

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 : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV053019

Quant Time: May 31 05:46:08 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	342732	50.59	ug/l	0.00
Spiked Amount			Recovery	=	101.18%	
35) Dibromofluoromethane	4.33	113	626101	51.06	ug/l	0.00
Spiked Amount			Recovery	=	102.12%	
50) Toluene-d8	7.73	98	1582476	51.03	ug/l	0.00
Spiked Amount			Recovery	=	102.06%	
62) 4-Bromofluorobenzene	11.51	95	577720	51.79	ug/l	0.00
Spiked Amount			Recovery	=	103.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	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	114856m	42.392	ug/l	
19) Methyl tert-butyl Ether	2.57	73	695065	47.127	ug/l	98
20) Methylene Chloride	2.35	84	382217m	49.180	ug/l	
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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 Response via : Initial Calibration

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	113191m	46.693	ug/l	
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

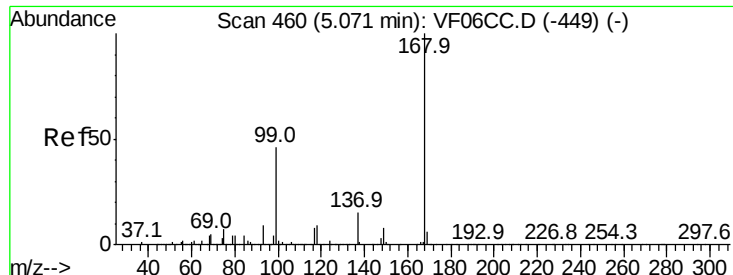
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QLast Update : Fri May 31 04:18:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	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



#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 :

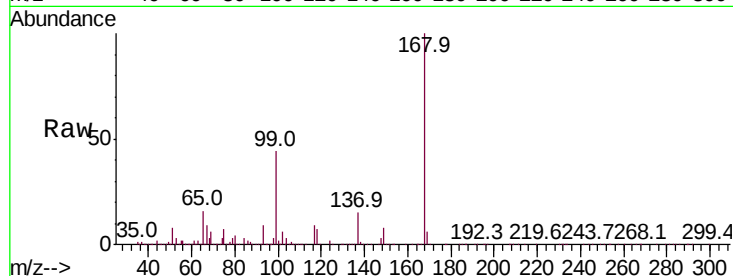
ICVVF053019

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

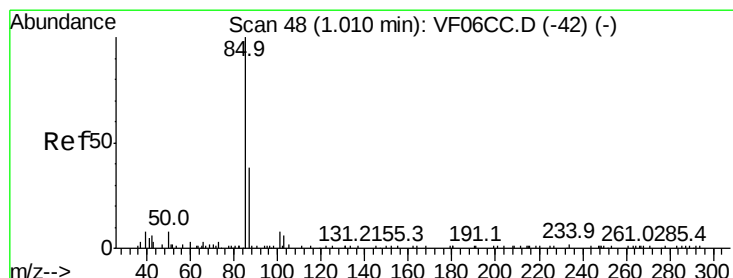
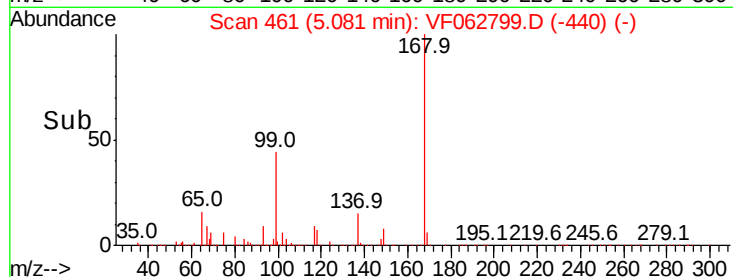
300000

200000

100000

0

Time--> 4.90 5.00 5.10 5.20 5.30



#2

Dichlorodifluoromethane

Concen: 45.233 ug/l

RT: 1.01 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062799.D

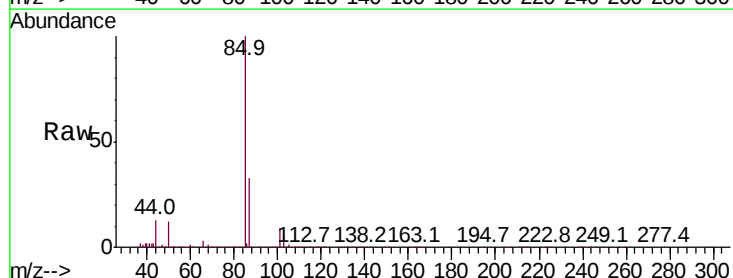
Acq: 30 May 2019 17:28

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

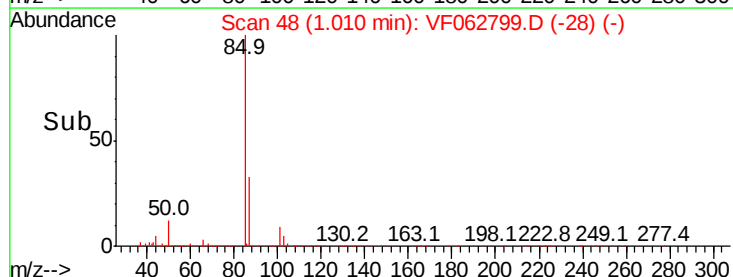
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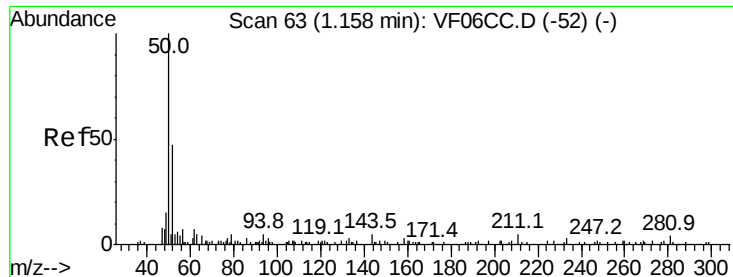
100000

50000

0

Time--> 0.90 1.00 1.10 1.20





#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 :

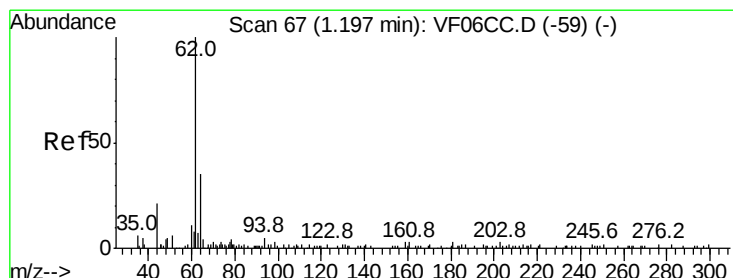
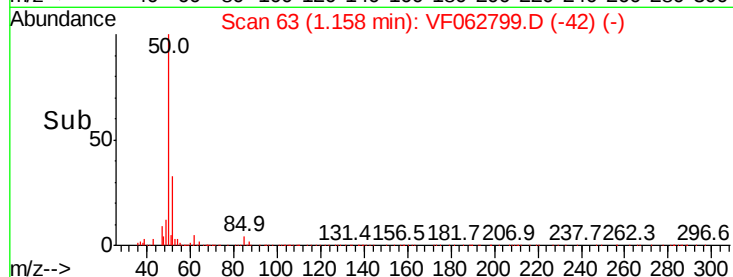
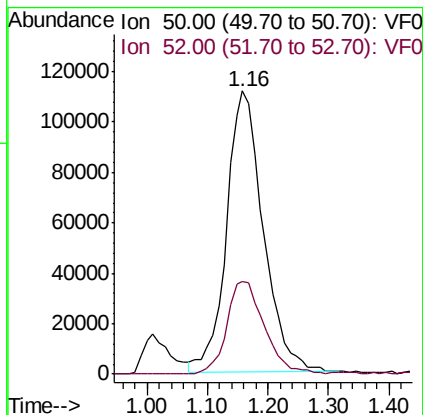
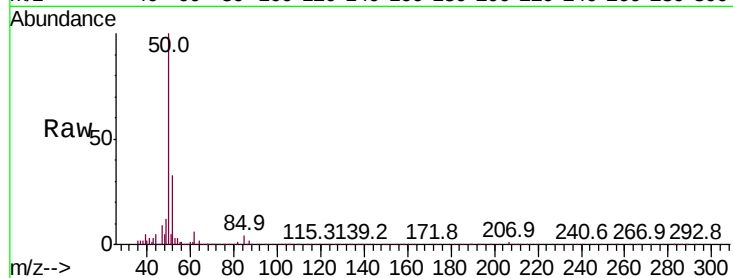
ICVVF053019

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

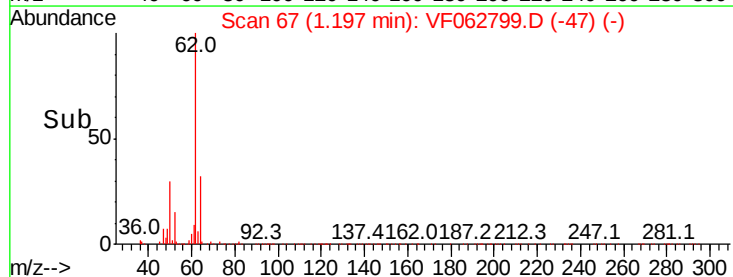
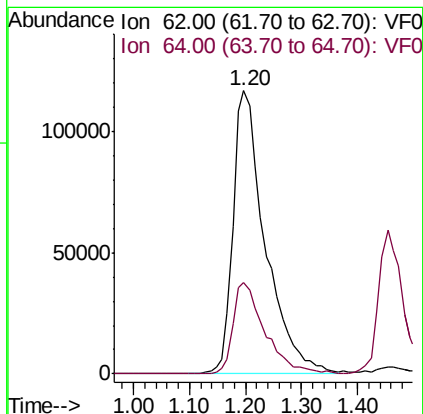
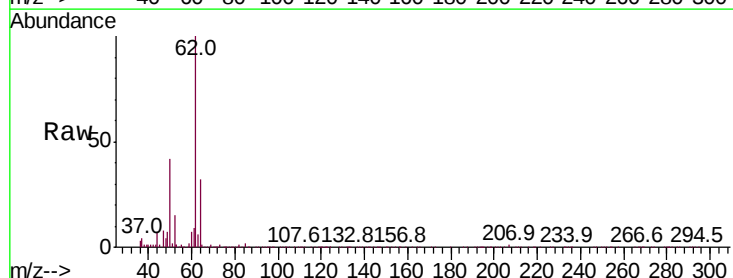
Acq: 30 May 2019 17:28

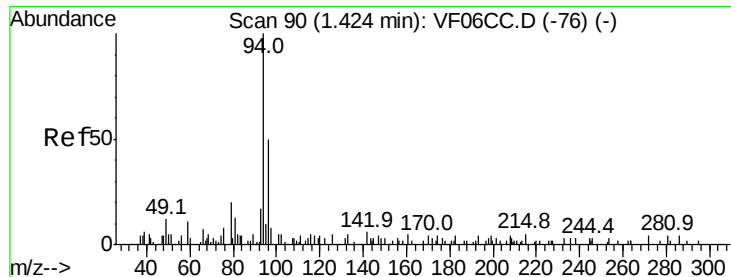
Tgt Ion: 62 Resp: 466022

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 :

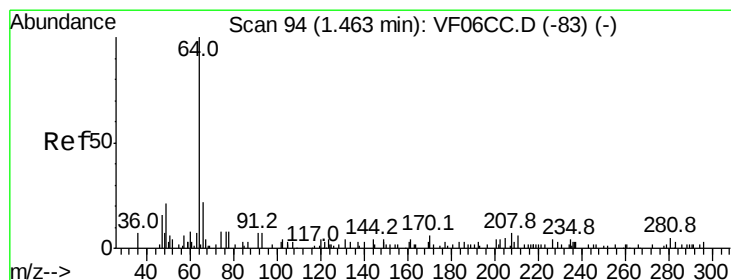
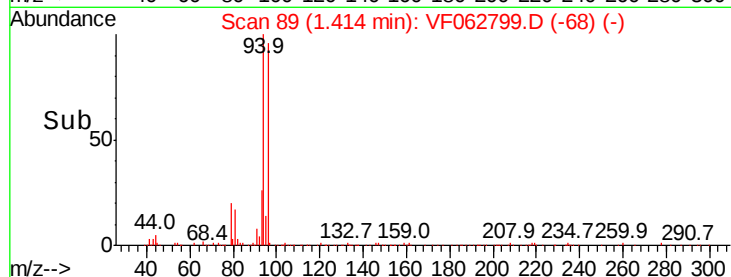
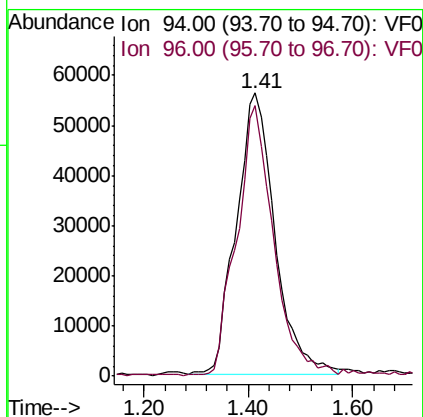
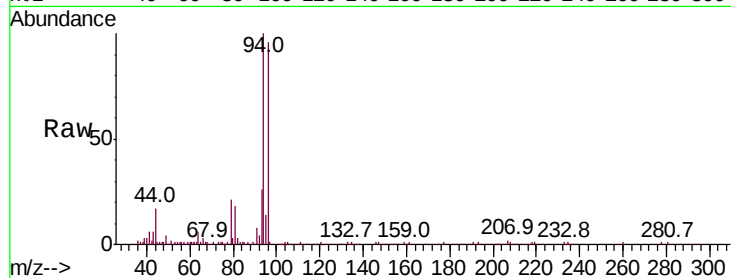
ICVVF053019

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

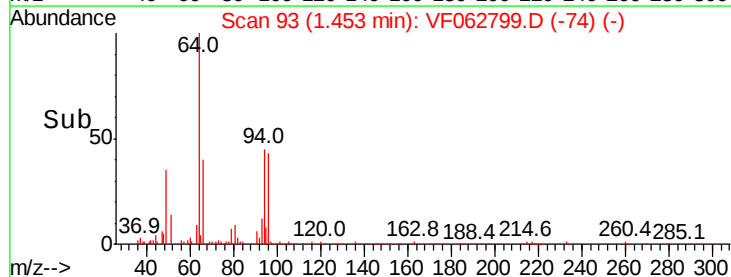
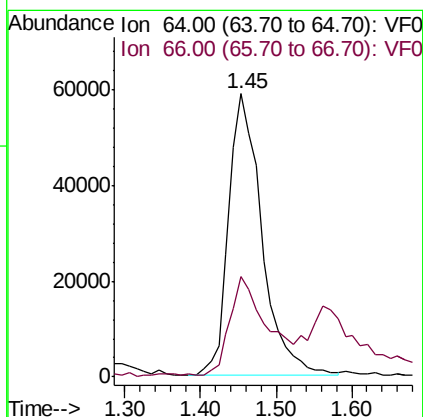
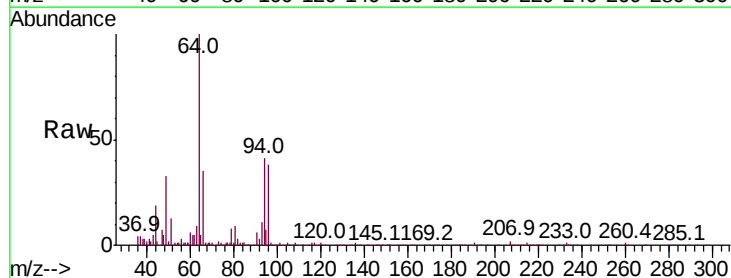
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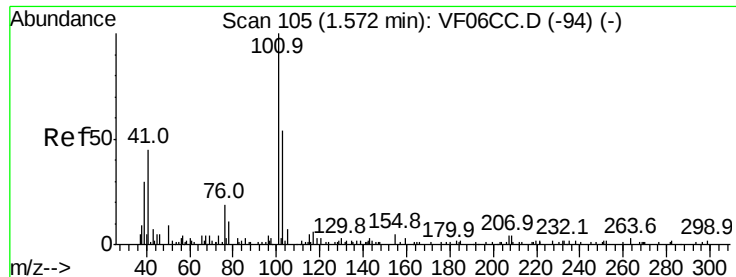
Tgt Ion: 64 Resp: 180267

Ion Ratio Lower Upper

64 100

66 35.4 31.0 46.4



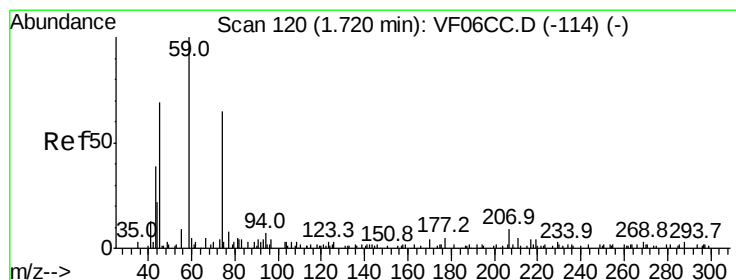
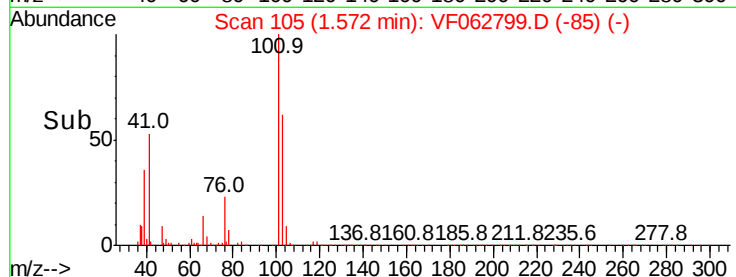
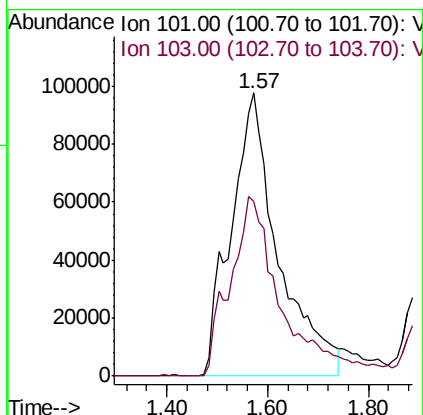
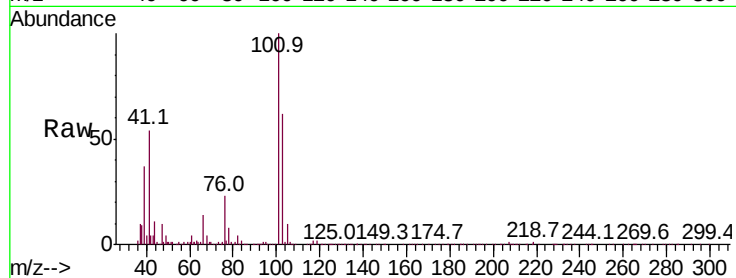


#7

Trichlorofluoromethane
Concen: 44.697 ug/l
RT: 1.57 min Scan# 105
Delta R.T. -0.00 min
Lab File: VF062799.D
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Instrument :
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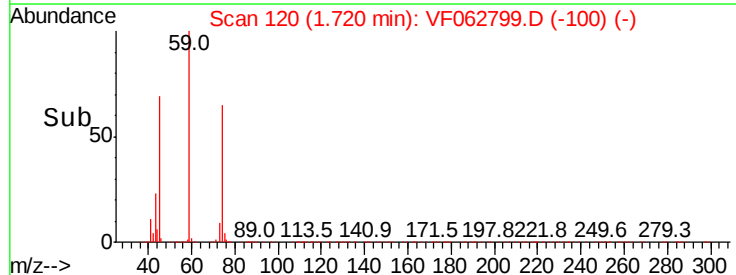
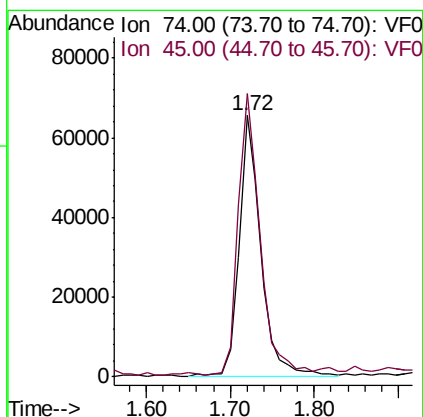
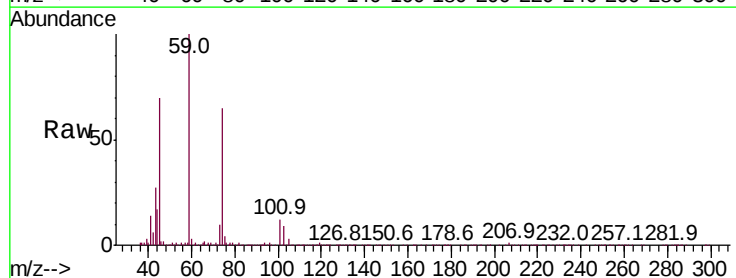
Tot Ion:101 Resp: 637352
Ion Ratio Lower Upper
101 100
103 61.9 54.6 82.0

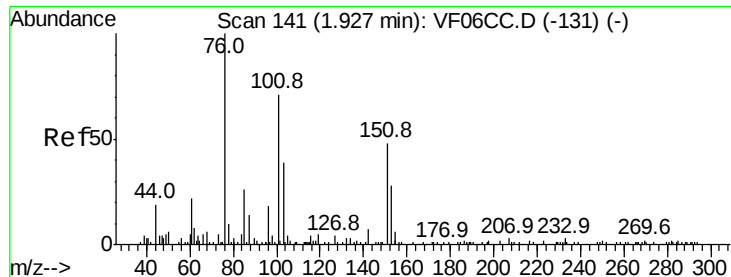


#8

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 :

ICVVF053019

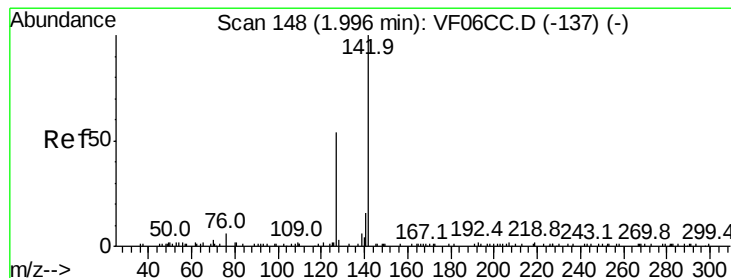
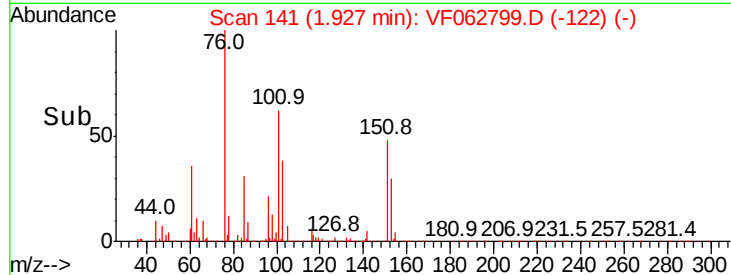
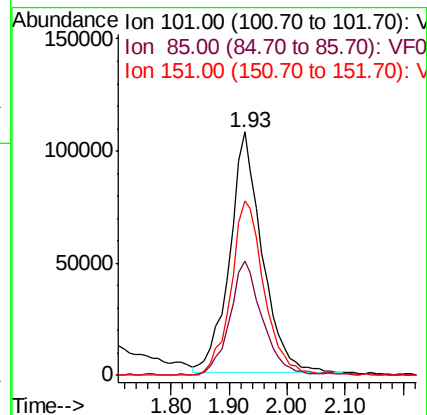
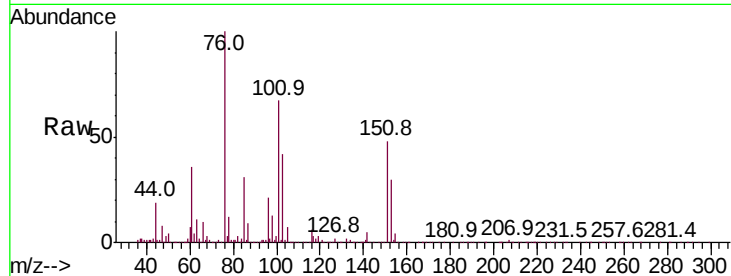
Tot Ion:101 Resp: 415444

Ion Ratio Lower Upper

101 100

85 46.7 37.1 55.7

151 71.8 60.3 90.5



#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

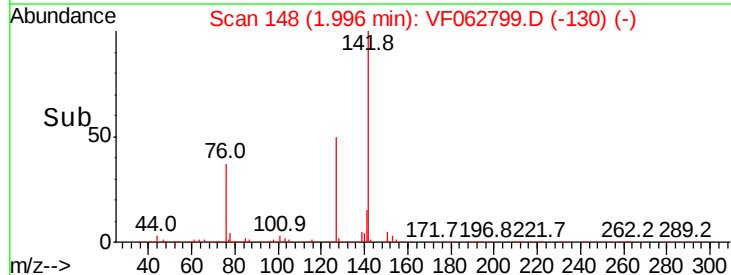
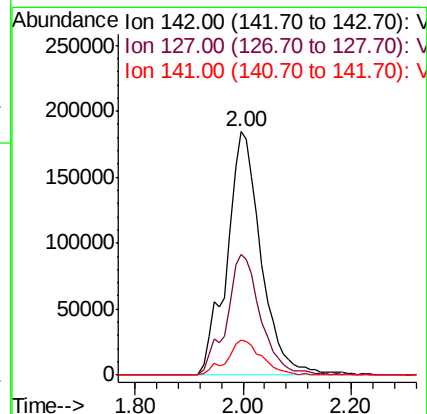
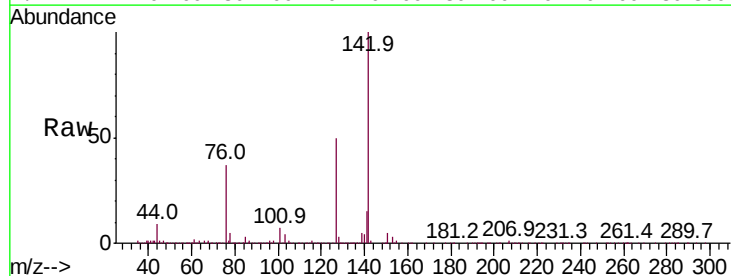
Tgt Ion:142 Resp: 812429

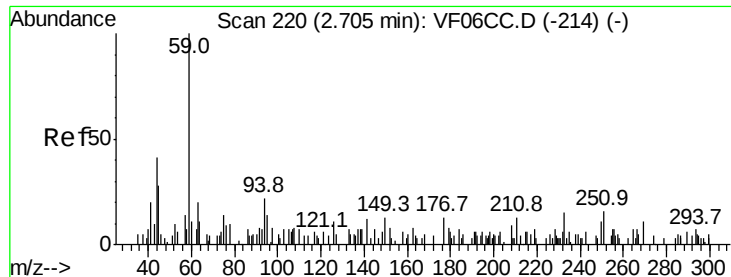
Ion Ratio Lower Upper

142 100

127 49.6 39.4 59.2

141 14.6 10.6 15.8



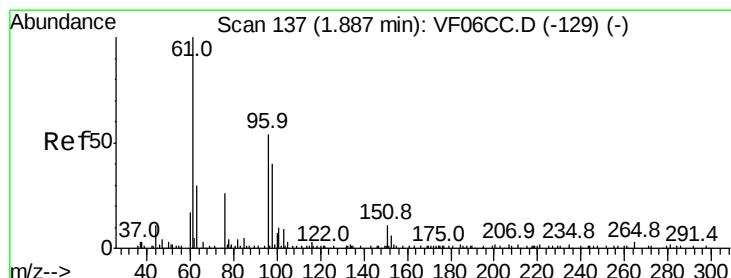
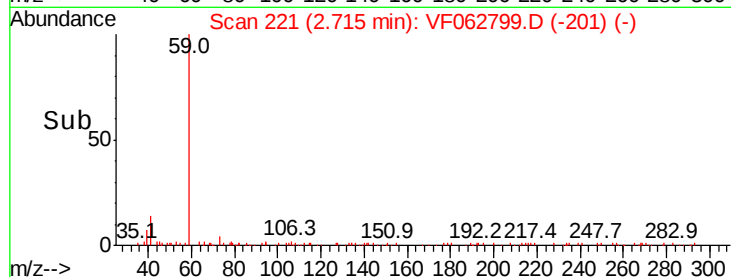
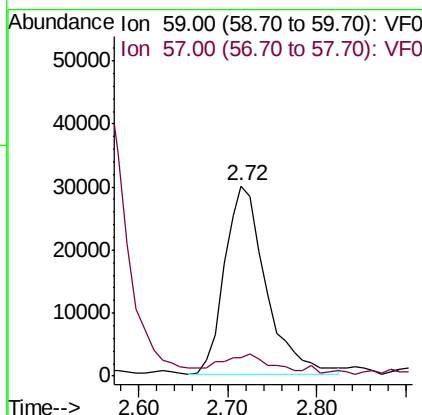
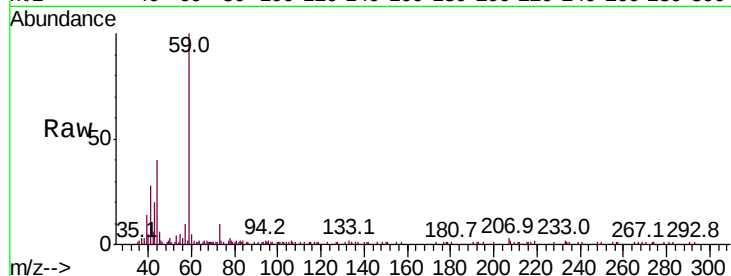


#11

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
ClientSampleId :
ICVVF053019

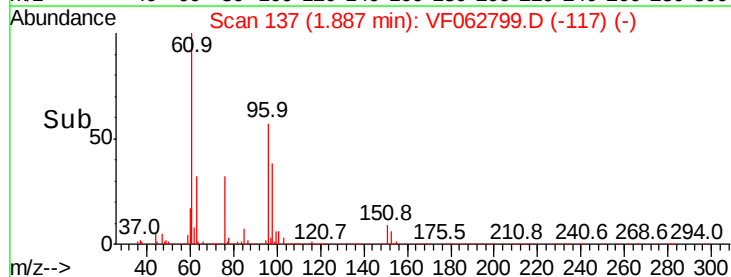
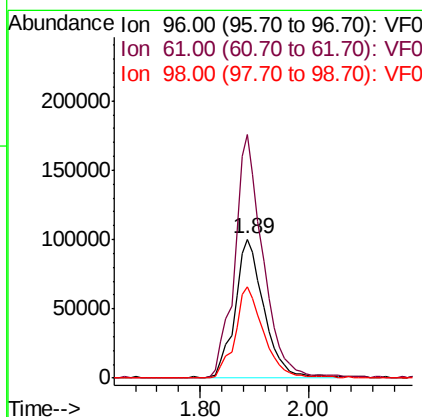
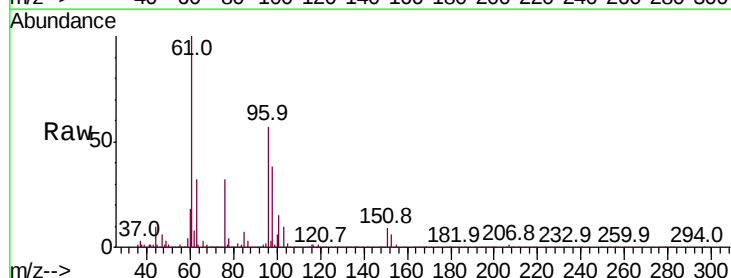
Tot Ion: 59 Resp: 96277
Ion Ratio Lower Upper
59 100
57 9.8 9.2 13.8

