

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052919\
 Data File : VF062777.D
 Acq On : 29 May 2019 12:41
 Operator : FY/SY
 Sample : VF0529SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 30 08:37:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	733347	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1228719	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	902266	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	469019	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.05	65	221016	42.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.30%	
35) Dibromofluoromethane	4.33	113	414617	44.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.20%	
50) Toluene-d8	7.73	98	967029	43.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.16%	
62) 4-Bromofluorobenzene	11.50	95	361261	42.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	187457	18.784	ug/l	94
3) Chloromethane	1.14	50	160546	17.471	ug/l	99
4) Vinyl Chloride	1.19	62	167472	19.799	ug/l	99
5) Bromomethane	1.38	94	90260	19.506	ug/l	92
6) Chloroethane	1.45	64	59543	19.167	ug/l	100
7) Trichlorofluoromethane	1.56	101	247140	21.760	ug/l	89
8) Diethyl Ether	1.73	74	46568	20.697	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	1.92	101	152308	21.061	ug/l	95
10) Methyl Iodide	1.99	142	295526	20.802	ug/l	95
11) Tert butyl alcohol	2.72	59	36026	105.298	ug/l #	90
12) 1,1-Dichloroethene	1.87	96	129534	19.663	ug/l	99
13) Acrolein	2.11	56	28850	80.781	ug/l	84
14) Allyl chloride	2.21	41	131457	22.048	ug/l	100
15) Acrylonitrile	3.13	53	124190	128.681	ug/l #	91
16) Acetone	2.37	43	127129	94.560	ug/l	95
17) Carbon Disulfide	1.91	76	376795	19.297	ug/l #	93
18) Methyl Acetate	2.47	43	51362	24.311	ug/l	96
19) Methyl tert-butyl Ether	2.56	73	263110	22.341	ug/l	98
20) Methylene Chloride	2.36	84	75648	11.226	ug/l	86
21) trans-1,2-Dichloroethene	2.44	96	149761	23.258	ug/l	94
22) Diisopropyl ether	2.95	45	308312	20.966	ug/l	96
23) Vinyl Acetate	3.36	43	1049360	105.783	ug/l	98
24) 1,1-Dichloroethane	3.03	63	230891	21.403	ug/l	99
25) 2-Butanone	4.54	43	299926	104.418	ug/l	95
26) 2,2-Dichloropropane	3.80	77	150473	24.378	ug/l	89
27) cis-1,2-Dichloroethene	3.67	96	249695	23.575	ug/l	93
28) Bromochloromethane	3.93	49	108138	17.873	ug/l	96
29) Tetrahydrofuran	4.29	42	133717	115.041	ug/l	98
30) Chloroform	4.07	83	338139	22.576	ug/l	98
31) Cyclohexane	3.90	56	295402	20.394	ug/l	94
32) 1,1,1-Trichloroethane	4.32	97	221983	22.316	ug/l	99
36) 1,1-Dichloropropene	4.50	75	258039	20.495	ug/l	98
37) Ethyl Acetate	4.33	43	103186	20.072	ug/l	82
38) Carbon Tetrachloride	4.21	117	199044	21.020	ug/l	90

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	336806	22.232	ug/l	95
40) Benzene	4.85	78	801730	23.374	ug/l	99
41) Methacrylonitrile	4.95	41	56465	20.951	ug/l	94
42) 1,2-Dichloroethane	5.16	62	141813	20.733	ug/l	90
43) Isopropyl Acetate	7.14	43	135764	20.385	ug/l #	88
44) Trichloroethene	5.71	130	218540	22.670	ug/l	98
45) 1,2-Dichloropropane	6.43	63	198423	22.916	ug/l	96
46) Dibromomethane	6.28	93	121048	24.190	ug/l	94
47) Bromodichloromethane	6.58	83	234704	22.593	ug/l #	98
48) Methyl methacrylate	6.90	41	69980	20.103	ug/l	97
49) 1,4-Dioxane	6.91	88	16601	372.341	ug/l #	70
51) 4-Methyl-2-Pentanone	8.42	43	535802	117.697	ug/l	99
52) Toluene	7.80	92	417915	23.232	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	197789	23.272	ug/l	94
54) cis-1,3-Dichloropropene	7.48	75	280034	23.538	ug/l	99
55) 1,1,2-Trichloroethane	8.66	97	136264	25.584	ug/l	97
56) Ethyl methacrylate	8.77	69	134210	21.151	ug/l	97
57) 1,3-Dichloropropane	9.01	76	214267	23.618	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.47	63	222102	107.532	ug/l	96
59) 2-Hexanone	9.64	43	371373	115.818	ug/l	98
60) Dibromochloromethane	8.88	129	165953	23.907	ug/l	98
61) 1,2-Dibromoethane	9.15	107	134645	23.801	ug/l	95
64) Tetrachloroethene	8.33	164	162882	22.787	ug/l	96
65) Chlorobenzene	9.95	112	436687	24.642	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.07	131	184253	25.899	ug/l	94
67) Ethyl Benzene	10.04	91	793528	25.776	ug/l	97
68) m/p-Xylenes	10.27	106	593771	51.317	ug/l	90
69) o-Xylene	10.83	106	302266	25.362	ug/l	99
70) Styrene	10.90	104	453517	25.036	ug/l	97
71) Bromoform	10.89	173	88398	24.810	ug/l #	89
73) Isopropylbenzene	11.23	105	766983	22.817	ug/l	96
74) N-amyl acetate	11.45	43	225506	23.506	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	166606	24.252	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	106004	23.484	ug/l	91
77) Bromobenzene	11.59	156	190815	22.836	ug/l	95
78) n-propylbenzene	11.68	91	930912	23.400	ug/l	92
79) 2-Chlorotoluene	11.81	91	517687	23.090	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	647902	24.037	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.95	75	64952	32.372	ug/l	98
82) 4-Chlorotoluene	11.99	91	541750	24.503	ug/l	100
83) tert-Butylbenzene	12.20	119	644612	23.572	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	608696	23.332	ug/l	97
85) sec-Butylbenzene	12.38	105	865793	23.591	ug/l	97
86) p-Isopropyltoluene	12.53	119	697581	22.555	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	345045	22.825	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	326844	23.039	ug/l	97
89) n-Butylbenzene	12.90	91	703869	23.082	ug/l	91
90) Hexachloroethane	12.98	117	167822	22.619	ug/l	95
91) 1,2-Dichlorobenzene	13.00	146	304299	22.582	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.69	75	19816	24.180	ug/l	61

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ClientSampleId :

Quant Time: May 30 08:37:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration

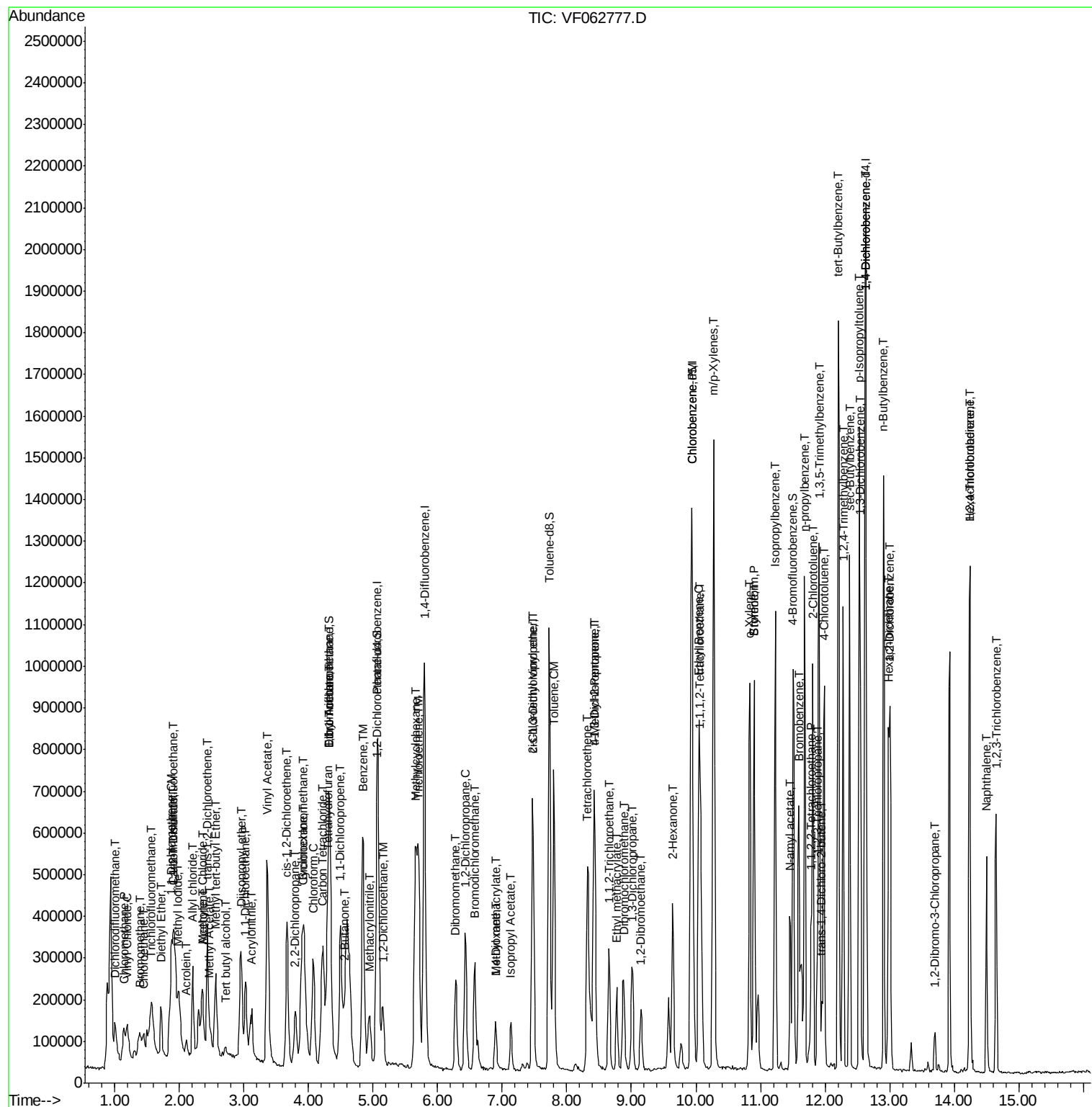
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	204436	21.195	ug/l	97
94) Hexachlorobutadiene	14.23	225	145235	21.576	ug/l	94
95) Naphthalene	14.50	128	343138	19.582	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	192144	21.030	ug/l	97

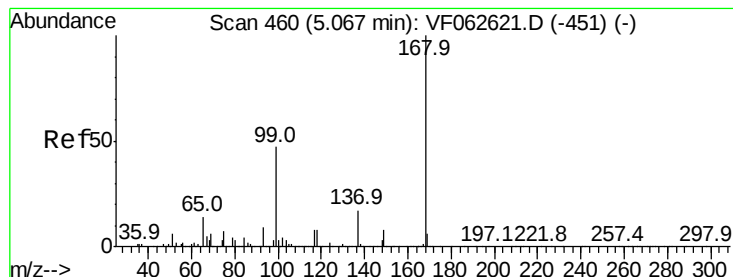
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052919\
 Data File : VF062777.D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

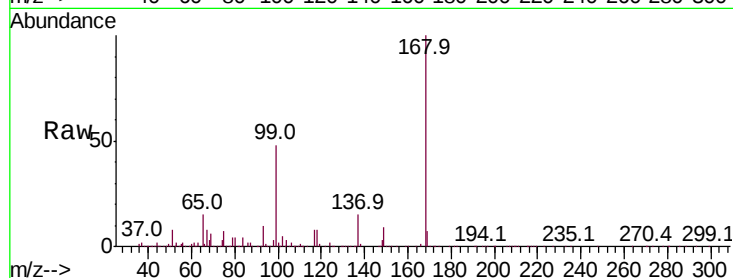
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 733347

Ion Ratio Lower Upper

168 100

99 48.2 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.08

250000

200000

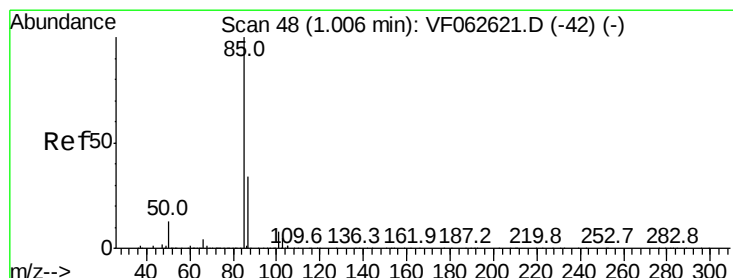
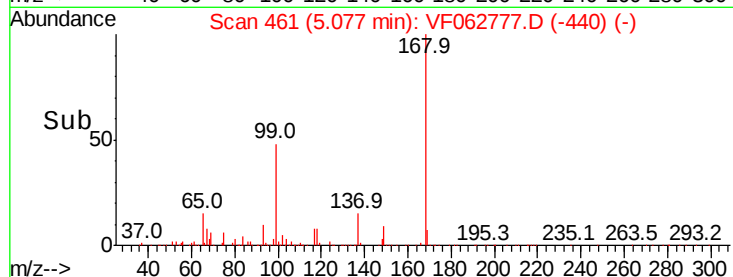
150000

100000

50000

0

Time--> 4.90 5.00 5.10 5.20 5.30



#2

Dichlorodifluoromethane

Concen: 18.784 ug/l

RT: 1.01 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062777.D

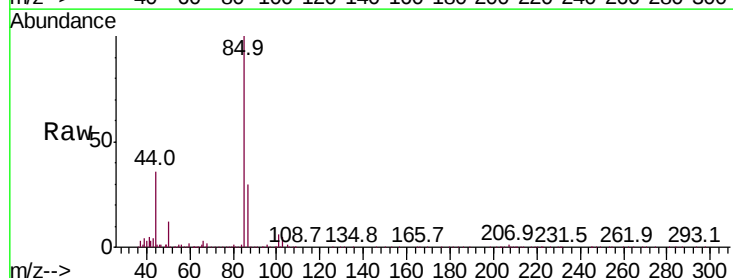
Acq: 29 May 2019 12:41

Tgt Ion: 85 Resp: 187457

Ion Ratio Lower Upper

85 100

87 30.2 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

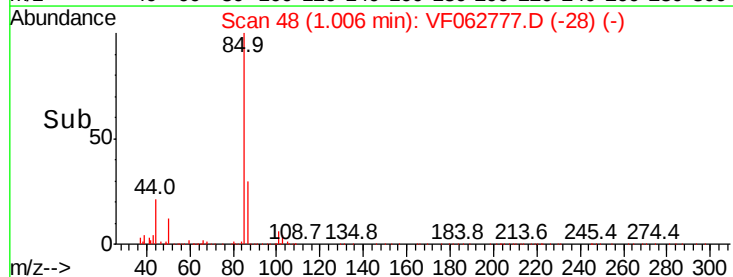
60000

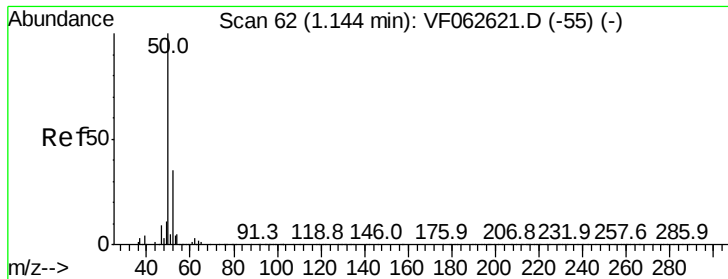
40000

20000

0

Time--> 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 17.471 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

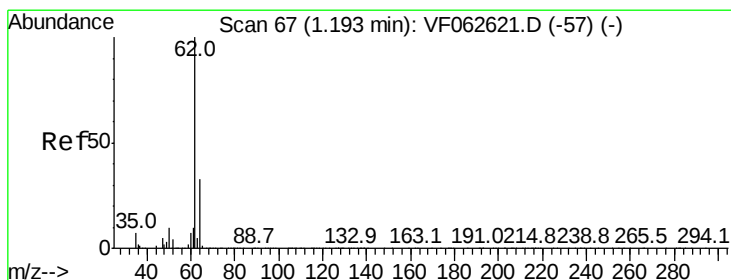
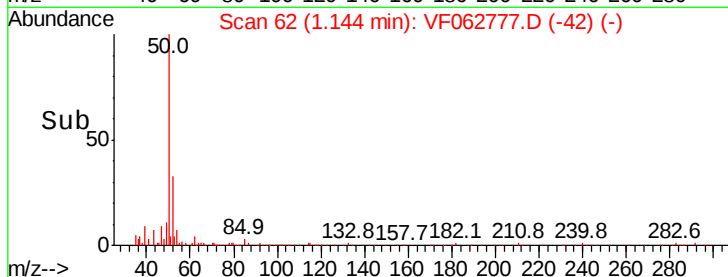
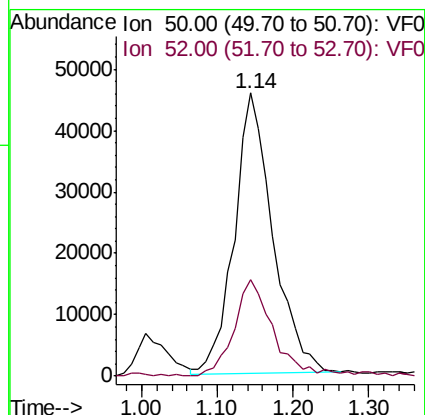
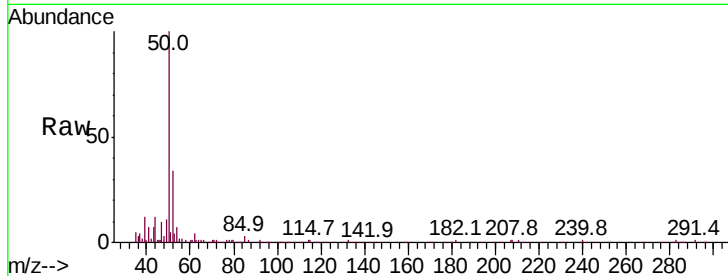
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 160546

Ion Ratio Lower Upper

50 100

52 34.0 27.5 41.3



#4

Vinyl Chloride

Concen: 19.799 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062777.D

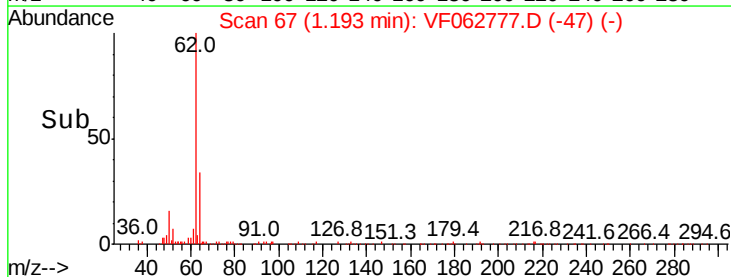
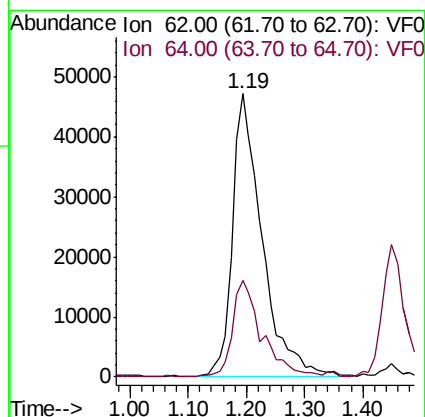
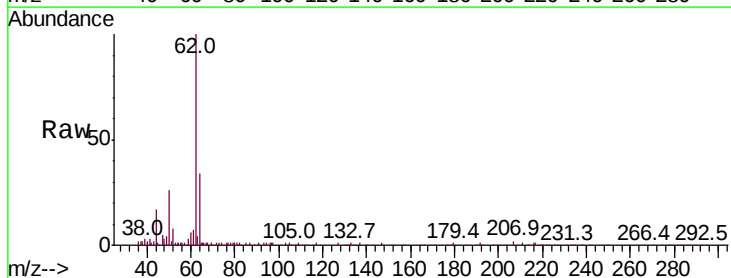
Acq: 29 May 2019 12:41

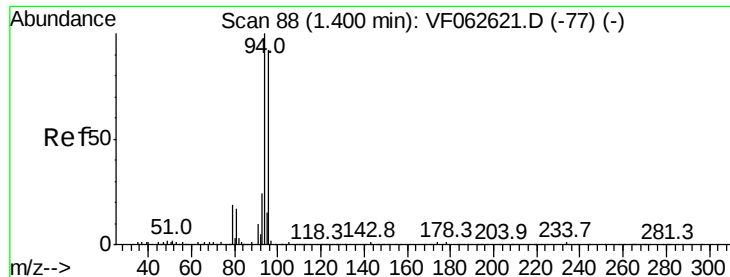
Tgt Ion: 62 Resp: 167472

Ion Ratio Lower Upper

62 100

64 34.1 26.7 40.1





#5

Bromomethane

Concen: 19.506 ug/l

RT: 1.38 min Scan# 86

Delta R.T. -0.02 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

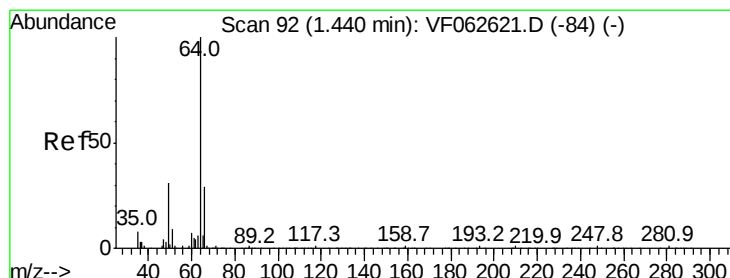
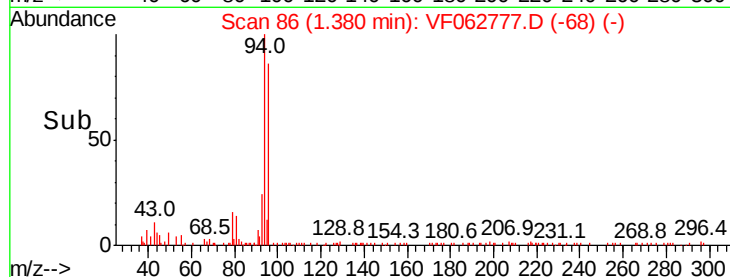
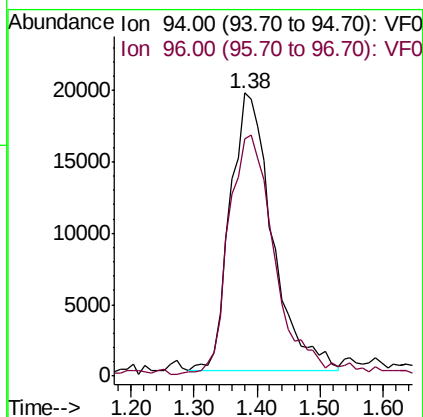
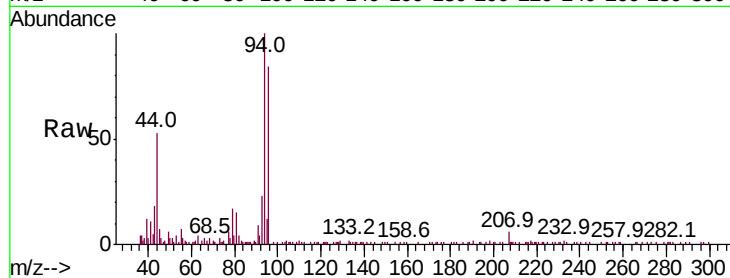
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 90260

Ion Ratio Lower Upper

94 100

96 83.8 73.2 109.8



#6

Chloroethane

Concen: 19.167 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.01 min

Lab File: VF062777.D

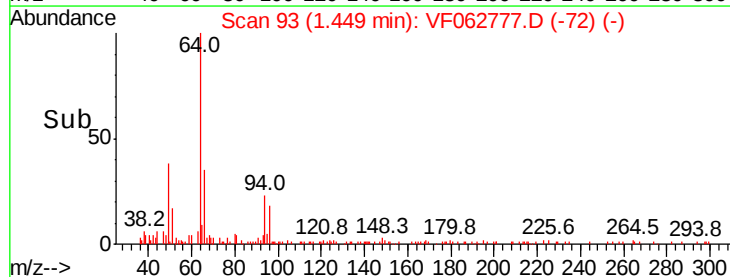
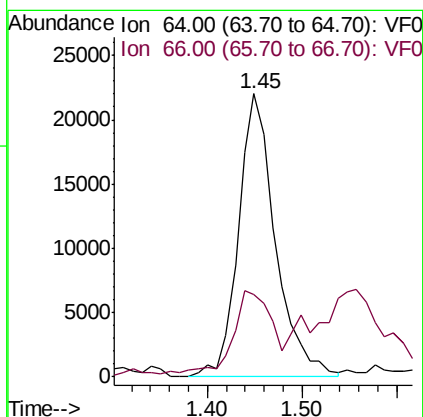
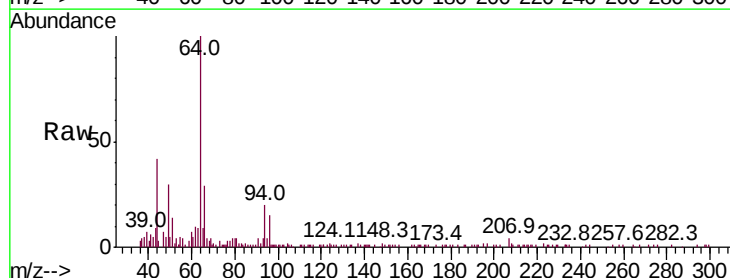
Acq: 29 May 2019 12:41

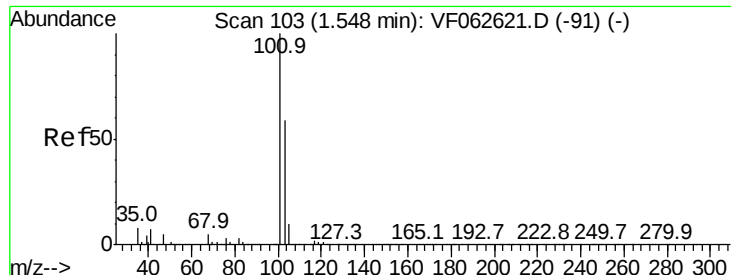
Tgt Ion: 64 Resp: 59543

Ion Ratio Lower Upper

64 100

66 29.2 23.4 35.2



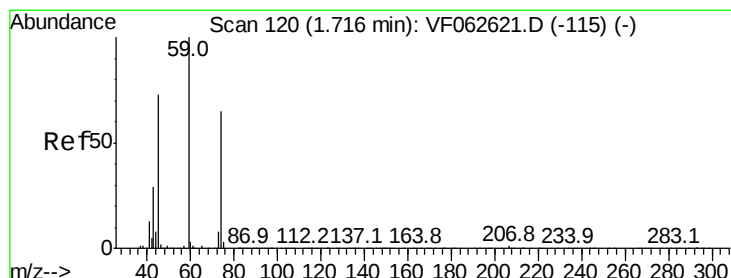
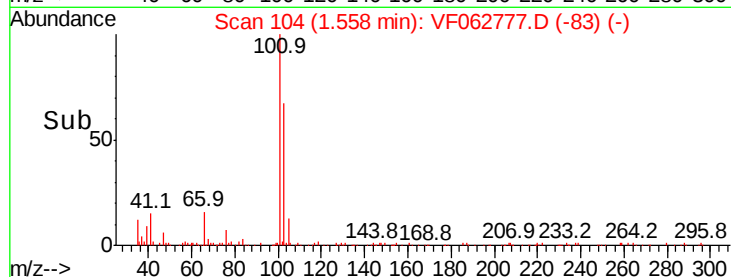
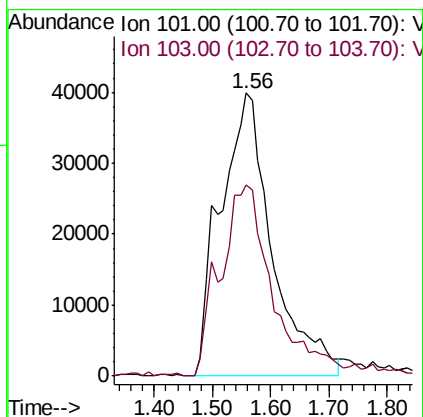
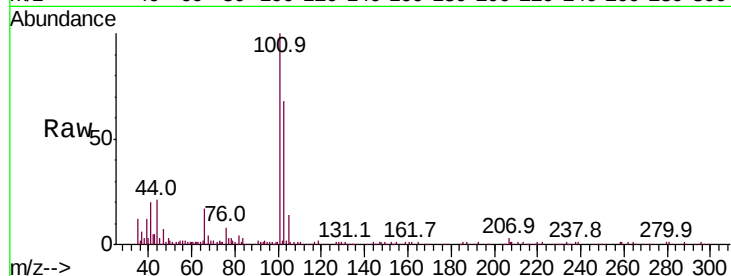


#7

Trichlorofluoromethane
Concen: 21.760 ug/l
RT: 1.56 min Scan# 104
Delta R.T. 0.01 min
Lab File: VF062777.D
Acq: 29 May 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :

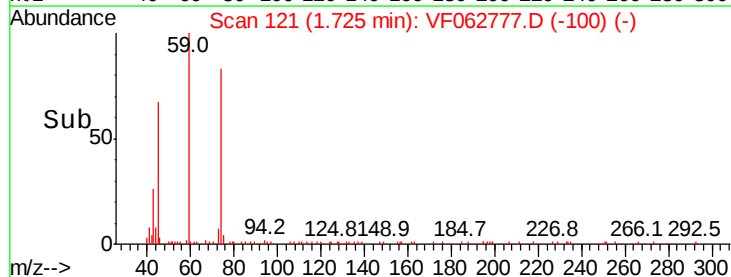
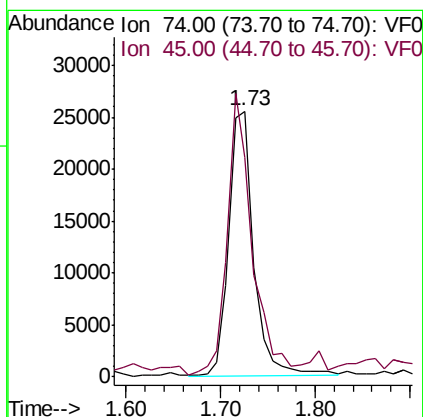
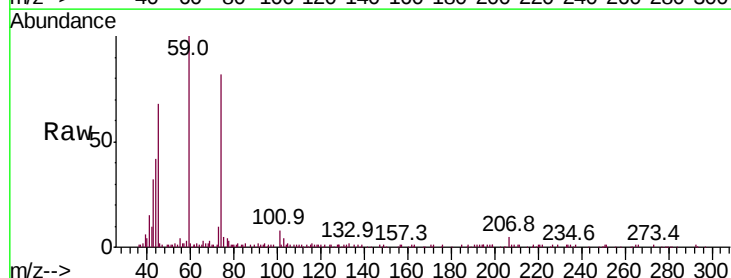
Tot Ion:101 Resp: 247140
Ion Ratio Lower Upper
101 100
103 67.7 47.3 70.9

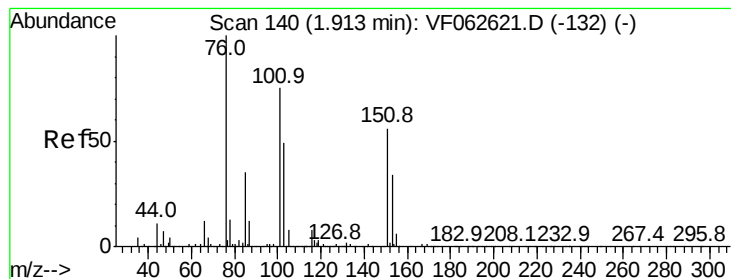


#8

Diethyl Ether
Concen: 20.697 ug/l
RT: 1.73 min Scan# 121
Delta R.T. 0.01 min
Lab File: VF062777.D
Acq: 29 May 2019 12:41

Tgt Ion: 74 Resp: 46568
Ion Ratio Lower Upper
74 100
45 82.8 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.061 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

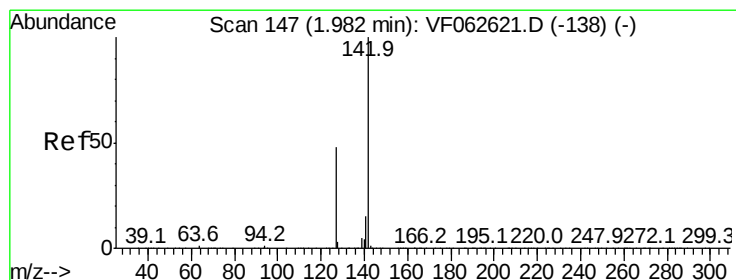
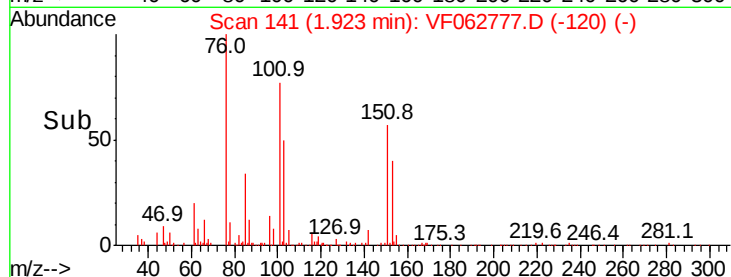
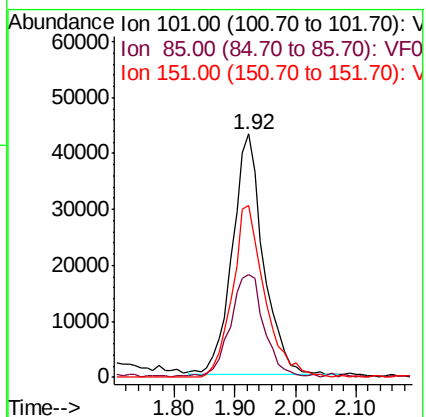
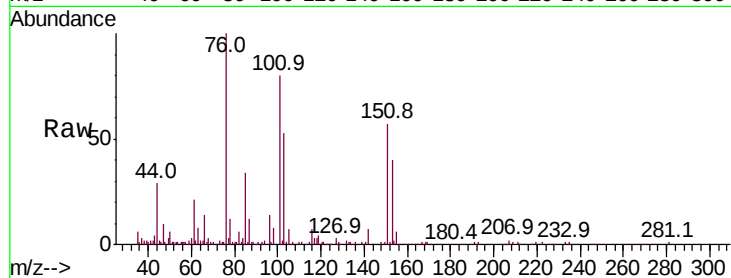
Tot Ion:101 Resp: 152308

