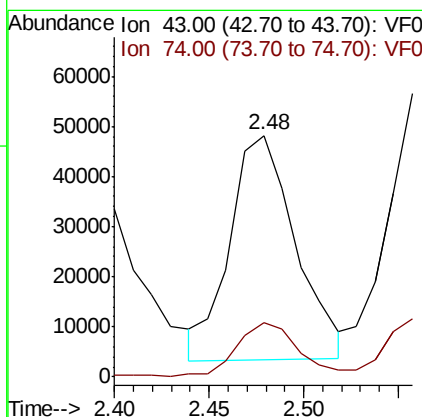
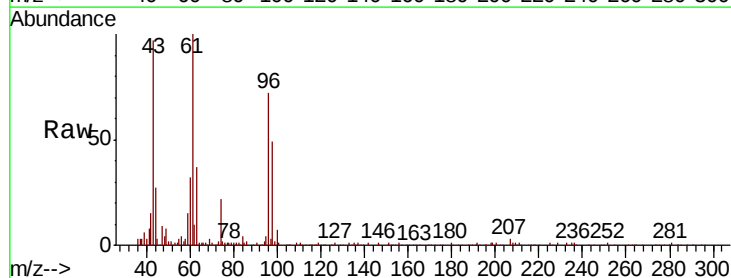
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 76 Resp: 1098020
Ion Ratio Lower Upper
76 100
78 11.4 9.4 14.2



#18
Methyl Acetate
Concen: 39.801 ug/l
RT: 2.48 min Scan# 197
Delta R.T. -0.00 min
Lab File: VF062799.D
Acq: 30 May 2019 17:28

Tgt Ion: 43 Resp: 107836
Ion Ratio Lower Upper
43 100
74 22.7 22.1 33.1

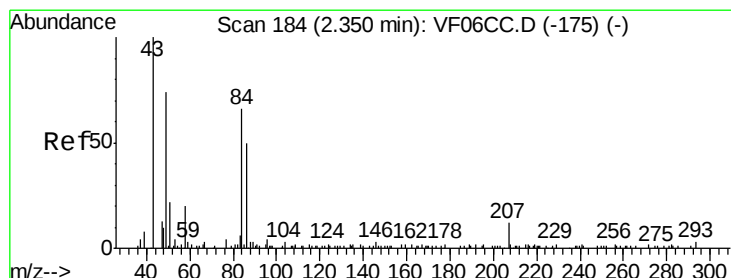
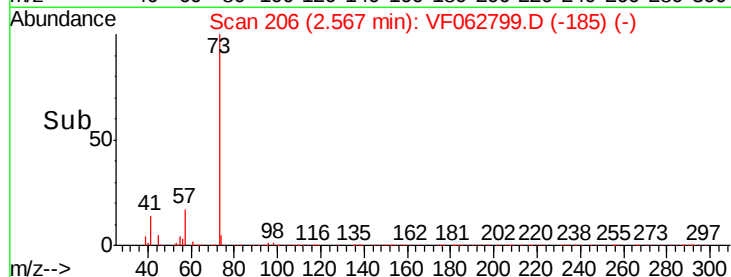
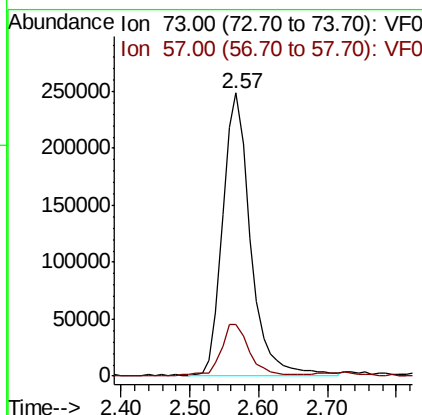
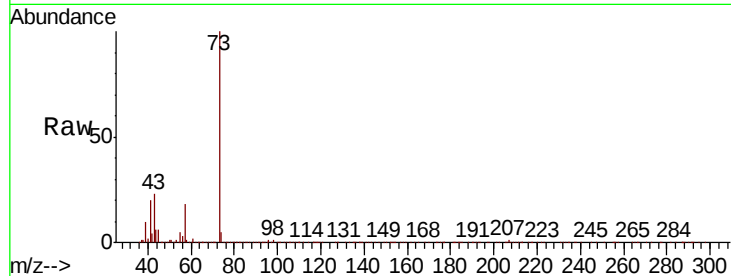




#19
Methvl tert-butvl Ether
Concen: 47.127 ug/l
RT: 2.57 min Scan# 206
Delta R.T. 0.01 min
Lab File: VF062799.D
Acq: 30 May 2019 17:28

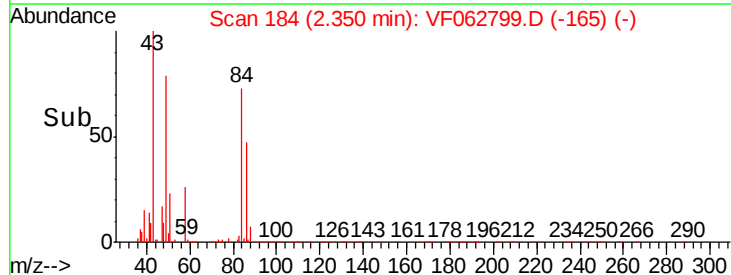
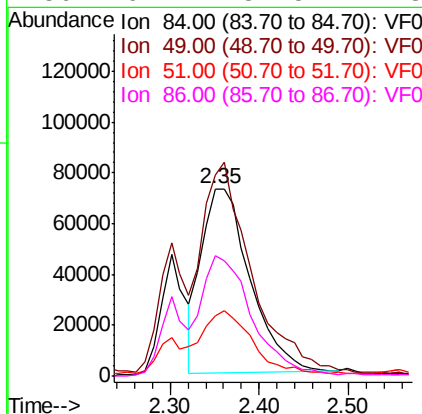
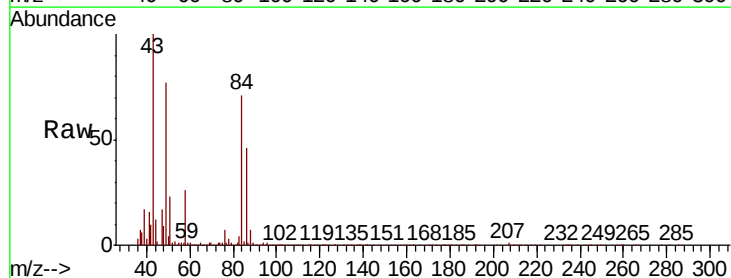
Instrument :
MSVOA_F
ClientSampled :

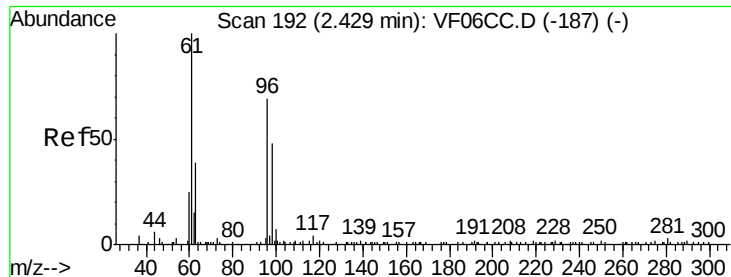
Tot Ion: 73 Resp: 695065
Ion Ratio Lower Upper
73 100
57 18.1 15.1 22.7



#20
Methylene Chloride
Concen: 34.663 ug/l
RT: 2.35 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF062799.D
Acq: 30 May 2019 17:28

Tgt Ion: 84 Resp: 276238
Ion Ratio Lower Upper
84 100
49 107.8 82.6 123.8
51 32.1 25.0 37.4
86 64.7 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 45.771 ug/l

RT: 2.44 min Scan# 193

Delta R.T. -0.00 min

Lab File: VF062799.D

Acq: 30 May 2019 17:28

Instrument :
MSVOA_F
ClientSampleId :

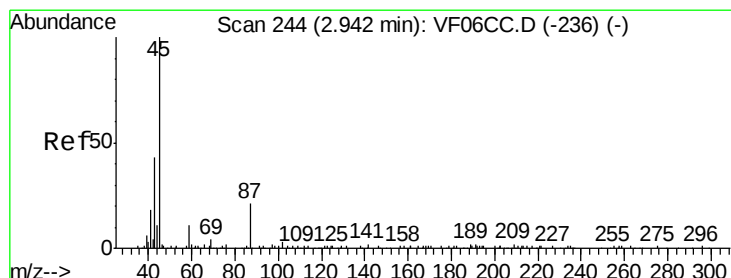
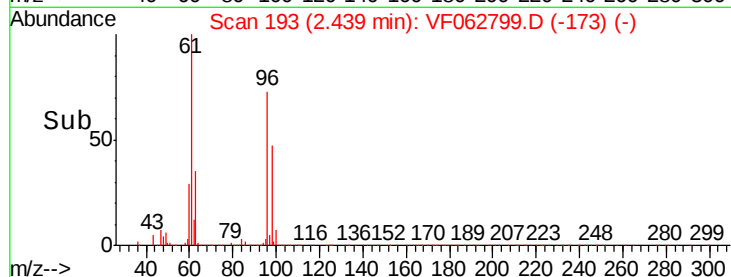
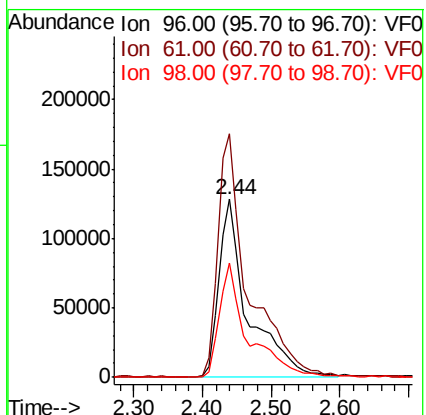
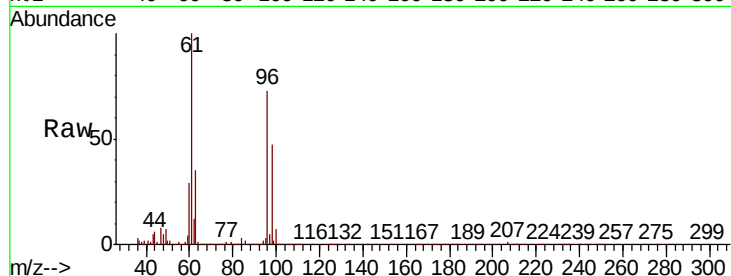
Tot Ion: 96 Resp: 373593

Ion Ratio Lower Upper

96 100

61 136.6 105.0 157.6

98 64.4 51.1 76.7



#22

Diisopropyl ether

Concen: 48.576 ug/l

RT: 2.95 min Scan# 245

Delta R.T. -0.00 min

Lab File: VF062799.D

Acq: 30 May 2019 17:28

Tgt Ion: 45 Resp: 871594

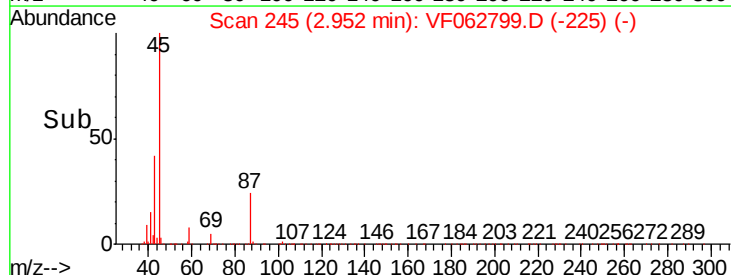
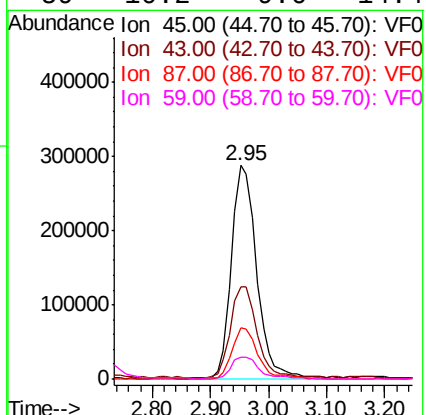
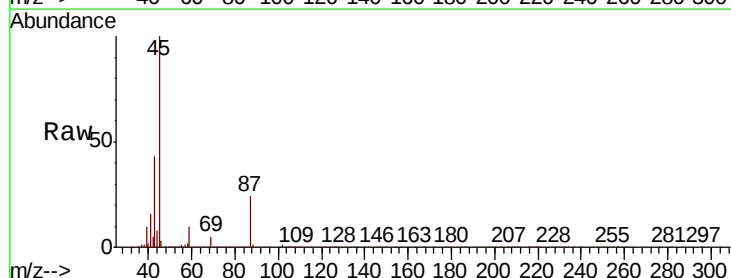
Ion Ratio Lower Upper

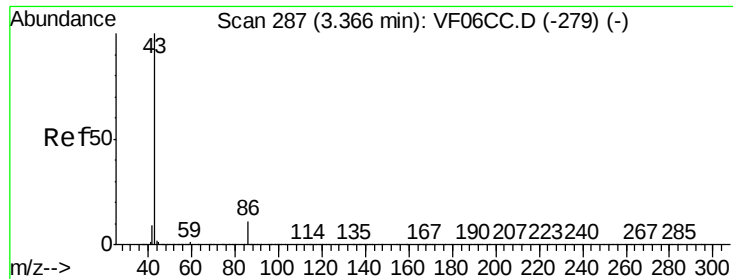
45 100

43 43.1 34.3 51.5

87 23.7 19.0 28.4

59 10.2 9.6 14.4

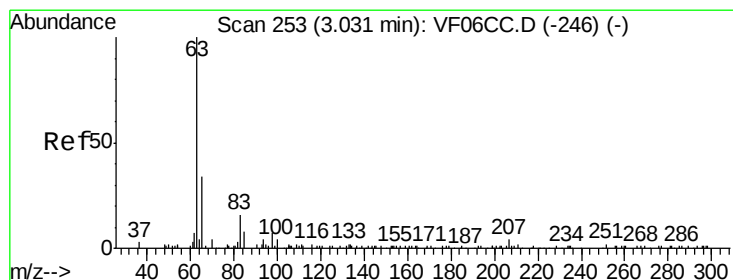
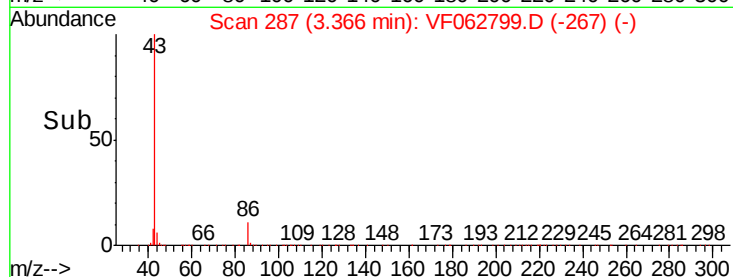
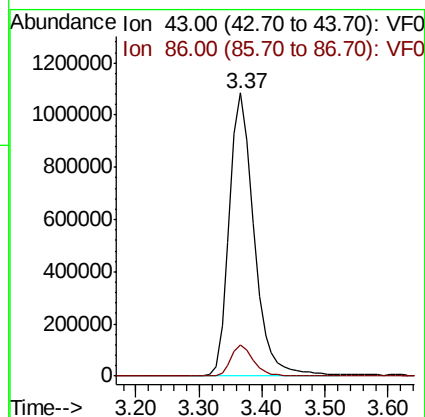
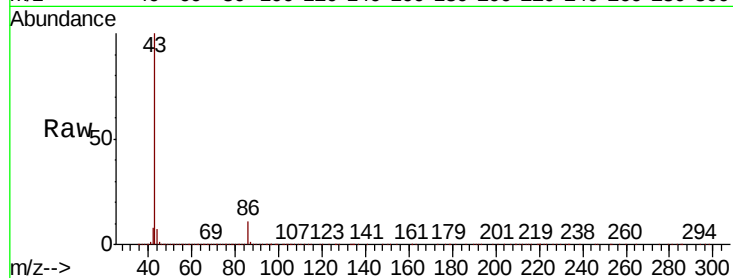




#23
 Vinyl Acetate
 Concen: 240.318 ug/l
 RT: 3.37 min Scan# 287
 Delta R.T. -0.00 min
 Lab File: VF062799.D
 Acq: 30 May 2019 17:28

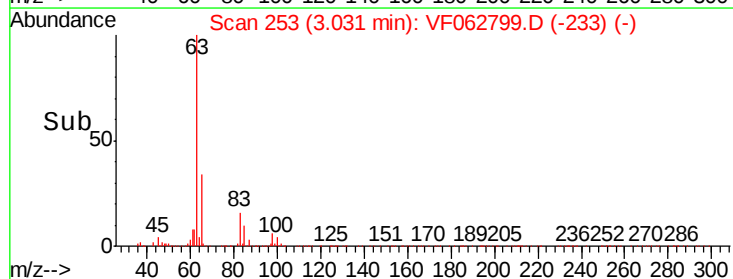
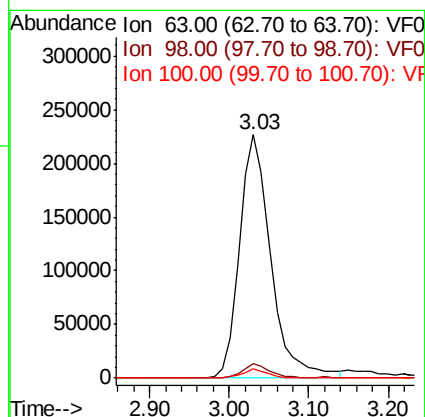
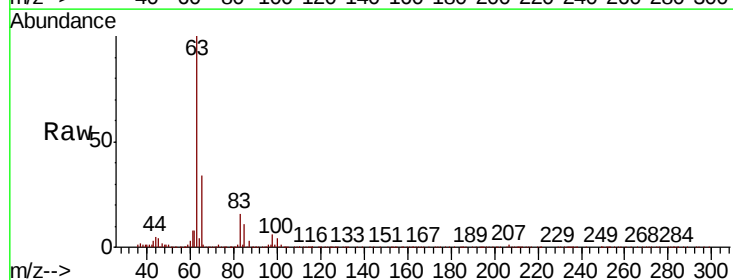
Instrument :
 MSVOA_F
 ClientSampleId :

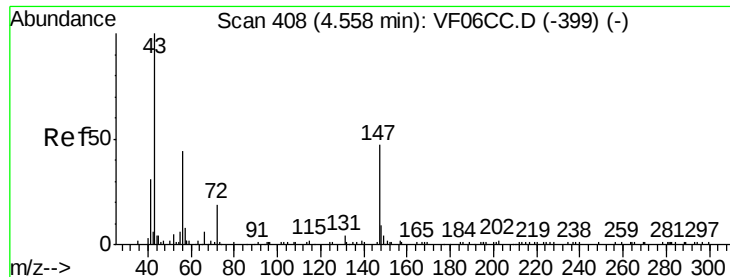
Tot Ion: 43 Resp: 2952020
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 45.928 ug/l
 RT: 3.03 min Scan# 253
 Delta R.T. -0.00 min
 Lab File: VF062799.D
 Acq: 30 May 2019 17:28

Tgt Ion: 63 Resp: 615292
 Ion Ratio Lower Upper
 63 100
 98 5.8 2.4 7.1
 100 4.0 1.5 4.5





#25

2-Butanone

Concen: 251.952 ug/l

RT: 4.55 min Scan# 407

Delta R.T. -0.00 min

Lab File: VF062799.D

Acq: 30 May 2019 17:28

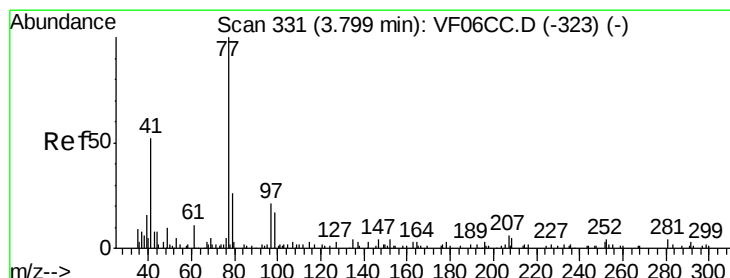
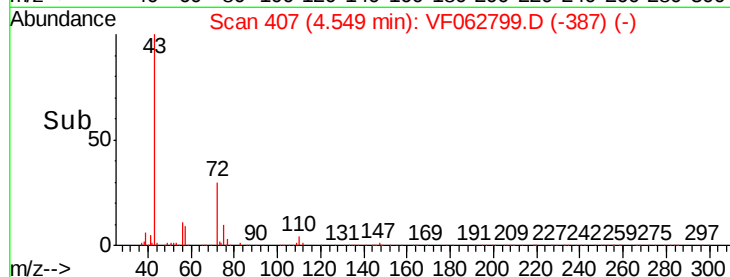
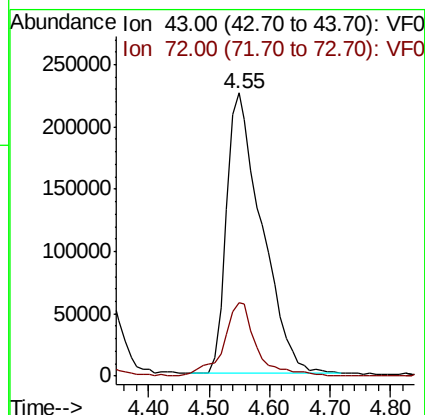
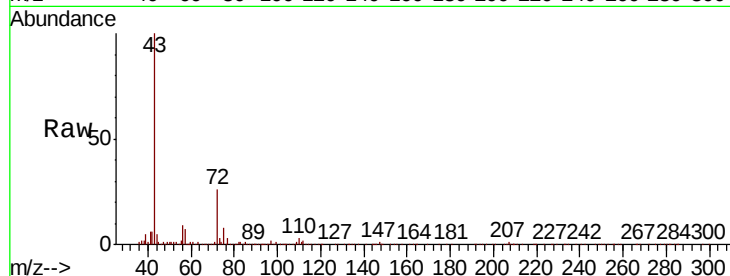
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 909704

Ion Ratio Lower Upper

43 100

72 25.9 21.4 32.0



#26

2,2-Dichloropropane

Concen: 46.827 ug/l

RT: 3.80 min Scan# 331

Delta R.T. -0.00 min

Lab File: VF062799.D

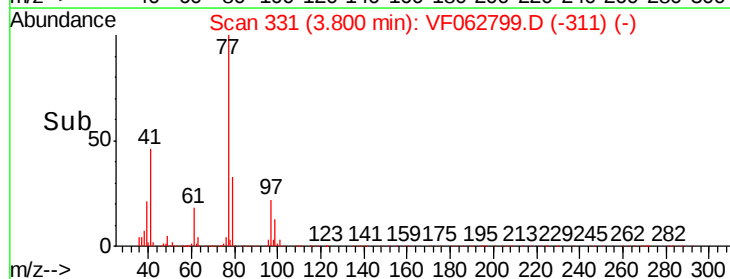
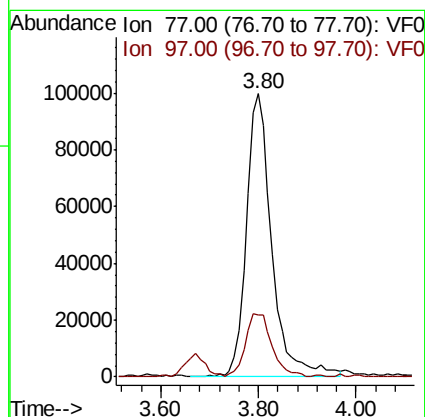
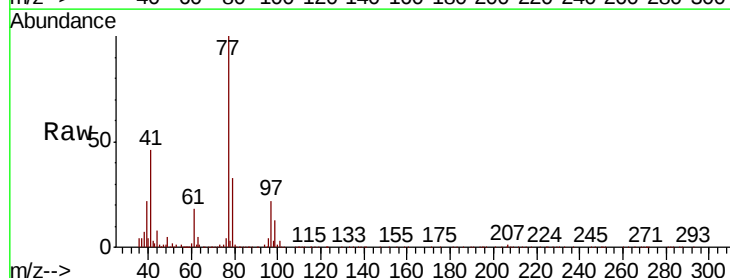
Acq: 30 May 2019 17:28

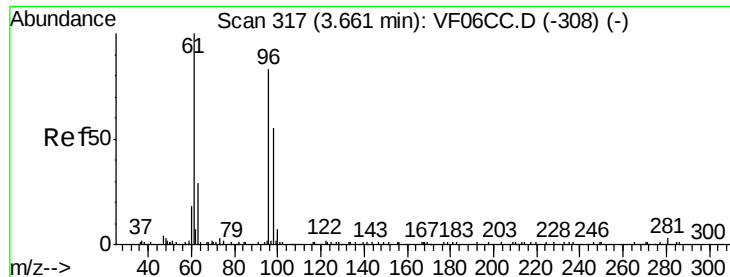
Tgt Ion: 77 Resp: 356205

Ion Ratio Lower Upper

77 100

97 21.8 12.4 37.4



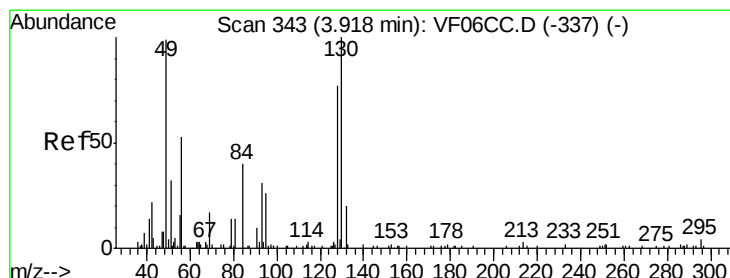
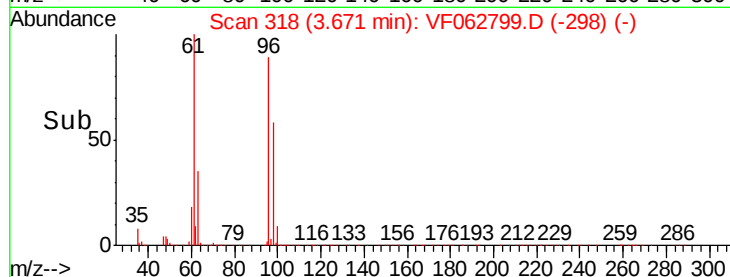
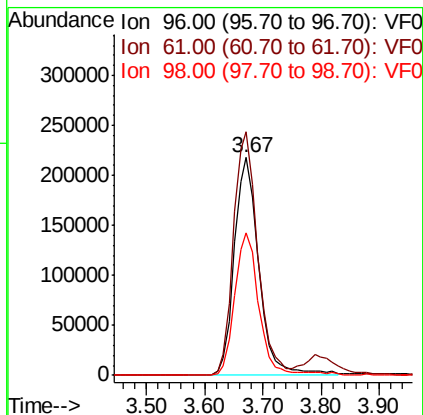
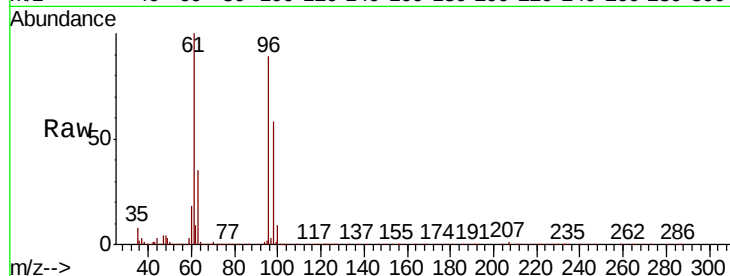