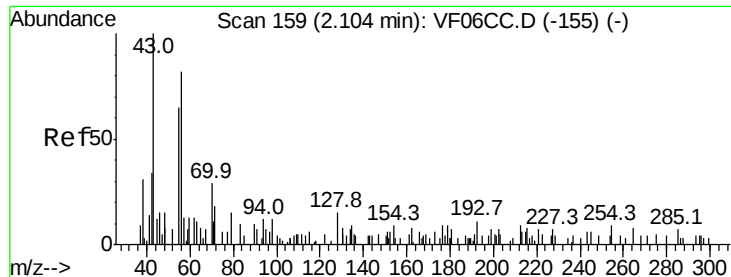


#12

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 :

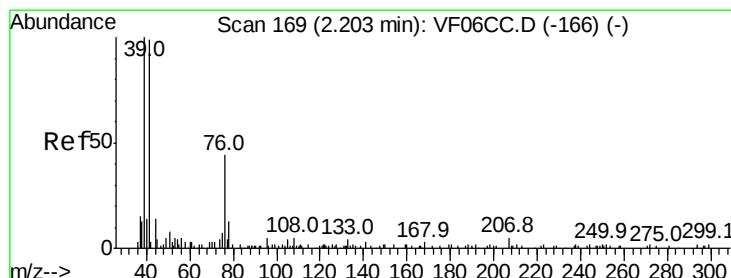
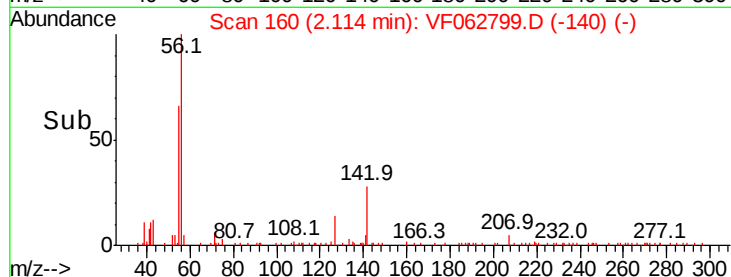
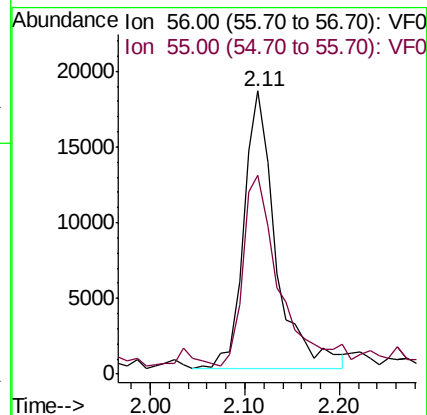
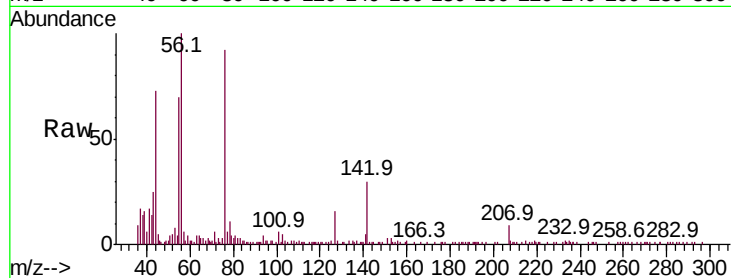
ICVVF053019

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

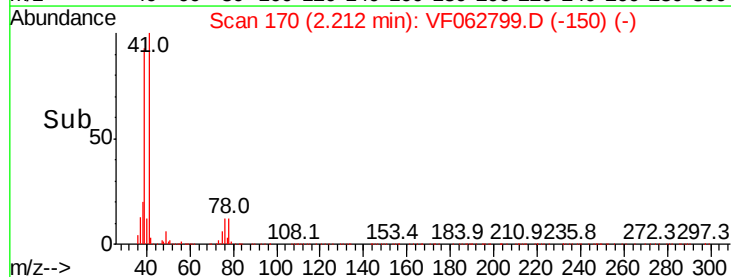
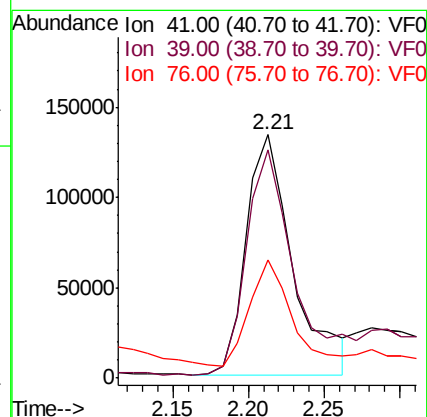
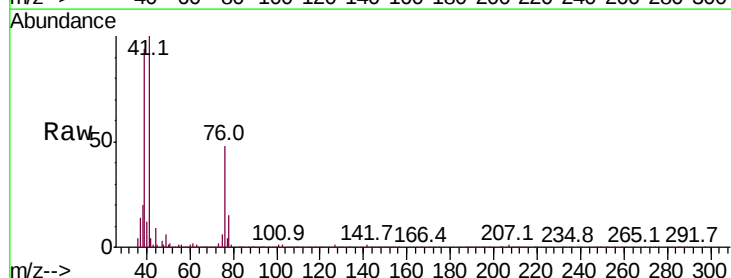
Tgt Ion: 41 Resp: 286280

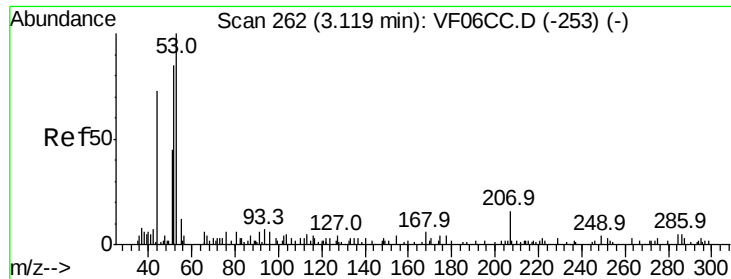
Ion Ratio Lower Upper

41 100

39 93.6 71.9 107.9

76 48.4 39.6 59.4

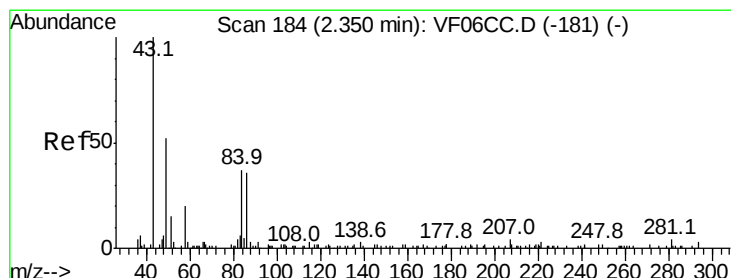
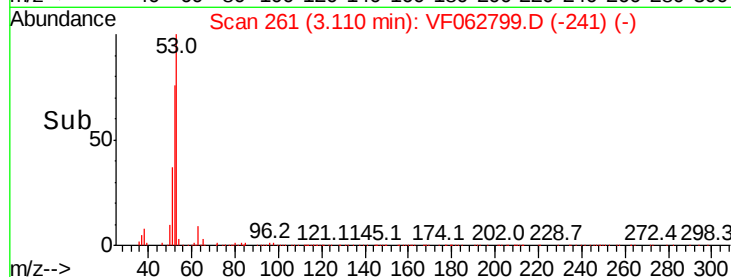
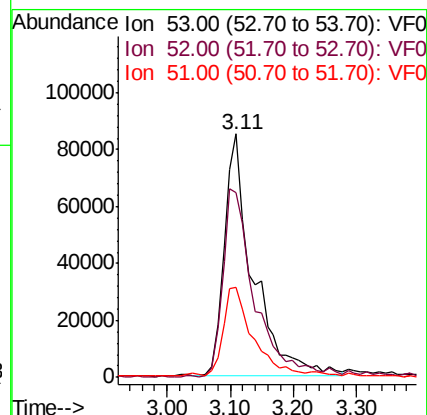
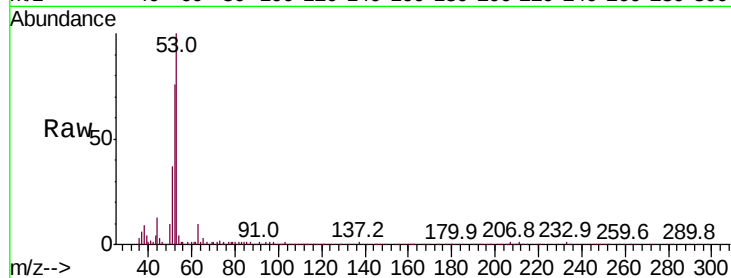




#15
 Acrylonitrile
 Concen: 176.680 ug/l
 RT: 3.11 min Scan# 261
 Delta R.T. -0.00 min
 Lab File: VF062799.D
 Acq: 30 May 2019 17:28

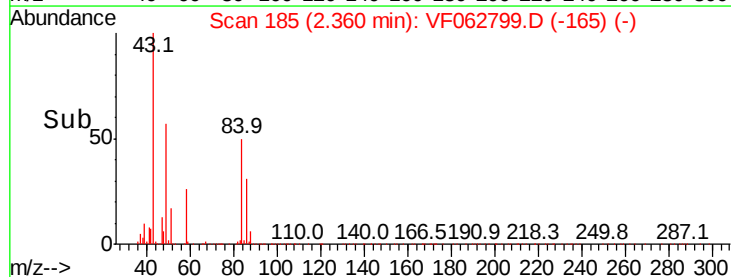
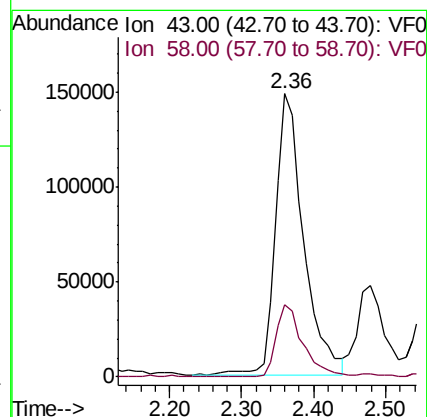
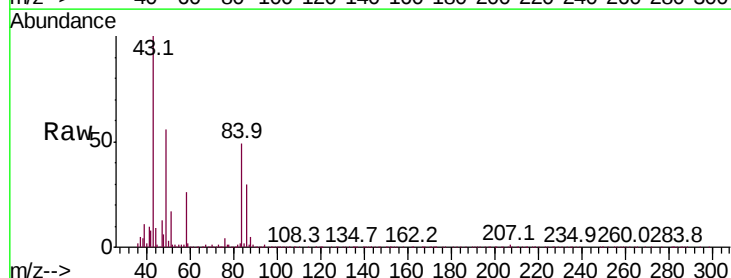
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF053019

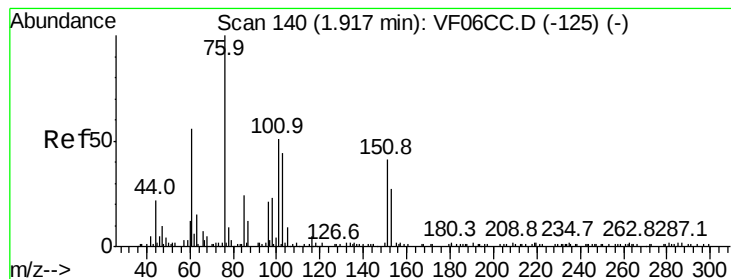
Tot Ion: 53 Resp: 272440
 Ion Ratio Lower Upper
 53 100
 52 75.9 68.1 102.1
 51 37.0 27.7 41.5



#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

ClientSampleId :

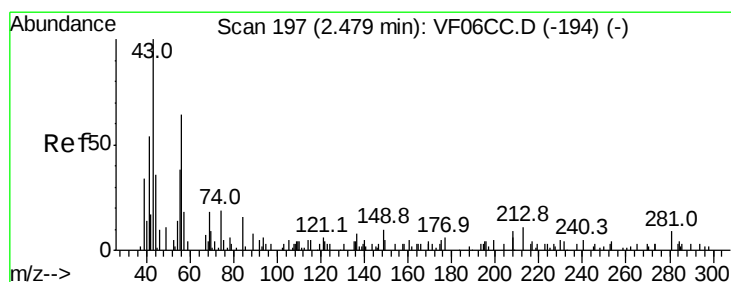
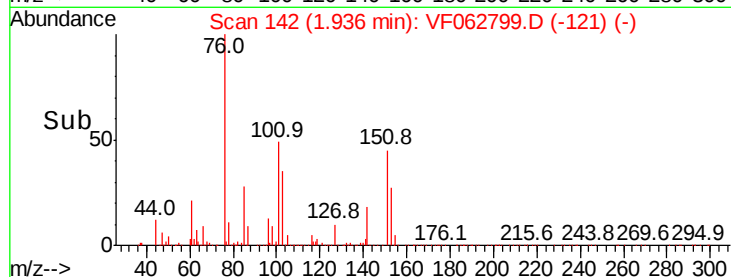
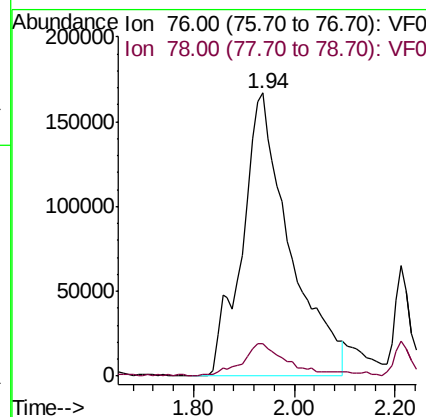
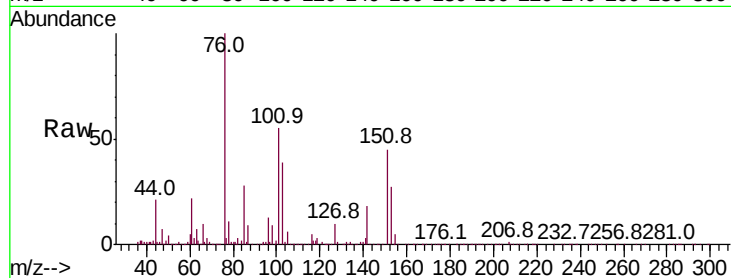
ICVVF053019

Tot Ion: 76 Resp: 1098020

Ion Ratio Lower Upper

76 100

78 11.4 9.4 14.2



#18

Methyl Acetate

Concen: 42.392 ug/l m

RT: 2.48 min Scan# 197

Delta R.T. -0.00 min

Lab File: VF062799.D

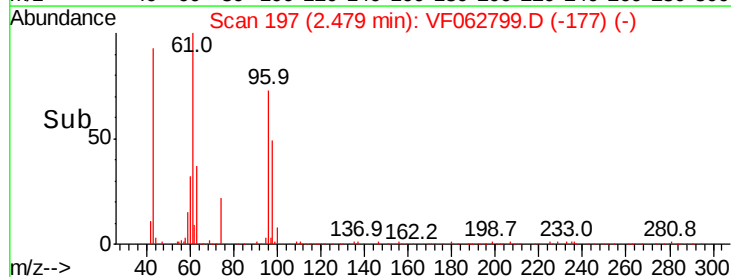
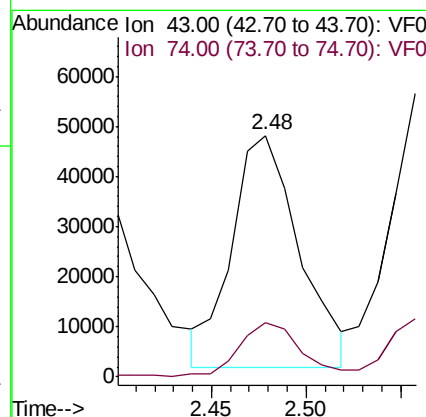
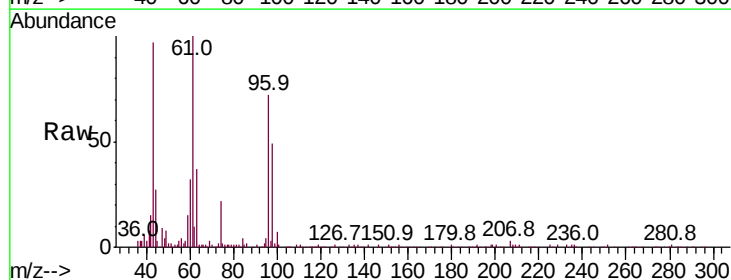
Acq: 30 May 2019 17:28

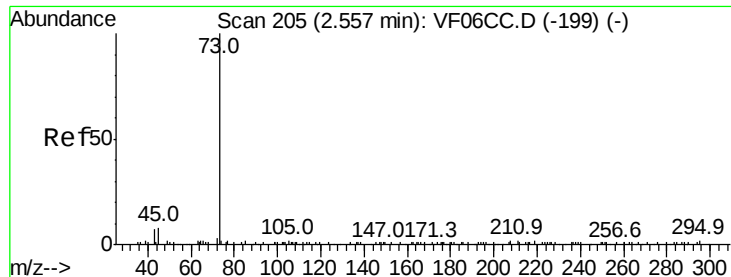
Tgt Ion: 43 Resp: 114856

Ion Ratio Lower Upper

43 100

74 22.7 22.1 33.1



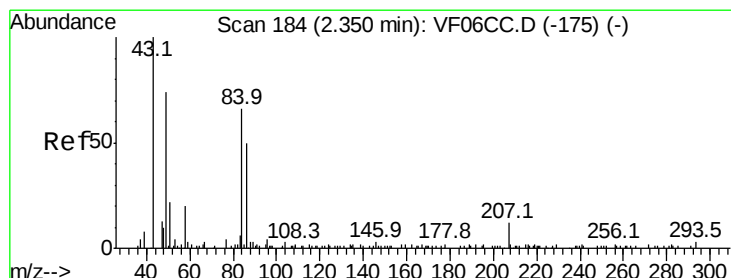
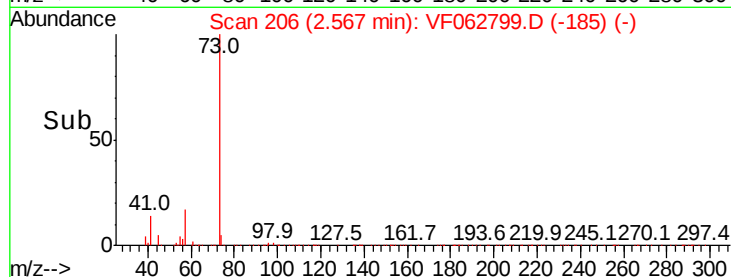
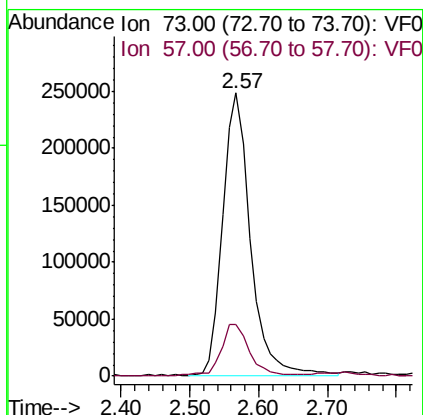
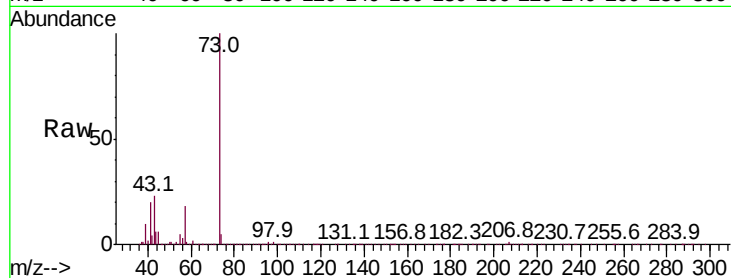


#19

Methyl tert-butyl 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
 ClientSampleId :
 ICVV053019

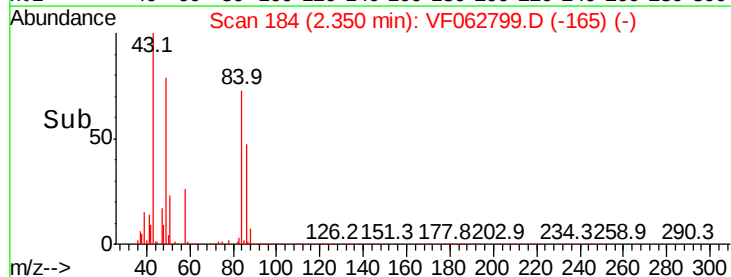
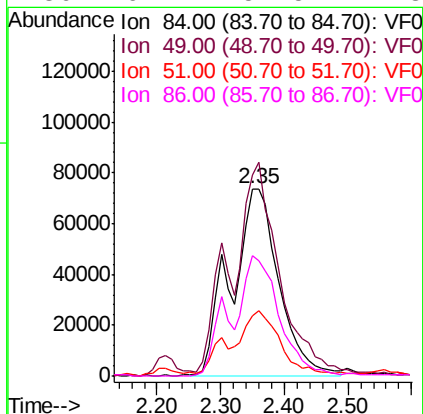
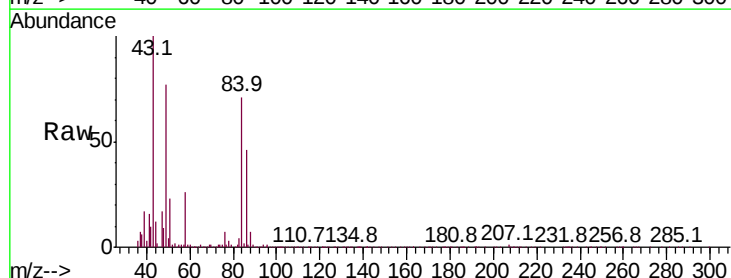
Tot Ion: 73 Resp: 695065
 Ion Ratio Lower Upper
 73 100
 57 18.1 15.1 22.7

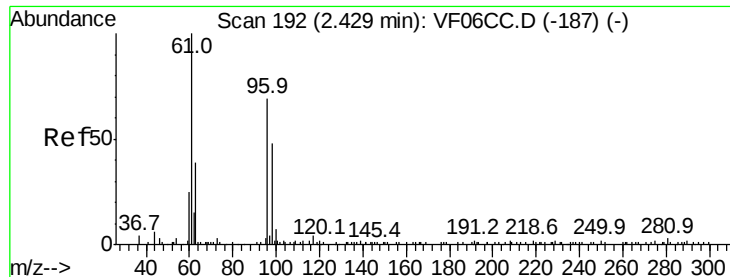


#20

Methylene Chloride
 Concen: 49.180 ug/l m
 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: 382217
 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 :

ICVVF053019

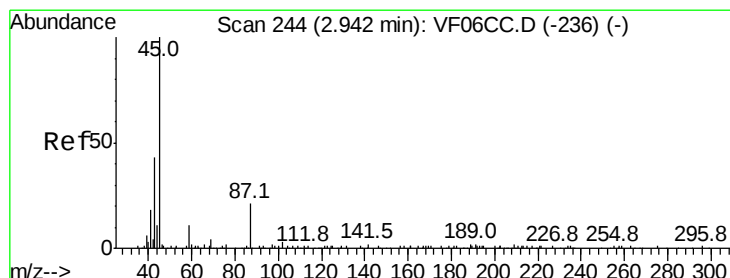
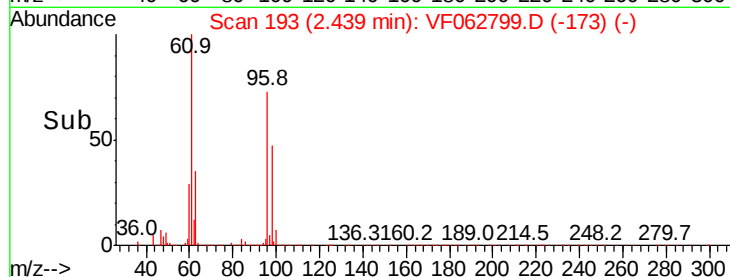
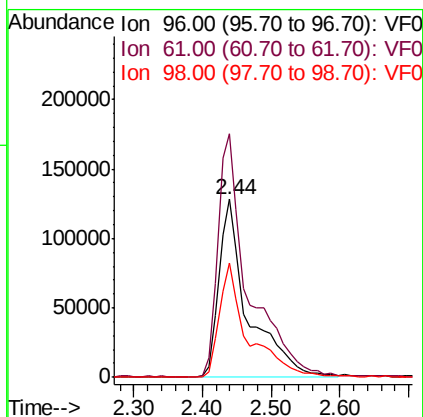
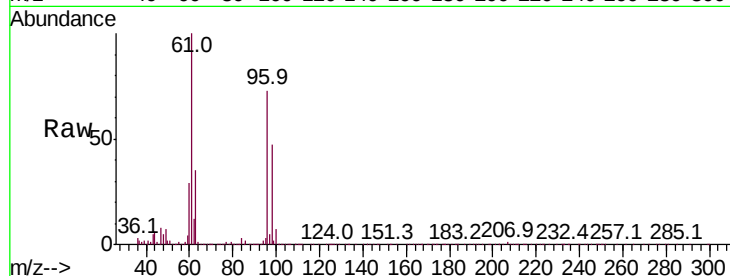
Tot Ion: 96 Resp: 373593

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

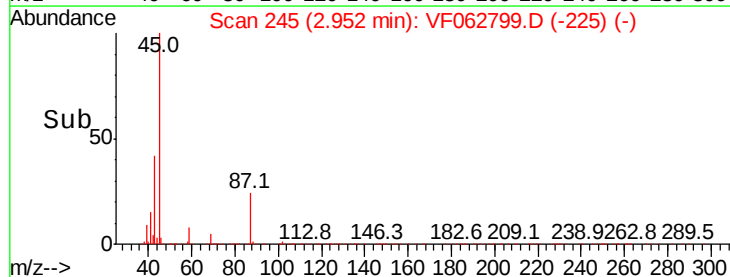
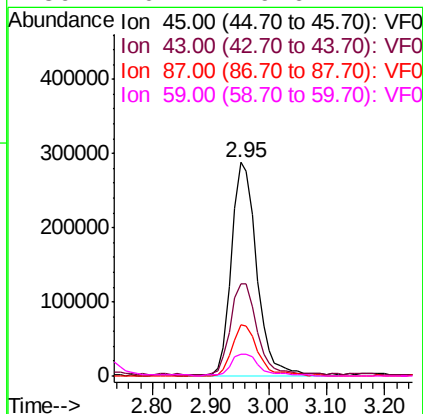
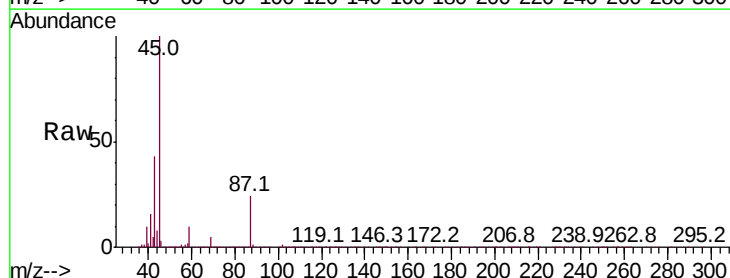
Ion Ratio Lower Upper

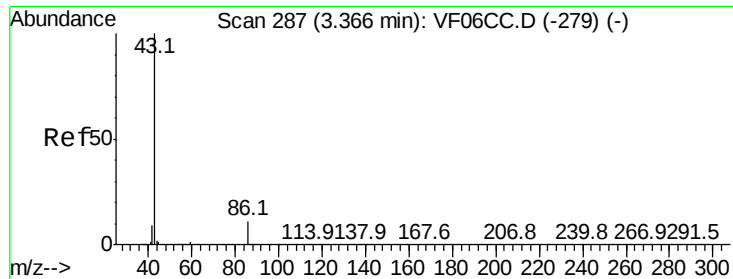
45 100

43 43.1 34.3 51.5

87 23.7 19.0 28.4

59 10.2 9.6 14.4

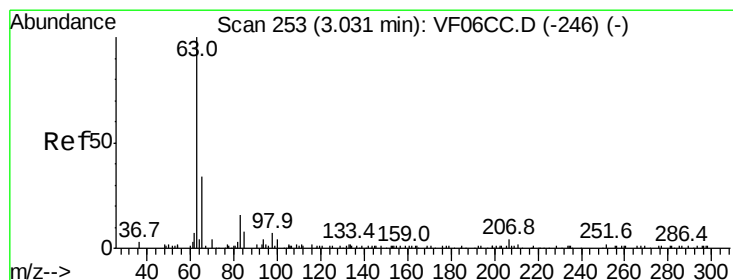
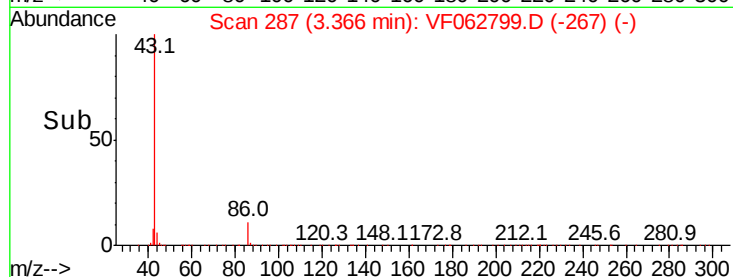
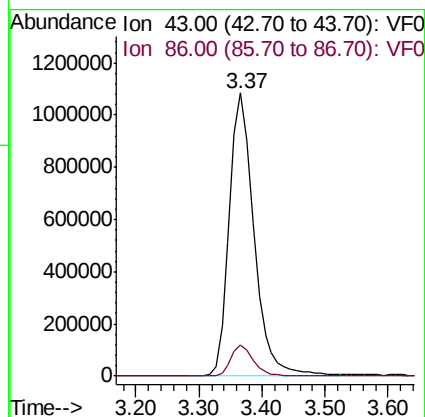
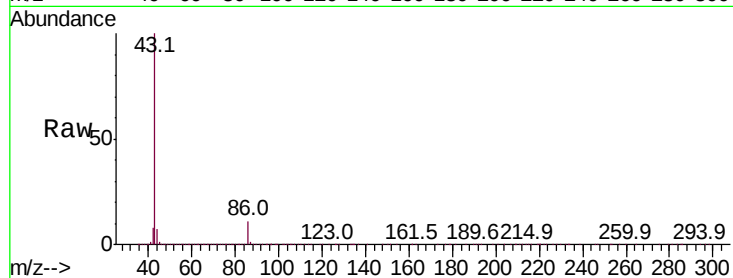




#23
 Vinyl Acetate
 Concen: 240.318 ug/l
 RT: 3.37 min Scan# 287
 Delta R.T. -0.00 min
 Lab File: VF062799.D
 Acq: 30 May 2019 17:28

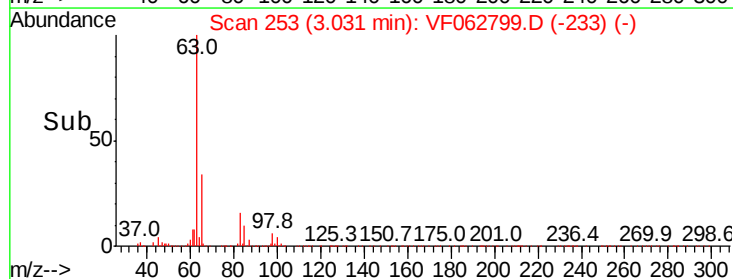
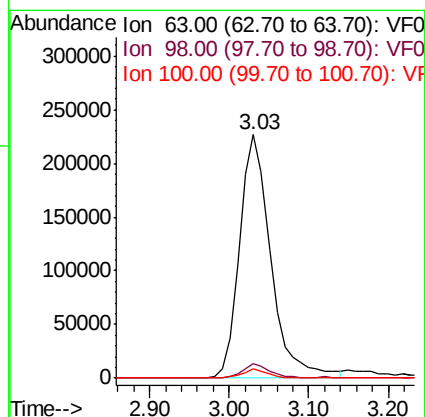
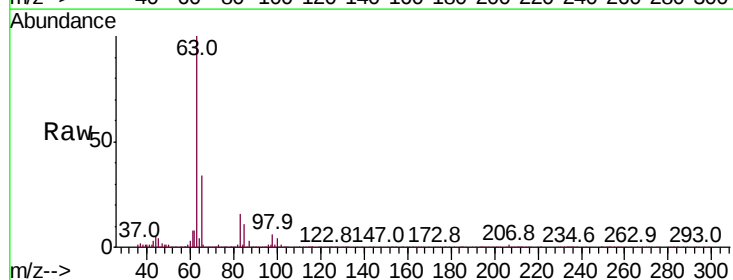
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF053019

