

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF053019\
 Data File : VF062797.D
 Acq On : 30 May 2019 15:59
 Operator : FY/SY
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 31 03:21:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 03:15:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	925806	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1562686	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	1263713	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	589671	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	423912	63.45	ug/l	0.00
Spiked Amount			Recovery	=	126.90%	
35) Dibromofluoromethane	4.33	113	756640	62.32	ug/l	0.00
Spiked Amount			Recovery	=	124.64%	
50) Toluene-d8	7.73	98	1960445	62.22	ug/l	0.00
Spiked Amount			Recovery	=	124.44%	
62) 4-Bromofluorobenzene	11.51	95	761267	70.64	ug/l	0.00
Spiked Amount			Recovery	=	141.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.02	85	729645	54.722	ug/l	96
3) Chloromethane	1.16	50	606352	57.999	ug/l	100
4) Vinyl Chloride	1.21	62	619885	61.545	ug/l	98
5) Bromomethane	1.42	94	371392	62.756	ug/l	100
6) Chloroethane	1.46	64	246783	64.270	ug/l	90
7) Trichlorofluoromethane	1.58	101	916617	64.647	ug/l	92
8) Diethyl Ether	1.72	74	192582	67.299	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.93	101	583625	63.418	ug/l	99
10) Methyl Iodide	2.01	142	1177304	65.991	ug/l	96
11) Tert butyl alcohol	2.72	59	131026	319.814	ug/l	95
12) 1,1-Dichloroethene	1.89	96	517132	63.766	ug/l	95
13) Acrolein	2.11	56	56150	355.788	ug/l	96
14) Allyl chloride	2.21	41	382776	64.609	ug/l	93
15) Acrylonitrile	3.11	53	392180	257.619	ug/l	96
16) Acetone	2.36	43	521073	335.329	ug/l	96
17) Carbon Disulfide	1.94	76	1094971	61.602	ug/l	97
18) Methyl Acetate	2.48	43	161235	53.393	ug/l	99
19) Methyl tert-butyl Ether	2.57	73	977596	66.366	ug/l	100
20) Methylene Chloride	2.36	84	367958	40.216	ug/l	97
21) trans-1,2-Dichloroethene	2.44	96	552322	65.317	ug/l	99
22) Diisopropyl ether	2.96	45	1165899	66.970	ug/l	96
23) Vinyl Acetate	3.37	43	3888993	303.422	ug/l	98
24) 1,1-Dichloroethane	3.03	63	843930	63.944	ug/l	99
25) 2-Butanone	4.55	43	1129481	305.988	ug/l	99
26) 2,2-Dichloropropane	3.80	77	504945	64.717	ug/l	99
27) cis-1,2-Dichloroethene	3.67	96	910144	66.658	ug/l	94
28) Bromochloromethane	3.93	49	448549	59.865	ug/l	99
29) Tetrahydrofuran	4.29	42	443382	325.125	ug/l	97
30) Chloroform	4.08	83	1203515	62.351	ug/l	99
31) Cyclohexane	3.90	56	695413	37.909	ug/l	93
32) 1,1,1-Trichloroethane	4.32	97	813173	76.191	ug/l	97
36) 1,1-Dichloropropene	4.50	75	995419	65.338	ug/l	96
37) Ethyl Acetate	4.32	43	377006	61.404	ug/l #	82
38) Carbon Tetrachloride	4.20	117	728879	71.488	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	1303582	70.181	ug/l	97
40) Benzene	4.84	78	2842427	63.239	ug/l	98
41) Methacrylonitrile	4.96	41	206641	61.967	ug/l	94
42) 1,2-Dichloroethane	5.15	62	573957	68.708	ug/l	96
43) Isopropyl Acetate	7.13	43	533319	70.084	ug/l #	100
44) Trichloroethene	5.71	130	823370	65.387	ug/l	97
45) 1,2-Dichloropropane	6.43	63	738879	66.763	ug/l	95
46) Dibromomethane	6.28	93	503036	78.189	ug/l	94
47) Bromodichloromethane	6.58	83	1001639	76.422	ug/l	98
48) Methyl methacrylate	6.91	41	285231	73.529	ug/l	93
49) 1,4-Dioxane	6.90	88	73901	1579.525	ug/l #	92
51) 4-Methyl-2-Pentanone	8.42	43	1731244	295.777	ug/l	97
52) Toluene	7.80	92	1594278	67.771	ug/l	94
53) t-1,3-Dichloropropene	8.44	75	756212	69.698	ug/l	99
54) cis-1,3-Dichloropropene	7.48	75	1083739	69.011	ug/l	100
55) 1,1,2-Trichloroethane	8.66	97	492715	68.421	ug/l	98
56) Ethyl methacrylate	8.78	69	545129	73.795	ug/l	99
57) 1,3-Dichloropropane	9.01	76	800571	68.330	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.47	63	885894	338.631	ug/l	97
59) 2-Hexanone	9.65	43	1284037	313.540	ug/l	95
60) Dibromochloromethane	8.88	129	636378	73.259	ug/l	99
61) 1,2-Dibromoethane	9.15	107	522862	73.521	ug/l	99
64) Tetrachloroethene	8.32	164	641198	60.810	ug/l	93
65) Chlorobenzene	9.95	112	1671144	65.215	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.08	131	673285	67.262	ug/l	99
67) Ethyl Benzene	10.05	91	2837649	63.531	ug/l	96
68) m/p-Xylenes	10.28	106	2205089	132.323	ug/l	95
69) o-Xylene	10.84	106	1176622	69.655	ug/l	93
70) Styrene	10.91	104	1733851	69.809	ug/l	99
71) Bromoform	10.90	173	361296	74.237	ug/l	98
73) Isopropylbenzene	11.23	105	2783846	62.404	ug/l	97
74) N-amyl acetate	11.46	43	807420	63.799	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	605329	62.798	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	402085	64.856	ug/l	94
77) Bromobenzene	11.60	156	759718	69.538	ug/l	96
78) n-propylbenzene	11.69	91	3347417	60.463	ug/l	96
79) 2-Chlorotoluene	11.81	91	1984264	65.431	ug/l	91
80) 1,3,5-Trimethylbenzene	11.91	105	2239666	61.583	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.95	75	239453	73.960	ug/l	100
82) 4-Chlorotoluene	11.98	91	1949224	64.855	ug/l	100
83) tert-Butylbenzene	12.21	119	2287368	64.752	ug/l	100
84) 1,2,4-Trimethylbenzene	12.28	105	2095327	60.360	ug/l	97
85) sec-Butylbenzene	12.38	105	2945131	61.014	ug/l	98
86) p-Isopropyltoluene	12.53	119	2411360	60.724	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	1210348	61.701	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	1136380	62.136	ug/l	95
89) n-Butylbenzene	12.91	91	2347328	57.345	ug/l	97
90) Hexachloroethane	12.99	117	636446	67.501	ug/l	96
91) 1,2-Dichlorobenzene	13.01	146	1098744	63.794	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.70	75	69100	67.346	ug/l	95

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Quant Title : SW846 8260
QLast Update : Fri May 31 03:15:01 2019
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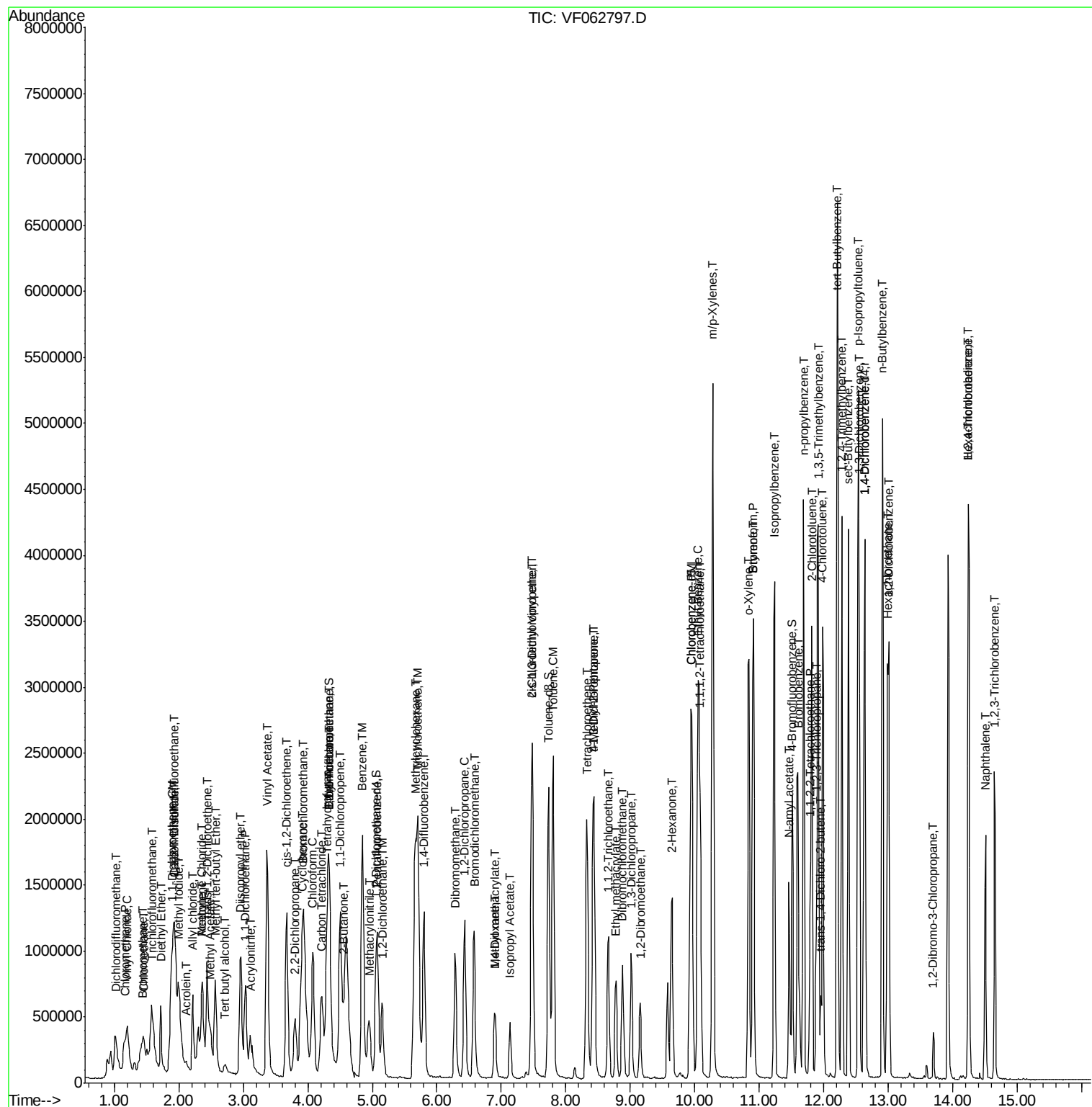
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	727042	62.199	ug/l	99
94) Hexachlorobutadiene	14.24	225	510375	63.547	ug/l	98
95) Naphthalene	14.51	128	1344621	72.426	ug/l	100
96) 1,2,3-Trichlorobenzene	14.65	180	702461	67.887	ug/l	96

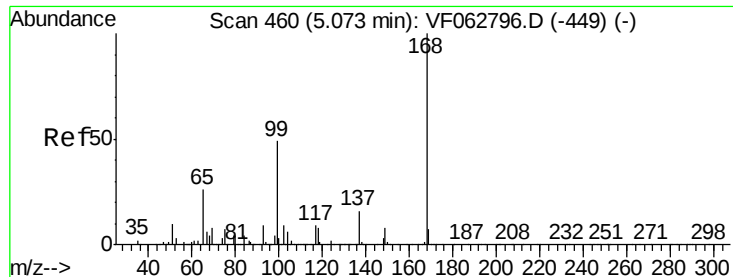
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri May 31 03:15:01 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. 0.01 min

Lab File: VF062797.D

Acq: 30 May 2019 15:59

Instrument :

MSVOA_F

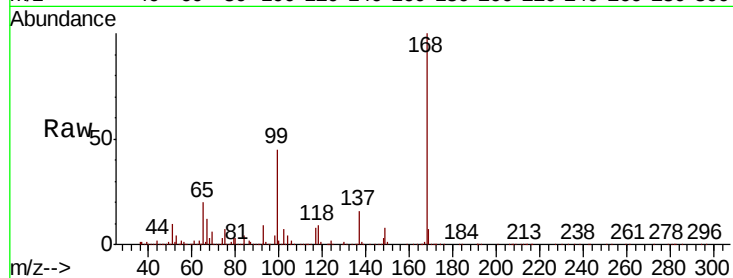
ClientSampleId :

Tot Ion:168 Resp: 925806

Ion Ratio Lower Upper

168 100

99 45.1 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.08

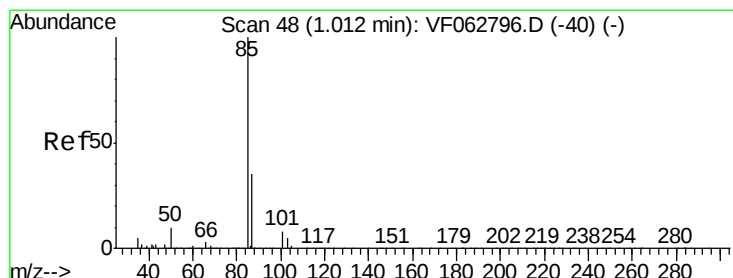
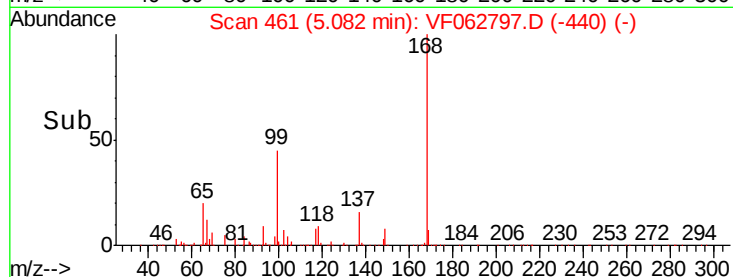
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 54.722 ug/l

RT: 1.02 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF062797.D

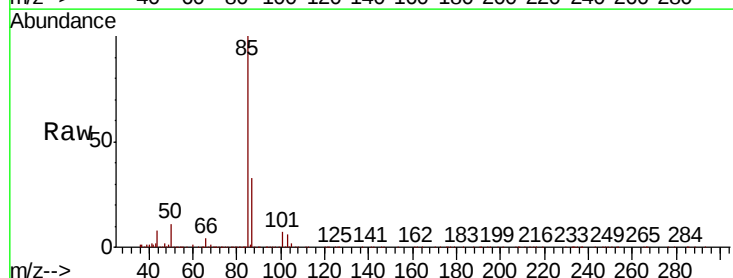
Acq: 30 May 2019 15:59

Tgt Ion: 85 Resp: 729645

Ion Ratio Lower Upper

85 100

87 32.8 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.02

200000

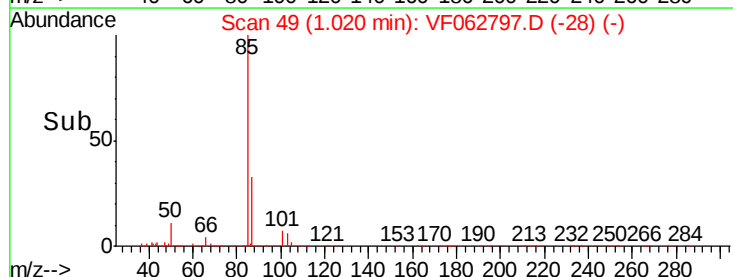
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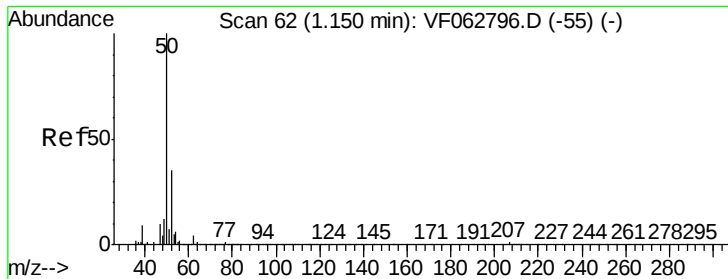
100000

50000

0

Time-->





#3

Chloromethane

Concen: 57.999 ug/l

RT: 1.16 min Scan# 63

Delta R.T. 0.01 min

Lab File: VF062797.D

Acq: 30 May 2019 15:59

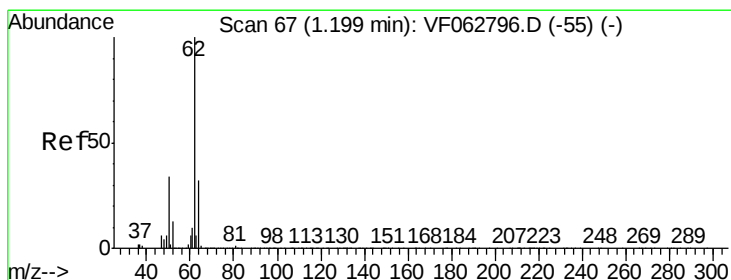
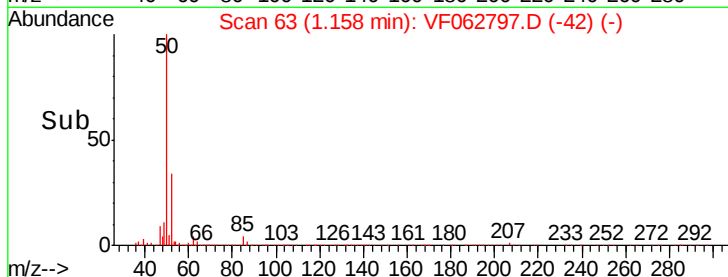
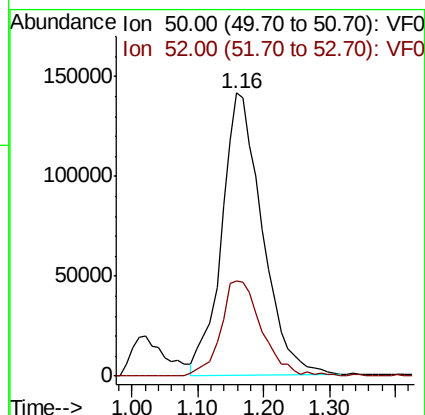
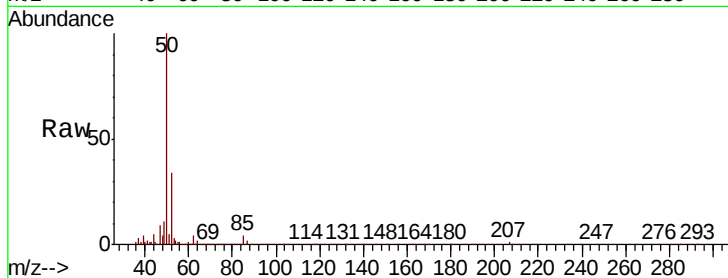
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 606352