#27

cis-1,2-Dichloroethene
 Concen: 46.141 ug/l
 RT: 3.67 min Scan# 318
 Delta R.T. -0.00 min
 Lab File: VF062799.D
 Acq: 30 May 2019 17:28

Instrument :
 MSVOA_F
 ClientSampleId :

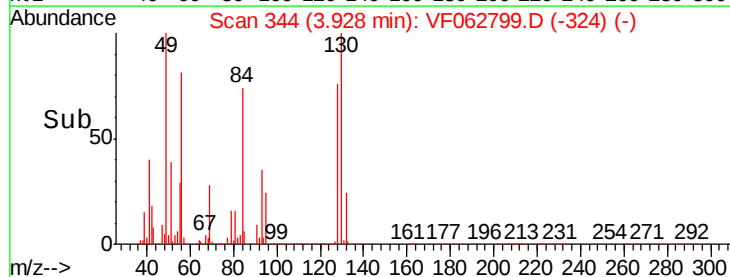
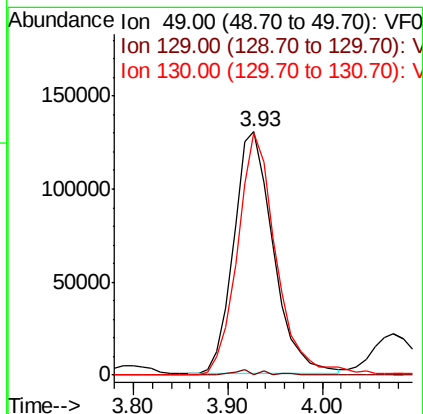
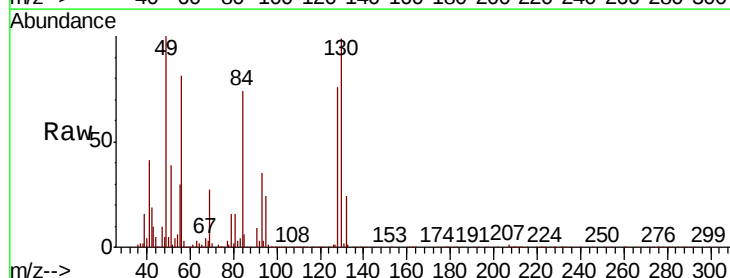
Tot Ion	Ratio	Lower	Upper
96	100		
61	111.8	0.0	213.8
98	65.2	0.0	127.0

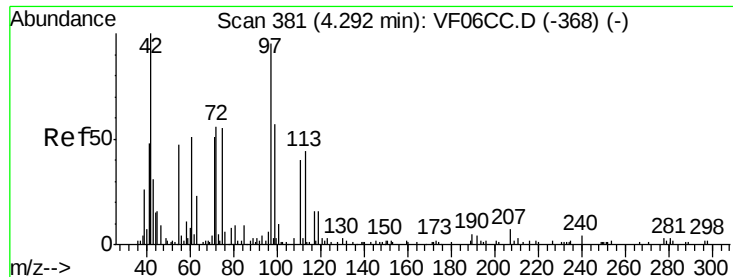


#28

Bromochloromethane
 Concen: 51.904 ug/l
 RT: 3.93 min Scan# 344
 Delta R.T. -0.00 min
 Lab File: VF062799.D
 Acq: 30 May 2019 17:28

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.4
130	99.4	79.2	118.8

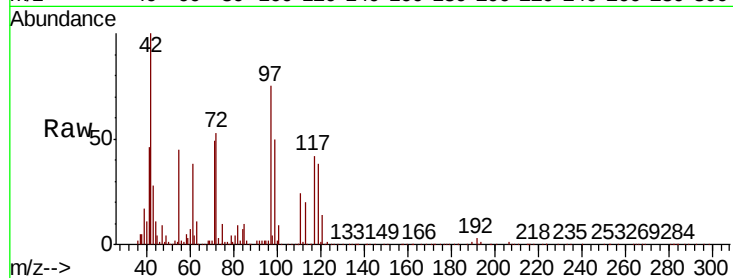




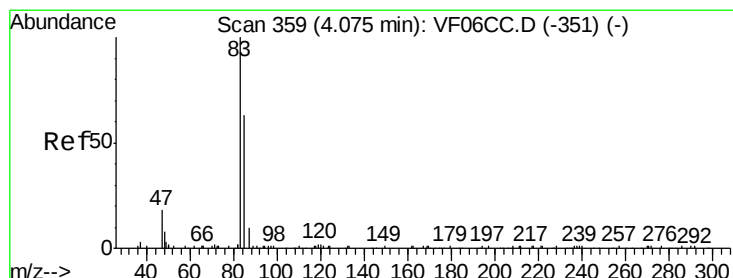
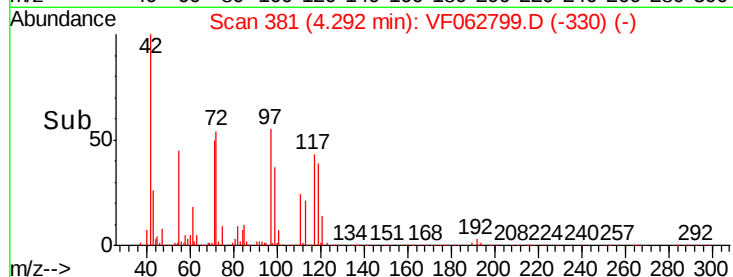
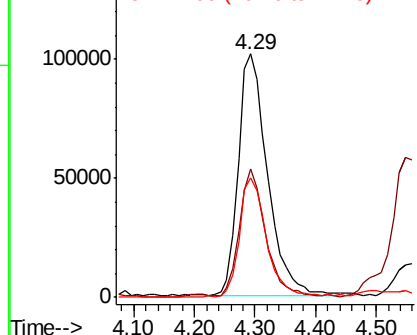
#29
Tetrahydrofuran
Concen: 248.511 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.00 min
Lab File: VF062799.D
Acq: 30 May 2019 17:28

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 42 Resp: 343184
Ion Ratio Lower Upper
42 100
72 47.5 39.0 58.6
71 45.8 36.9 55.3

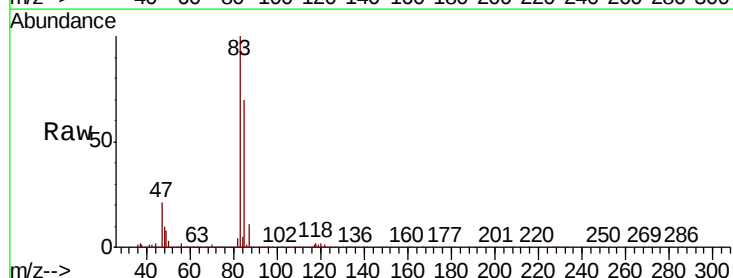


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

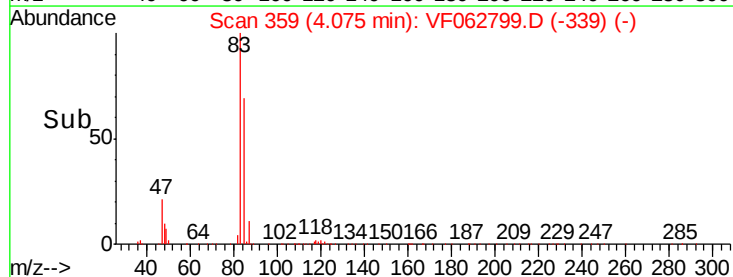
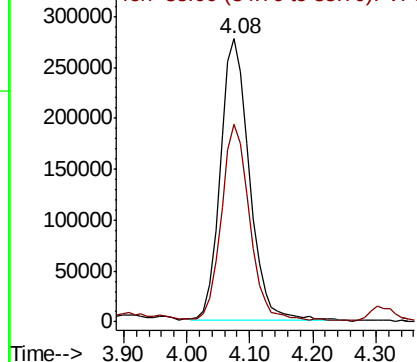


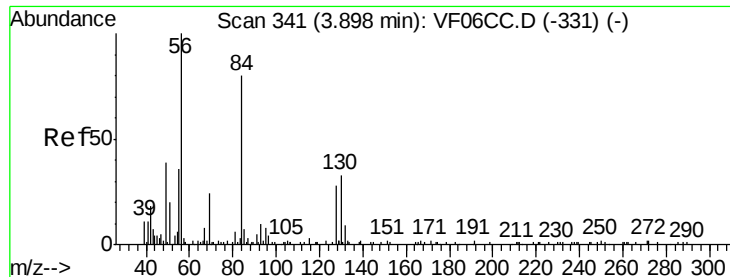
#30
Chloroform
Concen: 46.814 ug/l
RT: 4.08 min Scan# 359
Delta R.T. -0.00 min
Lab File: VF062799.D
Acq: 30 May 2019 17:28

Tgt Ion: 83 Resp: 883894
Ion Ratio Lower Upper
83 100
85 69.7 55.0 82.6



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0

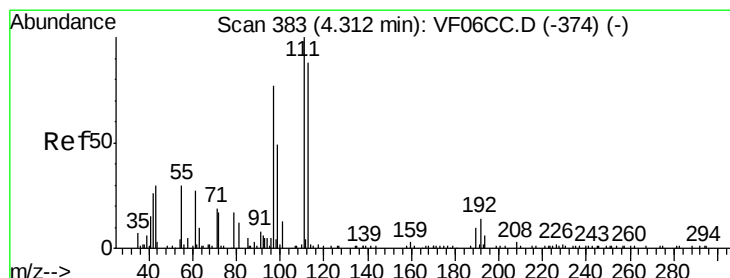
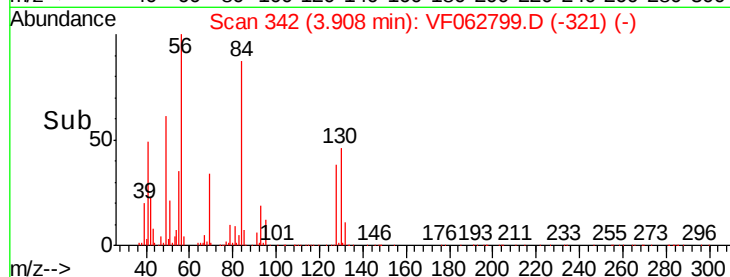
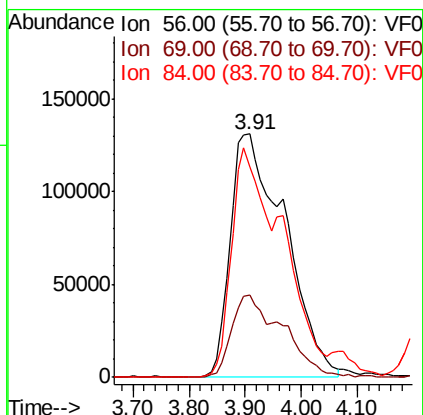
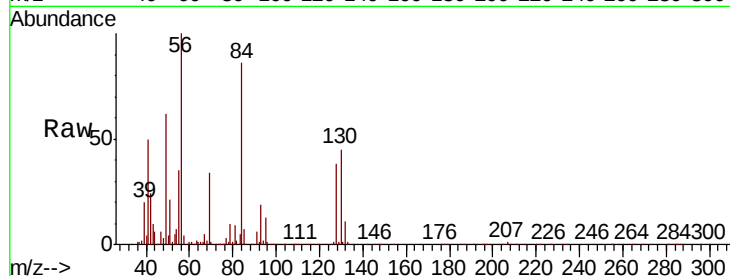




#31
Cyclohexane
Concen: 48.556 ug/l
RT: 3.91 min Scan# 342
Delta R.T. 0.01 min
Lab File: VF062799.D
Acq: 30 May 2019 17:28

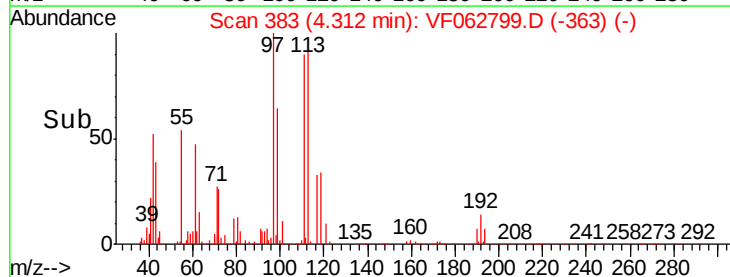
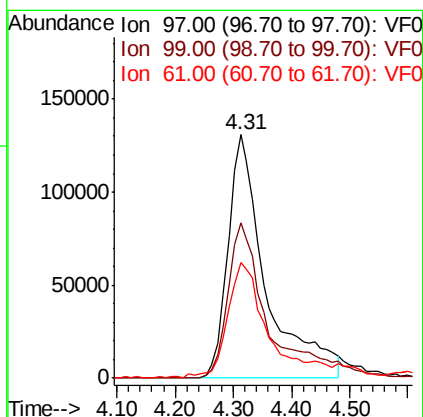
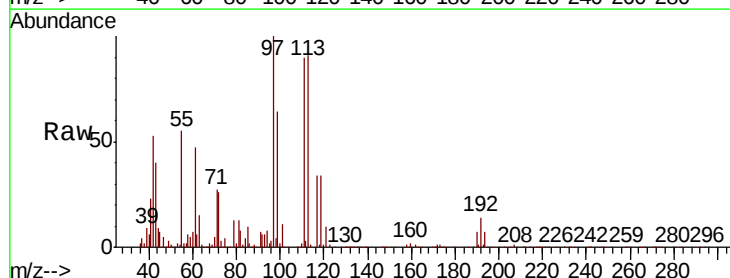
Instrument :
MSVOA_F
ClientSampleId :

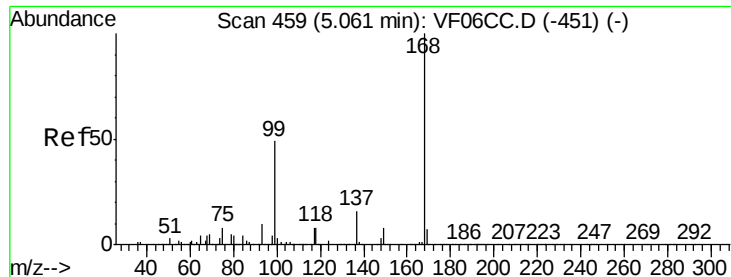
Tot Ion: 56 Resp: 880675
Ion Ratio Lower Upper
56 100
69 33.9 26.7 40.1
84 86.5 74.3 111.5



#32
1,1,1-Trichloroethane
Concen: 53.952 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.00 min
Lab File: VF062799.D
Acq: 30 May 2019 17:28

Tgt Ion: 97 Resp: 593097
Ion Ratio Lower Upper
97 100
99 63.7 51.7 77.5
61 47.2 38.9 58.3





#33

1,2-Dichloroethane-d4

Concen: 50.594 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.00 min

Lab File: VF062799.D

Acq: 30 May 2019 17:28

Instrument :

MSVOA_F

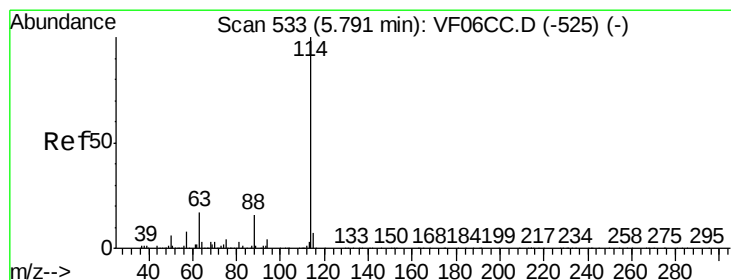
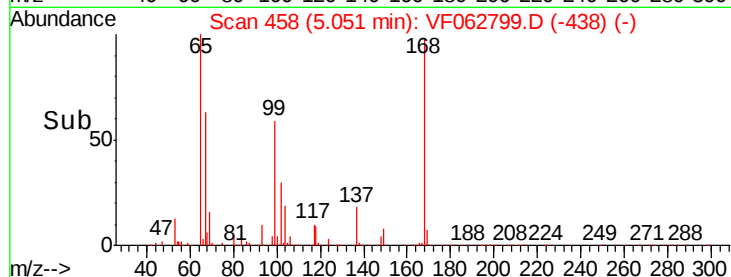
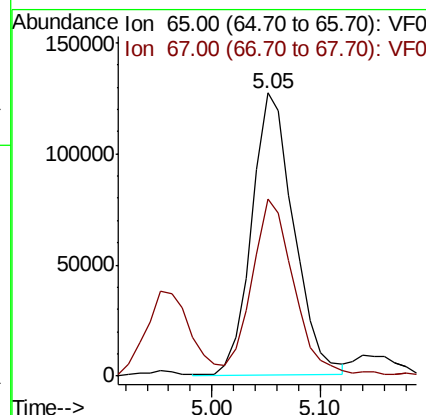
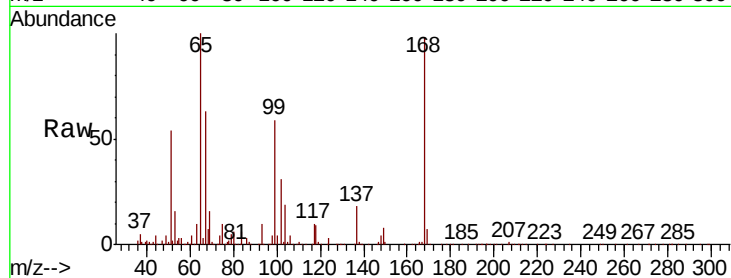
ClientSampled :

Tot Ion: 65 Resp: 342732

Ion Ratio Lower Upper

65 100

67 62.5 0.0 121.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.80 min Scan# 534

Delta R.T. -0.00 min

Lab File: VF062799.D

Acq: 30 May 2019 17:28

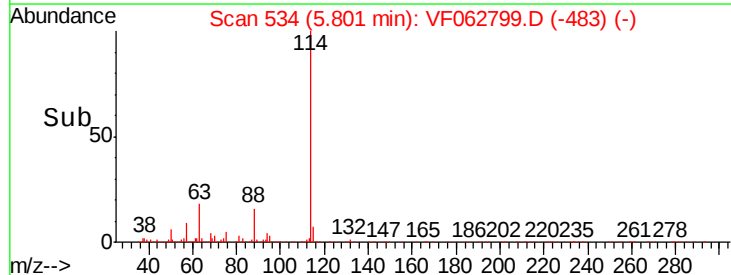
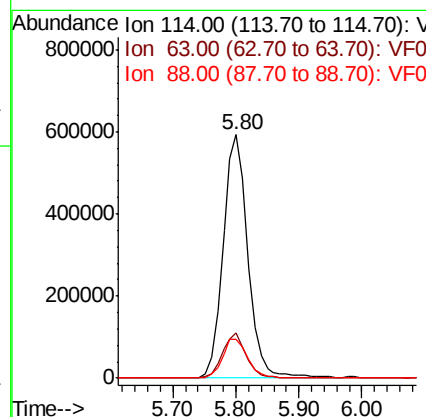
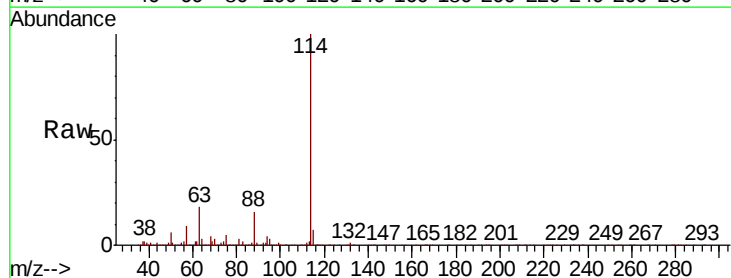
Tgt Ion:114 Resp: 1622833

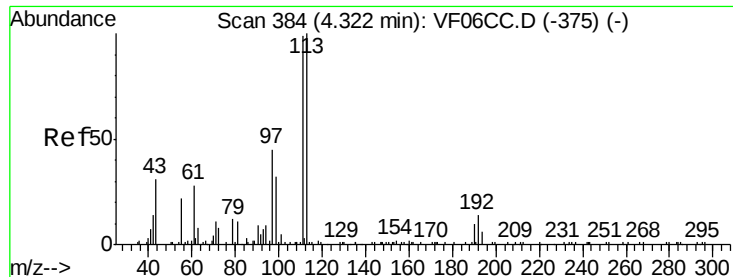
Ion Ratio Lower Upper

114 100

63 18.4 0.0 34.2

88 15.9 0.0 31.2

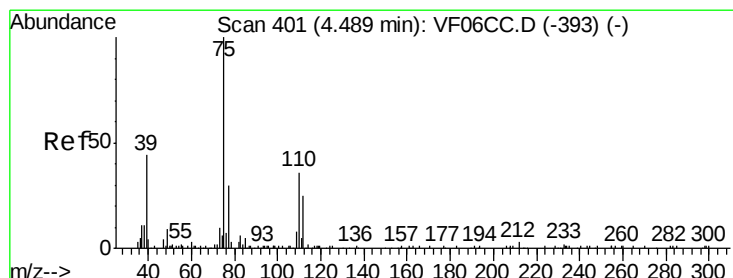
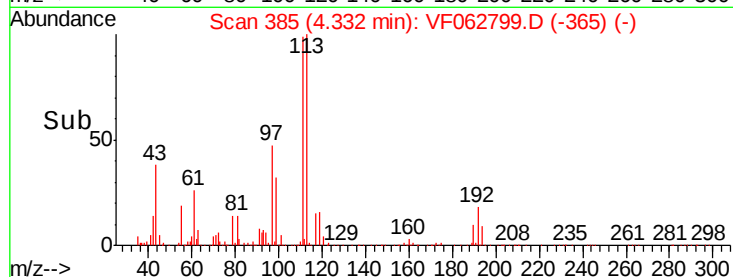
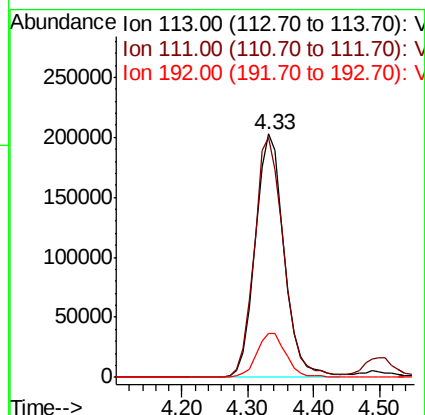
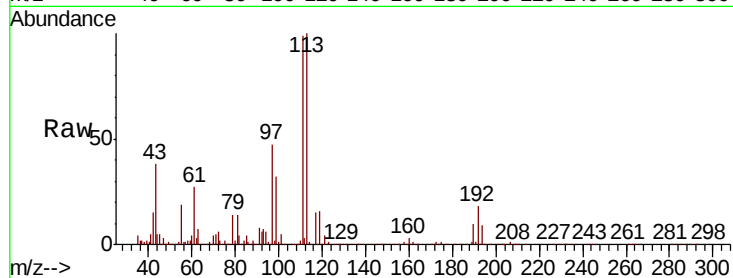




#35
 Dibromofluoromethane
 Concen: 51.056 ug/l
 RT: 4.33 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VF062799.D
 Acq: 30 May 2019 17:28

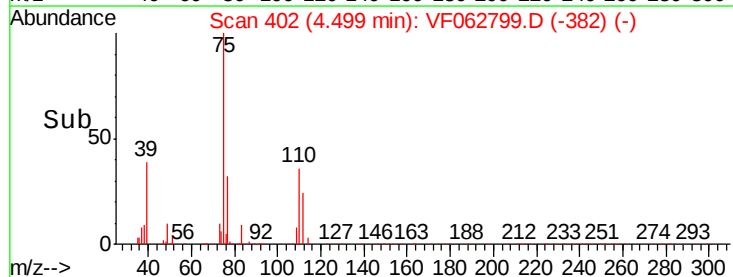
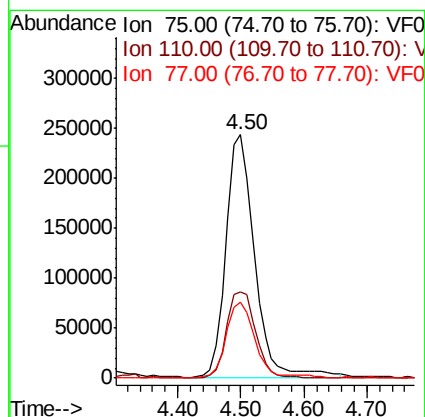
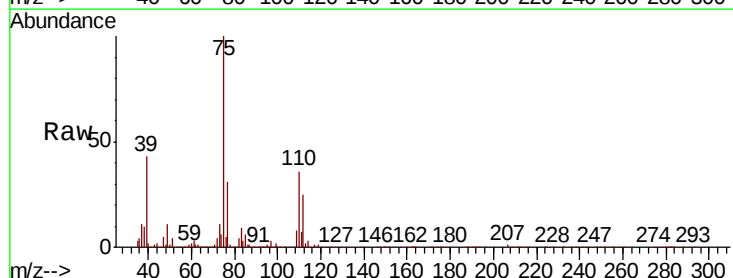
Instrument :
 MSVOA_F
 ClientSampleId :

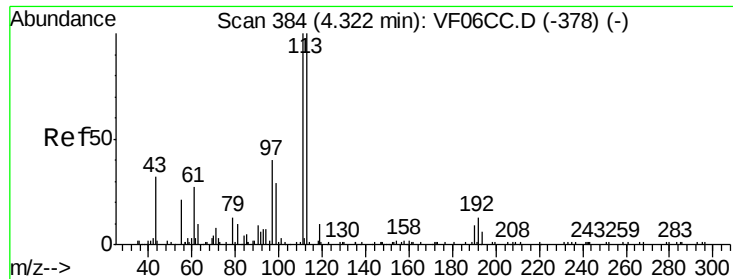
Tot Ion:113 Resp: 626101
 Ion Ratio Lower Upper
 113 100
 111 98.7 81.9 122.9
 192 18.1 15.1 22.7



#36
 1,1-Dichloropropene
 Concen: 50.942 ug/l
 RT: 4.50 min Scan# 402
 Delta R.T. -0.00 min
 Lab File: VF062799.D
 Acq: 30 May 2019 17:28

Tgt Ion: 75 Resp: 761051
 Ion Ratio Lower Upper
 75 100
 110 35.5 19.4 58.1
 77 31.1 25.4 38.2