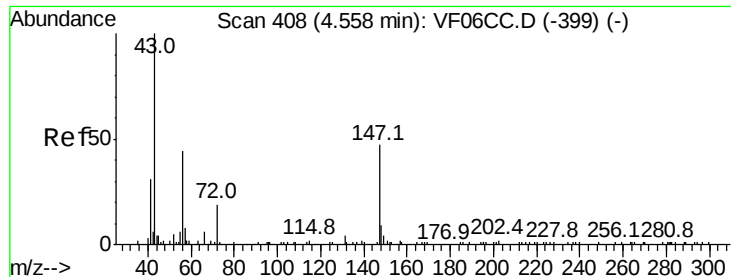
Tot Ion: 43 Resp: 2952020
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.2 12.2



#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

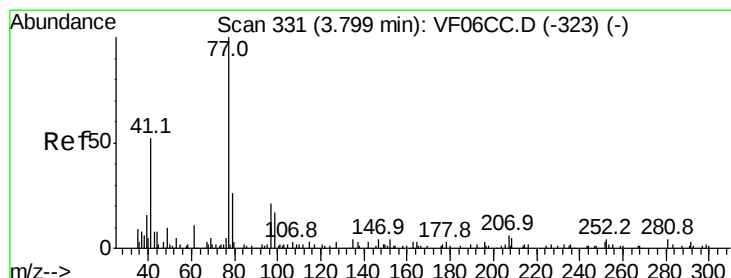
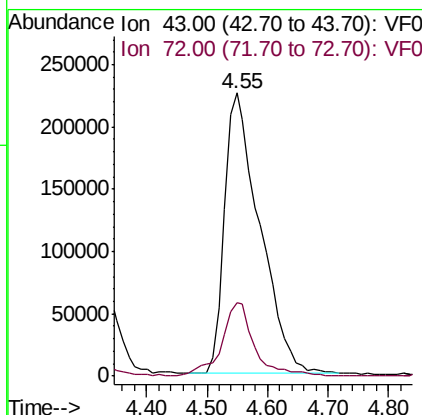
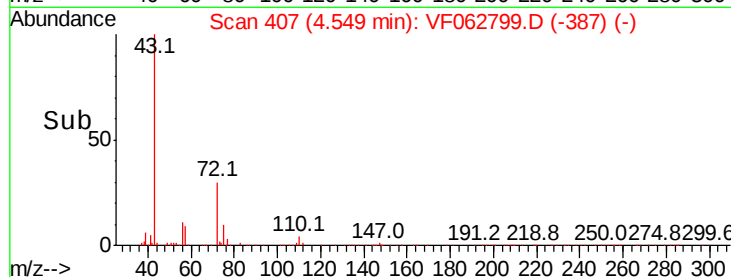
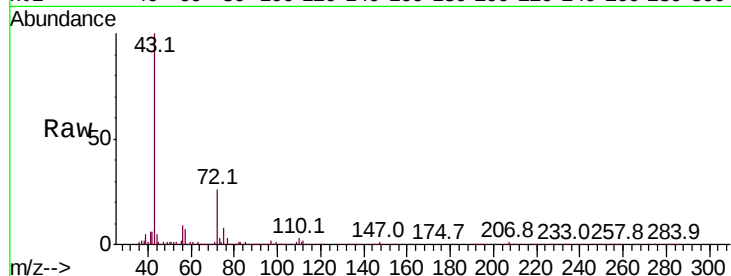




#25
2-Butanone
Concen: 251.952 ug/l
RT: 4.55 min Scan# 407
Delta R.T. -0.00 min
Lab File: VF062799.D
Acq: 30 May 2019 17:28

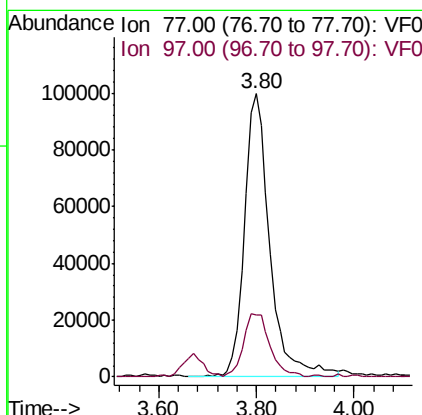
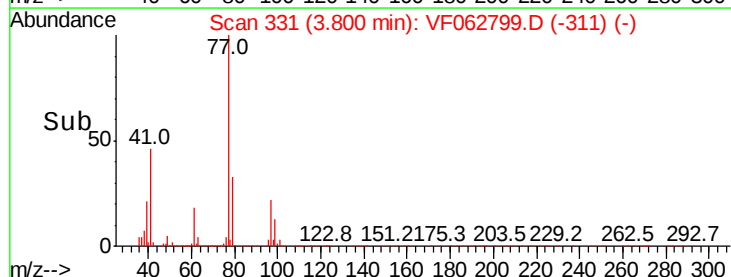
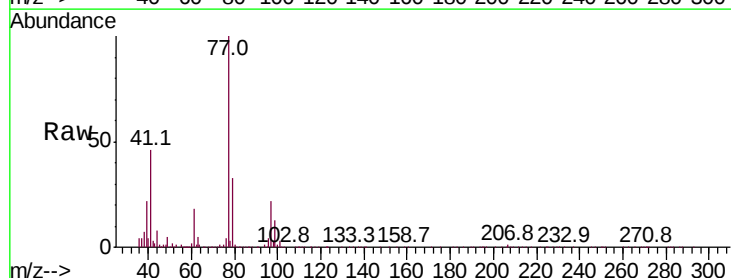
Instrument :
MSVOA_F
ClientSampleId :
ICVVF053019

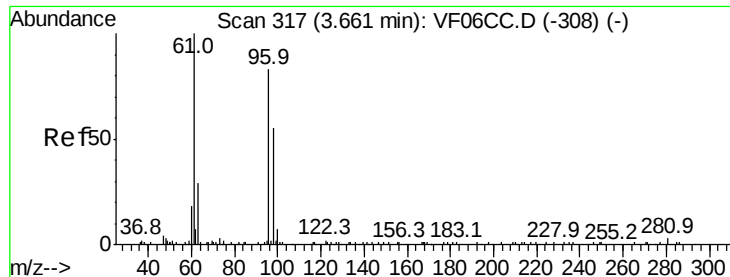
Tot Ion: 43 Resp: 909704
Ion Ratio Lower Upper
43 100
72 25.9 21.4 32.0



#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



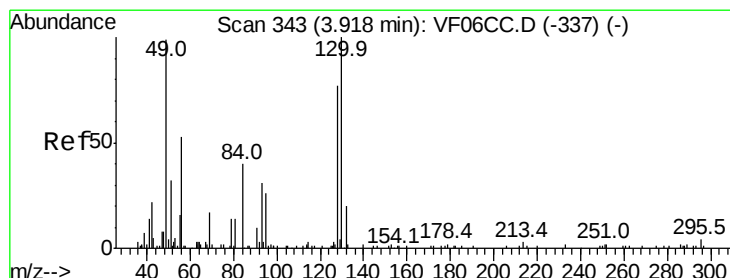
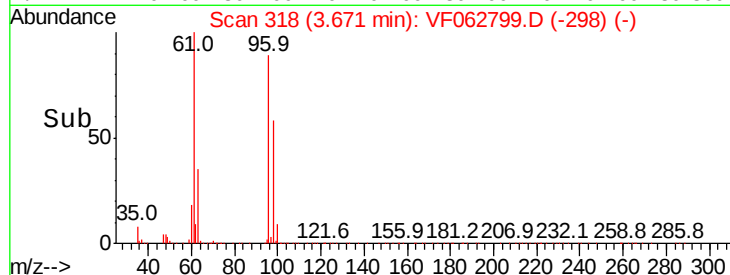
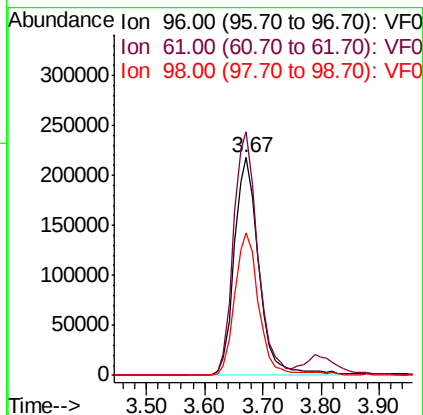
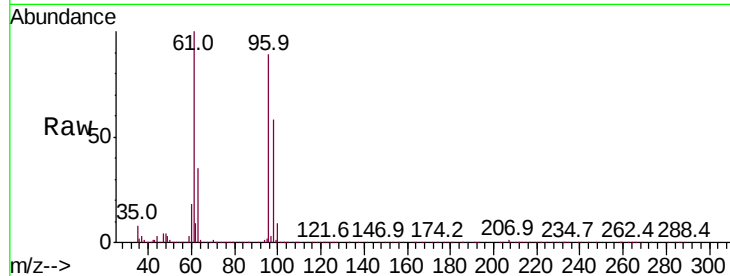


#27

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 :
ICVVF053019

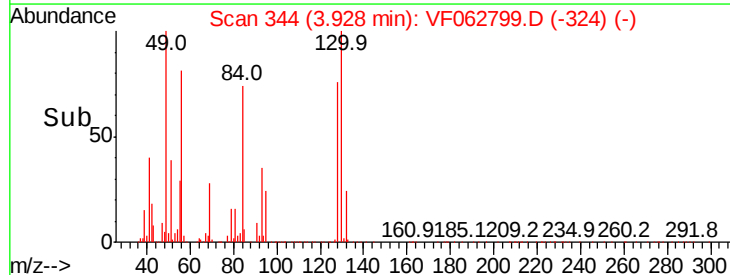
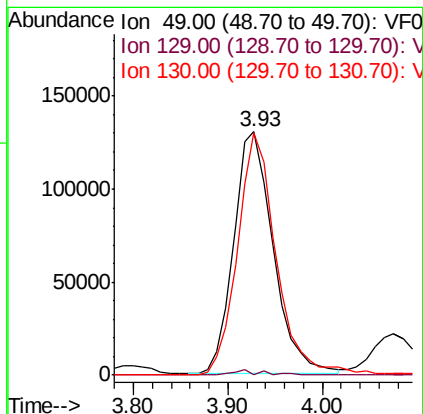
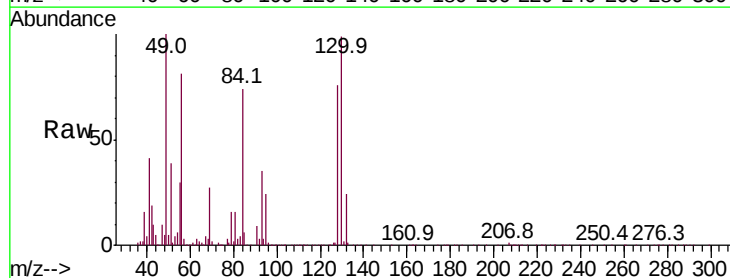
Tot Ion	Ratio	Lower	Upper
96	100		
61	111.8	0.0	213.8
98	65.2	0.0	127.0

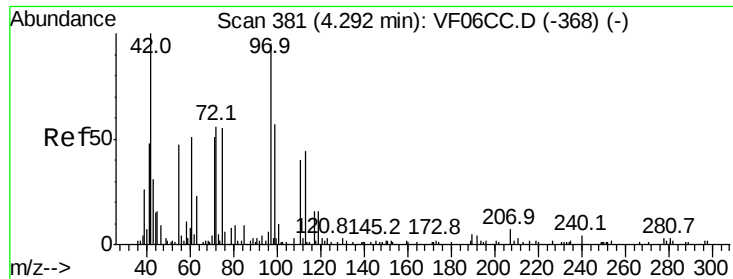


#28

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

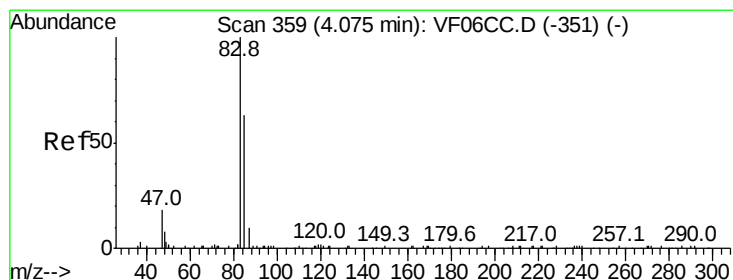
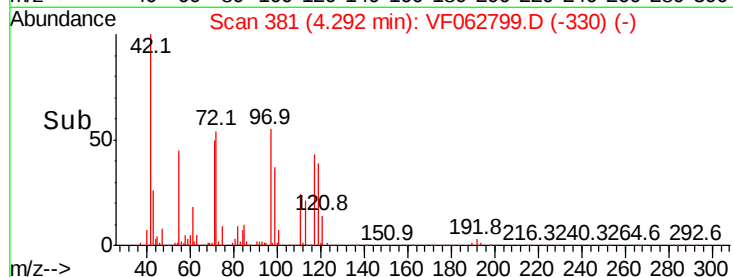
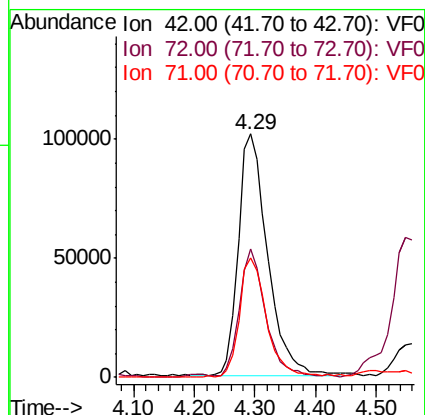
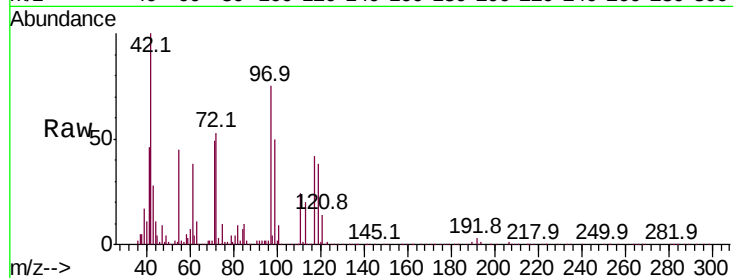




#29
Tetrahydrofuran
Concen: 248.511 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.00 min
Lab File: VF062799.D
Acq: 30 May 2019 17:28

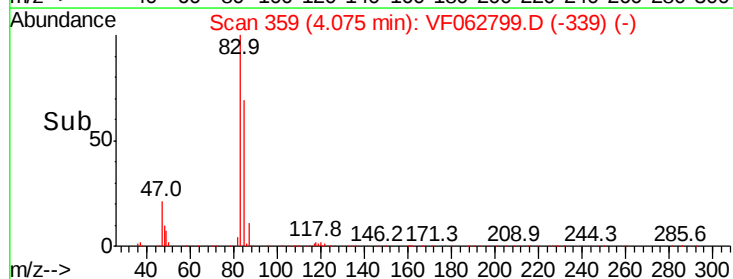
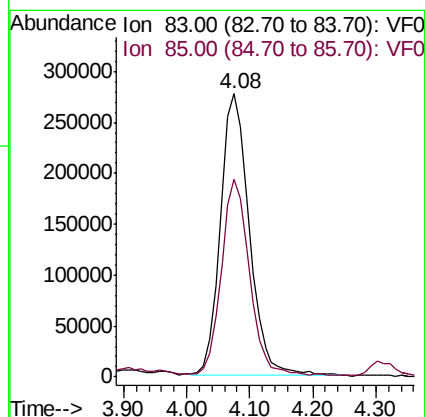
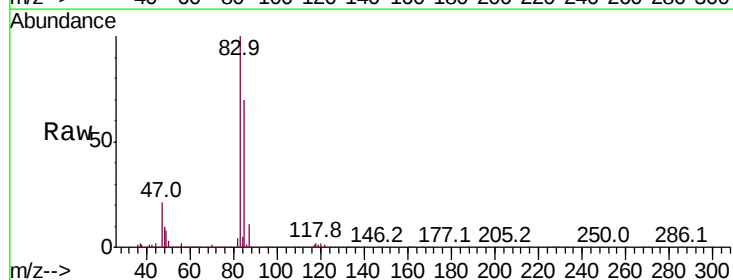
Instrument :
MSVOA_F
ClientSampleId :
ICVVF053019

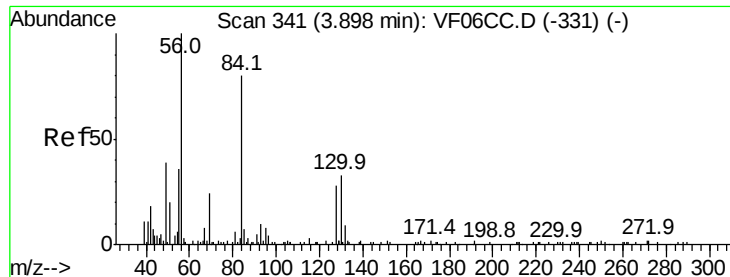
Tot Ion	Ratio	Lower	Upper
42	100		
72	47.5	39.0	58.6
71	45.8	36.9	55.3



#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	Ratio	Lower	Upper
83	100		
85	69.7	55.0	82.6

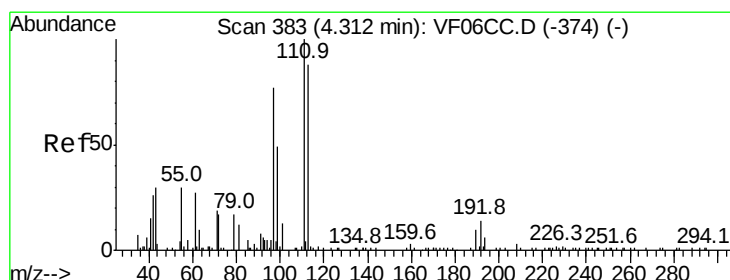
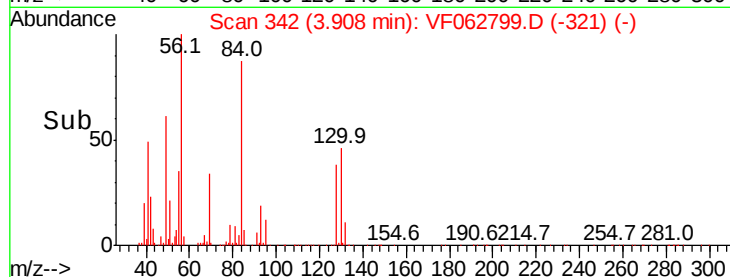
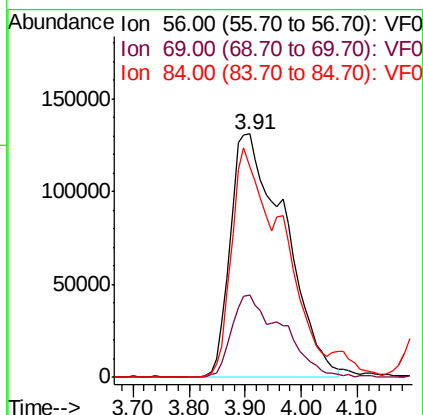
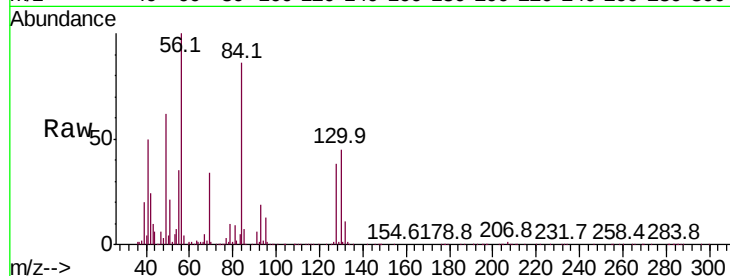




#31
Cvclohexane
Concen: 48.556 ug/l
RT: 3.91 min Scan# 342
Delta R.T. 0.01 min
Lab File: VF062799.D
Acq: 30 May 2019 17:28

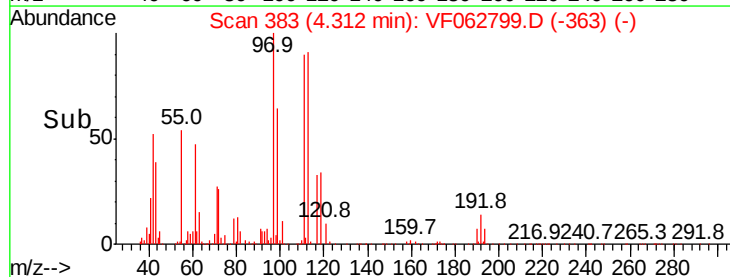
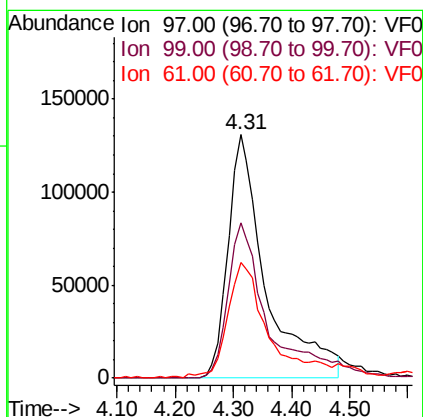
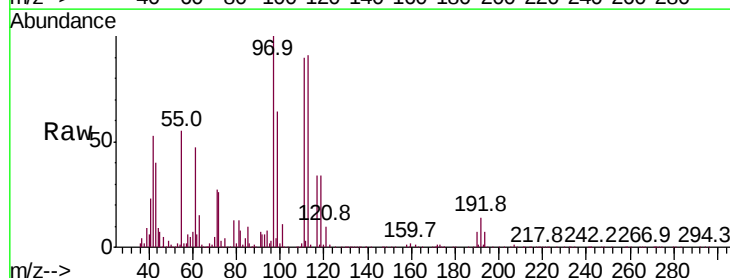
Instrument :
MSVOA_F
ClientSampleId :
ICVVF053019

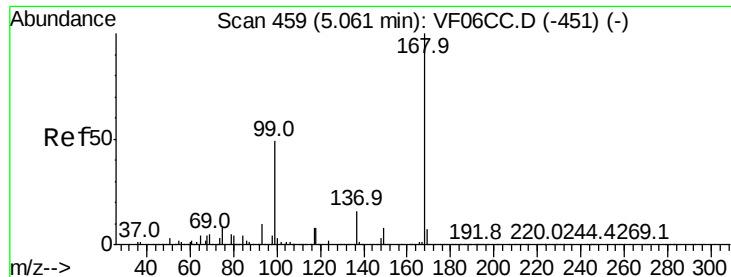
Tot Ion: 56 Resp: 880675
Ion Ratio Lower Upper
56 100
69 33.9 26.7 40.1
84 86.5 74.3 111.5



#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

ClientSampleId :

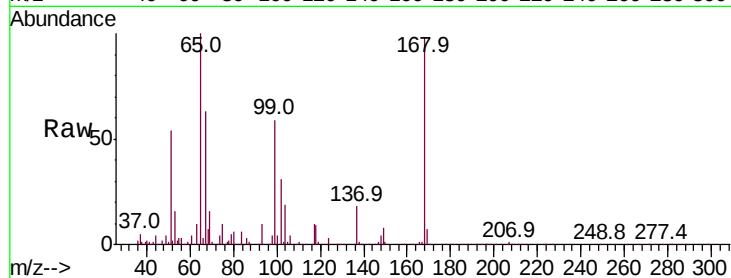
ICVVF053019

Tot Ion: 65 Resp: 342732

Ion Ratio Lower Upper

65 100

67 62.5 0.0 121.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

150000

100000

50000

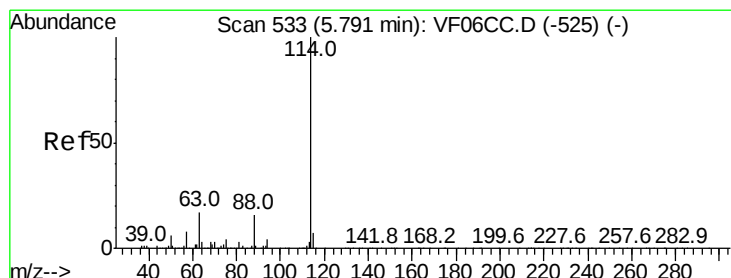
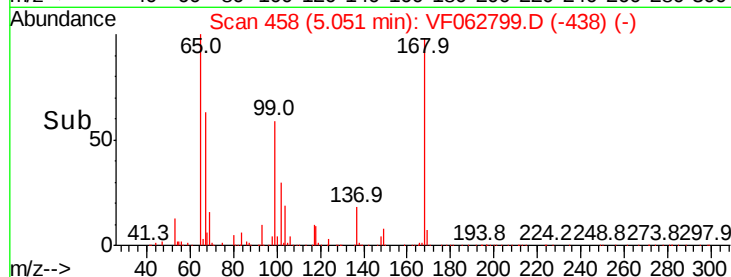
0

5.05

5.00

5.10

Time-->



#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

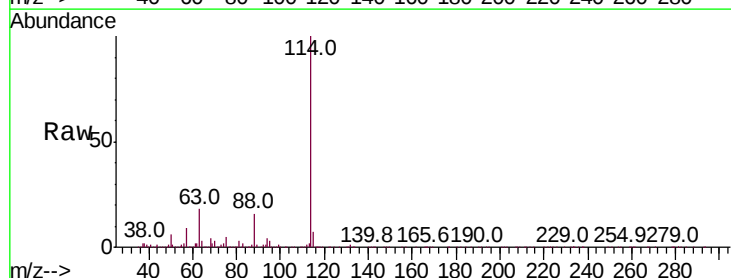
Tgt Ion:114 Resp: 1622833

Ion Ratio Lower Upper

114 100

63 18.4 0.0 34.2

88 15.9 0.0 31.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

800000

600000

400000

200000

0

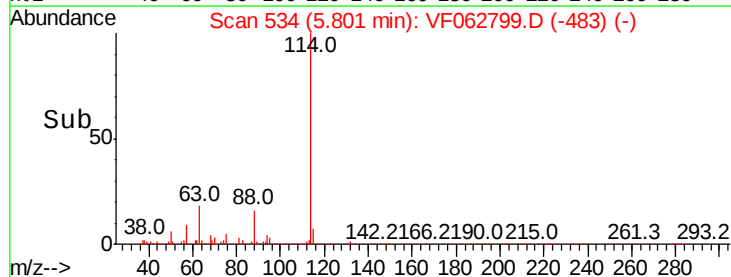
5.80

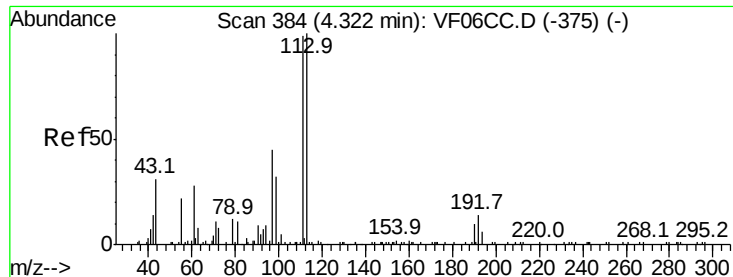
5.70

5.90

6.00

Time-->

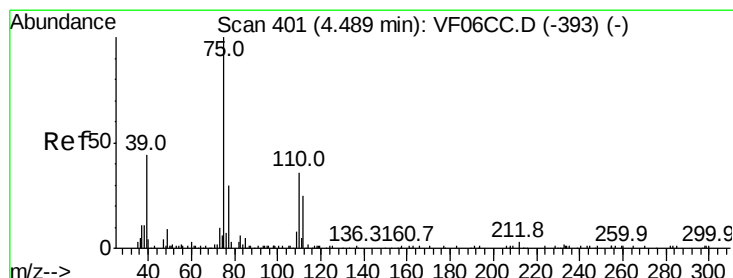
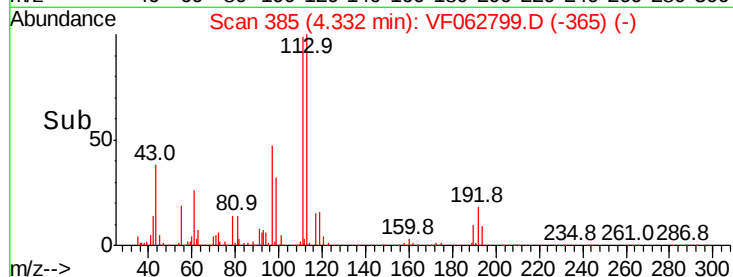
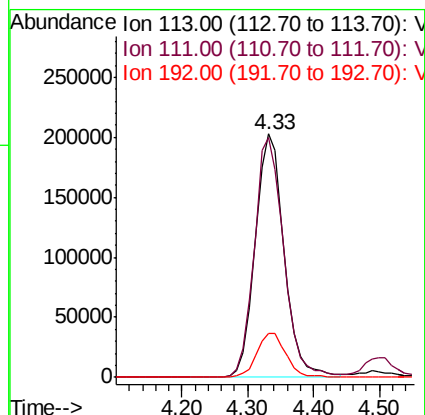
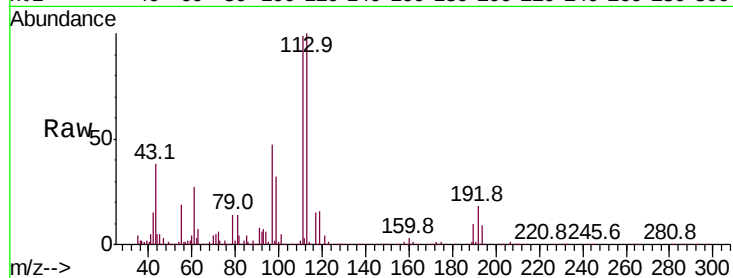




#35
Dibromofluoromethane
Concen: 51.056 ug/l
RT: 4.33 min Scan# 385
Delta R.T. -0.00 min
Lab File: VF062799.D
Acq: 30 May 2019 17:28

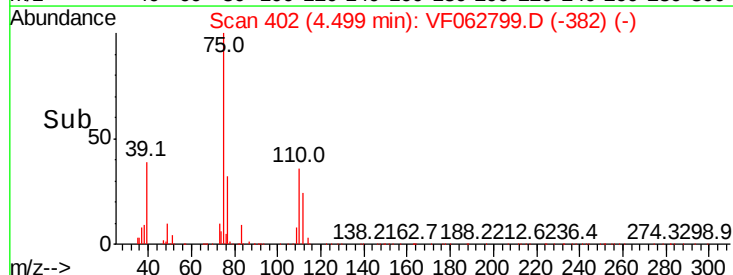
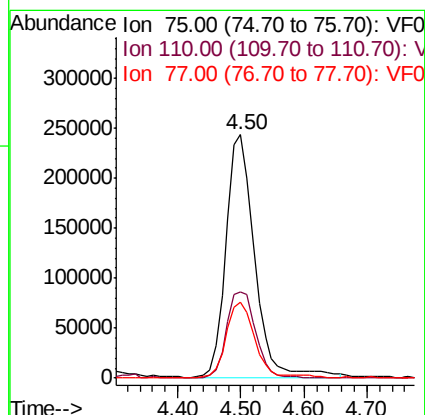
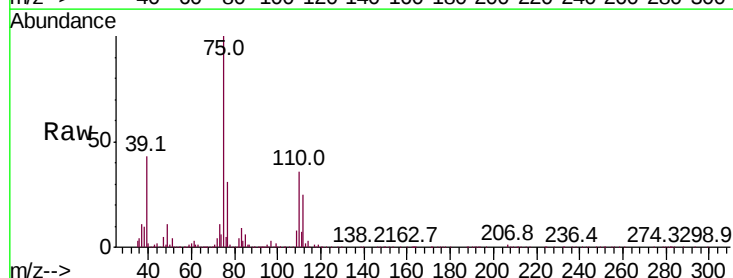
Instrument :
MSVOA_F
ClientSampleId :
ICVVF053019