Ion Ratio Lower Upper

50 100

52 33.8 27.0 40.4



#4

Vinyl Chloride

Concen: 61.545 ug/l

RT: 1.21 min Scan# 68

Delta R.T. 0.01 min

Lab File: VF062797.D

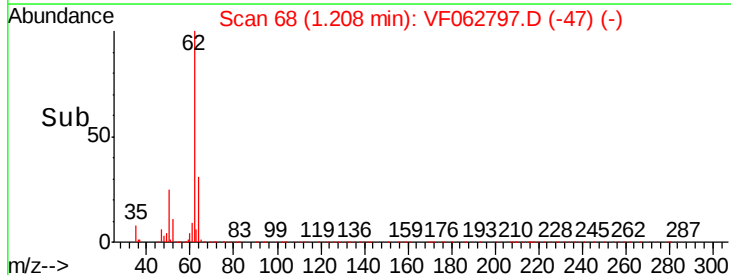
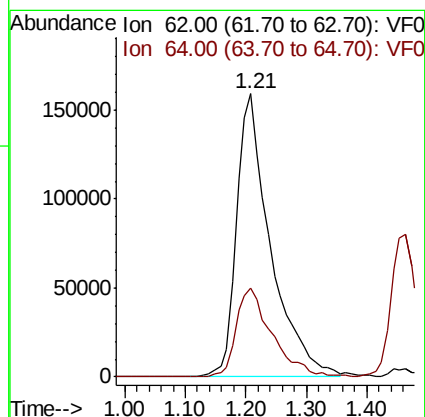
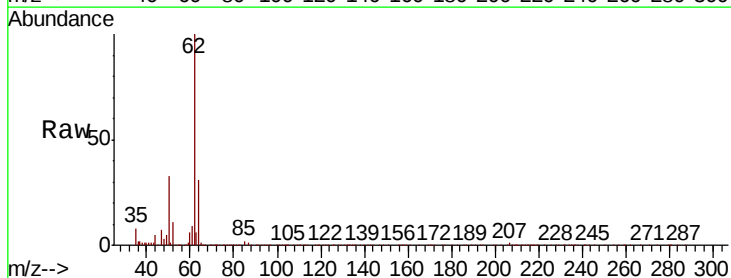
Acq: 30 May 2019 15:59

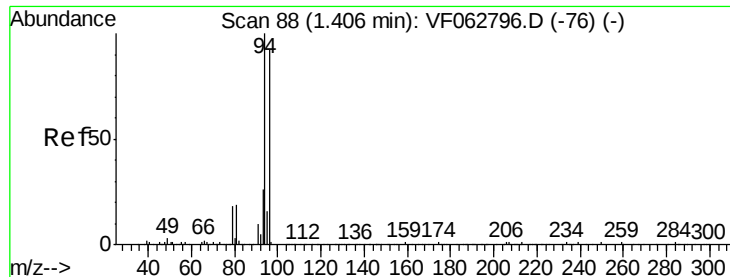
Tgt Ion: 62 Resp: 619885

Ion Ratio Lower Upper

62 100

64 31.5 26.2 39.2





#5

Bromomethane

Concen: 62.756 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.02 min

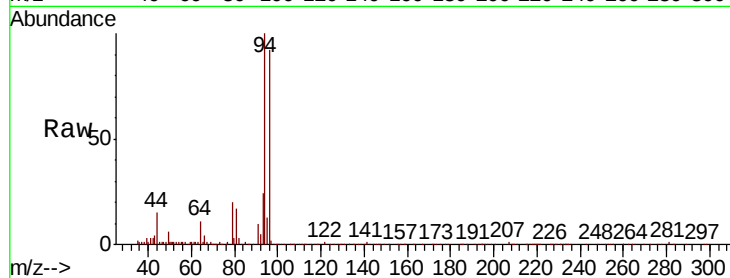
Lab File: VF062797.D

Acq: 30 May 2019 15:59

Instrument :
MSVOA_F
ClientSampleId :

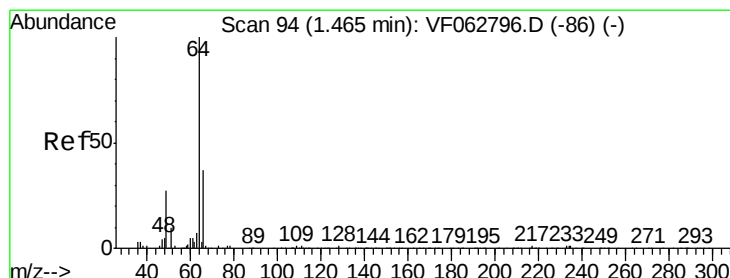
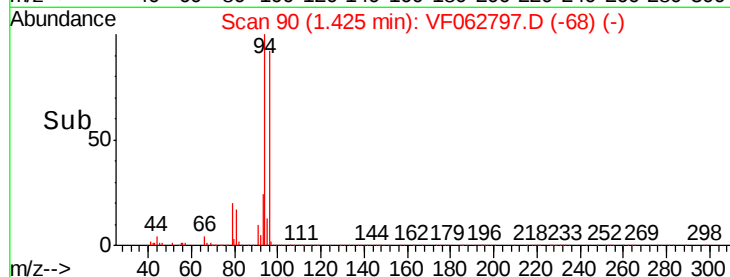
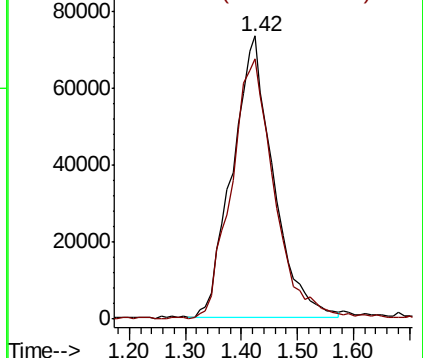
Tot Ion: 94 Resp: 371392

Ion	Ratio	Lower	Upper
94	100		
96	92.0	73.8	110.6



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 64.270 ug/l

RT: 1.46 min Scan# 94

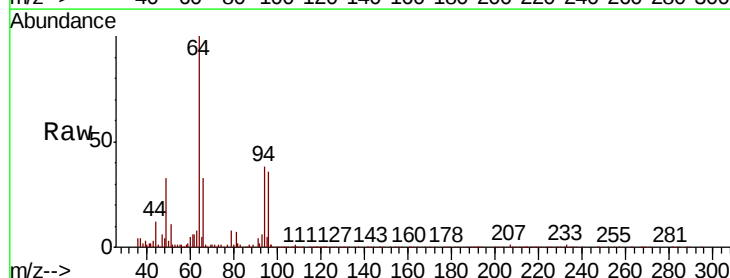
Delta R.T. -0.00 min

Lab File: VF062797.D

Acq: 30 May 2019 15:59

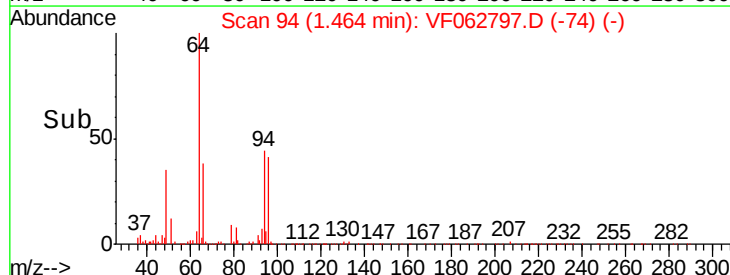
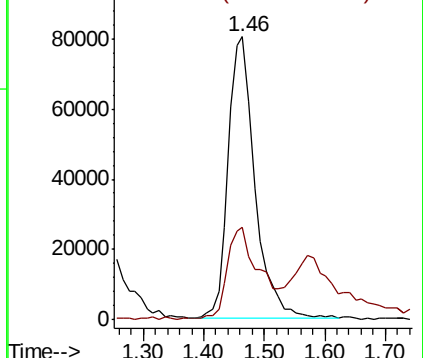
Tgt Ion: 64 Resp: 246783

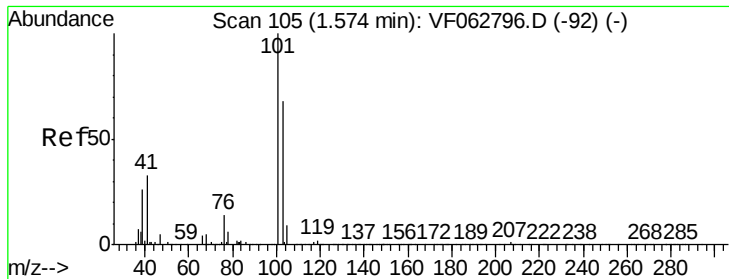
Ion	Ratio	Lower	Upper
64	100		
66	32.8	31.0	46.4



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



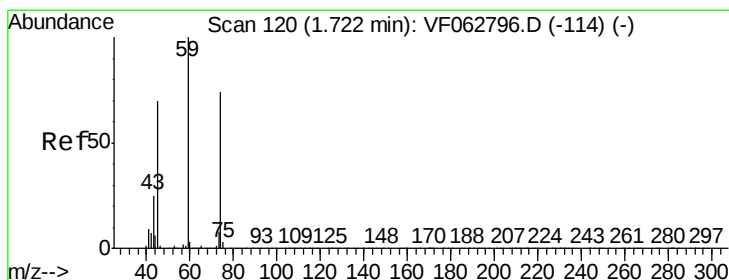
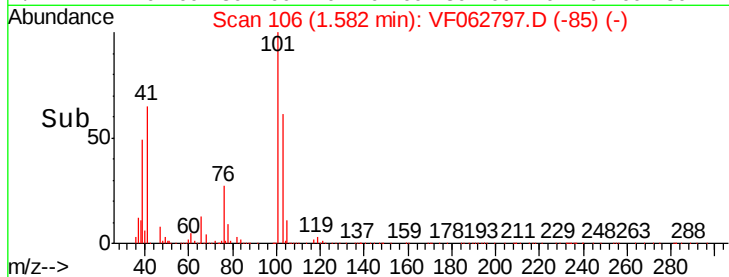
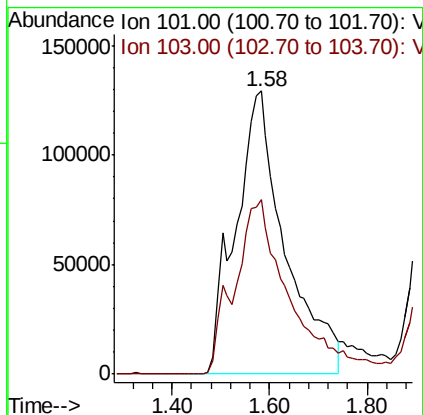
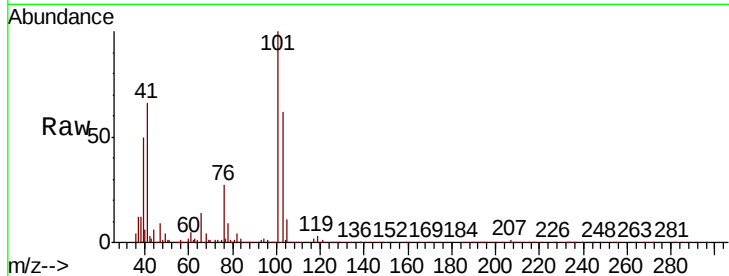


#7

Trichlorofluoromethane
Concen: 64.647 ug/l
RT: 1.58 min Scan# 106
Delta R.T. 0.01 min
Lab File: VF062797.D
Acq: 30 May 2019 15:59

Instrument :
MSVOA_F
ClientSampleId :

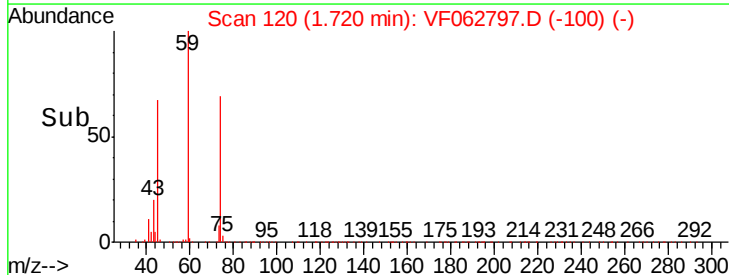
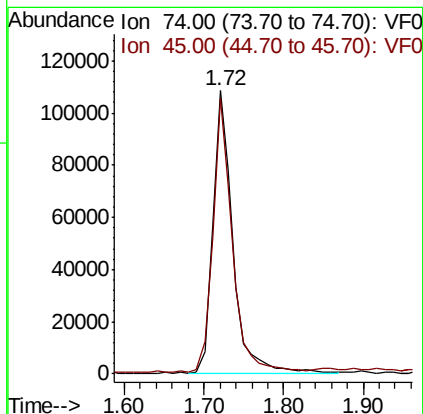
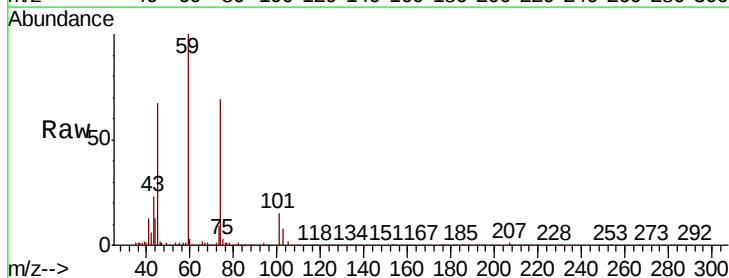
Tot Ion:101 Resp: 916617
Ion Ratio Lower Upper
101 100
103 61.6 54.6 82.0

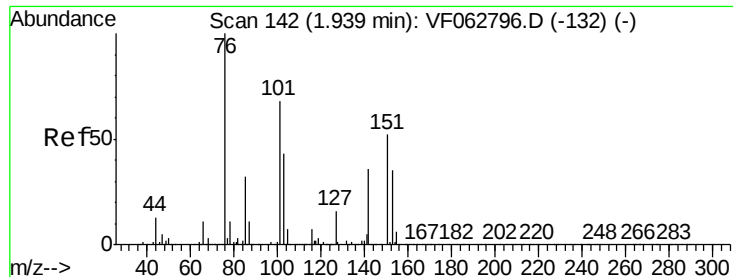


#8

Diethyl Ether
Concen: 67.299 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.00 min
Lab File: VF062797.D
Acq: 30 May 2019 15:59

Tgt Ion: 74 Resp: 192582
Ion Ratio Lower Upper
74 100
45 97.6 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 63.418 ug/l

RT: 1.93 min Scan# 141

Delta R.T. -0.01 min

Lab File: VF062797.D

Acq: 30 May 2019 15:59

Instrument :

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ClientSampleId :

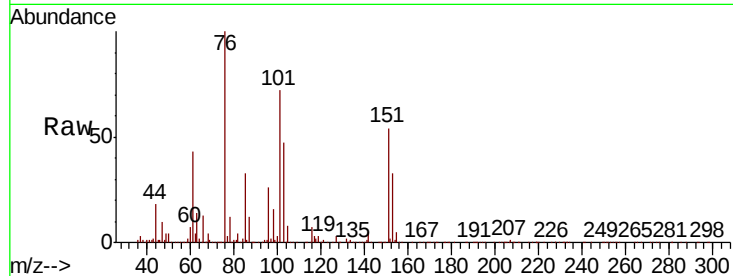
Tot Ion:101 Resp: 583625

Ion Ratio Lower Upper

101 100

85 45.2 37.1 55.7

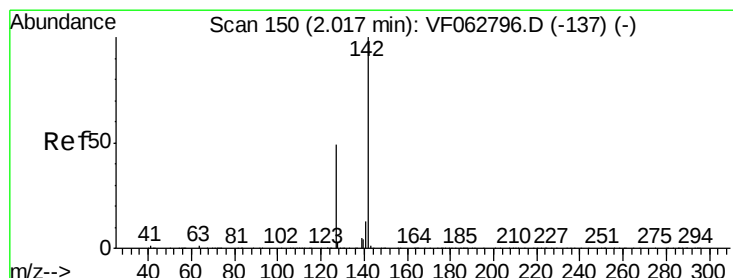
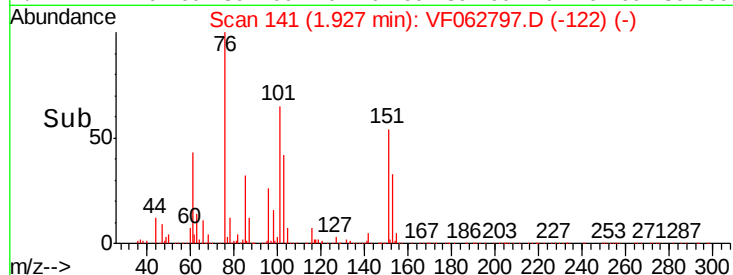
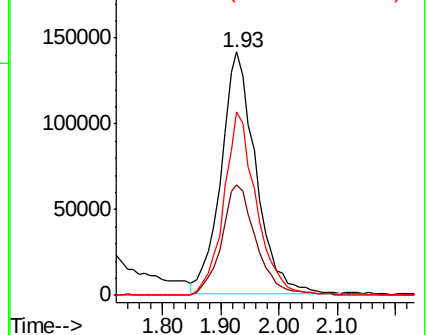
151 75.1 60.3 90.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 65.991 ug/l