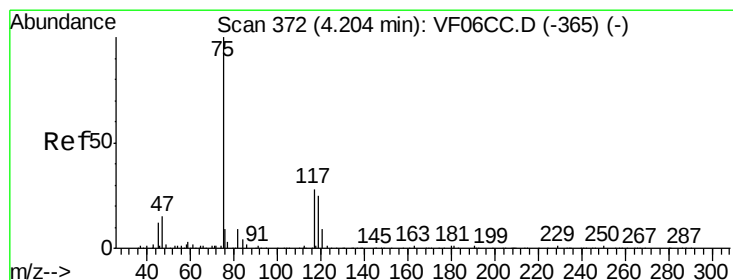
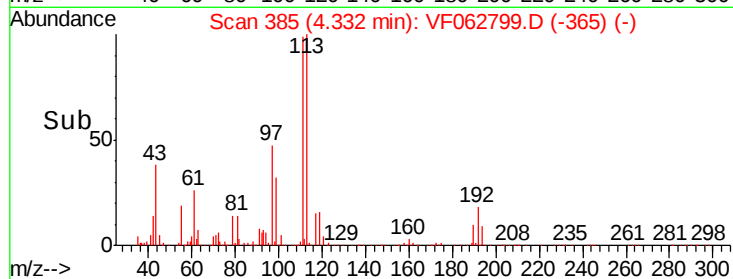
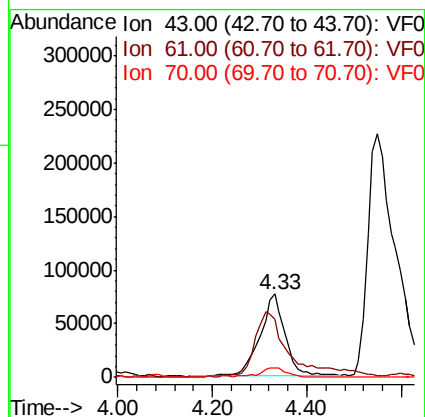
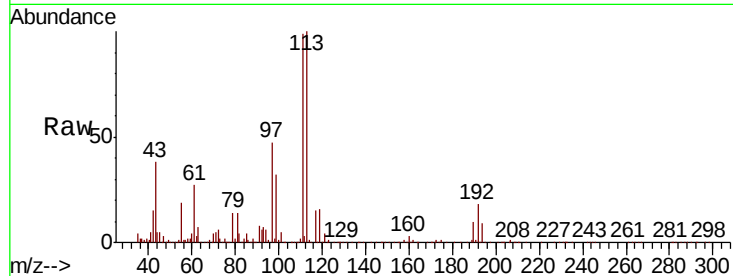




#37
Ethyl Acetate
Concen: 50.080 ug/l
RT: 4.33 min Scan# 385
Delta R.T. -0.00 min
Lab File: VF062799.D
Acq: 30 May 2019 17:28

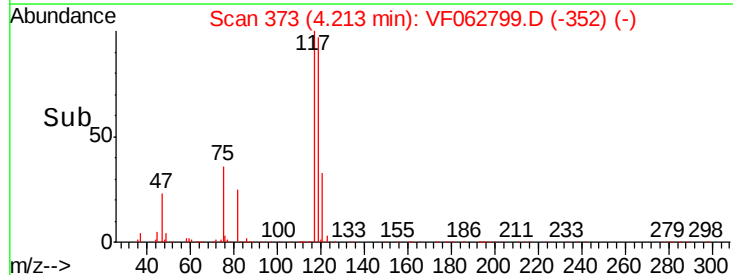
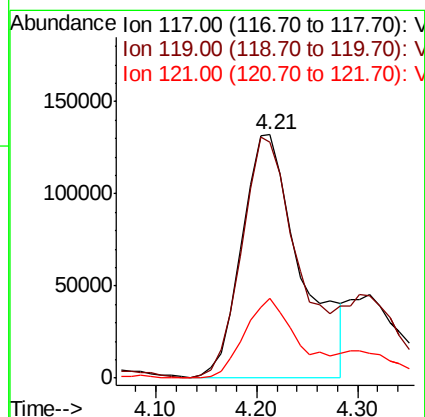
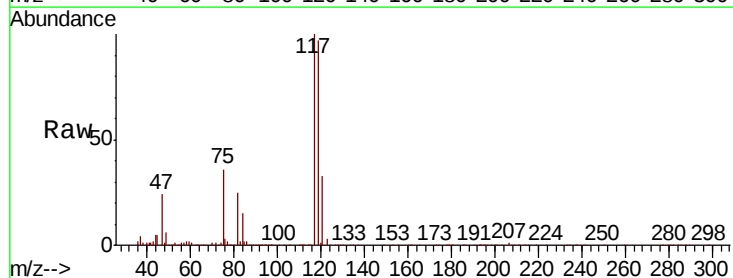
Instrument :
MSVOA_F
ClientSampleId :

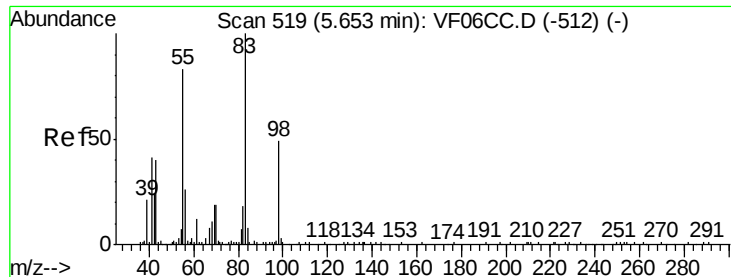
Tot Ion: 43 Resp: 286000
Ion Ratio Lower Upper
43 100
61 69.4 59.1 88.7
70 11.5 10.1 15.1



#38
Carbon Tetrachloride
Concen: 53.029 ug/l
RT: 4.21 min Scan# 373
Delta R.T. 0.01 min
Lab File: VF062799.D
Acq: 30 May 2019 17:28

Tgt Ion: 117 Resp: 535423
Ion Ratio Lower Upper
117 100
119 97.1 78.2 117.2
121 32.7 28.2 42.2

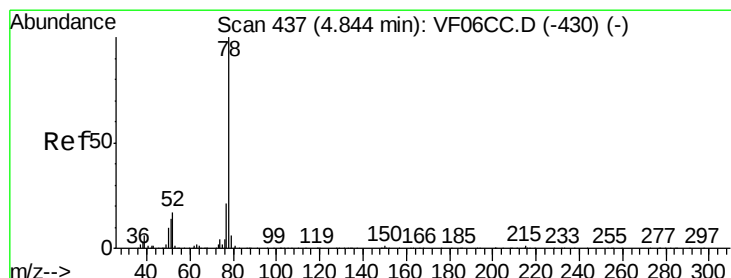
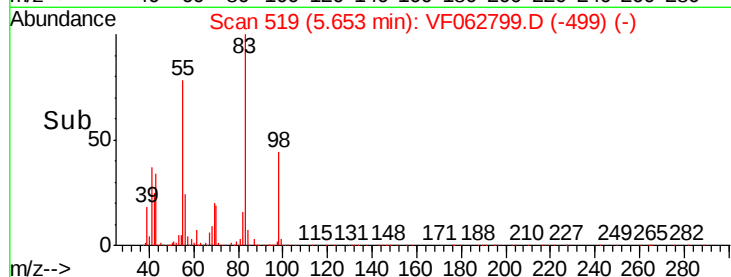
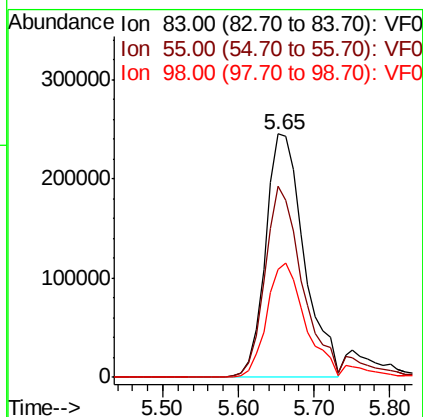
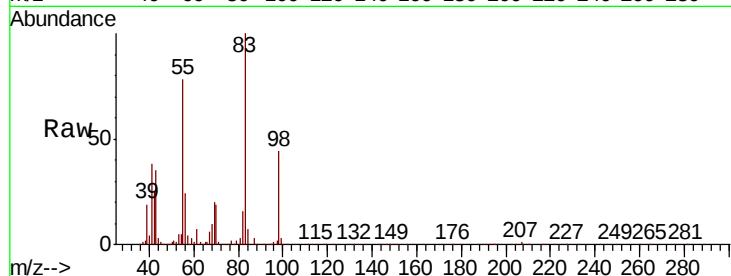




#39
Methvlcvclohexane
Concen: 46.570 ug/l
RT: 5.65 min Scan# 519
Delta R.T. -0.00 min
Lab File: VF062799.D
Acq: 30 May 2019 17:28

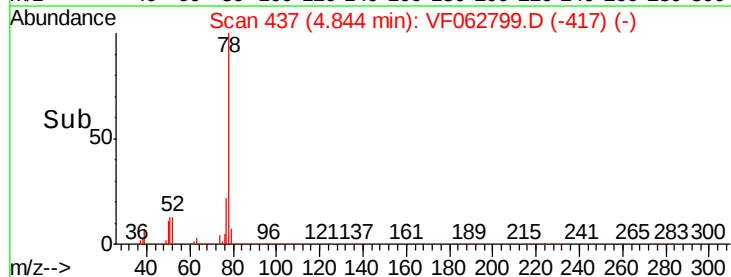
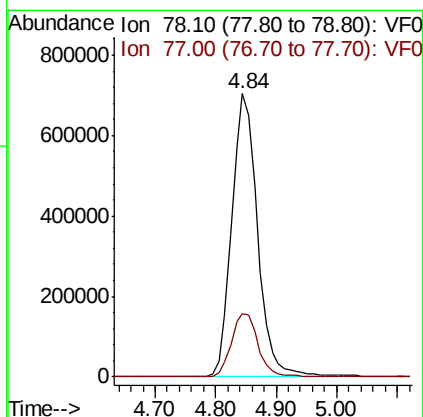
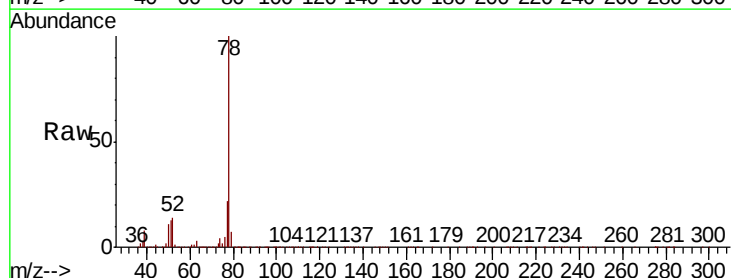
Instrument :
MSVOA_F
ClientSampleId :

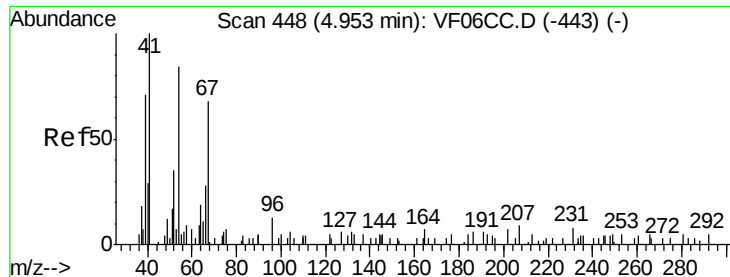
Tot Ion: 83 Resp: 865921
Ion Ratio Lower Upper
83 100
55 78.3 61.6 92.4
98 44.2 37.4 56.2



#40
Benzene
Concen: 47.947 ug/l
RT: 4.84 min Scan# 437
Delta R.T. -0.00 min
Lab File: VF062799.D
Acq: 30 May 2019 17:28

Tgt Ion: 78 Resp: 2084724
Ion Ratio Lower Upper
78 100
77 22.1 18.9 28.3

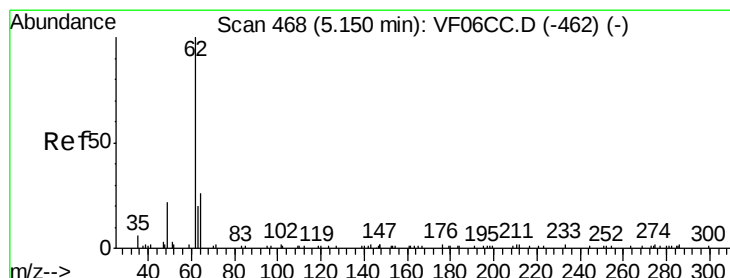
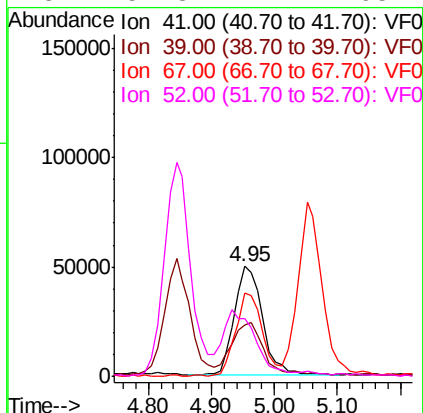
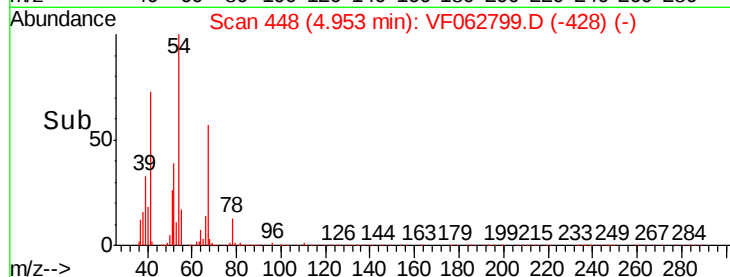
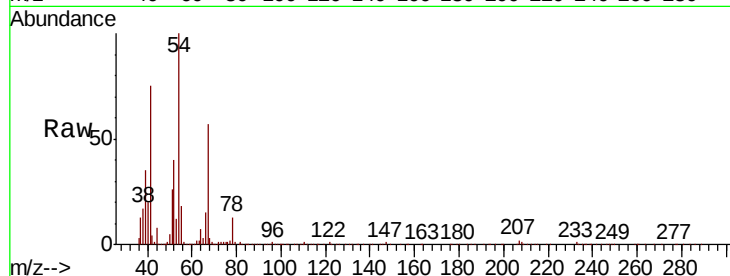




#41
Methacrylonitrile
Concen: 47.675 ug/l
RT: 4.95 min Scan# 448
Delta R.T. -0.00 min
Lab File: VF062799.D
Acq: 30 May 2019 17:28

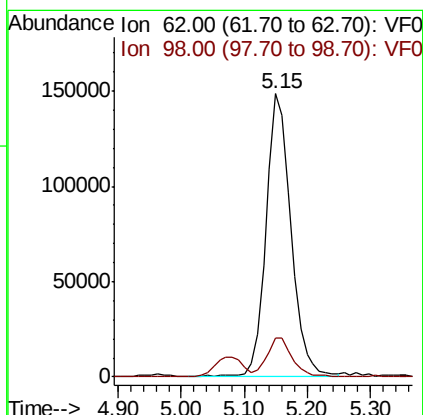
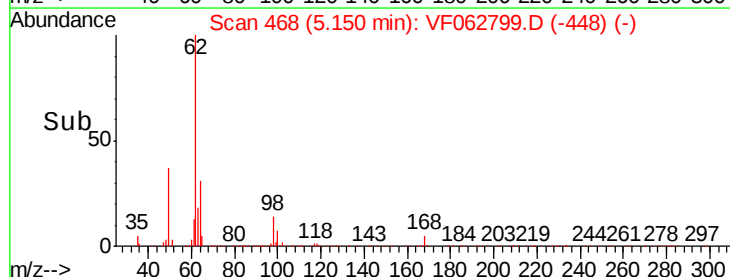
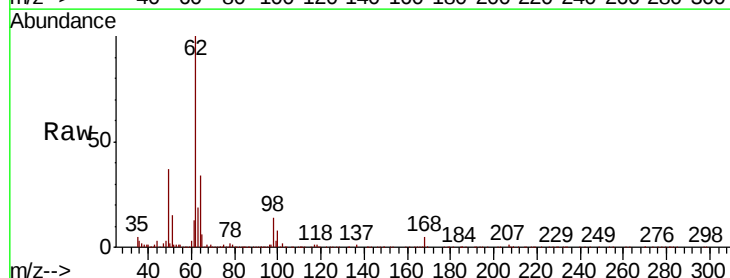
Instrument :
MSVOA_F
ClientSampled :

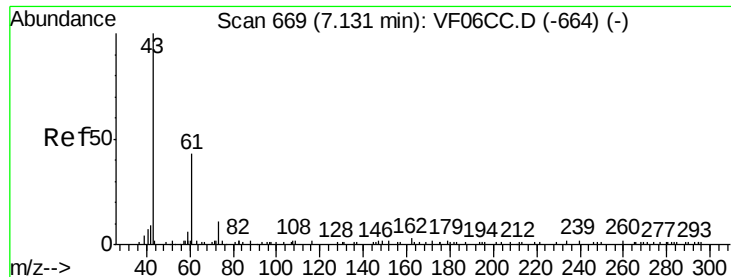
Tot Ion:	41	Resp:	151358
Ion	Ratio	Lower	Upper
41	100		
39	46.8	42.0	63.0
67	75.9	61.4	92.0
52	52.8	42.1	63.1



#42
1,2-Dichloroethane
Concen: 49.482 ug/l
RT: 5.15 min Scan# 468
Delta R.T. -0.00 min
Lab File: VF062799.D
Acq: 30 May 2019 17:28

Tgt Ion:	62	Resp:	409191
Ion	Ratio	Lower	Upper
62	100		
98	13.7	0.0	24.0





#43

Isopropyl Acetate

Concen: 50.516 ug/l

RT: 7.13 min Scan# 669

Delta R.T. -0.00 min

Lab File: VF062799.D

Acq: 30 May 2019 17:28

Instrument :
MSVOA_F
ClientSampleId :

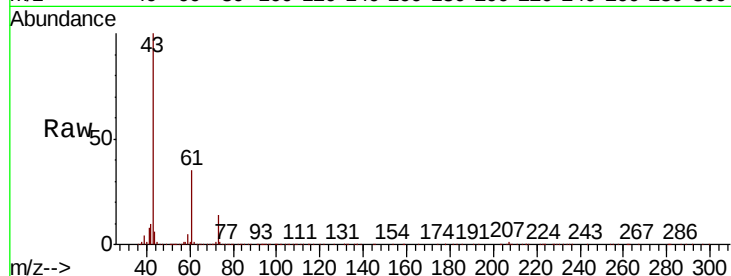
Tot Ion: 43 Resp: 381098

Ion Ratio Lower Upper

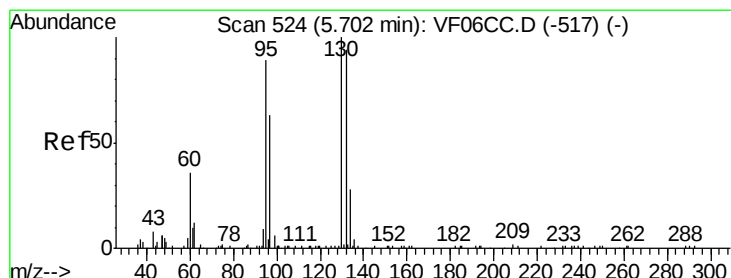
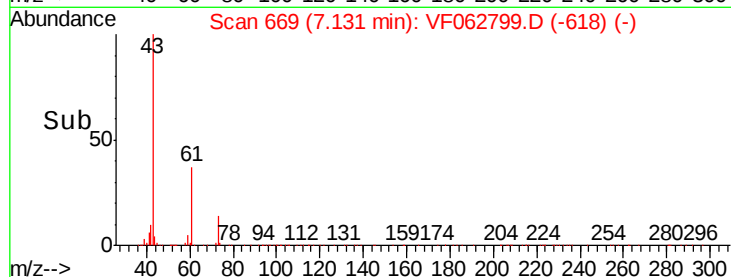
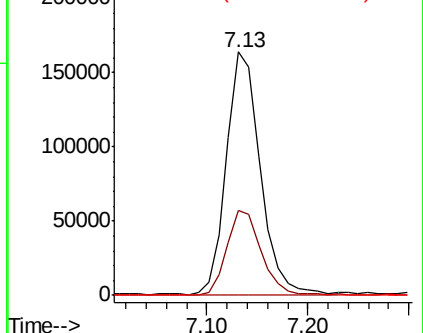
43 100

61 34.8 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: 44.999 ug/l

RT: 5.70 min Scan# 524

Delta R.T. -0.00 min

Lab File: VF062799.D

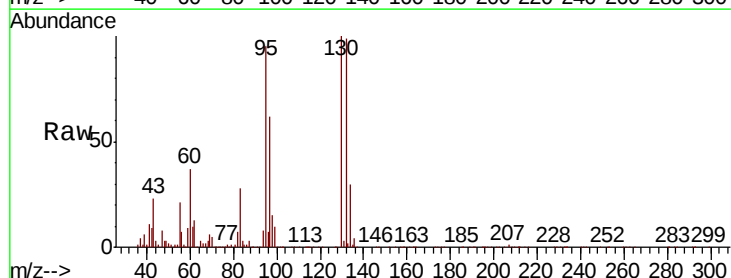
Acq: 30 May 2019 17:28

Tgt Ion: 130 Resp: 552189

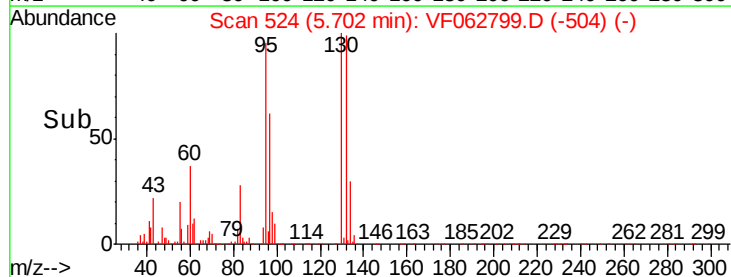
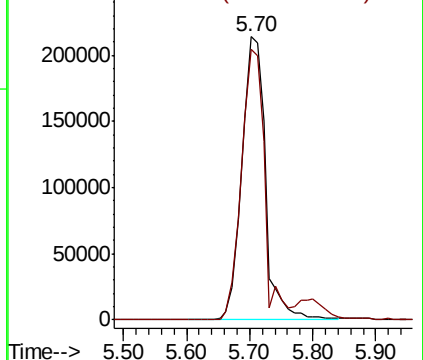
Ion Ratio Lower Upper

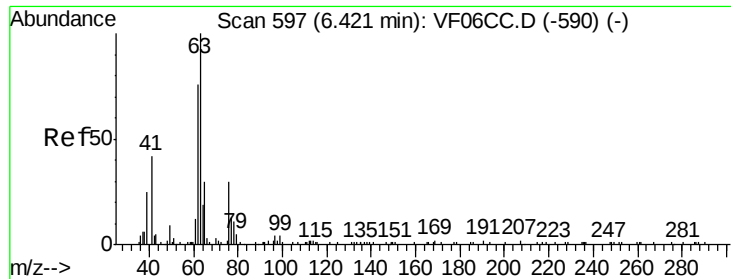
130 100

95 95.4 0.0 188.2



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

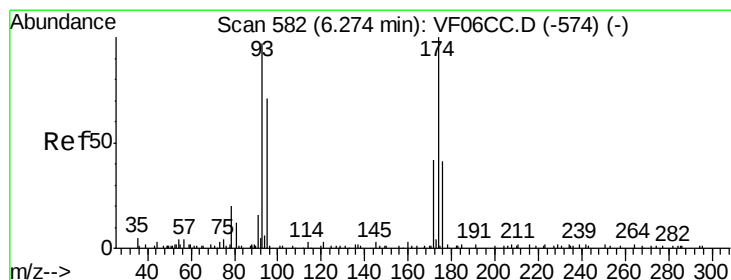
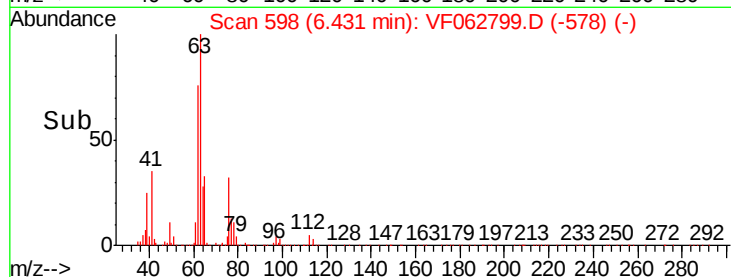
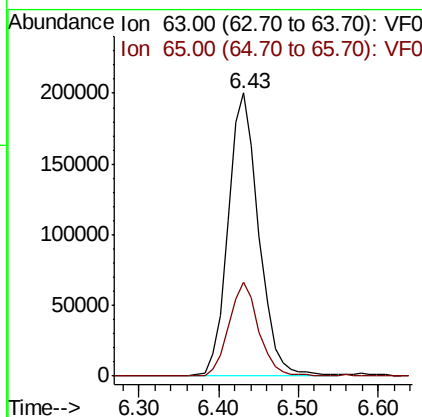
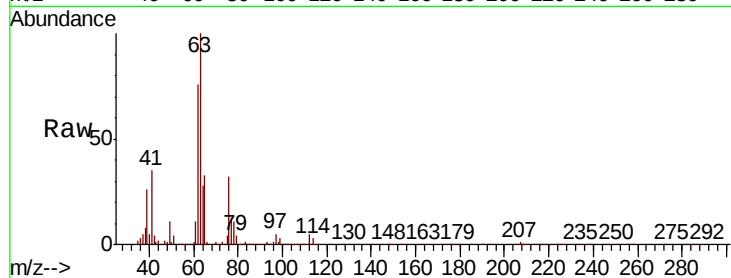




#45
 1,2-Dichloropropane
 Concen: 49.411 ug/l
 RT: 6.43 min Scan# 598
 Delta R.T. -0.00 min
 Lab File: VF062799.D
 Acq: 30 May 2019 17:28

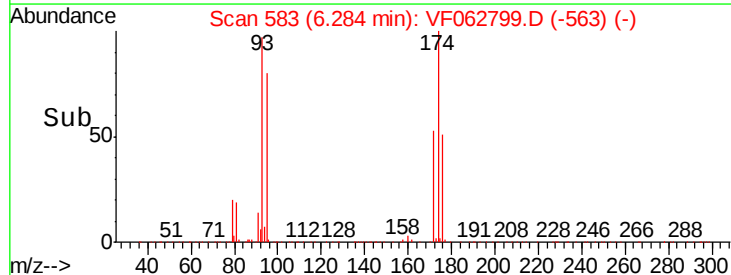
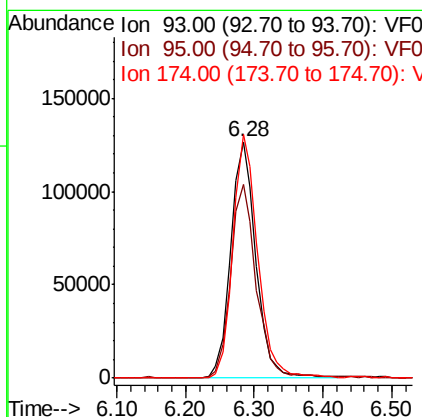
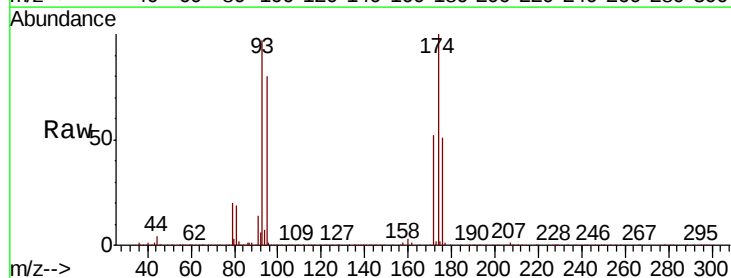
Instrument :
 MSVOA_F
 ClientSampleId :