Ion Ratio Lower Upper

101 100

85 42.0 37.1 55.7

151 70.4 58.8 88.2



#10

Methyl Iodide

Concen: 20.802 ug/l

RT: 1.99 min Scan# 148

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

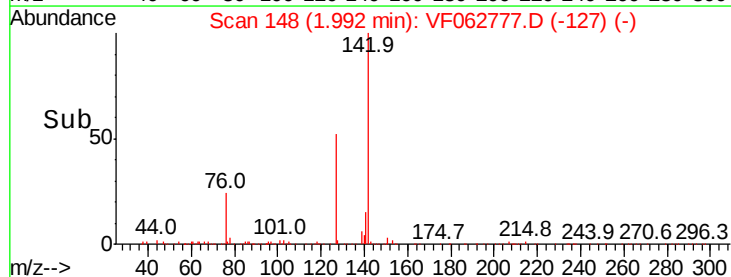
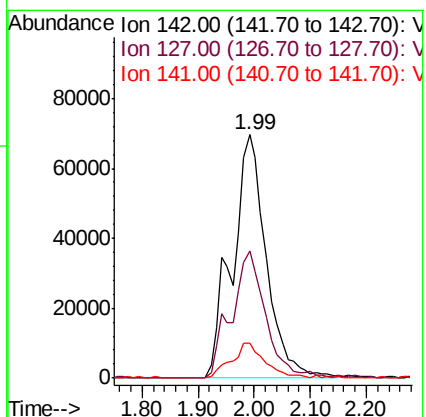
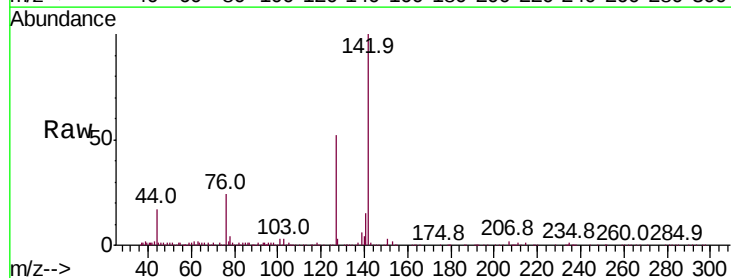
Tgt Ion:142 Resp: 295526

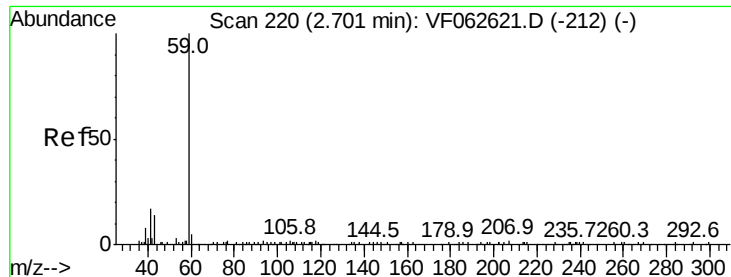
Ion Ratio Lower Upper

142 100

127 52.1 38.1 57.1

141 14.6 11.7 17.5



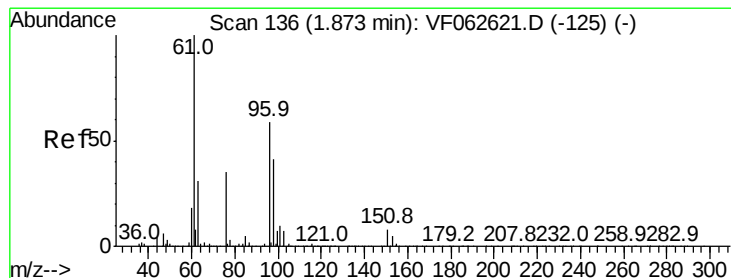
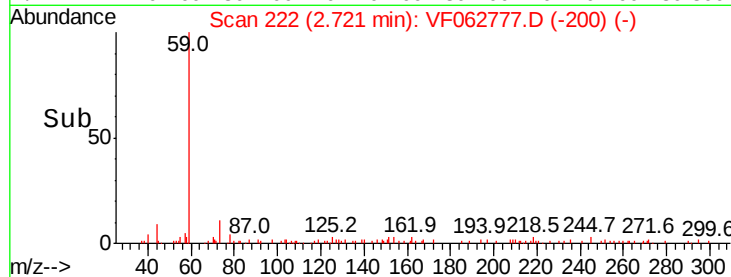
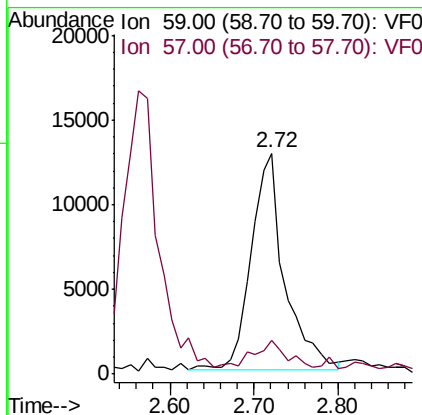
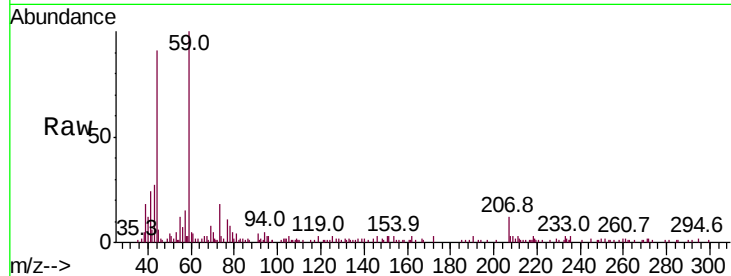


#11

Tert butyl alcohol
 Concen: 105.298 ug/l
 RT: 2.72 min Scan# 222
 Delta R.T. 0.02 min
 Lab File: VF062777.D
 Acq: 29 May 2019 12:41

Instrument :
 MSVOA_F
 ClientSampleId :

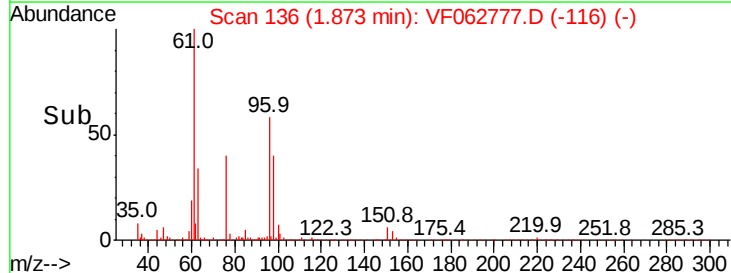
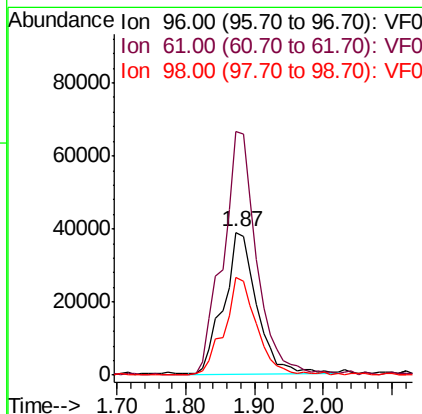
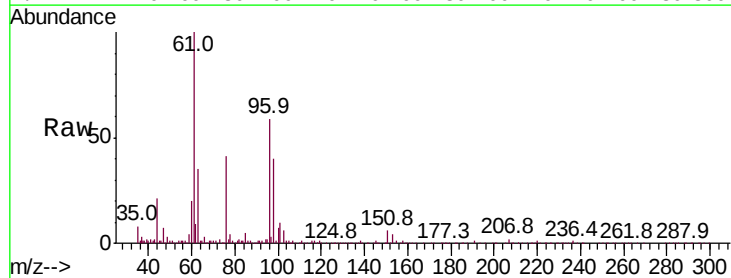
Tot Ion: 59 Resp: 36026
 Ion Ratio Lower Upper
 59 100
 57 15.4 9.3 13.9#

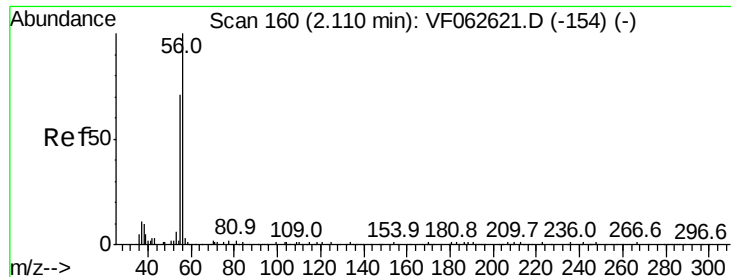


#12

1,1-Dichloroethene
 Concen: 19.663 ug/l
 RT: 1.87 min Scan# 136
 Delta R.T. -0.00 min
 Lab File: VF062777.D
 Acq: 29 May 2019 12:41

Tgt Ion: 96 Resp: 129534
 Ion Ratio Lower Upper
 96 100
 61 170.4 134.3 201.5
 98 68.5 55.0 82.6





#13

Acrolein

Concen: 80.781 ug/l

RT: 2.11 min Scan# 160

Delta R.T. -0.00 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

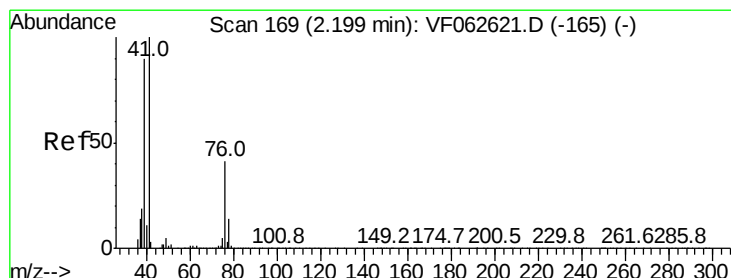
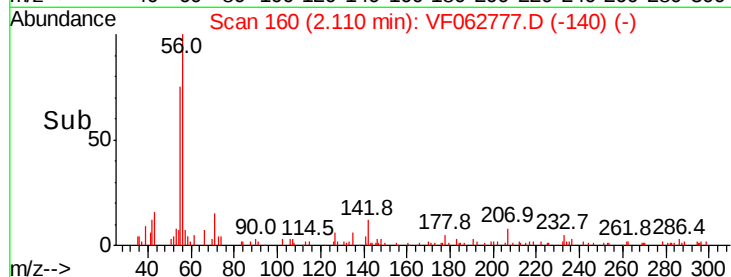
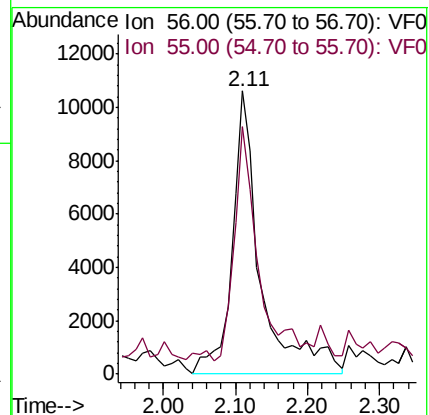
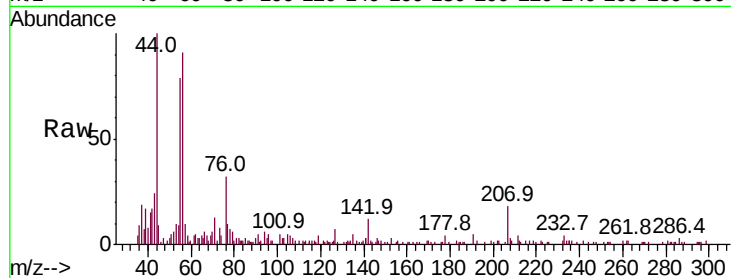
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 28850

Ion Ratio Lower Upper

56 100

55 87.3 59.4 89.0



#14

Allyl chloride

Concen: 22.048 ug/l

RT: 2.21 min Scan# 170

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

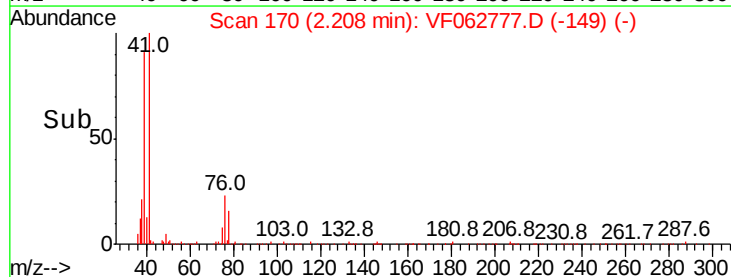
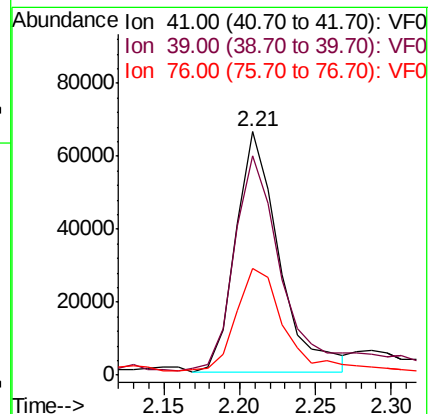
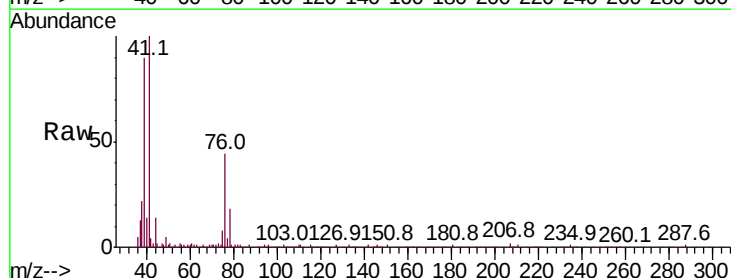
Tgt Ion: 41 Resp: 131457

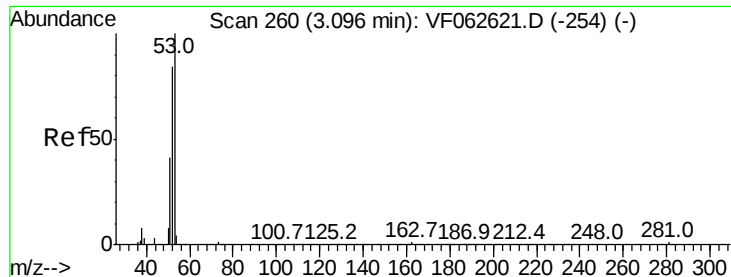
Ion Ratio Lower Upper

41 100

39 90.0 72.0 108.0

76 43.9 34.8 52.2





#15

Acrylonitrile

Concen: 128.681 ug/l

RT: 3.13 min Scan# 263

Delta R.T. 0.03 min

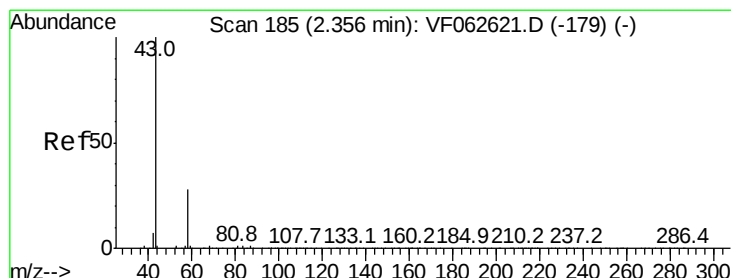
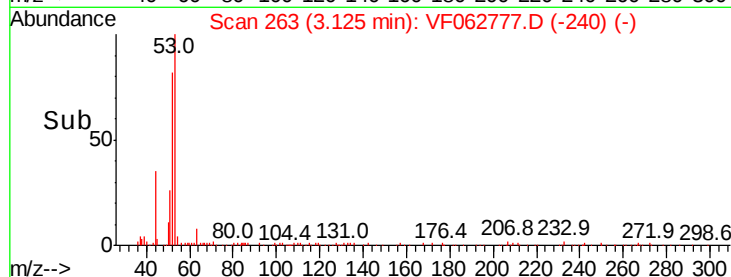
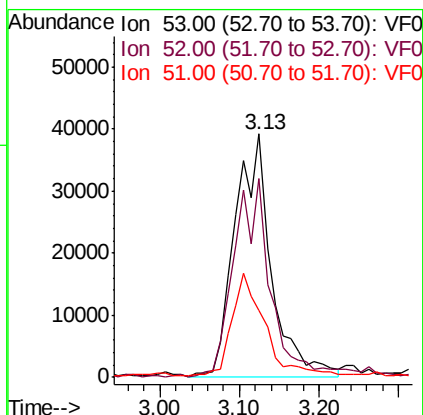
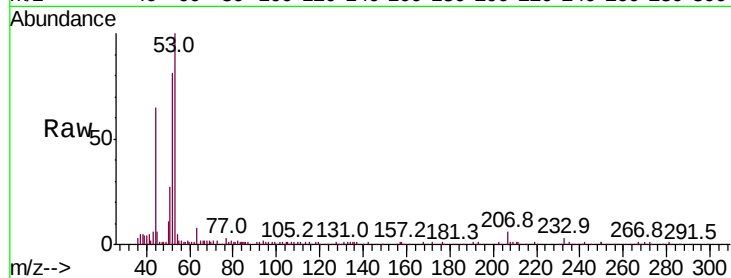
Lab File: VF062777.D

Acq: 29 May 2019 12:41

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 53 Resp: 124190

Ion	Ratio	Lower	Upper
53	100		
52	81.5	67.3	100.9
51	27.5	33.0	49.6



#16

Acetone

Concen: 94.560 ug/l

RT: 2.37 min Scan# 186

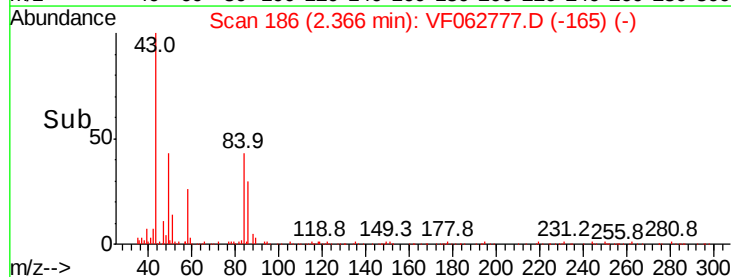
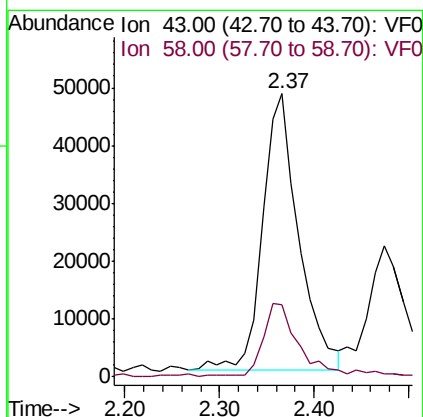
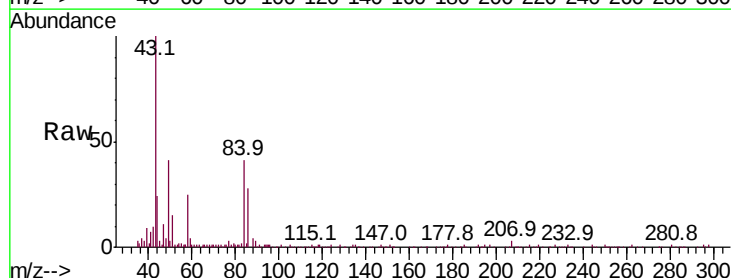
Delta R.T. 0.01 min

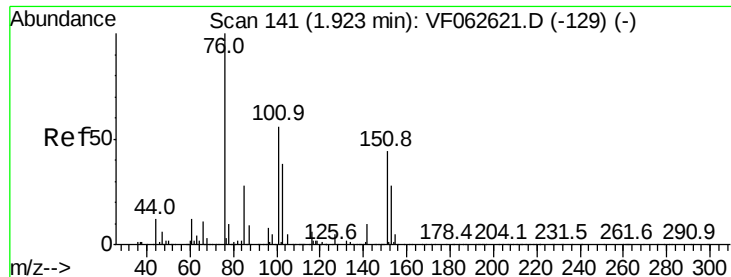
Lab File: VF062777.D

Acq: 29 May 2019 12:41

Tgt Ion: 43 Resp: 127129

Ion	Ratio	Lower	Upper
43	100		
58	25.4	22.6	33.8





#17

Carbon Disulfide

Concen: 19.297 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Instrument :

MSVOA_F

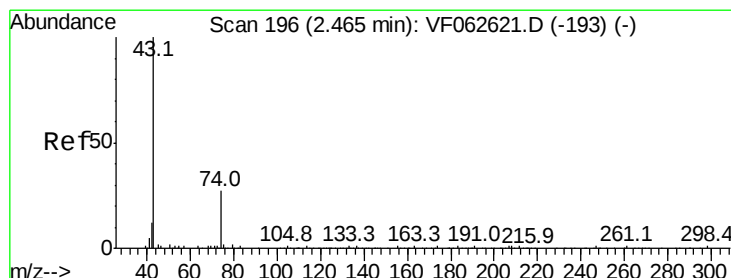
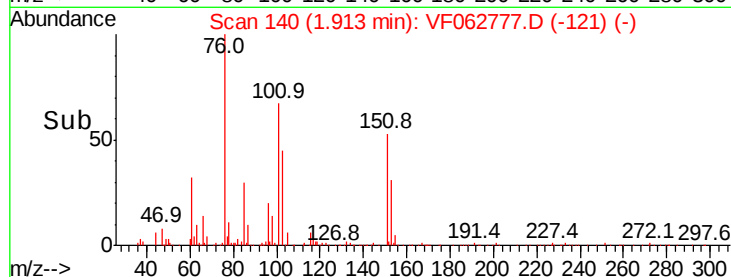
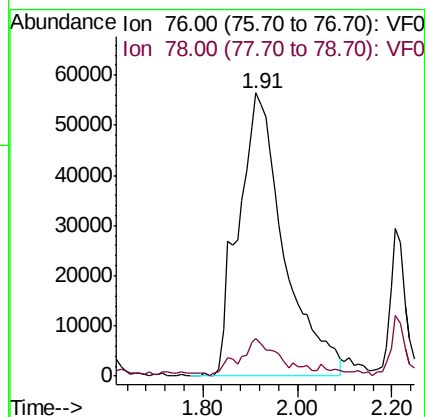
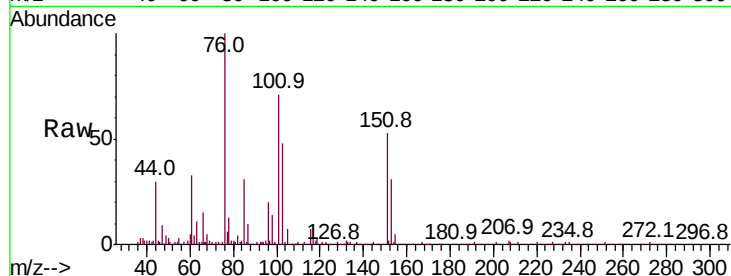
ClientSampled :

Tot Ion: 76 Resp: 376795

Ion Ratio Lower Upper

76 100

78 13.1 8.4 12.6#



#18

Methyl Acetate

Concen: 24.311 ug/l

RT: 2.47 min Scan# 197

Delta R.T. 0.01 min

Lab File: VF062777.D

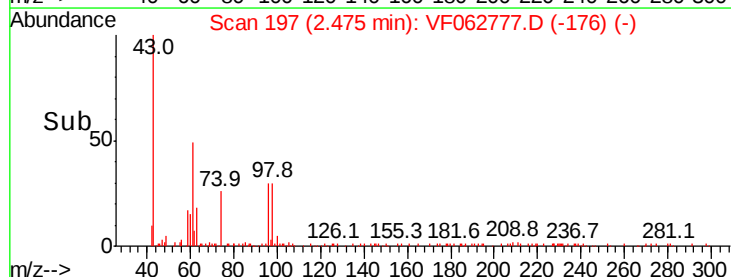
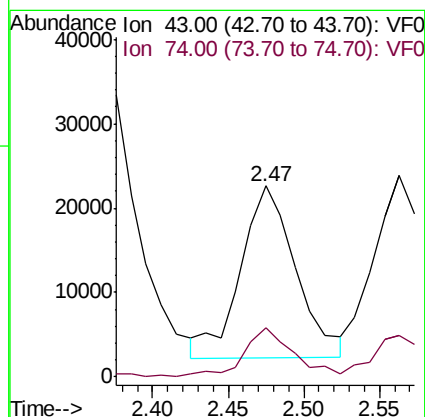
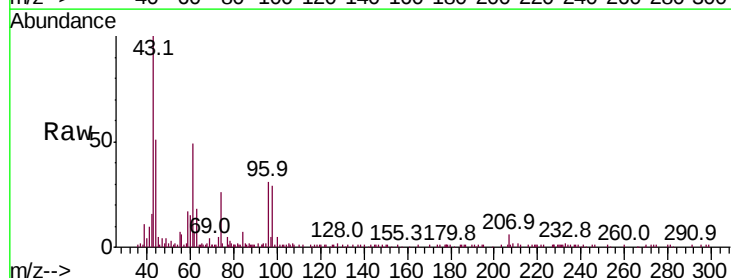
Acq: 29 May 2019 12:41

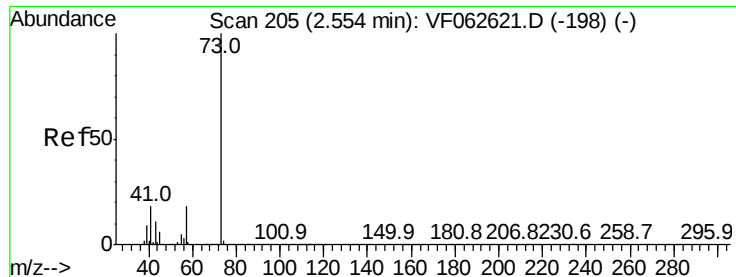
Tgt Ion: 43 Resp: 51362

Ion Ratio Lower Upper

43 100

74 25.6 18.9 28.3



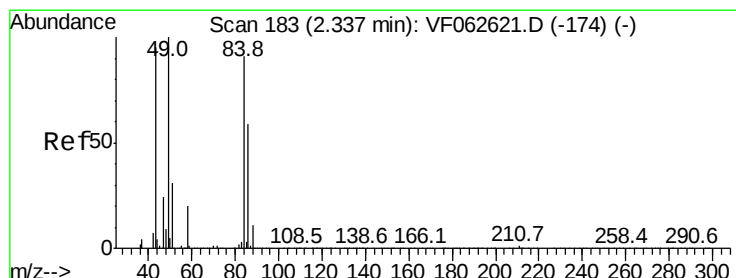
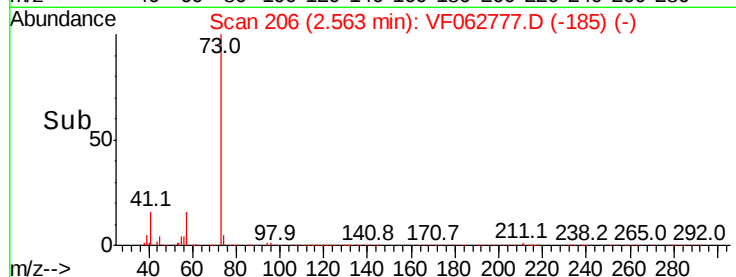
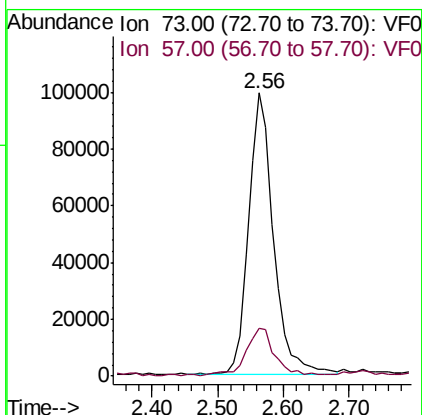
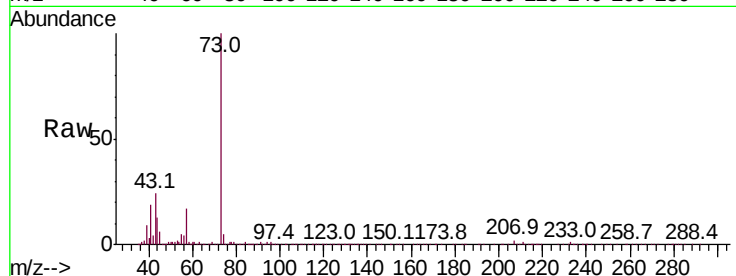


#19

Methyl tert-butyl Ether
 Concen: 22.341 ug/l
 RT: 2.56 min Scan# 206
 Delta R.T. 0.01 min
 Lab File: VF062777.D
 Acq: 29 May 2019 12:41

Instrument :
 MSVOA_F
 ClientSampled :

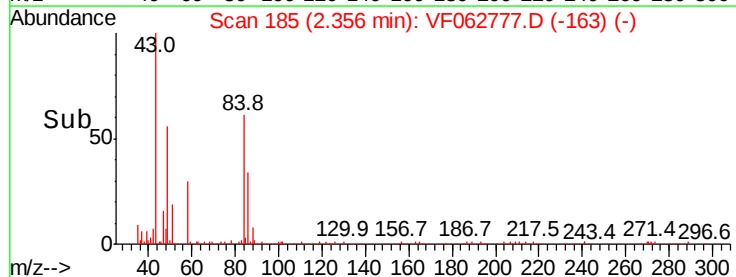
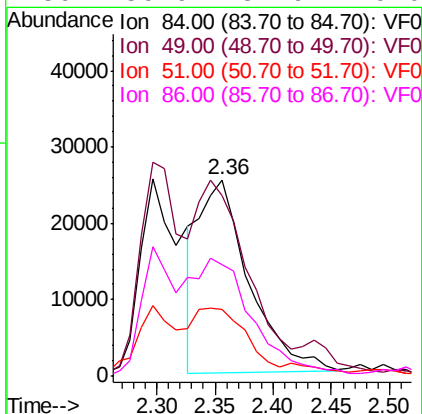
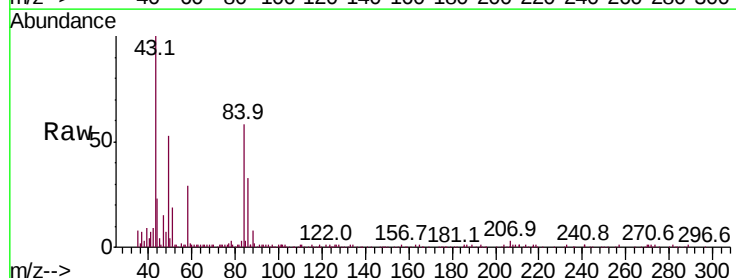
Tot Ion: 73 Resp: 263110
 Ion Ratio Lower Upper
 73 100
 57 16.8 14.2 21.4

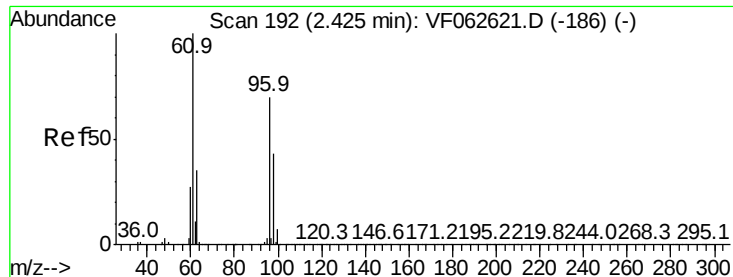


#20

Methylene Chloride
 Concen: 11.226 ug/l
 RT: 2.36 min Scan# 185
 Delta R.T. 0.02 min
 Lab File: VF062777.D
 Acq: 29 May 2019 12:41

Tgt Ion: 84 Resp: 75648
 Ion Ratio Lower Upper
 84 100
 49 92.3 89.8 134.8
 51 33.6 28.4 42.6
 86 56.6 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 23.258 ug/l

RT: 2.44 min Scan# 193

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :

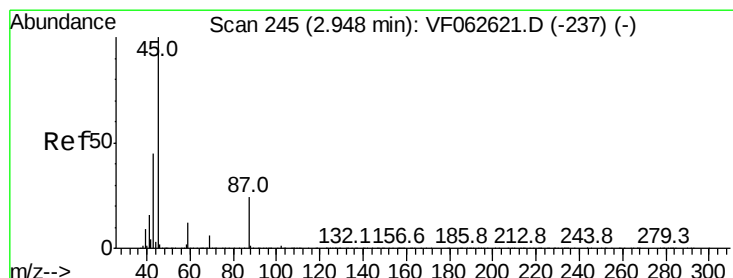
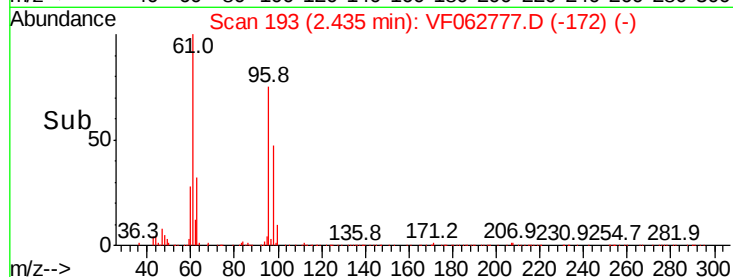
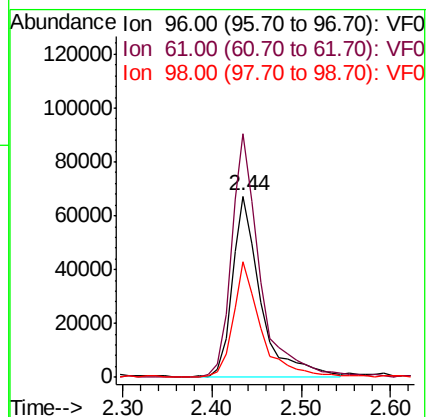
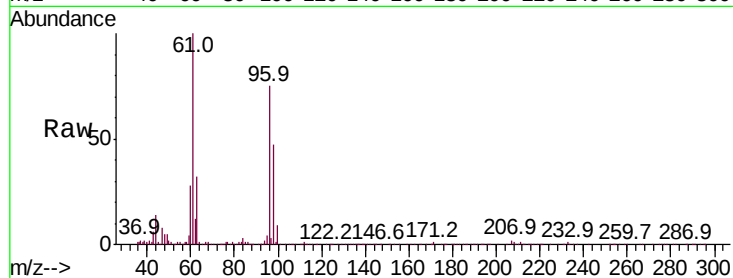
Tot Ion: 96 Resp: 149761