RT: 2.01 min Scan# 149

Delta R.T. -0.01 min

Lab File: VF062797.D

Acq: 30 May 2019 15:59

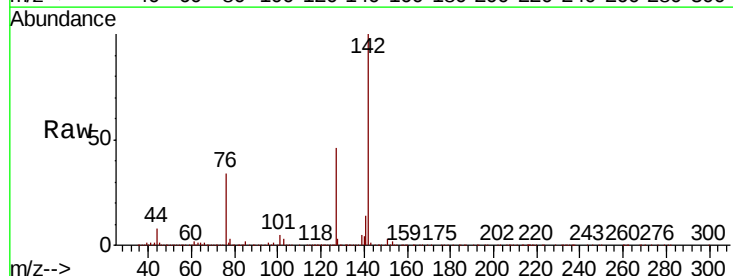
Tgt Ion:142 Resp: 1177304

Ion Ratio Lower Upper

142 100

127 46.0 39.4 59.2

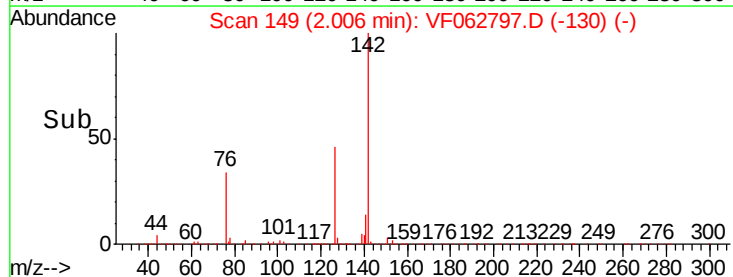
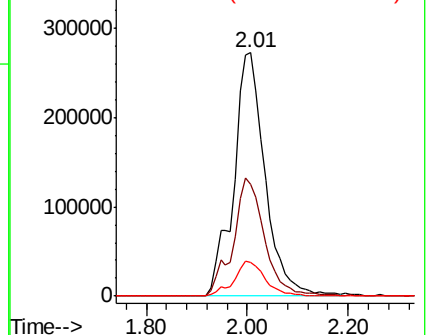
141 13.9 10.6 15.8

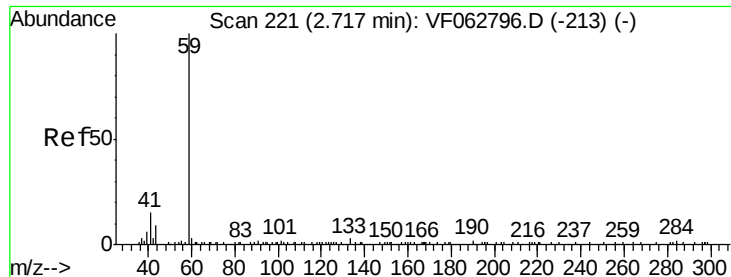


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



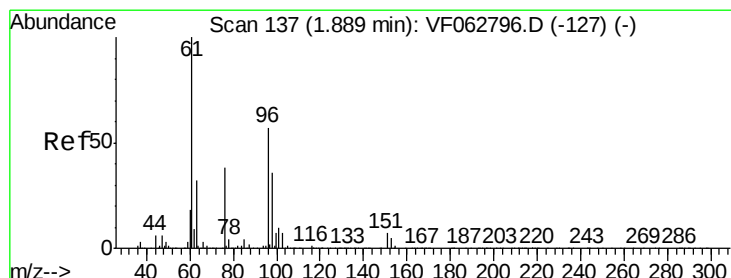
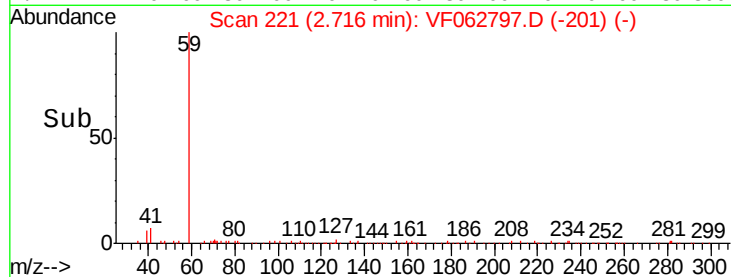
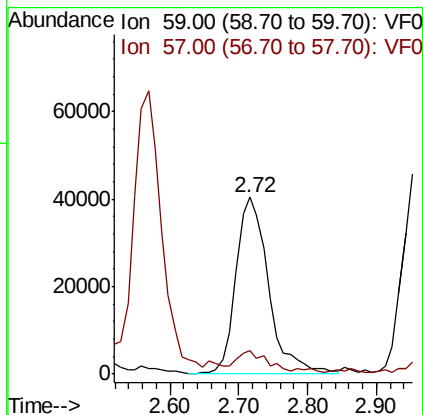
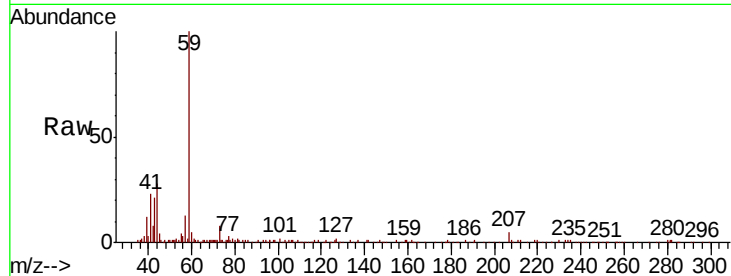


#11

Tert butyl alcohol
Concen: 319.814 ug/l
RT: 2.72 min Scan# 221
Delta R.T. -0.00 min
Lab File: VF062797.D
Acq: 30 May 2019 15:59

Instrument :
MSVOA_F
ClientSampleId :

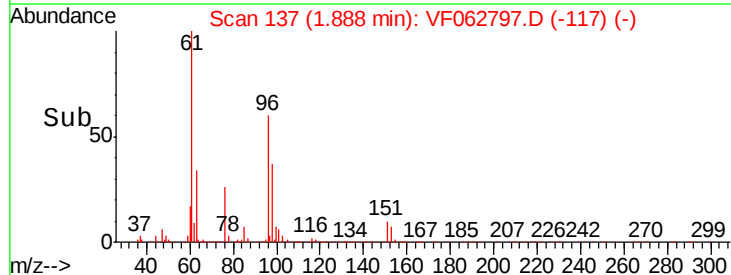
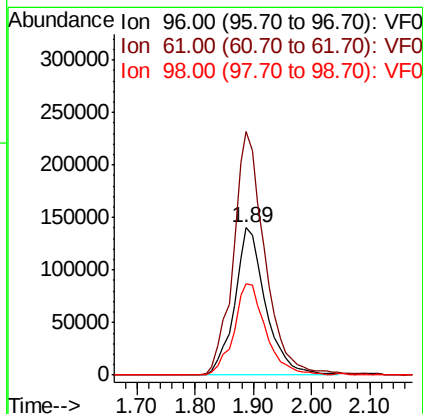
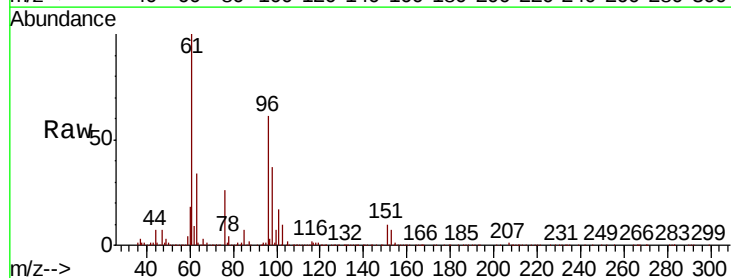
Tot Ion: 59 Resp: 131026
Ion Ratio Lower Upper
59 100
57 13.4 9.2 13.8

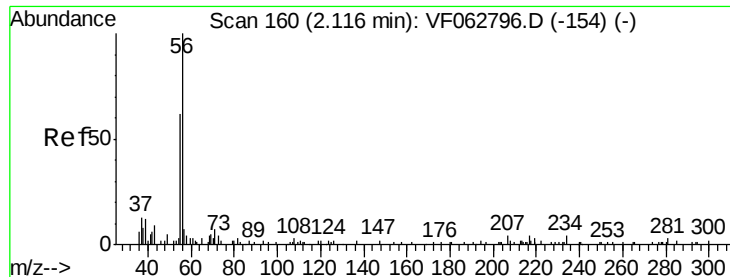


#12

1,1-Dichloroethene
Concen: 63.766 ug/l
RT: 1.89 min Scan# 137
Delta R.T. -0.00 min
Lab File: VF062797.D
Acq: 30 May 2019 15:59

Tgt Ion: 96 Resp: 517132
Ion Ratio Lower Upper
96 100
61 165.1 139.4 209.2
98 61.8 50.3 75.5

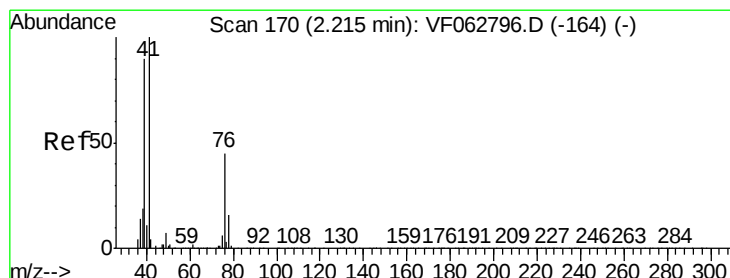
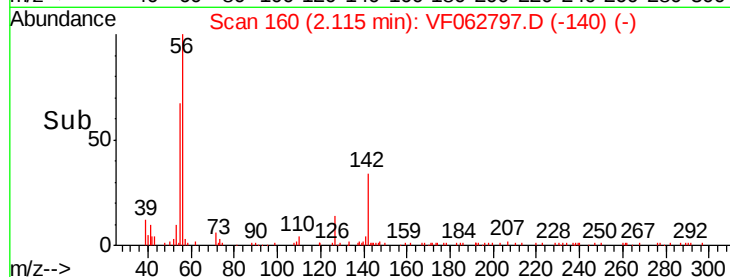
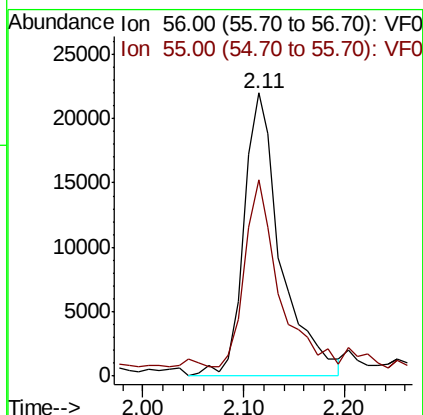
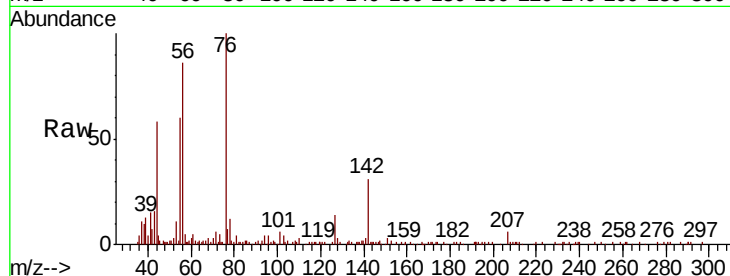




#13
Acrolein
Concen: 355.788 ug/l
RT: 2.11 min Scan# 160
Delta R.T. -0.00 min
Lab File: VF062797.D
Acq: 30 May 2019 15:59

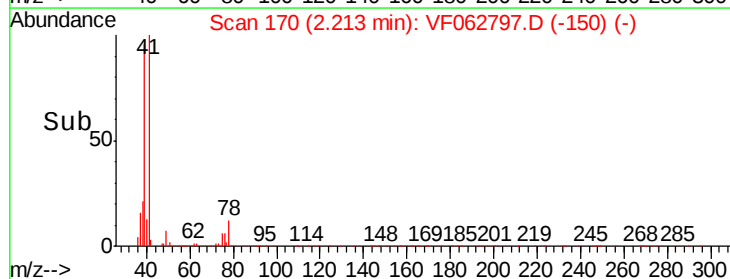
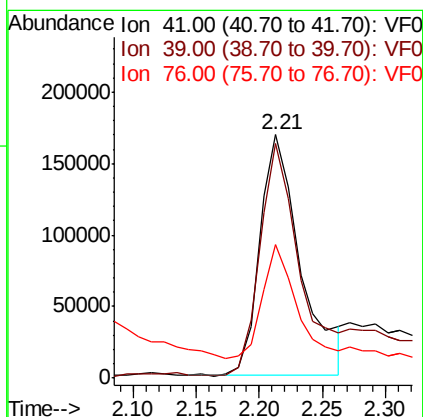
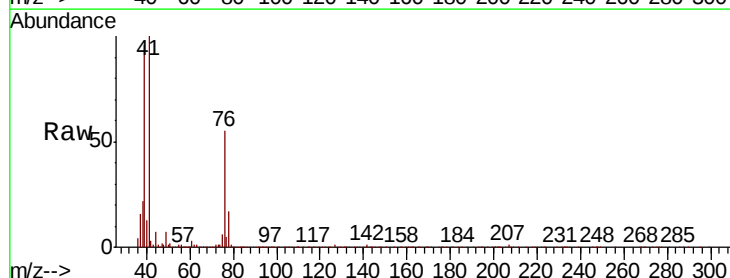
Instrument :
MSVOA_F
ClientSampleId :

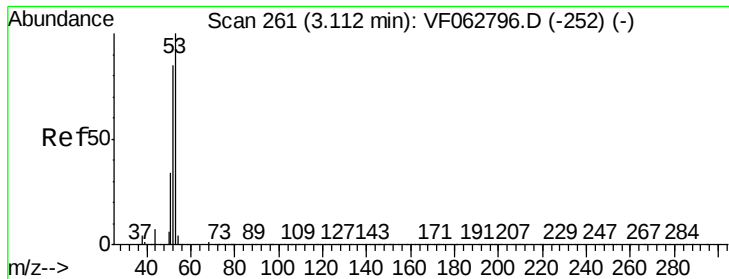
Tot Ion: 56 Resp: 56150
Ion Ratio Lower Upper
56 100
55 69.5 52.9 79.3



#14
Allyl chloride
Concen: 64.609 ug/l
RT: 2.21 min Scan# 170
Delta R.T. -0.00 min
Lab File: VF062797.D
Acq: 30 May 2019 15:59

Tgt Ion: 41 Resp: 382776
Ion Ratio Lower Upper
41 100
39 96.2 71.9 107.9
76 54.8 39.6 59.4

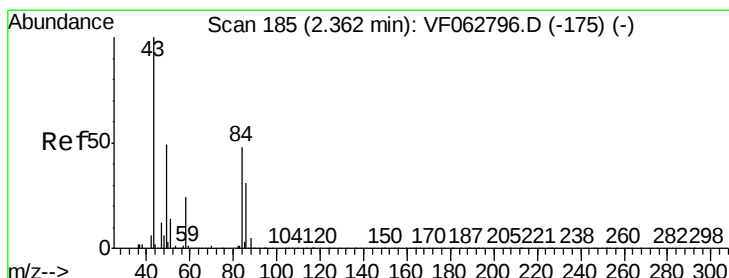
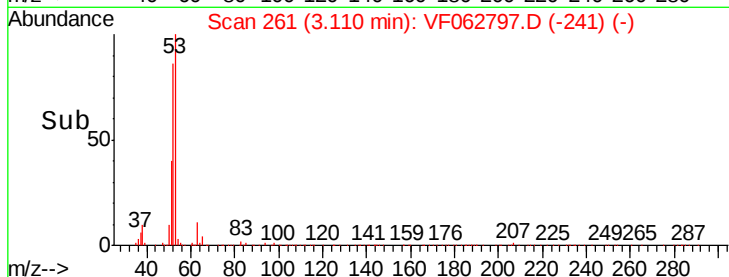
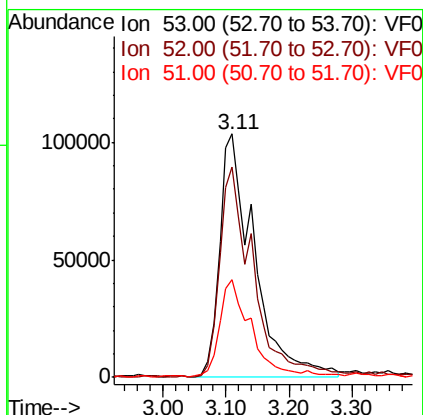
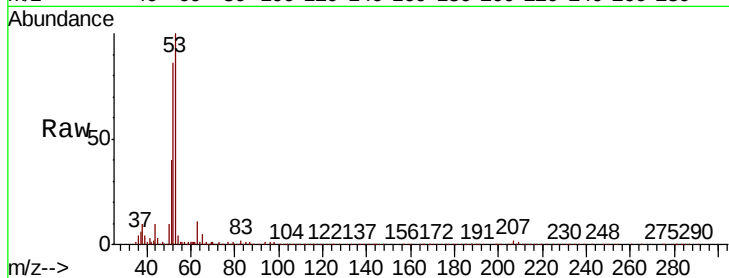




#15
 Acrylonitrile
 Concen: 257.619 ug/l
 RT: 3.11 min Scan# 261
 Delta R.T. -0.00 min
 Lab File: VF062797.D
 Acq: 30 May 2019 15:59