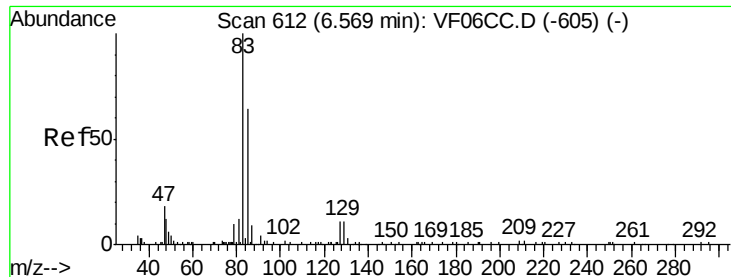
Tot Ion: 63 Resp: 539129
 Ion Ratio Lower Upper
 63 100
 65 33.3 24.2 36.2



#46
 Dibromomethane
 Concen: 50.258 ug/l
 RT: 6.28 min Scan# 583
 Delta R.T. -0.00 min
 Lab File: VF062799.D
 Acq: 30 May 2019 17:28

Tgt Ion: 93 Resp: 320161
 Ion Ratio Lower Upper
 93 100
 95 82.1 67.9 101.9
 174 104.8 85.0 127.4





#47

Bromodichloromethane

Concen: 50.848 ug/l

RT: 6.58 min Scan# 613

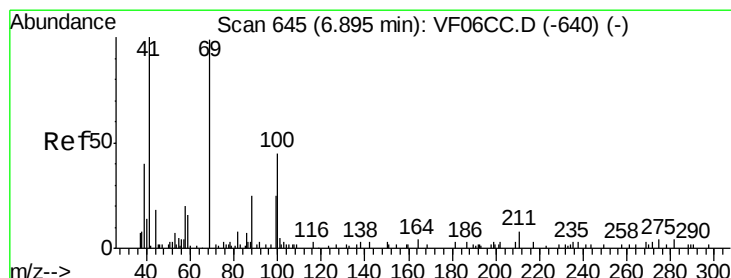
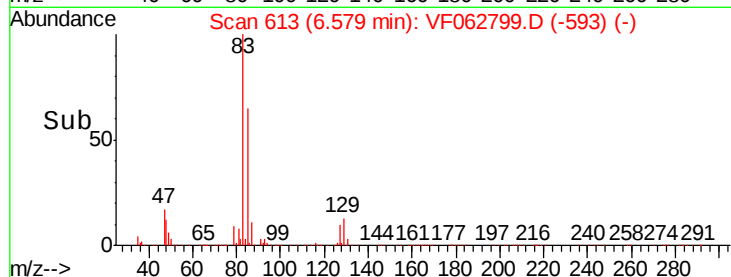
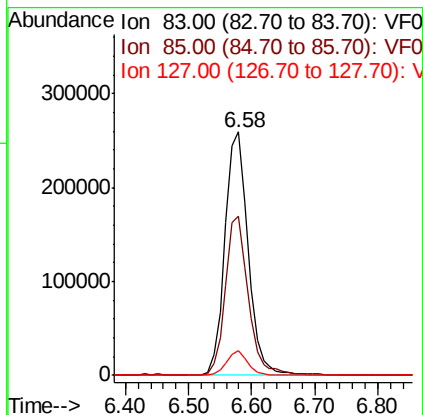
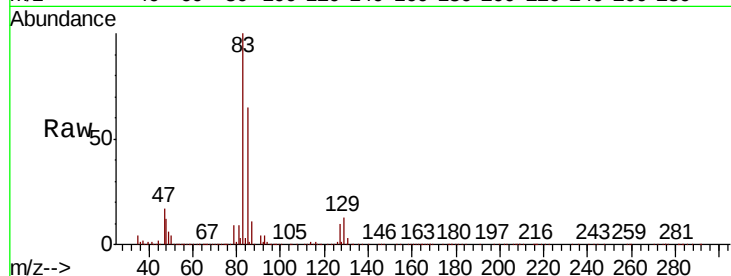
Delta R.T. -0.00 min

Lab File: VF062799.D

Acq: 30 May 2019 17:28

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	83	Resp:	659687
Ion	Ratio	Lower	Upper
83	100		
85	65.2	54.2	81.4
127	10.2	7.0	10.4



#48

Methyl methacrylate

Concen: 50.454 ug/l

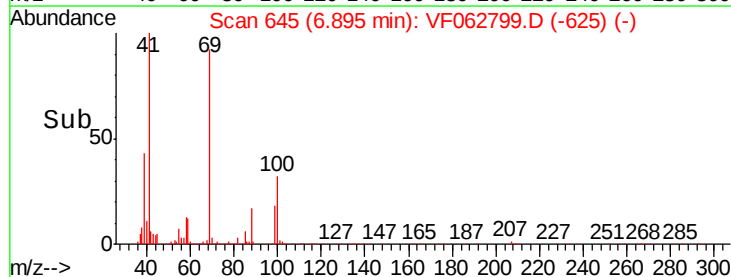
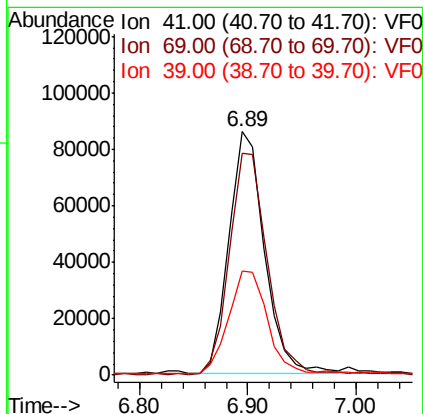
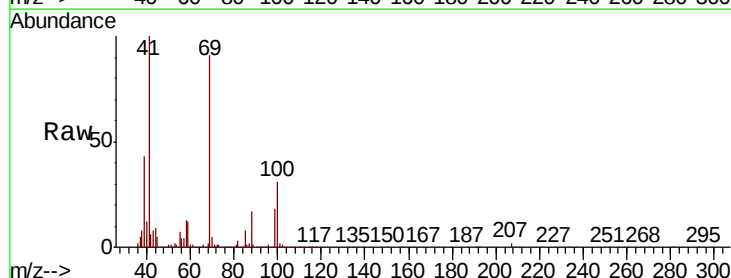
RT: 6.89 min Scan# 645

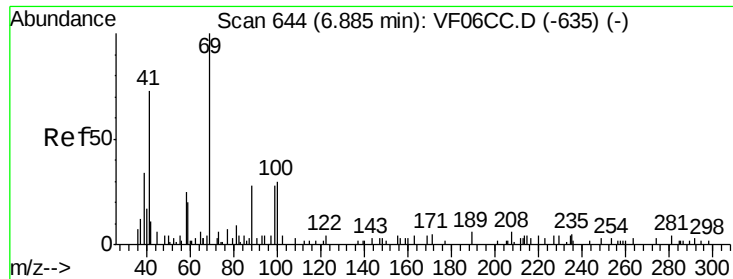
Delta R.T. -0.00 min

Lab File: VF062799.D

Acq: 30 May 2019 17:28

Tgt Ion:	41	Resp:	196164
Ion	Ratio	Lower	Upper
41	100		
69	91.1	79.4	119.2
39	42.8	39.8	59.6





#49

1,4-Dioxane

Concen: 1059.044 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.01 min

Lab File: VF062799.D

Acq: 30 May 2019 17:28

Instrument :
MSVOA_F
ClientSampleId :

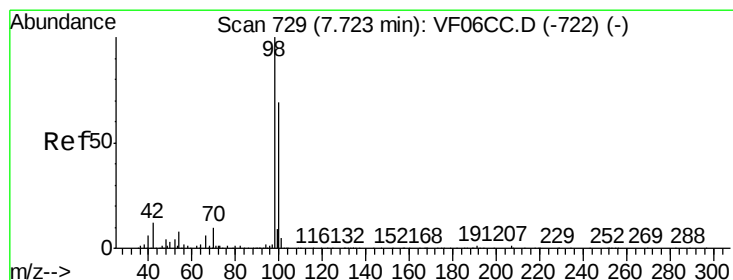
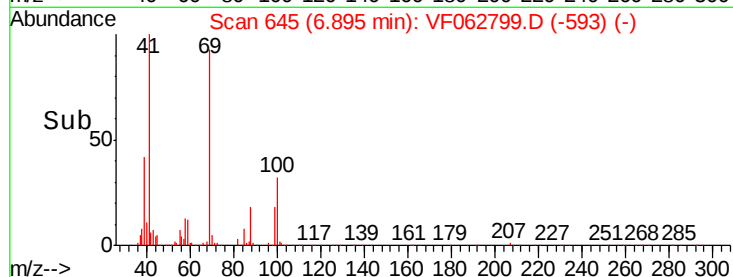
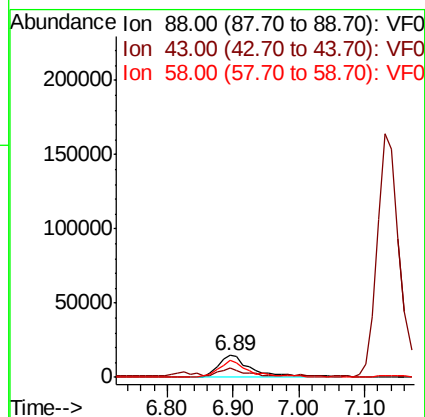
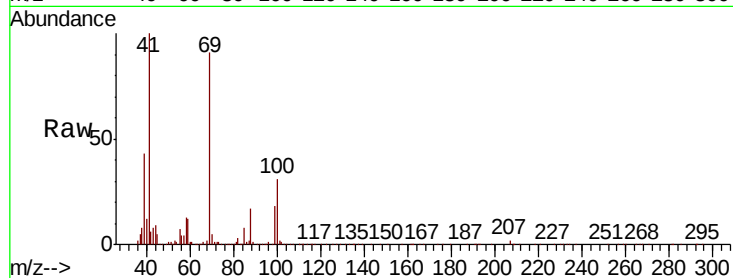
Tot Ion: 88 Resp: 54274

Ion Ratio Lower Upper

88 100

43 43.7 34.8 52.2

58 76.0 59.9 89.9



#50

Toluene-d8

Concen: 51.031 ug/l

RT: 7.73 min Scan# 730

Delta R.T. -0.00 min

Lab File: VF062799.D

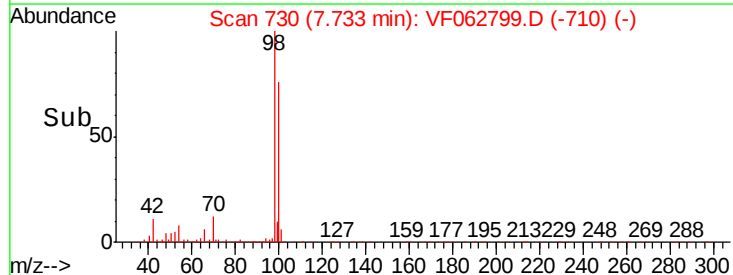
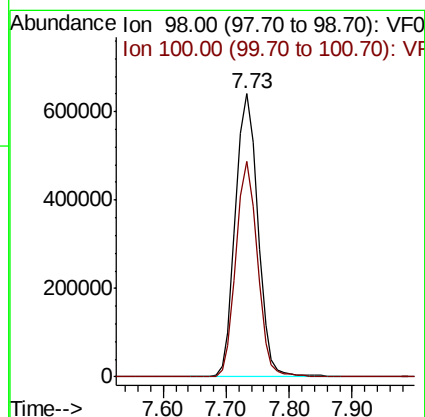
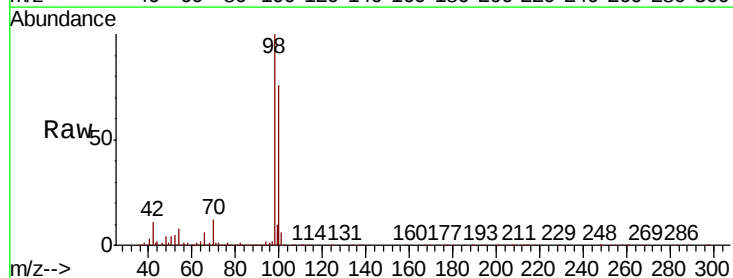
Acq: 30 May 2019 17:28

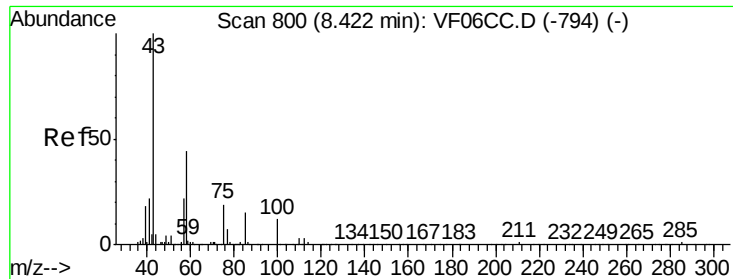
Tgt Ion: 98 Resp: 1582476

Ion Ratio Lower Upper

98 100

100 76.1 59.8 89.8





#51

4-Methyl-2-Pentanone

Concen: 248.279 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.00 min

Lab File: VF062799.D

Acq: 30 May 2019 17:28

Instrument :

MSVOA_F

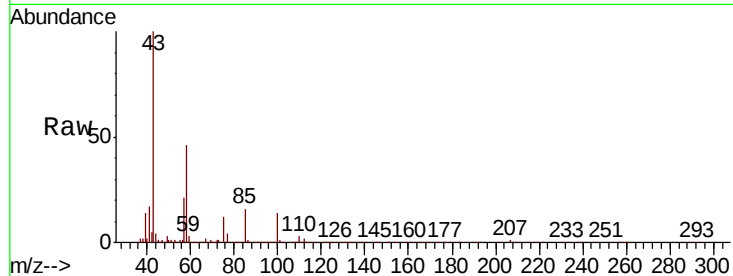
ClientSampleId :

Tot Ion: 43 Resp: 1337251

Ion Ratio Lower Upper

43 100

58 45.6 35.5 53.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.42

600000

500000

400000

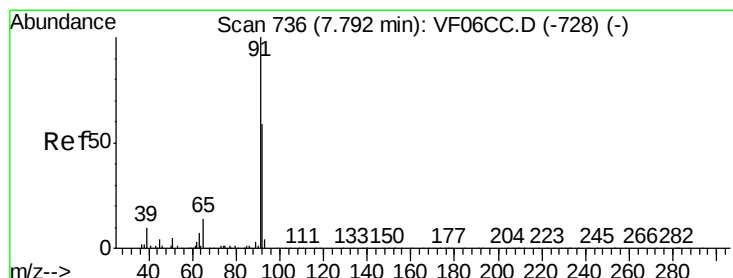
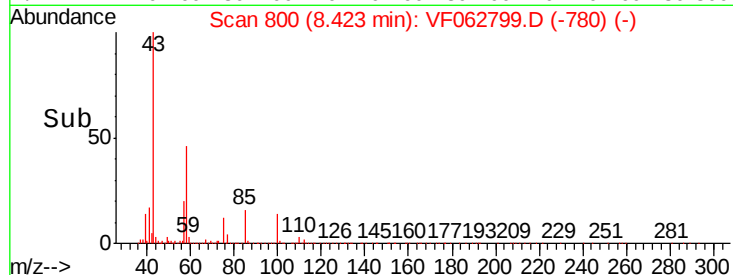
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 47.117 ug/l

RT: 7.80 min Scan# 737

Delta R.T. -0.00 min

Lab File: VF062799.D

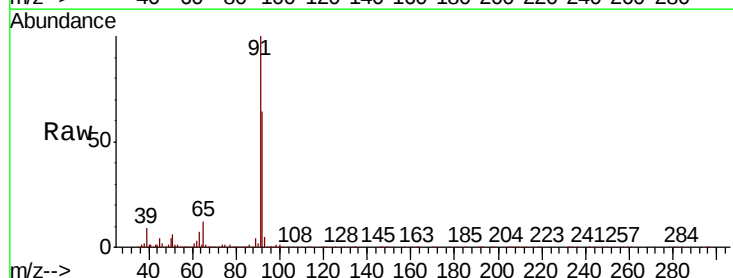
Acq: 30 May 2019 17:28

Tgt Ion: 92 Resp: 1103432

Ion Ratio Lower Upper

92 100

91 156.8 123.2 184.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

800000

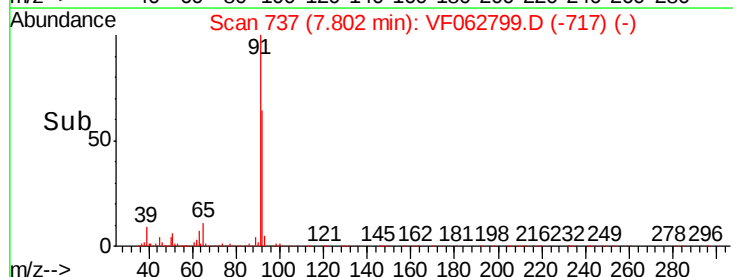
600000

400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 48.993 ug/l

RT: 8.44 min Scan# 802

Delta R.T. -0.00 min

Lab File: VF062799.D

Acq: 30 May 2019 17:28

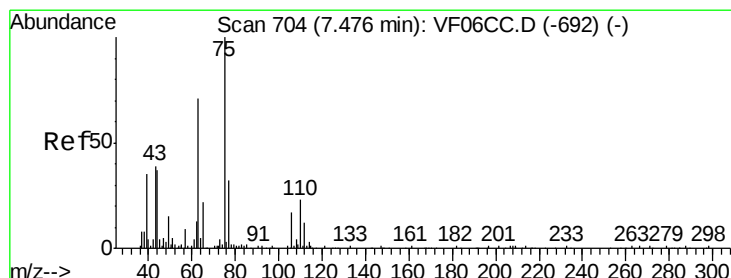
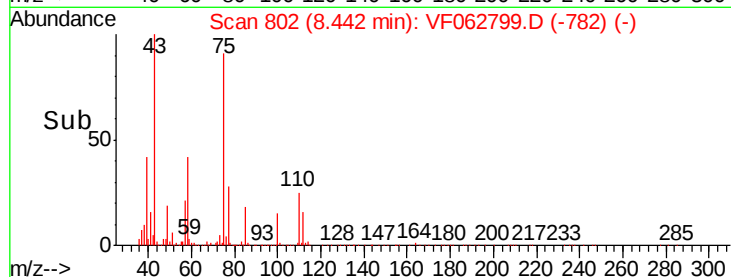
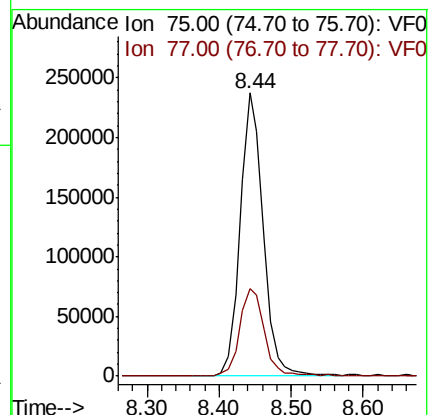
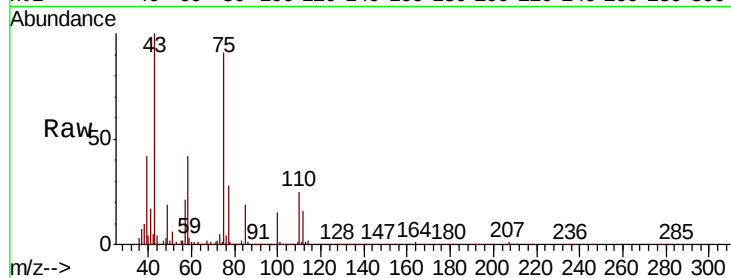
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 75 Resp: 526710

Ion Ratio Lower Upper

75 100

77 31.1 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 47.846 ug/l

RT: 7.48 min Scan# 704

Delta R.T. -0.00 min

Lab File: VF062799.D

Acq: 30 May 2019 17:28

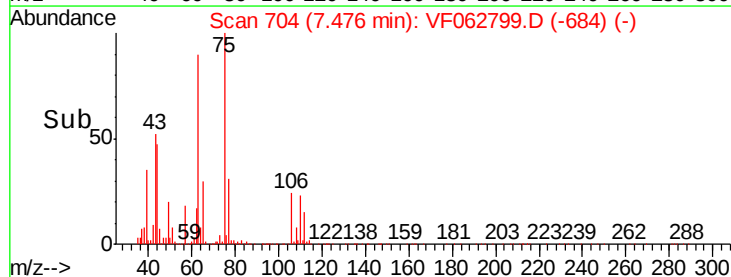
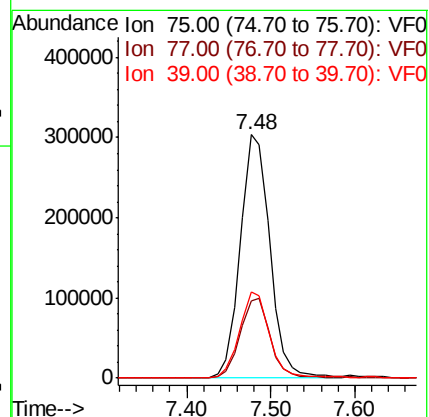
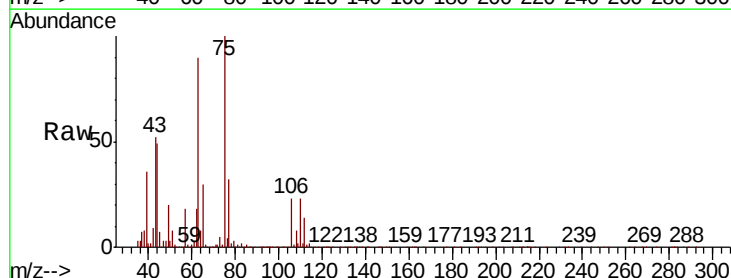
Tgt Ion: 75 Resp: 744563

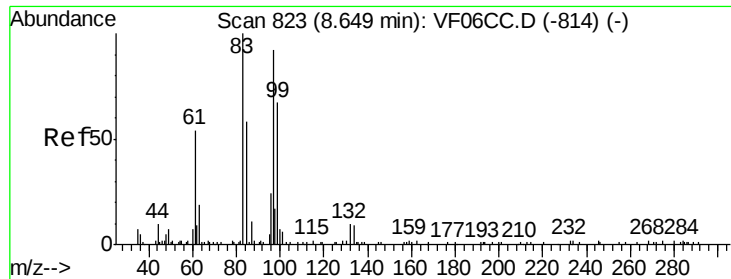
Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.8

39 35.5 28.4 42.6





#55

1,1,2-Trichloroethane

Concen: 47.937 ug/l

RT: 8.66 min Scan# 824

Delta R.T. 0.01 min

Lab File: VF062799.D

Acq: 30 May 2019 17:28

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 97 Resp: 335380

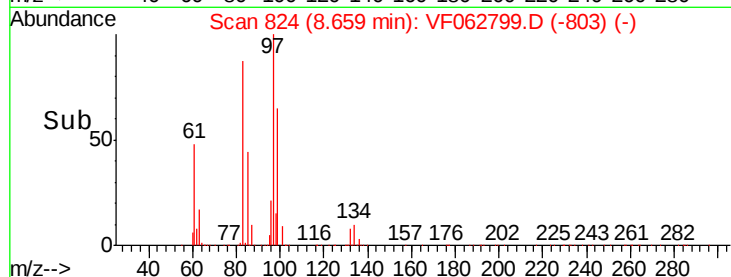
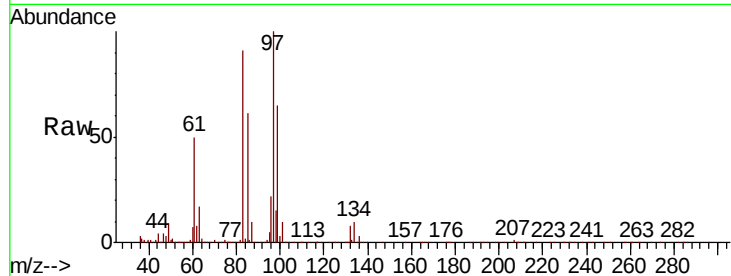
Ion Ratio Lower Upper

97 100

83 91.2 72.0 108.0

85 61.0 47.5 71.3

99 65.3 54.1 81.1

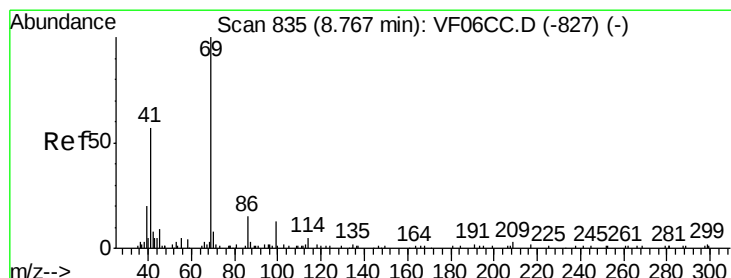
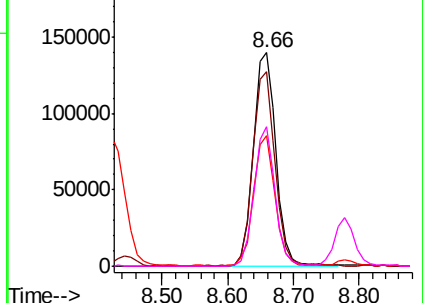


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 50.940 ug/l

RT: 8.78 min Scan# 836

Delta R.T. -0.00 min

Lab File: VF062799.D

Acq: 30 May 2019 17:28

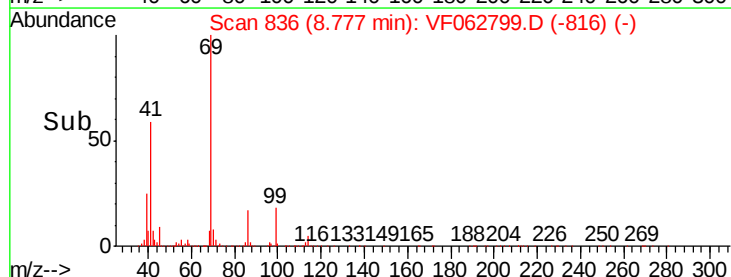
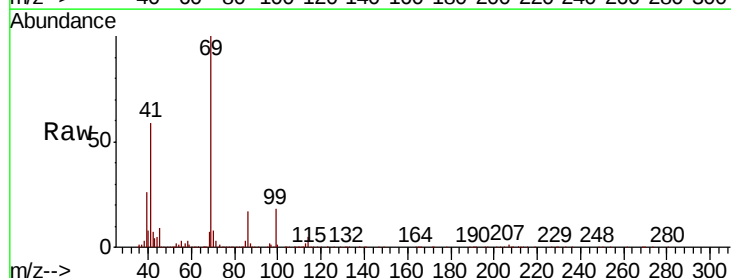
Tgt Ion: 69 Resp: 382396