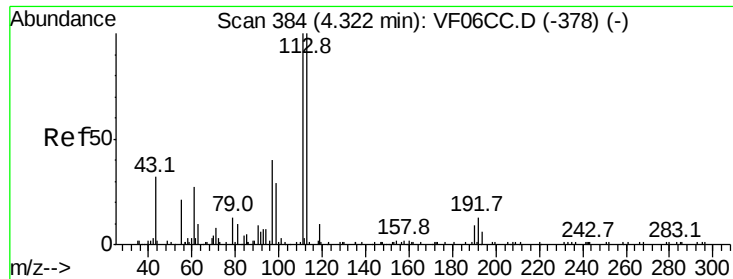
Tot Ion:113 Resp: 626101
Ion Ratio Lower Upper
113 100
111 98.7 81.9 122.9
192 18.1 15.1 22.7



#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

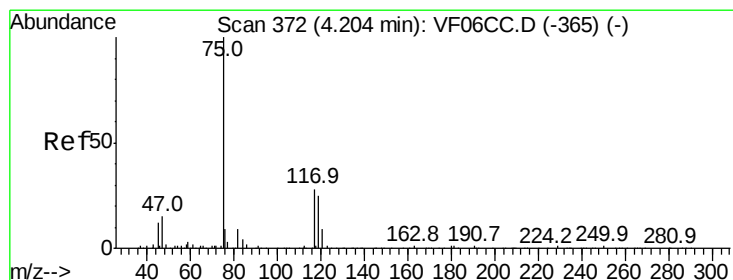
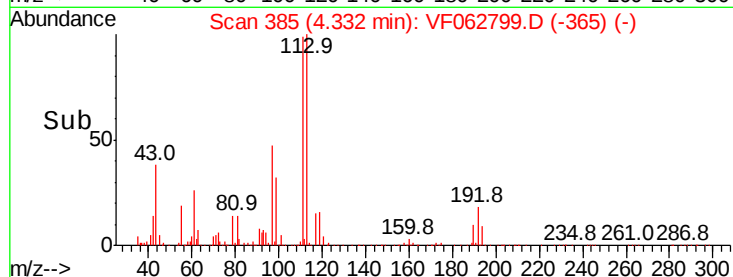
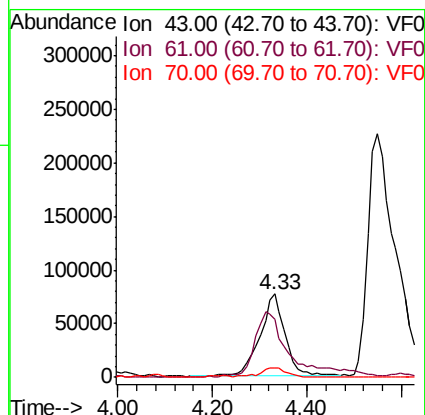
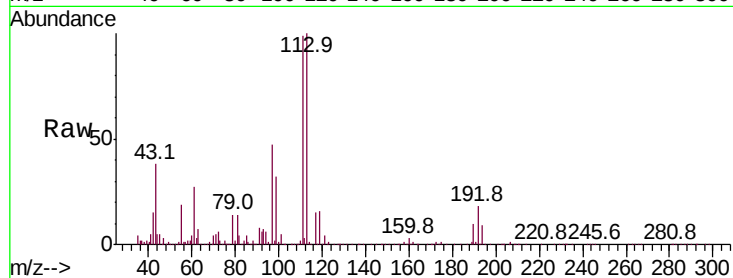




#37
Ethyl Acetate
Concen: 50.080 ug/l
RT: 4.33 min Scan# 385
Delta R.T. -0.00 min
Lab File: VF062799.D
Acq: 30 May 2019 17:28

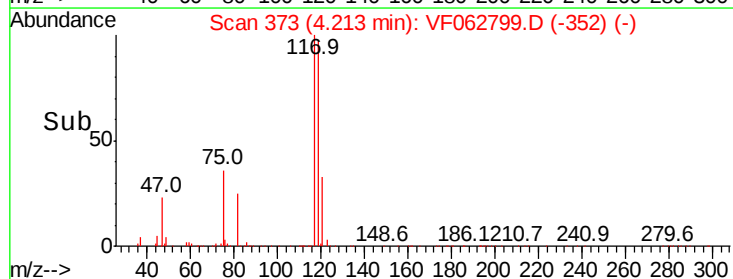
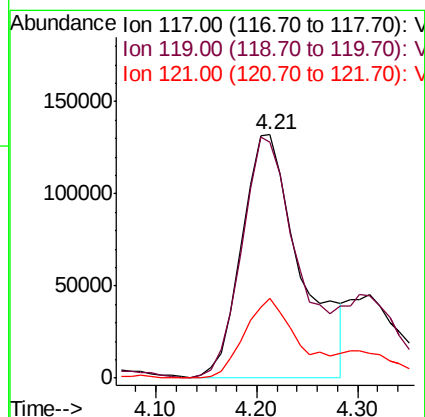
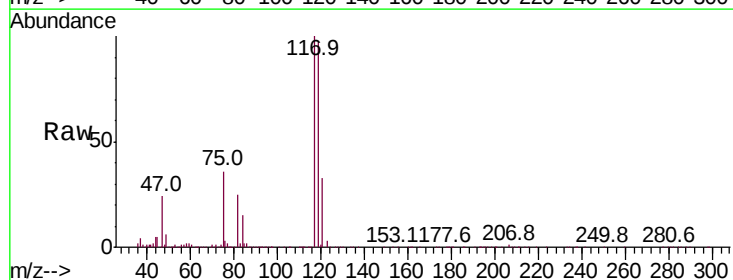
Instrument :
MSVOA_F
ClientSampleId :
ICVVF053019

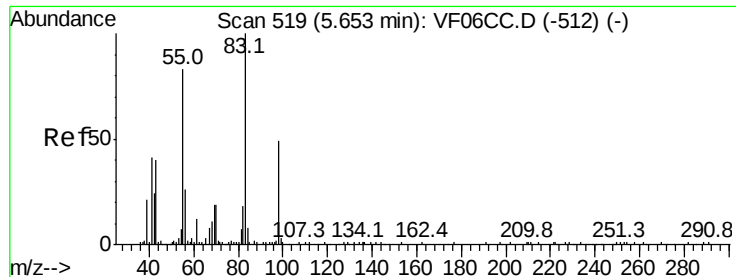
Tot Ion: 43 Resp: 286000
Ion Ratio Lower Upper
43 100
61 69.4 59.1 88.7
70 11.5 10.1 15.1



#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

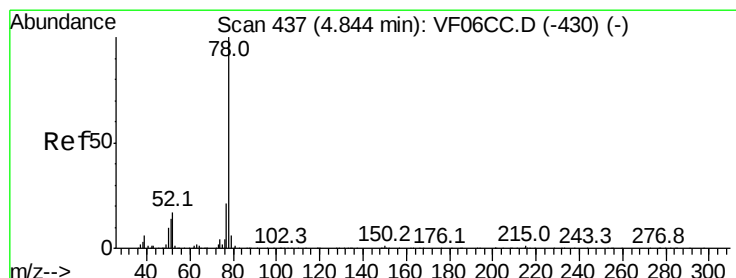
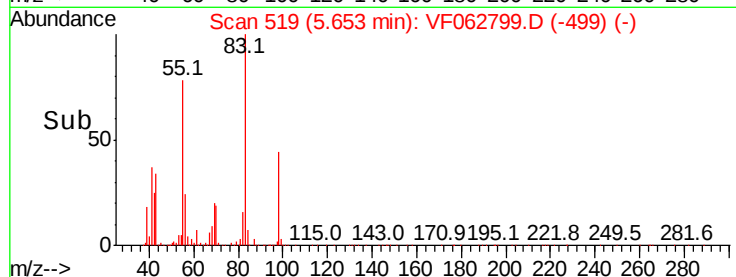
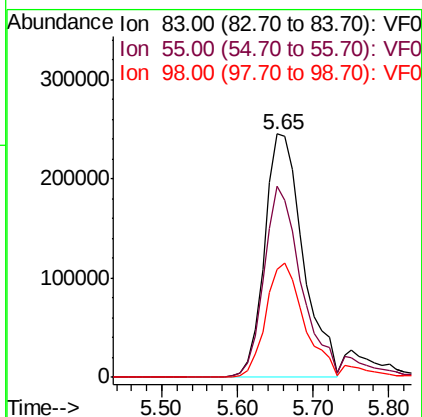
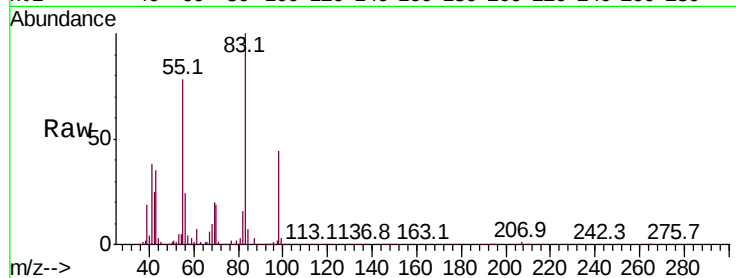




#39
Methvlcvclohexane
Concen: 46.570 ug/l
RT: 5.65 min Scan# 519
Delta R.T. -0.00 min
Lab File: VF062799.D
Acq: 30 May 2019 17:28

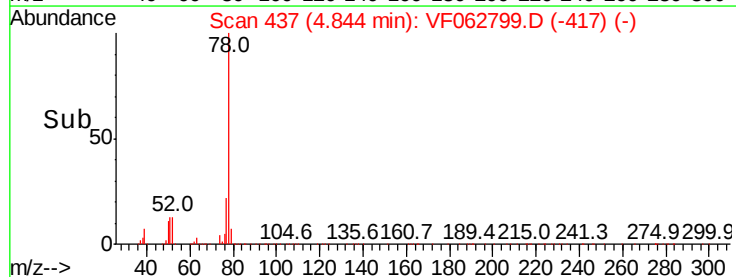
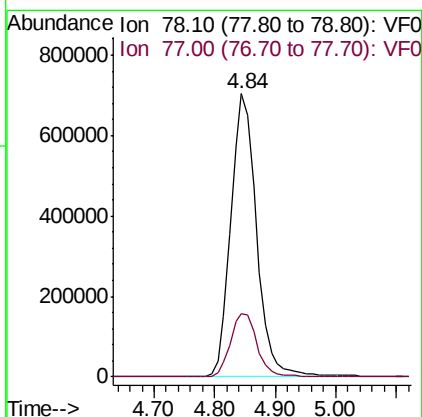
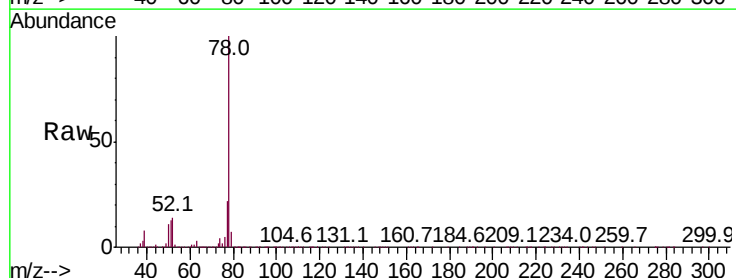
Instrument :
MSVOA_F
ClientSampleId :
ICVVF053019

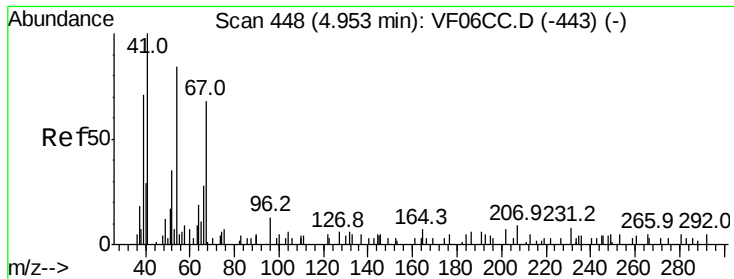
Tot Ion: 83 Resp: 865921
Ion Ratio Lower Upper
83 100
55 78.3 61.6 92.4
98 44.2 37.4 56.2



#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

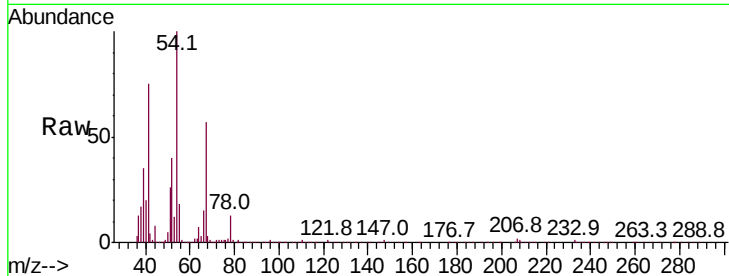




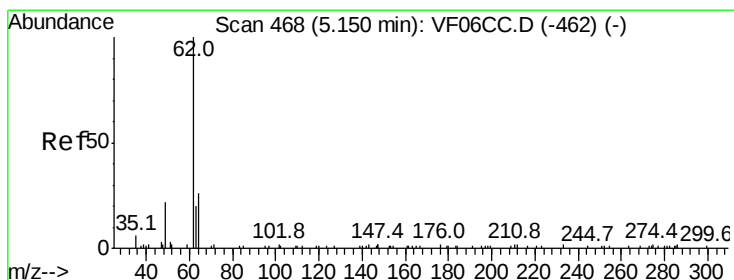
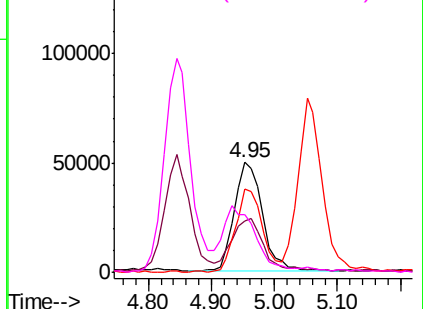
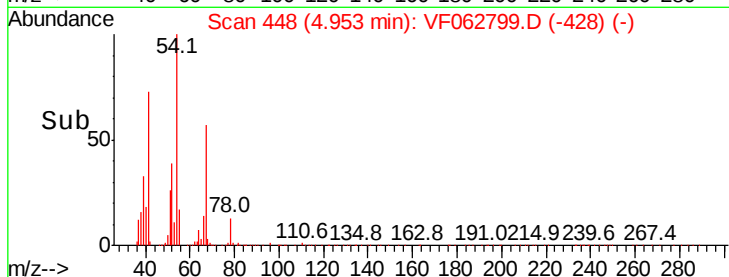
#41
Methacrylonitrile
Concen: 47.675 ug/l
RT: 4.95 min Scan# 448
Delta R.T. -0.00 min
Lab File: VF062799.D
Acq: 30 May 2019 17:28

Instrument :
MSVOA_F
ClientSampleId :
ICVVF053019

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

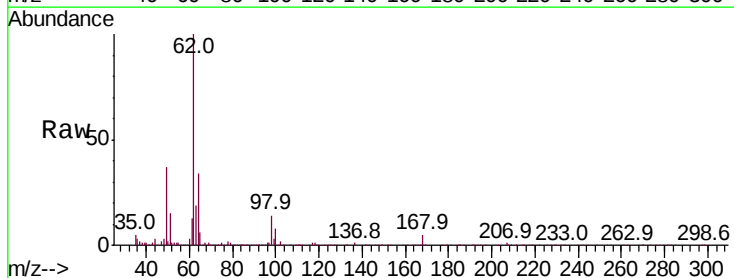


Abundance Ion 41.00 (40.70 to 41.70): VF0
150000 Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

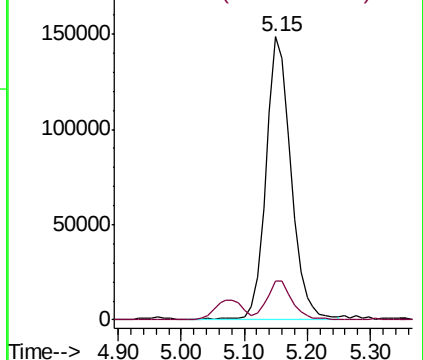
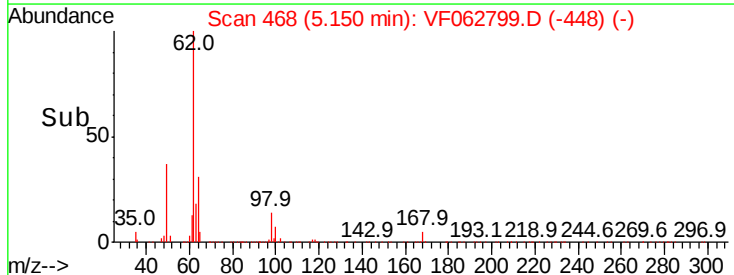


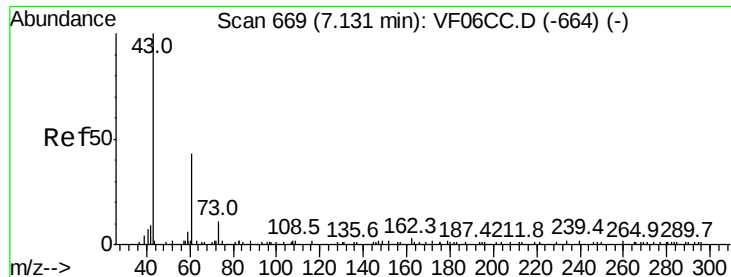
#42
1,2-Dichloroethane
Concen: 49.482 ug/l
RT: 5.15 min Scan# 468
Delta R.T. -0.00 min
Lab File: VF062799.D
Acq: 30 May 2019 17:28

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



Abundance Ion 62.00 (61.70 to 62.70): VF0
150000 Ion 98.00 (97.70 to 98.70): VF0





#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 :

ICVVF053019

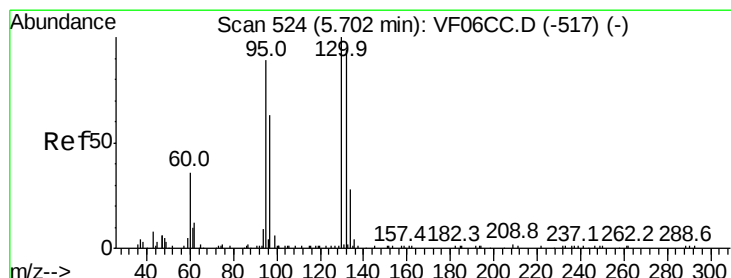
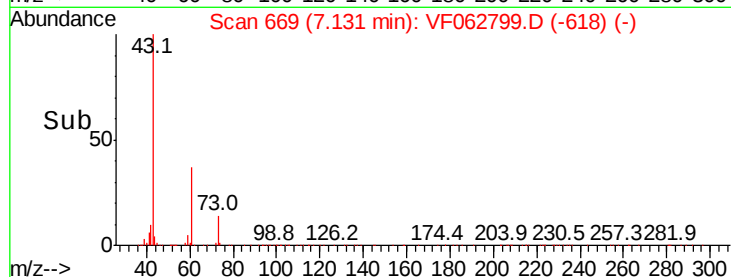
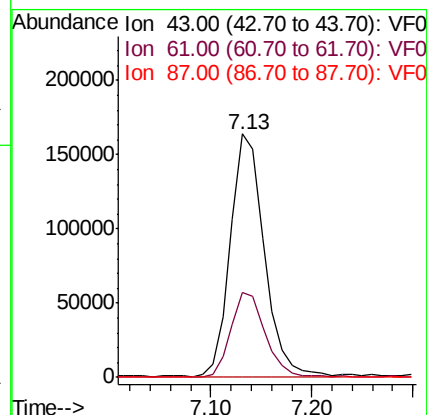
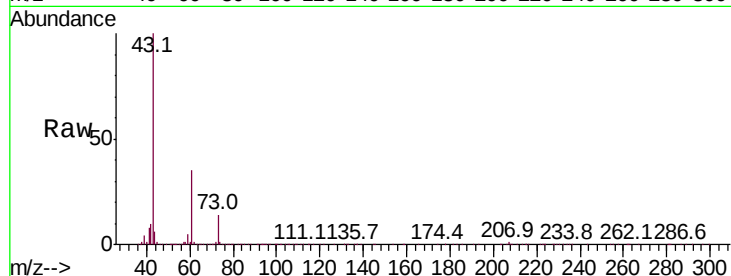
Tot Ion: 43 Resp: 381098

Ion Ratio Lower Upper

43 100

61 34.8 29.8 44.6

87 0.3 0.3 0.5#



#44

Trichloroethene

Concen: 44.999 ug/l

RT: 5.70 min Scan# 524

Delta R.T. -0.00 min

Lab File: VF062799.D

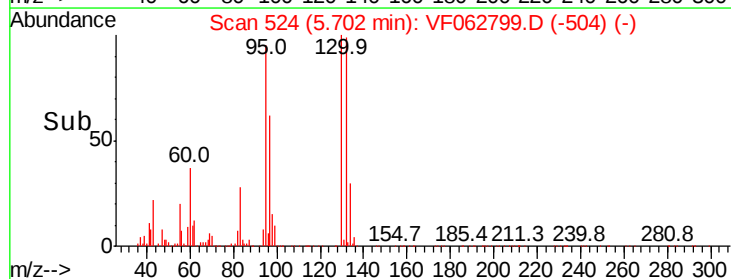
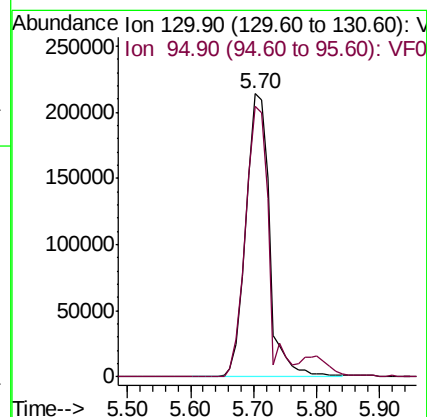
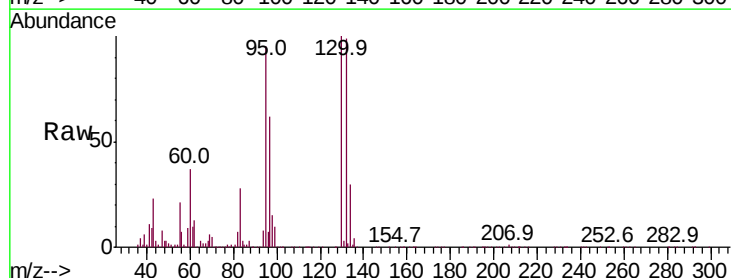
Acq: 30 May 2019 17:28

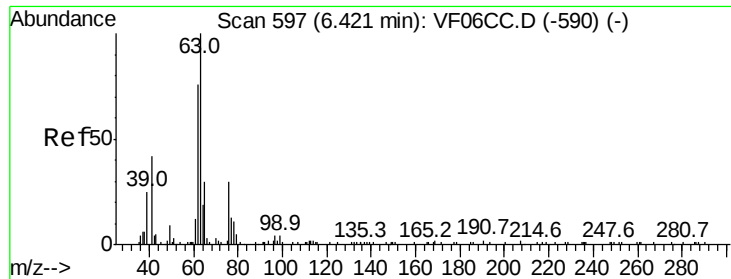
Tgt Ion:130 Resp: 552189

Ion Ratio Lower Upper

130 100

95 95.4 0.0 188.2





#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 :

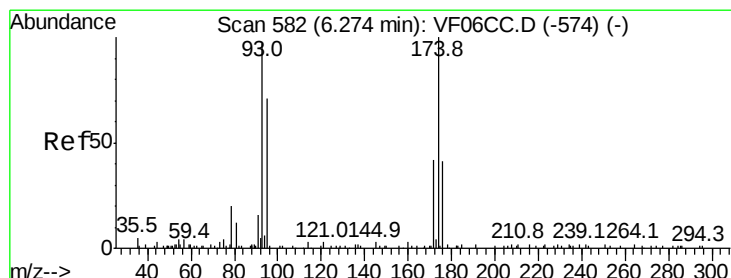
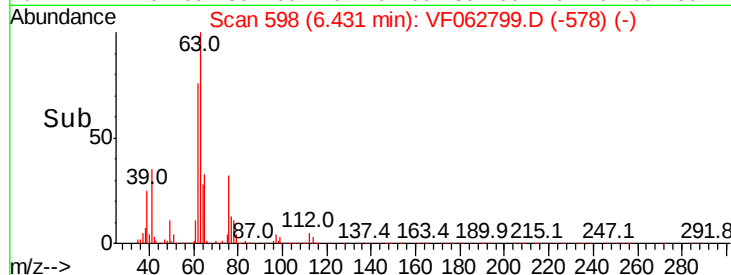
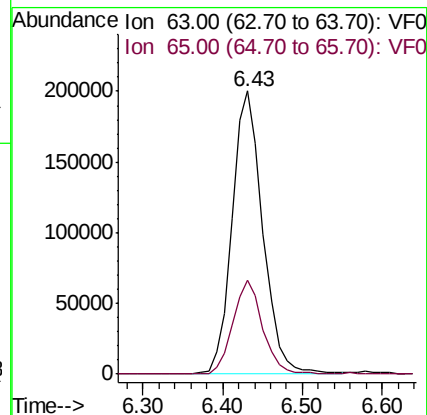
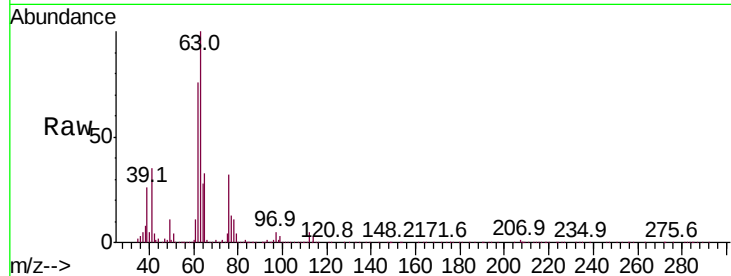
ICVVF053019

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

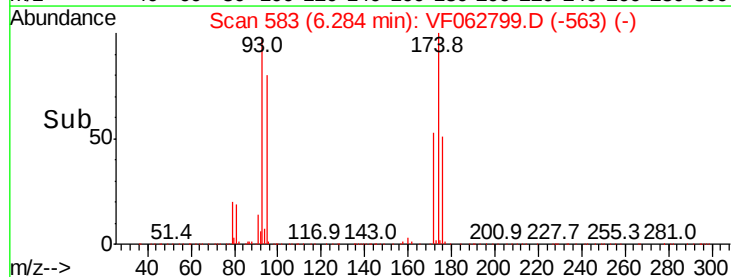
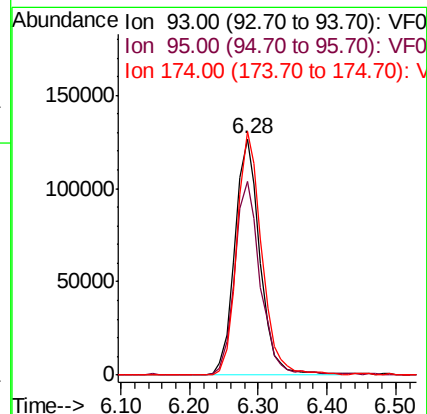
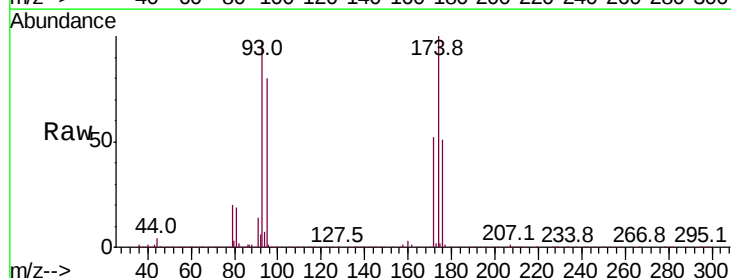
Tgt Ion: 93 Resp: 320161

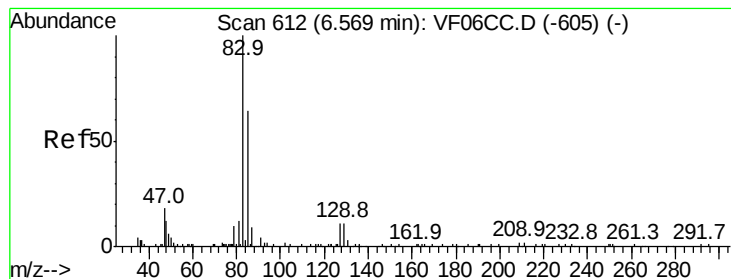
Ion Ratio Lower Upper

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 :

ICVVF053019

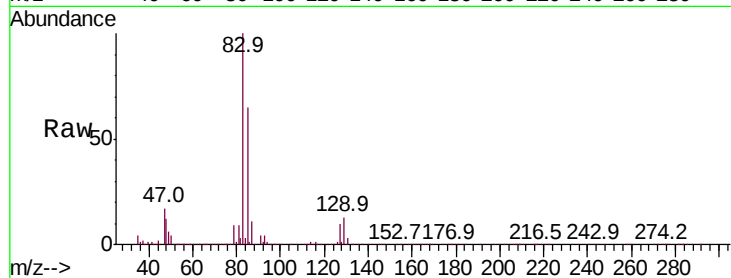
Tot Ion: 83 Resp: 659687

Ion Ratio Lower Upper

83 100

85 65.2 54.2 81.4

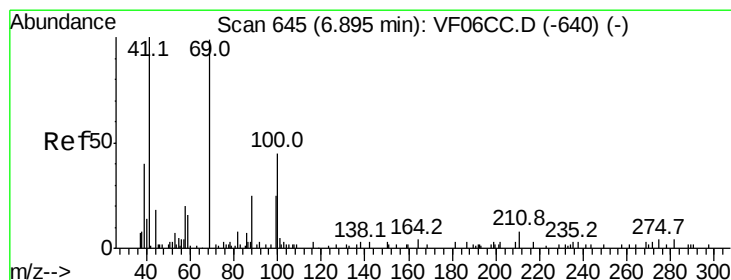
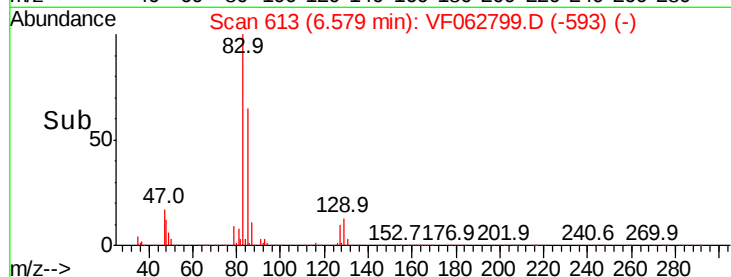
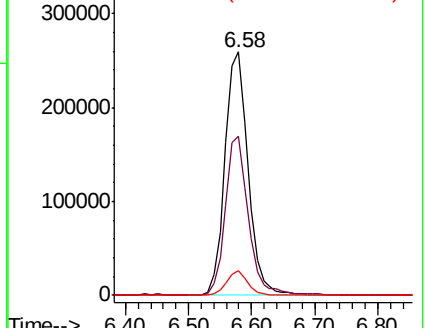
127 10.2 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 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