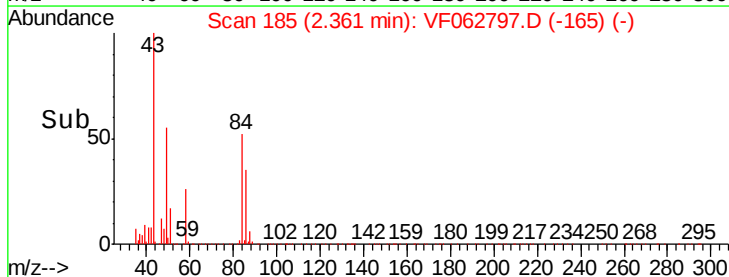
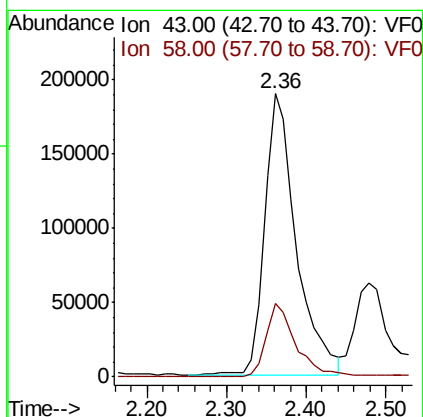
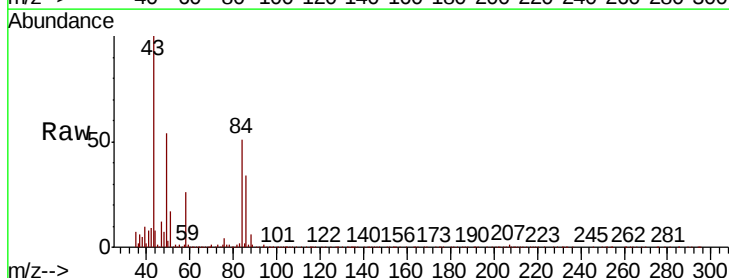
Instrument :
 MSVOA_F
 ClientSampleId :

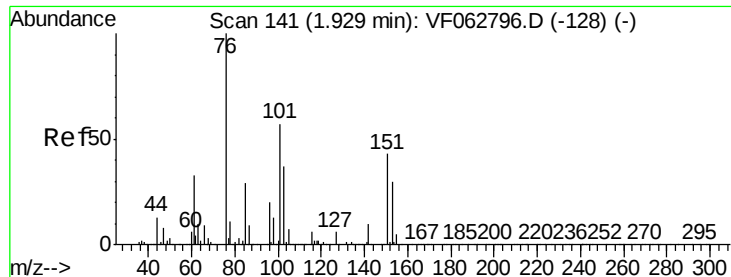
Tot Ion	53	Resp	392180
Ion Ratio	Lower	Upper	
53	100		
52	86.4	68.1	102.1
51	40.3	27.7	41.5



#16
 Acetone
 Concen: 335.329 ug/l
 RT: 2.36 min Scan# 185
 Delta R.T. -0.00 min
 Lab File: VF062797.D
 Acq: 30 May 2019 15:59

Tgt Ion	43	Resp	521073
Ion Ratio	Lower	Upper	
43	100		
58	25.9	19.0	28.4

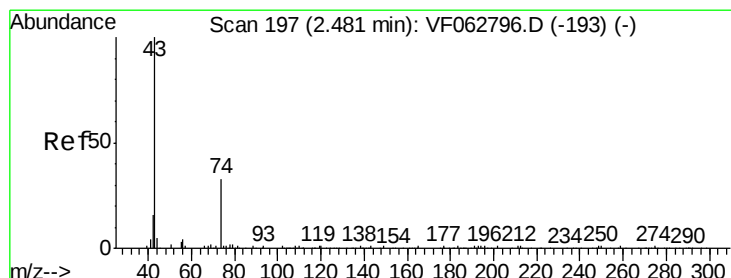
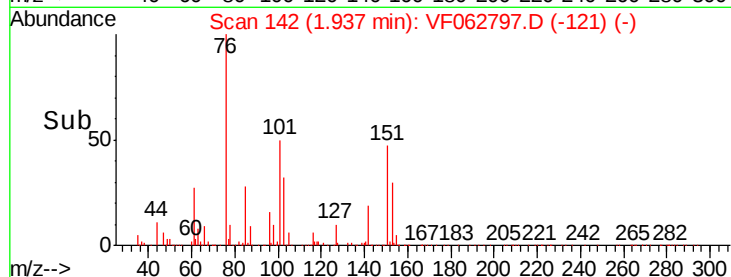
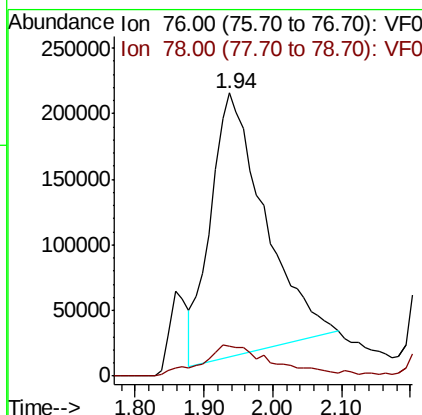
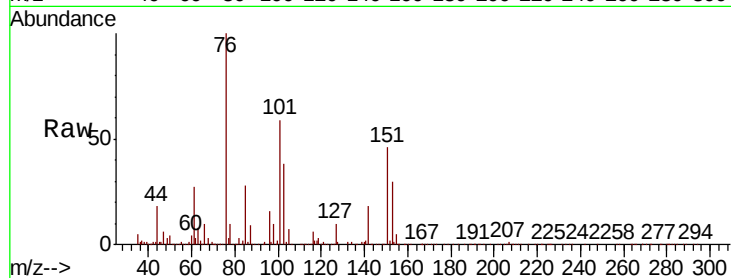




#17
Carbon Disulfide
Concen: 61.602 ug/l
RT: 1.94 min Scan# 142
Delta R.T. 0.01 min
Lab File: VF062797.D
Acq: 30 May 2019 15:59

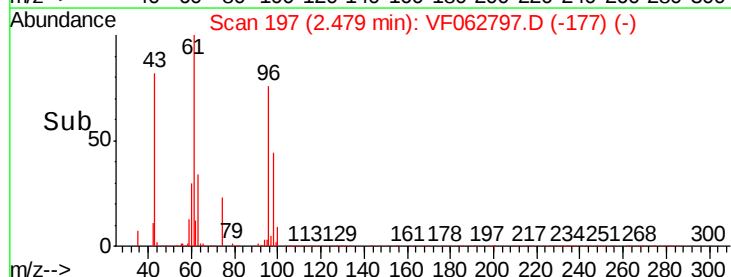
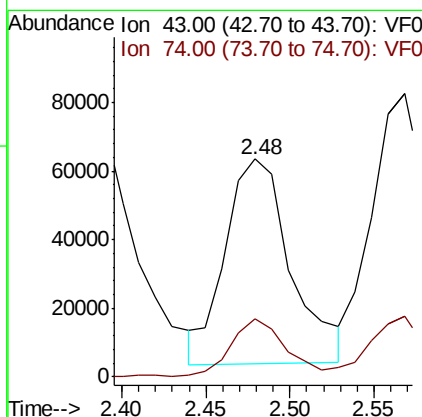
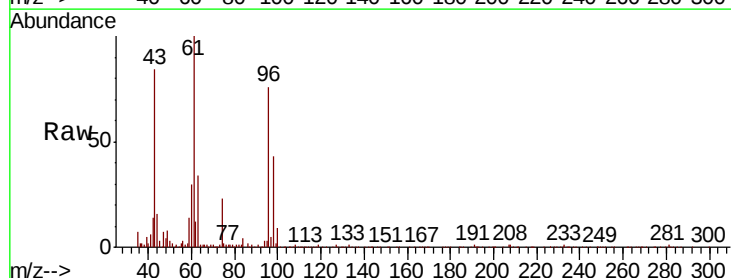
Instrument :
MSVOA_F
ClientSampleId :

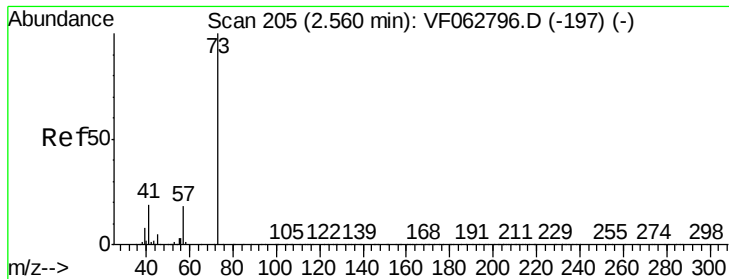
Tot Ion: 76 Resp: 1094971
Ion Ratio Lower Upper
76 100
78 10.5 9.4 14.2



#18
Methyl Acetate
Concen: 53.393 ug/l
RT: 2.48 min Scan# 197
Delta R.T. -0.00 min
Lab File: VF062797.D
Acq: 30 May 2019 15:59

Tgt Ion: 43 Resp: 161235
Ion Ratio Lower Upper
43 100
74 26.9 22.1 33.1



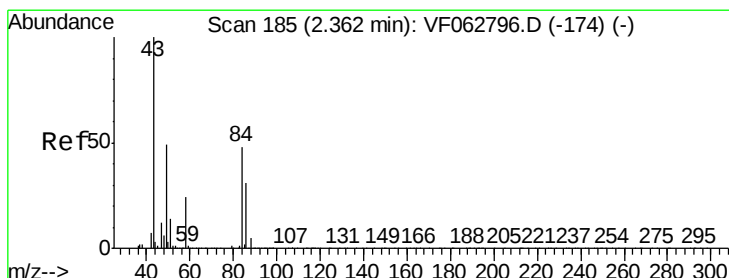
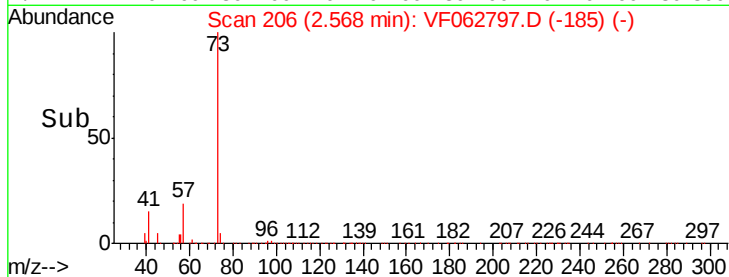
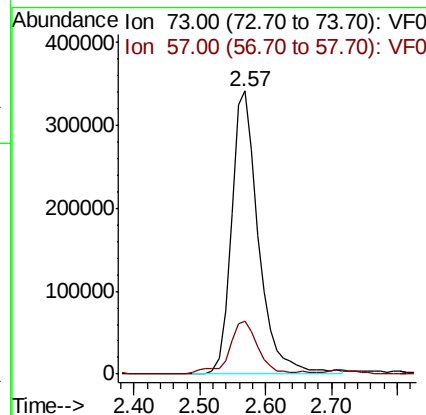
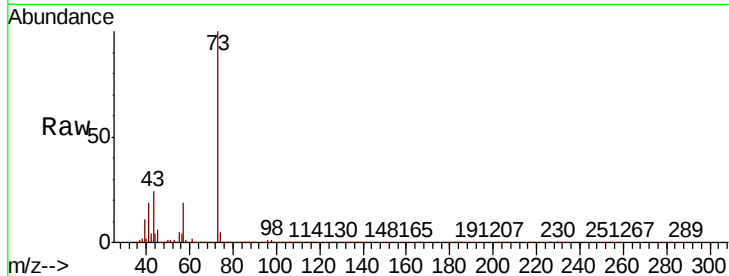


#19

Methyl tert-butyl Ether
 Concen: 66.366 ug/l
 RT: 2.57 min Scan# 206
 Delta R.T. 0.01 min
 Lab File: VF062797.D
 Acq: 30 May 2019 15:59

Instrument :
 MSVOA_F
 ClientSampleId :

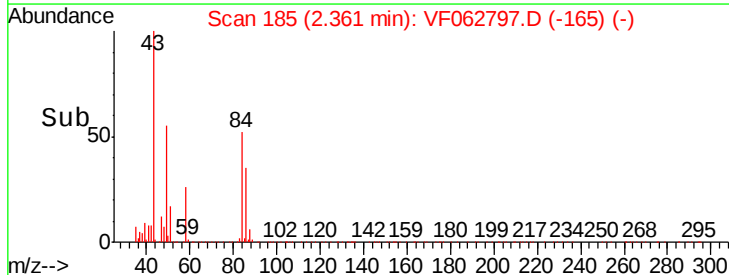
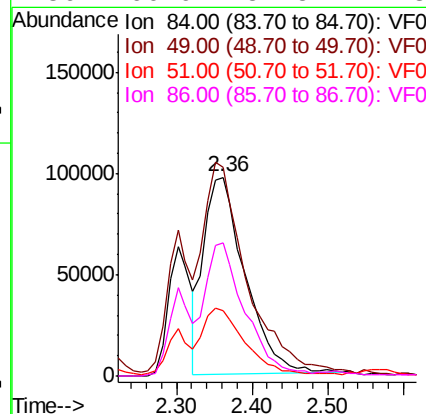
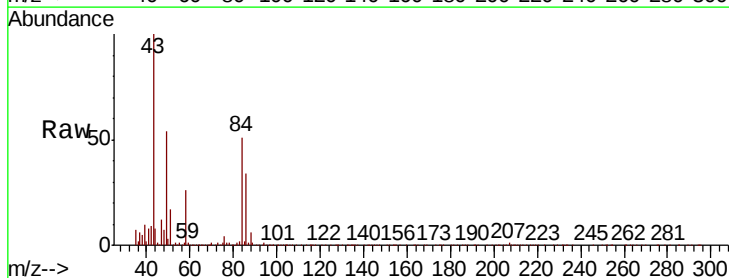
Tot Ion: 73 Resp: 977596
 Ion Ratio Lower Upper
 73 100
 57 18.9 15.1 22.7

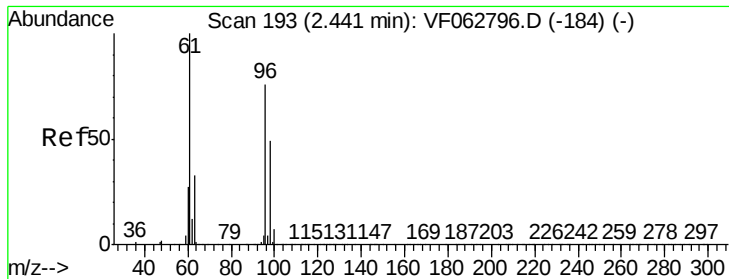


#20

Methylene Chloride
 Concen: 40.216 ug/l
 RT: 2.36 min Scan# 185
 Delta R.T. -0.00 min
 Lab File: VF062797.D
 Acq: 30 May 2019 15:59

Tgt Ion: 84 Resp: 367958
 Ion Ratio Lower Upper
 84 100
 49 105.2 82.6 123.8
 51 33.1 25.0 37.4
 86 66.9 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 65.317 ug/l

RT: 2.44 min Scan# 193

Delta R.T. -0.00 min

Lab File: VF062797.D

Acq: 30 May 2019 15:59

Instrument :
MSVOA_F
ClientSampleId :

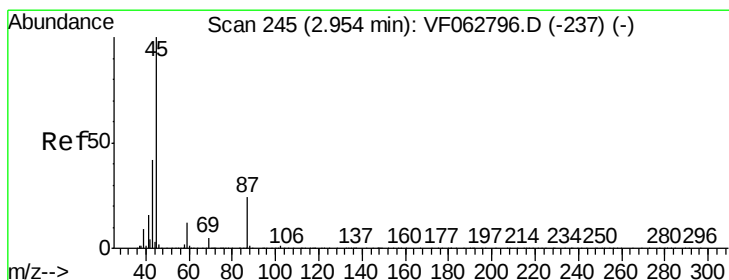
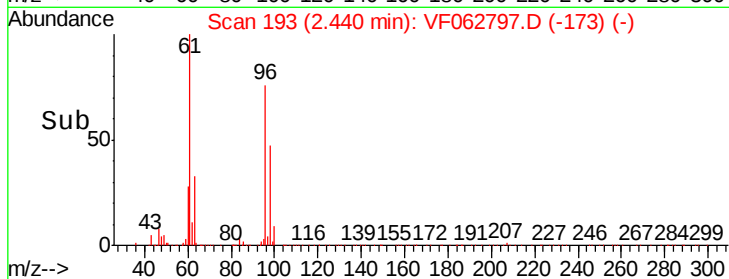
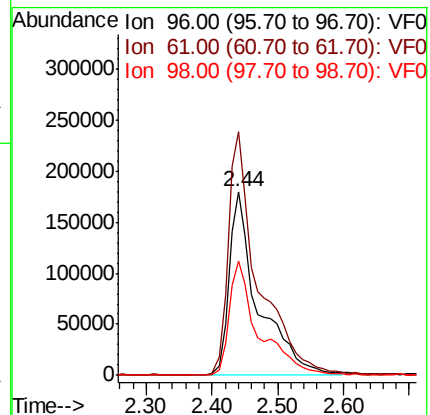
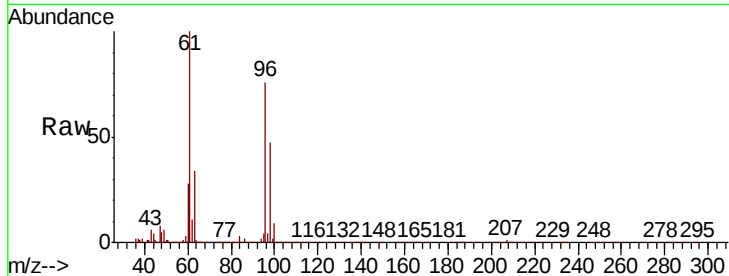
Tot Ion: 96 Resp: 552322