Ion Ratio Lower Upper

69 100

41 59.5 46.6 69.8

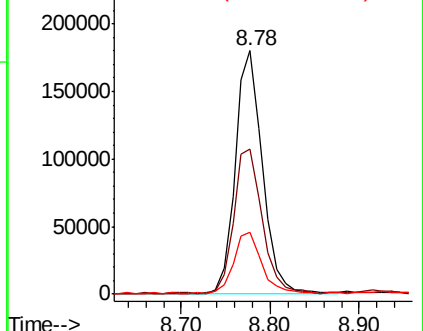
39 25.6 19.6 29.4

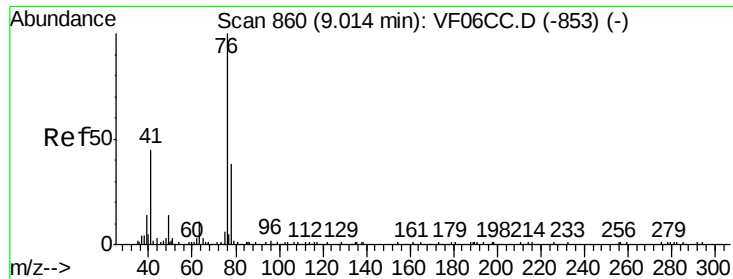


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

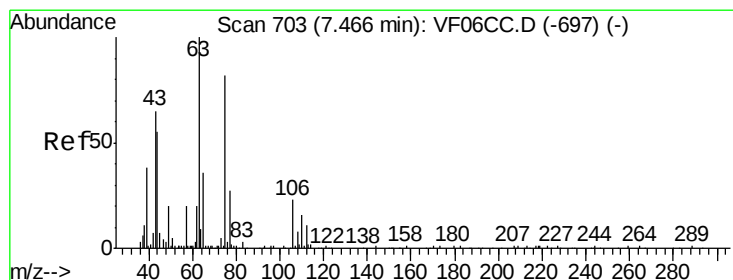
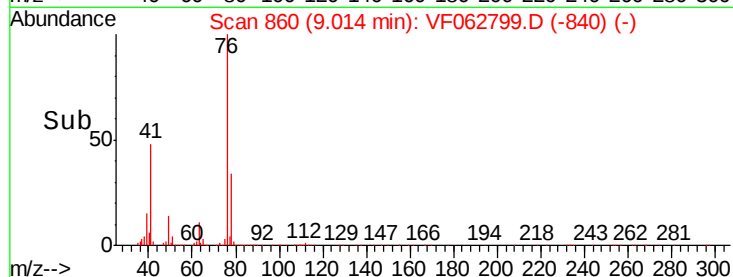
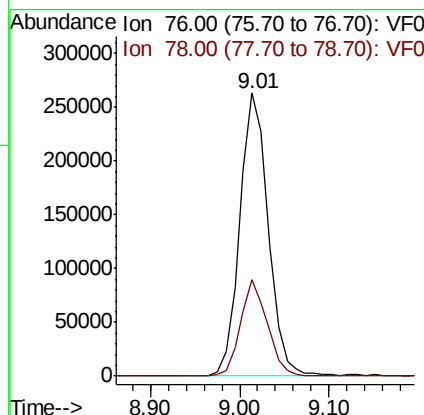
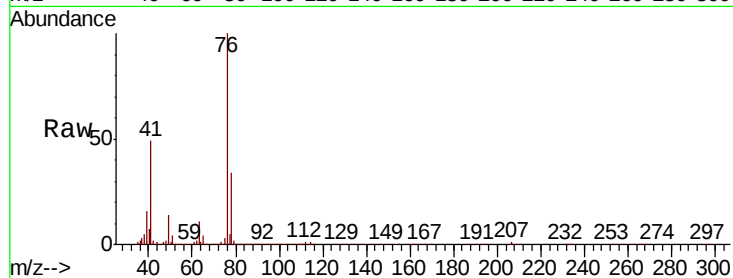




#57
 1,3-Dichloropropane
 Concen: 51.105 ug/l
 RT: 9.01 min Scan# 860
 Delta R.T. -0.00 min
 Lab File: VF062799.D
 Acq: 30 May 2019 17:28

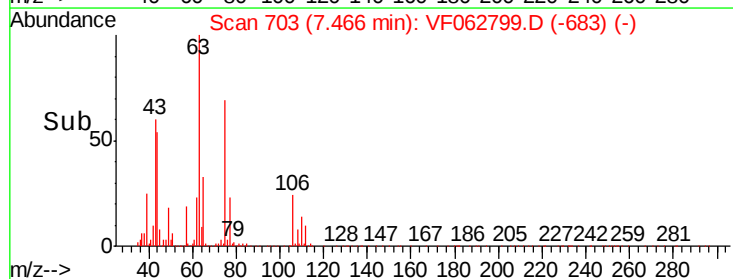
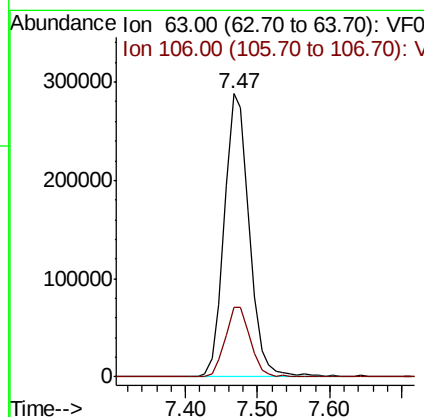
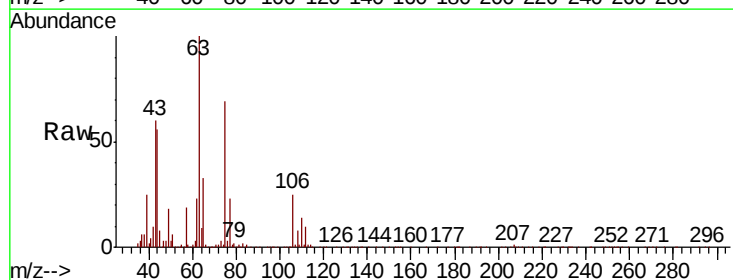
Instrument :
 MSVOA_F
 ClientSampleId :

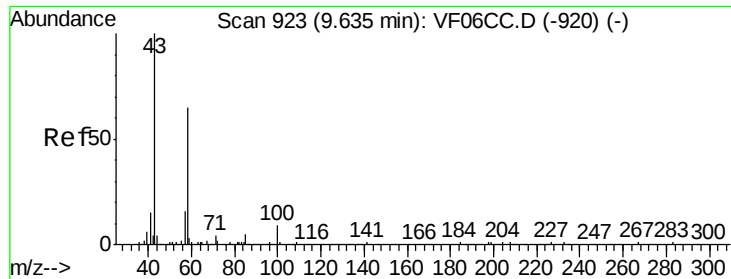
Tot Ion: 76 Resp: 583880
 Ion Ratio Lower Upper
 76 100
 78 34.3 26.8 40.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 261.554 ug/l
 RT: 7.47 min Scan# 703
 Delta R.T. -0.00 min
 Lab File: VF062799.D
 Acq: 30 May 2019 17:28

Tgt Ion: 63 Resp: 686202
 Ion Ratio Lower Upper
 63 100
 106 24.6 19.5 29.3

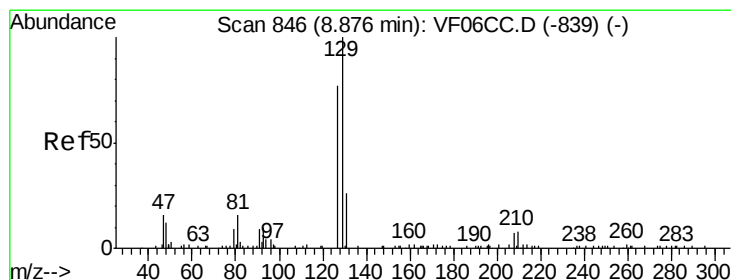
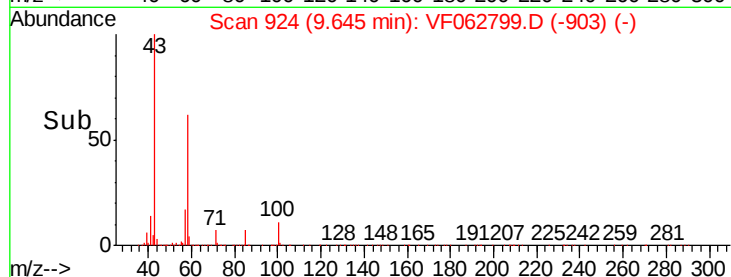
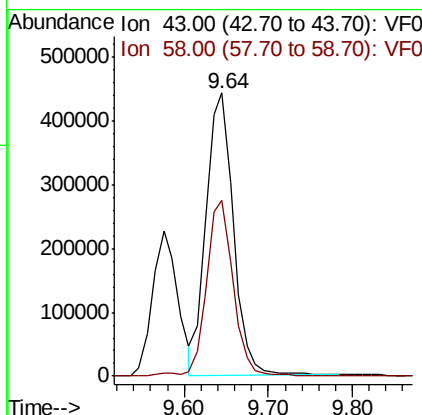
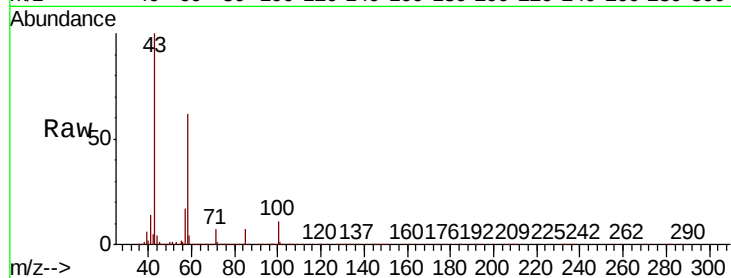




#59
2-Hexanone
Concen: 258.968 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.01 min
Lab File: VF062799.D
Acq: 30 May 2019 17:28

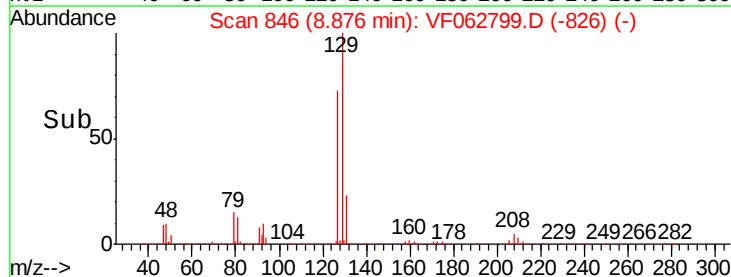
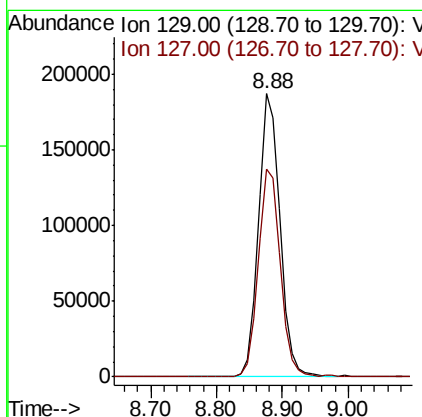
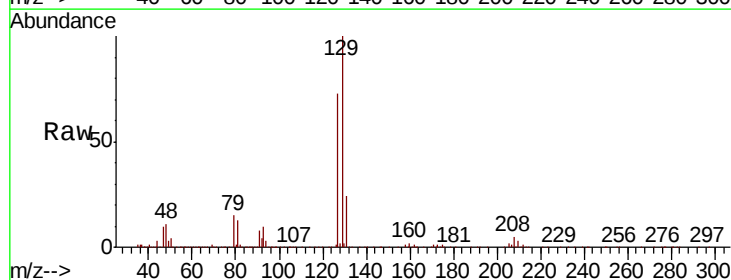
Instrument :
MSVOA_F
ClientSampleId :

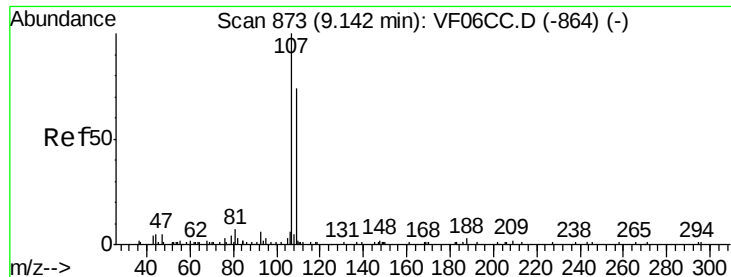
Tot Ion: 43 Resp: 994184
Ion Ratio Lower Upper
43 100
58 62.2 29.3 87.9



#60
Dibromochloromethane
Concen: 49.638 ug/l
RT: 8.88 min Scan# 846
Delta R.T. -0.00 min
Lab File: VF062799.D
Acq: 30 May 2019 17:28

Tgt Ion: 129 Resp: 429961
Ion Ratio Lower Upper
129 100
127 73.4 37.1 111.3





#61

1,2-Dibromoethane

Concen: 50.128 ug/l

RT: 9.15 min Scan# 874

Delta R.T. -0.00 min

Lab File: VF062799.D

Acq: 30 May 2019 17:28

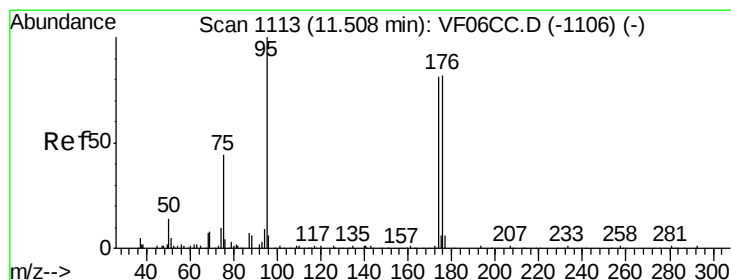
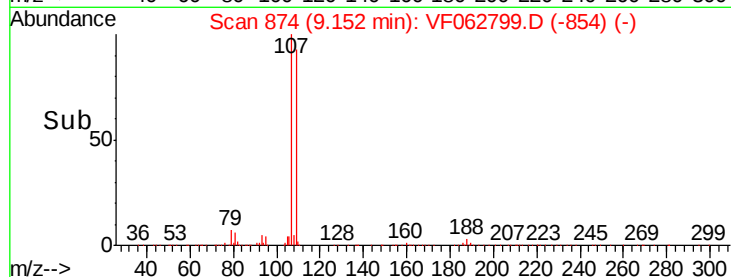
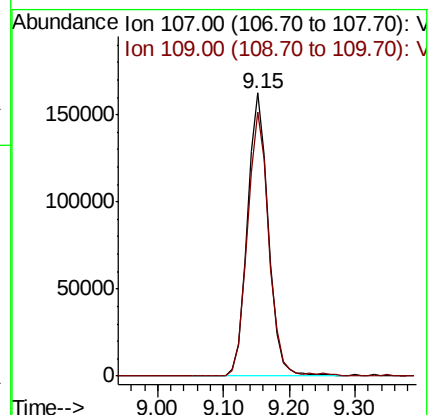
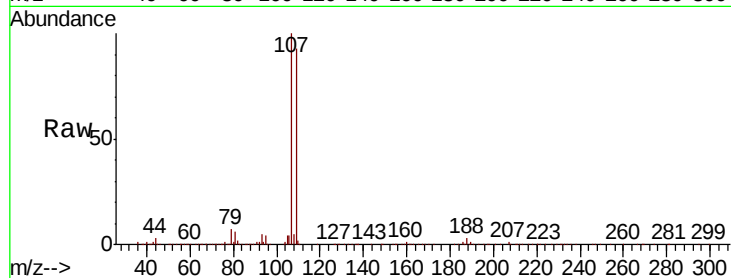
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:107 Resp: 364235

Ion Ratio Lower Upper

107 100

109 93.3 78.1 117.1



#62

4-Bromofluorobenzene

Concen: 51.791 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF062799.D

Acq: 30 May 2019 17:28

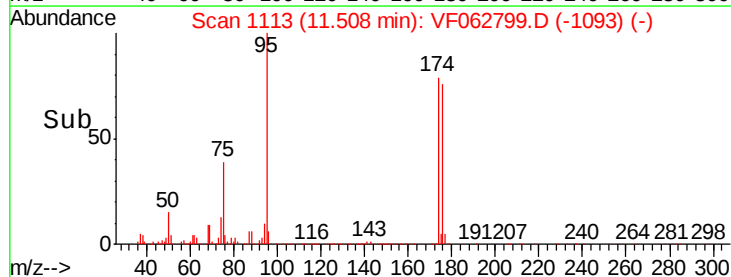
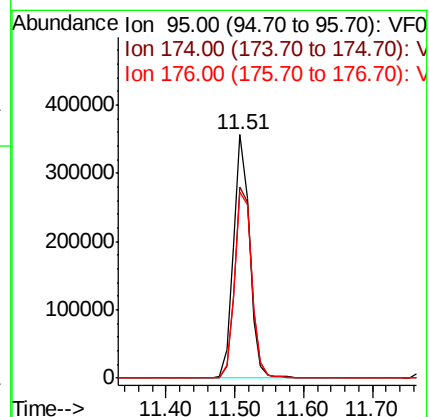
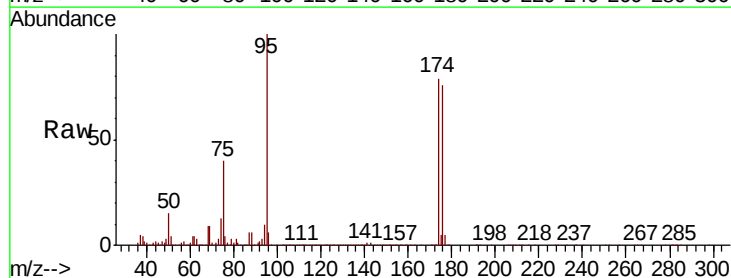
Tgt Ion: 95 Resp: 577720

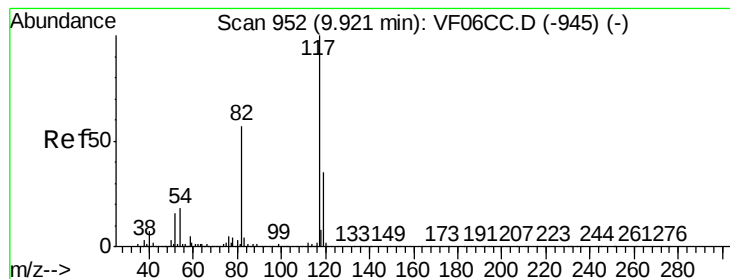
Ion Ratio Lower Upper

95 100

174 78.7 0.0 170.6

176 76.5 0.0 170.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.93 min Scan# 953

Delta R.T. -0.00 min

Lab File: VF062799.D

Acq: 30 May 2019 17:28

Instrument :

MSVOA_F

ClientSampleId :

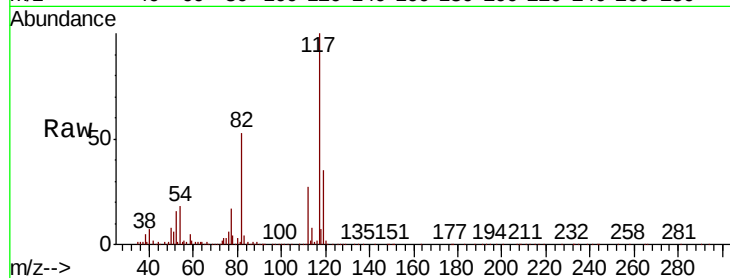
Tot Ion:117 Resp: 1270211

Ion Ratio Lower Upper

117 100

82 53.3 42.4 63.6

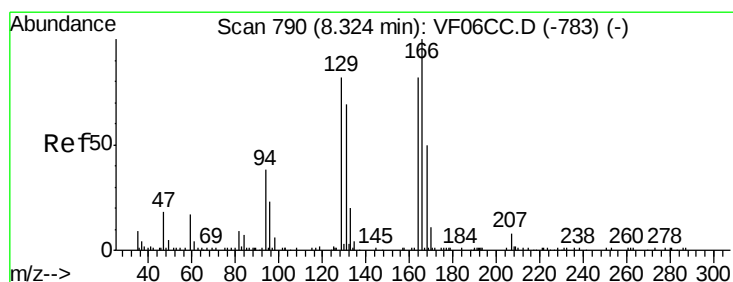
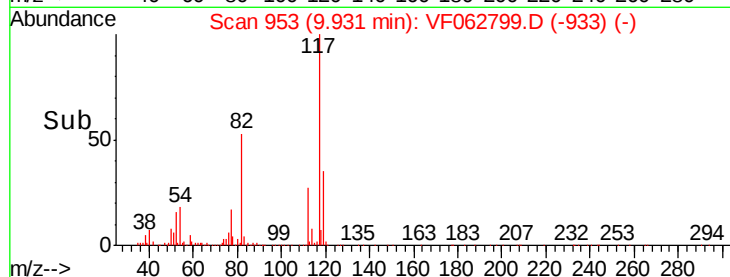
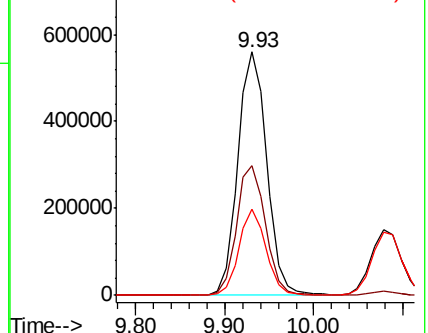
119 35.3 27.1 40.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 44.692 ug/l

RT: 8.32 min Scan# 790

Delta R.T. -0.00 min

Lab File: VF062799.D

Acq: 30 May 2019 17:28

Tgt Ion:164 Resp: 436226

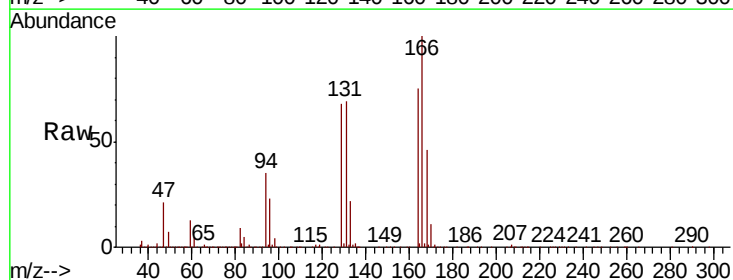
Ion Ratio Lower Upper

164 100

166 134.2 99.1 148.7

129 91.6 69.5 104.3

131 92.2 69.2 103.8

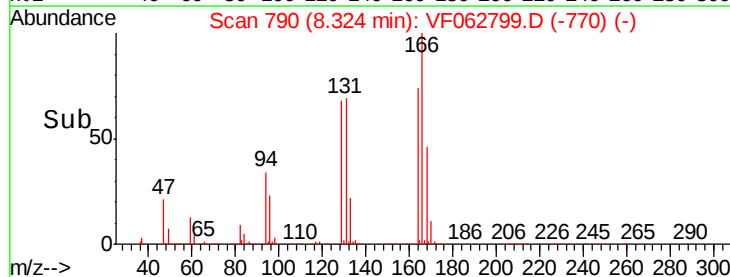
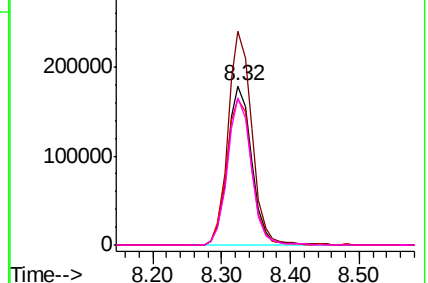


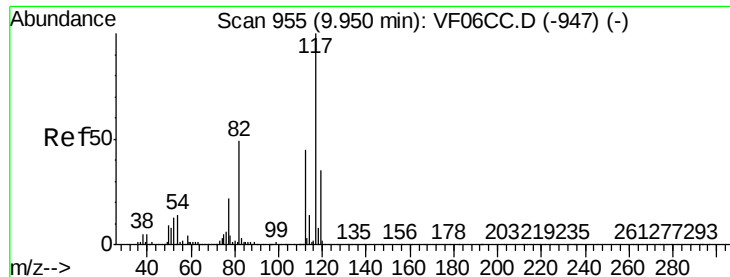
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 47.378 ug/l

RT: 9.95 min Scan# 955

Delta R.T. -0.00 min

Lab File: VF062799.D

Acq: 30 May 2019 17:28

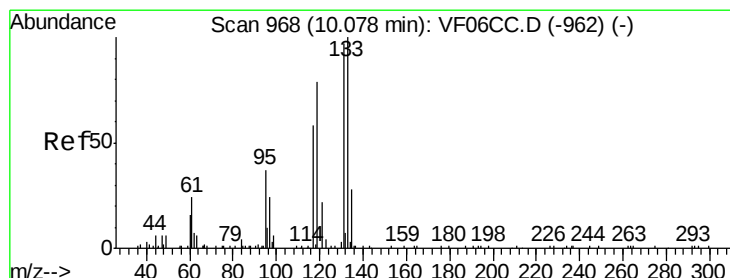
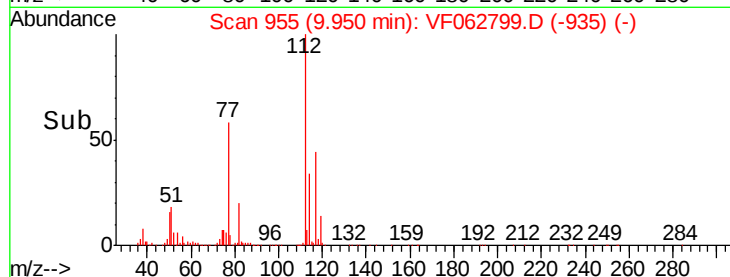
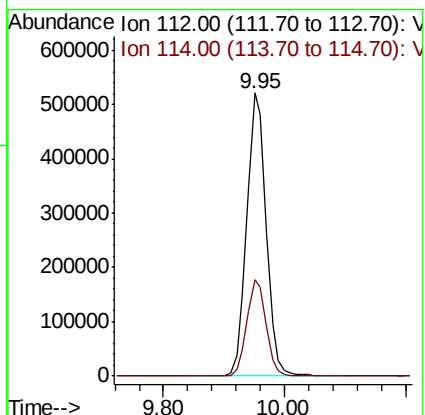
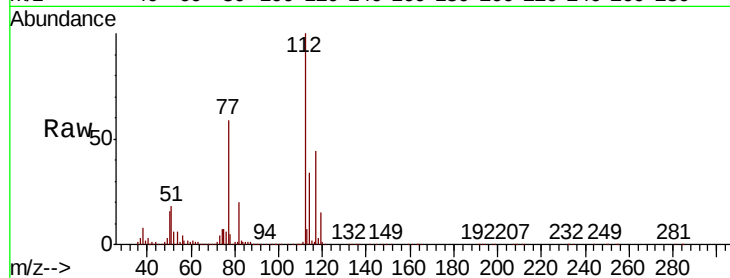
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:112 Resp: 1162168