Ion Ratio Lower Upper

96 100

61 134.2 114.6 171.8

98 63.4 49.5 74.3



#22

Diisopropyl ether

Concen: 20.966 ug/l

RT: 2.95 min Scan# 245

Delta R.T. -0.00 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Tgt Ion: 45 Resp: 308312

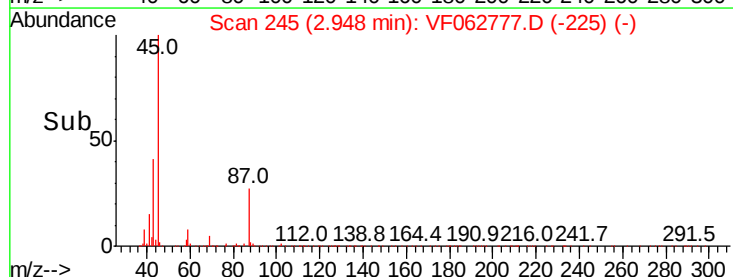
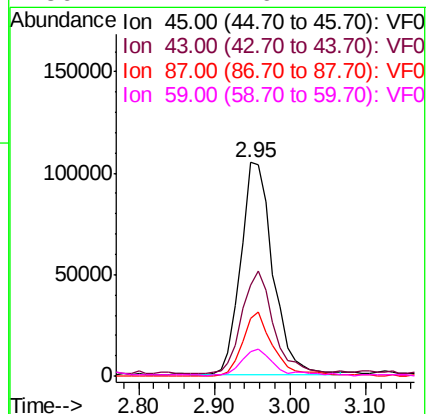
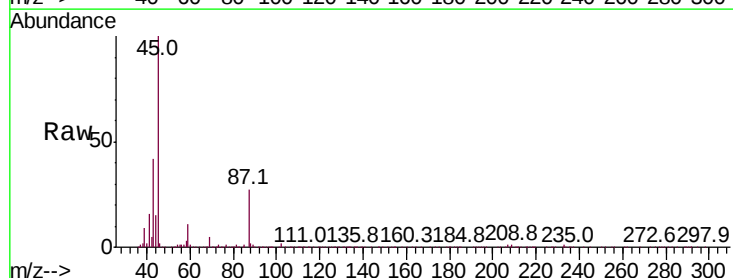
Ion Ratio Lower Upper

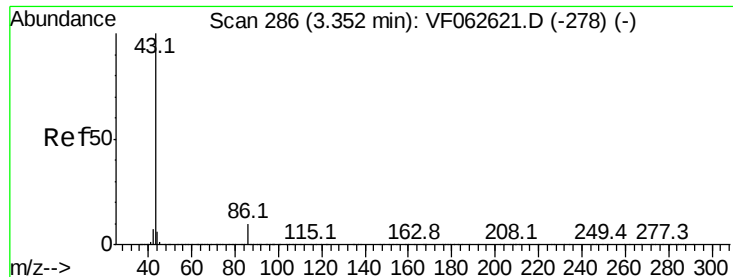
45 100

43 42.4 36.4 54.6

87 26.7 19.3 28.9

59 11.2 9.4 14.2





#23

Vinyl Acetate

Concen: 105.783 ug/l

RT: 3.36 min Scan# 287

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

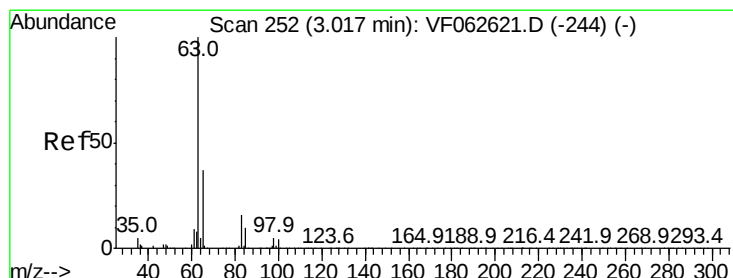
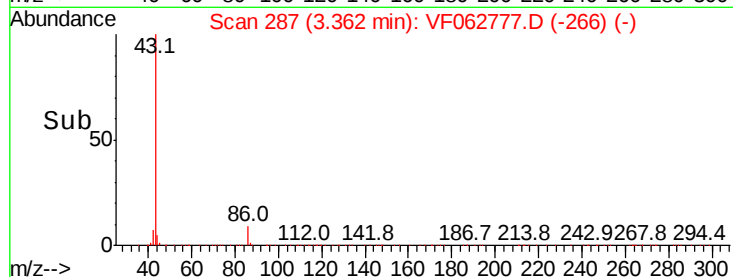
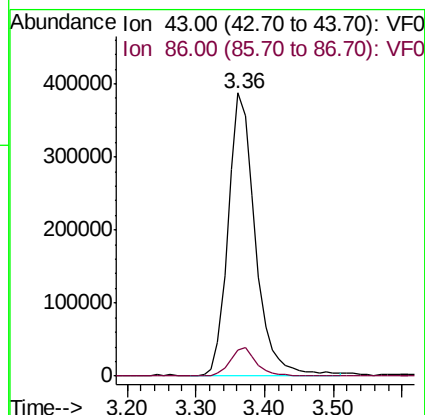
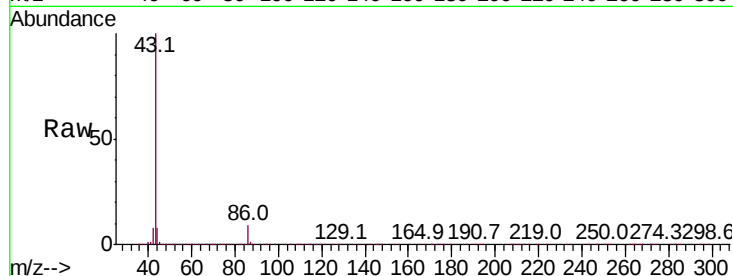
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 1049360

Ion Ratio Lower Upper

43 100

86 9.4 8.2 12.2



#24

1,1-Dichloroethane

Concen: 21.403 ug/l

RT: 3.03 min Scan# 253

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

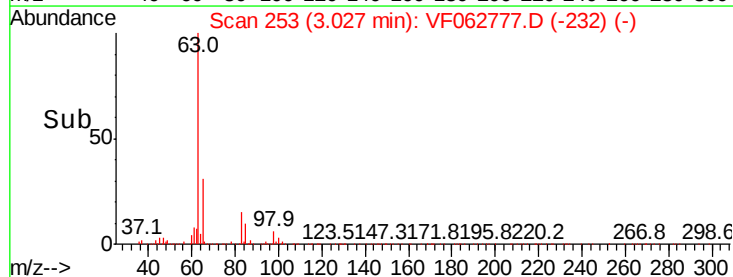
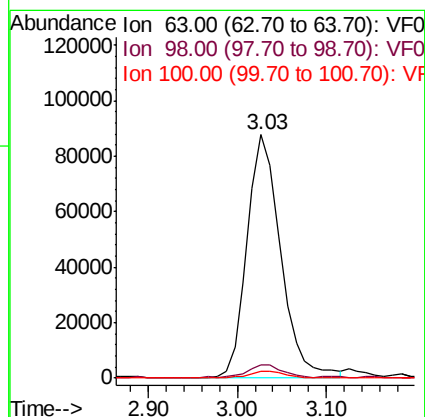
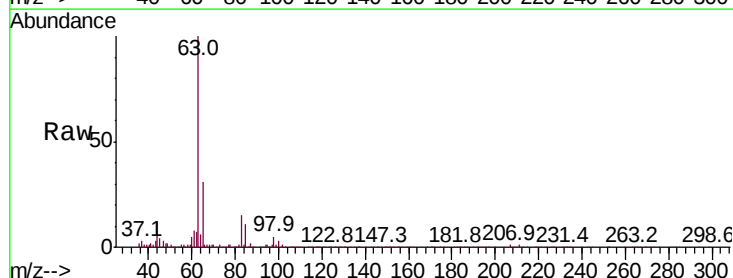
Tgt Ion: 63 Resp: 230891

Ion Ratio Lower Upper

63 100

98 5.5 2.8 8.3

100 2.7 1.9 5.7





#25

2-Butanone

Concen: 104.418 ug/l

RT: 4.54 min Scan# 407

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

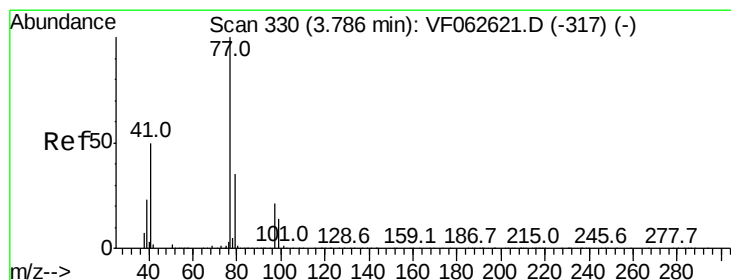
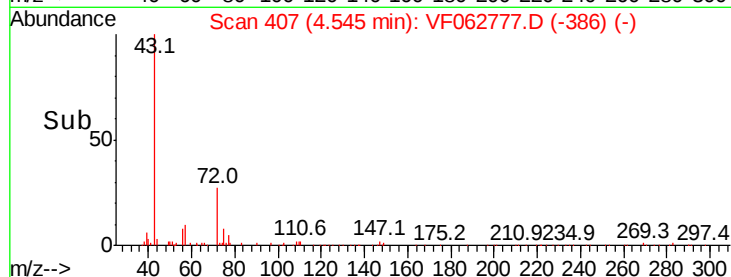
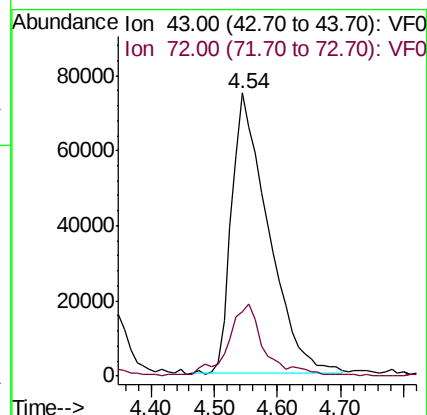
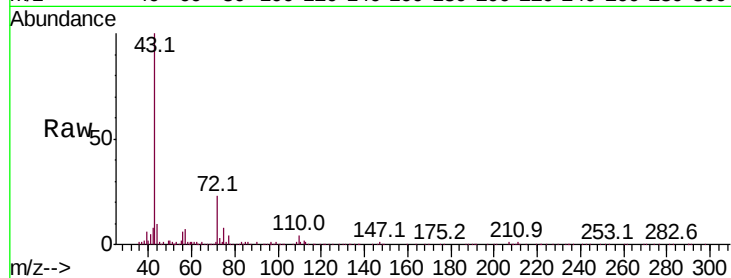
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 299926

Ion Ratio Lower Upper

43 100

72 22.7 20.1 30.1



#26

2,2-Dichloropropane

Concen: 24.378 ug/l

RT: 3.80 min Scan# 331

Delta R.T. 0.01 min

Lab File: VF062777.D

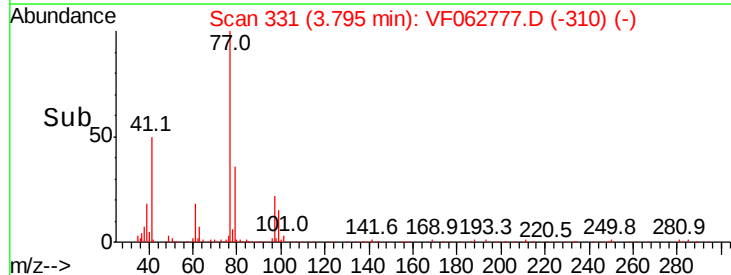
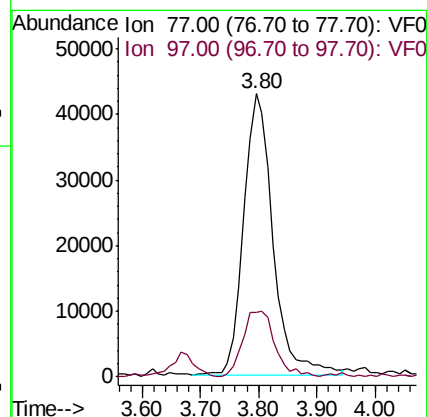
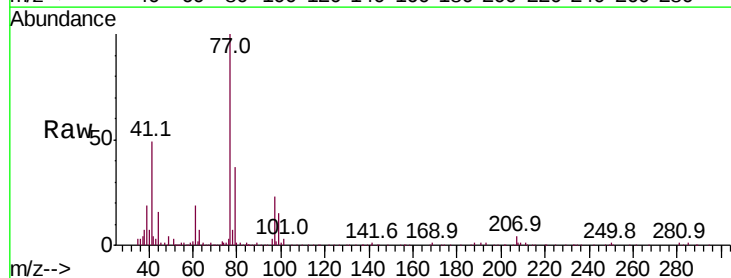
Acq: 29 May 2019 12:41

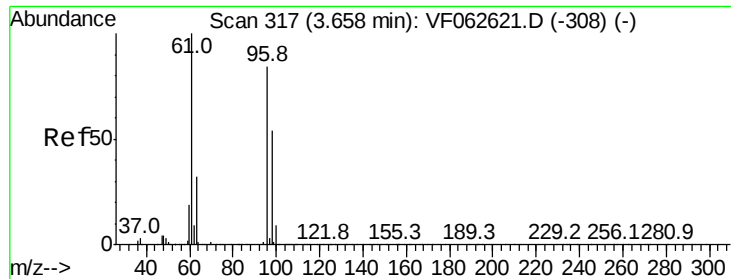
Tgt Ion: 77 Resp: 150473

Ion Ratio Lower Upper

77 100

97 22.7 14.1 42.4



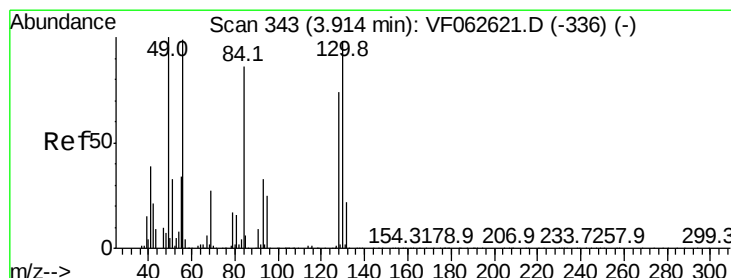
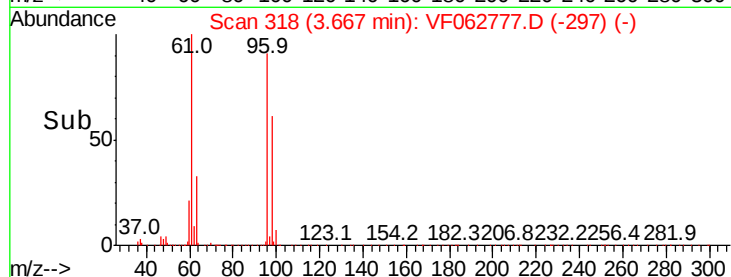
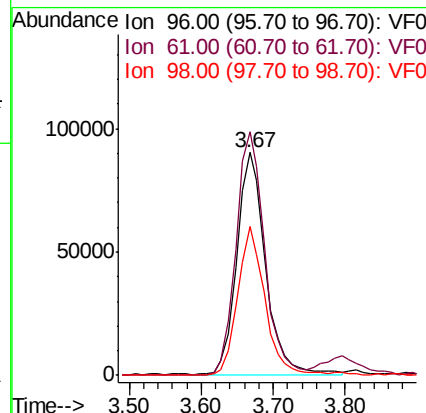
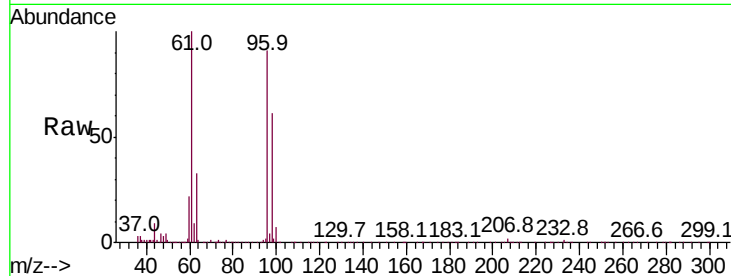


#27

cis-1,2-Dichloroethene
Concen: 23.575 ug/l
RT: 3.67 min Scan# 318
Delta R.T. 0.01 min
Lab File: VF062777.D
Acq: 29 May 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :

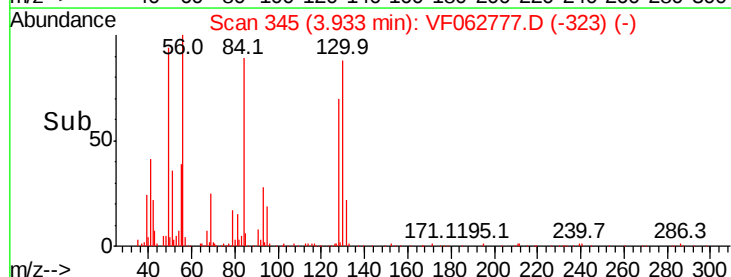
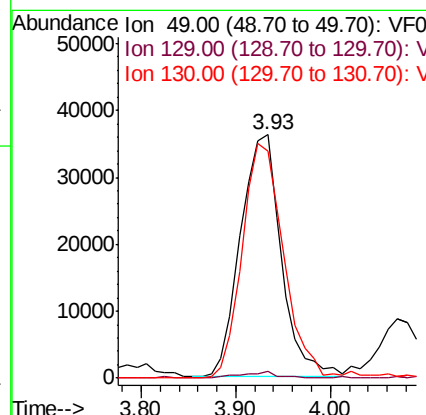
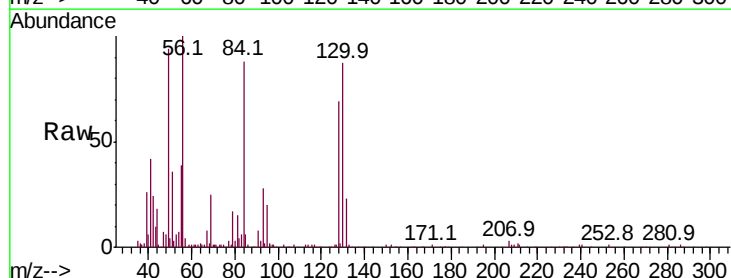
Tot Ion	Ratio	Lower	Upper
96	100		
61	109.3	0.0	237.4
98	67.0	0.0	129.0

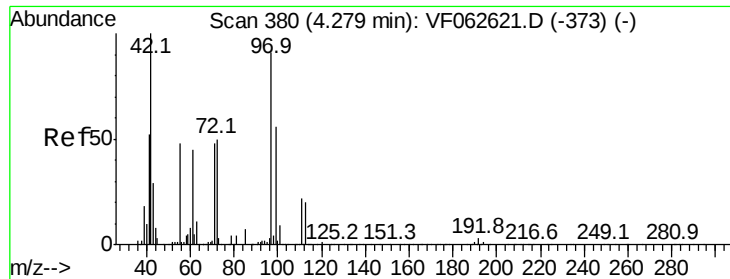


#28

Bromochloromethane
Concen: 17.873 ug/l
RT: 3.93 min Scan# 345
Delta R.T. 0.02 min
Lab File: VF062777.D
Acq: 29 May 2019 12:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.0
130	93.4	77.8	116.8

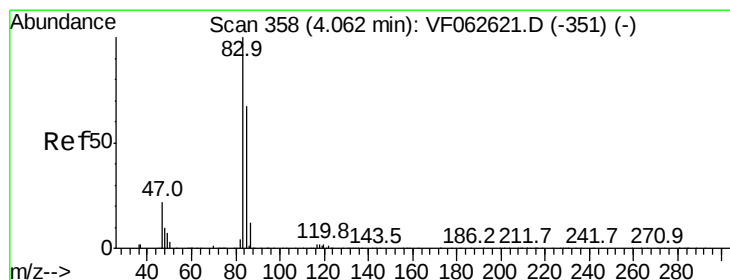
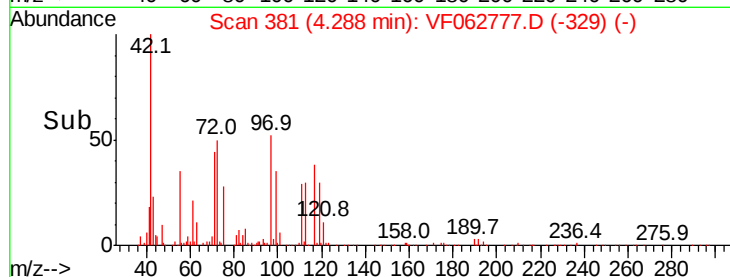
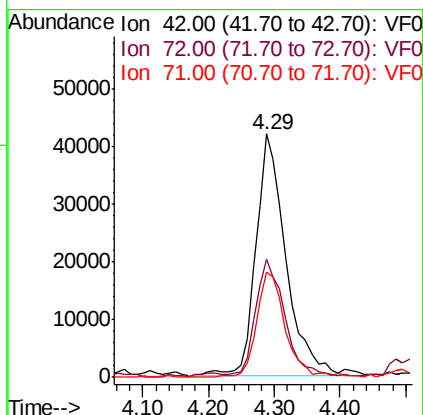
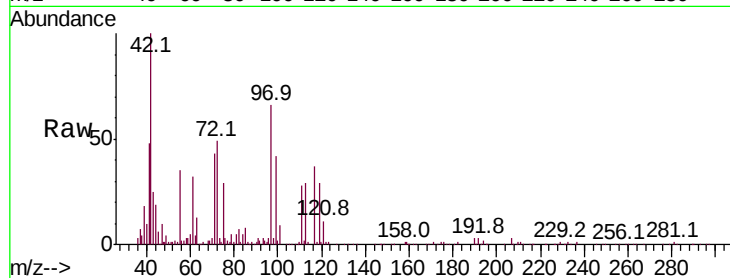




#29
Tetrahydrofuran
Concen: 115.041 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.01 min
Lab File: VF062777.D
Acq: 29 May 2019 12:41

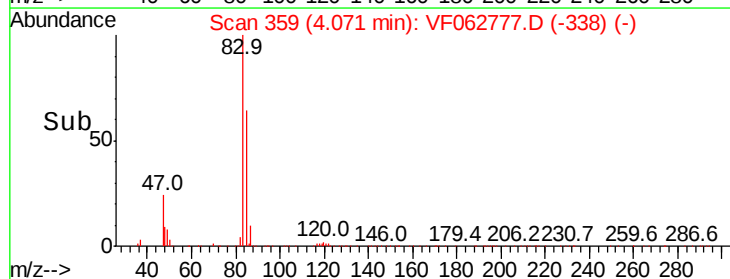
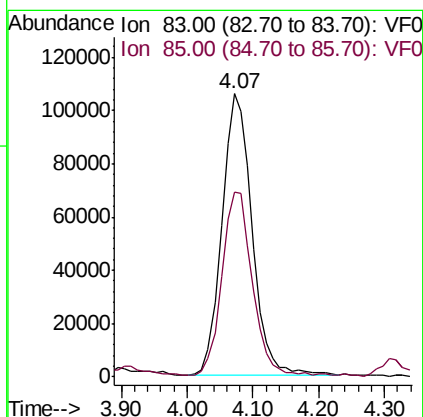
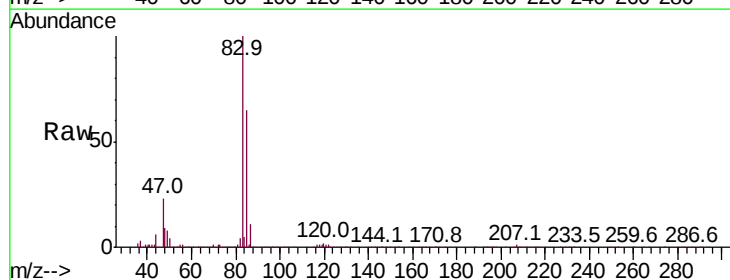
Instrument :
MSVOA_F
ClientSampleId :

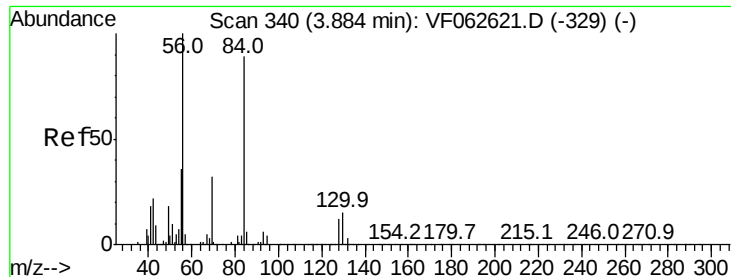
Tot Ion	42	Resp	133717
Ion Ratio	Lower	Upper	
42	100		
72	48.1	38.2	57.2
71	42.8	35.8	53.6



#30
Chloroform
Concen: 22.576 ug/l
RT: 4.07 min Scan# 359
Delta R.T. 0.01 min
Lab File: VF062777.D
Acq: 29 May 2019 12:41

Tgt Ion	83	Resp	338139
Ion Ratio	Lower	Upper	
83	100		
85	65.2	53.6	80.4

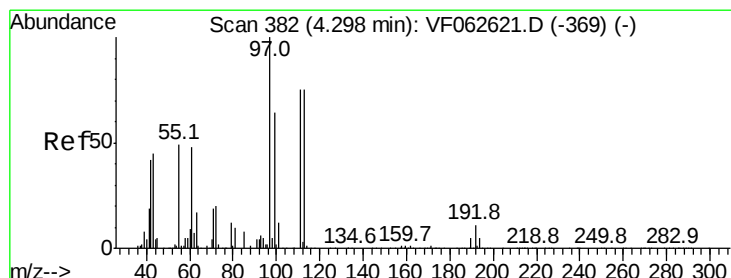
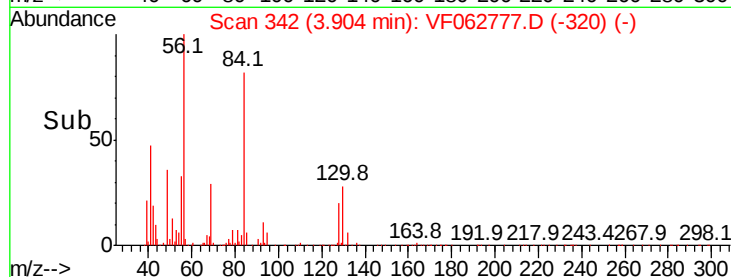
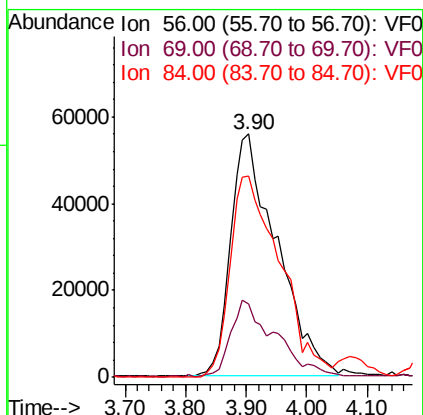
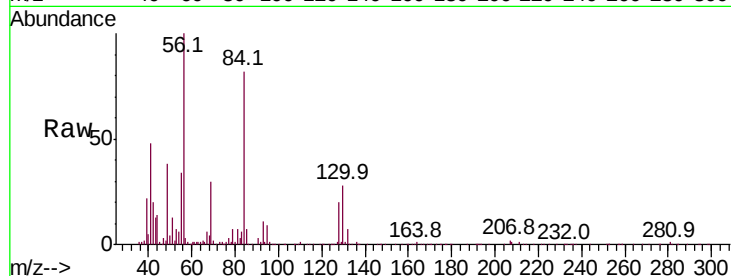




#31
Cyclohexane
Concen: 20.394 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.02 min
Lab File: VF062777.D
Acq: 29 May 2019 12:41

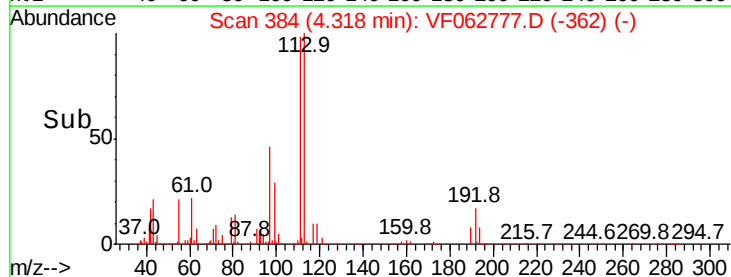
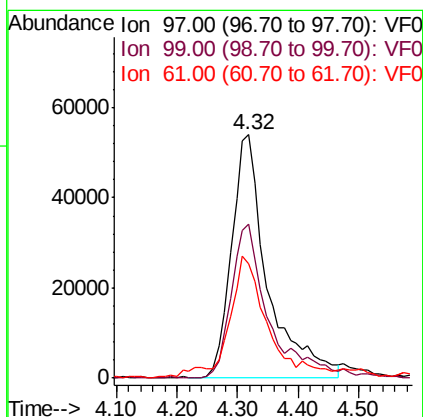
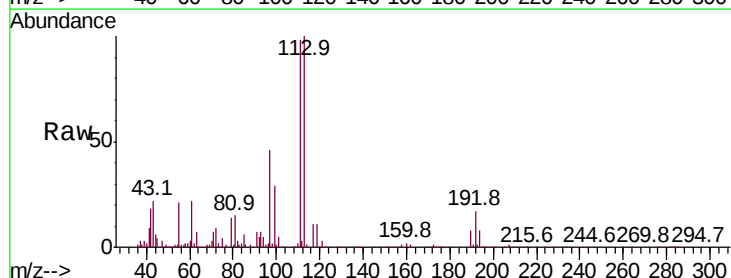
Instrument :
MSVOA_F
ClientSampleId :

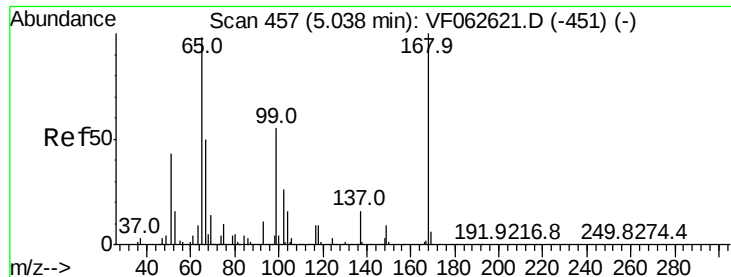
Tot Ion: 56 Resp: 295402
Ion Ratio Lower Upper
56 100
69 30.2 25.3 37.9
84 82.5 71.0 106.4



#32
1,1,1-Trichloroethane
Concen: 22.316 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.02 min
Lab File: VF062777.D
Acq: 29 May 2019 12:41

Tgt Ion: 97 Resp: 221983
Ion Ratio Lower Upper
97 100
99 63.3 51.3 76.9
61 47.2 38.2 57.2





#33

1,2-Dichloroethane-d4

Concen: 42.649 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

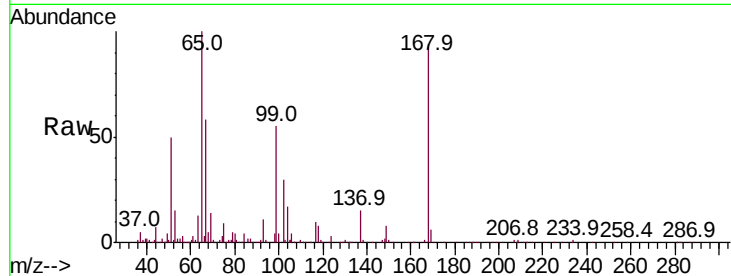
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 65 Resp: 221016

Ion Ratio Lower Upper

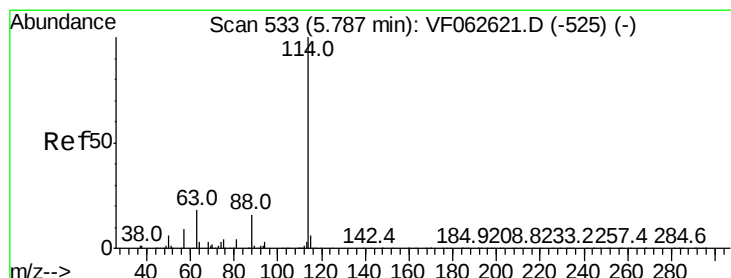
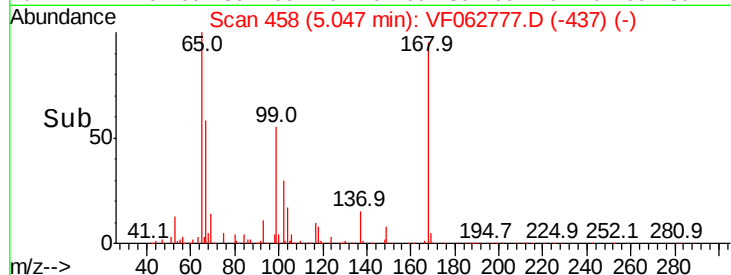
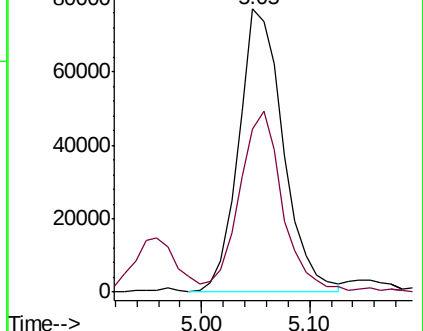
65 100

67 57.7 0.0 117.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.80 min Scan# 534