Ion Ratio Lower Upper

96 100

61 132.3 105.0 157.6

98 62.1 51.1 76.7



#22

Diisopropyl ether

Concen: 66.970 ug/l

RT: 2.96 min Scan# 246

Delta R.T. 0.01 min

Lab File: VF062797.D

Acq: 30 May 2019 15:59

Tgt Ion: 45 Resp: 1165899

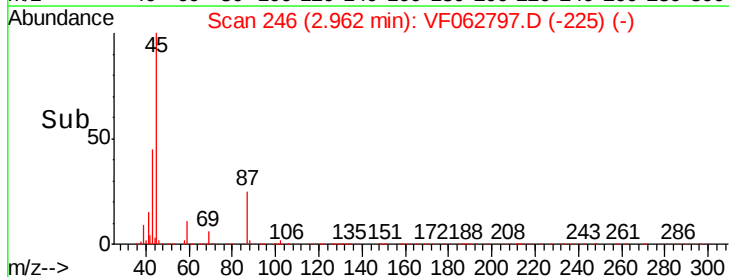
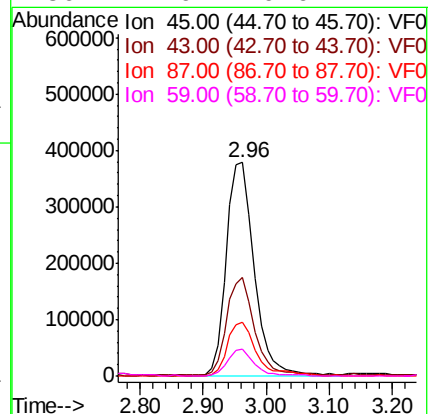
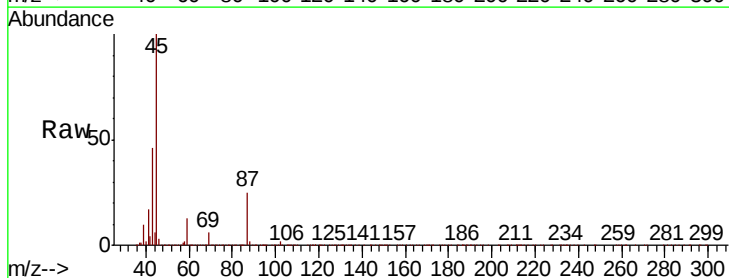
Ion Ratio Lower Upper

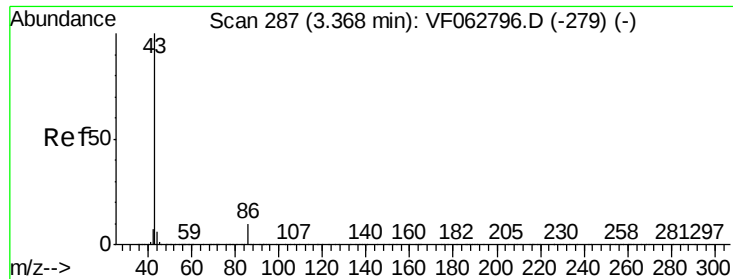
45 100

43 45.9 34.3 51.5

87 25.3 19.0 28.4

59 12.9 9.6 14.4





#23

Vinyl Acetate

Concen: 303.422 ug/l

RT: 3.37 min Scan# 287

Delta R.T. -0.00 min

Lab File: VF062797.D

Acq: 30 May 2019 15:59

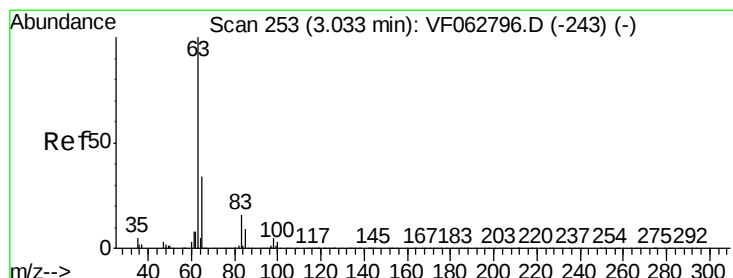
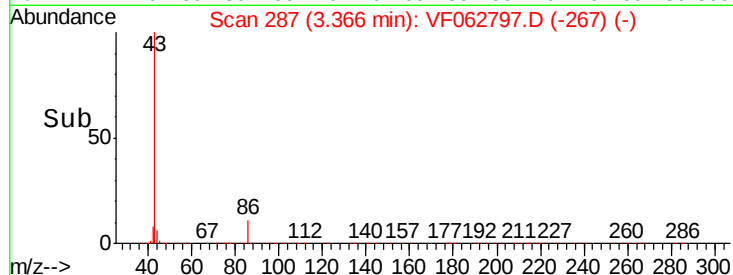
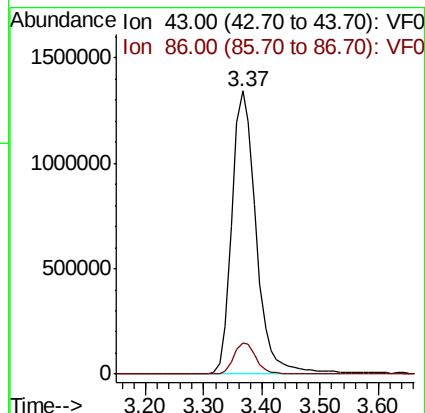
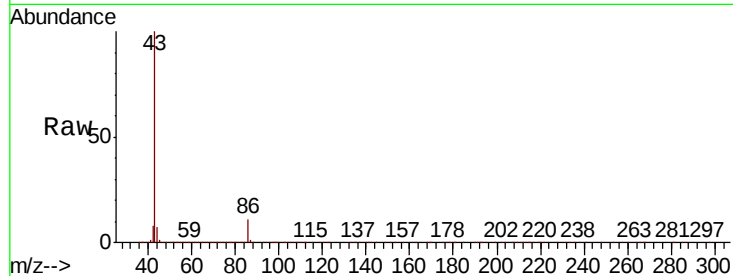
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 3888993

Ion Ratio Lower Upper

43 100

86 10.9 8.2 12.2



#24

1,1-Dichloroethane

Concen: 63.944 ug/l

RT: 3.03 min Scan# 253

Delta R.T. -0.00 min

Lab File: VF062797.D

Acq: 30 May 2019 15:59

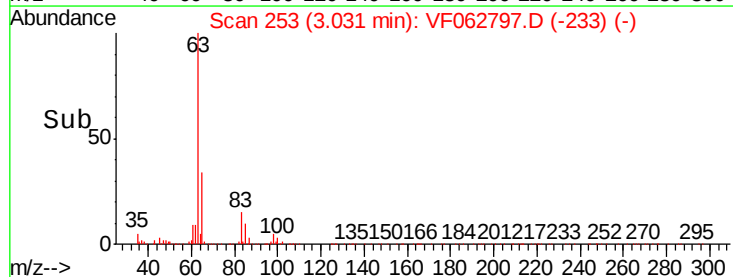
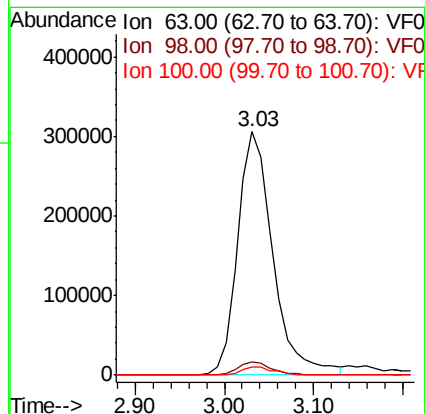
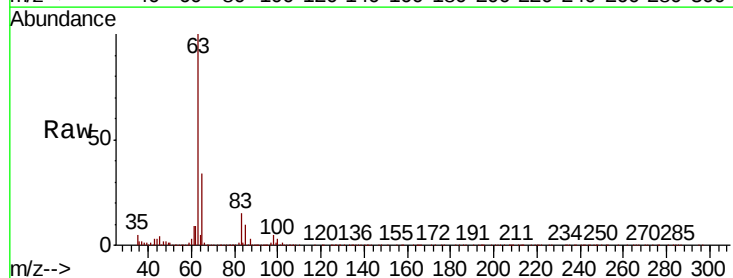
Tgt Ion: 63 Resp: 843930

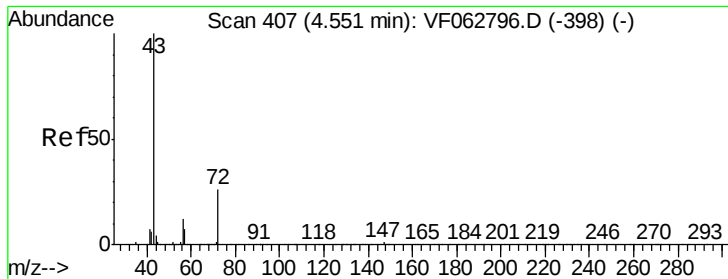
Ion Ratio Lower Upper

63 100

98 5.2 2.4 7.1

100 3.2 1.5 4.5





#25

2-Butanone

Concen: 305.988 ug/l

RT: 4.55 min Scan# 407

Delta R.T. -0.00 min

Lab File: VF062797.D

Acq: 30 May 2019 15:59

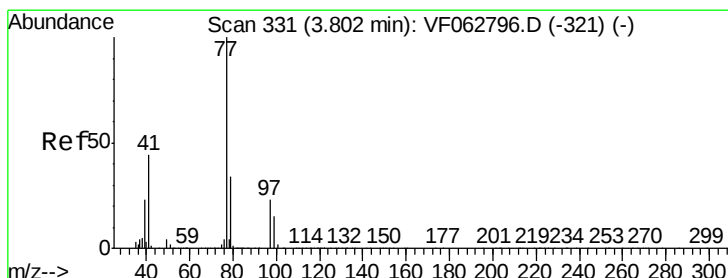
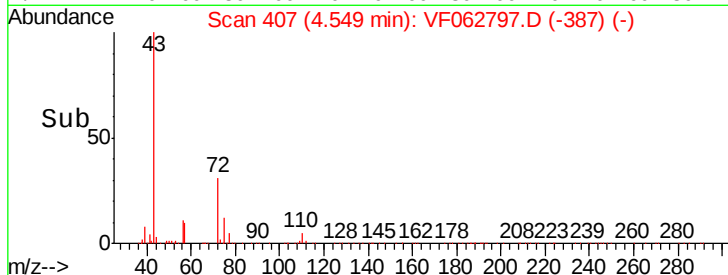
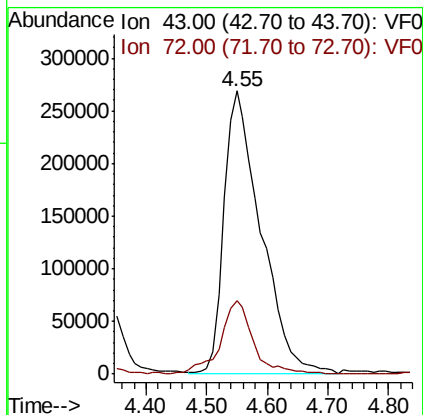
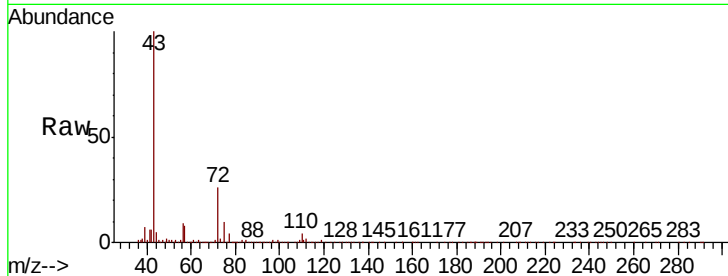
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 1129481

Ion Ratio Lower Upper

43 100

72 26.2 21.4 32.0



#26

2,2-Dichloropropane

Concen: 64.717 ug/l

RT: 3.80 min Scan# 331

Delta R.T. -0.00 min

Lab File: VF062797.D

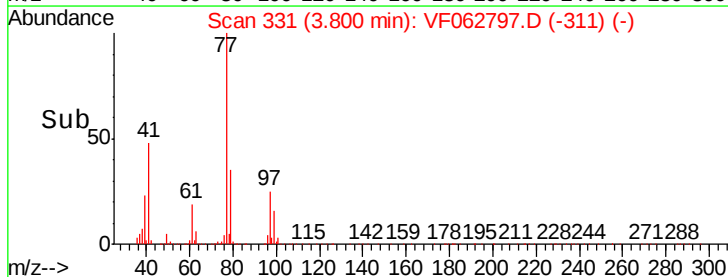
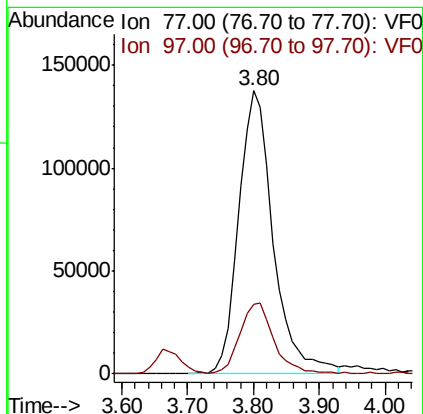
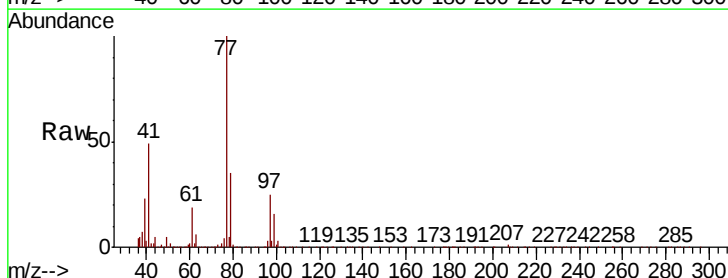
Acq: 30 May 2019 15:59

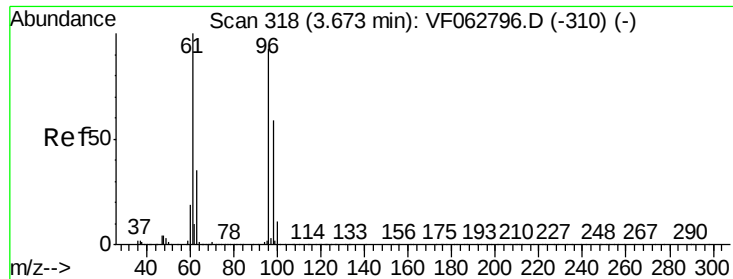
Tgt Ion: 77 Resp: 504945

Ion Ratio Lower Upper

77 100

97 24.5 12.4 37.4



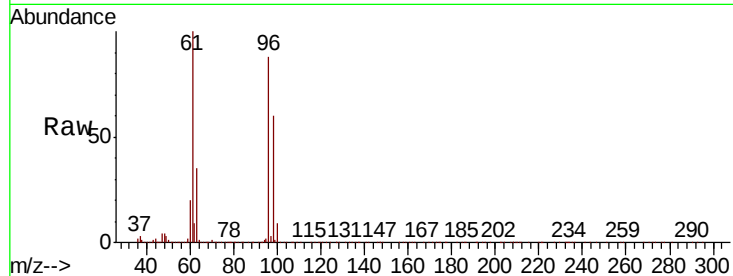


#27

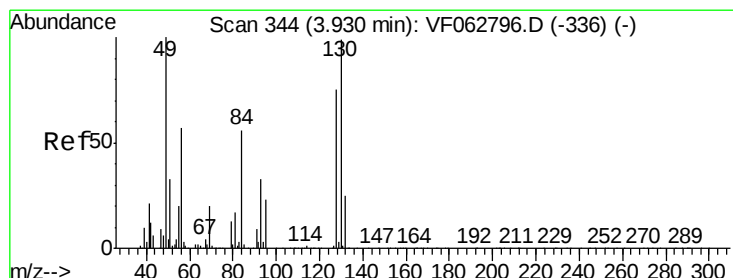
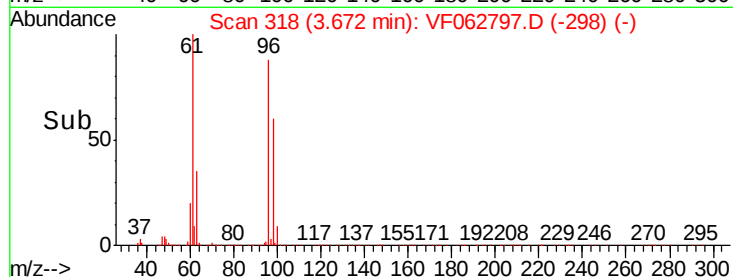
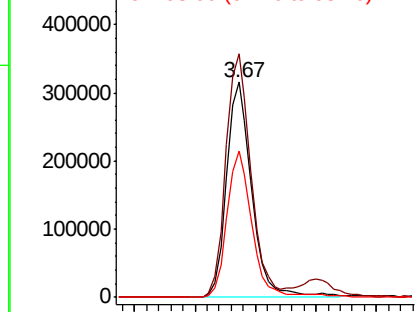
cis-1,2-Dichloroethene
Concen: 66.658 ug/l
RT: 3.67 min Scan# 318
Delta R.T. -0.00 min
Lab File: VF062797.D
Acq: 30 May 2019 15:59

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	113.2	0.0	213.8
98	68.1	0.0	127.0



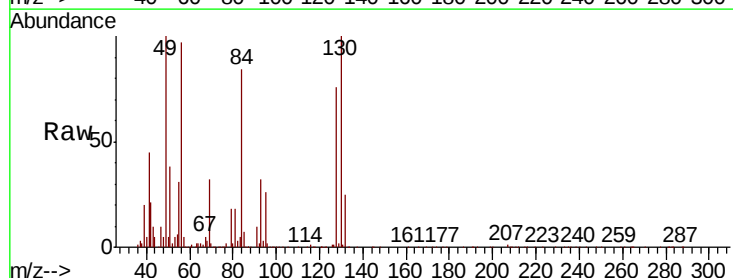
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



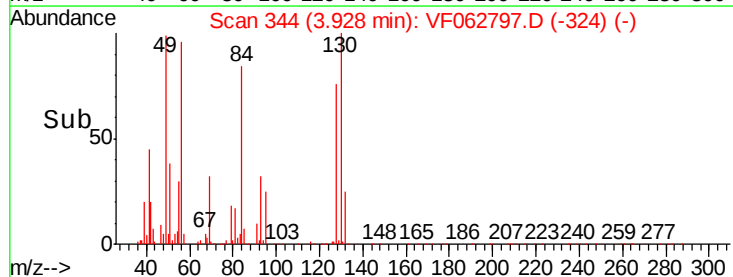
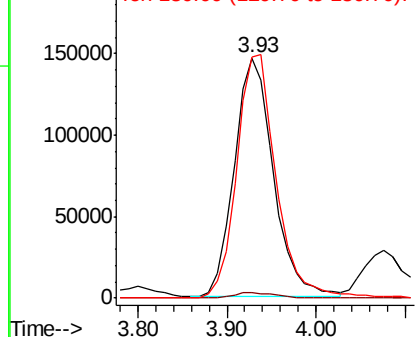
#28