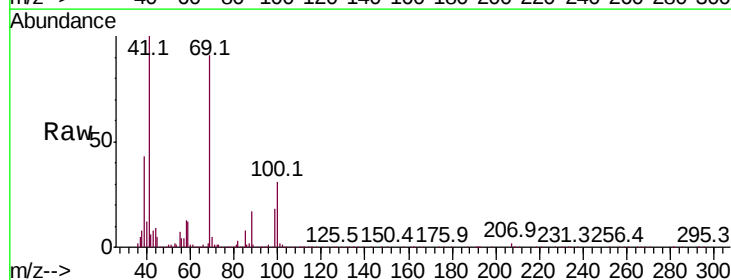
Tgt Ion: 41 Resp: 196164

Ion Ratio Lower Upper

41 100

69 91.1 79.4 119.2

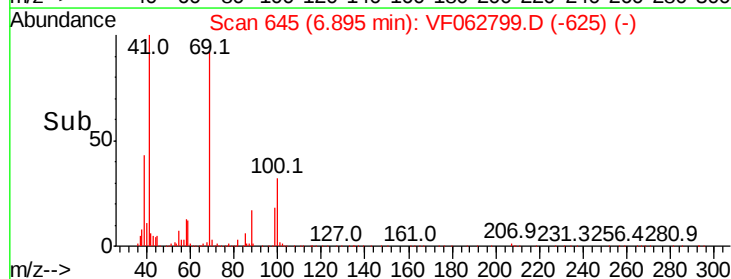
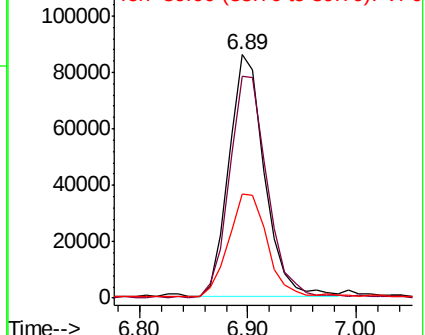
39 42.8 39.8 59.6

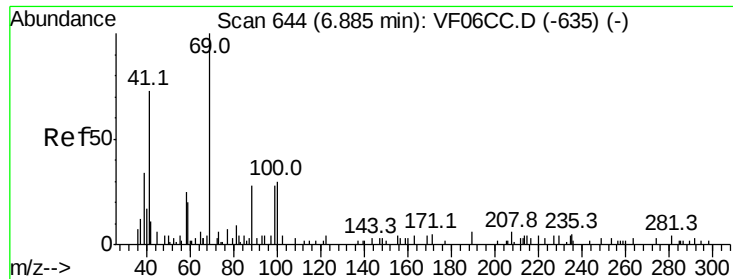


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 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 :

ICVVF053019

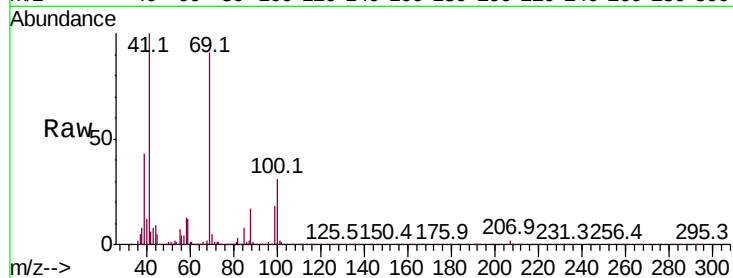
Tot Ion: 88 Resp: 54274

Ion Ratio Lower Upper

88 100

43 43.7 34.8 52.2

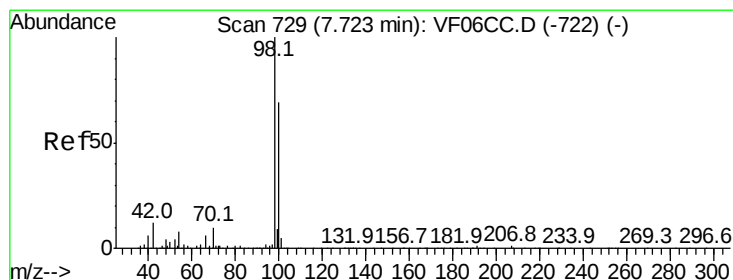
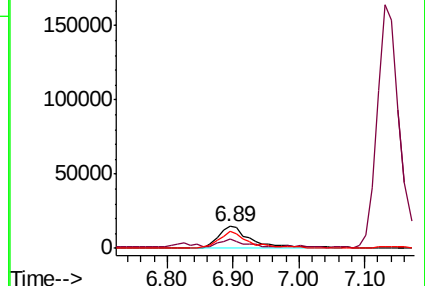
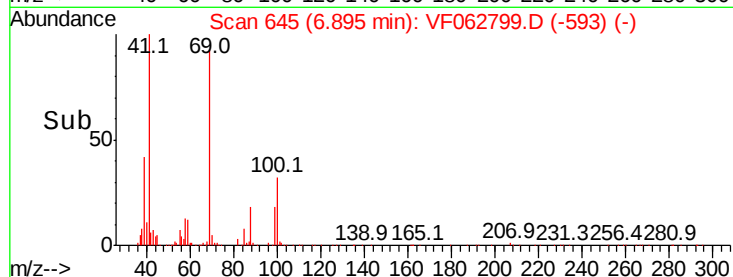
58 76.0 59.9 89.9



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 51.031 ug/l

RT: 7.73 min Scan# 730

Delta R.T. -0.00 min

Lab File: VF062799.D

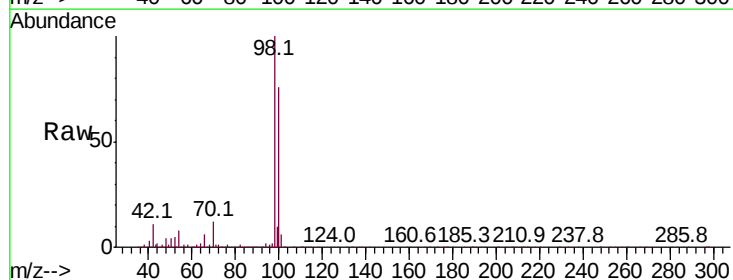
Acq: 30 May 2019 17:28

Tgt Ion: 98 Resp: 1582476

Ion Ratio Lower Upper

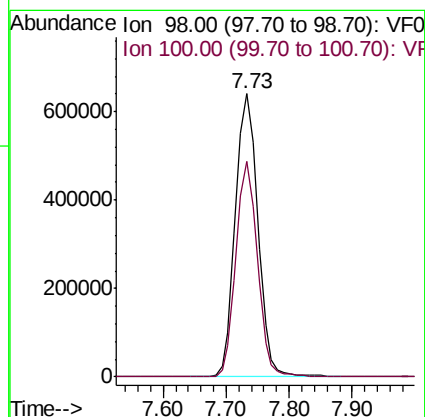
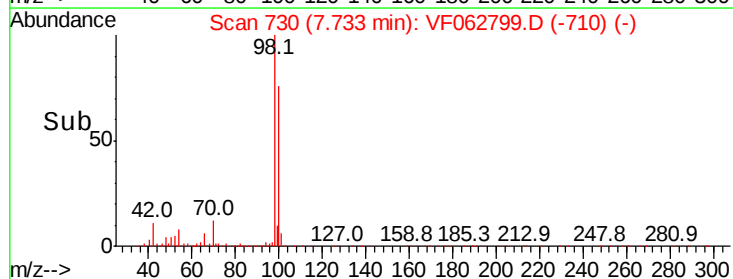
98 100

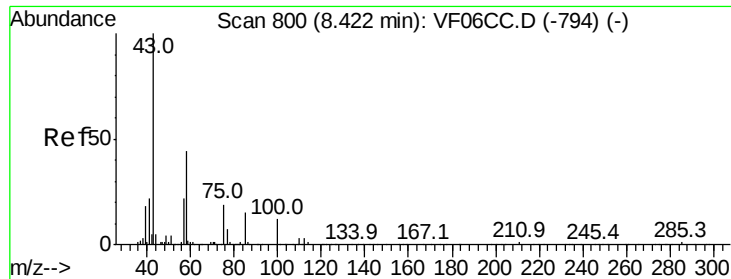
100 76.1 59.8 89.8



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 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 :

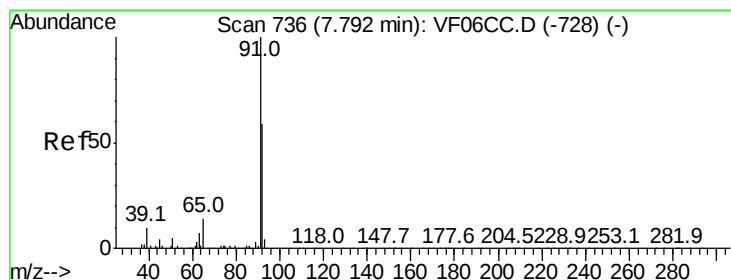
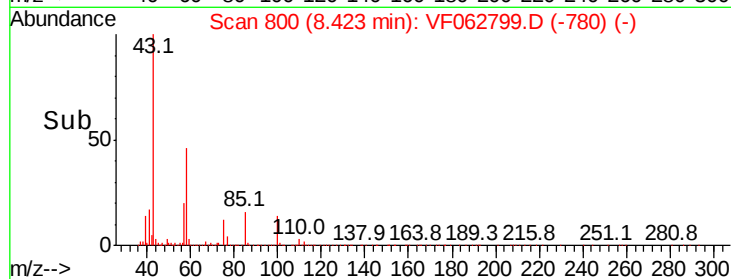
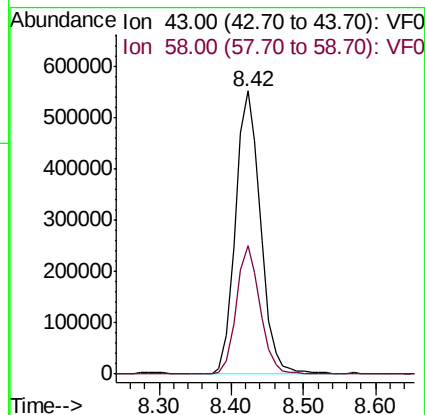
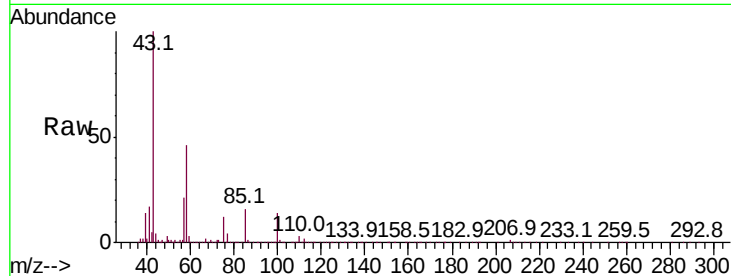
ICVVF053019

Tot Ion: 43 Resp: 1337251

Ion Ratio Lower Upper

43 100

58 45.6 35.5 53.3



#52

Toluene

Concen: 47.117 ug/l

RT: 7.80 min Scan# 737

Delta R.T. -0.00 min

Lab File: VF062799.D

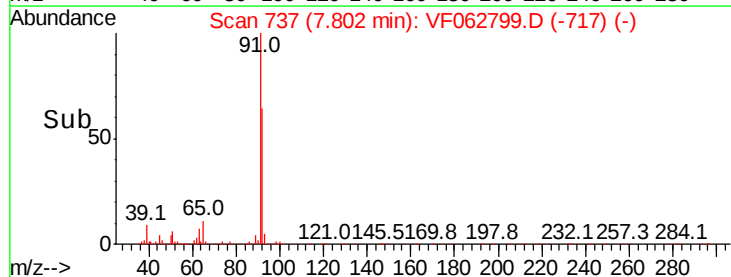
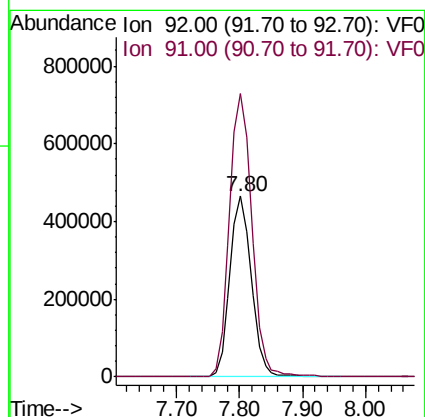
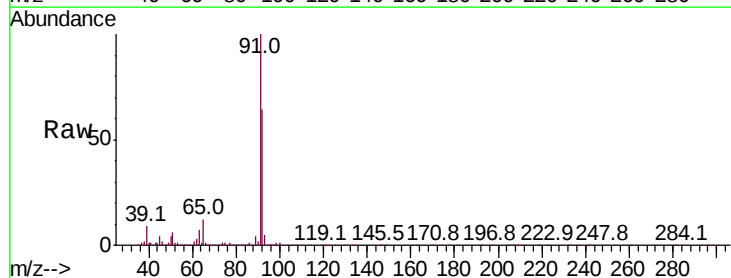
Acq: 30 May 2019 17:28

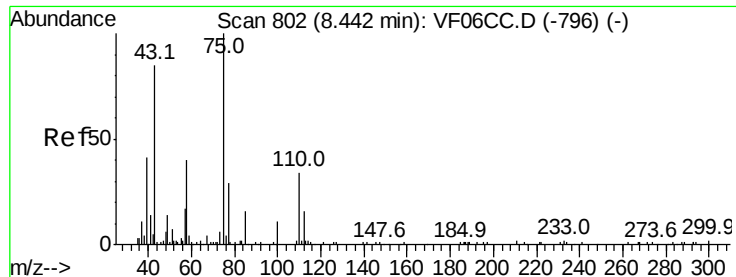
Tgt Ion: 92 Resp: 1103432

Ion Ratio Lower Upper

92 100

91 156.8 123.2 184.8





#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 :

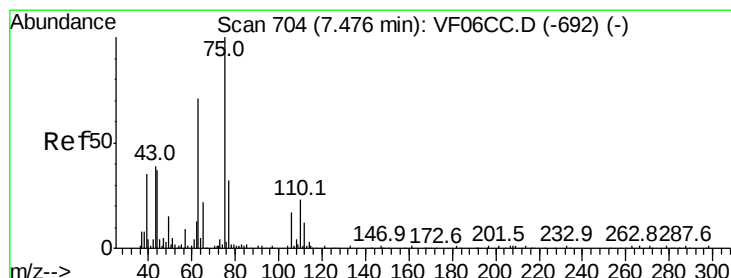
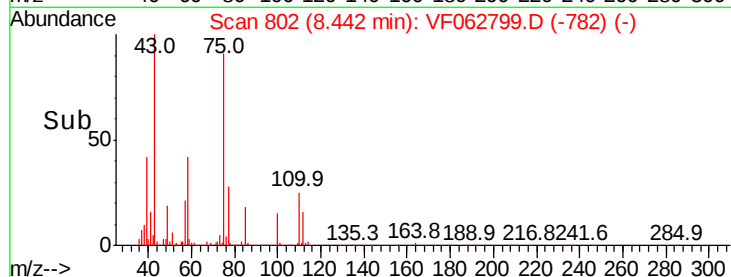
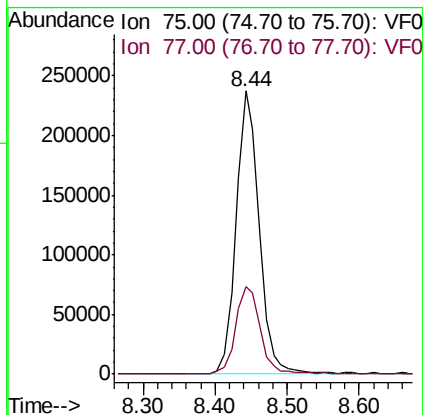
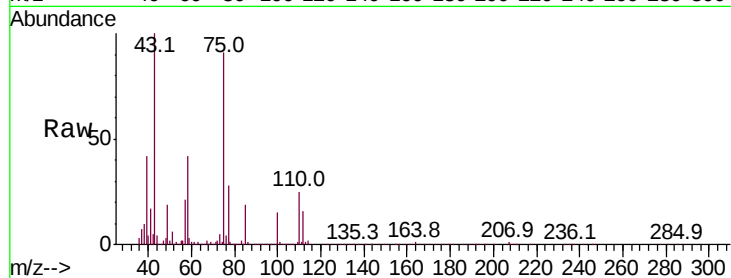
ICVVF053019

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

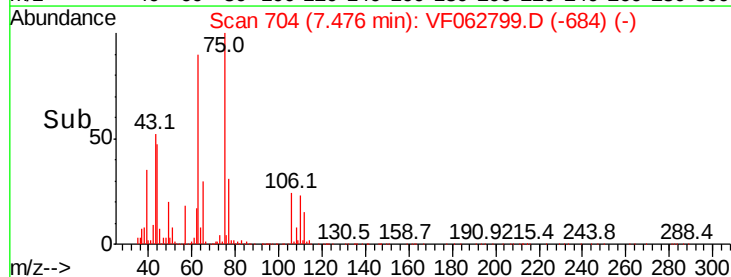
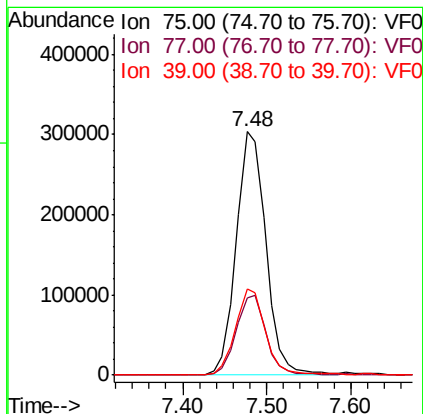
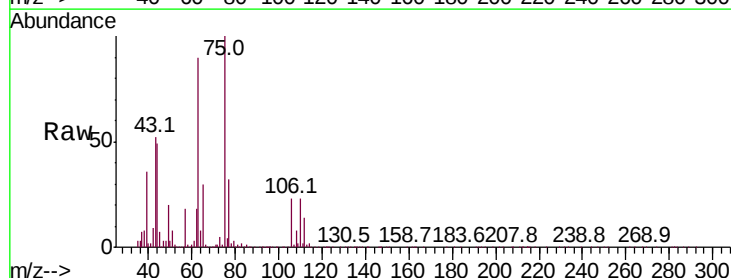
Tgt Ion: 75 Resp: 744563

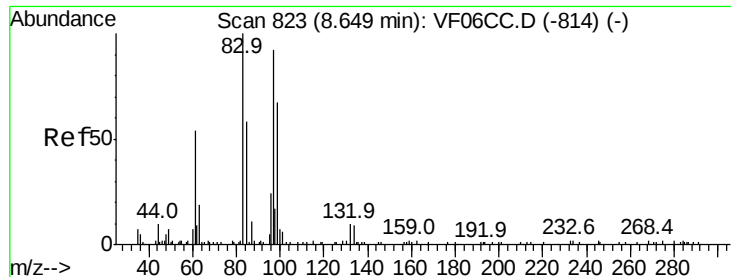
Ion Ratio Lower Upper

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 :

ICVVF053019

Tot Ion: 97 Resp: 335380

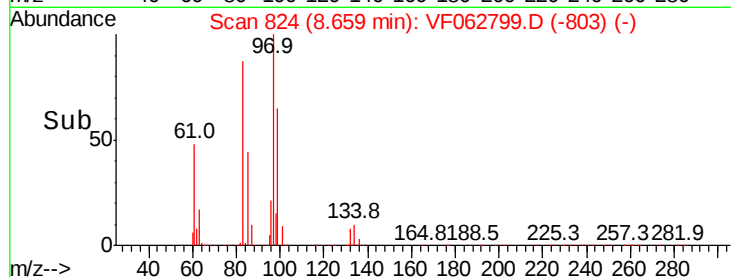
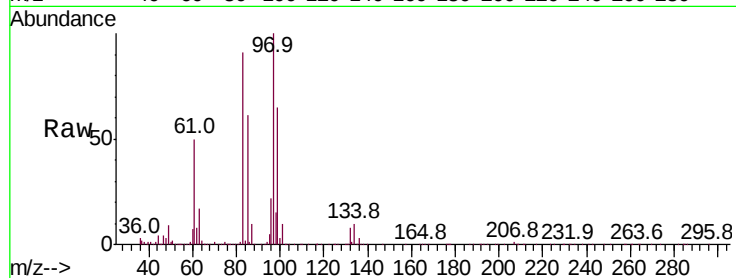
Ion	Ratio	Lower	Upper
97	100		
83	91.2	72.0	108.0
85	61.0	47.5	71.3
99	65.3	54.1	81.1

97 100

83 91.2 72.0 108.0

85 61.0 47.5 71.3

99 65.3 54.1 81.1

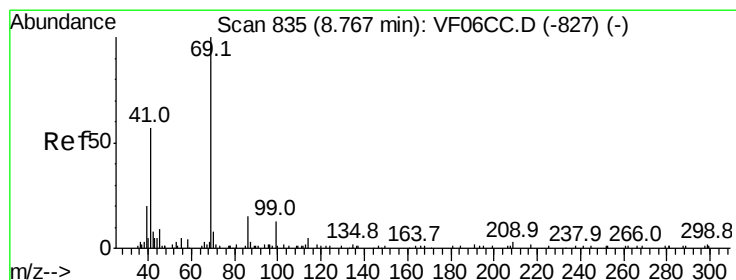
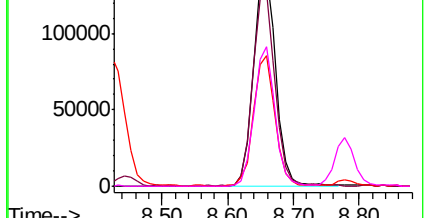


Abundance Ion 97.00 (96.70 to 97.70): VF0

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

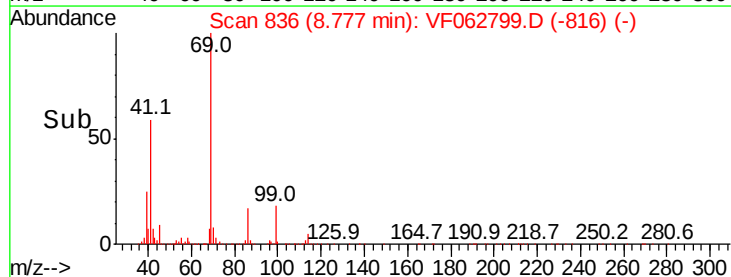
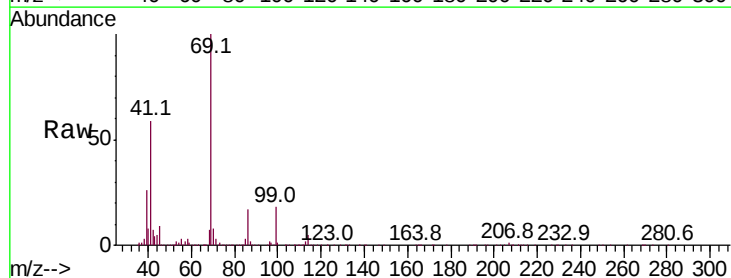
Tgt Ion: 69 Resp: 382396

Ion	Ratio	Lower	Upper
69	100		
41	59.5	46.6	69.8
39	25.6	19.6	29.4

69 100

41 59.5 46.6 69.8

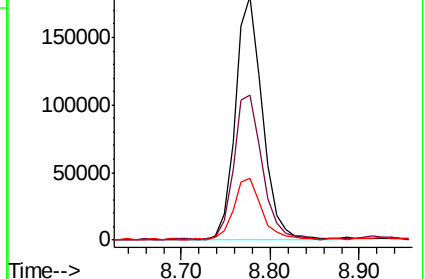
39 25.6 19.6 29.4

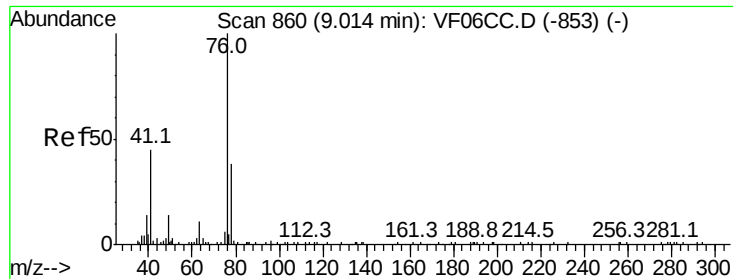


Abundance Ion 69.00 (68.70 to 69.70): VF0

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 :

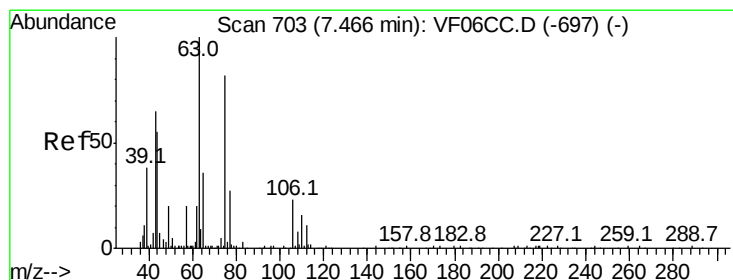
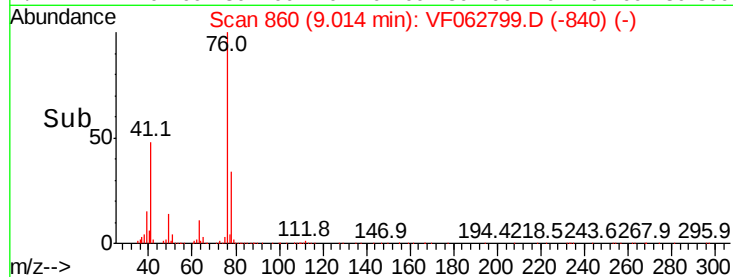
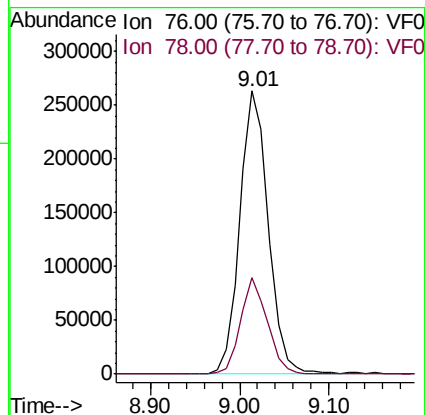
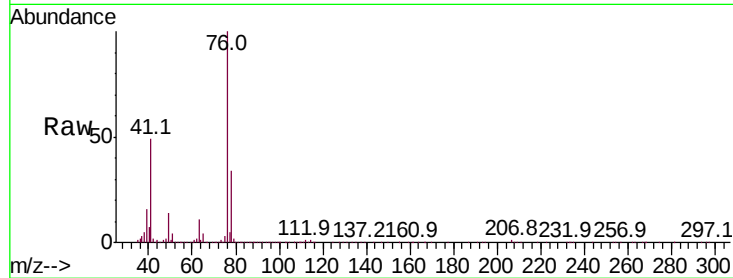
ICVVF053019

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

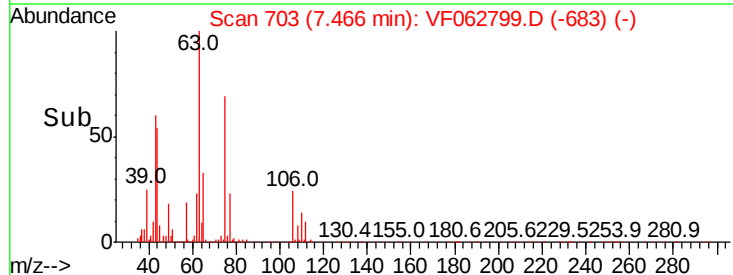
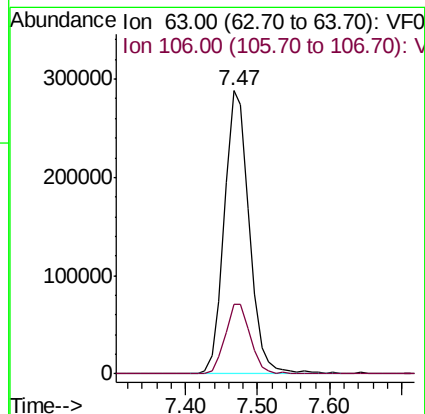
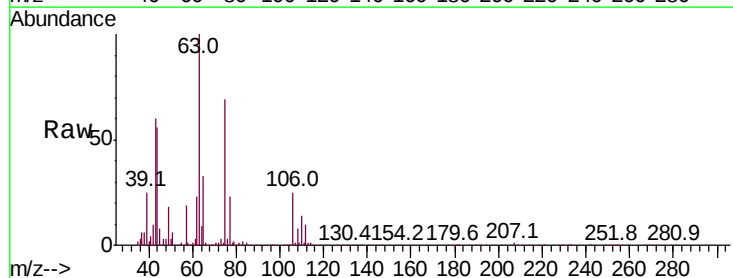
Acq: 30 May 2019 17:28

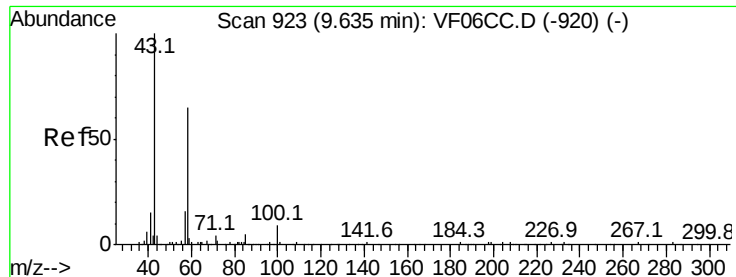
Tgt Ion: 63 Resp: 686202

Ion Ratio Lower Upper

63 100

106 24.6 19.5 29.3

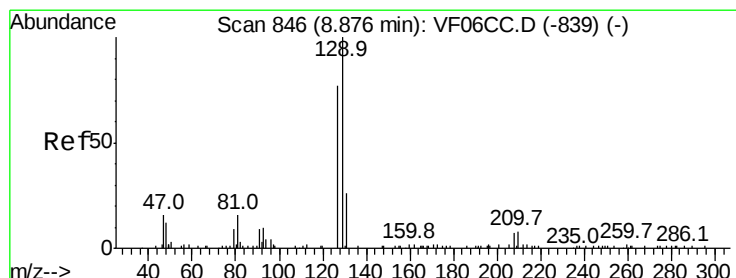
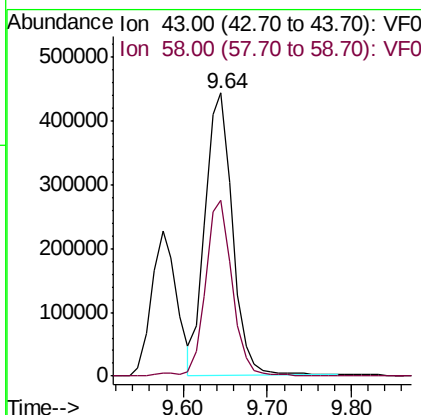
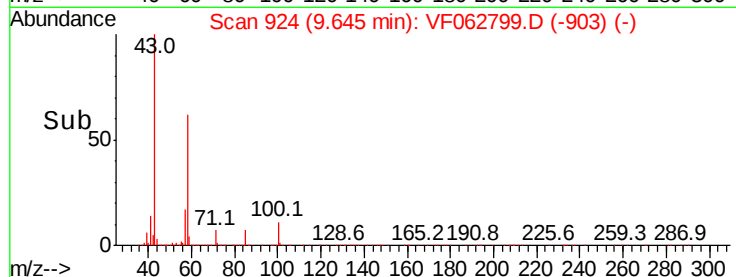
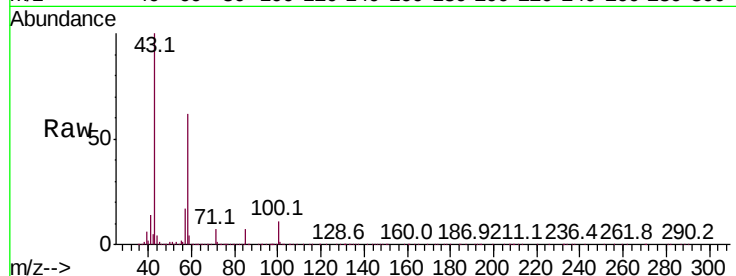