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

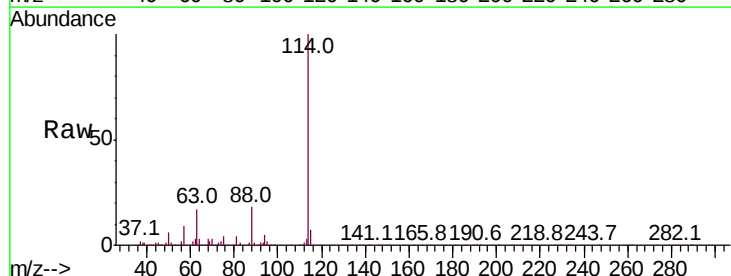
Tgt Ion: 114 Resp: 1228719

Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.4

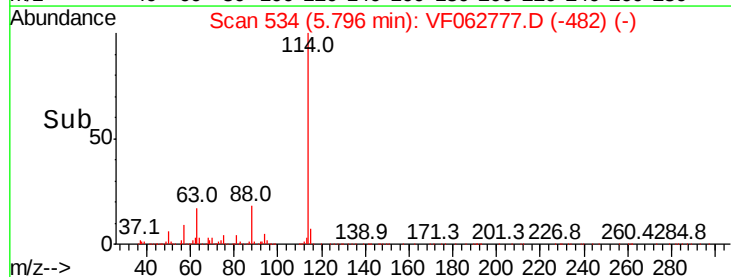
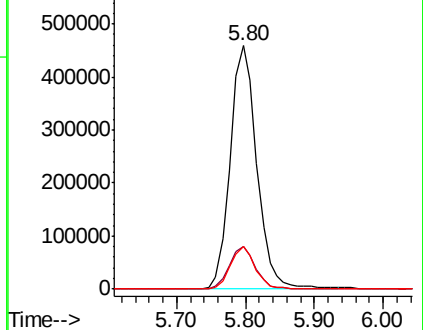
88 17.5 0.0 32.4

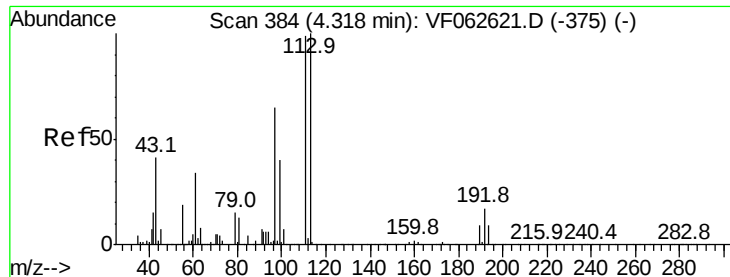


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

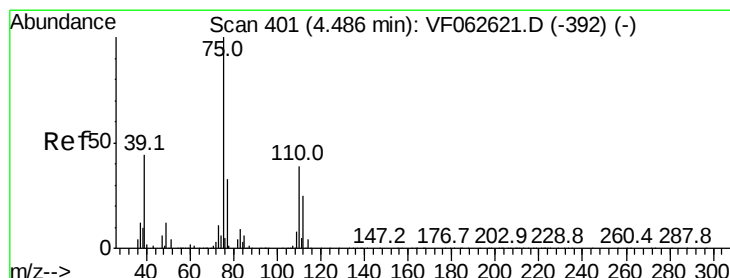
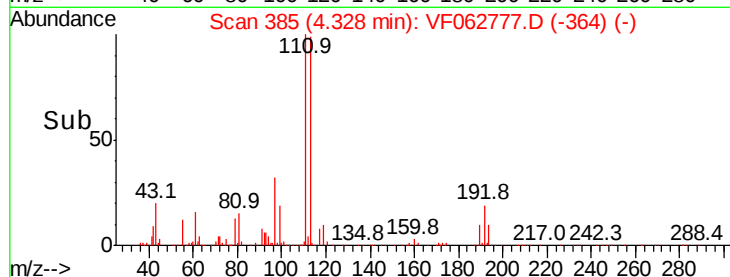
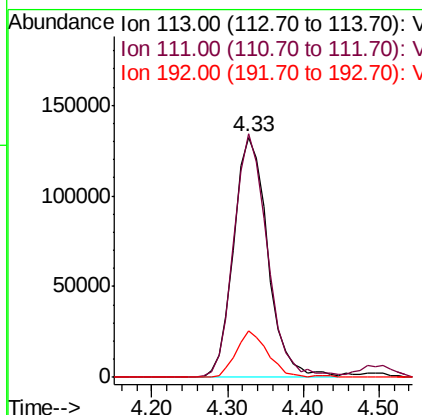
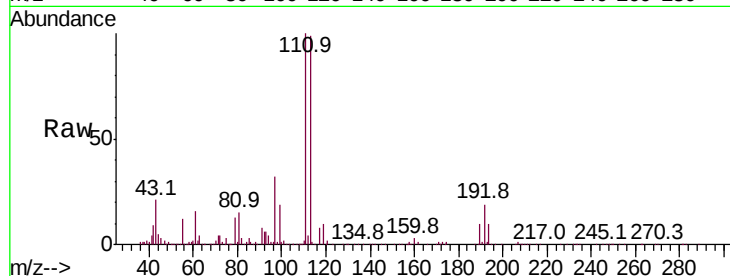




#35
 Dibromofluoromethane
 Concen: 44.098 ug/l
 RT: 4.33 min Scan# 385
 Delta R.T. 0.01 min
 Lab File: VF062777.D
 Acq: 29 May 2019 12:41

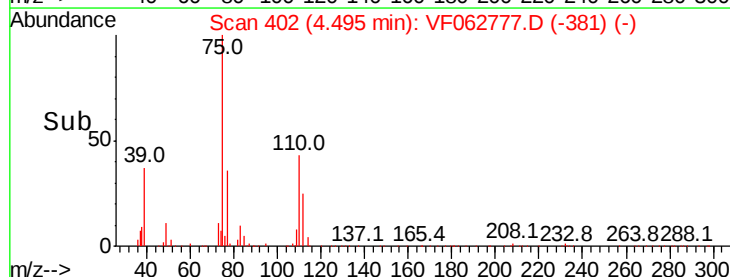
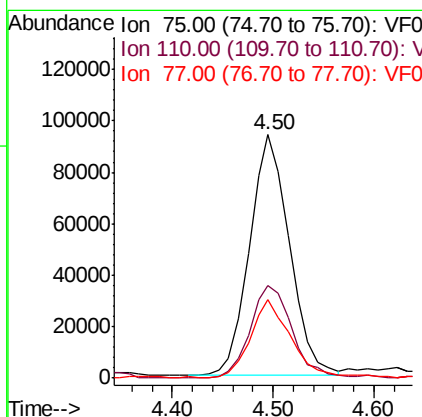
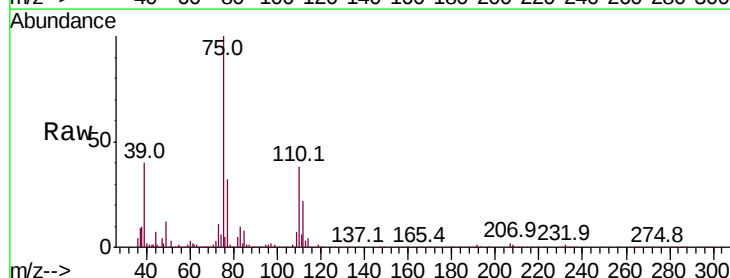
Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	79.4	119.2
192	19.5	13.4	20.2



#36
 1,1-Dichloropropene
 Concen: 20.495 ug/l
 RT: 4.50 min Scan# 402
 Delta R.T. 0.01 min
 Lab File: VF062777.D
 Acq: 29 May 2019 12:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.2	19.7	59.1
77	32.0	26.3	39.5

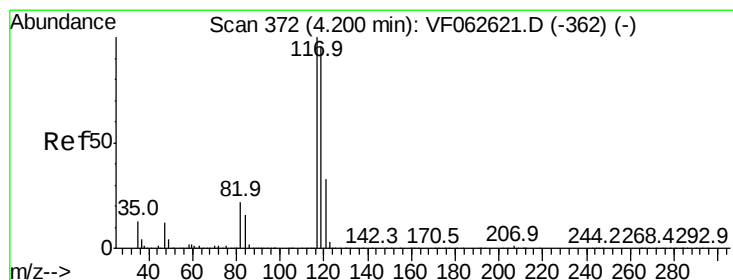
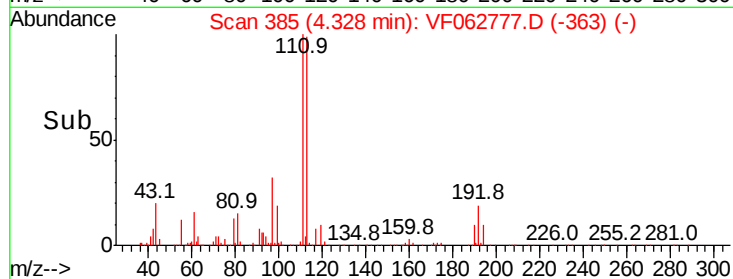
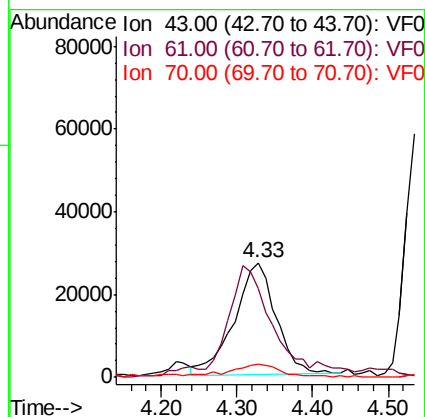
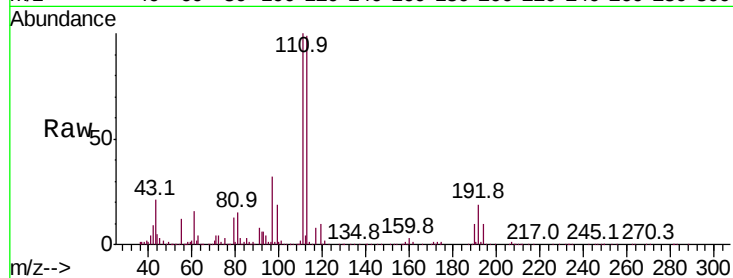




#37
Ethyl Acetate
Concen: 20.072 ug/l
RT: 4.33 min Scan# 385
Delta R.T. 0.02 min
Lab File: VF062777.D
Acq: 29 May 2019 12:41

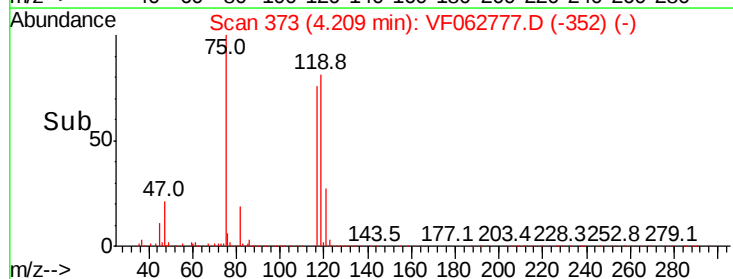
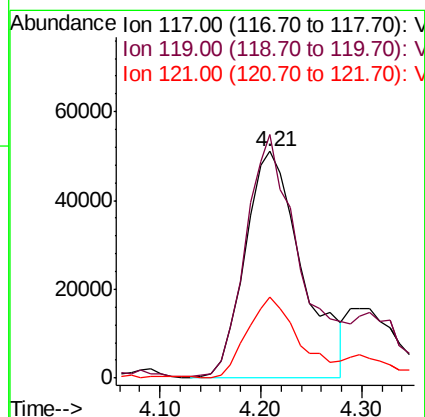
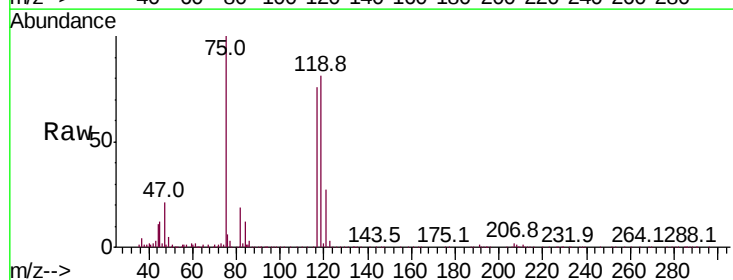
Instrument :
MSVOA_F
ClientSampleId :

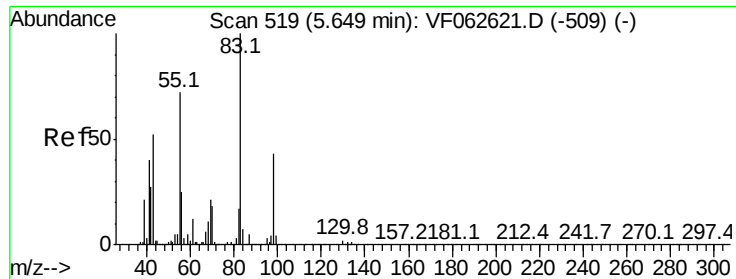
Tot Ion: 43 Resp: 103186
Ion Ratio Lower Upper
43 100
61 77.2 76.9 115.3
70 12.0 8.8 13.2



#38
Carbon Tetrachloride
Concen: 21.020 ug/l
RT: 4.21 min Scan# 373
Delta R.T. 0.01 min
Lab File: VF062777.D
Acq: 29 May 2019 12:41

Tgt Ion: 117 Resp: 199044
Ion Ratio Lower Upper
117 100
119 107.3 76.7 115.1
121 35.8 26.6 40.0

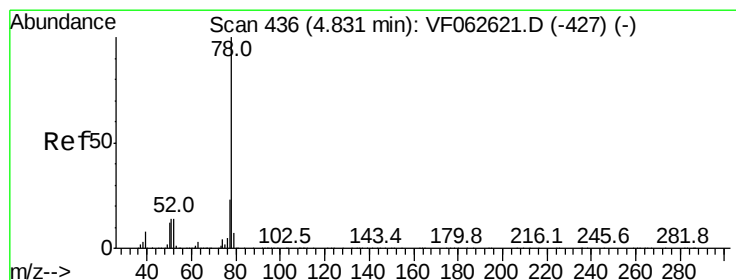
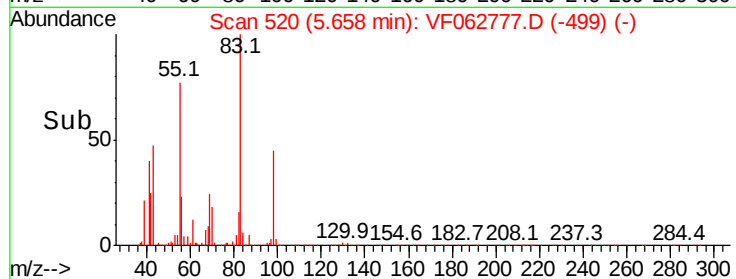
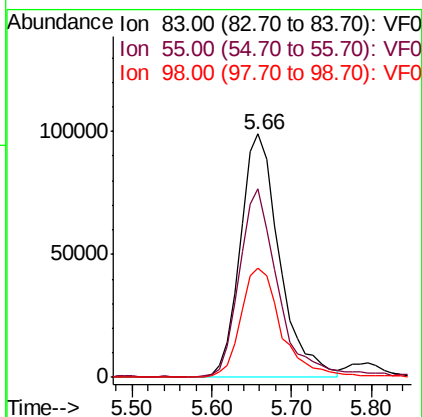
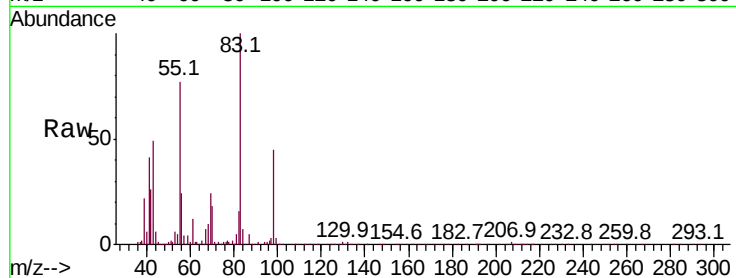




#39
Methvlcvclohexane
Concen: 22.232 ug/l
RT: 5.66 min Scan# 520
Delta R.T. 0.01 min
Lab File: VF062777.D
Acq: 29 May 2019 12:41

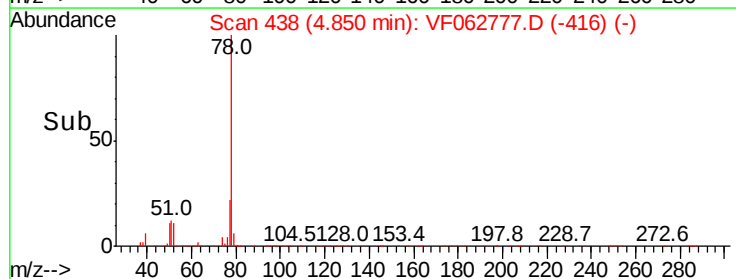
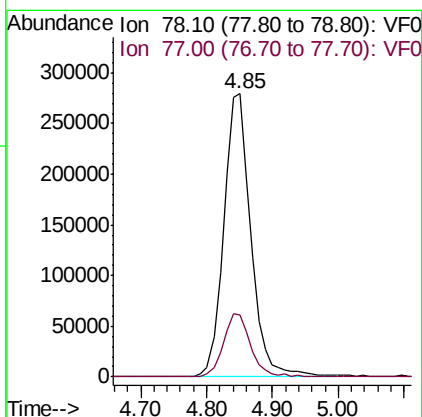
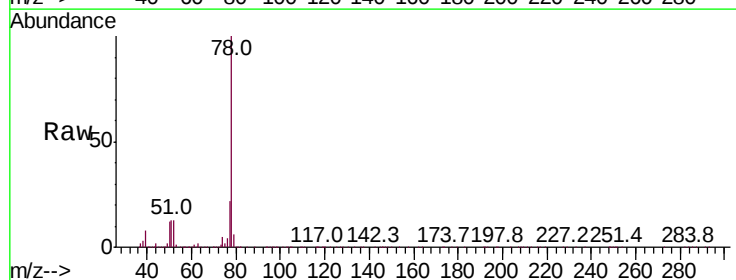
Instrument :
MSVOA_F
ClientSampleId :

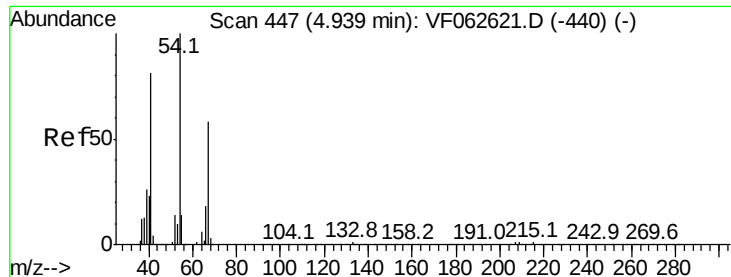
Tot Ion	83	Resp	336806
Ion Ratio	Lower	Upper	
83	100		
55	77.3	57.9	86.9
98	45.1	34.6	52.0



#40
Benzene
Concen: 23.374 ug/l
RT: 4.85 min Scan# 438
Delta R.T. 0.02 min
Lab File: VF062777.D
Acq: 29 May 2019 12:41

Tgt Ion	78	Resp	801730
Ion Ratio	Lower	Upper	
78	100		
77	22.0	18.2	27.2





#41

Methacrylonitrile

Concen: 20.951 ug/l

RT: 4.95 min Scan# 448

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 41 Resp: 56465

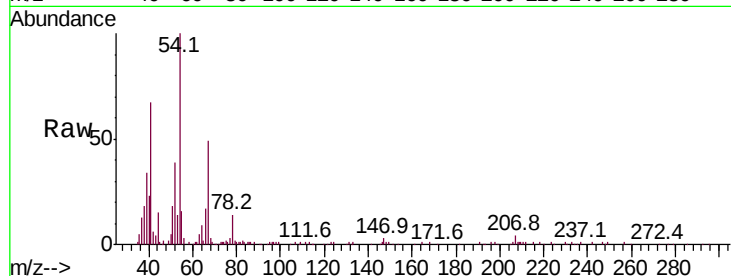
Ion Ratio Lower Upper

41 100

39 51.4 42.2 63.2

67 73.1 56.4 84.6

52 57.9 38.8 58.2

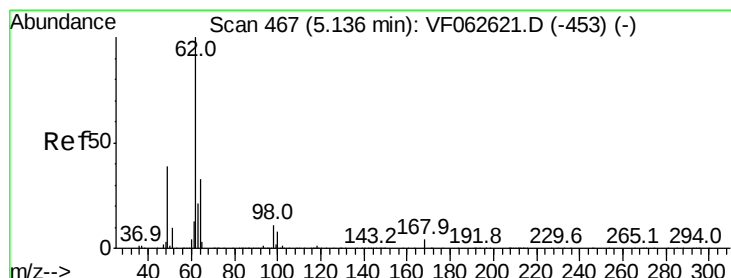
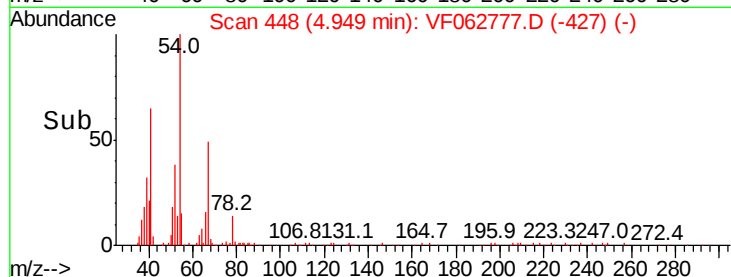
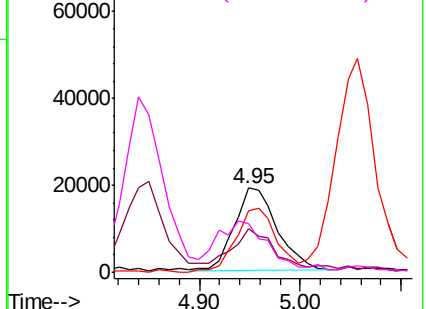


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 20.733 ug/l

RT: 5.16 min Scan# 469

Delta R.T. 0.02 min

Lab File: VF062777.D

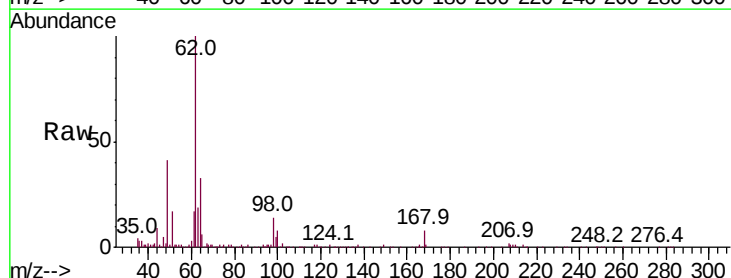
Acq: 29 May 2019 12:41

Tgt Ion: 62 Resp: 141813

Ion Ratio Lower Upper

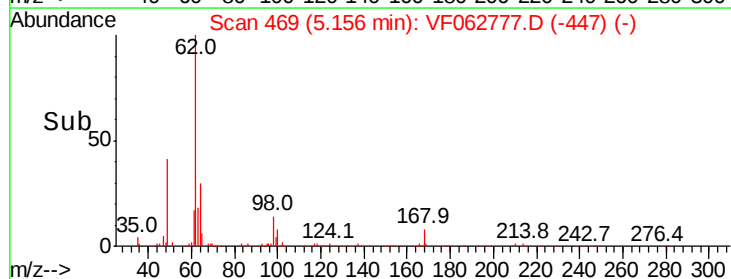
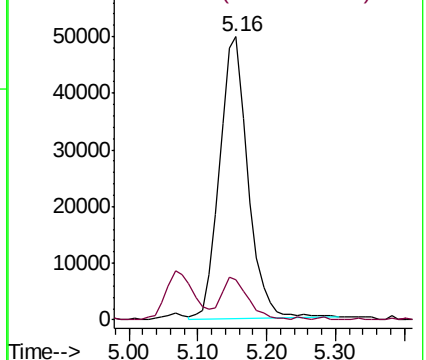
62 100

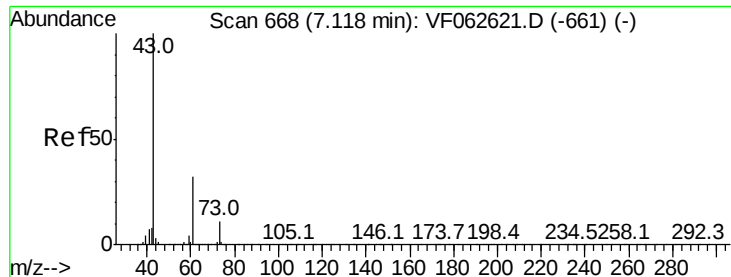
98 14.4 0.0 21.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



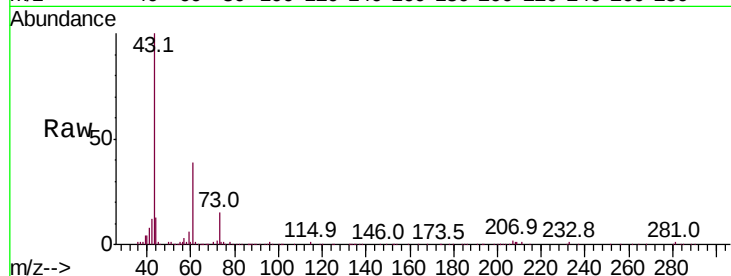


#43

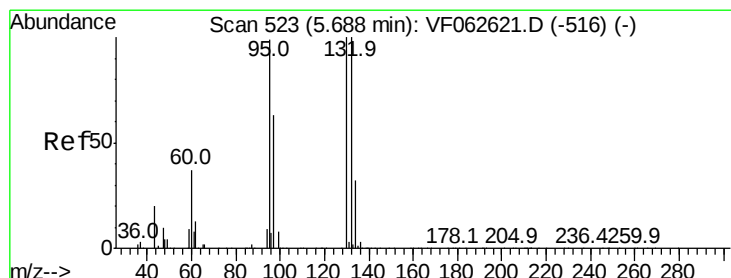
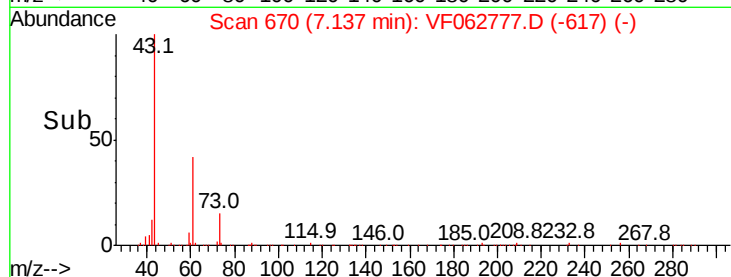
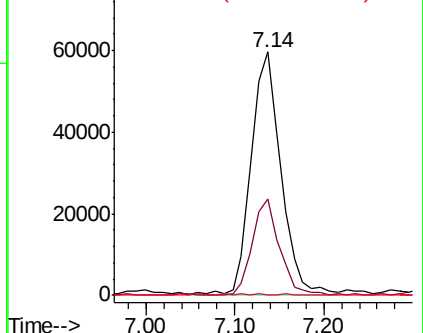
Isopropyl Acetate
 Concen: 20.385 ug/l
 RT: 7.14 min Scan# 670
 Delta R.T. 0.02 min
 Lab File: VF062777.D
 Acq: 29 May 2019 12:41

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion: 43 Resp: 135764
 Ion Ratio Lower Upper
 43 100
 61 39.4 25.8 38.8#
 87 0.3 0.4 0.6#



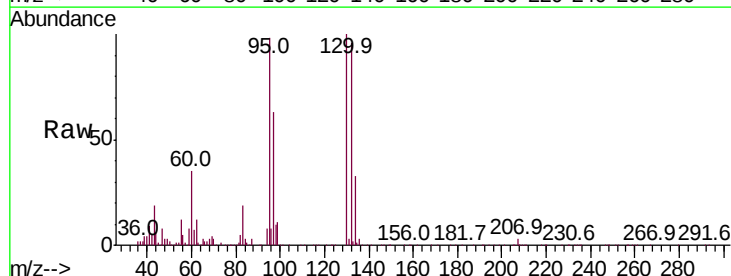
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



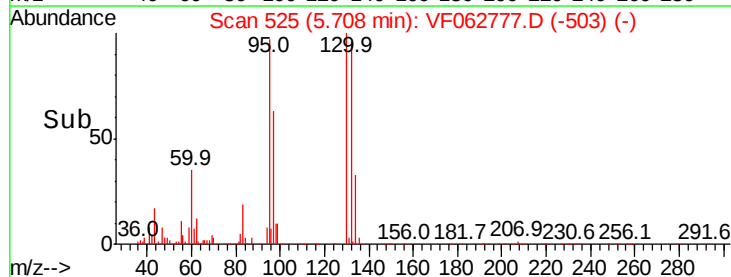
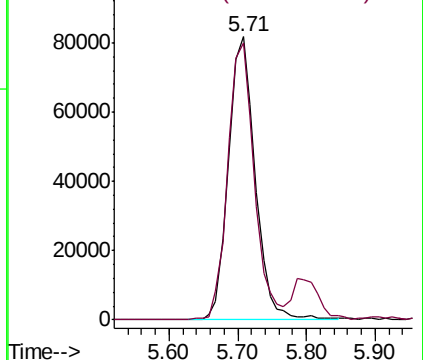
#44

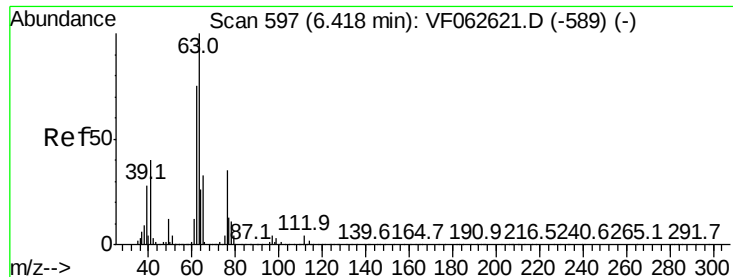
Trichloroethene
 Concen: 22.670 ug/l
 RT: 5.71 min Scan# 525
 Delta R.T. 0.02 min
 Lab File: VF062777.D
 Acq: 29 May 2019 12:41

Tgt Ion:130 Resp: 218540
 Ion Ratio Lower Upper
 130 100
 95 97.8 0.0 199.4



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





#45

1,2-Dichloropropane

Concen: 22.916 ug/l

RT: 6.43 min Scan# 598

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Instrument :

MSVOA_F

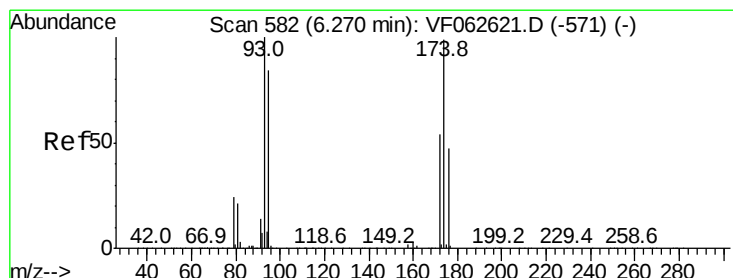
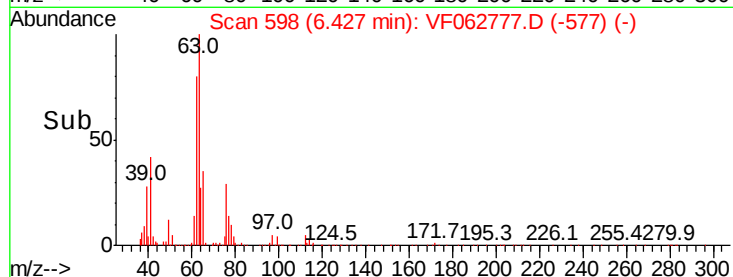
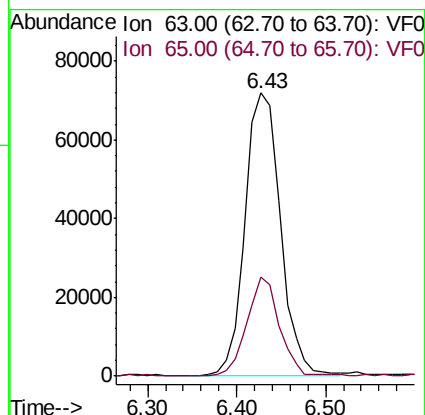
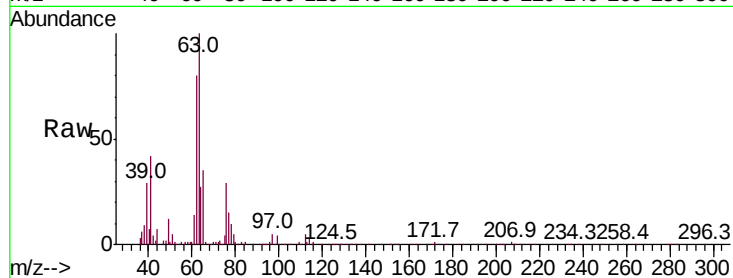
ClientSampleId :

Tot Ion: 63 Resp: 198423

Ion Ratio Lower Upper

63 100

65 34.9 26.3 39.5



#46

Dibromomethane

Concen: 24.190 ug/l

RT: 6.28 min Scan# 583

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

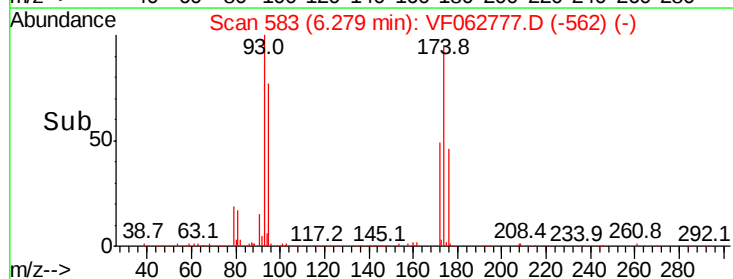
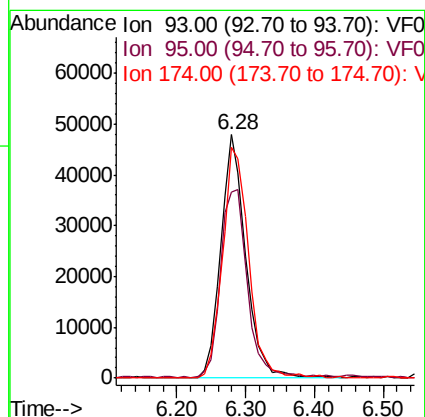
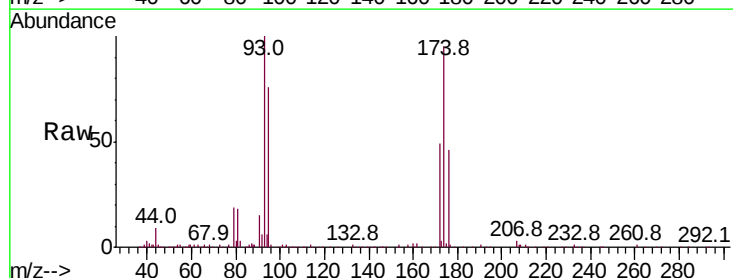
Tgt Ion: 93 Resp: 121048