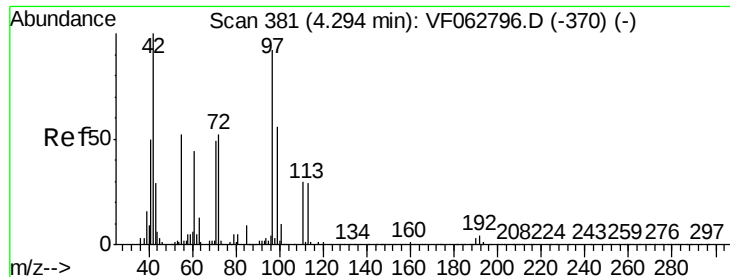
Bromochloromethane
Concen: 59.865 ug/l
RT: 3.93 min Scan# 344
Delta R.T. -0.00 min
Lab File: VF062797.D
Acq: 30 May 2019 15:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	5.4
130	100.5	79.2	118.8



Abundance Ion 49.00 (48.70 to 49.70): VF0
Ion 129.00 (128.70 to 129.70): V
Ion 130.00 (129.70 to 130.70): V

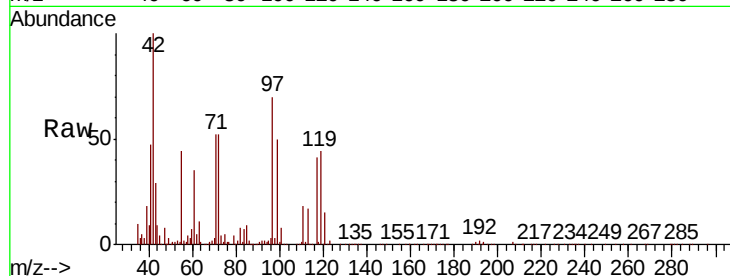




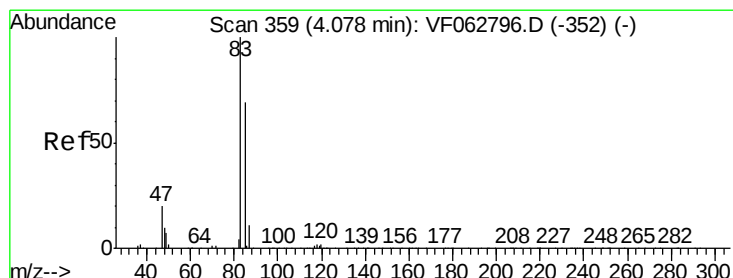
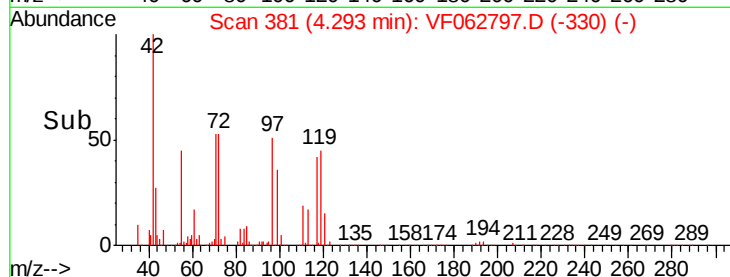
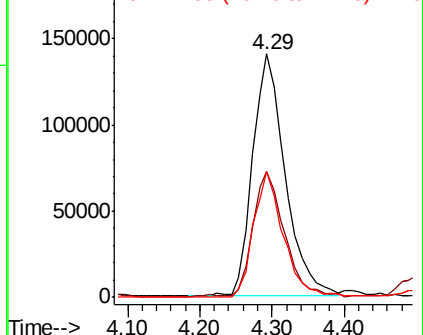
#29
Tetrahydrofuran
Concen: 325.125 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.00 min
Lab File: VF062797.D
Acq: 30 May 2019 15:59

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.8	39.0	58.6
71	48.3	36.9	55.3

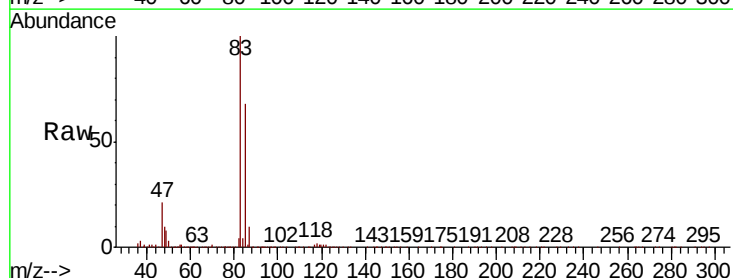


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

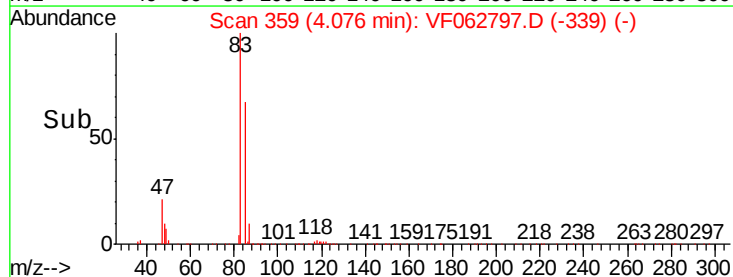
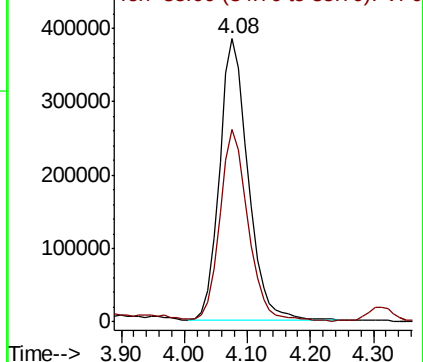


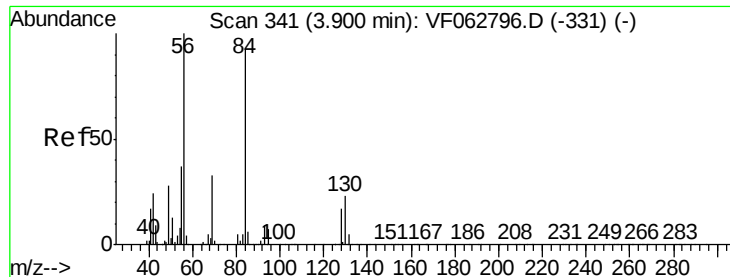
#30
Chloroform
Concen: 62.351 ug/l
RT: 4.08 min Scan# 359
Delta R.T. -0.00 min
Lab File: VF062797.D
Acq: 30 May 2019 15:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.2	55.0	82.6



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

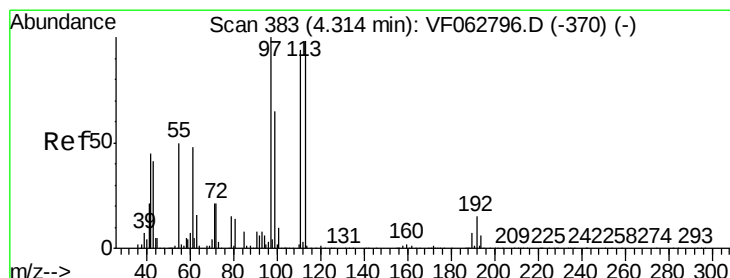
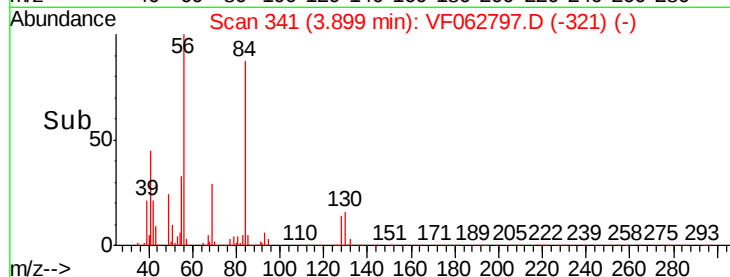
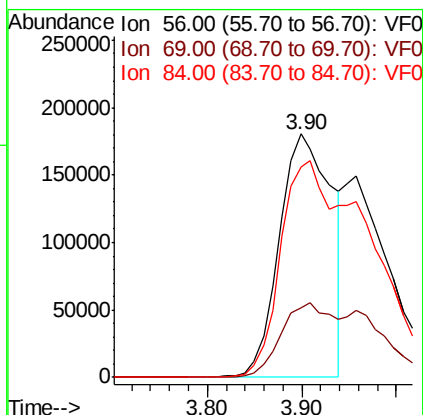
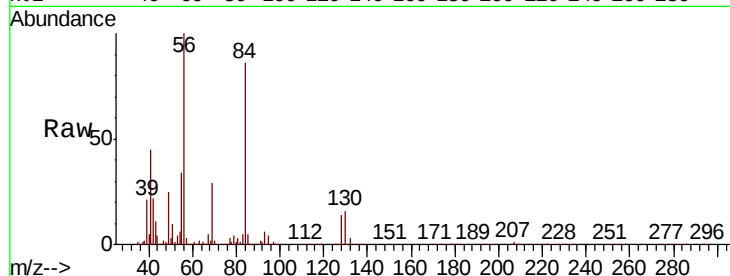




#31
Cyclohexane
Concen: 37.909 ug/l
RT: 3.90 min Scan# 341
Delta R.T. -0.00 min
Lab File: VF062797.D
Acq: 30 May 2019 15:59

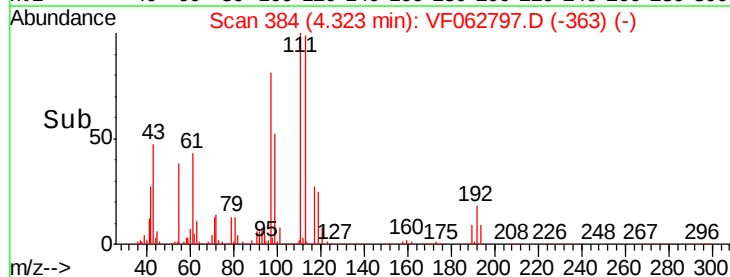
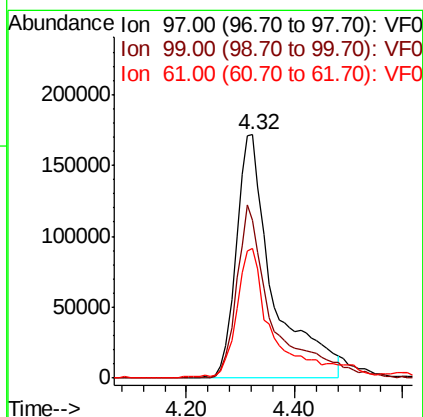
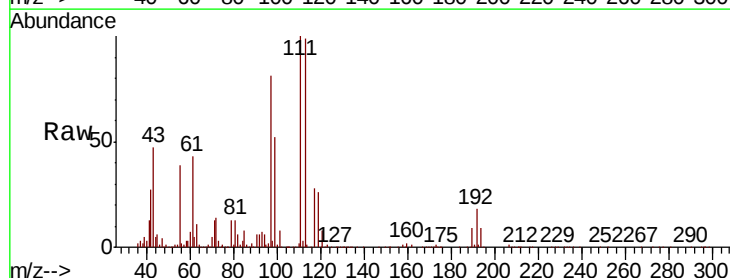
Instrument :
MSVOA_F
ClientSampled :

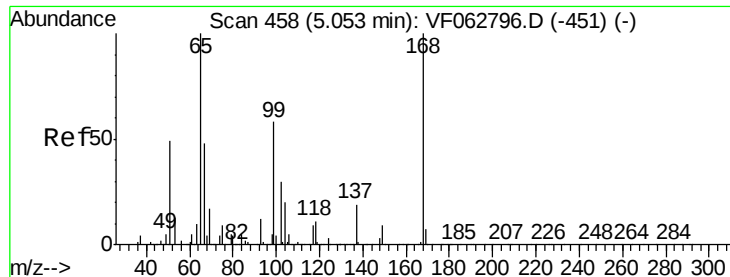
Tot Ion: 56 Resp: 695413
Ion Ratio Lower Upper
56 100
69 28.7 26.7 40.1
84 86.4 74.3 111.5



#32
1,1,1-Trichloroethane
Concen: 76.191 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.01 min
Lab File: VF062797.D
Acq: 30 May 2019 15:59

Tgt Ion: 97 Resp: 813173
Ion Ratio Lower Upper
97 100
99 64.9 51.7 77.5
61 53.3 38.9 58.3





#33

1,2-Dichloroethane-d4

Concen: 63.450 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.00 min

Lab File: VF062797.D

Acq: 30 May 2019 15:59

Instrument :

MSVOA_F

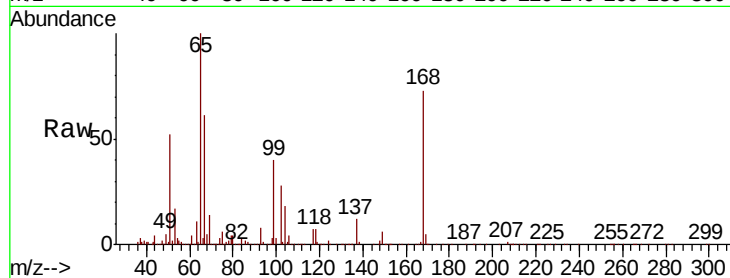
ClientSampleId :

Tot Ion: 65 Resp: 423912

Ion Ratio Lower Upper

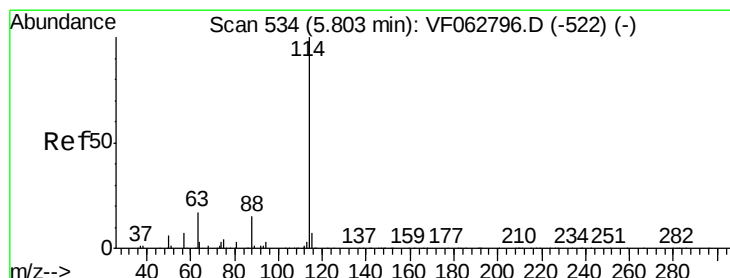
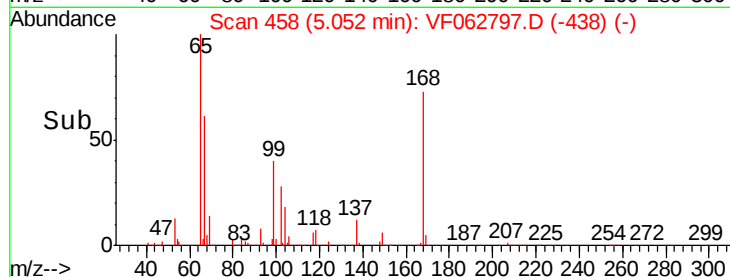
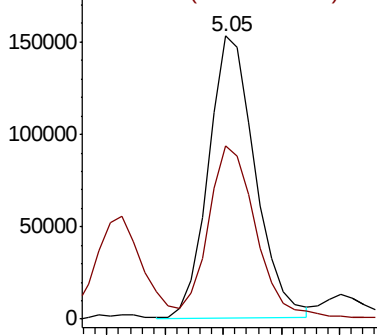
65 100

67 61.4 0.0 121.2



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. -0.00 min

Lab File: VF062797.D

Acq: 30 May 2019 15:59

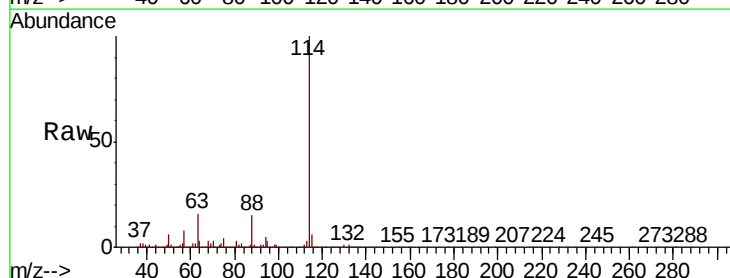
Tgt Ion: 114 Resp: 1562686

Ion Ratio Lower Upper

114 100

63 16.2 0.0 34.2

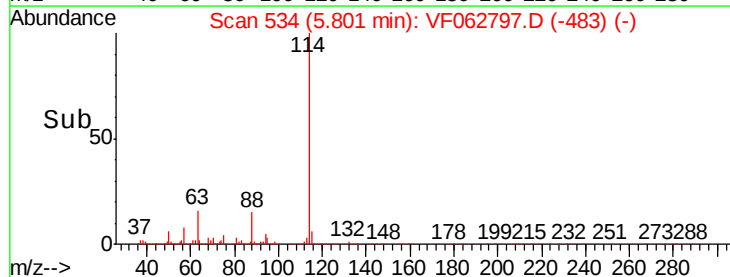
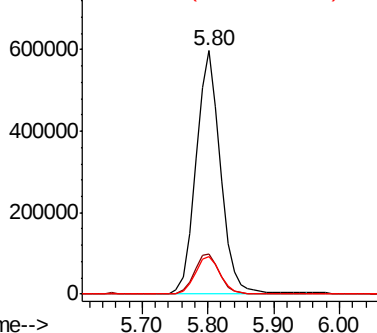
88 15.4 0.0 31.2