Ion Ratio Lower Upper

112 100

114 34.1 27.4 41.0



#66

1,1,1,2-Tetrachloroethane

Concen: 46.689 ug/l

RT: 10.08 min Scan# 968

Delta R.T. -0.00 min

Lab File: VF062799.D

Acq: 30 May 2019 17:28

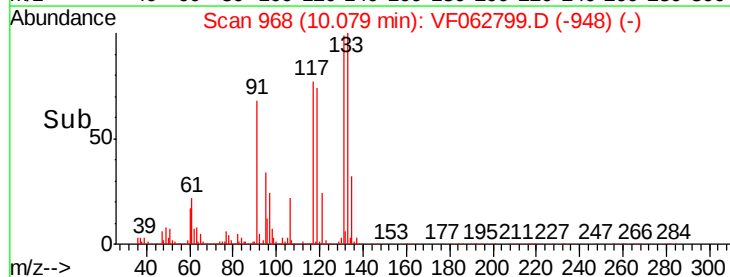
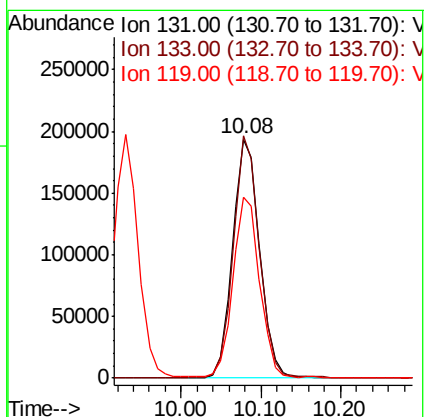
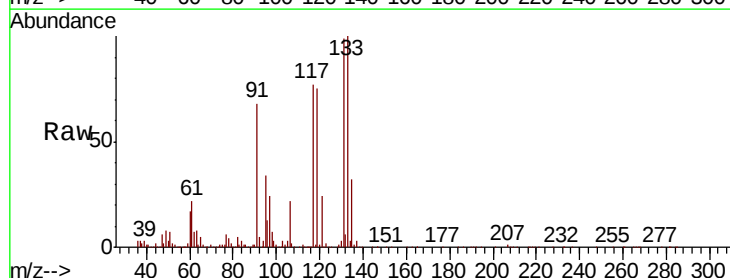
Tgt Ion:131 Resp: 456114

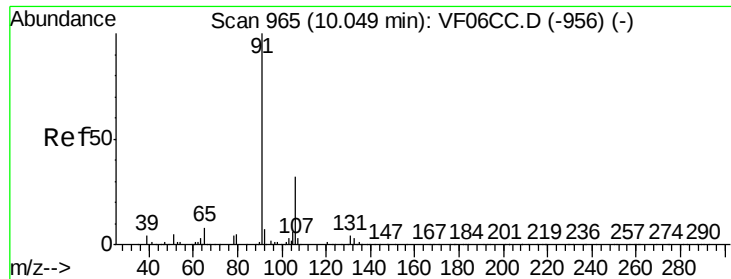
Ion Ratio Lower Upper

131 100

133 101.5 48.9 146.7

119 75.7 38.0 114.0





#67

Ethyl Benzene

Concen: 48.286 ug/l

RT: 10.05 min Scan# 965

Delta R.T. -0.00 min

Lab File: VF062799.D

Acq: 30 May 2019 17:28

Instrument :

MSVOA_F

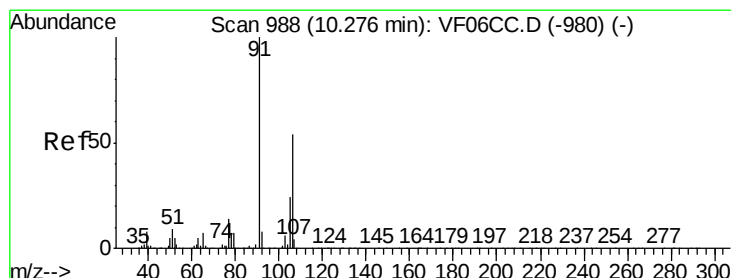
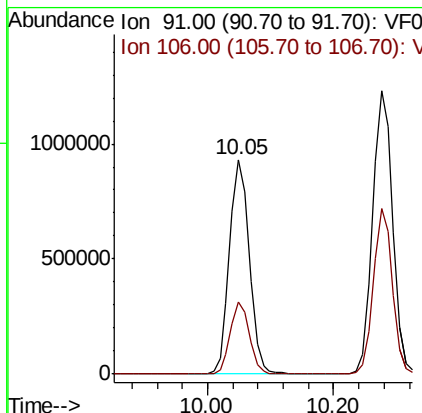
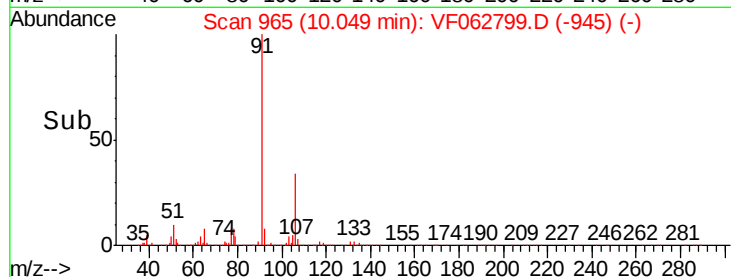
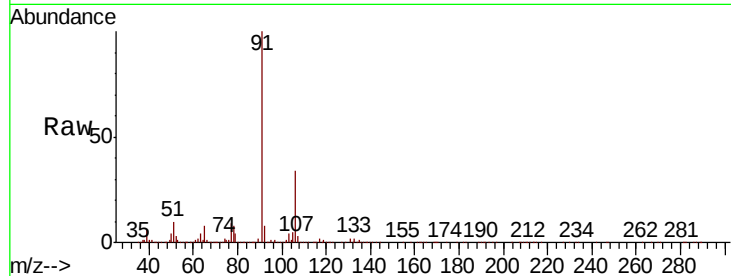
ClientSampled :

Tot Ion: 91 Resp: 2032532

Ion Ratio Lower Upper

91 100

106 33.8 26.0 39.0



#68

m/p-Xylenes

Concen: 94.401 ug/l

RT: 10.28 min Scan# 988

Delta R.T. -0.00 min

Lab File: VF062799.D

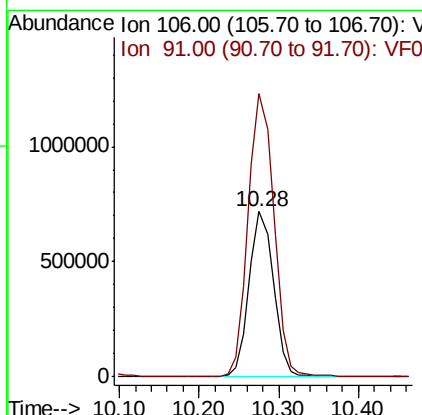
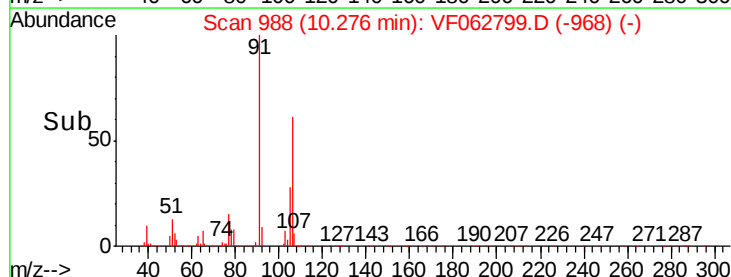
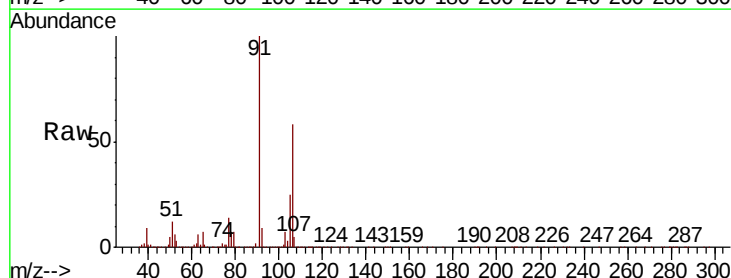
Acq: 30 May 2019 17:28

Tgt Ion:106 Resp: 1520606

Ion Ratio Lower Upper

106 100

91 171.3 136.2 204.4

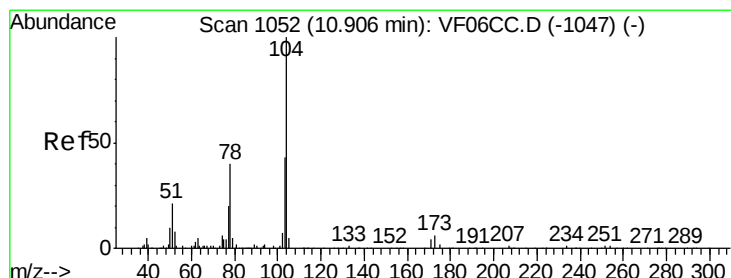
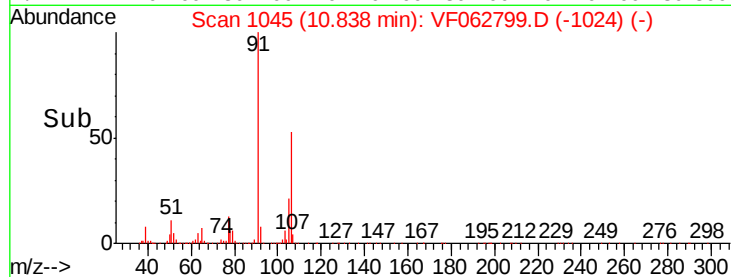
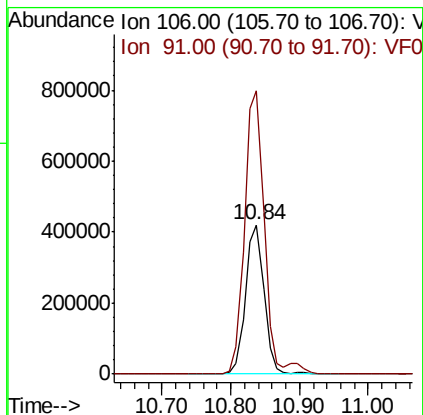
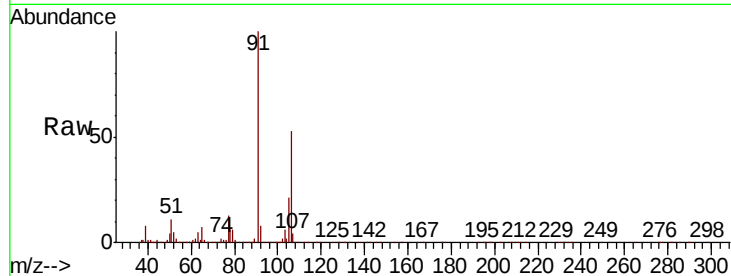




#69
o-Xylene
Concen: 48.235 ug/l
RT: 10.84 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VF062799.D
Acq: 30 May 2019 17:28

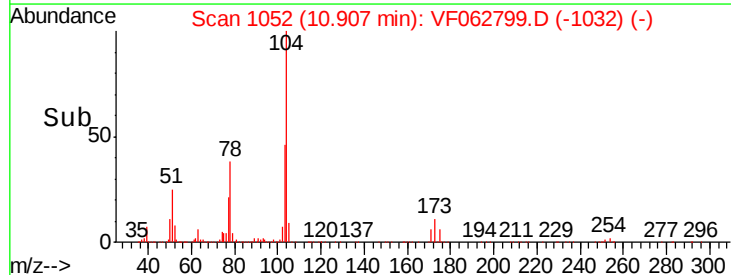
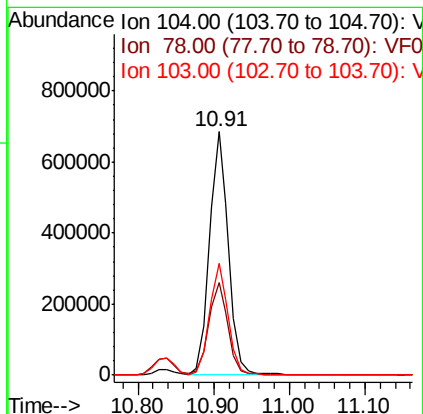
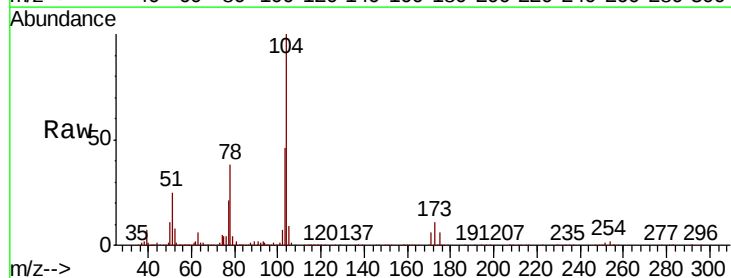
Instrument :
MSVOA_F
ClientSampled :

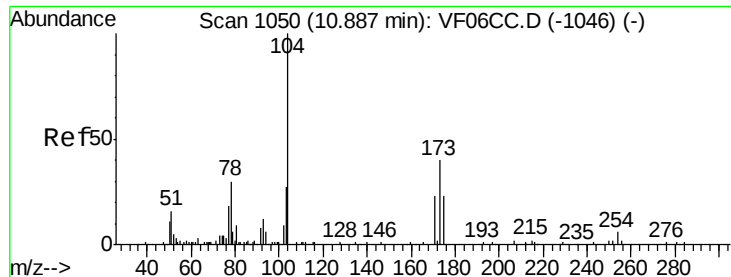
Tot Ion:106 Resp: 786652
Ion Ratio Lower Upper
106 100
91 189.3 96.6 289.8



#70
Styrene
Concen: 49.833 ug/l
RT: 10.91 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VF062799.D
Acq: 30 May 2019 17:28

Tgt Ion:104 Resp: 1197894
Ion Ratio Lower Upper
104 100
78 38.0 30.8 46.2
103 45.8 35.8 53.6





#71

Bromoform

Concen: 48.880 ug/l

RT: 10.90 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VF062799.D

Acq: 30 May 2019 17:28

Instrument :

MSVOA_F

ClientSampleId :

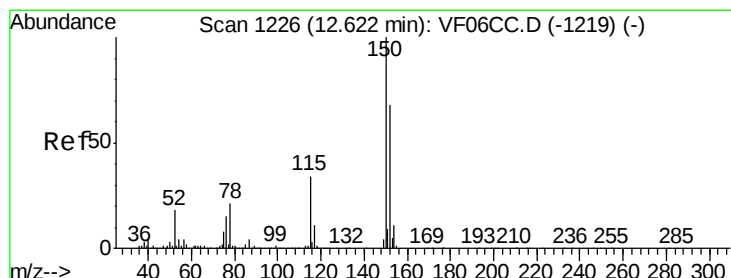
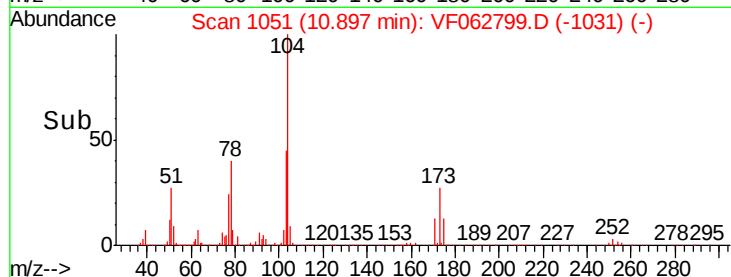
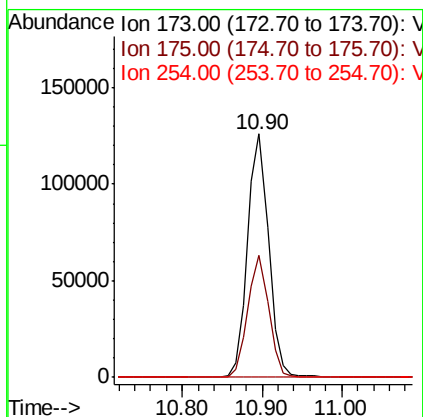
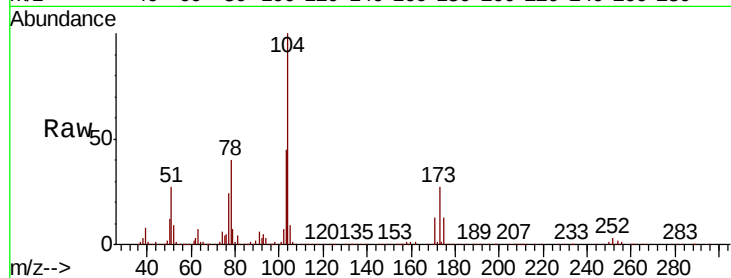
Tot Ion:173 Resp: 229074

Ion Ratio Lower Upper

173 100

175 50.1 24.6 74.0

254 0.2 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. -0.00 min

Lab File: VF062799.D

Acq: 30 May 2019 17:28

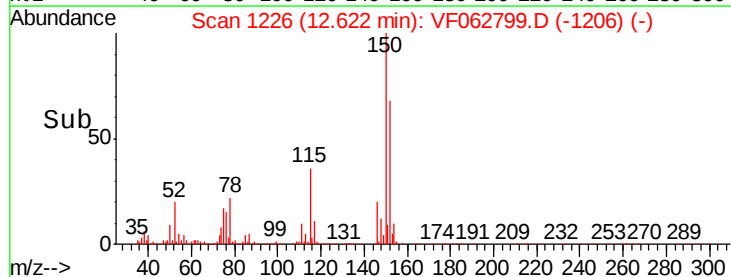
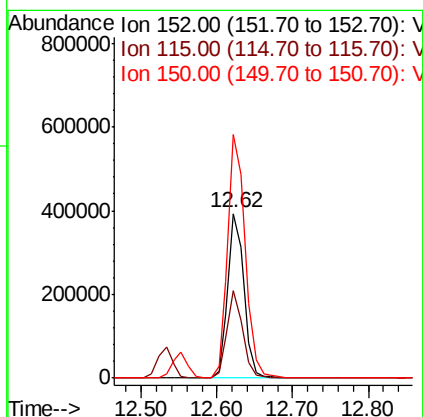
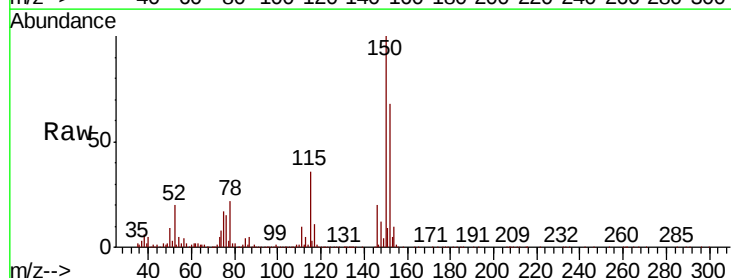
Tgt Ion:152 Resp: 579716

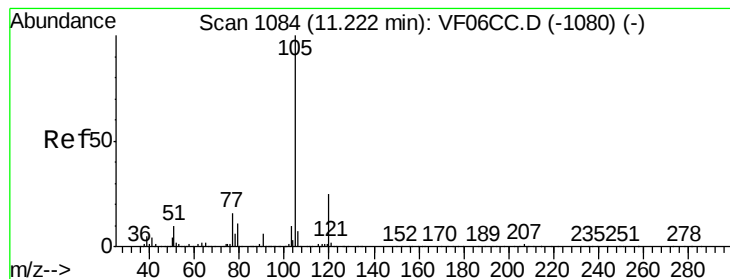
Ion Ratio Lower Upper

152 100

115 53.3 24.6 74.0

150 148.1 0.0 290.6





#73

Isopropylbenzene

Concen: 50.156 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VF062799.D

Acq: 30 May 2019 17:28

Instrument :

MSVOA_F

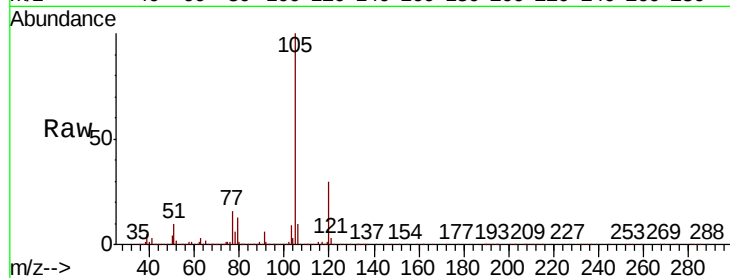
ClientSampleId :

Tot Ion:105 Resp: 2028805

Ion Ratio Lower Upper

105 100

120 30.5 15.1 45.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.23

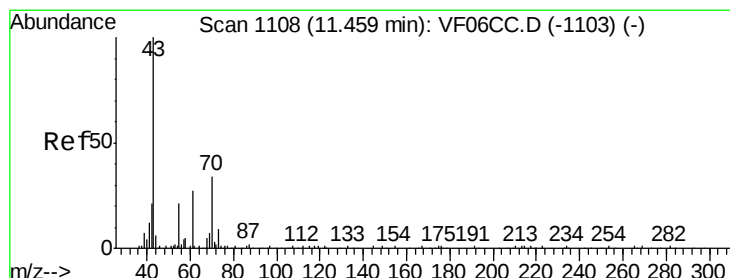
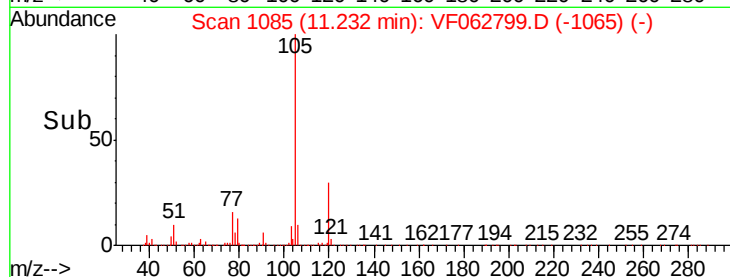
1000000

500000

0

Time-->

11.10 11.20 11.30 11.40



#74

N-ethyl acetate

Concen: 51.450 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF062799.D

Acq: 30 May 2019 17:28

Tgt Ion: 43 Resp: 586565

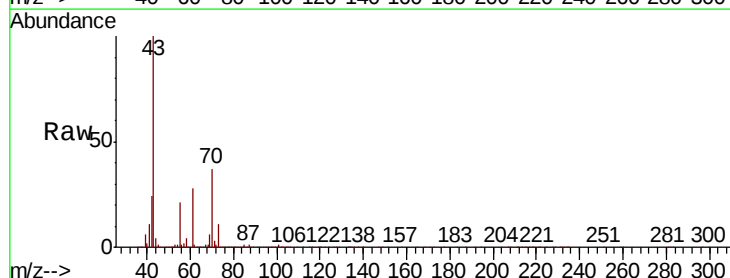
Ion Ratio Lower Upper

43 100

70 37.2 32.9 49.3

55 20.8 17.3 25.9

61 27.9 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

600000

500000

400000

300000

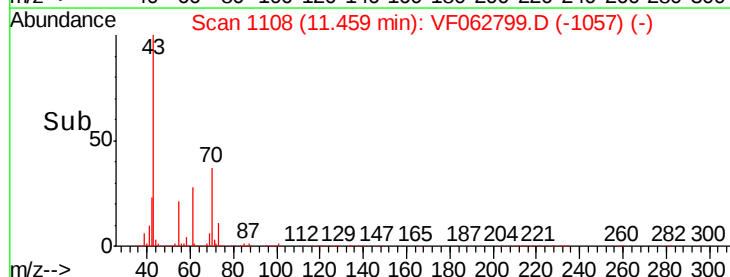
200000

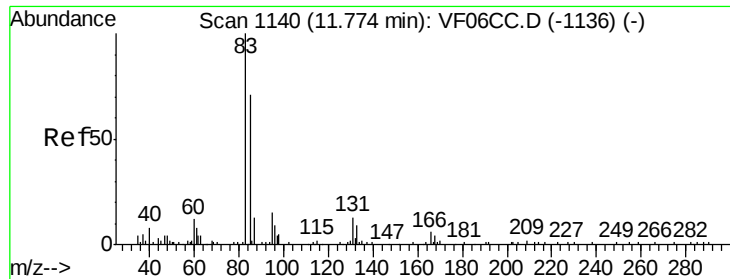
100000

0

Time-->

11.40 11.50 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 45.731 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF062799.D

Acq: 30 May 2019 17:28

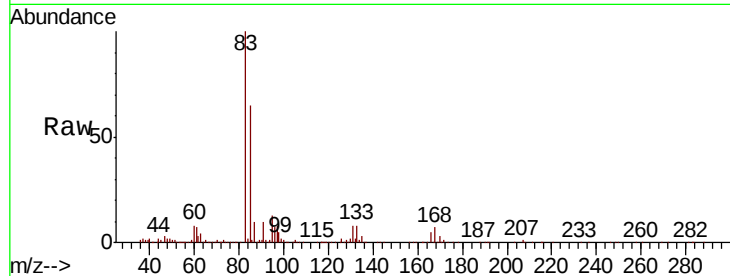
Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 83 Resp: 395036

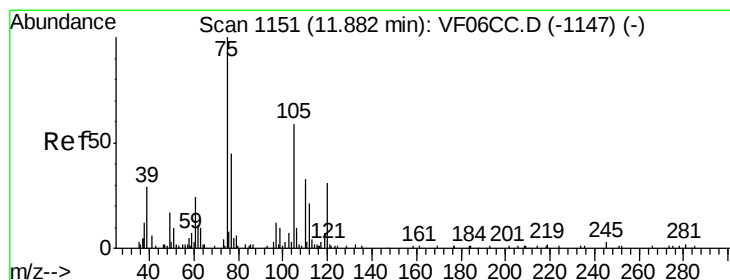
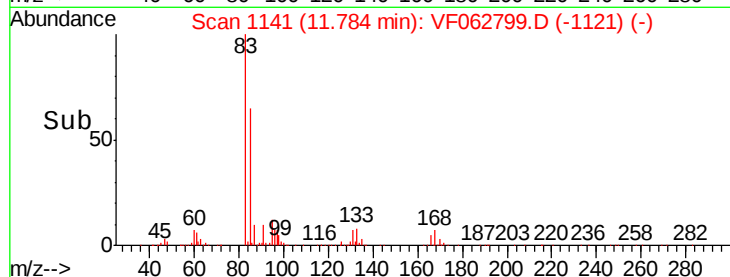
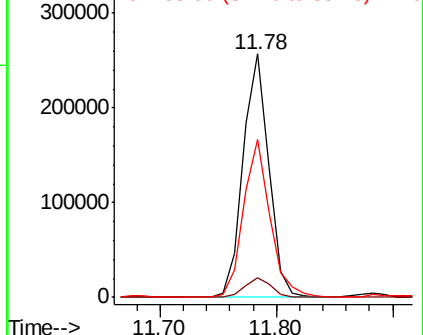
Ion	Ratio	Lower	Upper
83	100		
131	7.9	4.9	14.7
85	64.6	32.1	96.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 43.367 ug/l