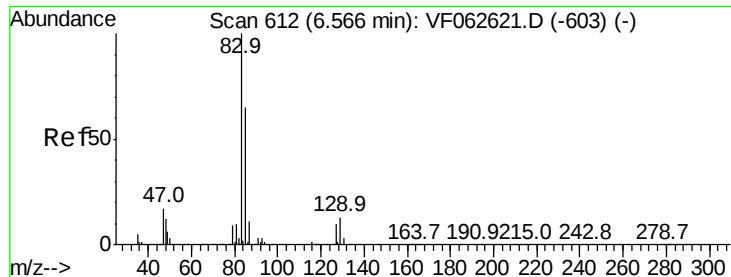
Ion Ratio Lower Upper

93 100

95 76.5 67.4 101.2

174 94.8 79.4 119.2





#47

Bromodichloromethane

Concen: 22.593 ug/l

RT: 6.58 min Scan# 613

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :

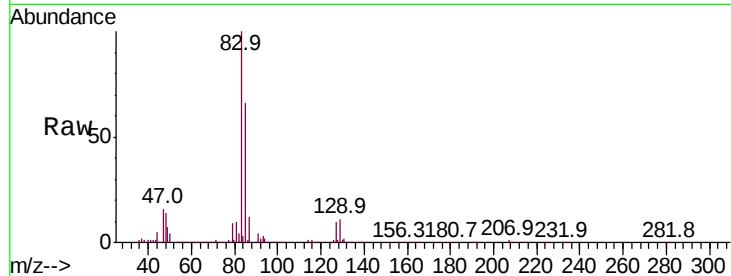
Tot Ion: 83 Resp: 234704

Ion Ratio Lower Upper

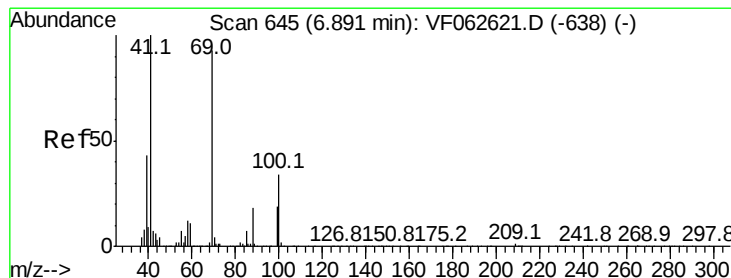
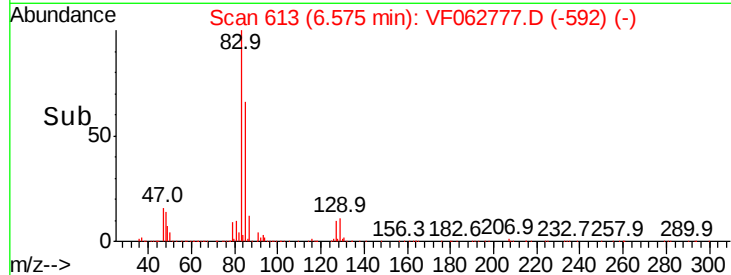
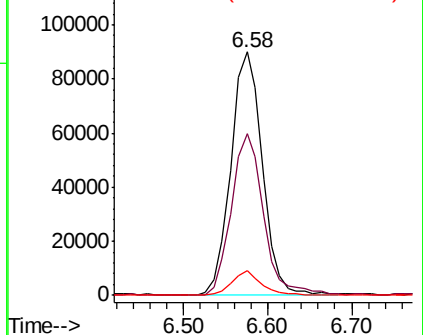
83 100

85 66.4 52.0 78.0

127 11.7 7.7 11.5#



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: 20.103 ug/l

RT: 6.90 min Scan# 646

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

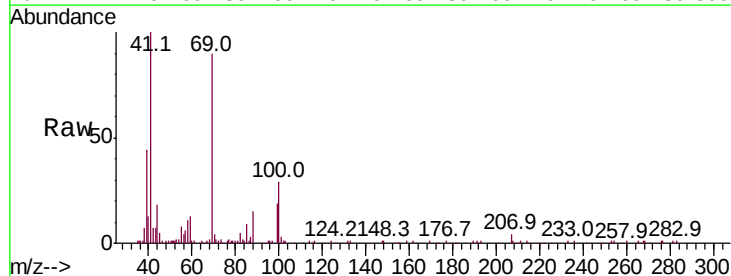
Tgt Ion: 41 Resp: 69980

Ion Ratio Lower Upper

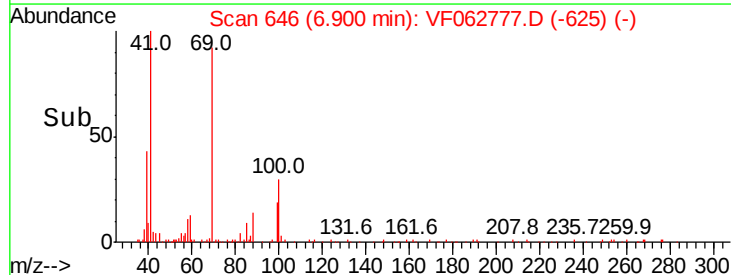
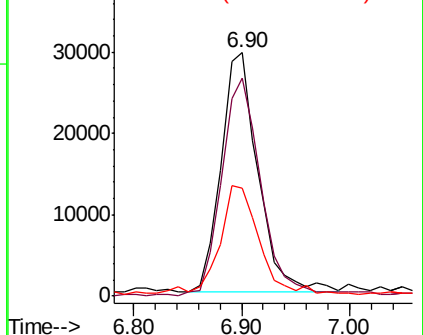
41 100

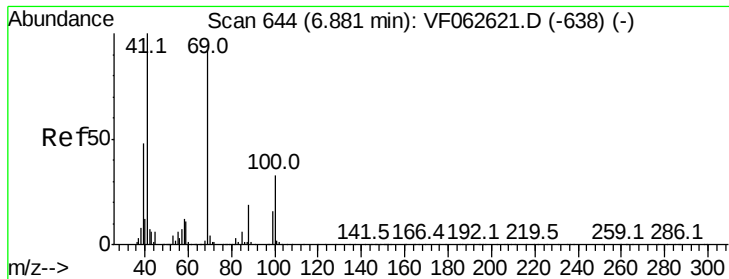
69 89.8 74.2 111.2

39 44.2 34.2 51.4



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

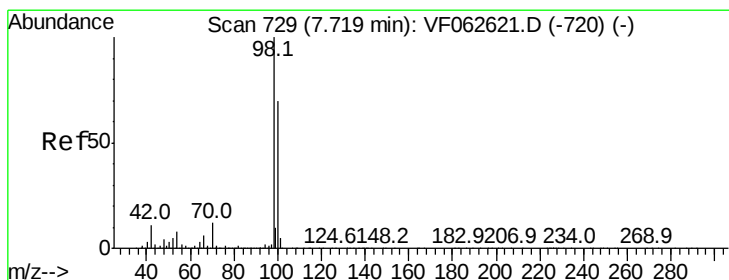
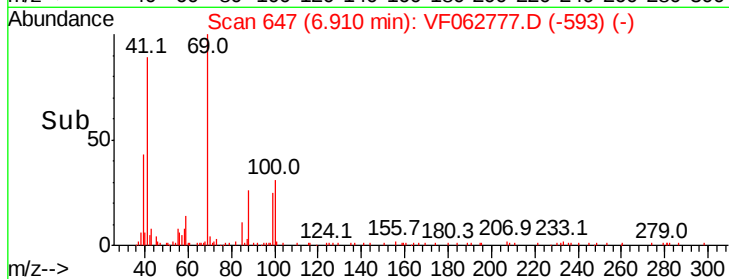
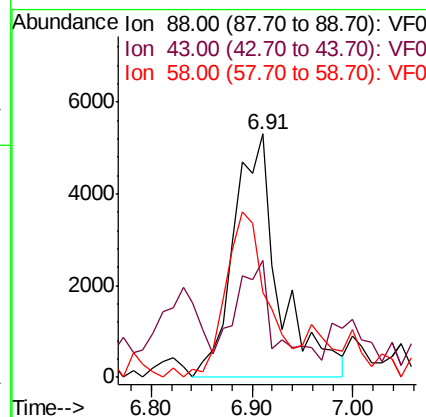
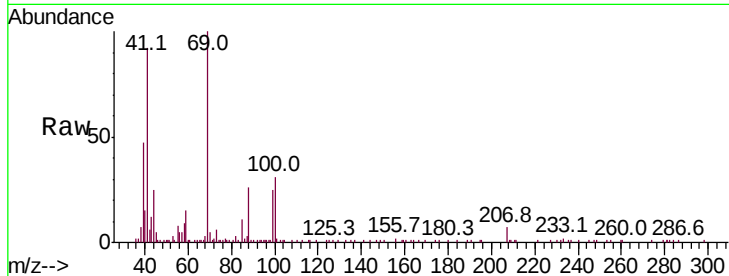




#49
1,4-Dioxane
Concen: 372.341 ug/l
RT: 6.91 min Scan# 647
Delta R.T. 0.03 min
Lab File: VF062777.D
Acq: 29 May 2019 12:41

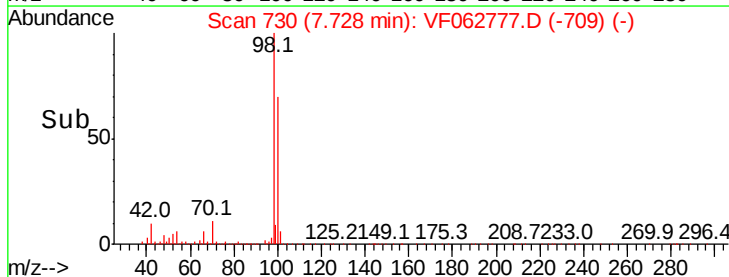
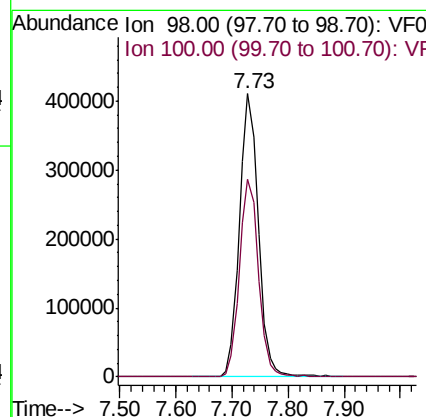
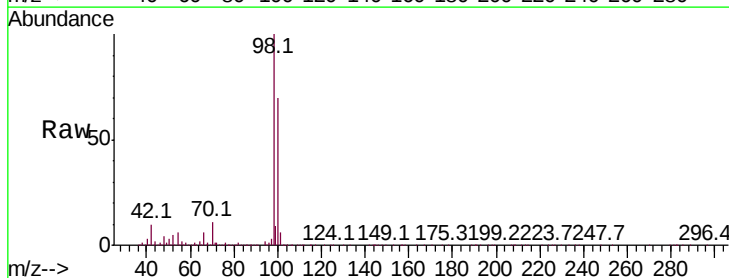
Instrument :
MSVOA_F
ClientSampleId :

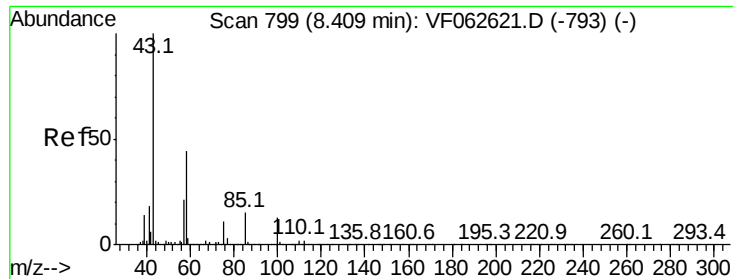
Tot Ion	88	Resp	16601
Ion	Ratio	Lower	Upper
88	100		
43	48.1	30.0	45.0#
58	35.1	51.1	76.7#



#50
Toluene-d8
Concen: 43.077 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.01 min
Lab File: VF062777.D
Acq: 29 May 2019 12:41

Tgt Ion	98	Resp	967029
Ion	Ratio	Lower	Upper
98	100		
100	70.0	56.2	84.2





#51

4-Methyl-2-Pentanone

Concen: 117.697 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

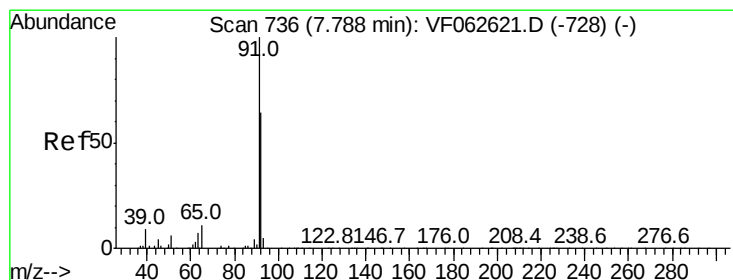
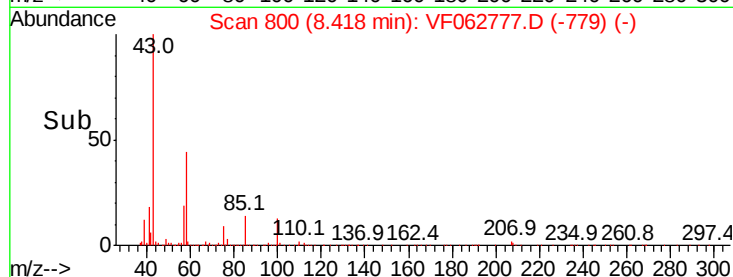
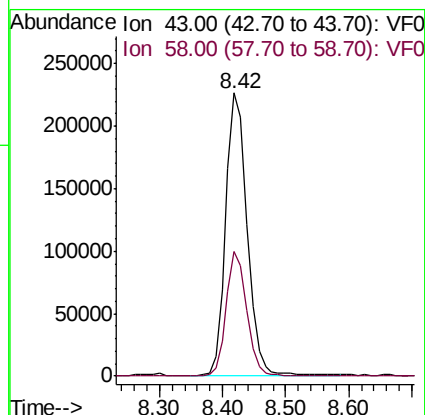
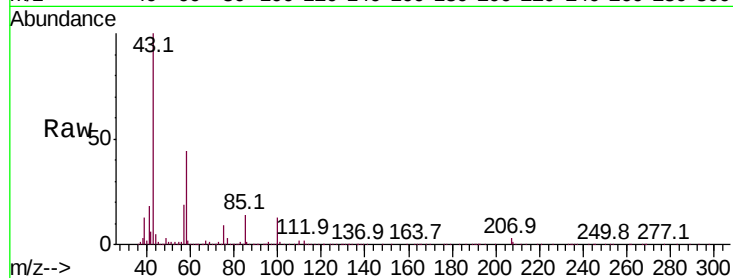
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 535802

Ion Ratio Lower Upper

43 100

58 44.2 34.9 52.3



#52

Toluene

Concen: 23.232 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.01 min

Lab File: VF062777.D

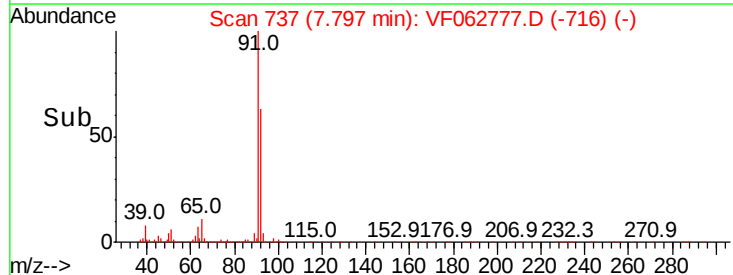
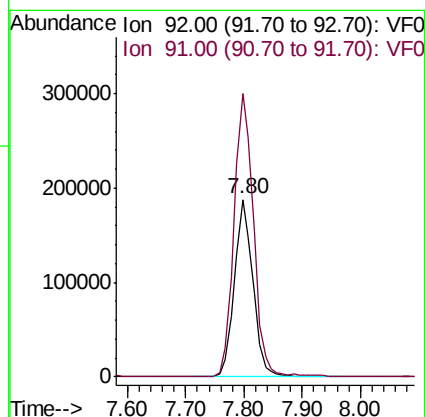
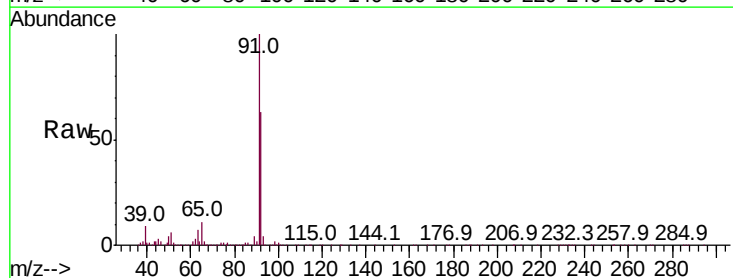
Acq: 29 May 2019 12:41

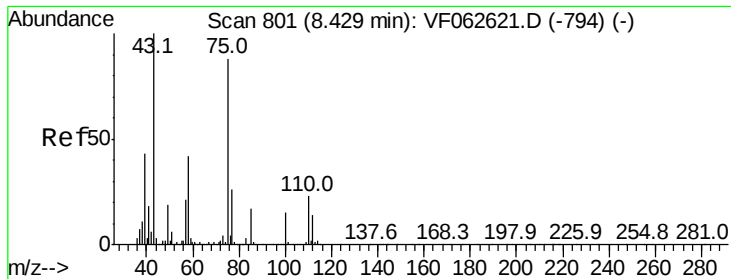
Tgt Ion: 92 Resp: 417915

Ion Ratio Lower Upper

92 100

91 159.7 125.4 188.0





#53

t-1,3-Dichloropropene

Concen: 23.272 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

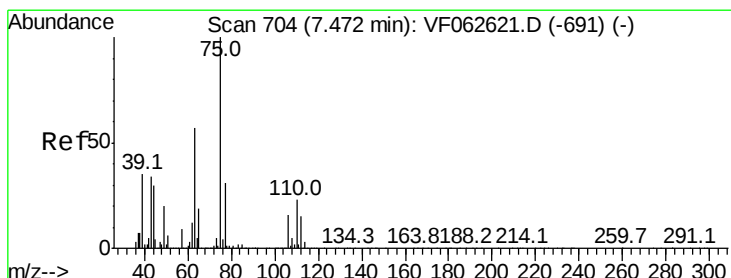
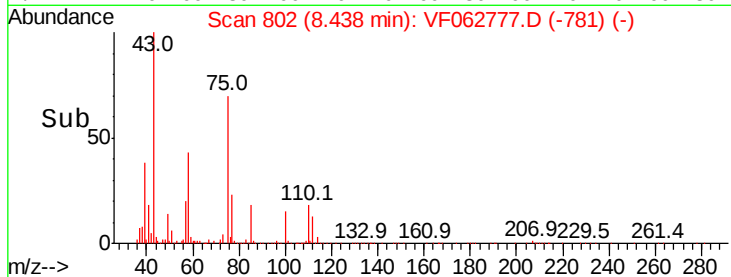
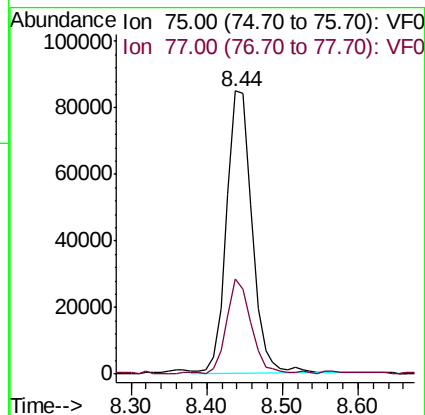
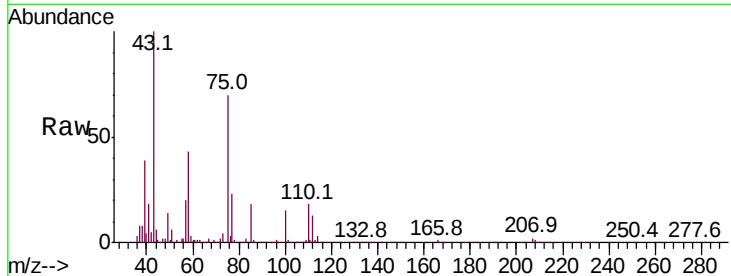
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 75 Resp: 197789

Ion Ratio Lower Upper

75 100

77 33.4 24.2 36.4



#54

cis-1,3-Dichloropropene

Concen: 23.538 ug/l

RT: 7.48 min Scan# 705

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

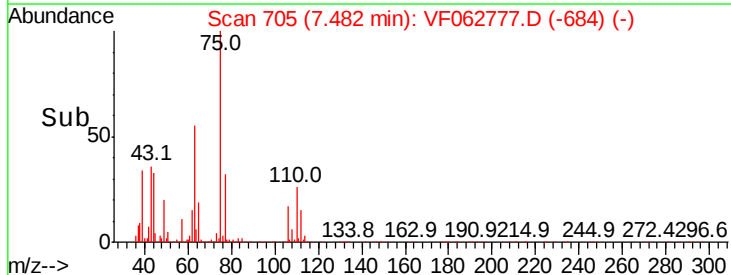
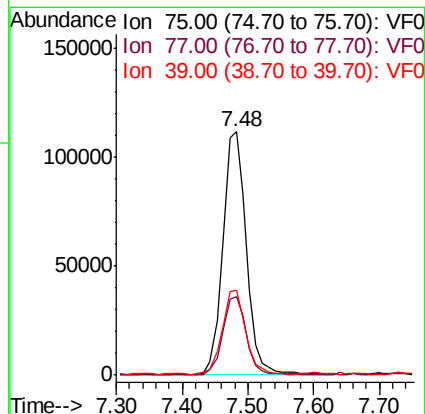
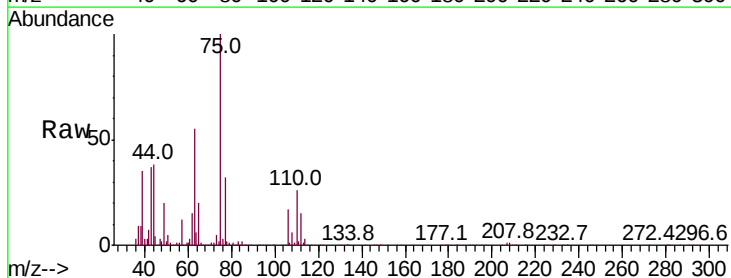
Tgt Ion: 75 Resp: 280034

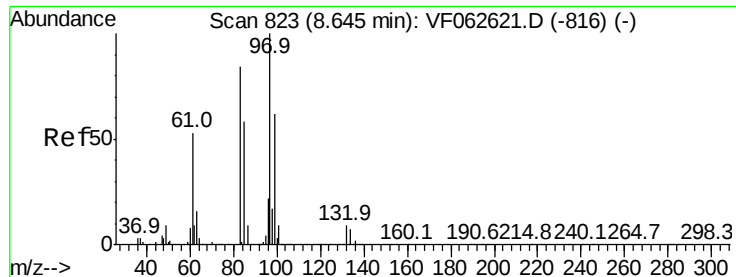
Ion Ratio Lower Upper

75 100

77 32.3 25.3 37.9

39 34.8 28.2 42.2





#55

1,1,2-Trichloroethane

Concen: 25.584 ug/l

RT: 8.66 min Scan# 824

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 97 Resp: 136264

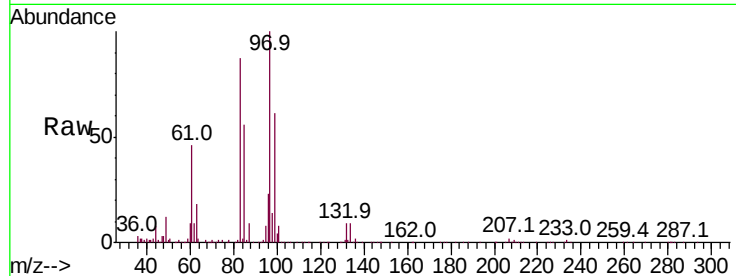
Ion Ratio Lower Upper

97 100

83 86.9 67.3 100.9

85 55.8 46.6 69.8

99 61.1 49.7 74.5

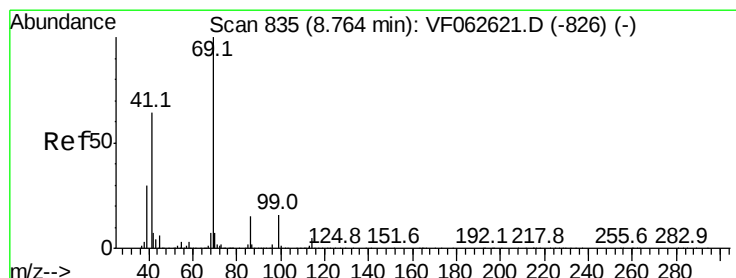
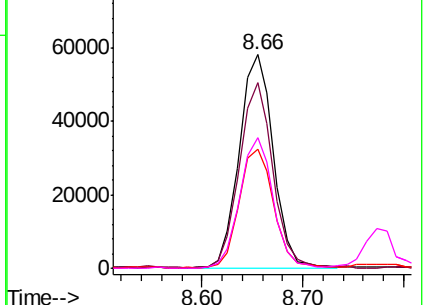
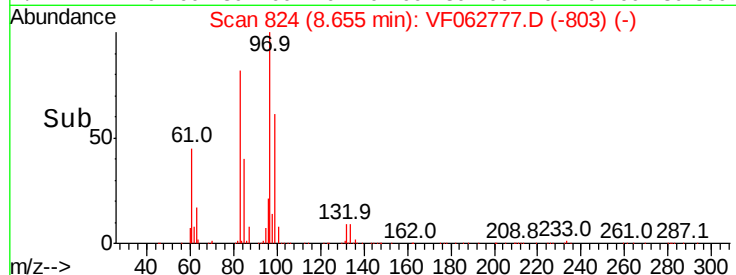


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 21.151 ug/l

RT: 8.77 min Scan# 836

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

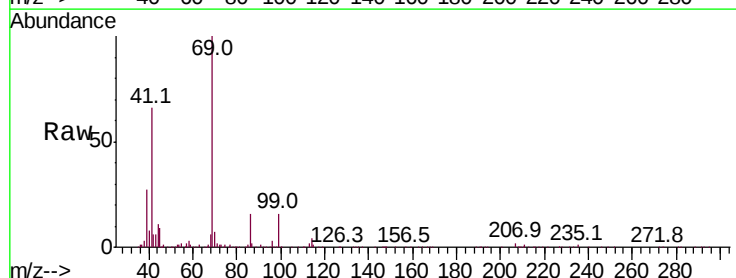
Tgt Ion: 69 Resp: 134210

Ion Ratio Lower Upper

69 100

41 66.3 51.4 77.2

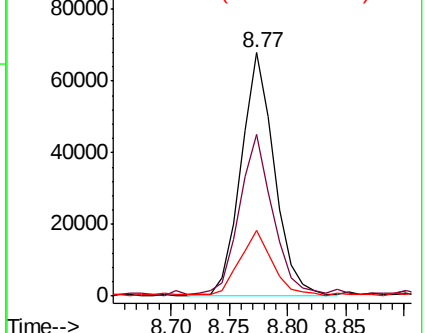
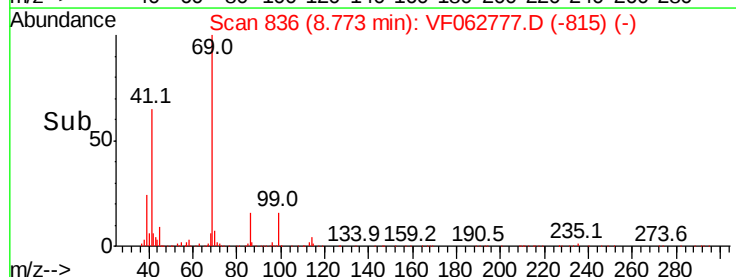
39 26.9 23.6 35.4

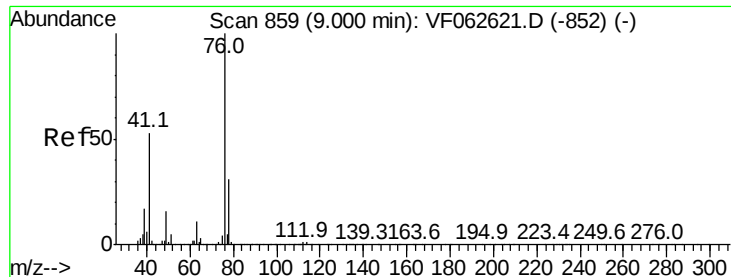


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 23.618 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Instrument :

MSVOA_F

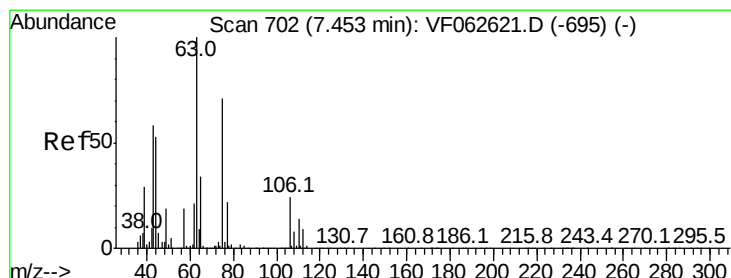
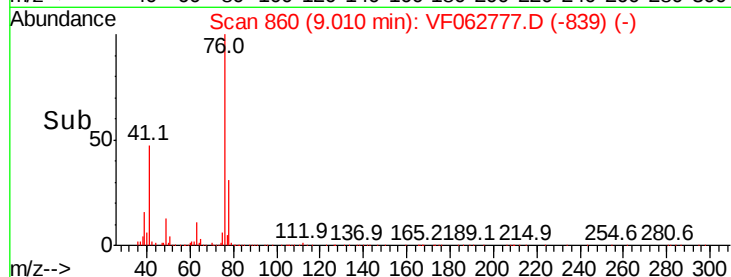
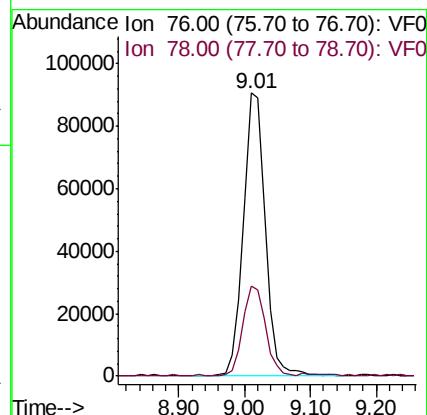
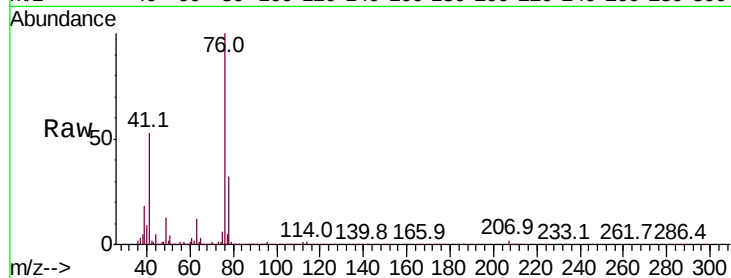
ClientSampled :

Tot Ion: 76 Resp: 214267

Ion Ratio Lower Upper

76 100

78 31.6 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 107.532 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.02 min

Lab File: VF062777.D

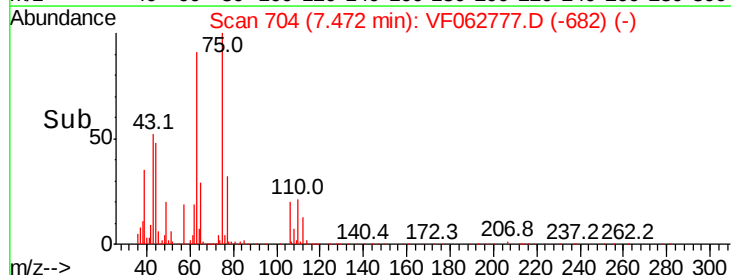
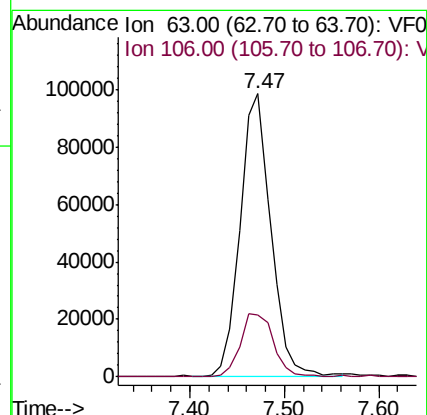
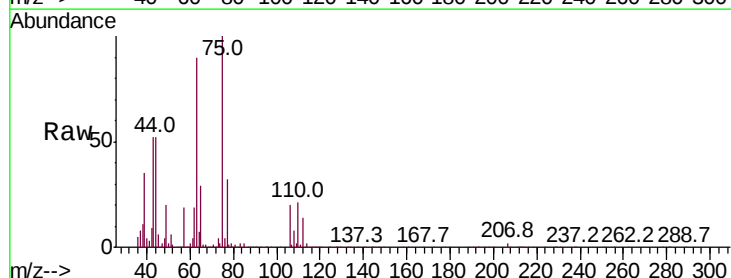
Acq: 29 May 2019 12:41