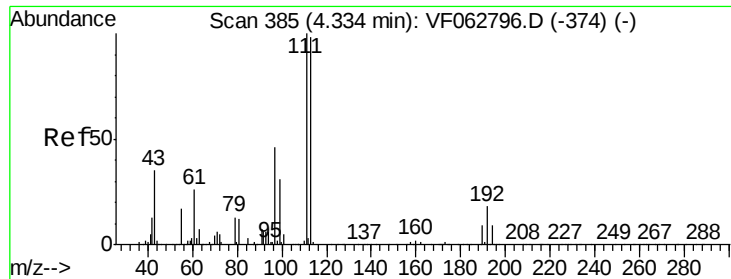


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 62.321 ug/l

RT: 4.33 min Scan# 385

Delta R.T. -0.00 min

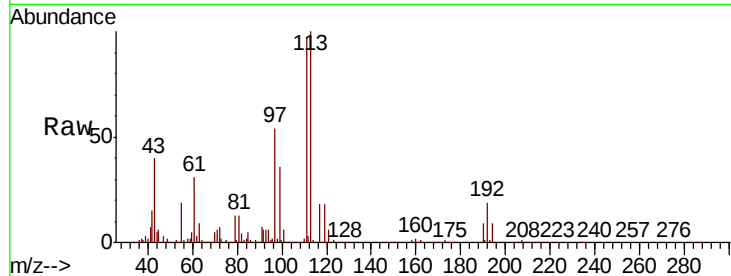
Lab File: VF062797.D

Acq: 30 May 2019 15:59

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:113 Resp: 756640

Ion	Ratio	Lower	Upper
113	100		
111	97.3	81.9	122.9
192	19.3	15.1	22.7

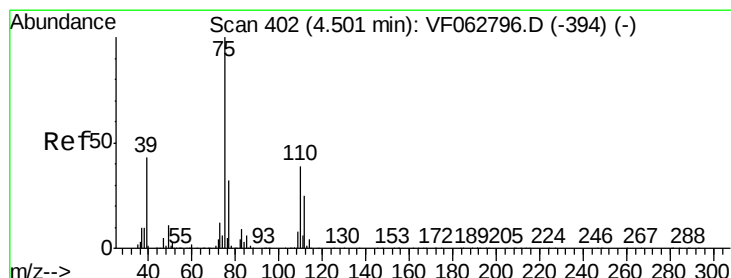
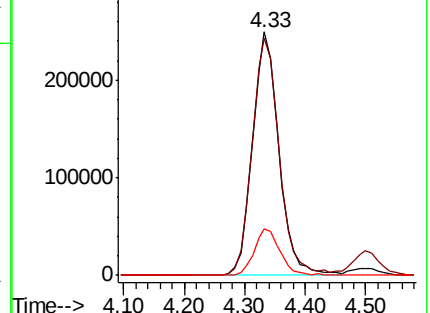
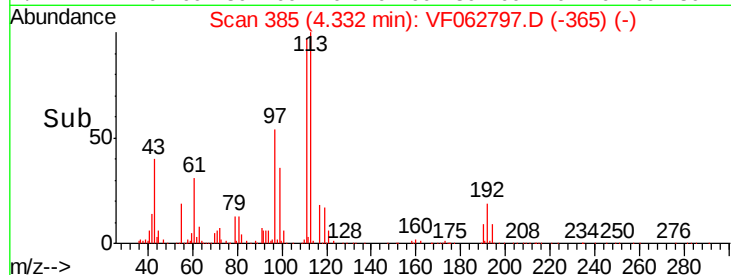


Abundance

Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 65.338 ug/l

RT: 4.50 min Scan# 402

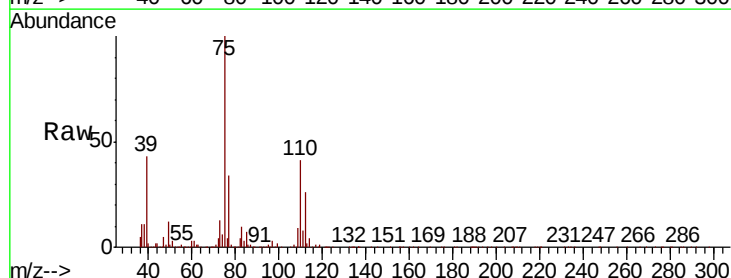
Delta R.T. -0.00 min

Lab File: VF062797.D

Acq: 30 May 2019 15:59

Tgt Ion: 75 Resp: 995419

Ion	Ratio	Lower	Upper
75	100		
110	40.6	19.4	58.1
77	34.0	25.4	38.2

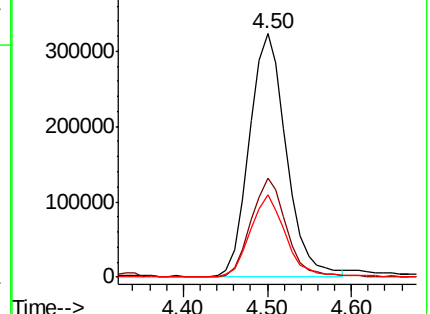
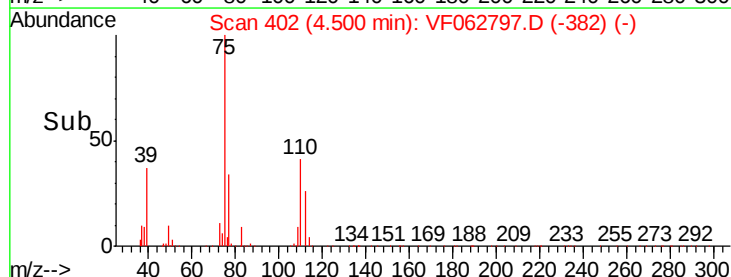


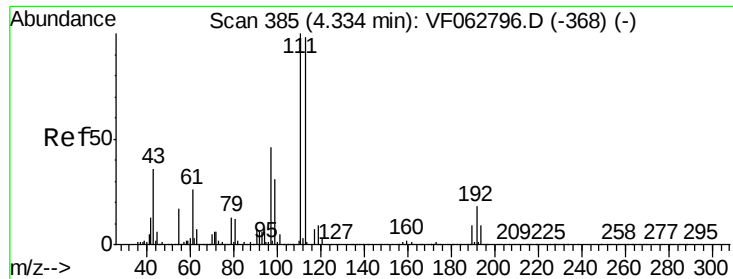
Abundance

Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

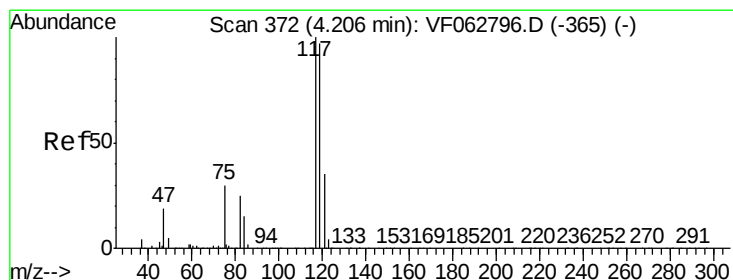
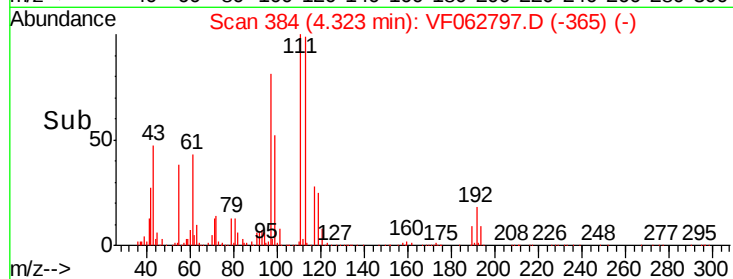
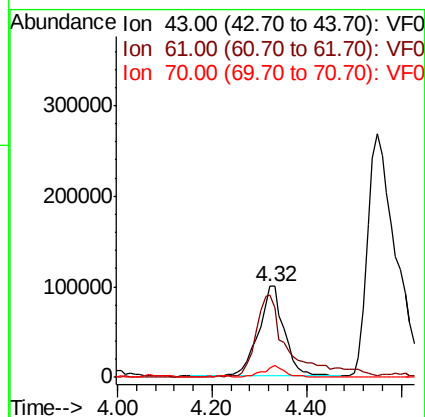
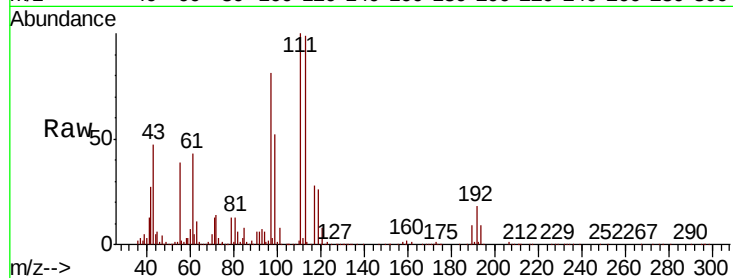




#37
Ethyl Acetate
Concen: 61.404 ug/l
RT: 4.32 min Scan# 384
Delta R.T. -0.01 min
Lab File: VF062797.D
Acq: 30 May 2019 15:59

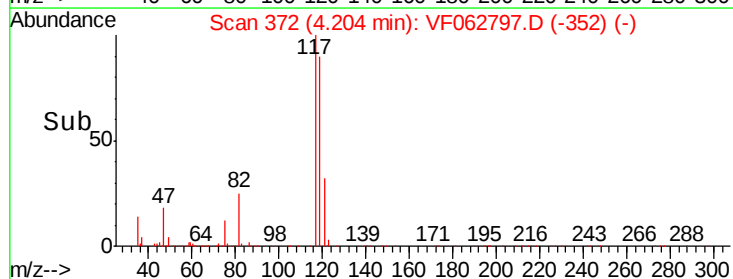
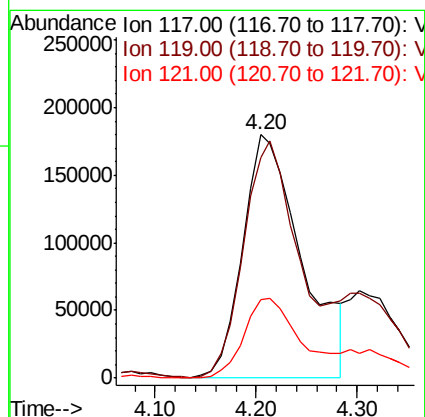
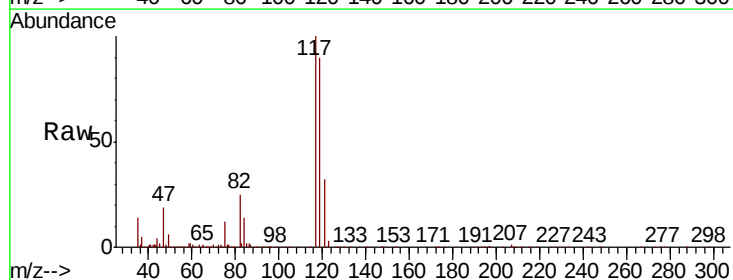
Instrument :
MSVOA_F
ClientSampleId :

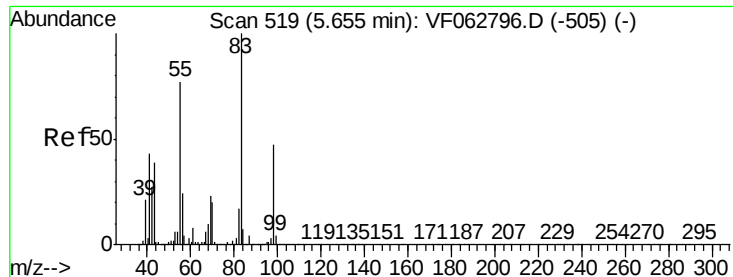
Tot Ion	43	Resp	377006
Ion Ratio	Lower	Upper	
43	100		
61	91.0	59.1	88.7#
70	10.4	10.1	15.1



#38
Carbon Tetrachloride
Concen: 71.488 ug/l
RT: 4.20 min Scan# 372
Delta R.T. -0.00 min
Lab File: VF062797.D
Acq: 30 May 2019 15:59

Tgt Ion	117	Resp	728879
Ion Ratio	Lower	Upper	
117	100		
119	90.4	78.2	117.2
121	32.2	28.2	42.2

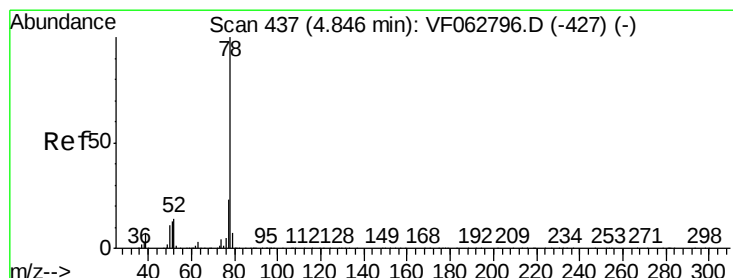
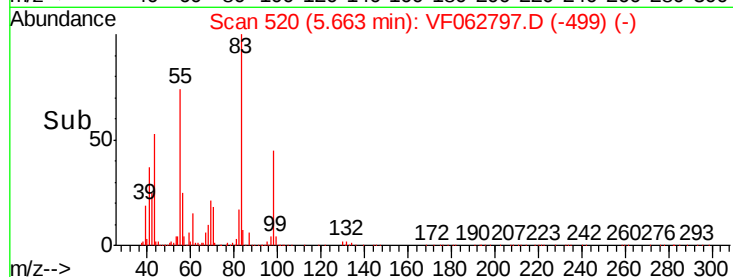
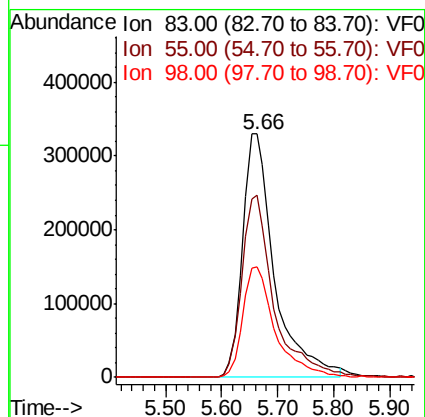
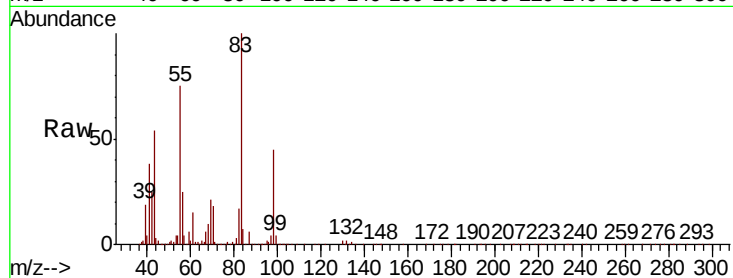




#39
Methvlcvclohexane
Concen: 70.181 ug/l
RT: 5.66 min Scan# 520
Delta R.T. 0.01 min
Lab File: VF062797.D
Acq: 30 May 2019 15:59

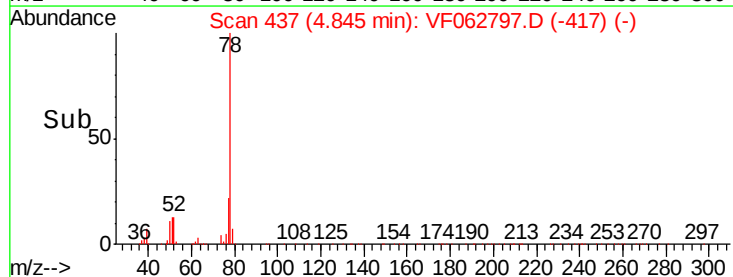
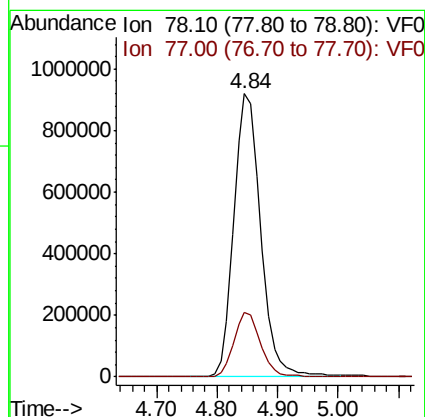
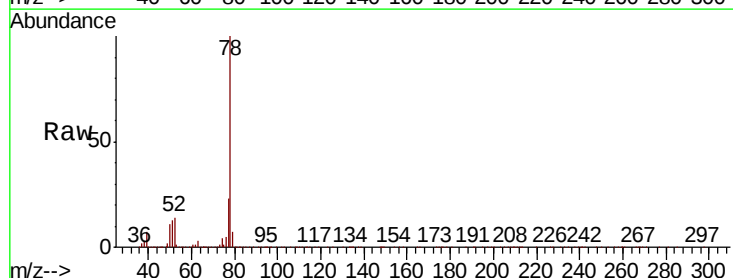
Instrument :
MSVOA_F
ClientSampleId :

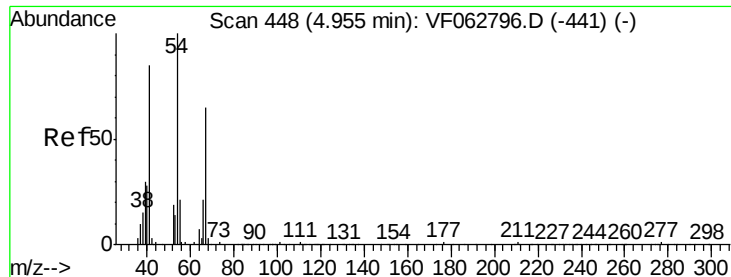
Tot Ion: 83 Resp: 1303582
Ion Ratio Lower Upper
83 100
55 74.6 61.6 92.4
98 45.4 37.4 56.2



#40
Benzene
Concen: 63.239 ug/l
RT: 4.84 min Scan# 437
Delta R.T. -0.00 min
Lab File: VF062797.D
Acq: 30 May 2019 15:59