RT: 11.88 min Scan# 1151

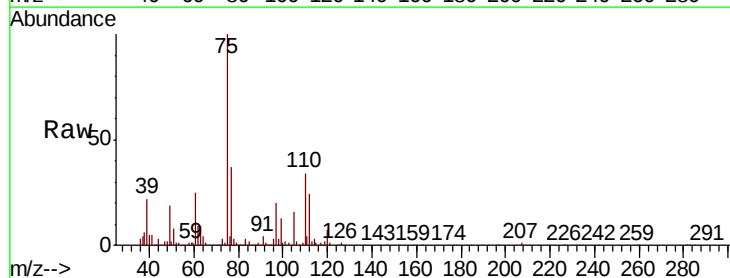
Delta R.T. -0.00 min

Lab File: VF062799.D

Acq: 30 May 2019 17:28

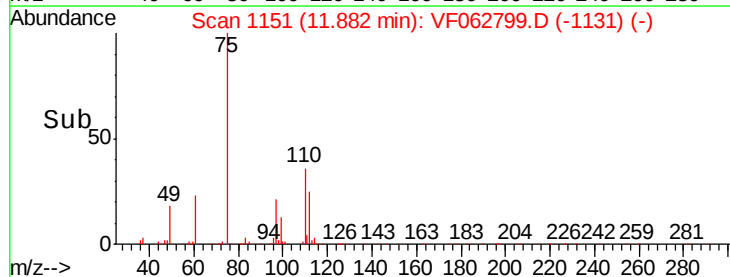
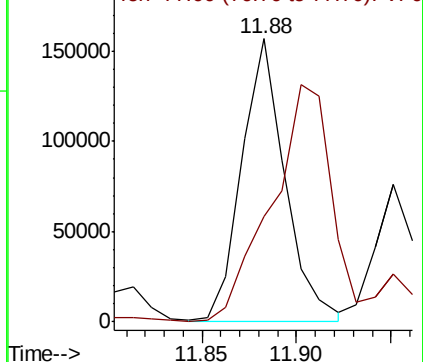
Tgt Ion: 75 Resp: 248318

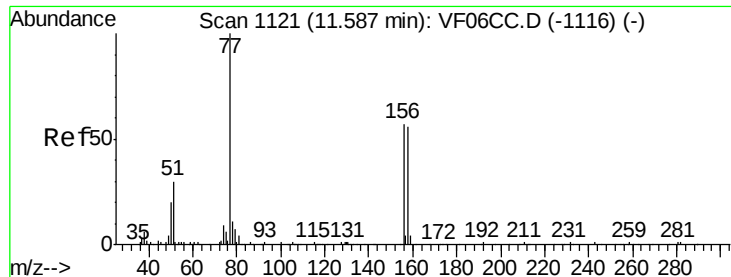
Ion	Ratio	Lower	Upper
75	100		
77	37.1	20.1	60.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 49.370 ug/l

RT: 11.60 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF062799.D

Acq: 30 May 2019 17:28

Instrument :

MSVOA_F

ClientSampleId :

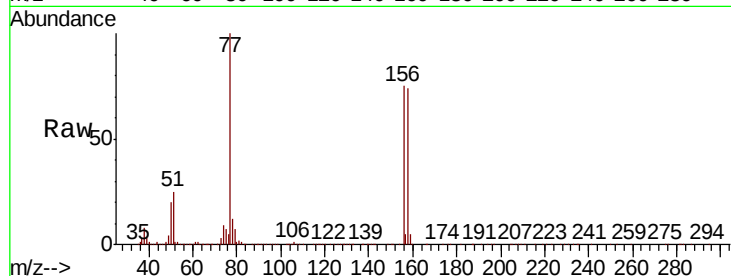
Tot Ion:156 Resp: 501776

Ion Ratio Lower Upper

156 100

77 133.8 64.2 192.6

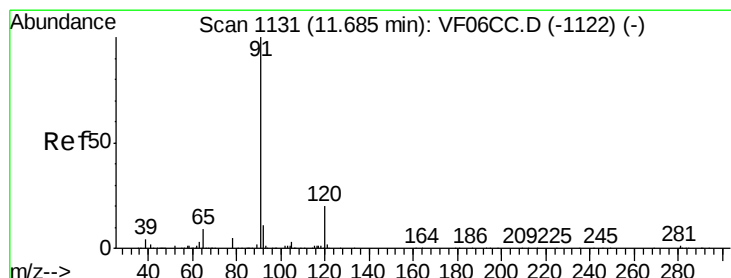
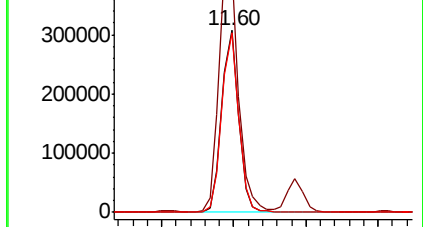
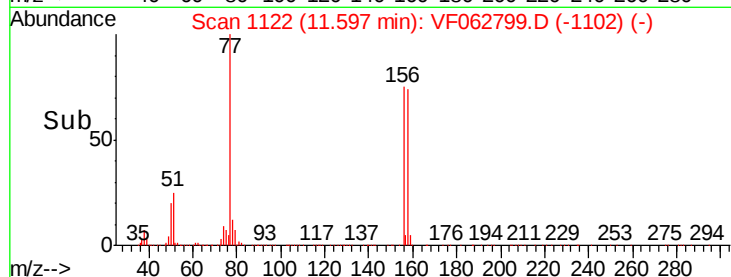
158 98.5 50.3 151.0



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: 46.573 ug/l

RT: 11.69 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF062799.D

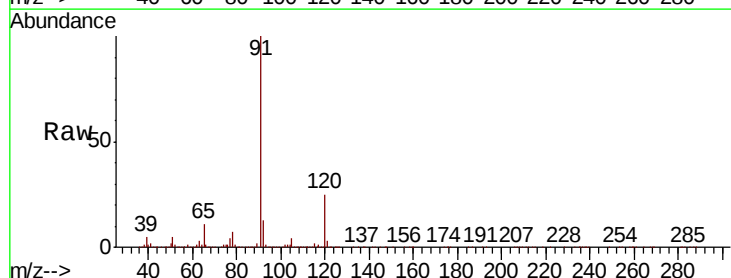
Acq: 30 May 2019 17:28

Tgt Ion: 91 Resp: 2274691

Ion Ratio Lower Upper

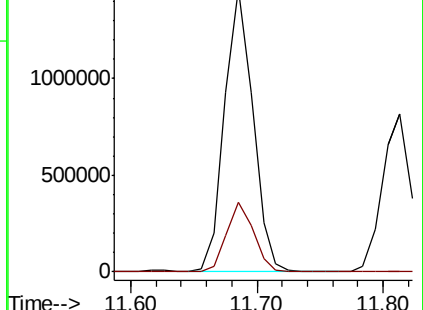
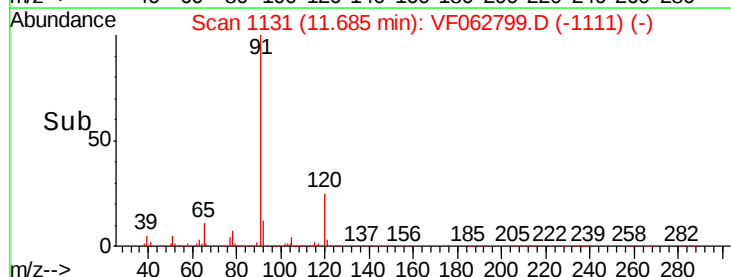
91 100

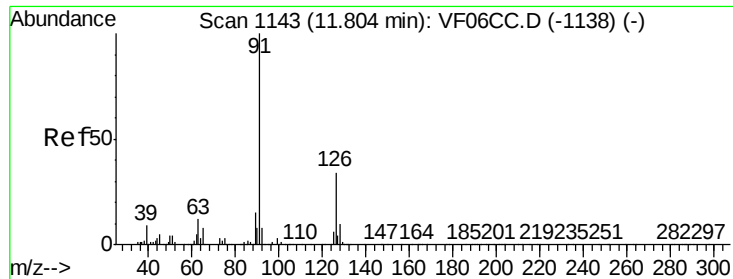
120 24.8 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

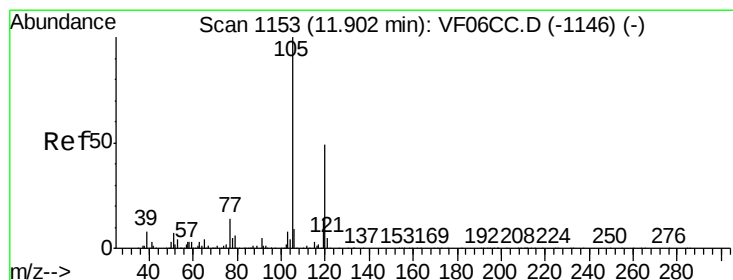
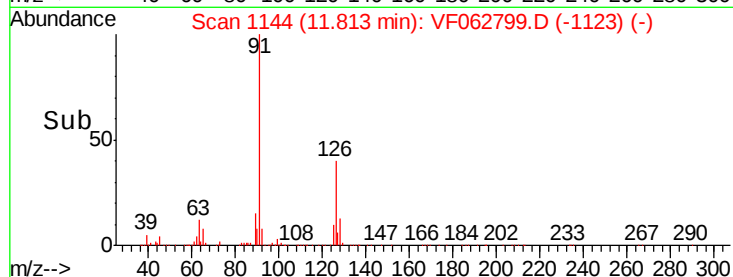
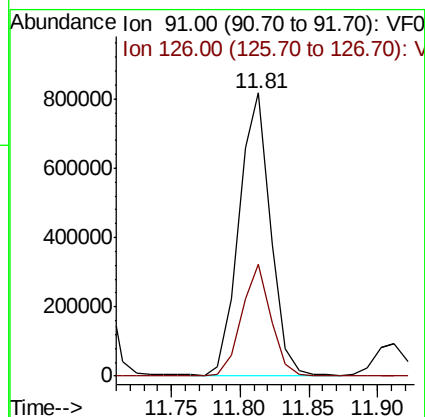
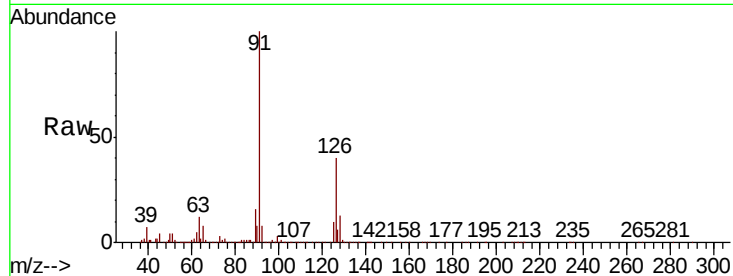




#79
 2-Chlorotoluene
 Concen: 46.156 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VF062799.D
 Acq: 30 May 2019 17:28

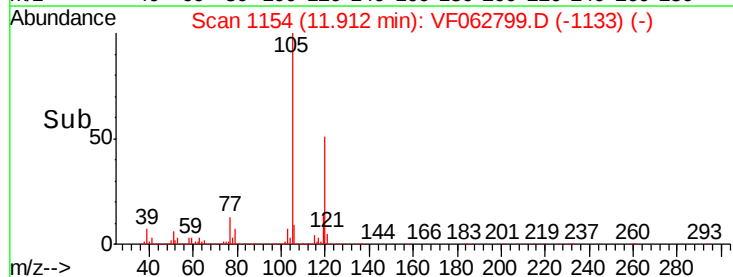
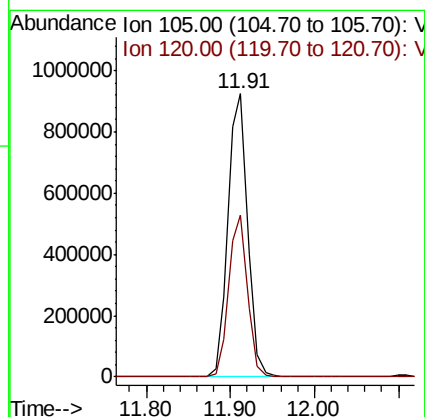
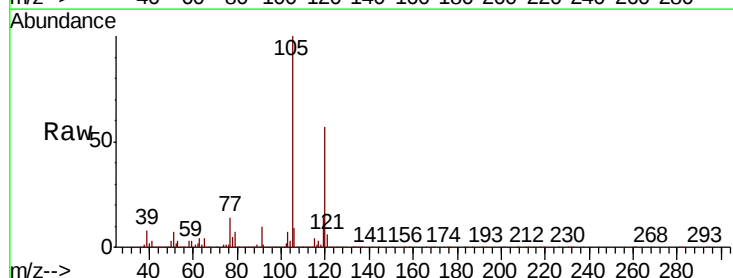
Instrument :
 MSVOA_F
 ClientSampleId :

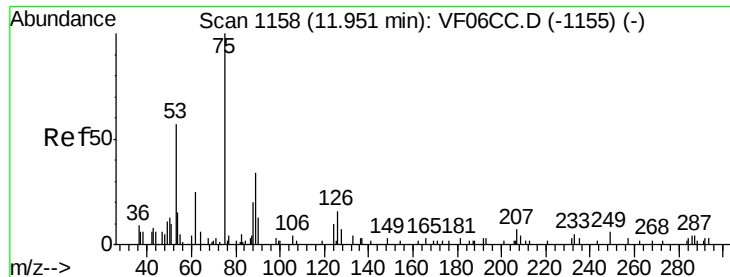
Tot Ion: 91 Resp: 1289907
 Ion Ratio Lower Upper
 91 100
 126 39.5 17.8 53.3



#80
 1,3,5-Trimethylbenzene
 Concen: 45.163 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. 0.01 min
 Lab File: VF062799.D
 Acq: 30 May 2019 17:28

Tgt Ion: 105 Resp: 1493993
 Ion Ratio Lower Upper
 105 100
 120 57.3 28.7 86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 59.893 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF062799.D

Acq: 30 May 2019 17:28

Instrument :

MSVOA_F

ClientSampleId :

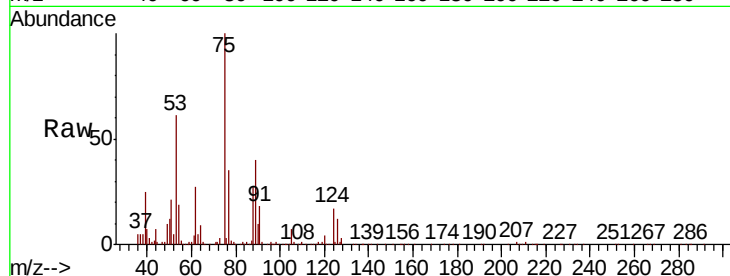
Tot Ion: 75 Resp: 145191

Ion Ratio Lower Upper

75 100

53 61.0 43.5 65.3

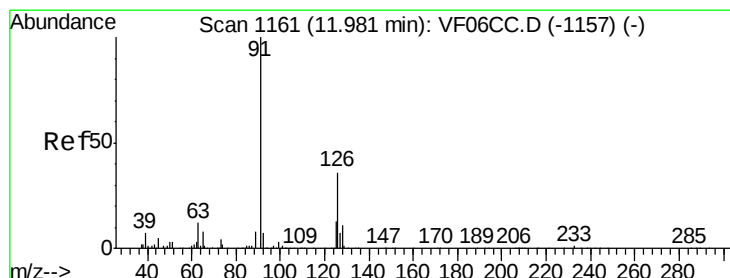
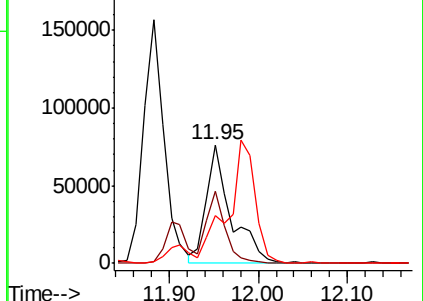
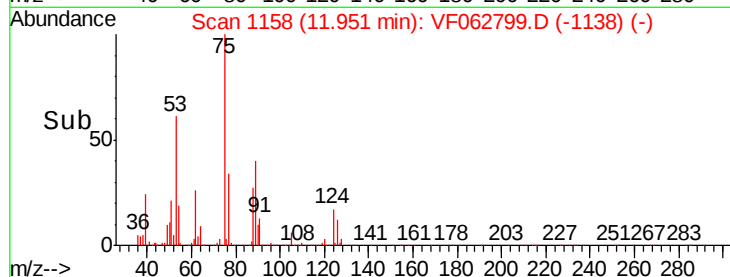
89 40.2 34.3 51.5



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: 47.345 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VF062799.D

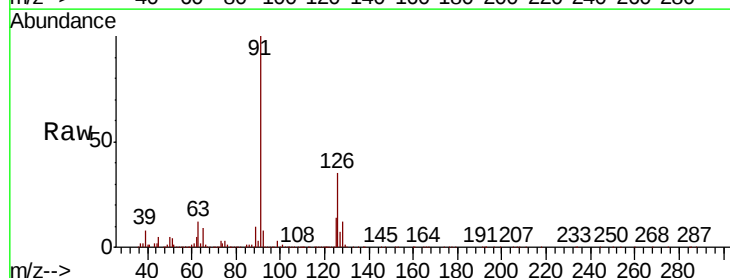
Acq: 30 May 2019 17:28

Tgt Ion: 91 Resp: 1300308

Ion Ratio Lower Upper

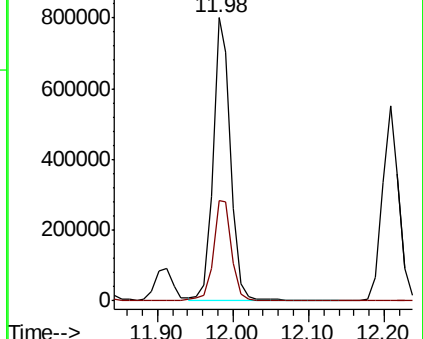
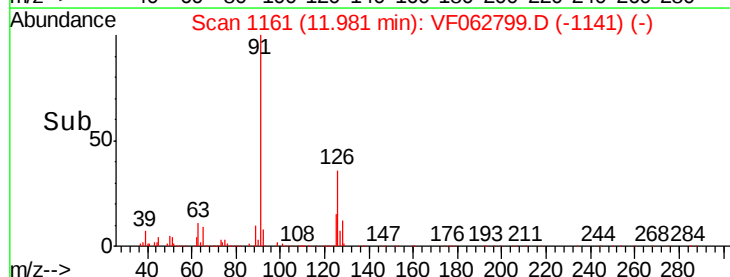
91 100

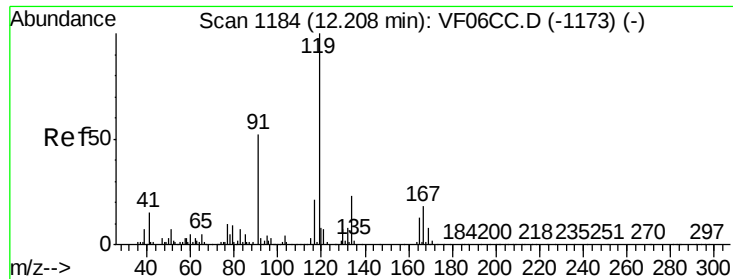
126 35.2 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

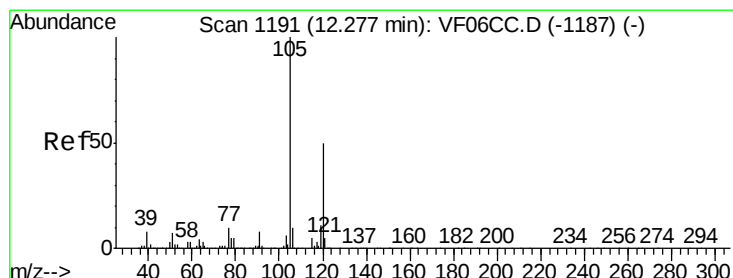
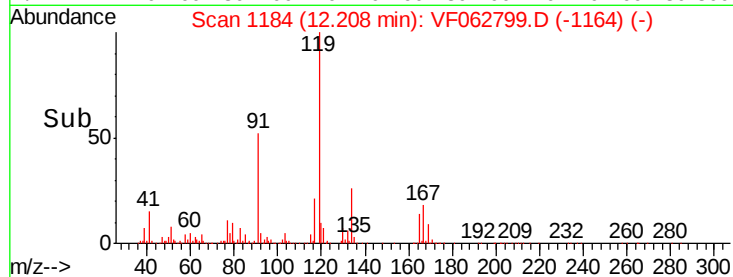
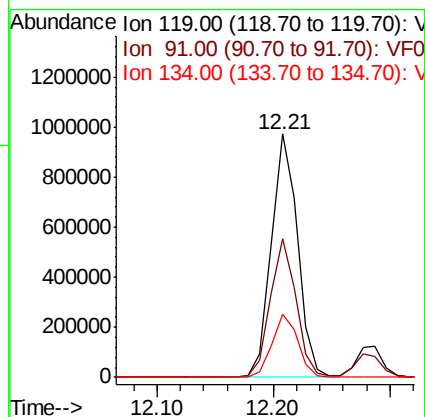
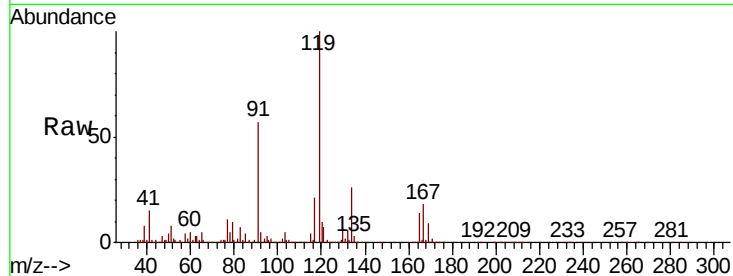




#83
 tert-Butylbenzene
 Concen: 46.331 ug/l
 RT: 12.21 min Scan# 1184
 Delta R.T. -0.00 min
 Lab File: VF062799.D
 Acq: 30 May 2019 17:28

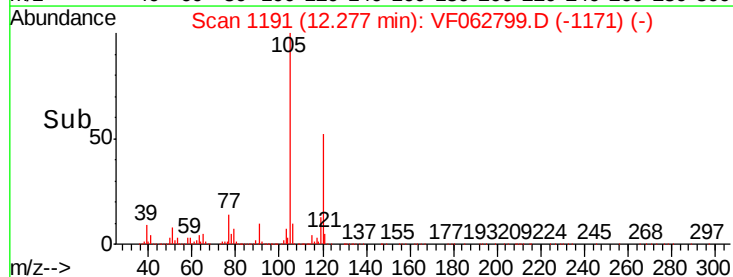
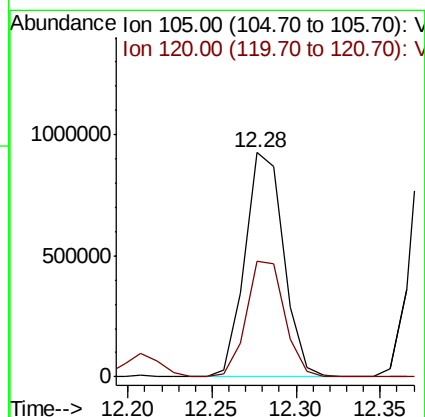
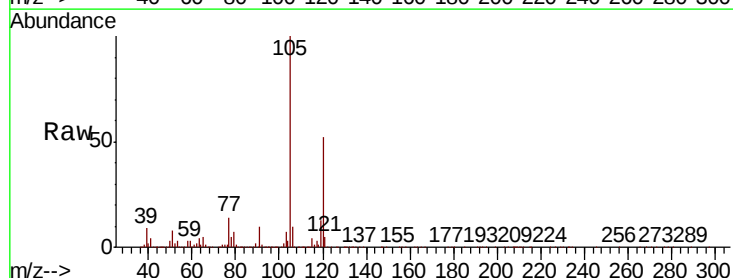
Instrument :
 MSVOA_F
 ClientSampleId :

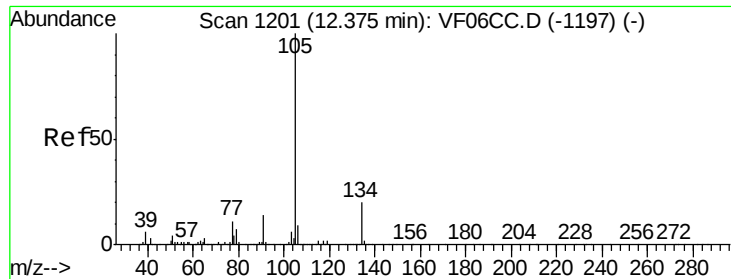
Tot Ion:119 Resp: 1518621
 Ion Ratio Lower Upper
 119 100
 91 56.8 28.9 86.7
 134 25.7 14.3 42.9



#84
 1,2,4-Trimethylbenzene
 Concen: 47.230 ug/l
 RT: 12.28 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VF062799.D
 Acq: 30 May 2019 17:28

Tgt Ion:105 Resp: 1481319
 Ion Ratio Lower Upper
 105 100
 120 51.6 27.1 81.3





#85

sec-Butylbenzene

Concen: 47.399 ug/l

RT: 12.39 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VF062799.D

Acq: 30 May 2019 17:28

Instrument :

MSVOA_F

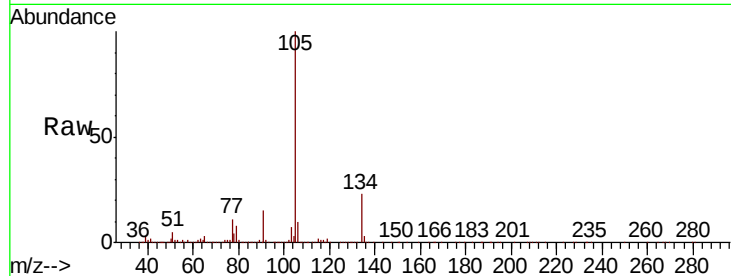
ClientSampleId :

Tot Ion:105 Resp: 2047201

Ion Ratio Lower Upper

105 100

134 22.8 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

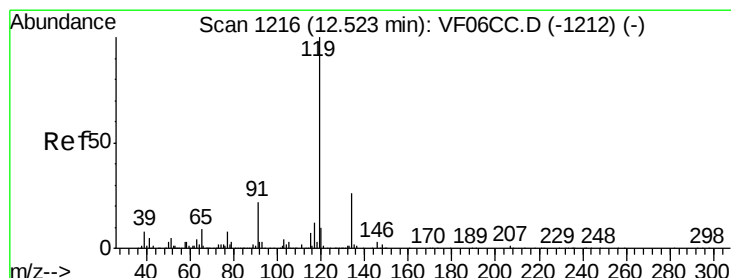
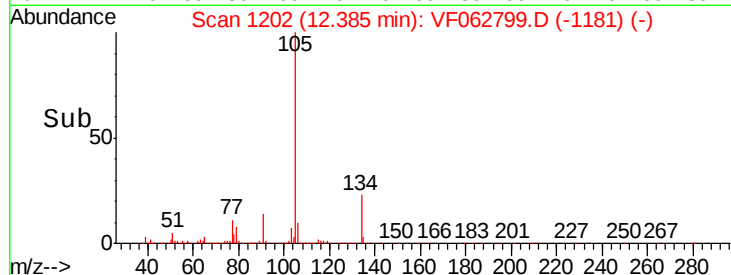
12.39

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 47.546 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VF062799.D