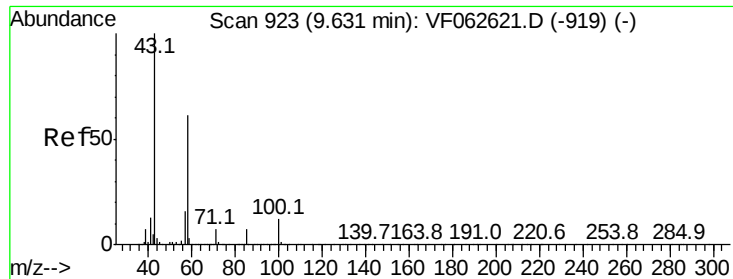
Tgt Ion: 63 Resp: 222102

Ion Ratio Lower Upper

63 100

106 21.7 19.1 28.7

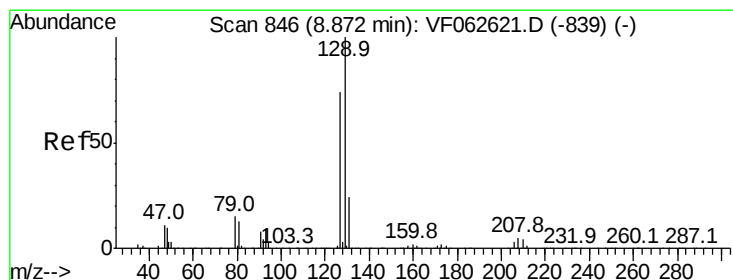
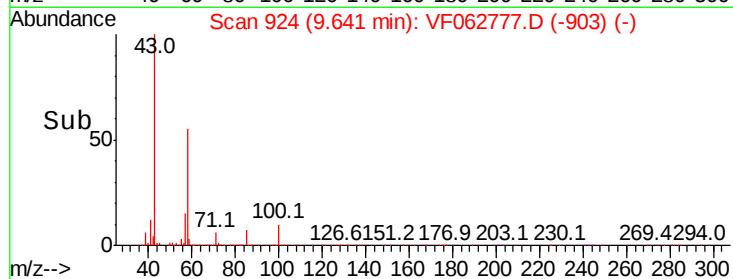
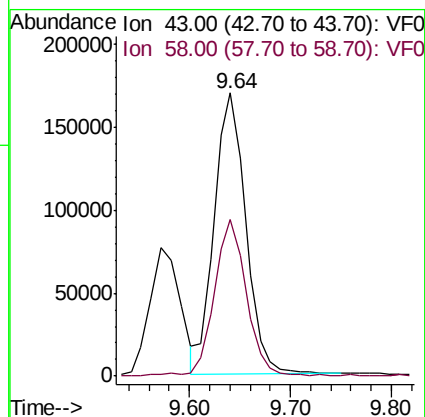
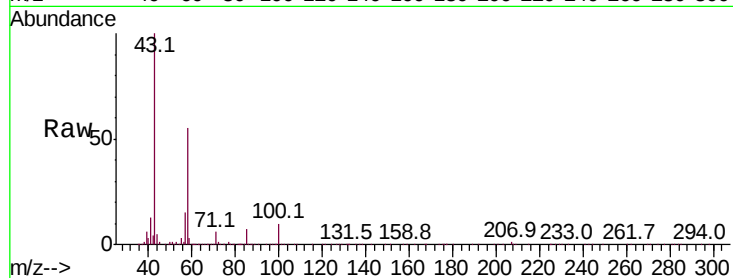




#59
2-Hexanone
Concen: 115.818 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.01 min
Lab File: VF062777.D
Acq: 29 May 2019 12:41

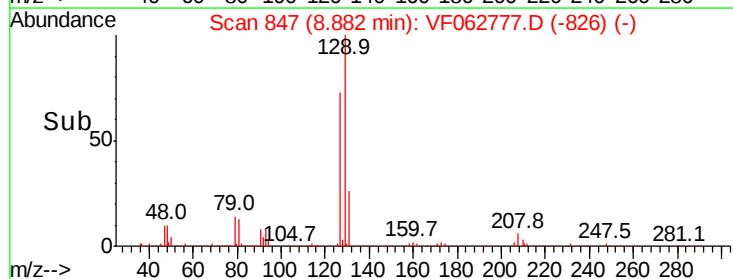
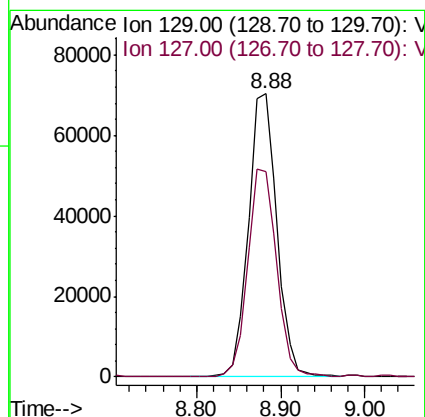
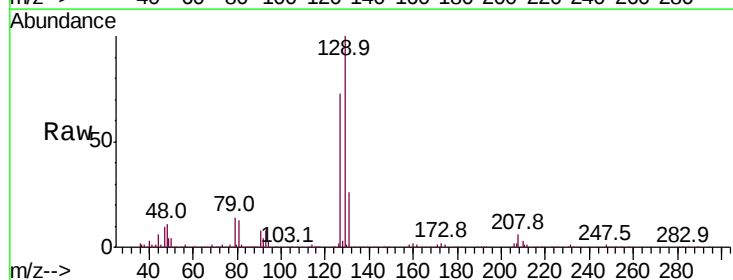
Instrument :
MSVOA_F
ClientSampleId :

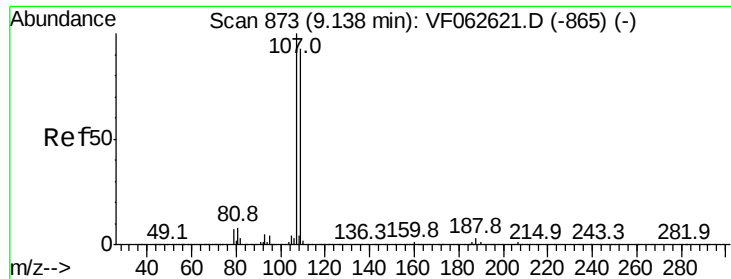
Tot Ion: 43 Resp: 371373
Ion Ratio Lower Upper
43 100
58 55.2 28.1 84.4



#60
Dibromochloromethane
Concen: 23.907 ug/l
RT: 8.88 min Scan# 847
Delta R.T. 0.01 min
Lab File: VF062777.D
Acq: 29 May 2019 12:41

Tgt Ion: 129 Resp: 165953
Ion Ratio Lower Upper
129 100
127 72.7 37.2 111.6





#61

1,2-Dibromoethane

Concen: 23.801 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

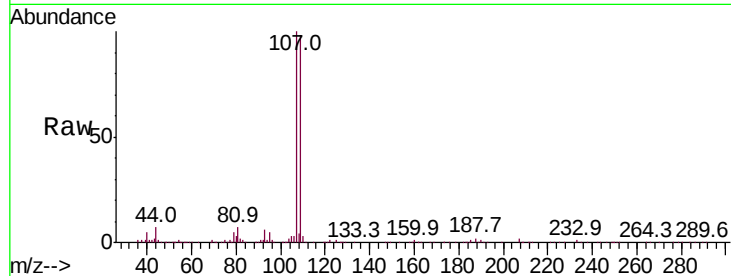
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:107 Resp: 134645

Ion Ratio Lower Upper

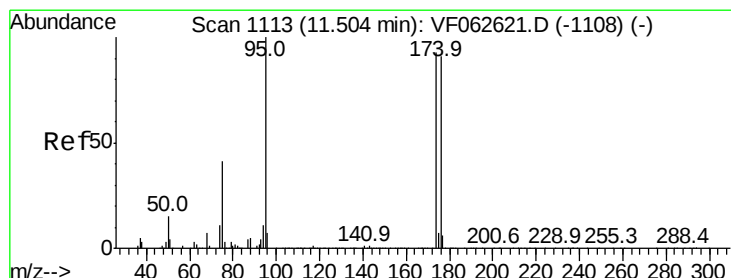
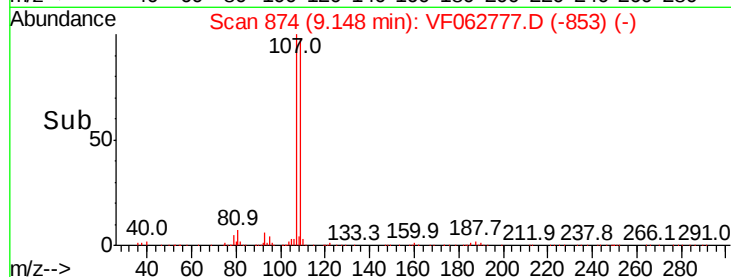
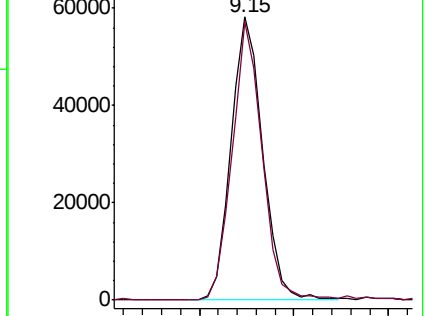
107 100

109 98.1 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 42.431 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

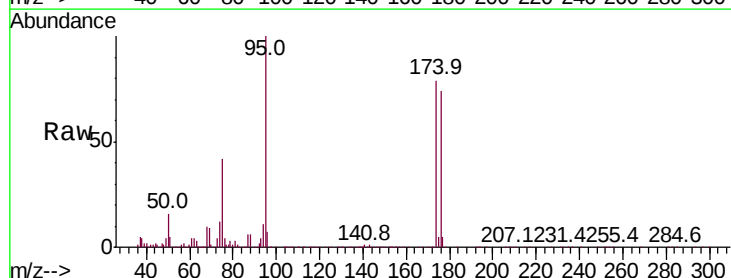
Tgt Ion: 95 Resp: 361261

Ion Ratio Lower Upper

95 100

174 78.9 0.0 185.6

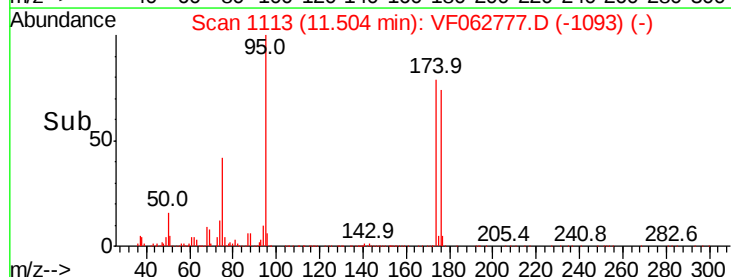
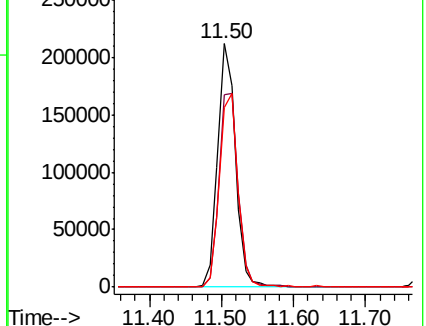
176 73.9 0.0 182.4

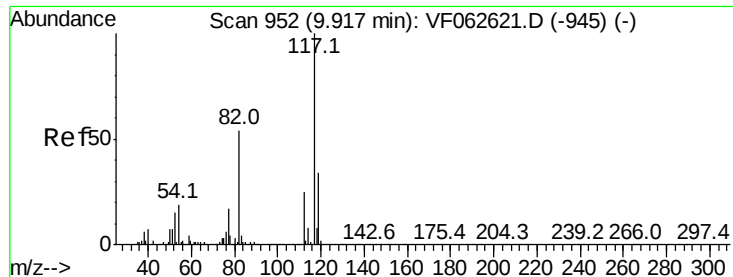


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

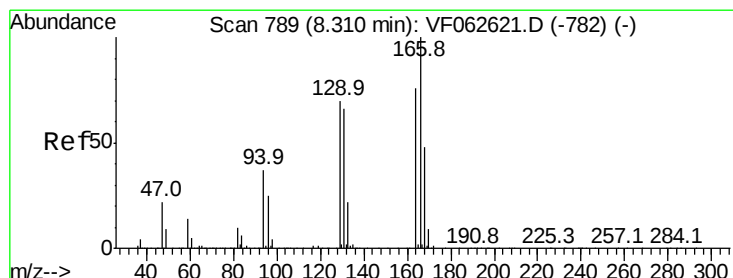
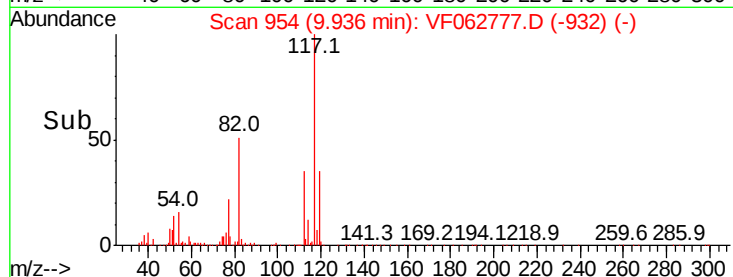
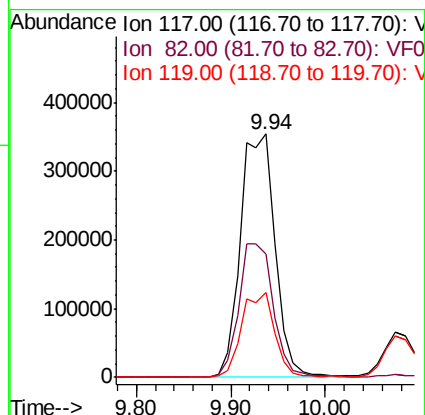
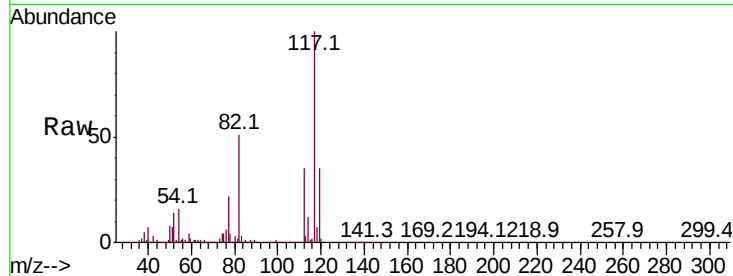




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.02 min
Lab File: VF062777.D
Acq: 29 May 2019 12:41

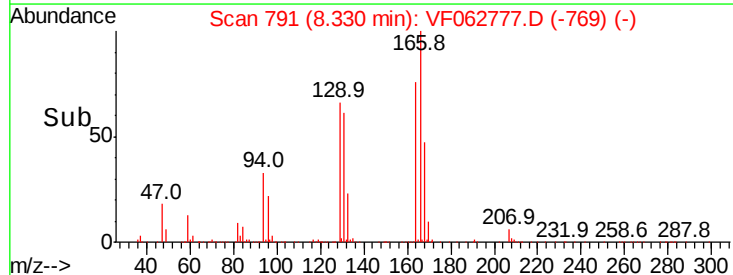
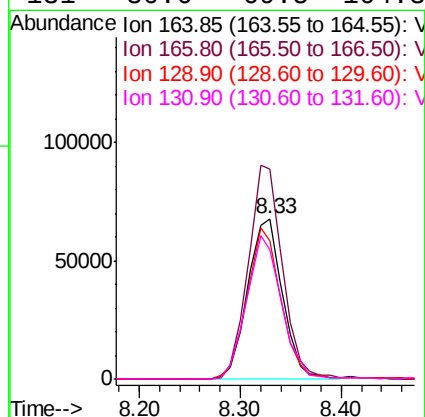
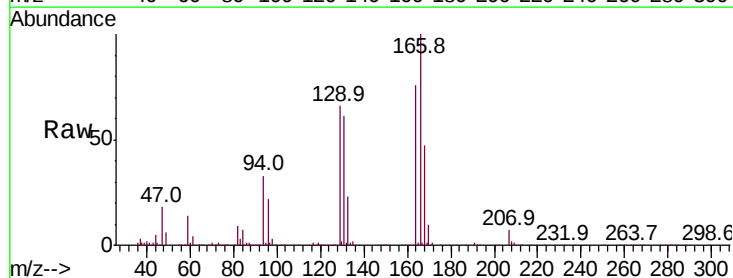
Instrument :
MSVOA_F
ClientSampled :

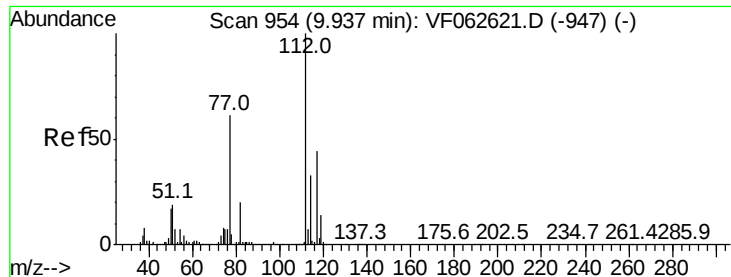
Tot Ion:117 Resp: 902266
Ion Ratio Lower Upper
117 100
82 50.8 43.3 64.9
119 35.1 27.4 41.0



#64
Tetrachloroethene
Concen: 22.787 ug/l
RT: 8.33 min Scan# 791
Delta R.T. 0.02 min
Lab File: VF062777.D
Acq: 29 May 2019 12:41

Tgt Ion:164 Resp: 162882
Ion Ratio Lower Upper
164 100
166 131.1 105.5 158.3
129 86.1 73.8 110.6
131 80.6 69.5 104.3

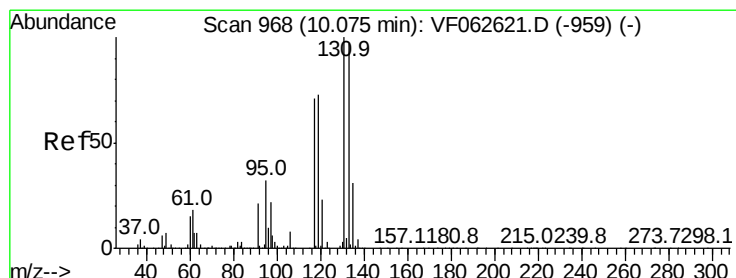
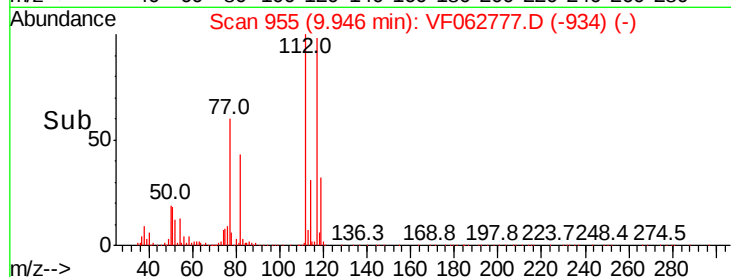
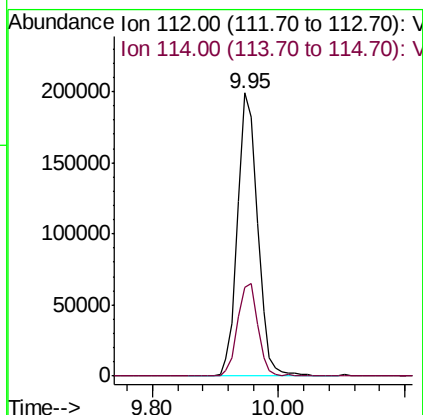
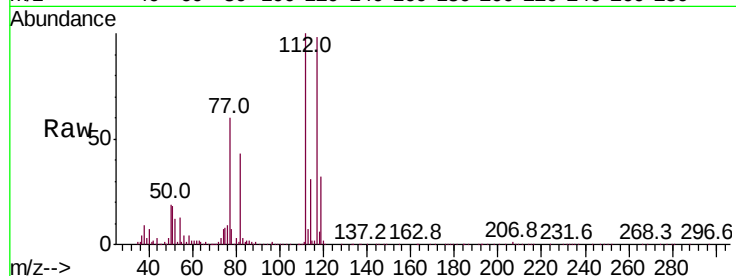




#65
Chlorobenzene
Concen: 24.642 ug/l
RT: 9.95 min Scan# 955
Delta R.T. 0.01 min
Lab File: VF062777.D
Acq: 29 May 2019 12:41

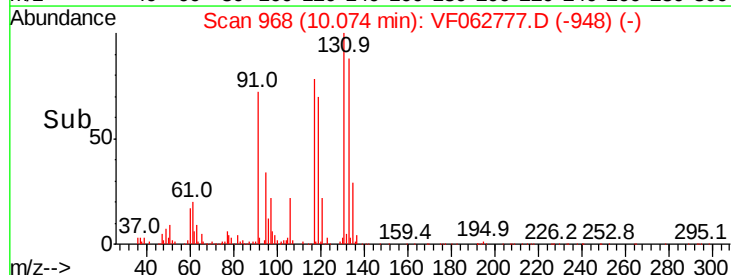
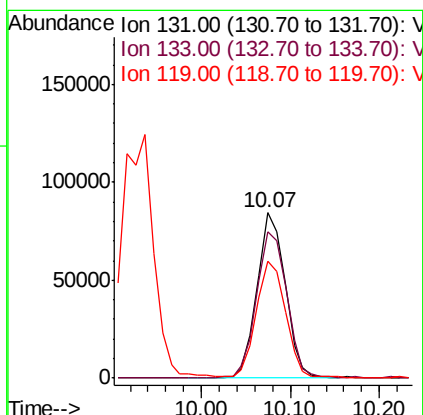
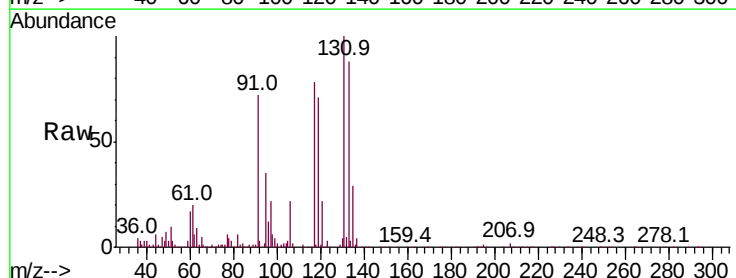
Instrument :
MSVOA_F
ClientSampleId :

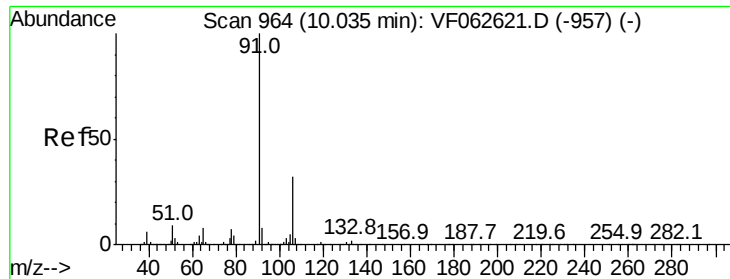
Tot Ion:112 Resp: 436687
Ion Ratio Lower Upper
112 100
114 31.4 26.8 40.2



#66
1,1,1,2-Tetrachloroethane
Concen: 25.899 ug/l
RT: 10.07 min Scan# 968
Delta R.T. -0.00 min
Lab File: VF062777.D
Acq: 29 May 2019 12:41

Tgt Ion:131 Resp: 184253
Ion Ratio Lower Upper
131 100
133 88.5 48.5 145.5
119 70.6 36.8 110.4

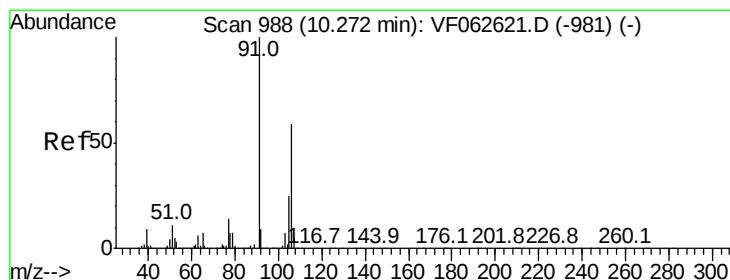
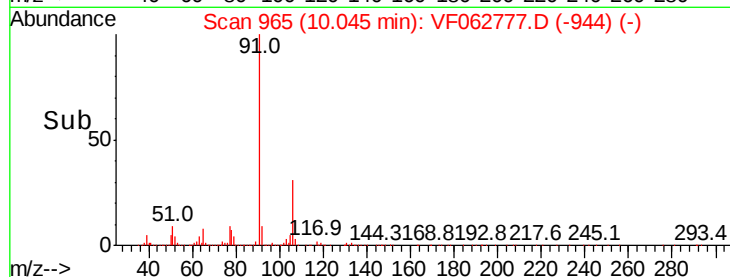
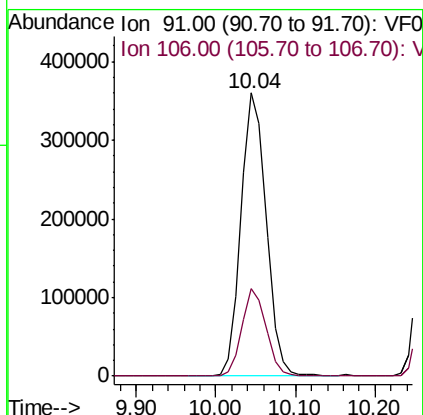
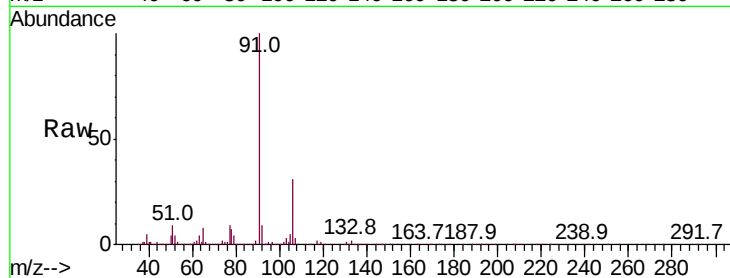




#67
Ethyl Benzene
Concen: 25.776 ug/l
RT: 10.04 min Scan# 965
Delta R.T. 0.01 min
Lab File: VF062777.D
Acq: 29 May 2019 12:41

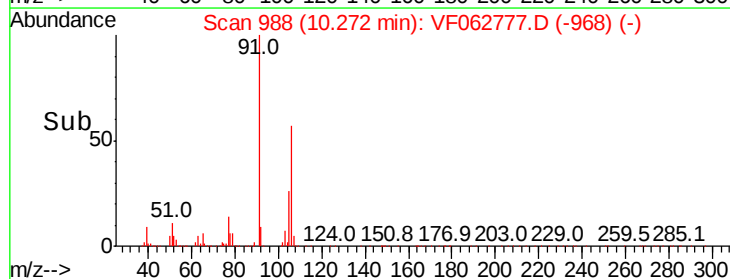
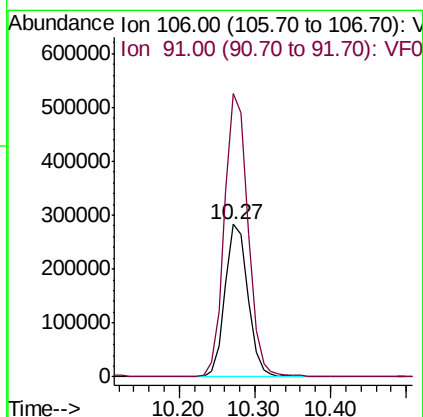
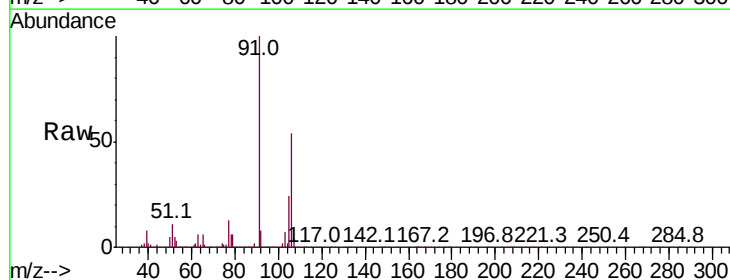
Instrument :
MSVOA_F
ClientSampleId :

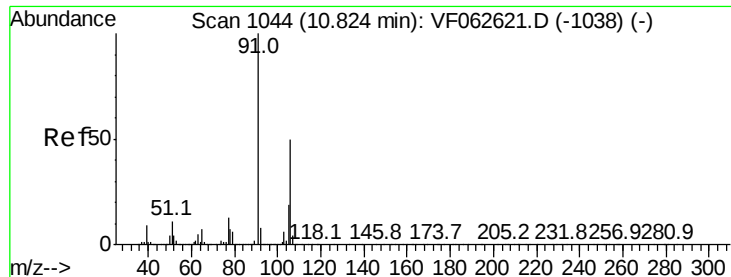
Tot Ion: 91 Resp: 793528
Ion Ratio Lower Upper
91 100
106 30.9 25.8 38.8



#68
m/p-Xylenes
Concen: 51.317 ug/l
RT: 10.27 min Scan# 988
Delta R.T. -0.00 min
Lab File: VF062777.D
Acq: 29 May 2019 12:41

Tgt Ion: 106 Resp: 593771
Ion Ratio Lower Upper
106 100
91 185.3 136.9 205.3

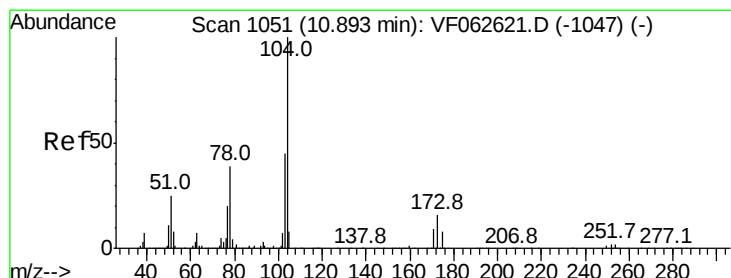
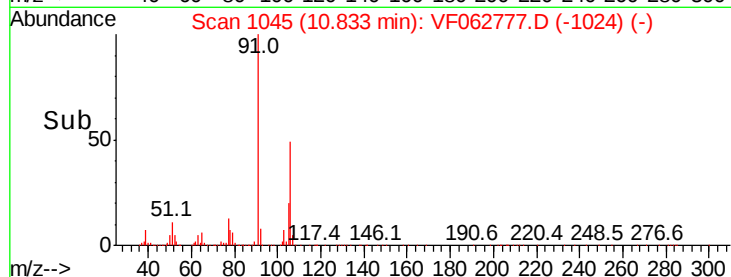
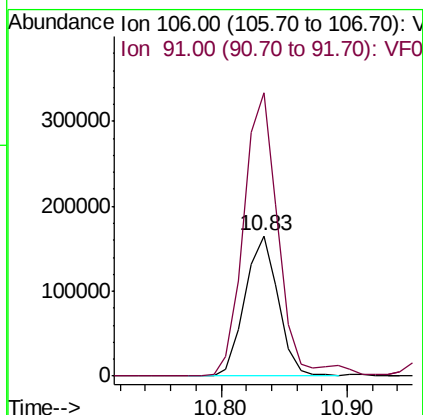
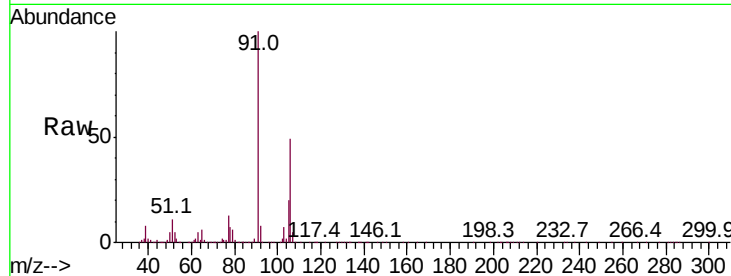




#69
o-Xylene
Concen: 25.362 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VF062777.D
Acq: 29 May 2019 12:41

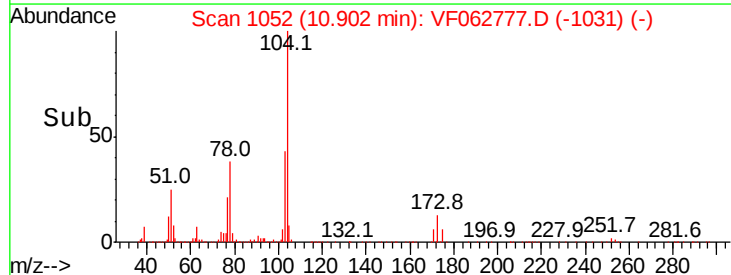
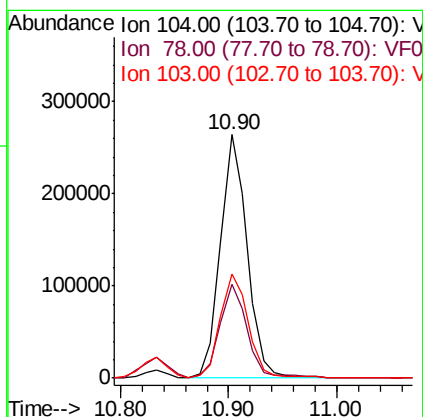
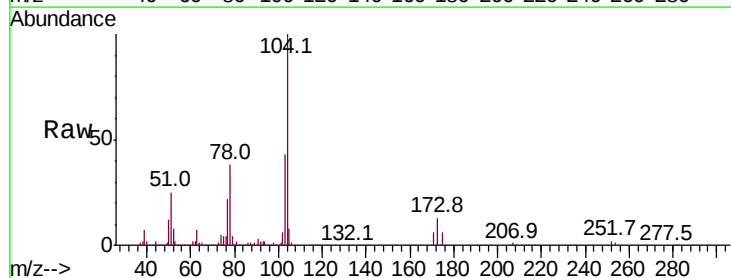
Instrument :
MSVOA_F
ClientSampleId :

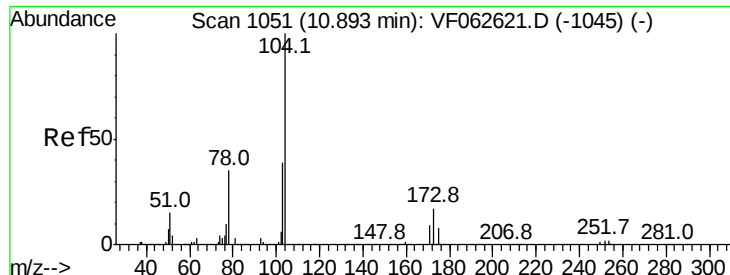
Tot Ion:106 Resp: 302266
Ion Ratio Lower Upper
106 100
91 202.2 100.2 300.5



#70
Styrene
Concen: 25.036 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VF062777.D
Acq: 29 May 2019 12:41

Tgt Ion:104 Resp: 453517
Ion Ratio Lower Upper
104 100
78 38.4 31.9 47.9
103 42.7 36.1 54.1