#59
2-Hexanone
Concen: 258.968 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.01 min
Lab File: VF062799.D
Acq: 30 May 2019 17:28

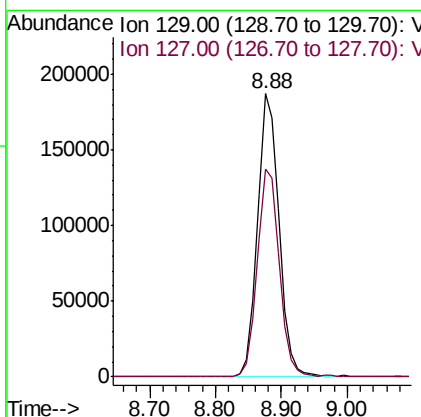
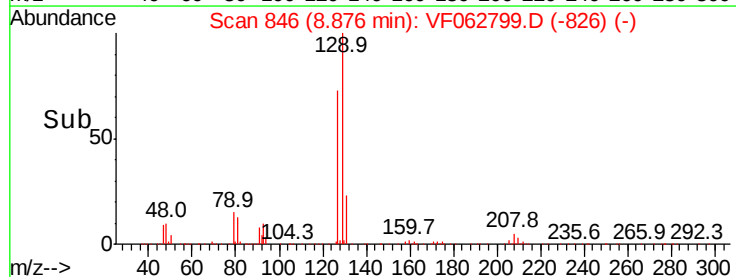
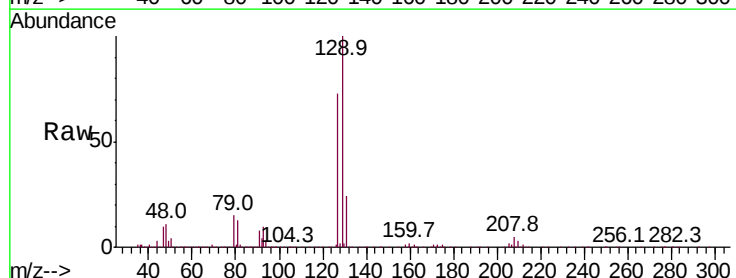
Instrument :
MSVOA_F
ClientSampleId :
ICVVF053019

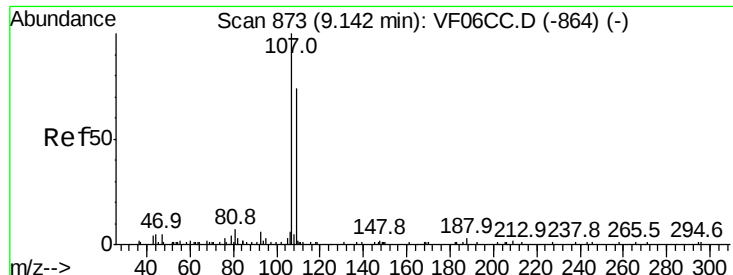
Tot Ion: 43 Resp: 994184
Ion Ratio Lower Upper
43 100
58 62.2 29.3 87.9



#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 :

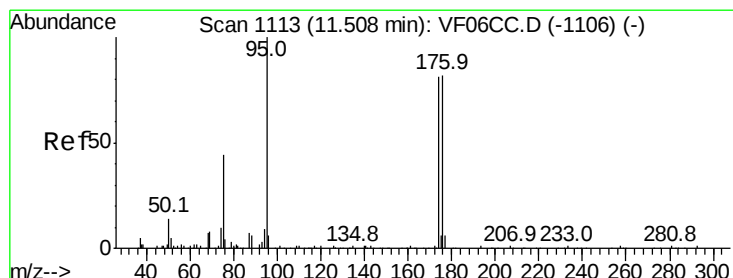
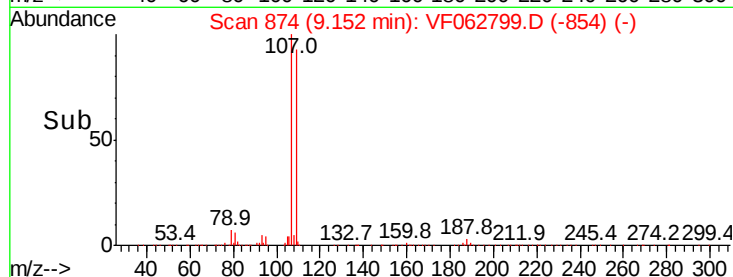
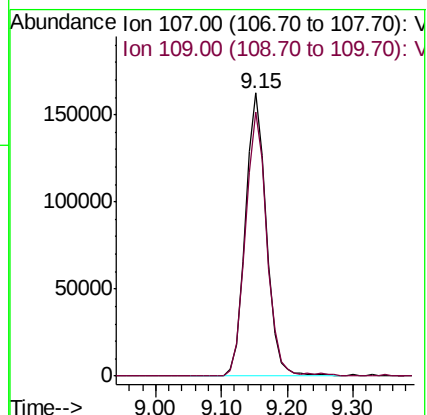
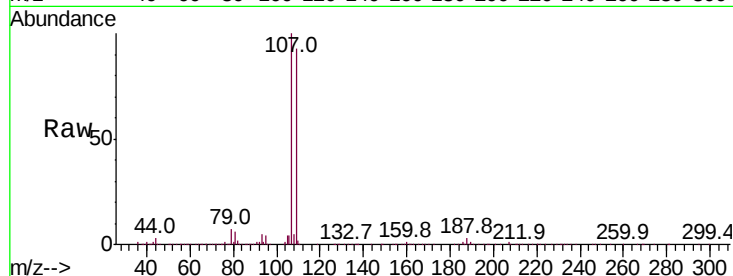
ICVVF053019

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

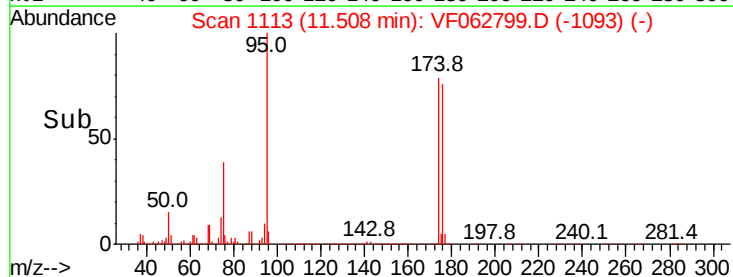
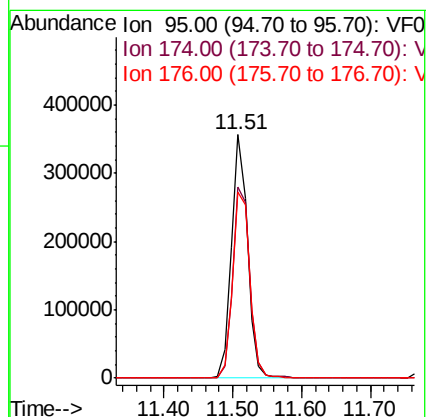
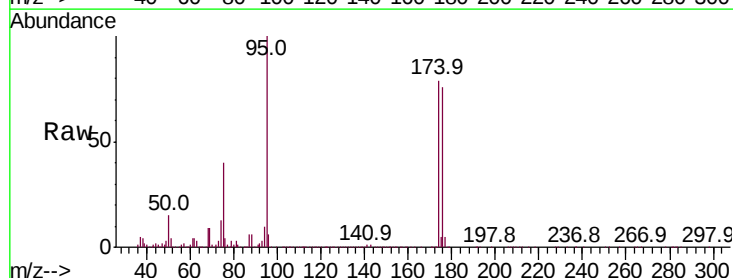
Tgt Ion: 95 Resp: 577720

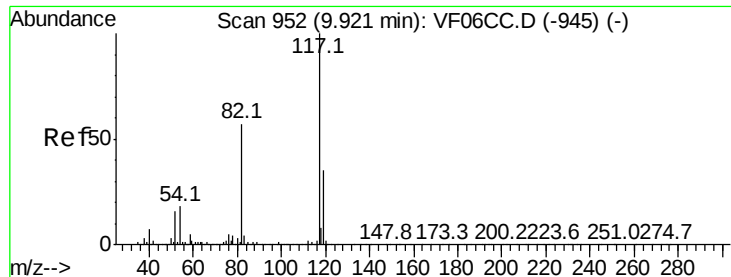
Ion Ratio Lower Upper

95 100

174 78.7 0.0 170.6

176 76.5 0.0 170.6

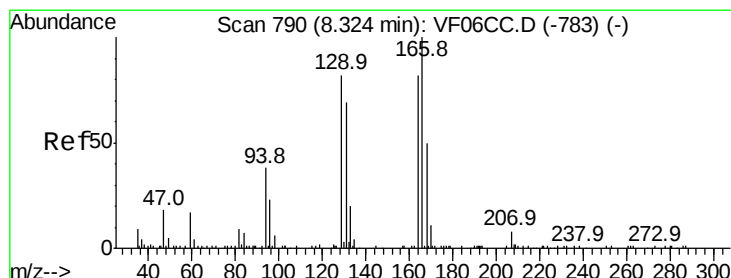
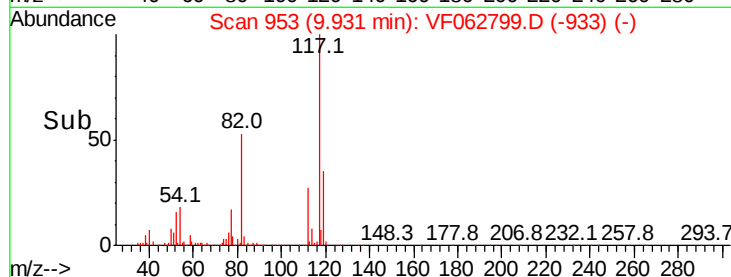
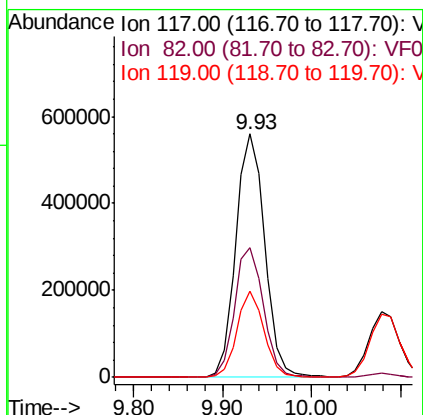
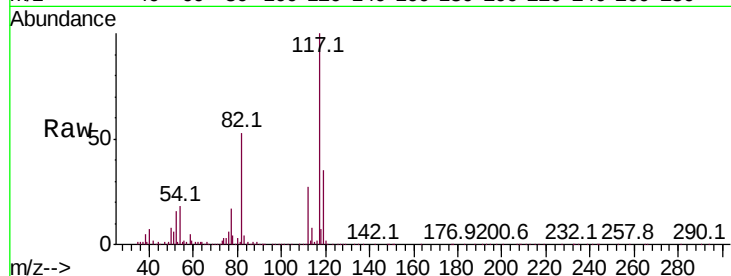




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.00 min
Lab File: VF062799.D
Acq: 30 May 2019 17:28

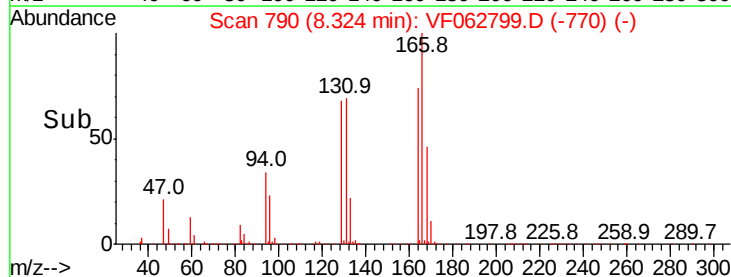
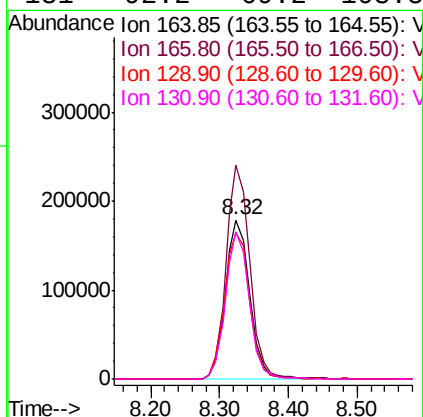
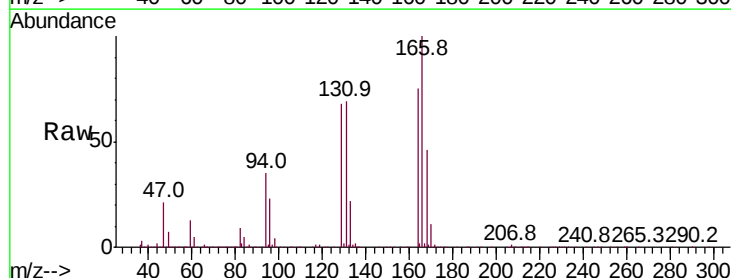
Instrument :
MSVOA_F
ClientSampleId :
ICVVF053019

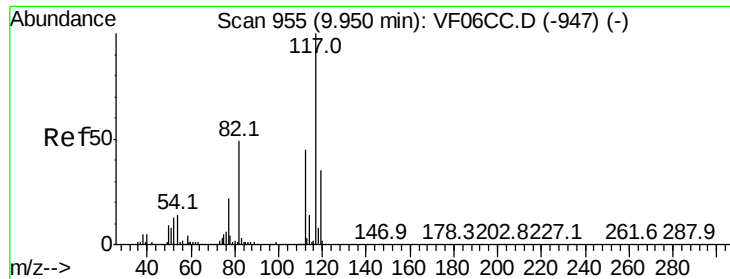
Tot Ion:117 Resp: 1270211
Ion Ratio Lower Upper
117 100
82 53.3 42.4 63.6
119 35.3 27.1 40.7



#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





#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 :

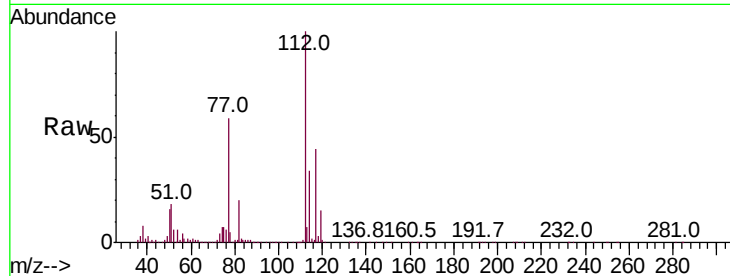
ICVVF053019

Tot Ion:112 Resp: 1162168

Ion Ratio Lower Upper

112 100

114 34.1 27.4 41.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

600000

500000

400000

300000

200000

100000

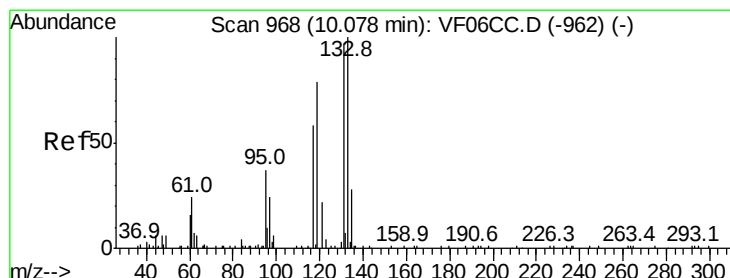
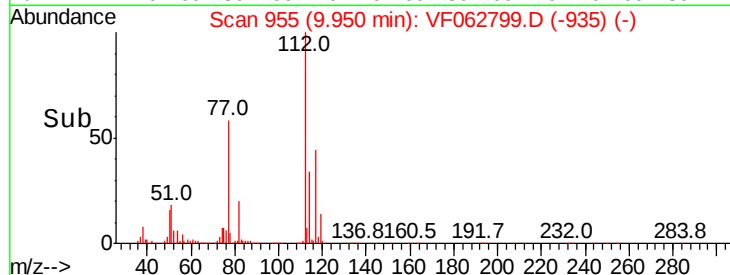
0

9.80

9.95

10.00

Time-->



#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

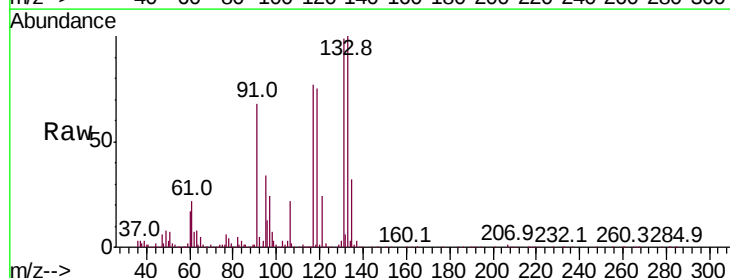
Tgt Ion:131 Resp: 456114

Ion Ratio Lower Upper

131 100

133 101.5 48.9 146.7

119 75.7 38.0 114.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

250000

200000

150000

100000

50000

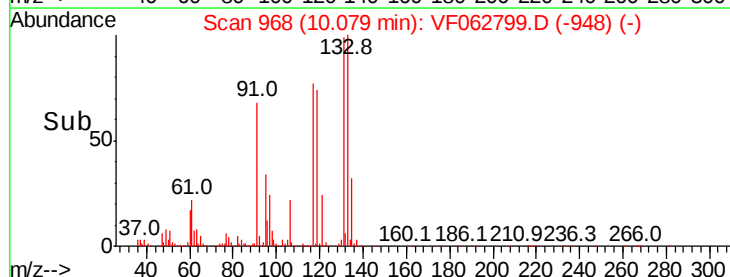
0

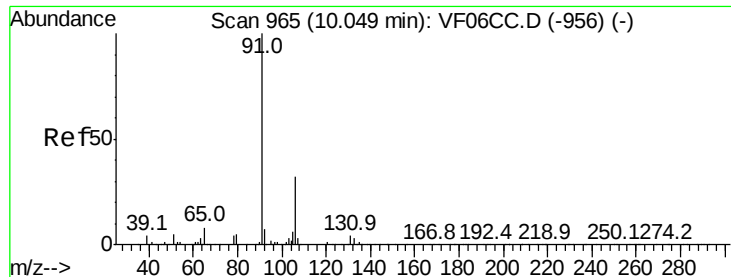
10.00

10.08

10.20

Time-->





#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

ClientSampleId :

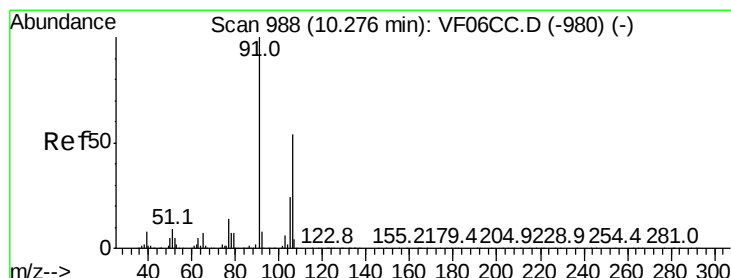
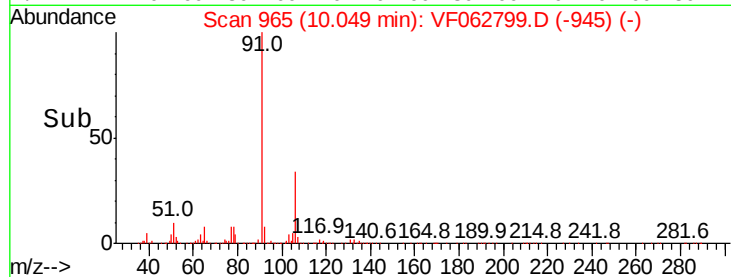
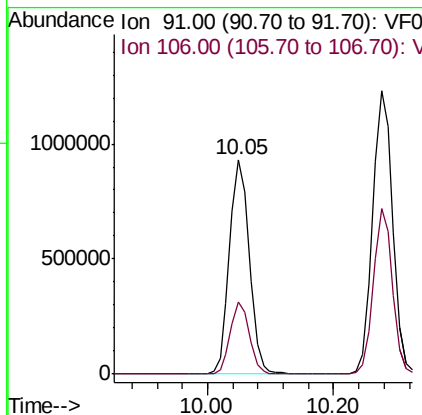
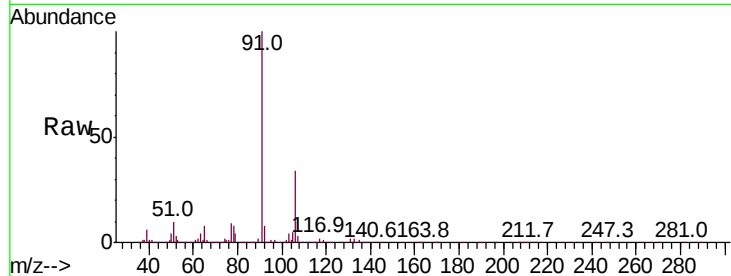
ICVVF053019

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

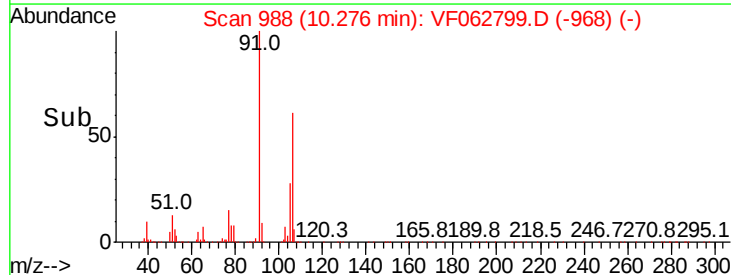
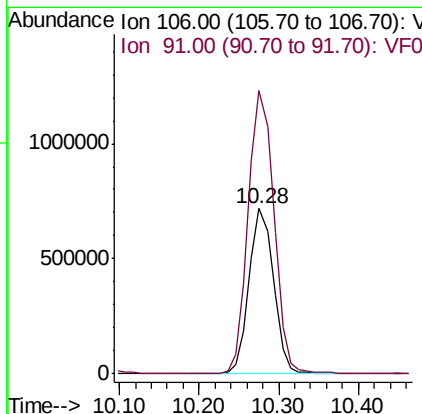
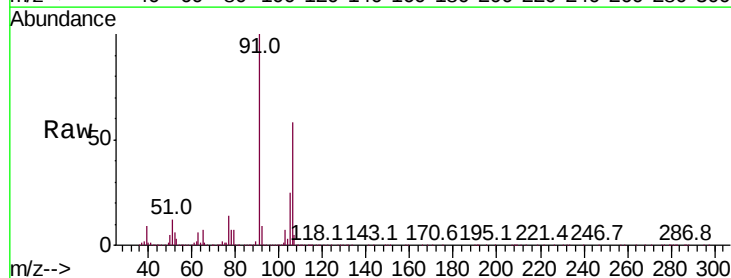
Acq: 30 May 2019 17:28

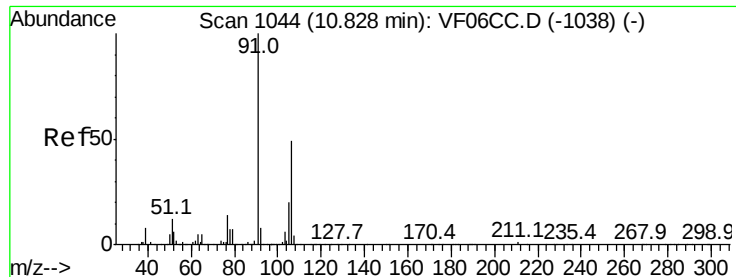
Tgt Ion: 106 Resp: 1520606

Ion Ratio Lower Upper

106 100

91 171.3 136.2 204.4

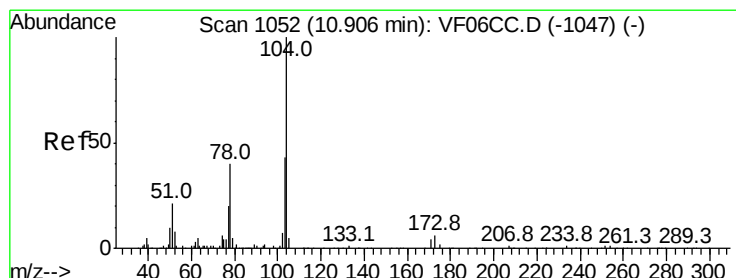
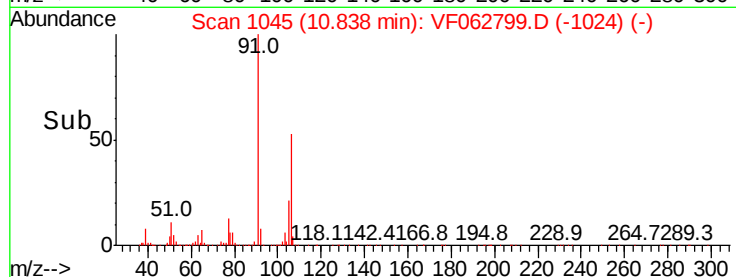
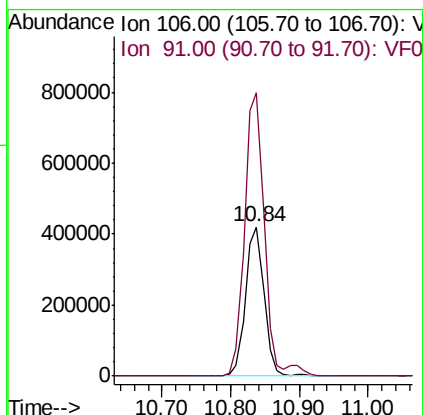
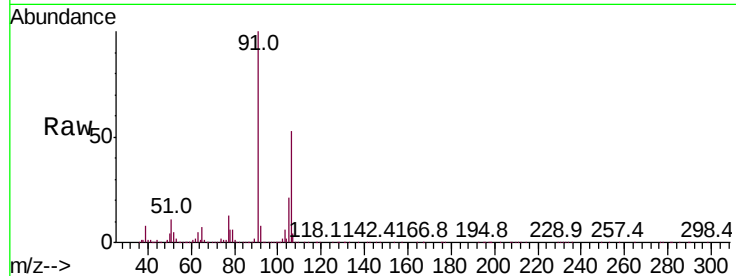




#69
o-Xylene
Concen: 48.235 ug/l
RT: 10.84 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VF062799.D
Acq: 30 May 2019 17:28

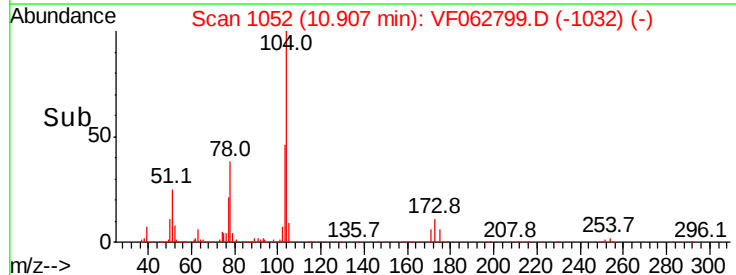
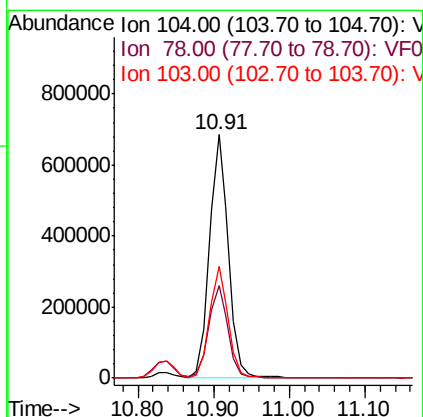
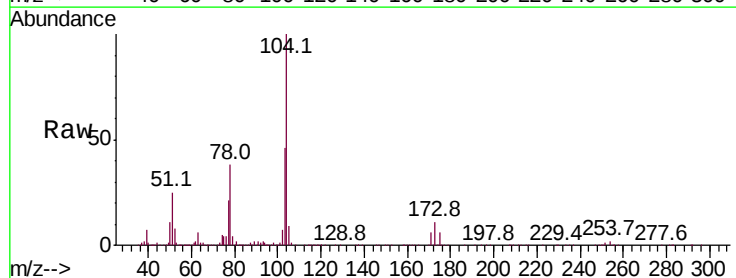
Instrument :
MSVOA_F
ClientSampleId :
ICVVF053019

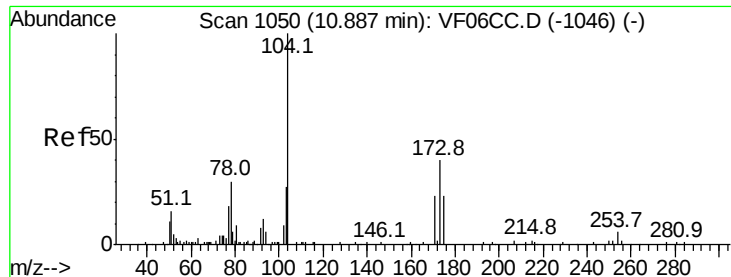
Tot Ion:106 Resp: 786652
Ion Ratio Lower Upper
106 100
91 189.3 96.6 289.8



#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 :

ICVVF053019

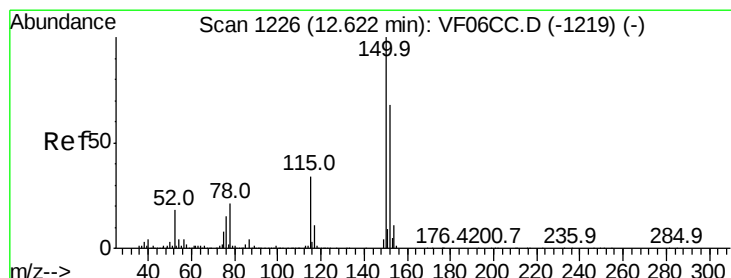
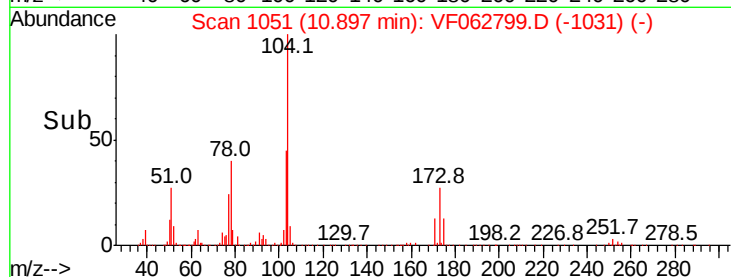
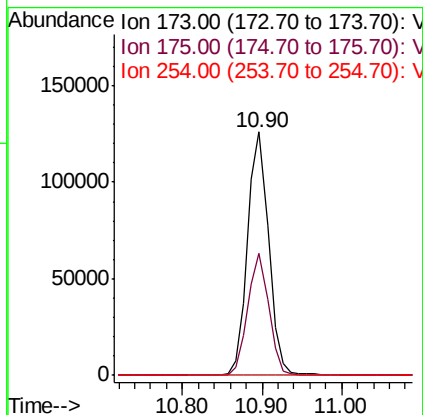
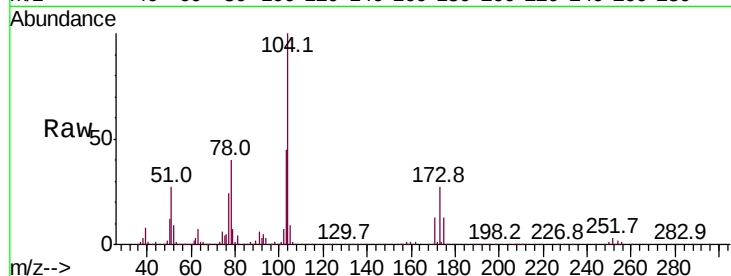
Tot Ion:173 Resp: 229074