Acq: 30 May 2019 17:28

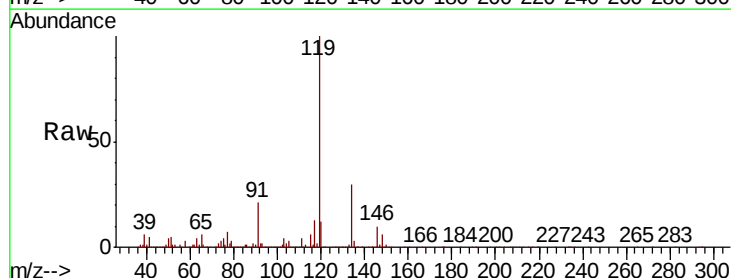
Tgt Ion:119 Resp: 1709293

Ion Ratio Lower Upper

119 100

134 29.7 15.5 46.5

91 21.3 10.3 30.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.53

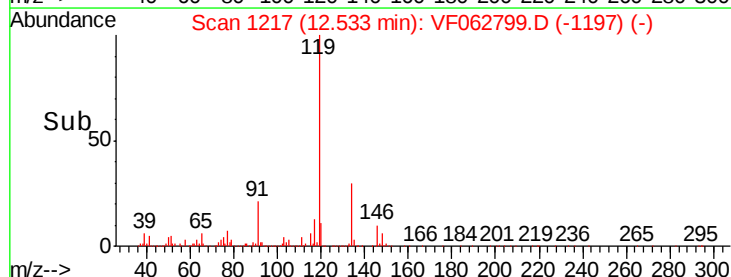
1500000

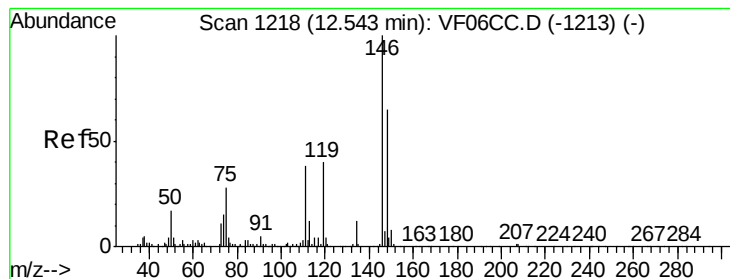
1000000

500000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 45.821 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VF062799.D

Acq: 30 May 2019 17:28

Instrument :

MSVOA_F

ClientSampleId :

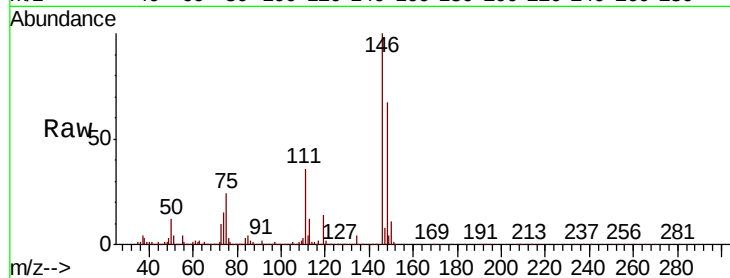
Tot Ion:146 Resp: 821316

Ion Ratio Lower Upper

146 100

111 35.7 19.6 58.8

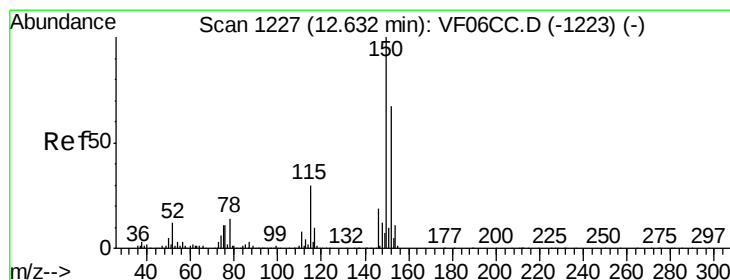
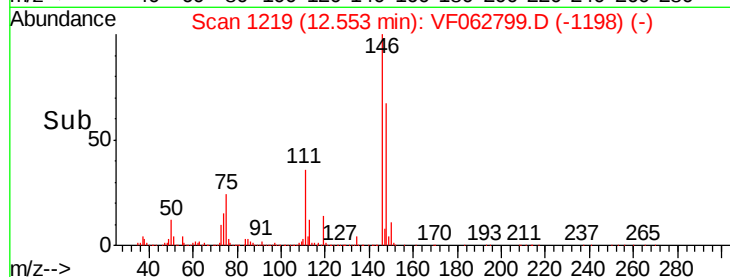
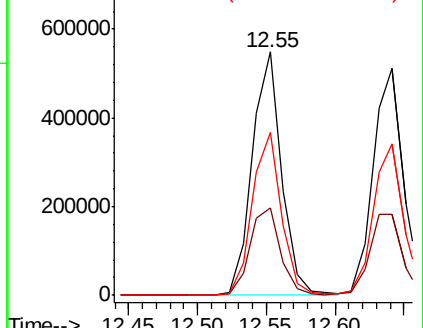
148 66.8 34.2 102.5



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: 46.971 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. 0.01 min

Lab File: VF062799.D

Acq: 30 May 2019 17:28

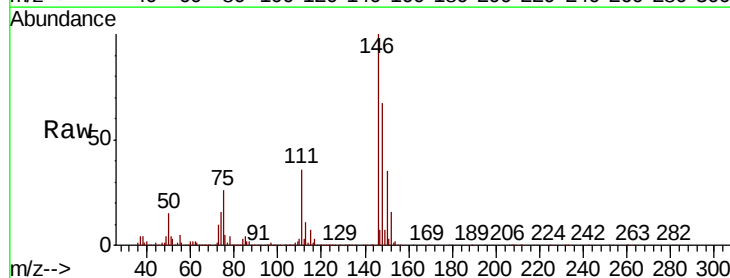
Tgt Ion:146 Resp: 785716

Ion Ratio Lower Upper

146 100

111 35.6 20.3 60.9

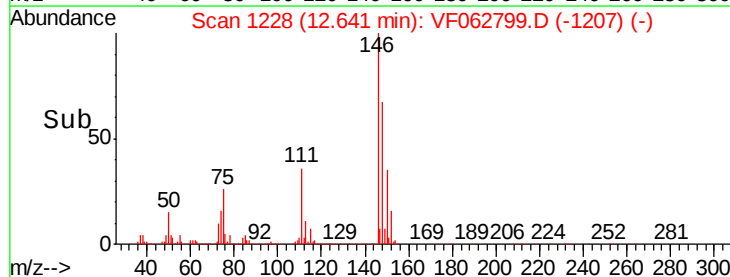
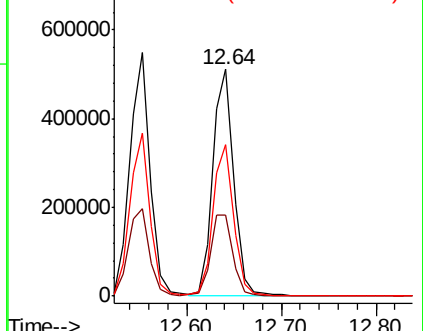
148 66.9 34.0 101.8

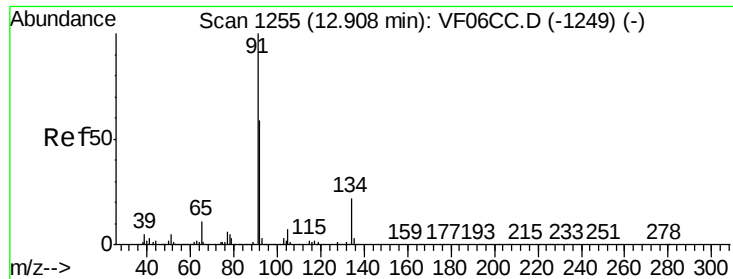


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

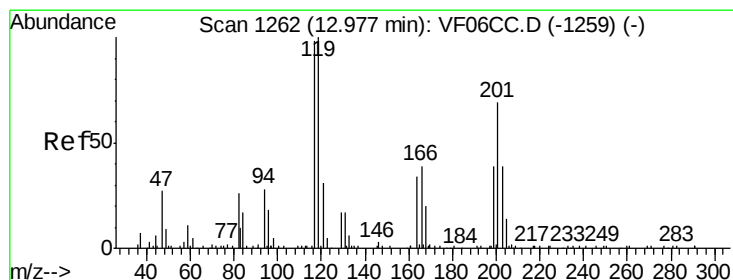
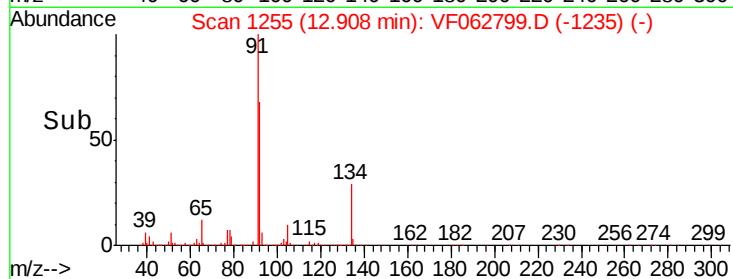
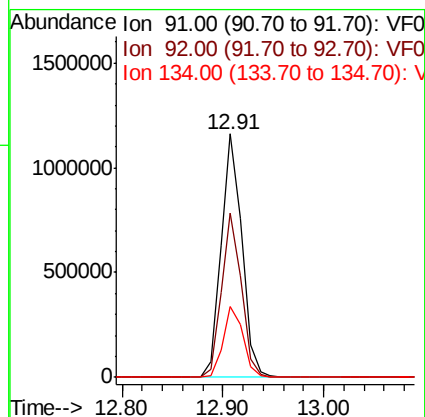
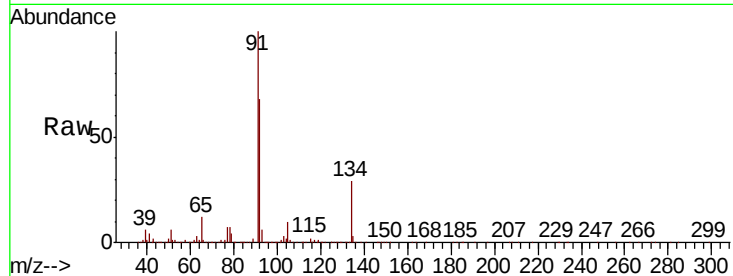




#89
n-Butylbenzene
Concen: 46.294 ug/l
RT: 12.91 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VF062799.D
Acq: 30 May 2019 17:28

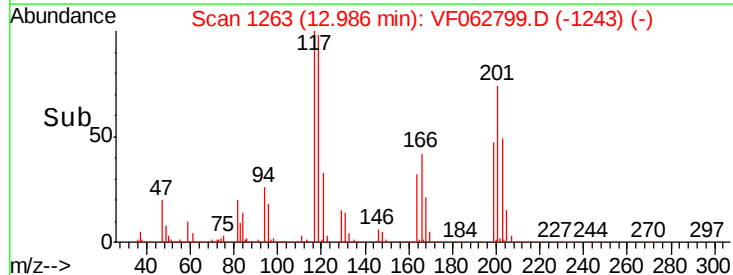
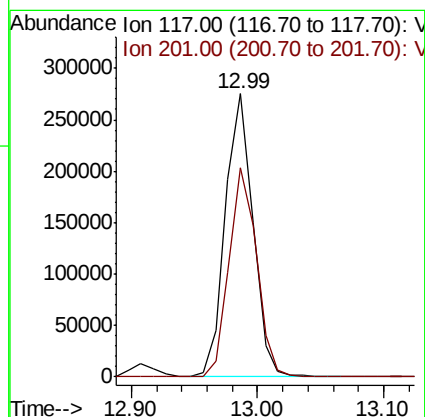
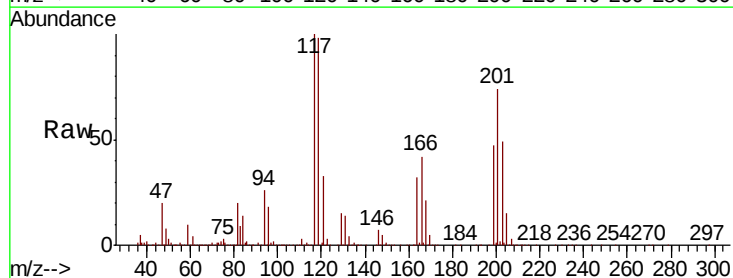
Instrument :
MSVOA_F
ClientSampleId :

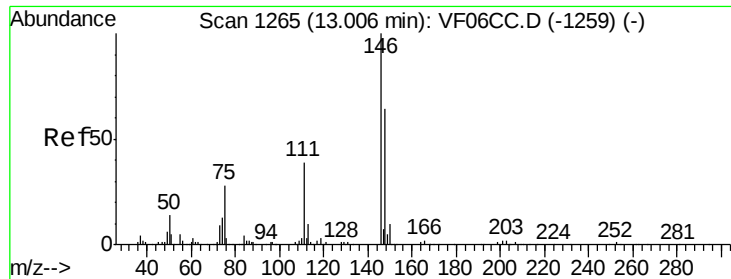
Tot Ion: 91 Resp: 1674151
Ion Ratio Lower Upper
91 100
92 67.6 34.2 102.6
134 29.1 15.8 47.3



#90
Hexachloroethane
Concen: 47.507 ug/l
RT: 12.99 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VF062799.D
Acq: 30 May 2019 17:28

Tgt Ion: 117 Resp: 416550
Ion Ratio Lower Upper
117 100
201 75.5 38.9 116.7





#91

1,2-Dichlorobenzene

Concen: 46.613 ug/l

RT: 13.01 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VF062799.D

Acq: 30 May 2019 17:28

Instrument :

MSVOA_F

ClientSampleId :

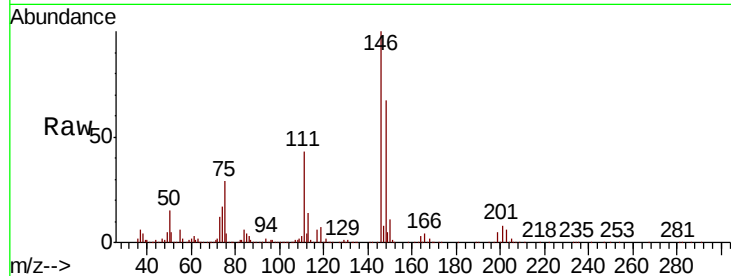
Tot Ion:146 Resp: 734375

Ion Ratio Lower Upper

146 100

111 43.0 20.4 61.3

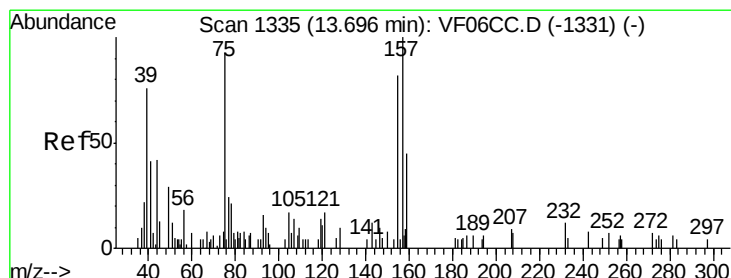
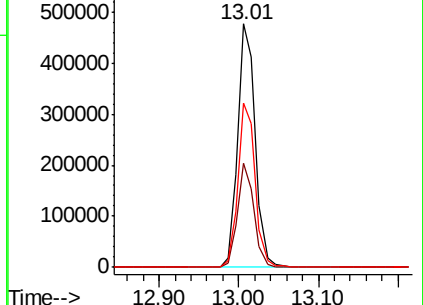
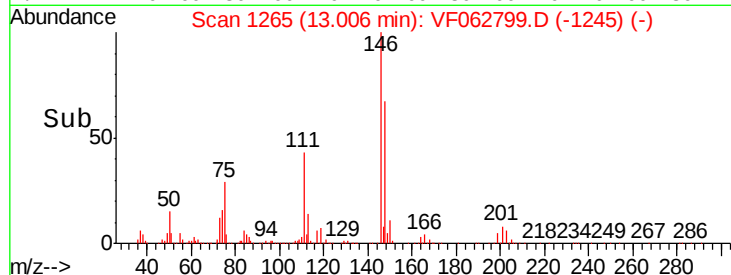
148 67.3 34.1 102.3



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: 45.485 ug/l

RT: 13.70 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VF062799.D

Acq: 30 May 2019 17:28

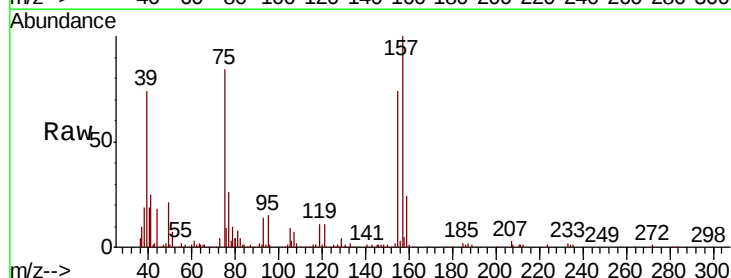
Tgt Ion: 75 Resp: 42806

Ion Ratio Lower Upper

75 100

155 87.9 51.7 155.1

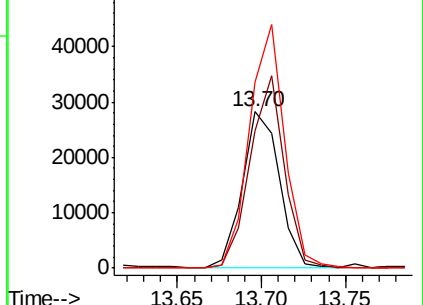
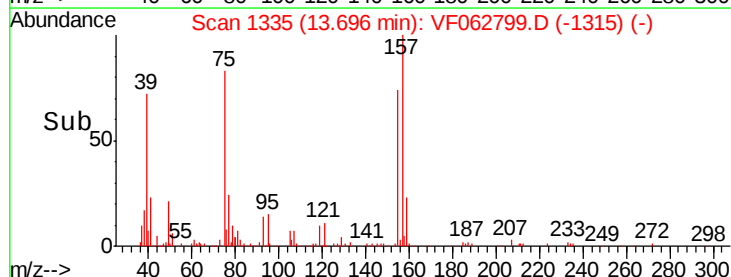
157 119.2 66.8 200.6

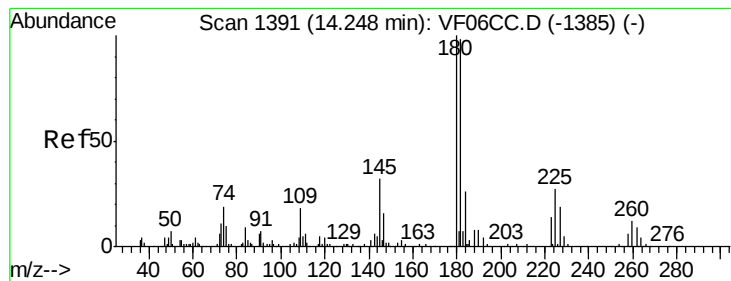


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#93

1,2,4-Trichlorobenzene

Concen: 48.894 ug/l

RT: 14.25 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VF062799.D

Acq: 30 May 2019 17:28

Instrument :

MSVOA_F

ClientSampleId :

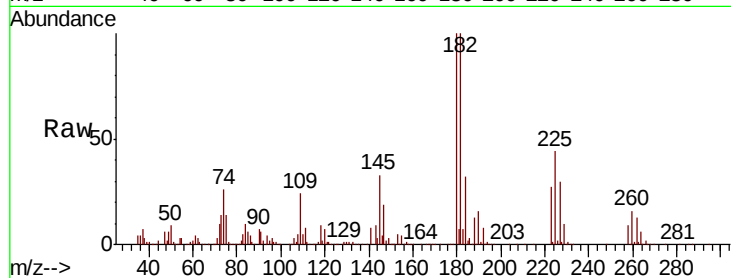
Tot Ion:180 Resp: 528898

Ion Ratio Lower Upper

180 100

182 100.3 50.3 150.9

145 32.7 15.4 46.2

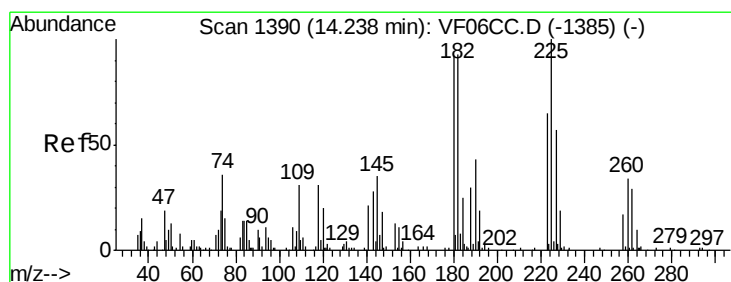
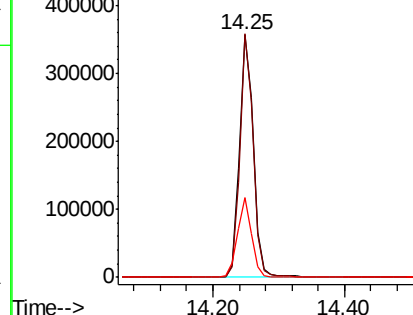
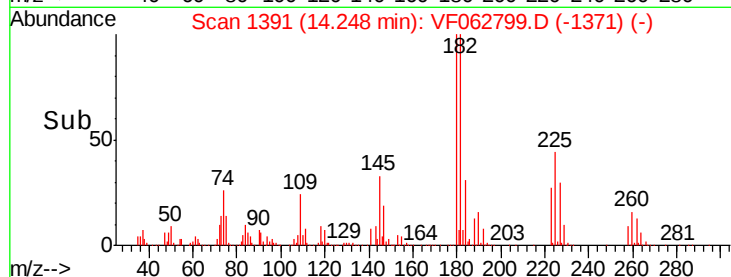


Abundance

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



#94

Hexachlorobutadiene

Concen: 48.670 ug/l

RT: 14.24 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VF062799.D

Acq: 30 May 2019 17:28

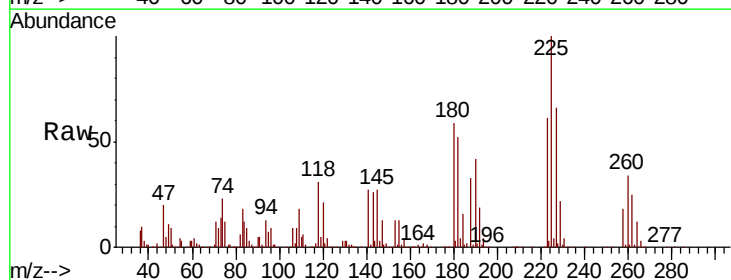
Tgt Ion:225 Resp: 364221

Ion Ratio Lower Upper

225 100

223 60.7 30.8 92.4

227 66.1 31.9 95.5

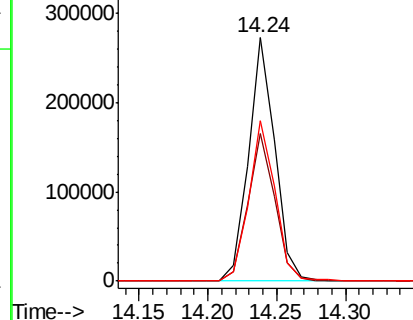
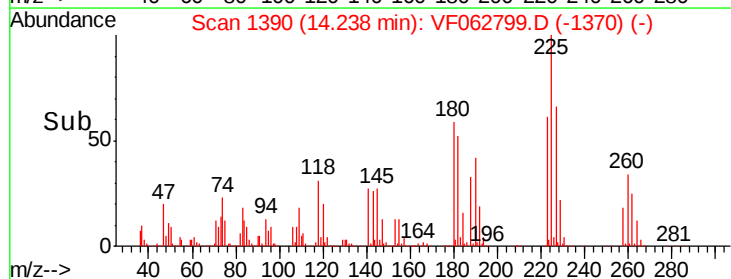


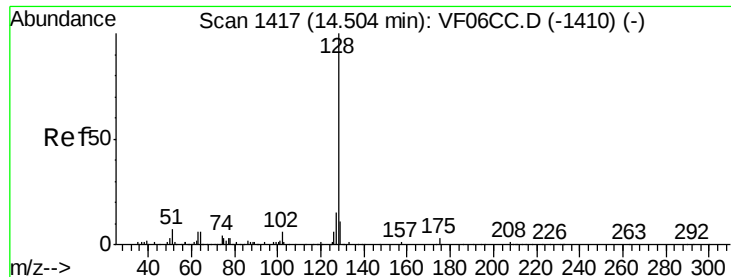
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

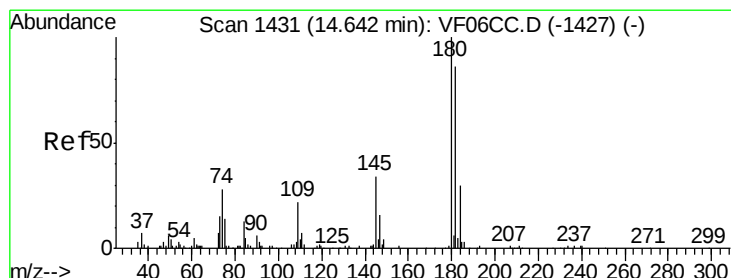
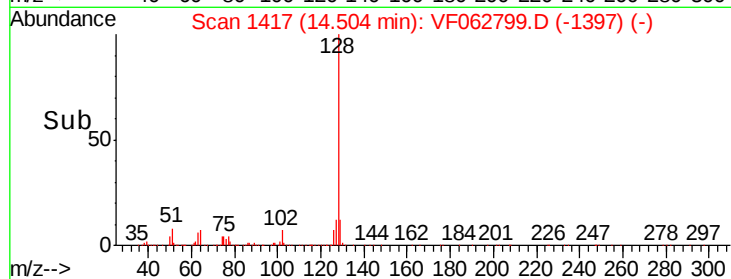
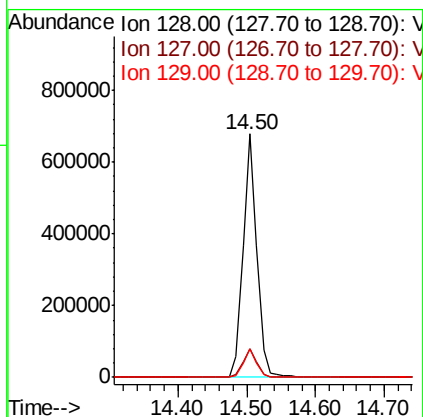
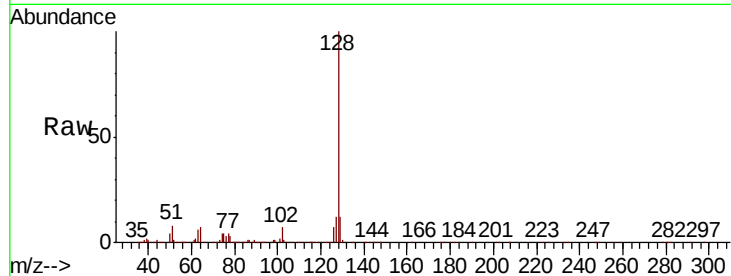




#95
Naphthalene
Concen: 53.229 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. -0.00 min
Lab File: VF062799.D
Acq: 30 May 2019 17:28

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.7	9.7	14.5
129	11.6	9.4	14.2



#96
1,2,3-Trichlorobenzene
Concen: 49.995 ug/l
RT: 14.65 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VF062799.D
Acq: 30 May 2019 17:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.1	48.6	145.9
145	29.1	15.7	47.0