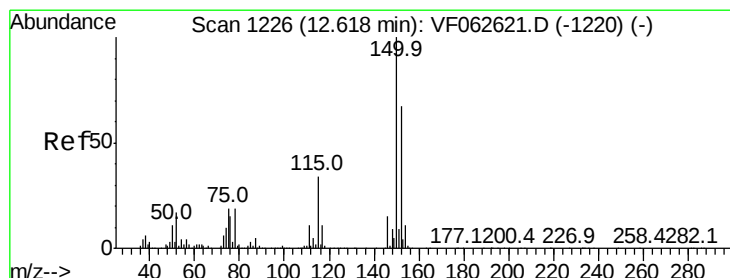
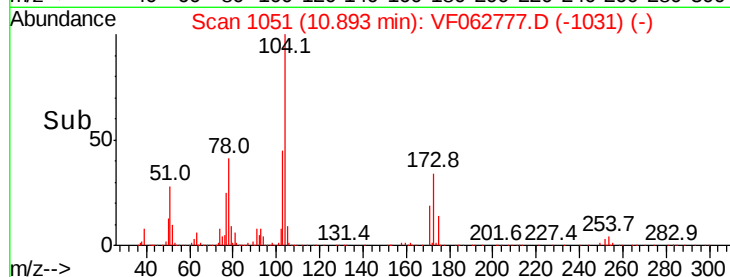
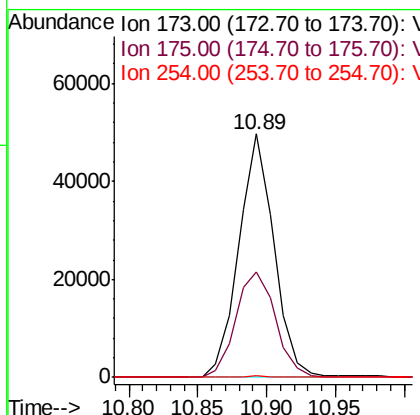
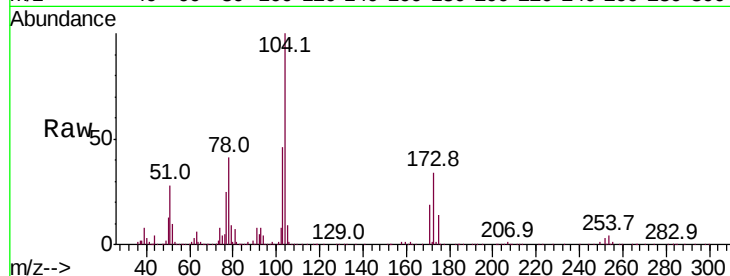




#71
Bromoform
Concen: 24.810 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF062777.D
Acq: 29 May 2019 12:41

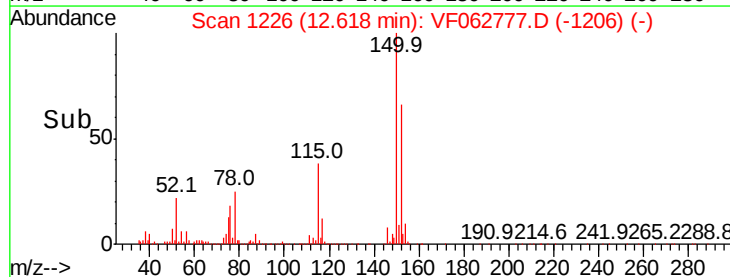
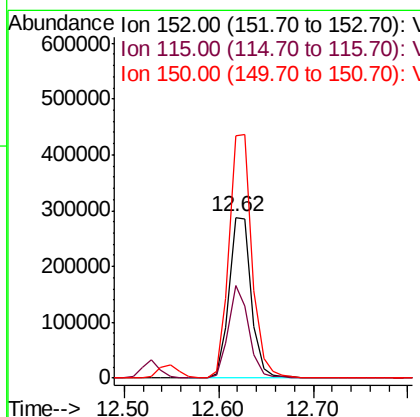
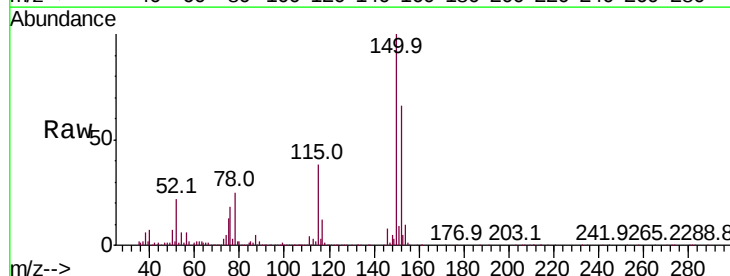
Instrument :
MSVOA_F
ClientSampleId :

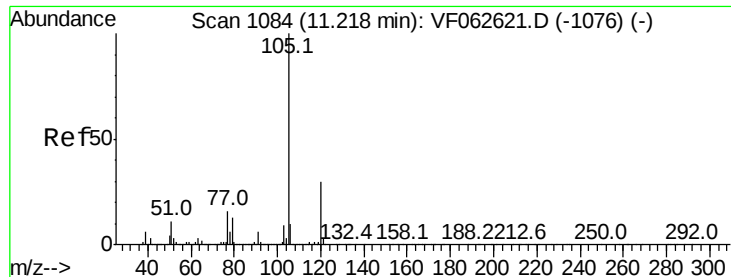
Tot Ion	Ratio	Lower	Upper
173	100		
175	43.1	25.3	75.9
254	0.5	0.2	0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. -0.00 min
Lab File: VF062777.D
Acq: 29 May 2019 12:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	25.2	75.6
150	151.0	0.0	306.2





#73

Isopropylbenzene

Concen: 22.817 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Instrument :

MSVOA_F

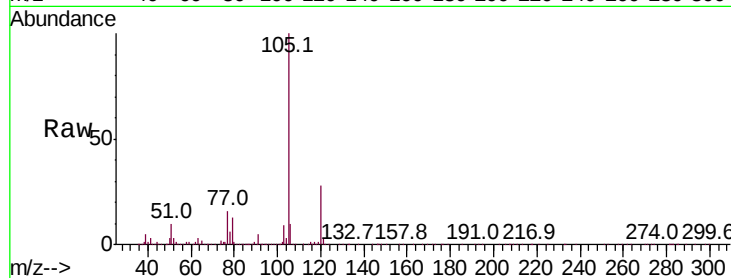
ClientSampleId :

Tot Ion:105 Resp: 766983

Ion Ratio Lower Upper

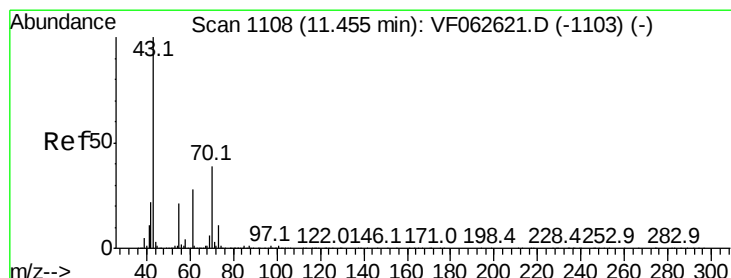
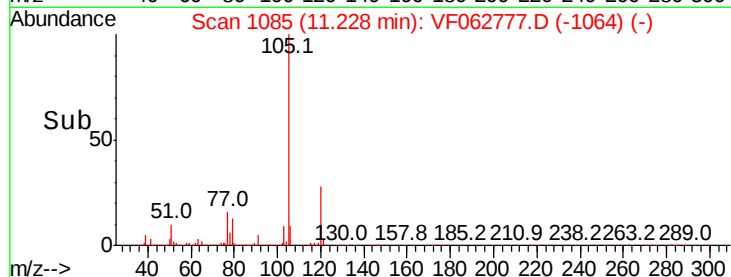
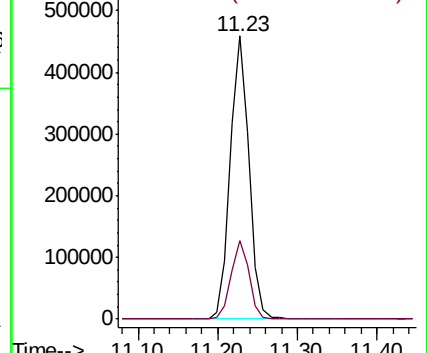
105 100

120 27.6 14.8 44.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 23.506 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Tgt Ion: 43 Resp: 225506

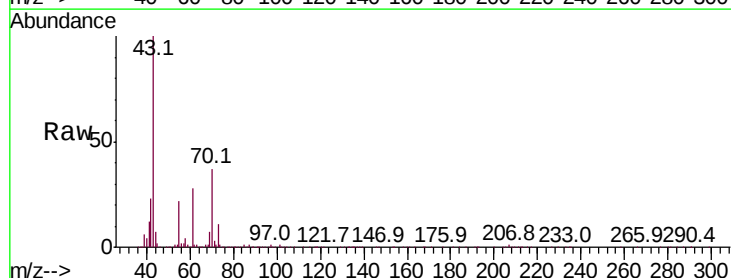
Ion Ratio Lower Upper

43 100

70 37.2 30.9 46.3

55 21.8 17.0 25.4

61 28.0 22.6 34.0

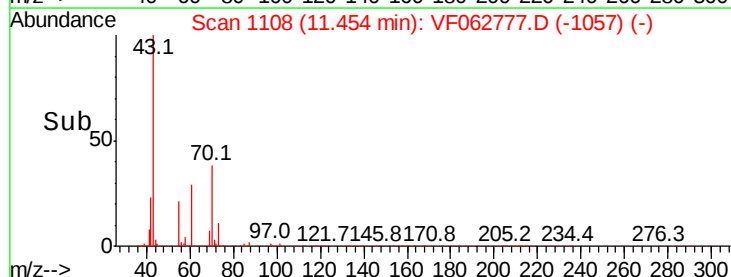
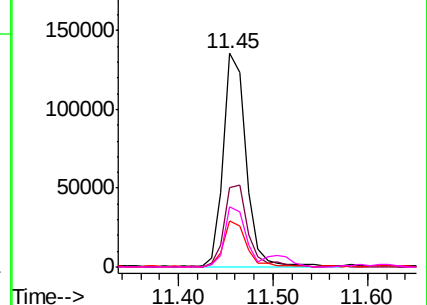


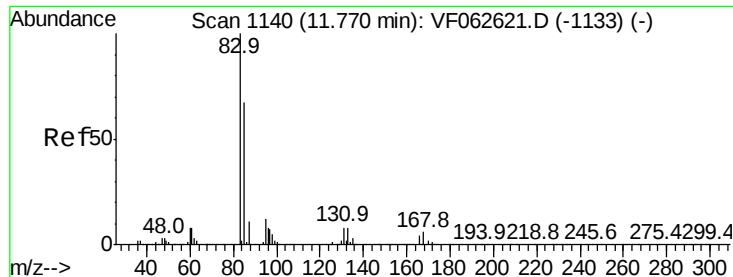
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 24.252 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

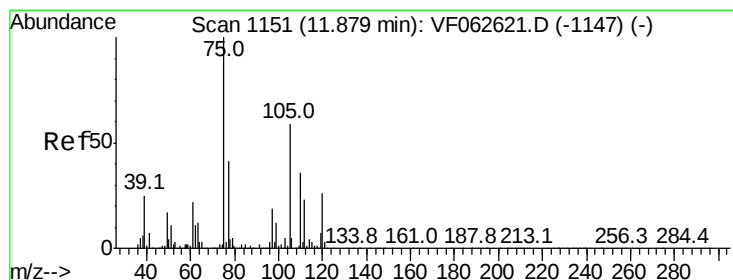
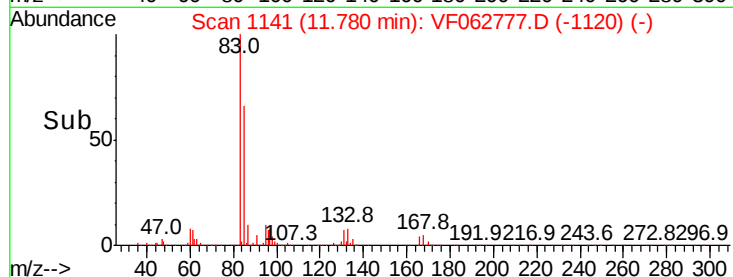
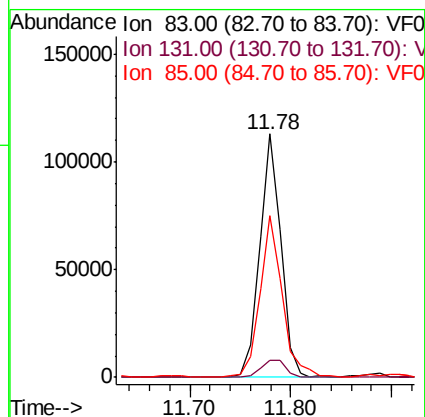
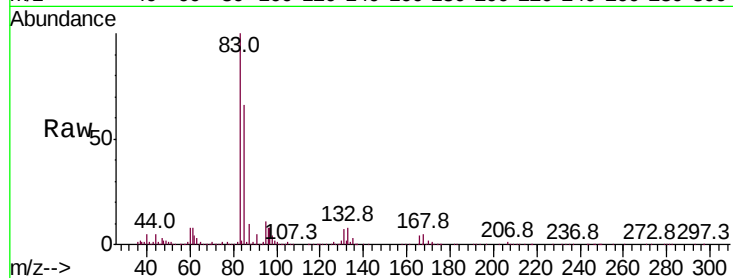
Tot Ion: 83 Resp: 166606

Ion Ratio Lower Upper

83 100

131 7.1 4.0 12.0

85 66.2 33.5 100.5



#76

1,2,3-Trichloropropane

Concen: 23.484 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.00 min

Lab File: VF062777.D

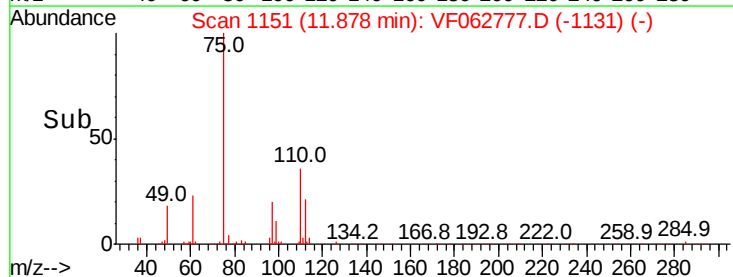
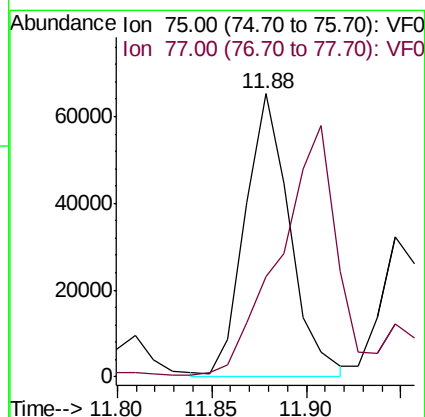
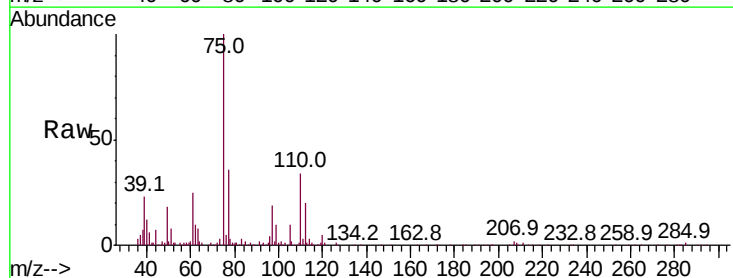
Acq: 29 May 2019 12:41

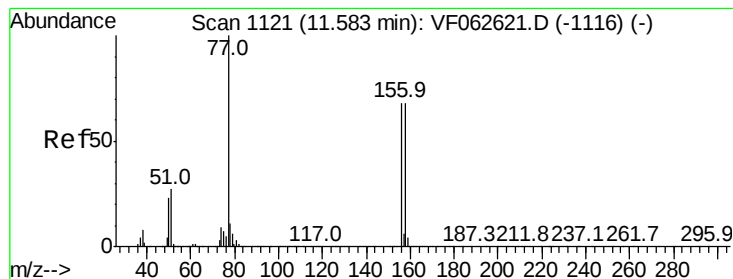
Tgt Ion: 75 Resp: 106004

Ion Ratio Lower Upper

75 100

77 35.7 20.6 61.8





#77

Bromobenzene

Concen: 22.836 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

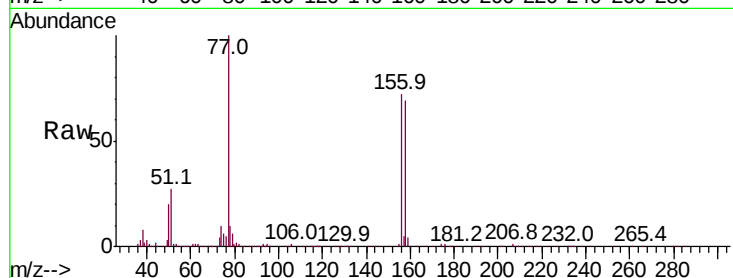
Tot Ion:156 Resp: 190815

Ion Ratio Lower Upper

156 100

77 139.6 73.6 220.8

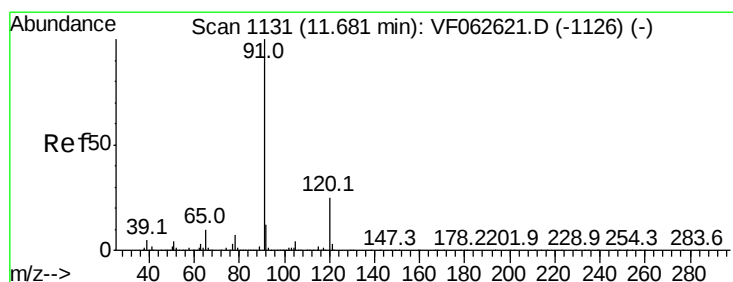
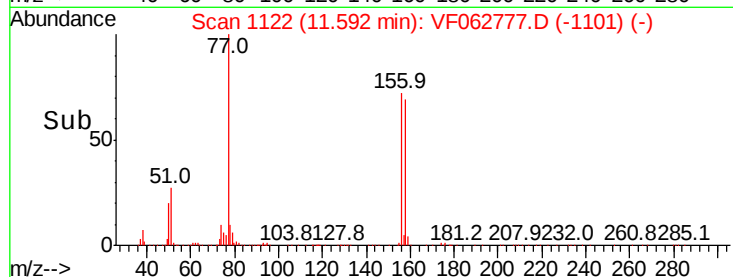
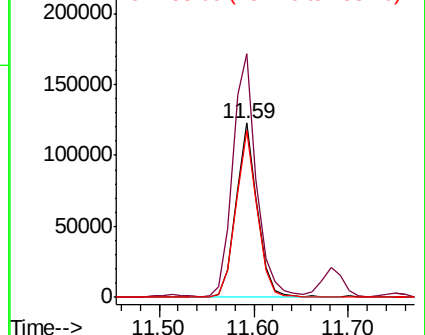
158 96.0 49.6 148.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 23.400 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF062777.D

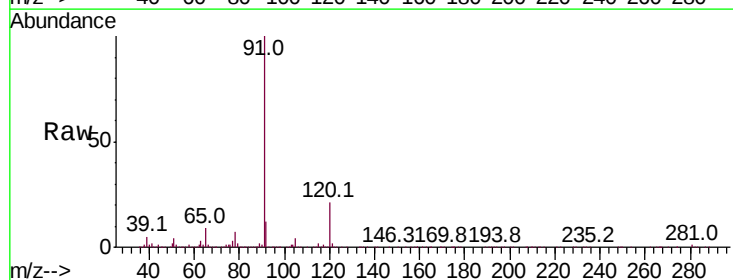
Acq: 29 May 2019 12:41

Tgt Ion: 91 Resp: 930912

Ion Ratio Lower Upper

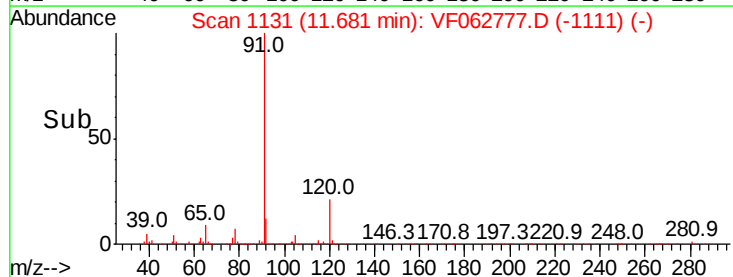
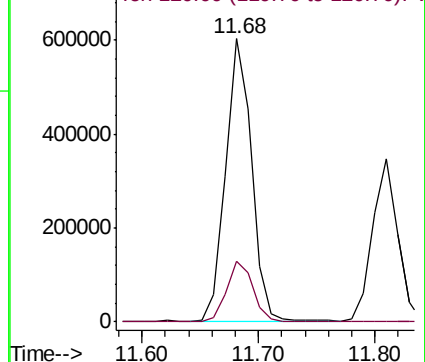
91 100

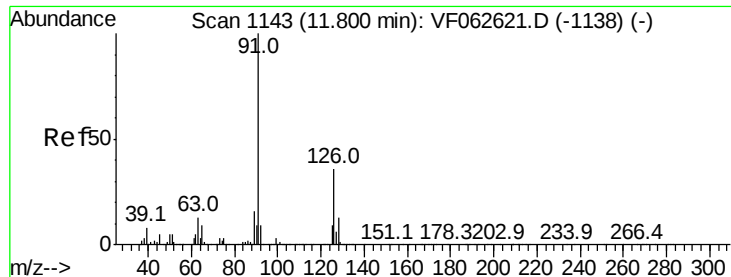
120 21.5 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.090 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Instrument :

MSVOA_F

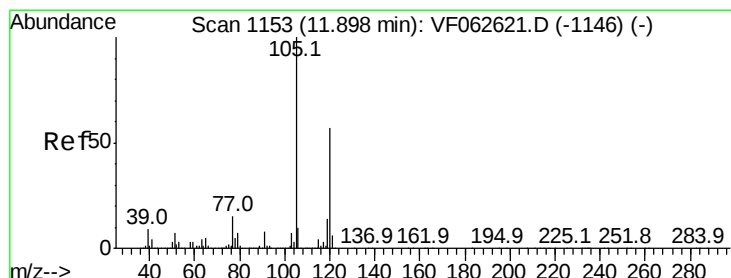
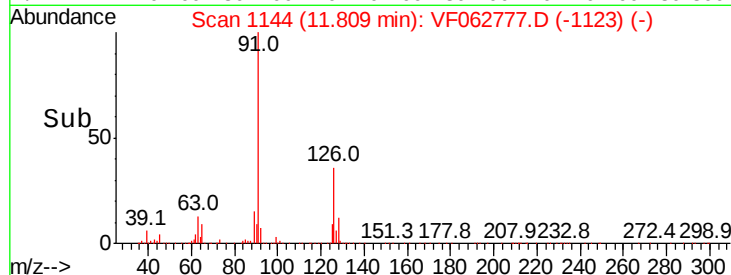
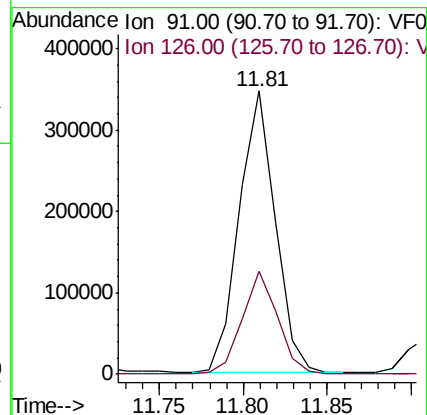
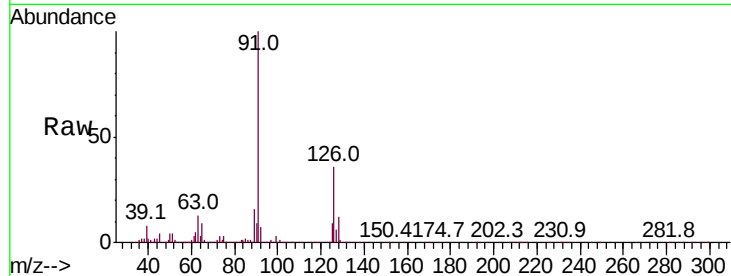
ClientSampleId :

Tot Ion: 91 Resp: 517687

Ion Ratio Lower Upper

91 100

126 36.2 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 24.037 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.01 min

Lab File: VF062777.D

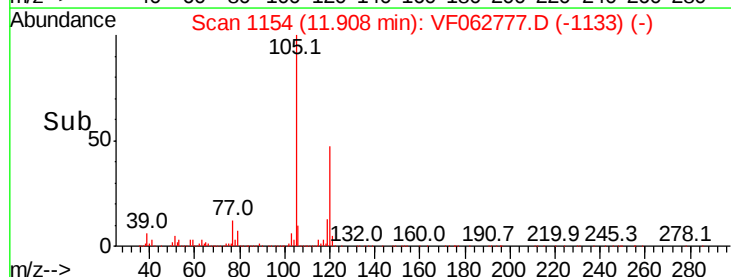
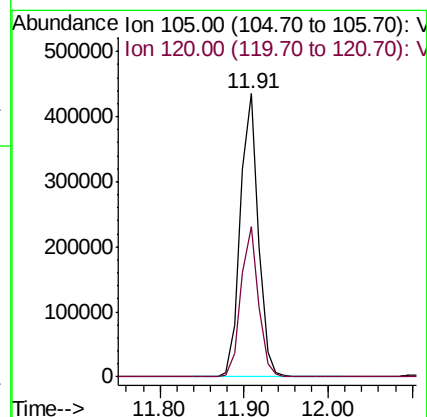
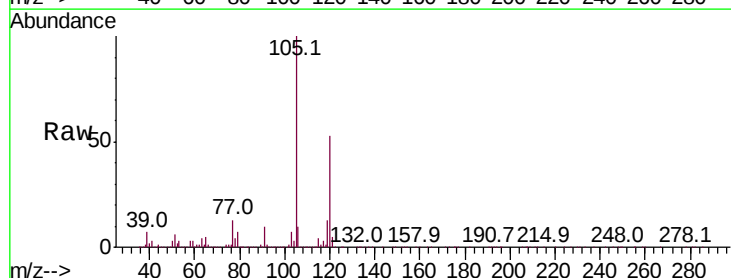
Acq: 29 May 2019 12:41

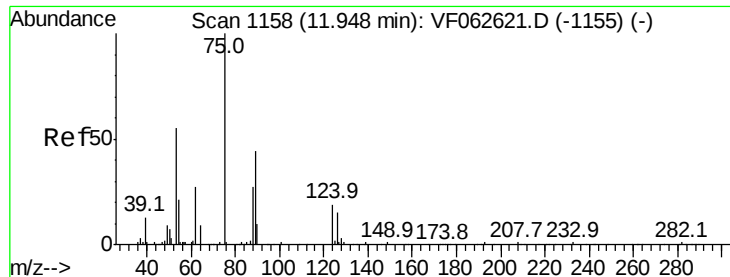
Tgt Ion: 105 Resp: 647902

Ion Ratio Lower Upper

105 100

120 53.1 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 32.372 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Instrument :

MSVOA_F

ClientSampled :

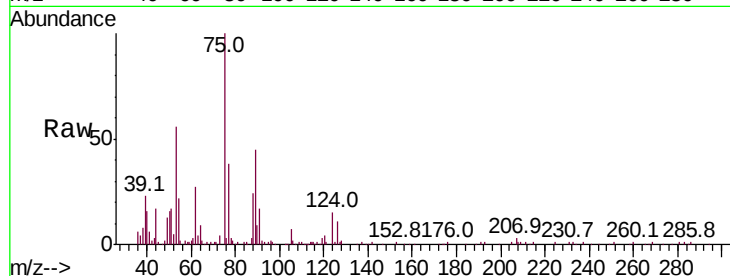
Tot Ion: 75 Resp: 64952

Ion Ratio Lower Upper

75 100

53 56.4 46.9 70.3

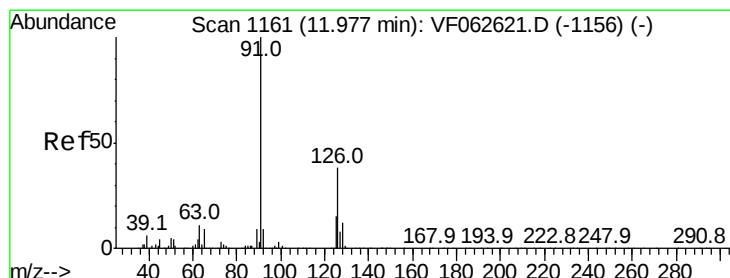
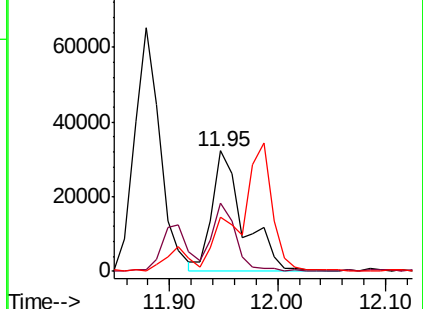
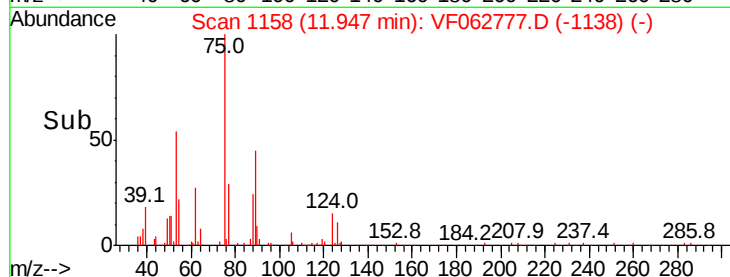
89 45.0 36.4 54.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 24.503 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VF062777.D

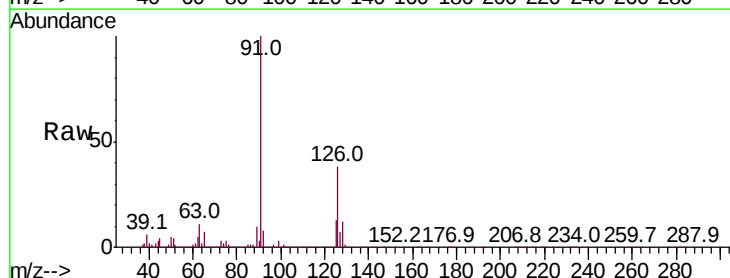
Acq: 29 May 2019 12:41

Tgt Ion: 91 Resp: 541750

Ion Ratio Lower Upper

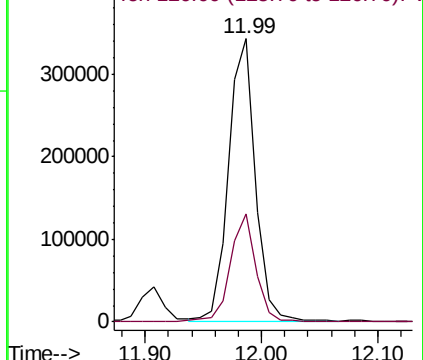
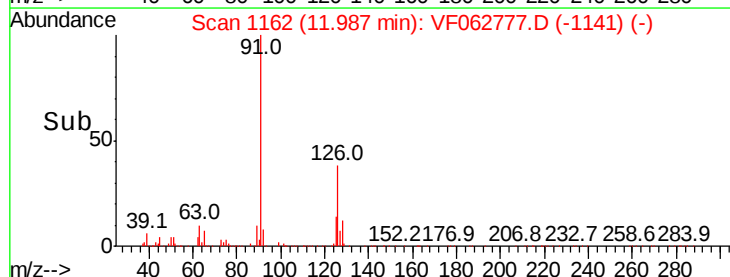
91 100

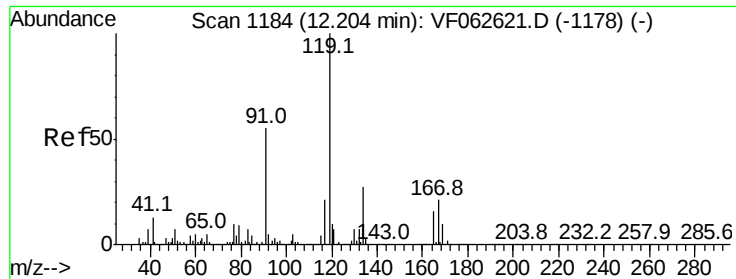
126 38.2 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 23.572 ug/l

RT: 12.20 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VF062777.D

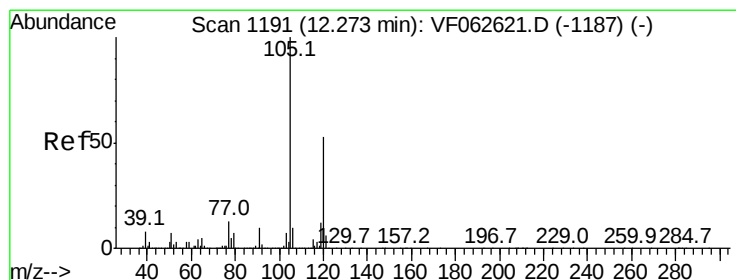
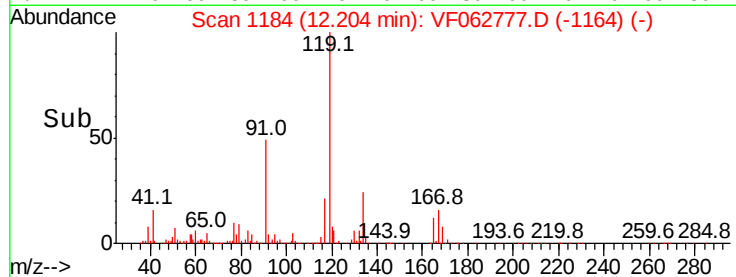
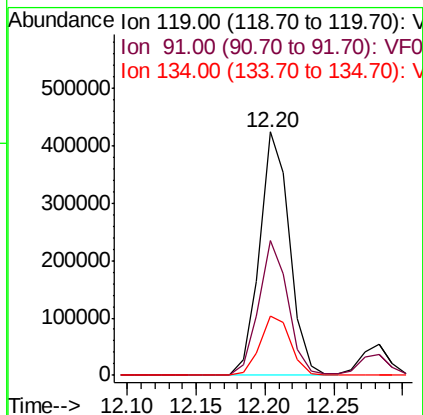
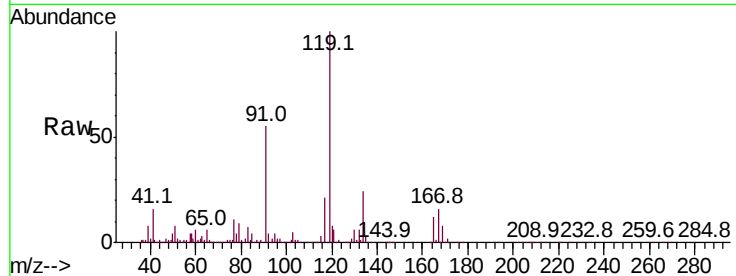
Acq: 29 May 2019 12:41