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

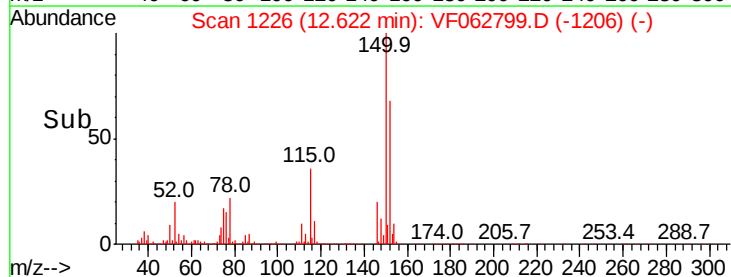
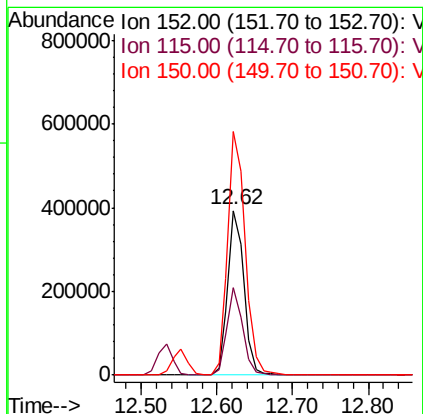
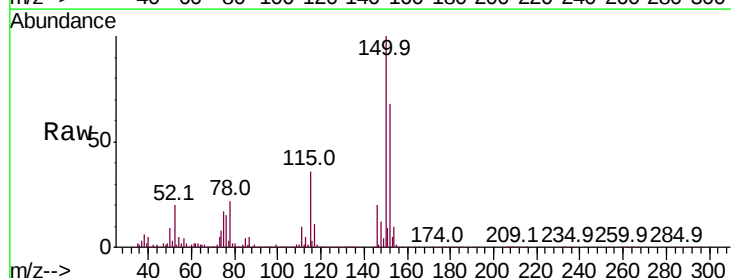
Tgt Ion:152 Resp: 579716

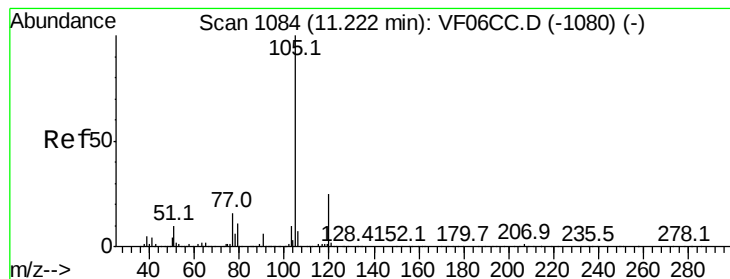
Ion Ratio Lower Upper

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 :

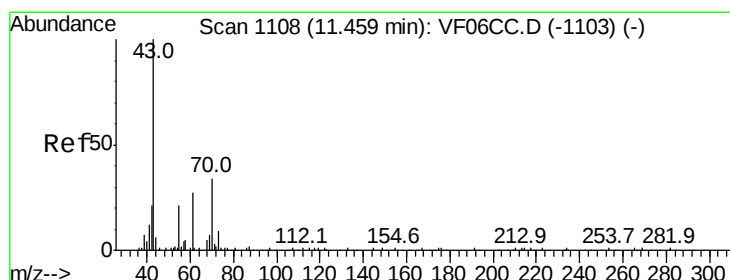
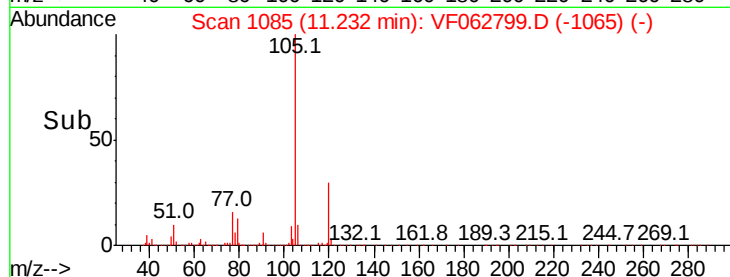
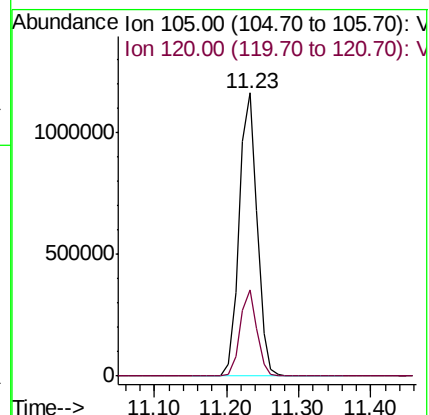
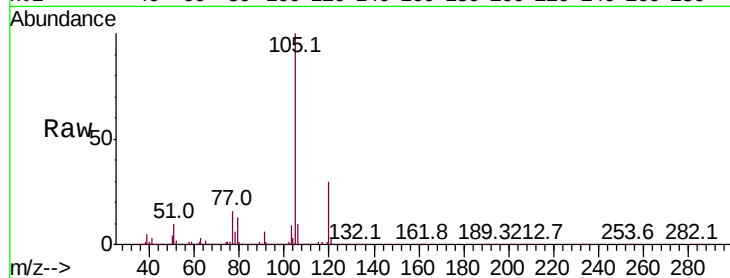
ICVVF053019

Tot Ion:105 Resp: 2028805

Ion Ratio Lower Upper

105 100

120 30.5 15.1 45.3



#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

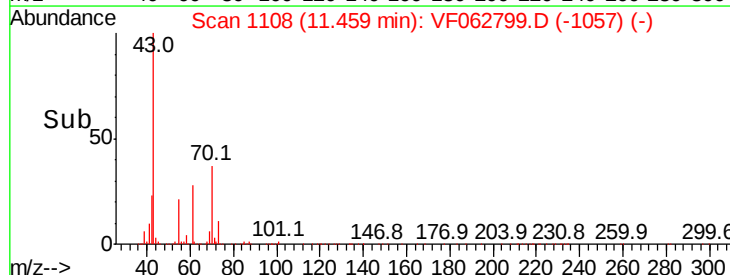
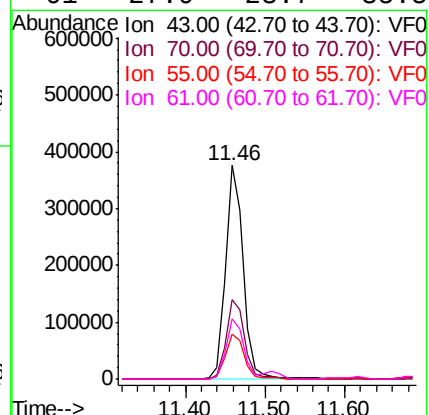
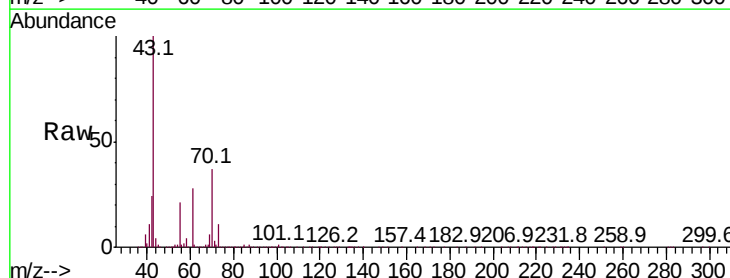
Ion Ratio Lower Upper

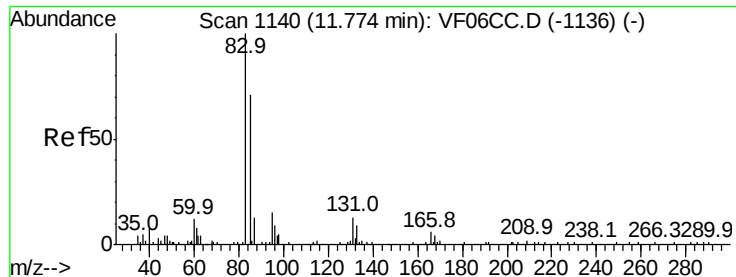
43 100

70 37.2 32.9 49.3

55 20.8 17.3 25.9

61 27.9 23.7 35.5





#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 :

ICVVF053019

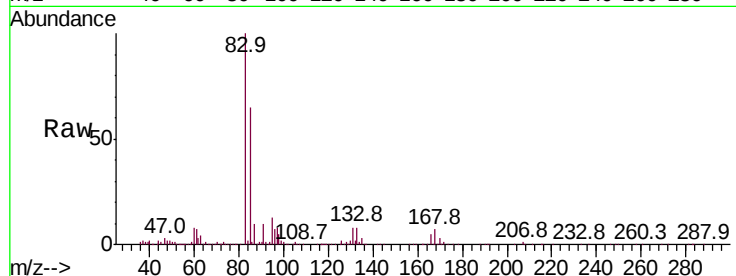
Tot Ion: 83 Resp: 395036

Ion Ratio Lower Upper

83 100

131 7.9 4.9 14.7

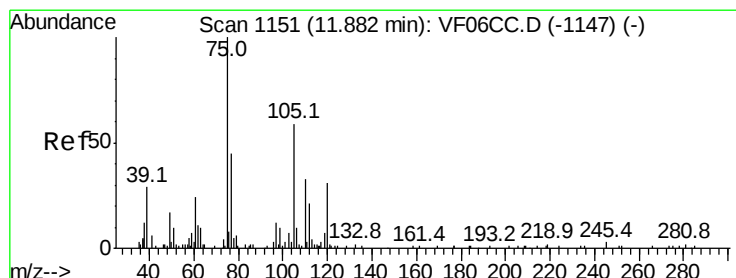
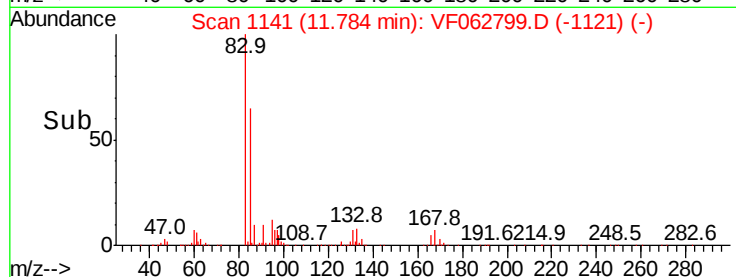
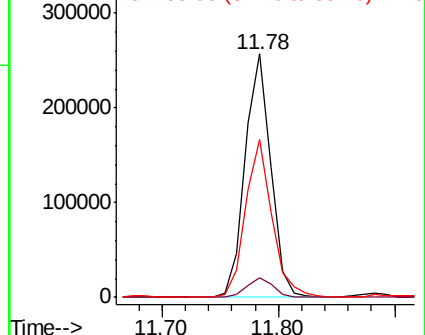
85 64.6 32.1 96.5



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

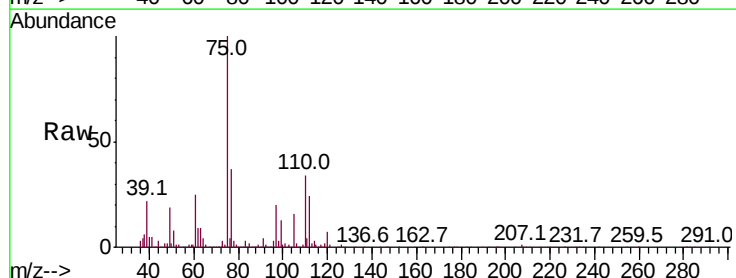
Acq: 30 May 2019 17:28

Tgt Ion: 75 Resp: 248318

Ion Ratio Lower Upper

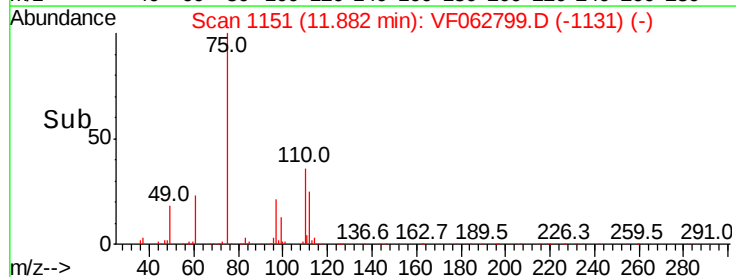
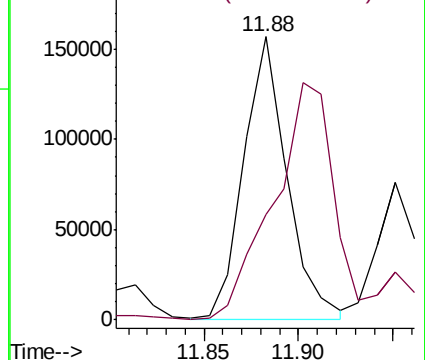
75 100

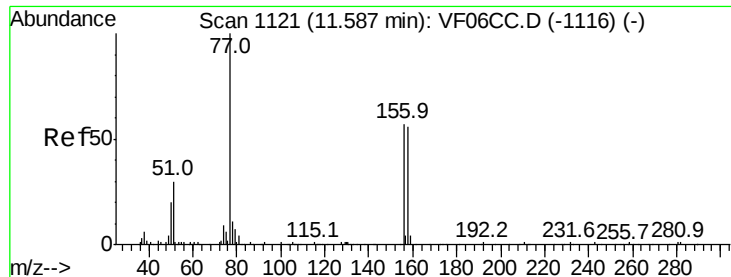
77 37.1 20.1 60.2



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 :

ICVVF053019

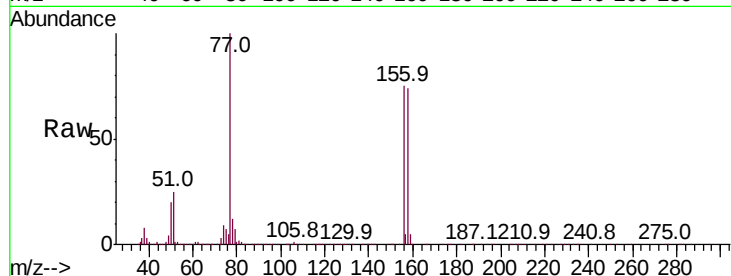
Tot Ion:156 Resp: 501776

Ion Ratio Lower Upper

156 100

77 133.8 64.2 192.6

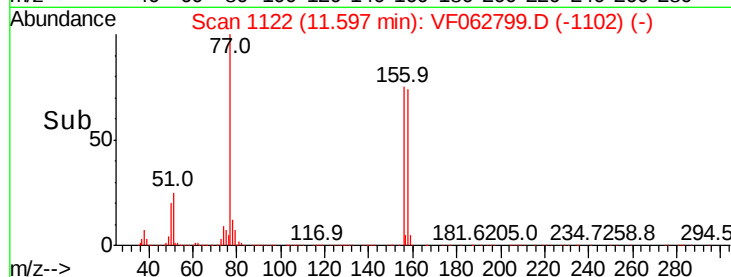
158 98.5 50.3 151.0



Abundance Ion 156.00 (155.70 to 156.70): V

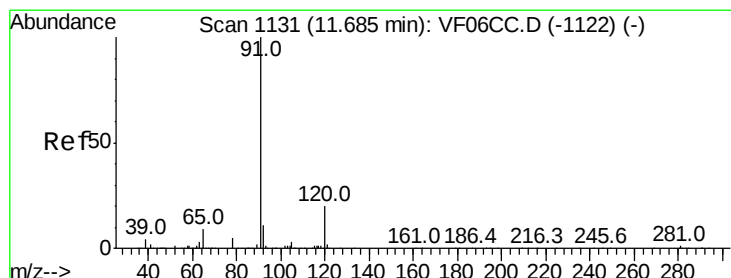
Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



11.60

Time-->



#78

n-propylbenzene

Concen: 46.573 ug/l

RT: 11.69 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF062799.D

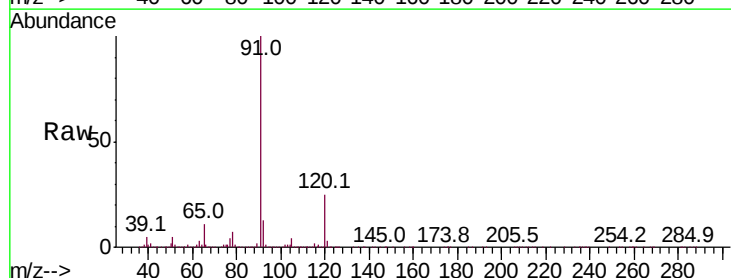
Acq: 30 May 2019 17:28

Tgt Ion: 91 Resp: 2274691

Ion Ratio Lower Upper

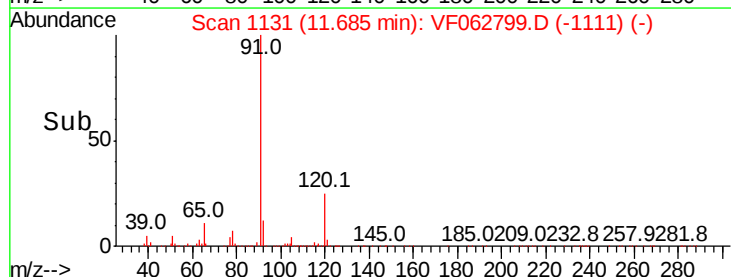
91 100

120 24.8 12.8 38.4



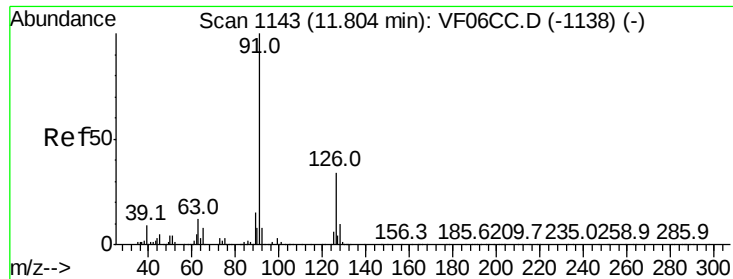
Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V



11.69

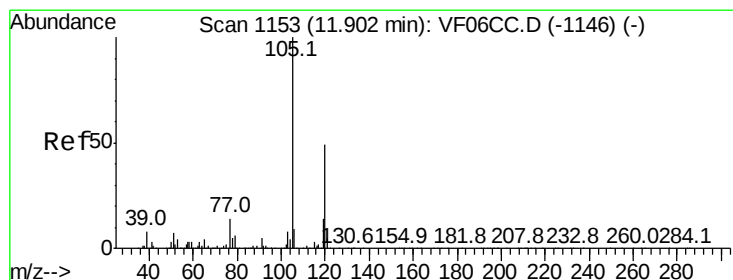
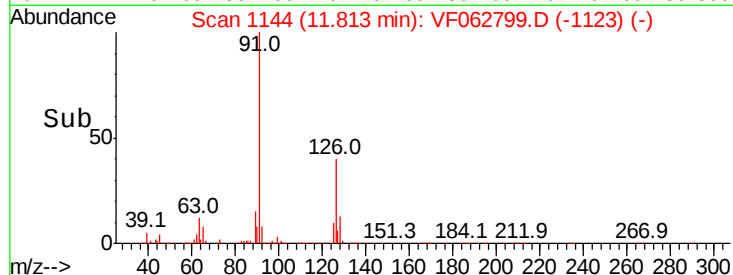
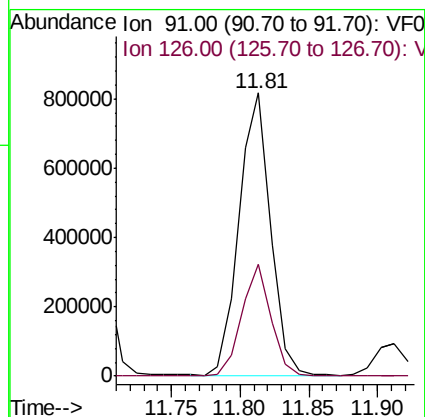
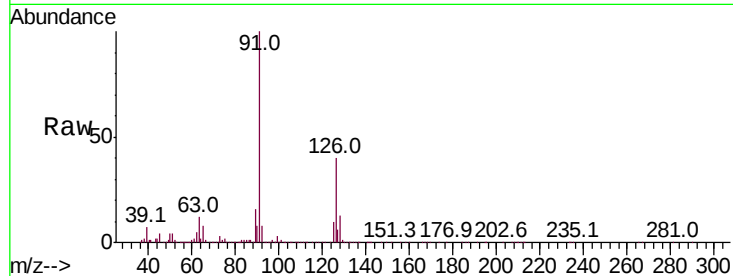
Time-->



#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

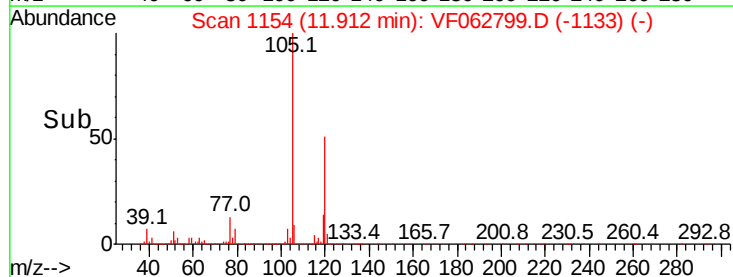
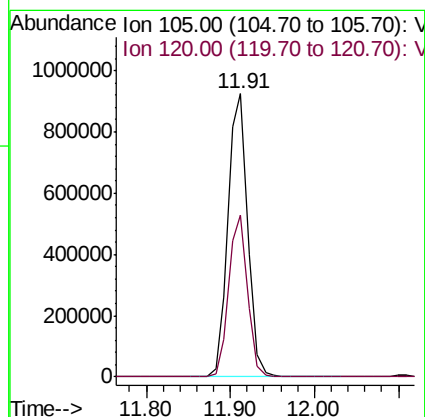
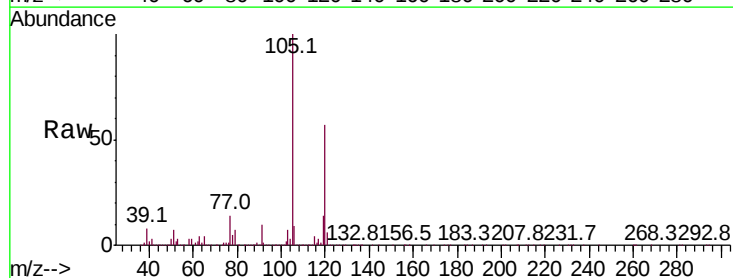
Instrument :
MSVOA_F
ClientSampleId :
ICVVF053019

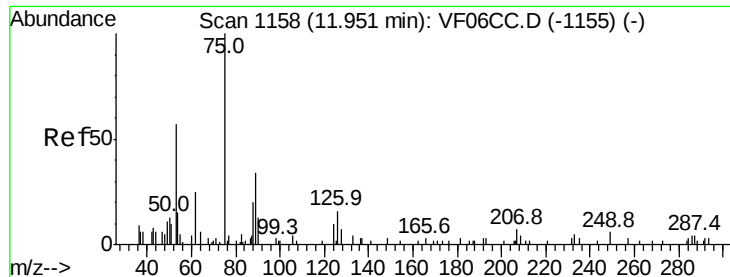
Tot Ion: 91 Resp: 1289907
Ion Ratio Lower Upper
91 100
126 39.5 17.8 53.3



#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: 46.693 ug/l m

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 :

ICVVF053019

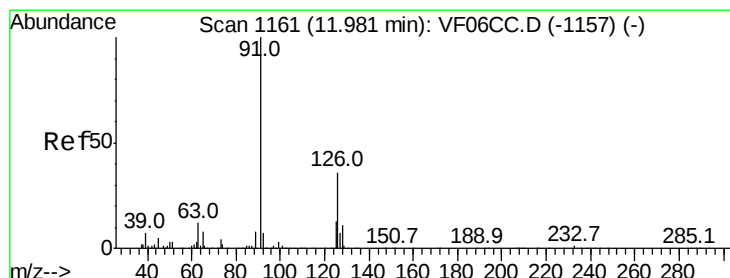
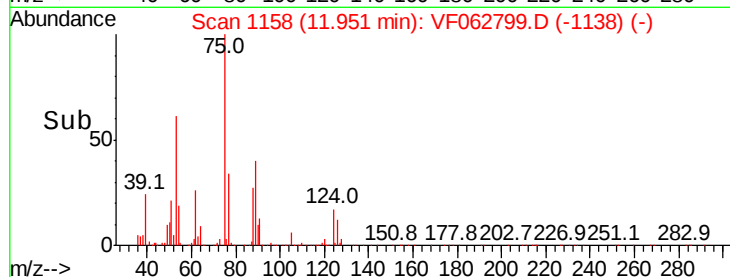
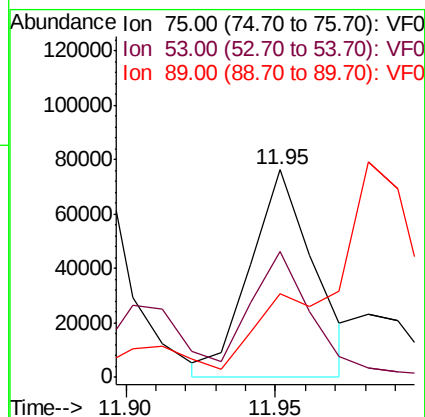
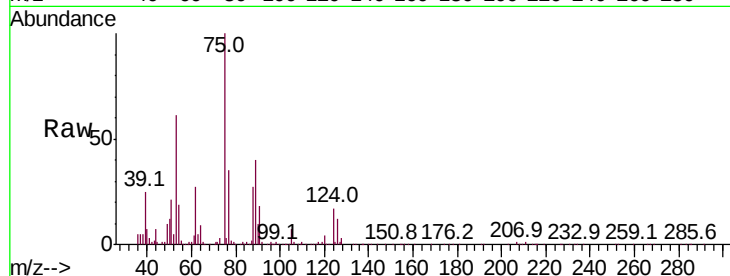
Tot Ion: 75 Resp: 113191

Ion Ratio Lower Upper

75 100

53 61.0 43.5 65.3

89 40.2 34.3 51.5



#82

4-Chlorotoluene

Concen: 47.345 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VF062799.D

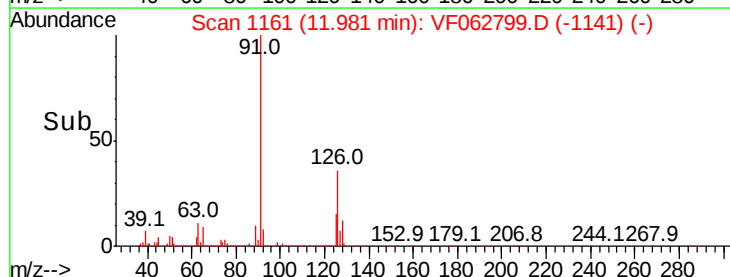
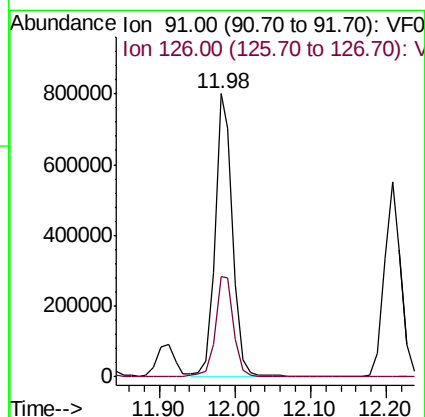
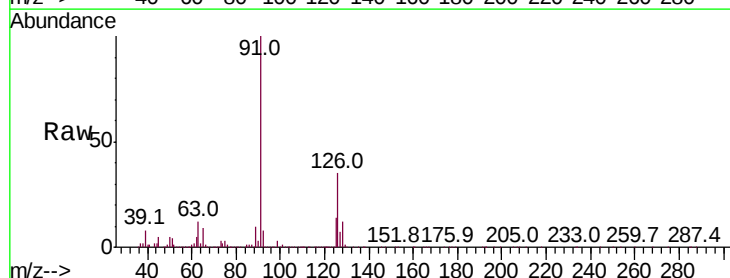
Acq: 30 May 2019 17:28

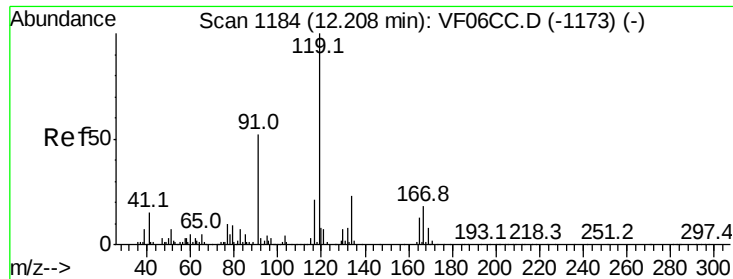
Tgt Ion: 91 Resp: 1300308

Ion Ratio Lower Upper

91 100

126 35.2 19.1 57.1

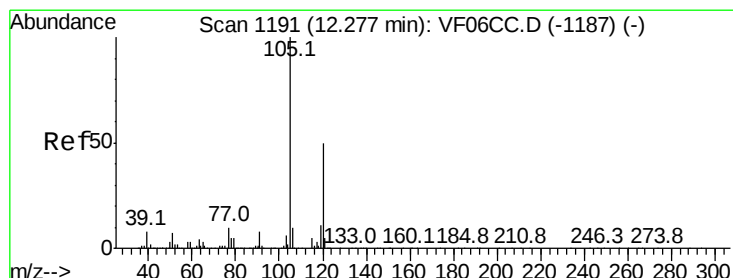
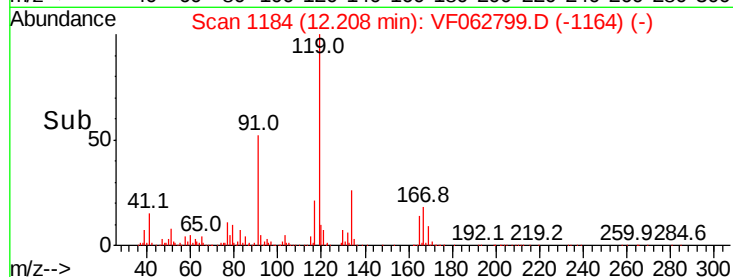
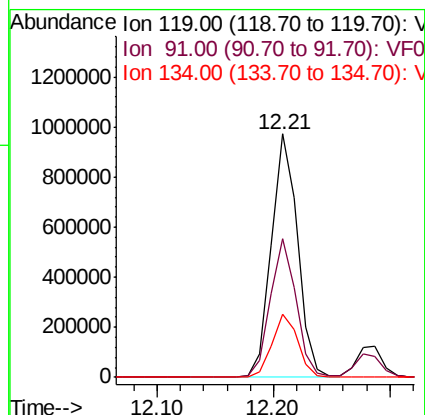
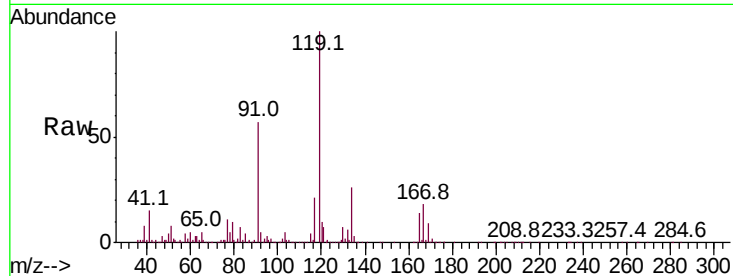




#83
tert-Butylbenzene
Concen: 46.331 ug/l
RT: 12.21 min Scan# 1184
Delta R.T. -0.00 min
Lab File: VF062799.D
Acq: 30 May 2019 17:28

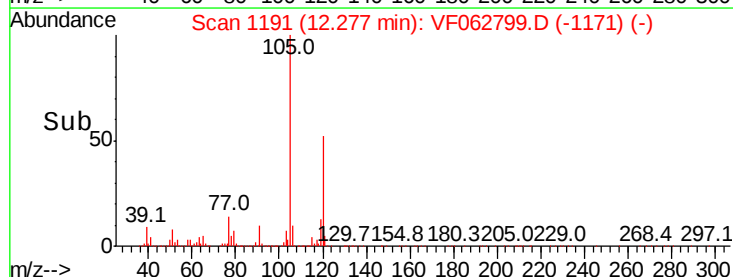
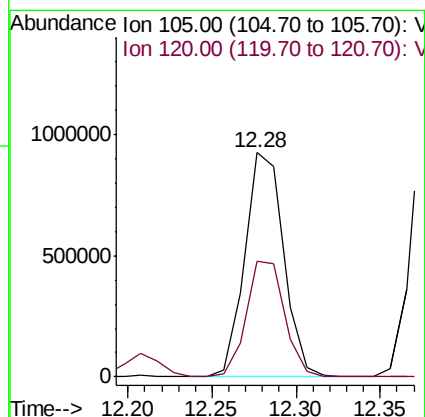
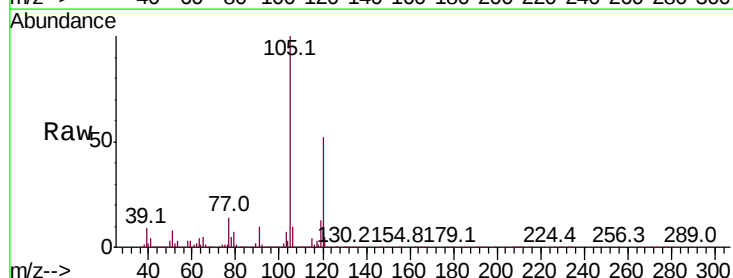
Instrument :
MSVOA_F
ClientSampleId :
ICVVF053019

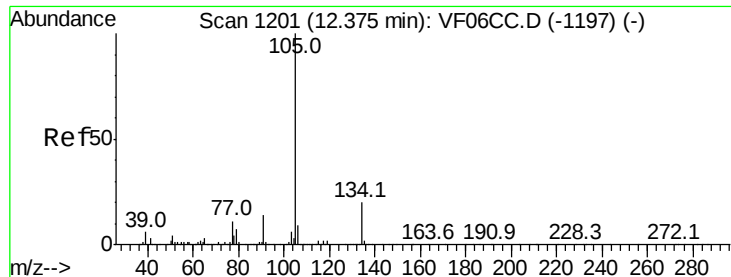
Tot Ion:119 Resp: 1518621
Ion Ratio Lower Upper
119 100
91 56.8 28.9 86.7
134 25.7 14.3 42.9



#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 :

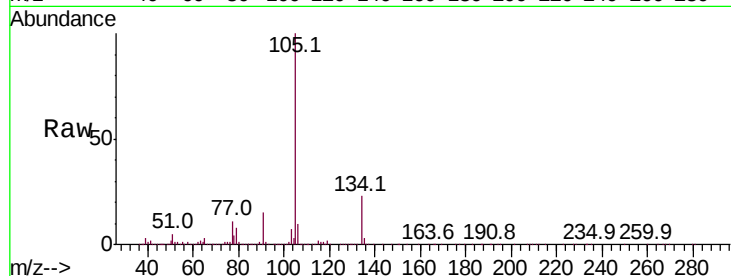
ICVVF053019

Tot Ion:105 Resp: 2047201

Ion Ratio Lower Upper

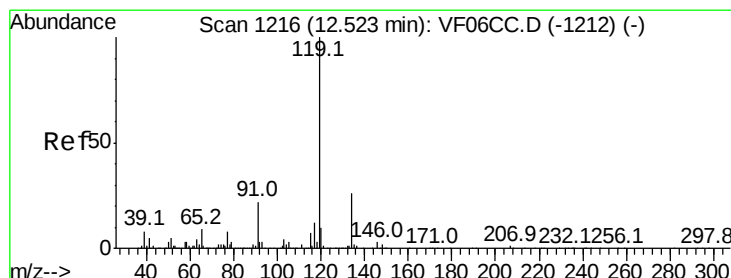
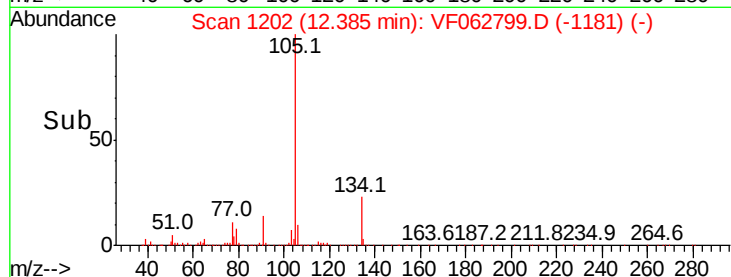
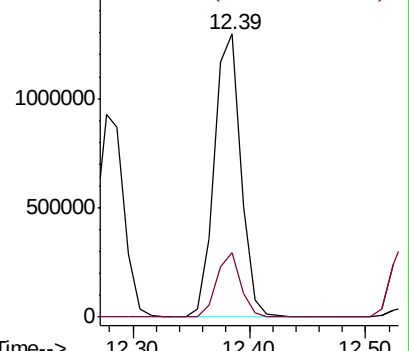
105 100

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



#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

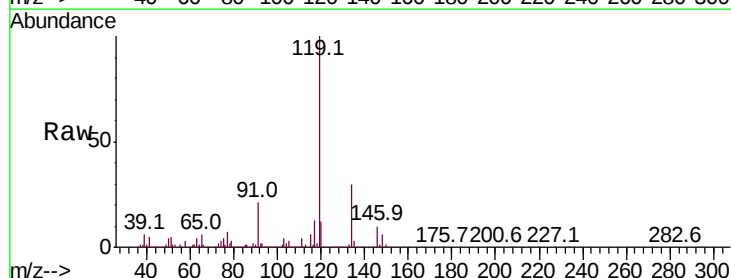
Tgt Ion:119 Resp: 1709293

Ion Ratio Lower Upper

119 100

134 29.7 15.5 46.5

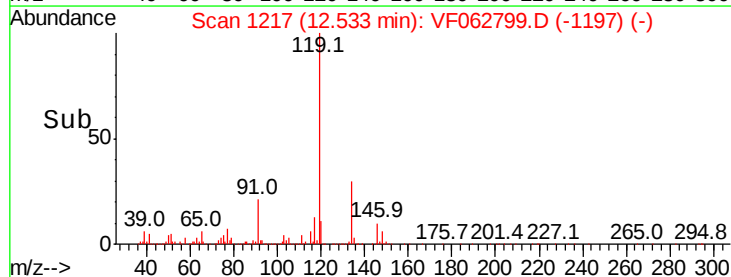
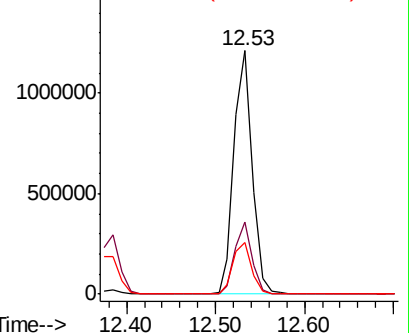
91 21.3 10.3 30.9

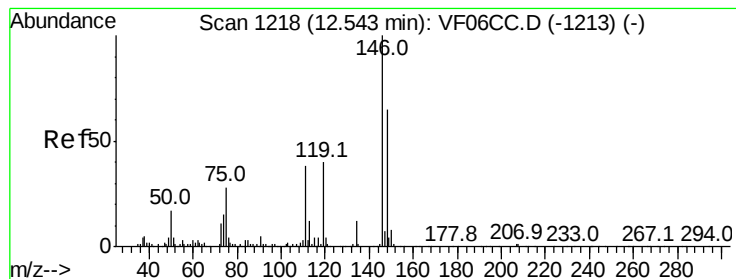


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#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 :

ICVVF053019

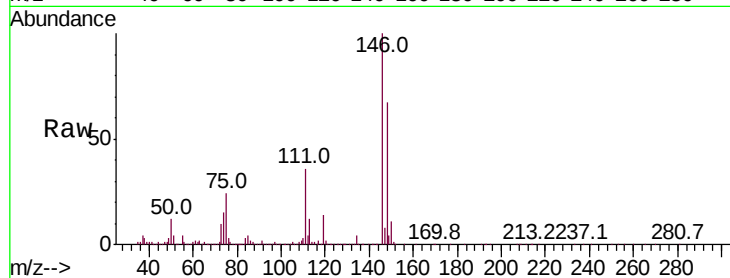
Tot Ion:146 Resp: 821316

Ion Ratio Lower Upper

146 100

111 35.7 19.6 58.8

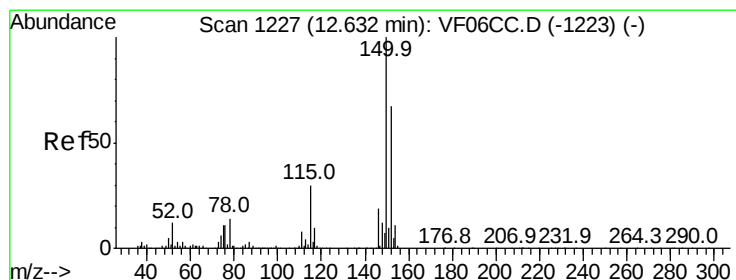
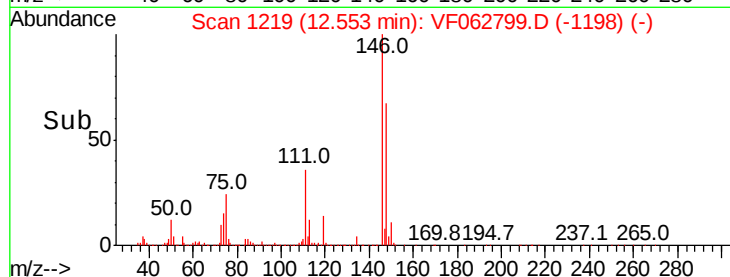
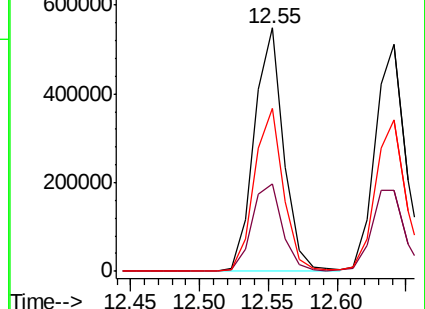
148 66.8 34.2 102.5



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

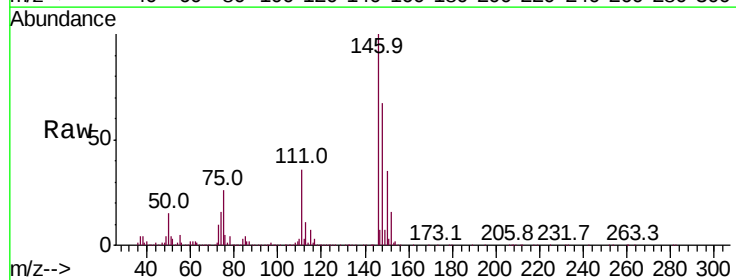
Tgt Ion:146 Resp: 785716

Ion Ratio Lower Upper

146 100

111 35.6 20.3 60.9

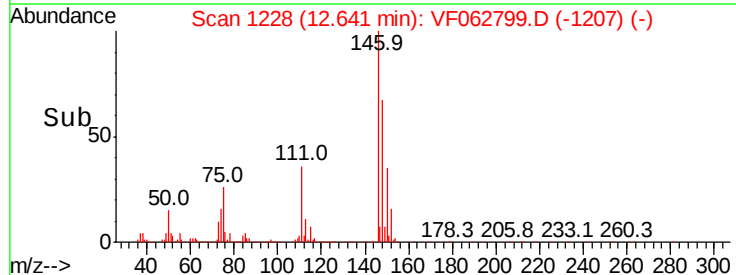
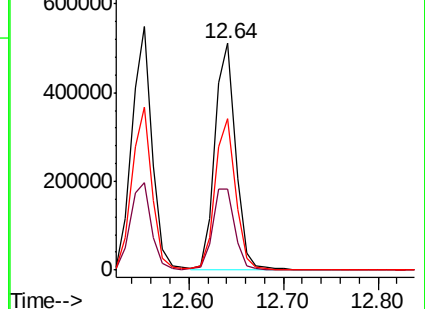
148 66.9 34.0 101.8

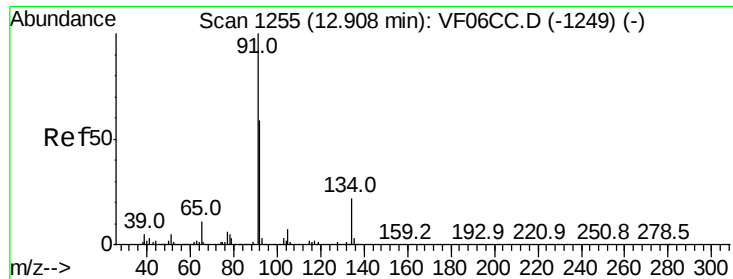


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

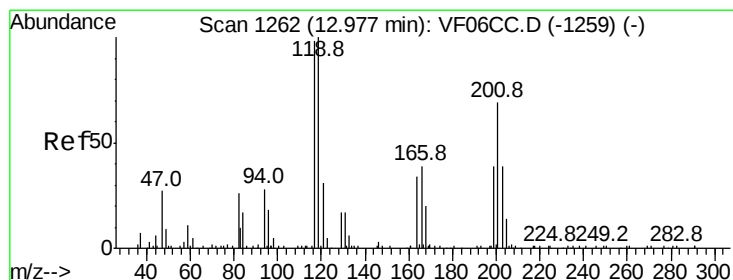
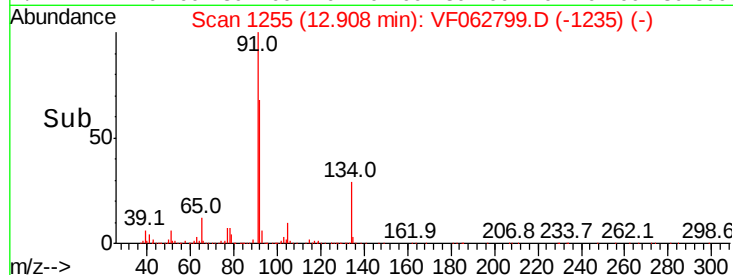
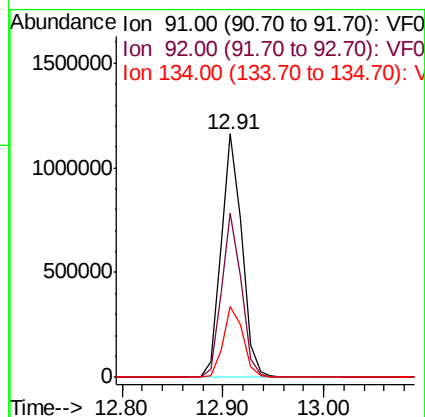
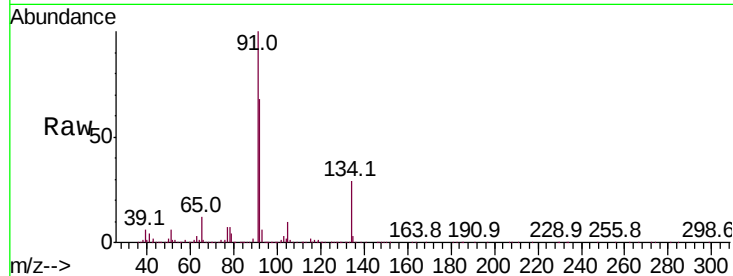




#89
n-Butylbenzene
Concen: 46.294 ug/l
RT: 12.91 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VF062799.D
Acq: 30 May 2019 17:28

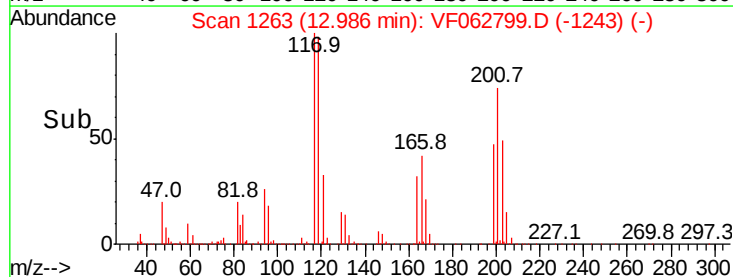
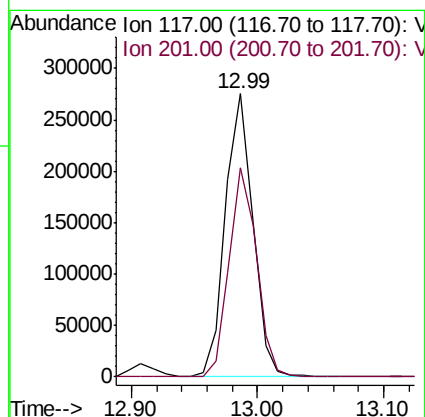
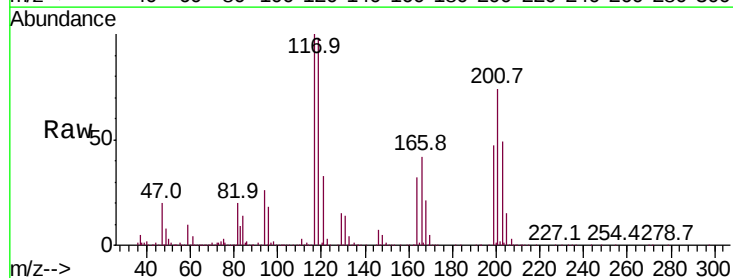
Instrument :
MSVOA_F
ClientSampleId :
ICVVF053019

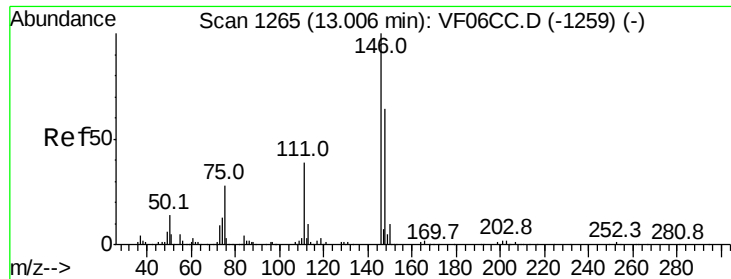
Tot Ion: 91 Resp: 1674151
Ion Ratio Lower Upper
91 100
92 67.6 34.2 102.6
134 29.1 15.8 47.3



#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

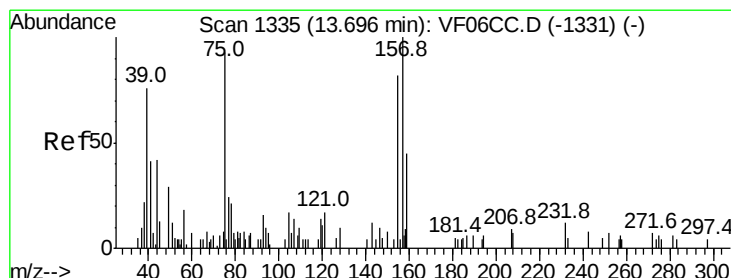
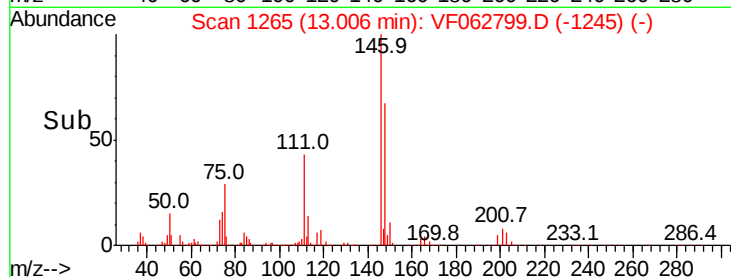
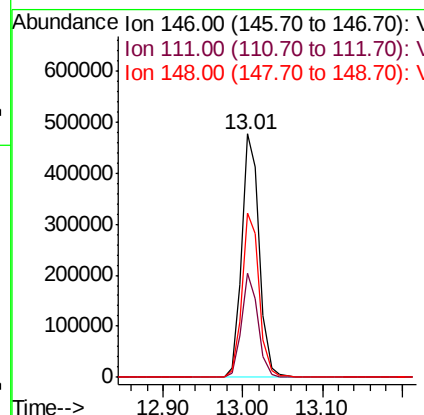
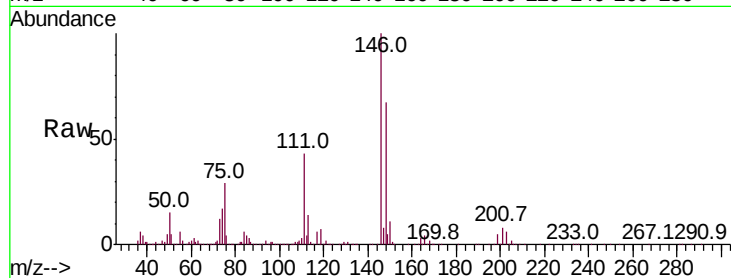




#91
 1,2-Dichlorobenzene
 Concen: 46.613 ug/l
 RT: 13.01 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VF062799.D
 Acq: 30 May 2019 17:28

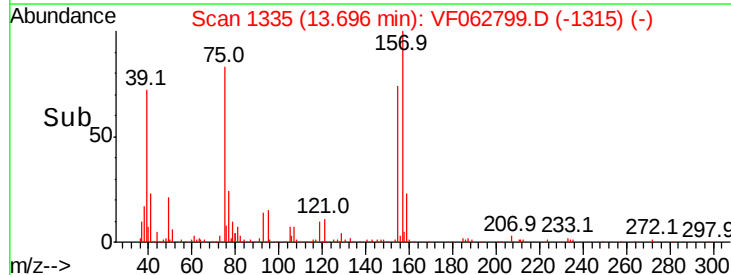
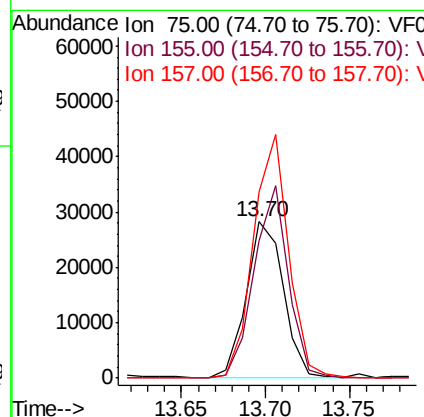
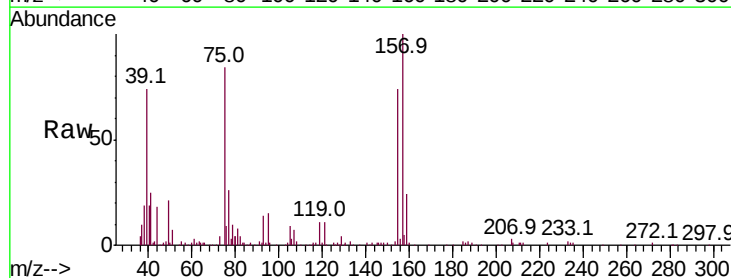
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV053019

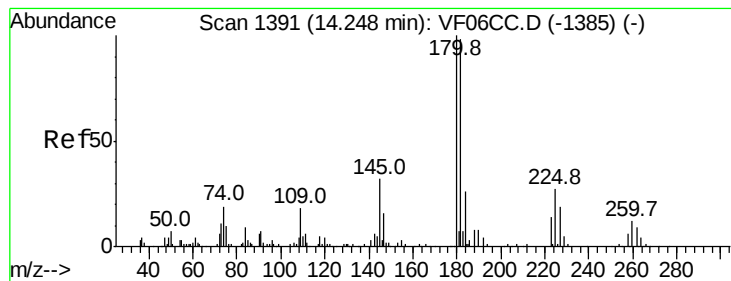
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	20.4	61.3
148	67.3	34.1	102.3



#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	Ratio	Lower	Upper
75	100		
155	87.9	51.7	155.1
157	119.2	66.8	200.6





#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 :

ICVVF053019

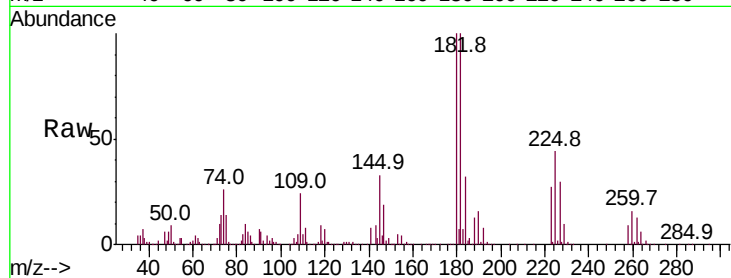
Tot Ion:180 Resp: 528898

Ion Ratio Lower Upper

180 100

182 100.3 50.3 150.9

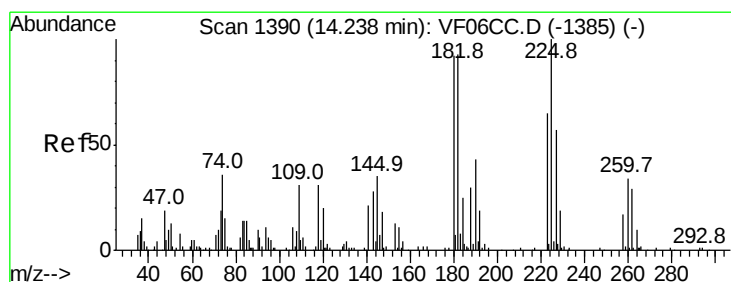
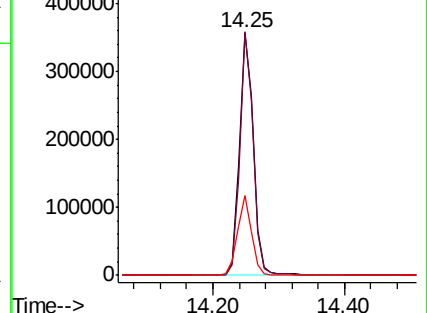
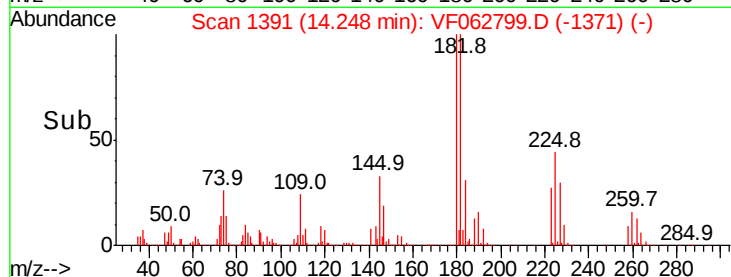
145 32.7 15.4 46.2



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

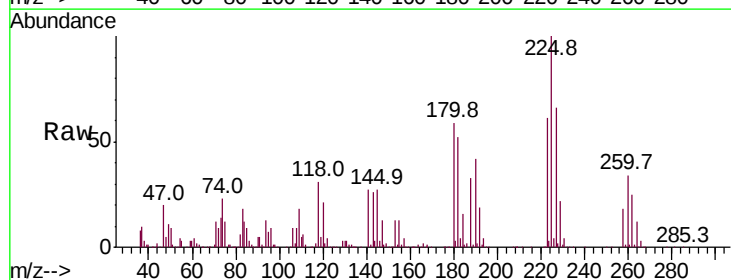
Tgt Ion:225 Resp: 364221

Ion Ratio Lower Upper

225 100

223 60.7 30.8 92.4

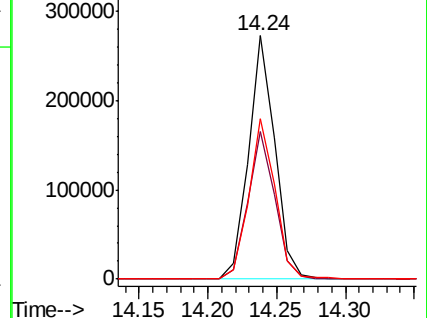
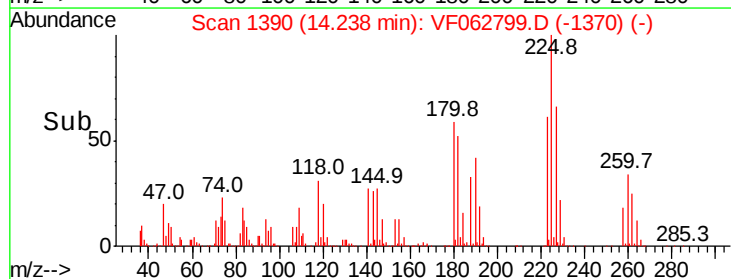
227 66.1 31.9 95.5

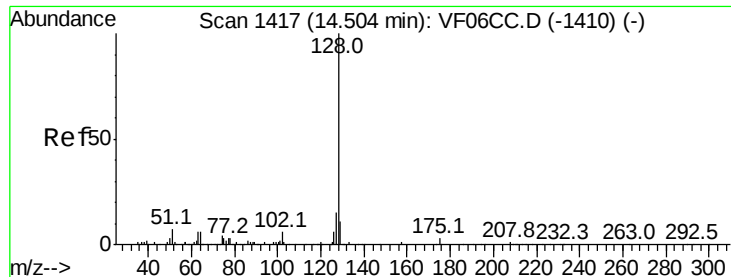


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

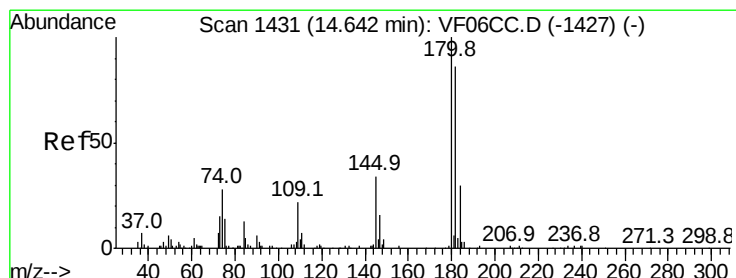
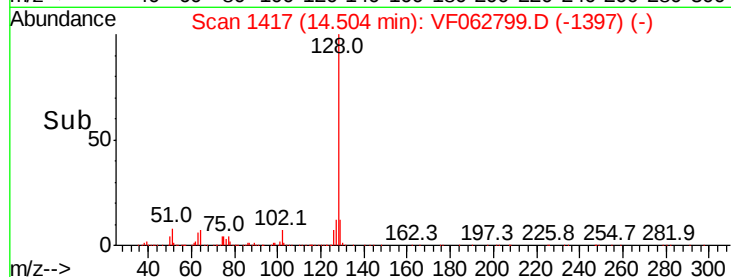
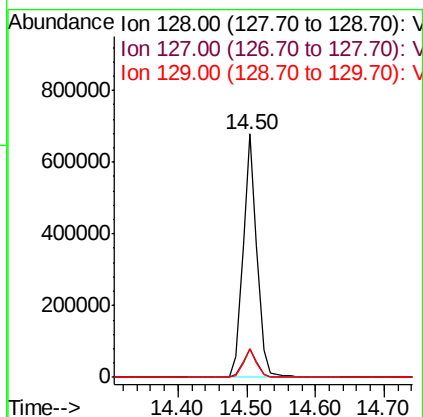
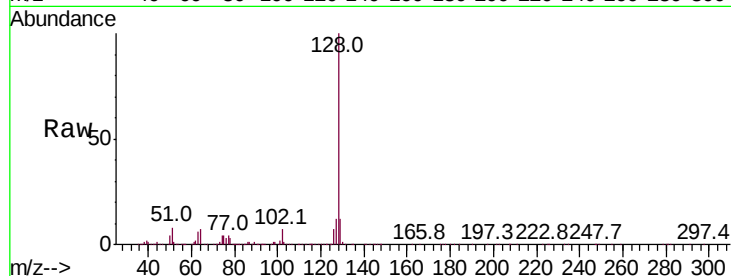




#95
Naphthalene
Concen: 53.229 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. -0.00 min
Lab File: VF062799.D
Acq: 30 May 2019 17:28

Instrument :
MSVOA_F
ClientSampleId :
ICVVF053019

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