Instrument :

MSVOA_F

ClientSampled :

Tot Ion:119	Resp:	644612
Ion Ratio	Lower	Upper
119 100		
91 55.3	27.3	81.9
134 24.4	13.6	40.7



#84

1,2,4-Trimethylbenzene

Concen: 23.332 ug/l

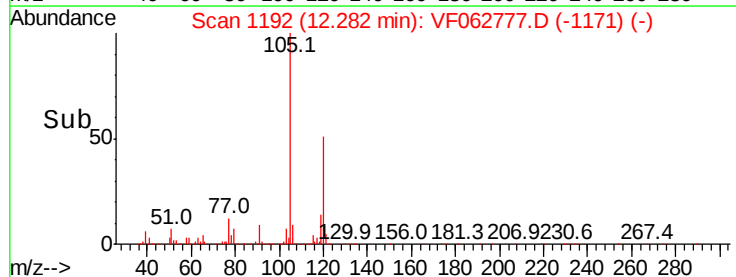
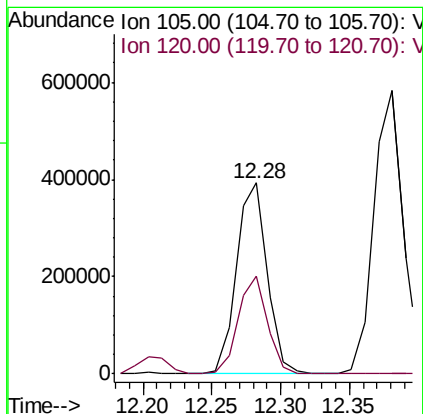
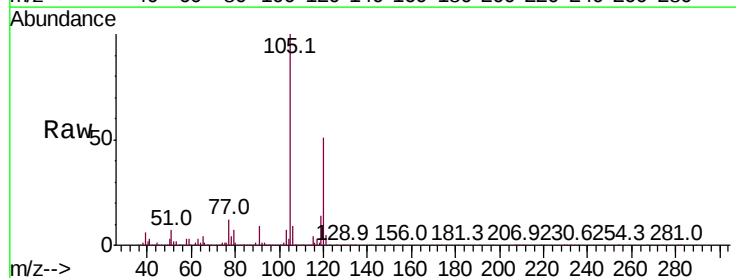
RT: 12.28 min Scan# 1192

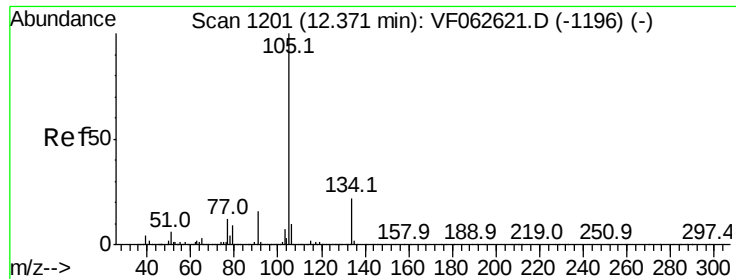
Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Tgt Ion:105	Resp:	608696
Ion Ratio	Lower	Upper
105 100		
120 51.3	26.7	80.1





#85

sec-Butylbenzene

Concen: 23.591 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Instrument :

MSVOA_F

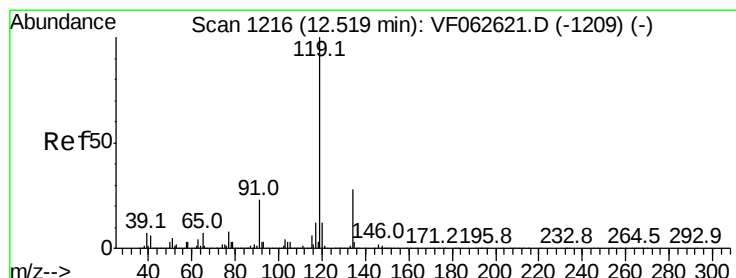
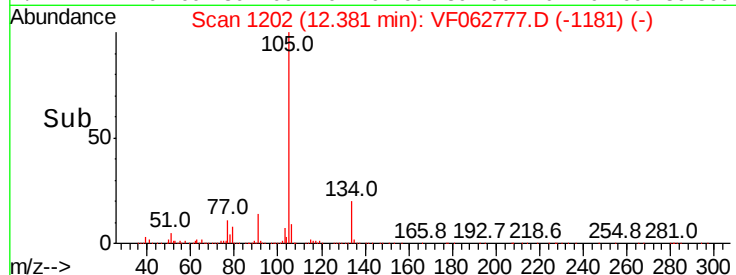
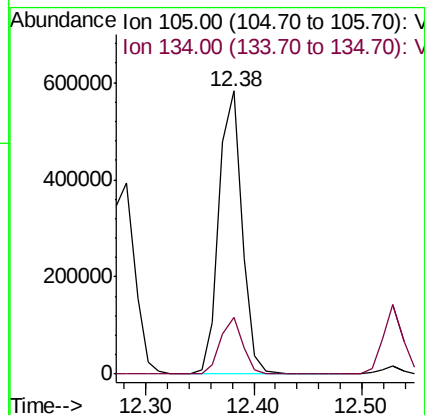
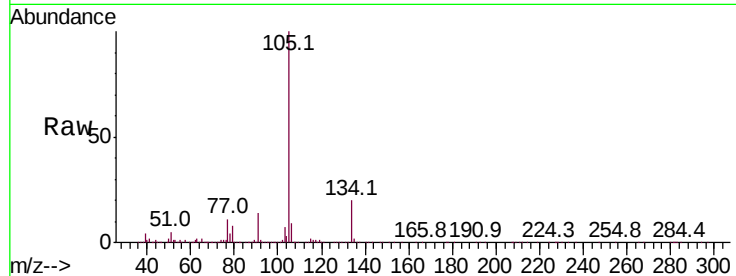
ClientSampleId :

Tot Ion:105 Resp: 865793

Ion Ratio Lower Upper

105 100

134 20.2 10.8 32.4



#86

p-Isopropyltoluene

Concen: 22.555 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

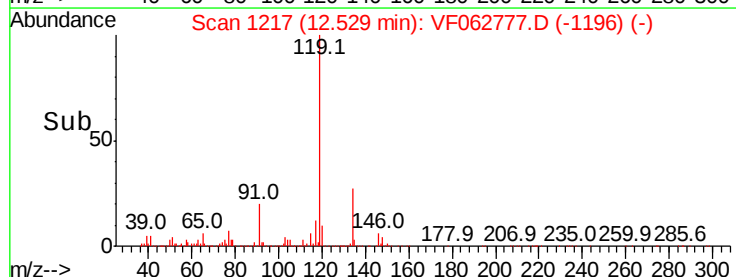
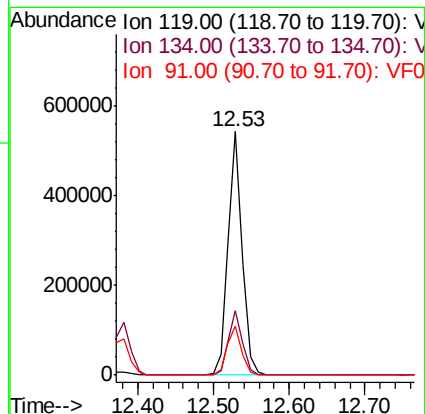
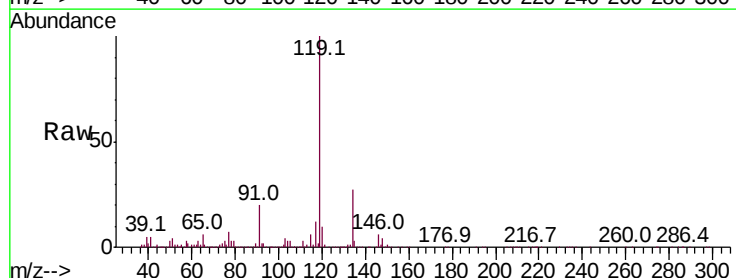
Tgt Ion:119 Resp: 697581

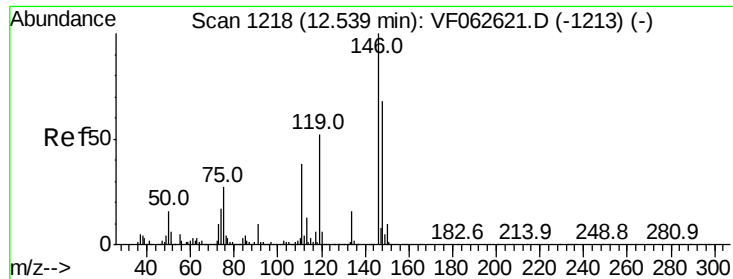
Ion Ratio Lower Upper

119 100

134 26.5 14.1 42.3

91 20.3 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 22.825 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.01 min

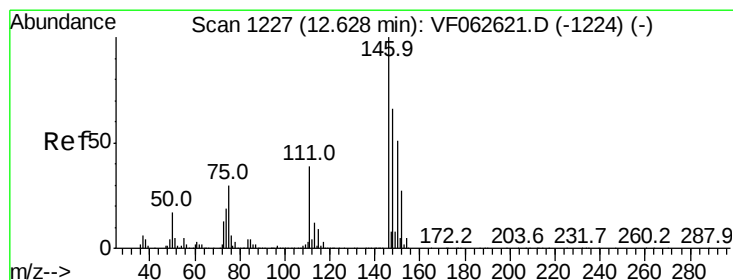
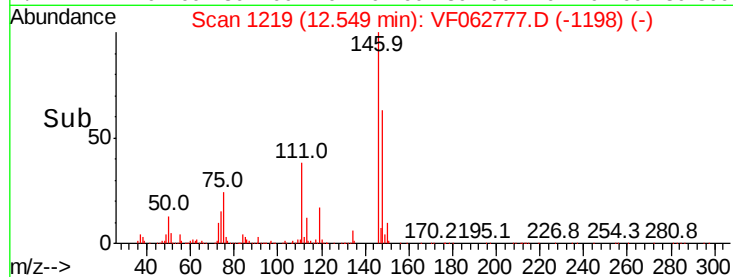
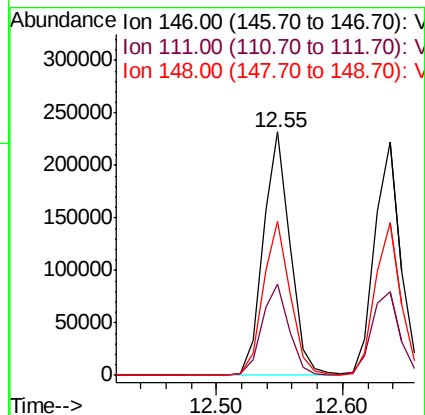
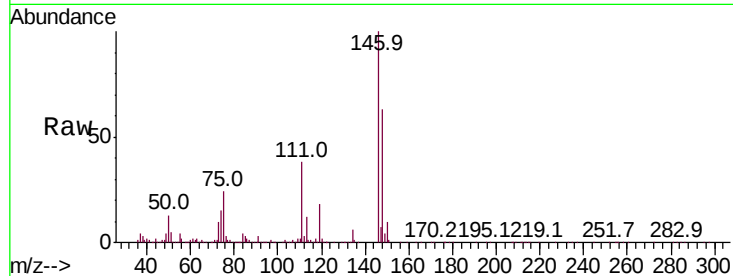
Lab File: VF062777.D

Acq: 29 May 2019 12:41

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:146 Resp: 345045

Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.9	56.9
148	63.5	34.0	101.8



#88

1,4-Dichlorobenzene

Concen: 23.039 ug/l

RT: 12.64 min Scan# 1228

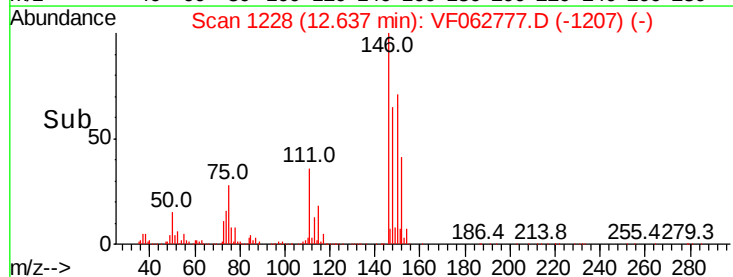
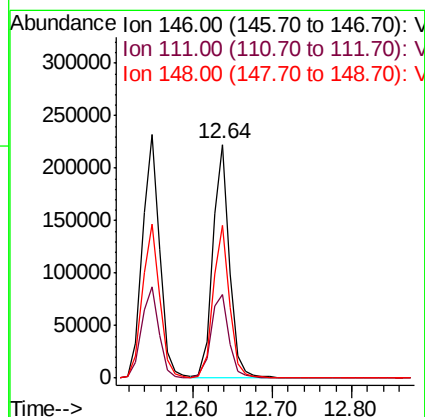
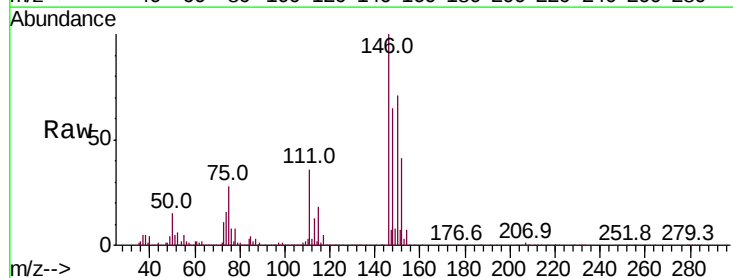
Delta R.T. 0.01 min

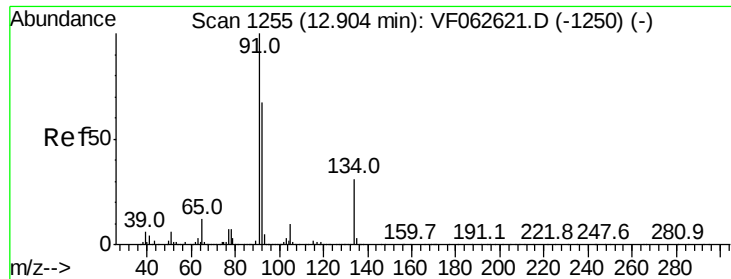
Lab File: VF062777.D

Acq: 29 May 2019 12:41

Tgt Ion:146 Resp: 326844

Ion	Ratio	Lower	Upper
146	100		
111	35.7	19.4	58.2
148	65.2	33.2	99.6





#89

n-Butylbenzene

Concen: 23.082 ug/l

RT: 12.90 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

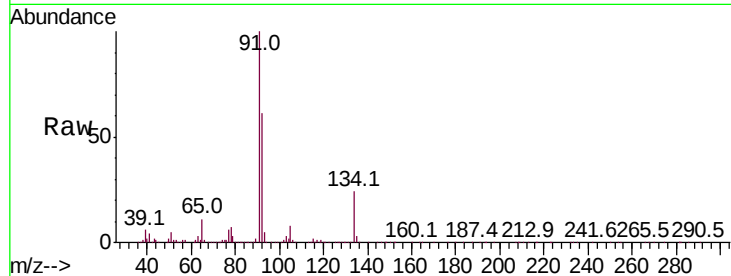
Tot Ion: 91 Resp: 703869

Ion Ratio Lower Upper

91 100

92 61.2 33.3 99.8

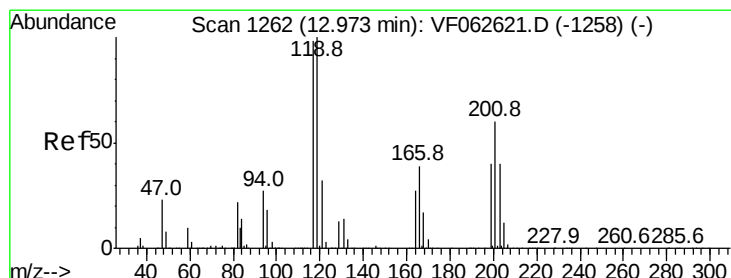
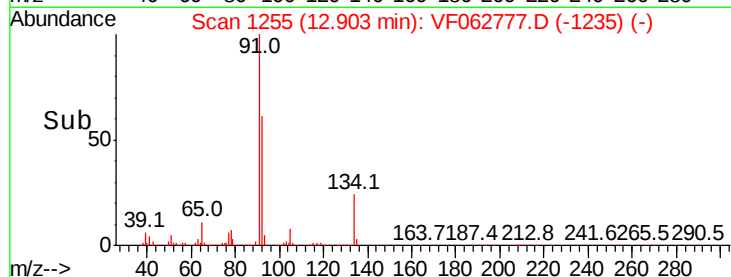
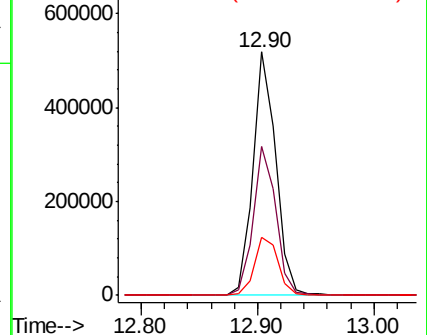
134 23.8 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 22.619 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VF062777.D

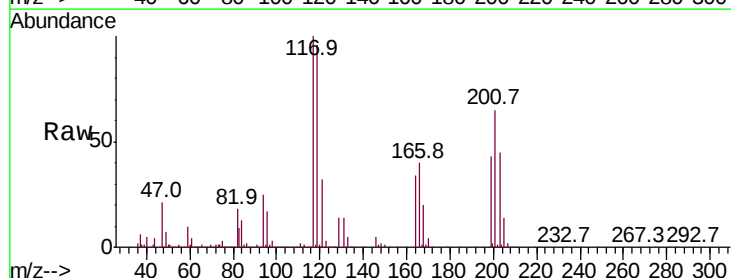
Acq: 29 May 2019 12:41

Tgt Ion: 117 Resp: 167822

Ion Ratio Lower Upper

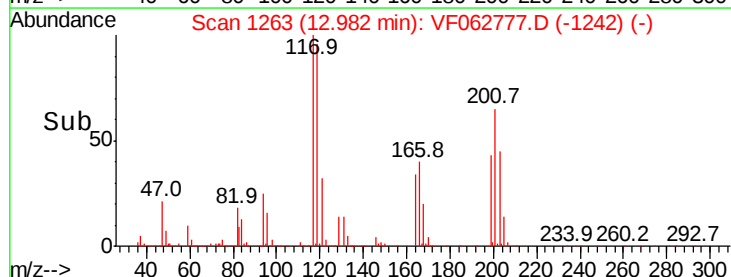
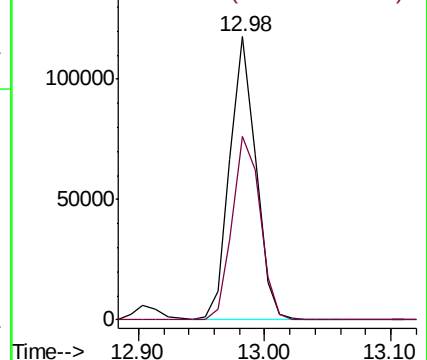
117 100

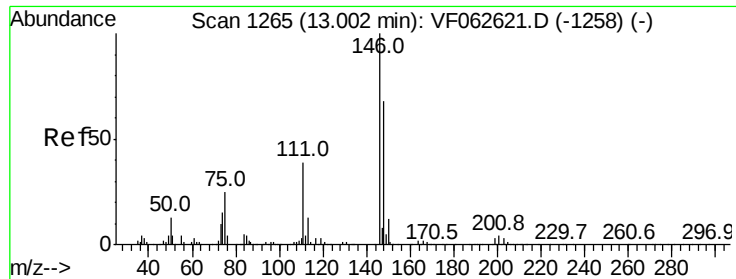
201 64.9 30.7 92.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 22.582 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VF062777.D

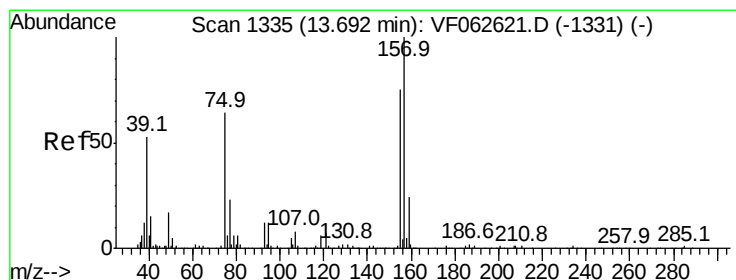
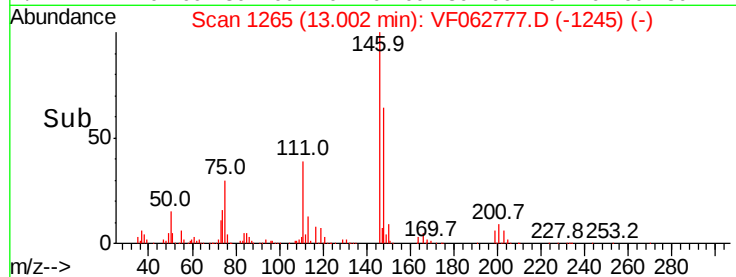
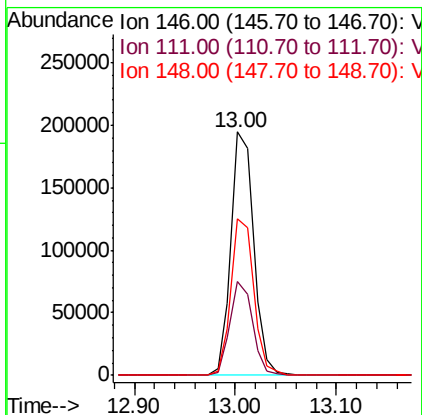
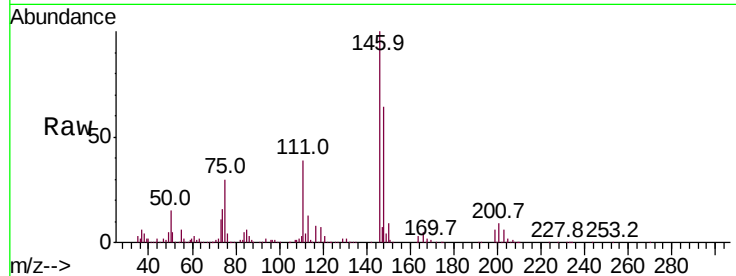
Acq: 29 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:	146	Resp:	304299
Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.8	59.3
148	64.2	34.1	102.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 24.180 ug/l

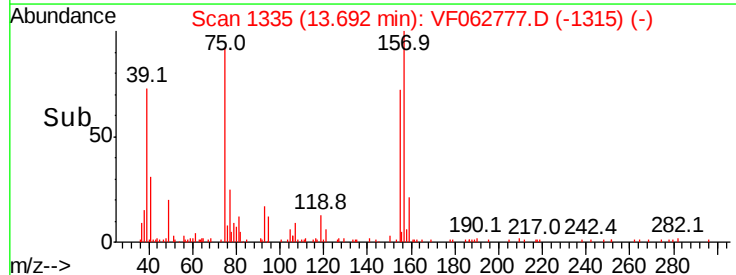
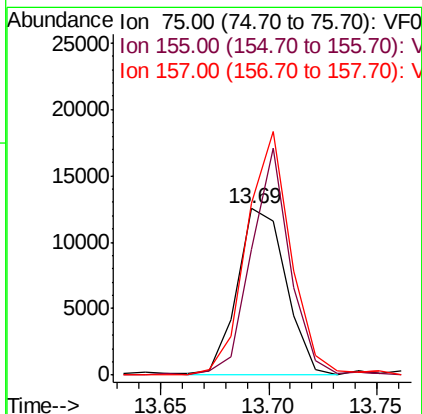
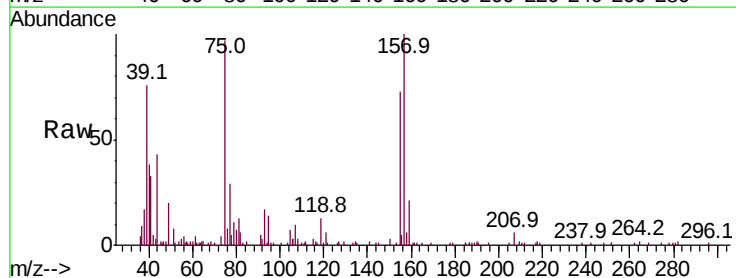
RT: 13.69 min Scan# 1335

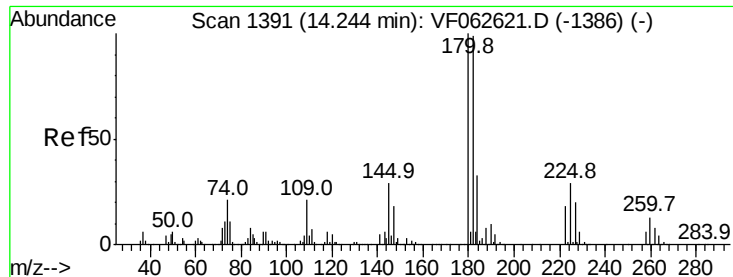
Delta R.T. -0.00 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Tgt Ion:	75	Resp:	19816
Ion	Ratio	Lower	Upper
75	100		
155	75.4	58.1	174.3
157	103.2	77.8	233.4

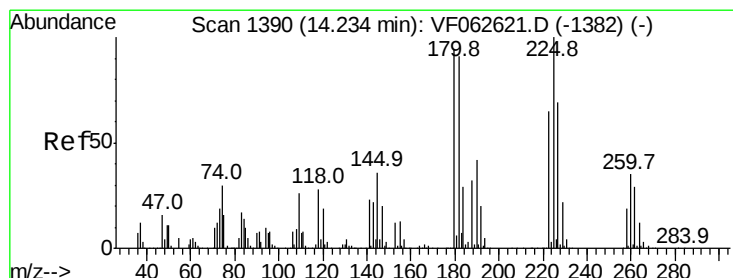
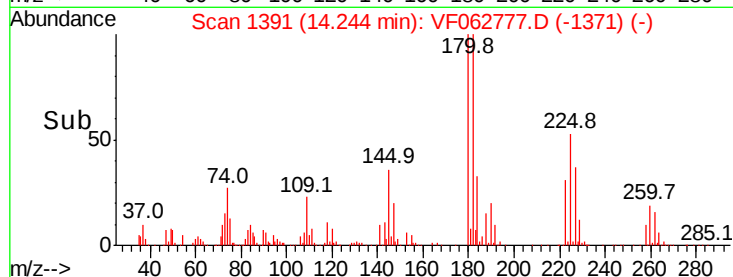
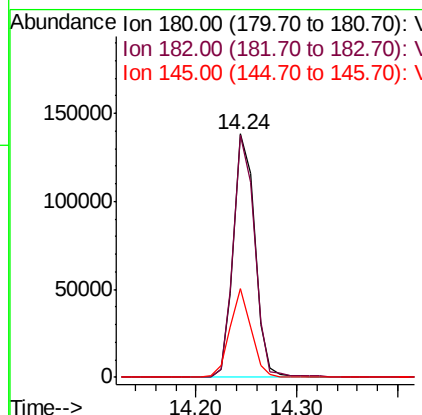
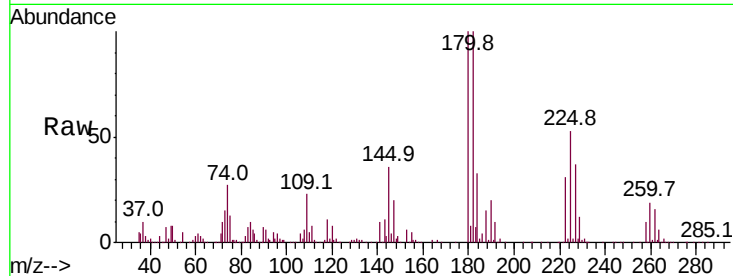




#93
 1,2,4-Trichlorobenzene
 Concen: 21.195 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VF062777.D
 Acq: 29 May 2019 12:41

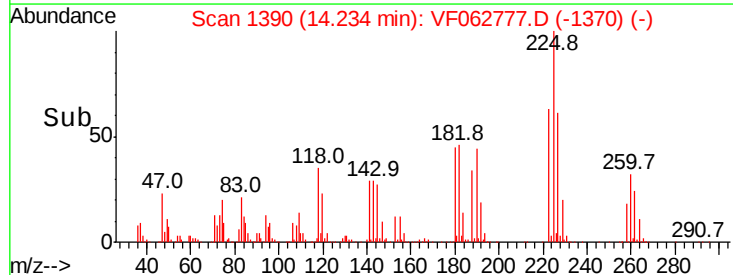
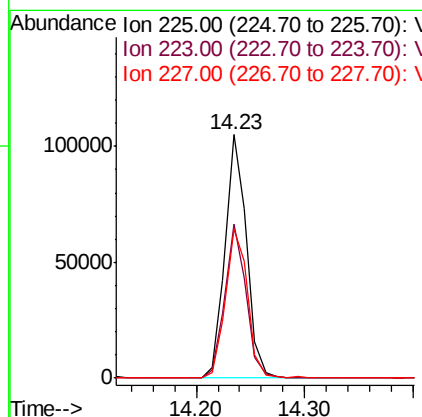
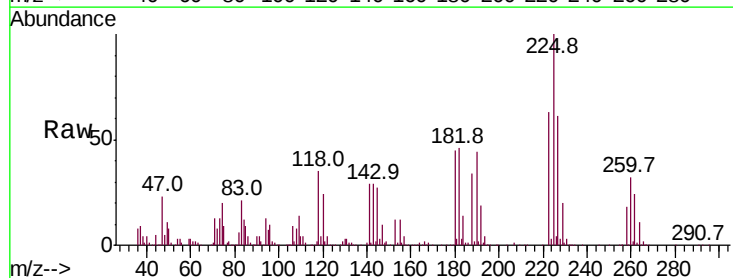
Instrument :
 MSVOA_F
 ClientSampleId :

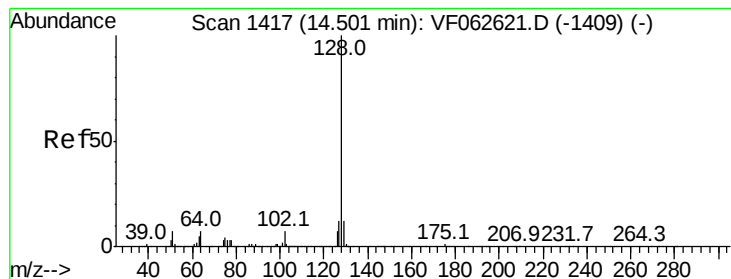
Tot Ion	Ratio	Lower	Upper
180	100		
182	99.6	49.7	149.1
145	36.4	14.6	44.0



#94
 Hexachlorobutadiene
 Concen: 21.576 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF062777.D
 Acq: 29 May 2019 12:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	32.5	97.4
227	61.3	34.5	103.5





#95

Naphthalene

Concen: 19.582 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

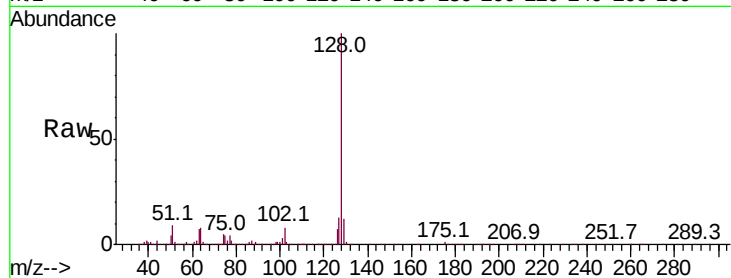
Tot Ion:128 Resp: 343138

Ion Ratio Lower Upper

128 100

127 13.1 9.7 14.5

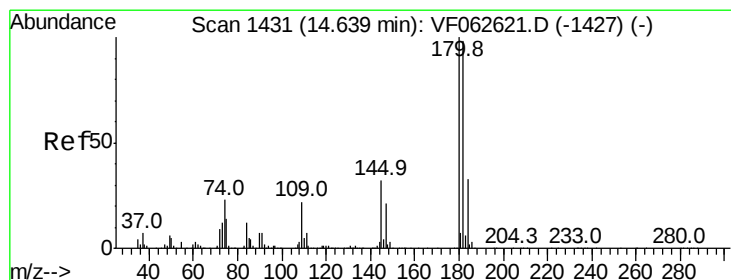
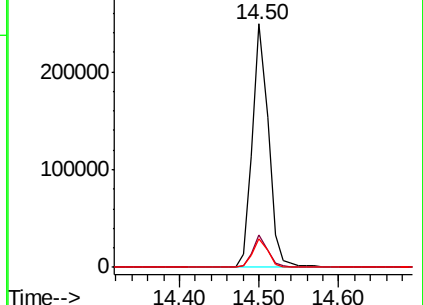
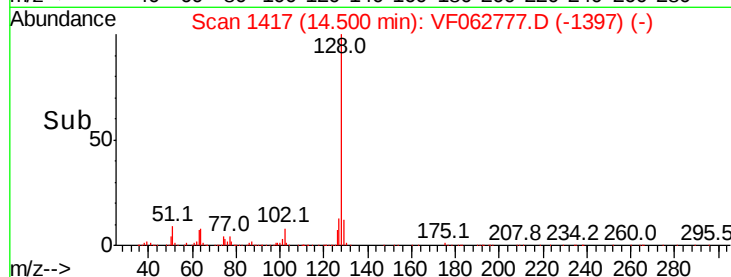
129 11.7 9.3 13.9



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.030 ug/l

RT: 14.65 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VF062777.D

Acq: 29 May 2019 12:41

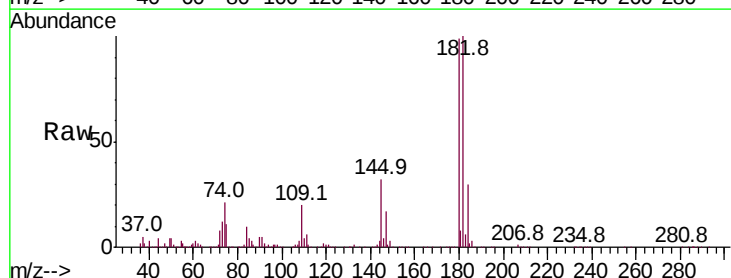
Tgt Ion:180 Resp: 192144

Ion Ratio Lower Upper

180 100

182 101.2 48.9 146.7

145 32.0 16.1 48.2



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