Tgt Ion: 78 Resp: 2842427
Ion Ratio Lower Upper
78 100
77 22.6 18.9 28.3

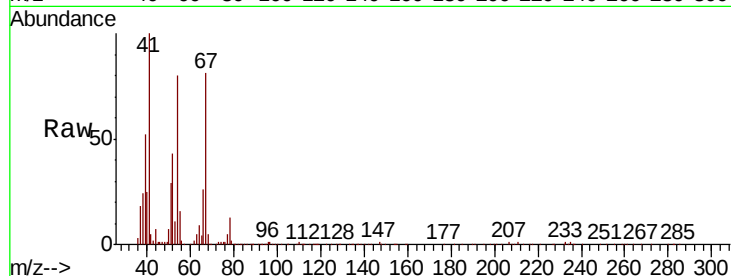




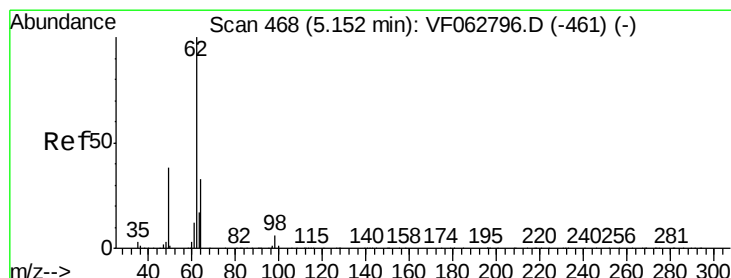
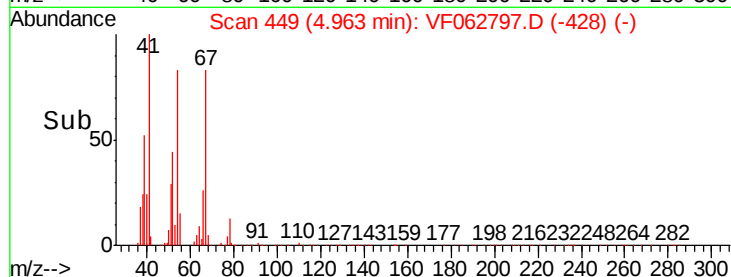
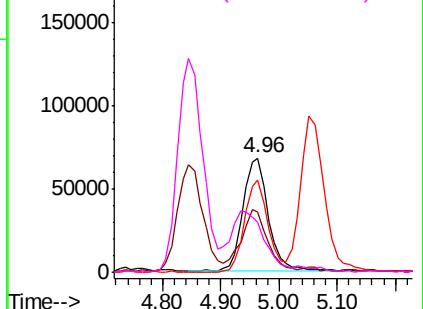
#41
Methacrylonitrile
Concen: 61.967 ug/l
RT: 4.96 min Scan# 449
Delta R.T. 0.01 min
Lab File: VF062797.D
Acq: 30 May 2019 15:59

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	41	Resp:	206641
Ion	Ratio	Lower	Upper
41	100		
39	52.0	42.0	63.0
67	80.6	61.4	92.0
52	43.4	42.1	63.1

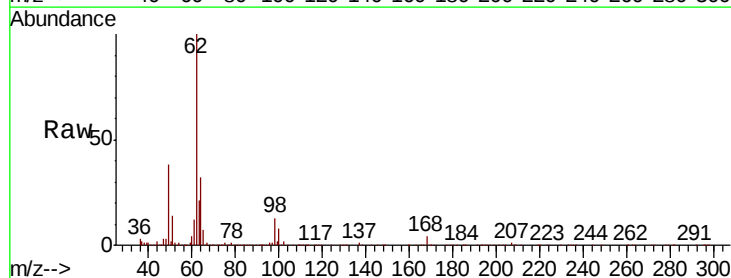


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

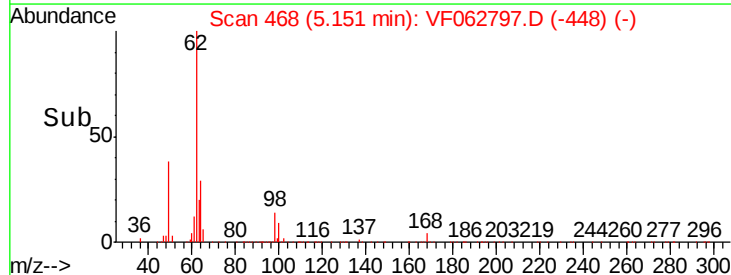
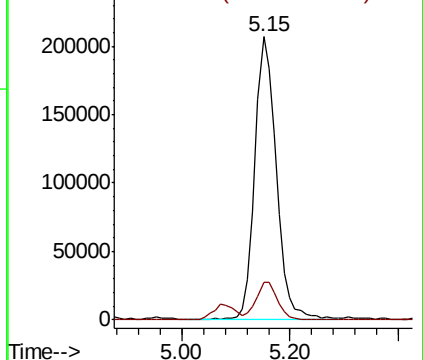


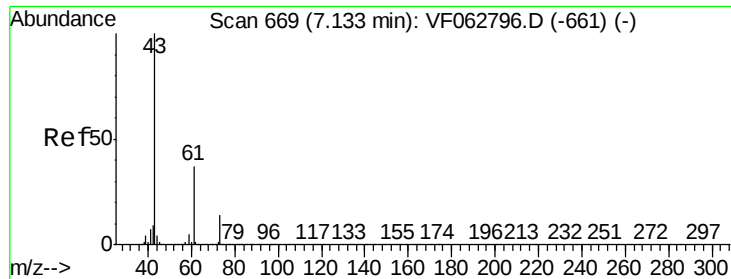
#42
1,2-Dichloroethane
Concen: 68.708 ug/l
RT: 5.15 min Scan# 468
Delta R.T. -0.00 min
Lab File: VF062797.D
Acq: 30 May 2019 15:59

Tgt Ion:	62	Resp:	573957
Ion	Ratio	Lower	Upper
62	100		
98	13.4	0.0	24.0



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



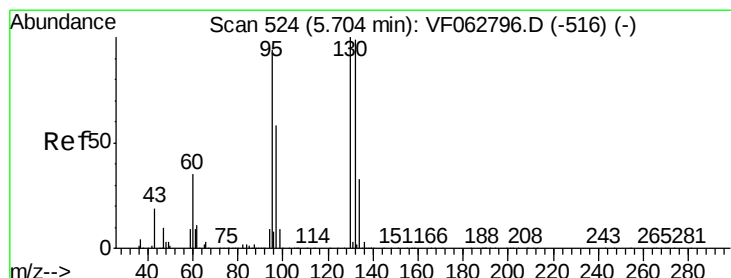
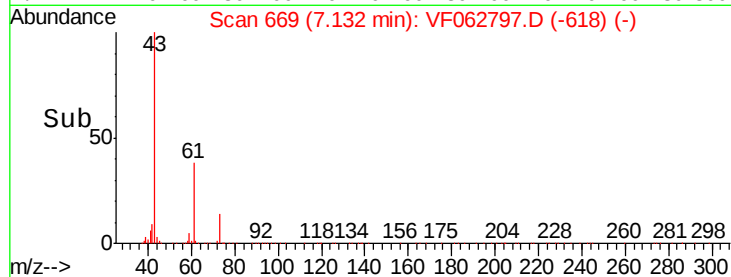
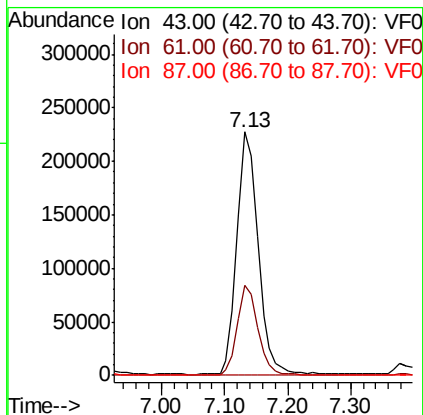
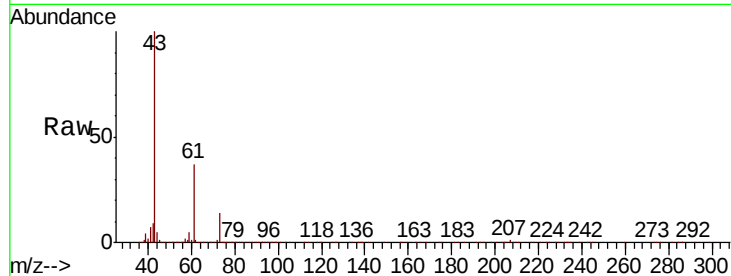


#43

Isopropyl Acetate
 Concen: 70.084 ug/l
 RT: 7.13 min Scan# 669
 Delta R.T. -0.00 min
 Lab File: VF062797.D
 Acq: 30 May 2019 15:59

Instrument :
 MSVOA_F
 ClientSampleId :

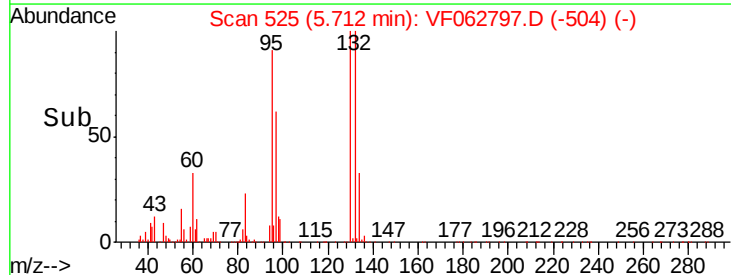
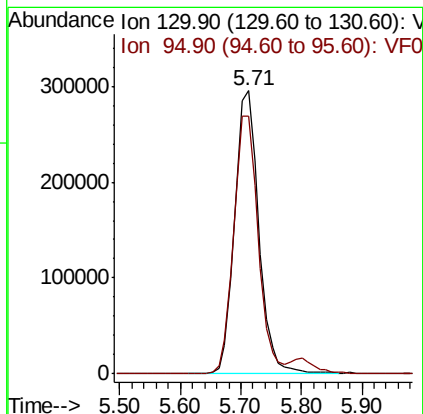
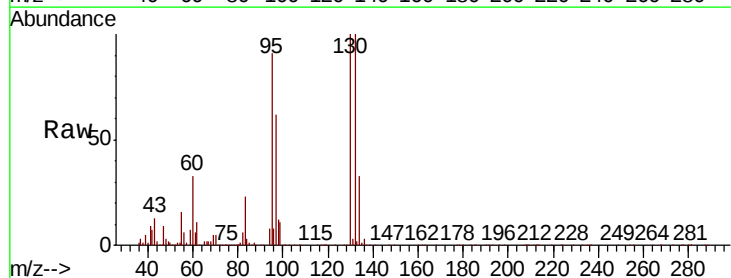
Tot Ion	Ratio	Lower	Upper
43	100		
61	37.0	29.8	44.6
87	0.2	0.3	0.5

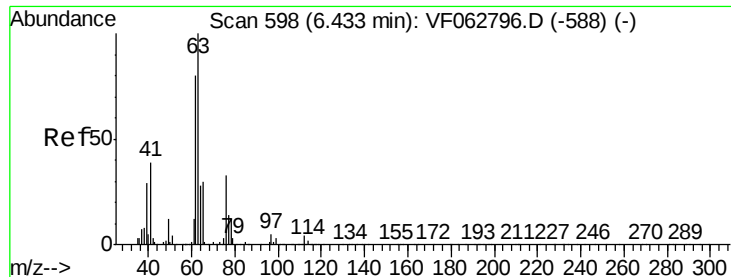


#44

Trichloroethene
 Concen: 65.387 ug/l
 RT: 5.71 min Scan# 525
 Delta R.T. 0.01 min
 Lab File: VF062797.D
 Acq: 30 May 2019 15:59

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.2	0.0	188.2





#45

1,2-Dichloropropane

Concen: 66.763 ug/l

RT: 6.43 min Scan# 598

Delta R.T. -0.00 min

Lab File: VF062797.D

Acq: 30 May 2019 15:59

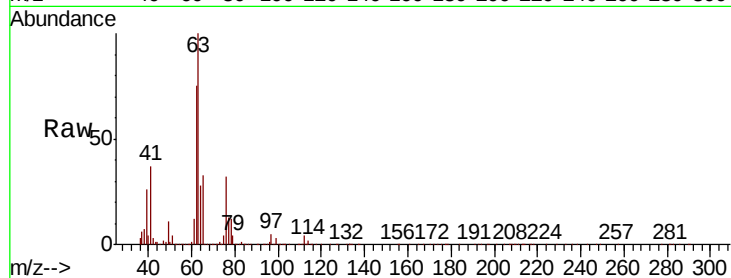
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 738879

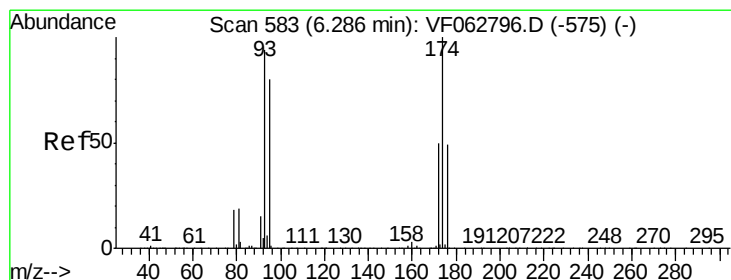
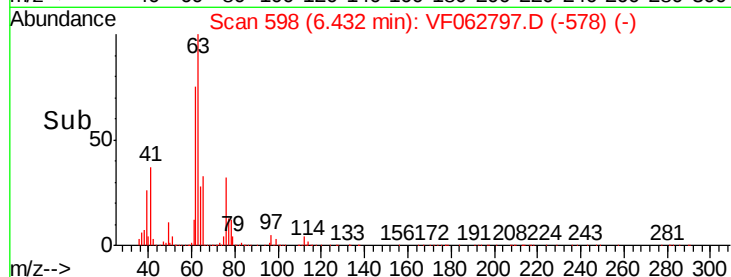
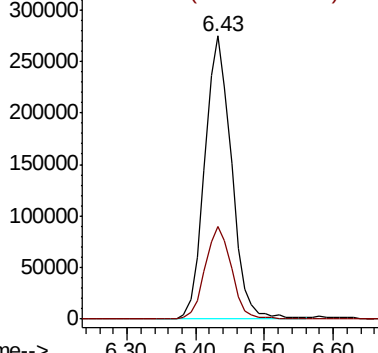
Ion Ratio Lower Upper

63 100

65 32.7 24.2 36.2



Abundance Ion 63.00 (62.70 to 63.70): VF0
Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 78.189 ug/l

RT: 6.28 min Scan# 583

Delta R.T. -0.00 min

Lab File: VF062797.D

Acq: 30 May 2019 15:59

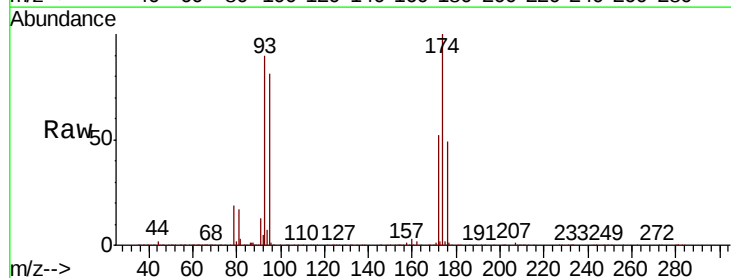
Tgt Ion: 93 Resp: 503036

Ion Ratio Lower Upper

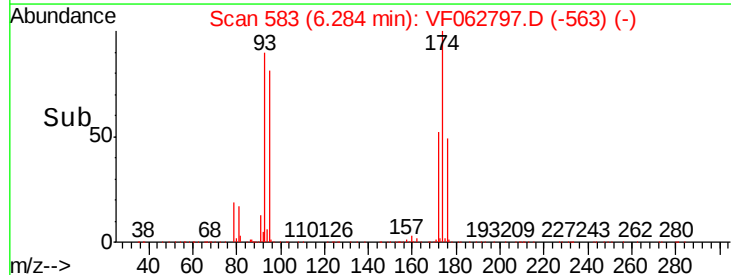
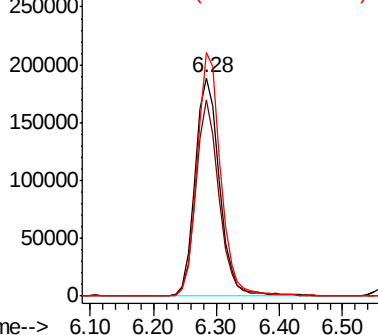
93 100

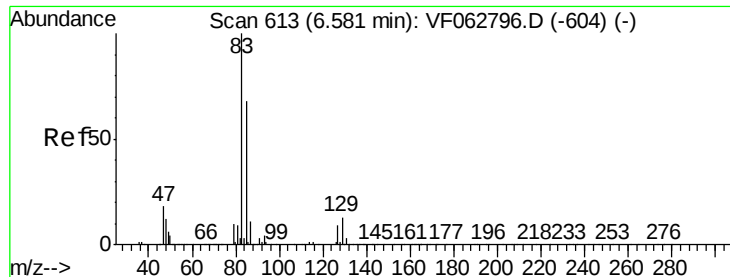
95 89.9 67.9 101.9

174 113.6 85.0 127.4



Abundance Ion 93.00 (92.70 to 93.70): VF0
Ion 95.00 (94.70 to 95.70): VF0
Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 76.422 ug/l

RT: 6.58 min Scan# 613

Delta R.T. -0.00 min

Lab File: VF062797.D

Acq: 30 May 2019 15:59

Instrument :
MSVOA_F
ClientSampled :

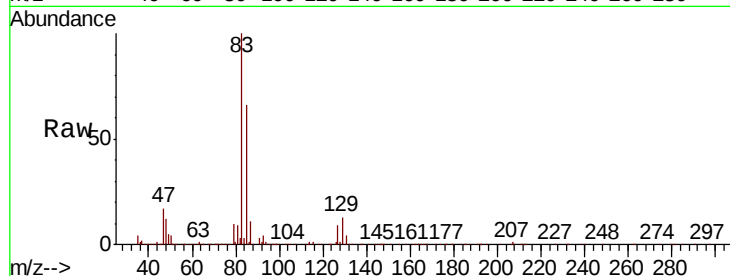
Tot Ion: 83 Resp: 1001639

Ion Ratio Lower Upper

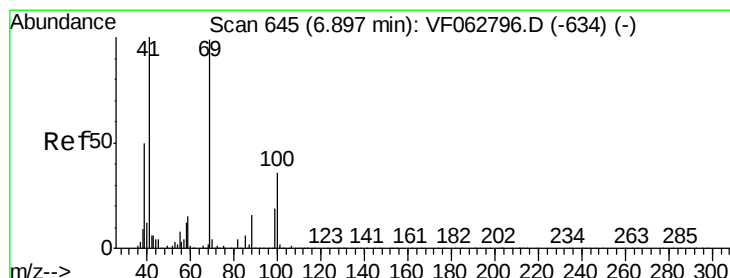
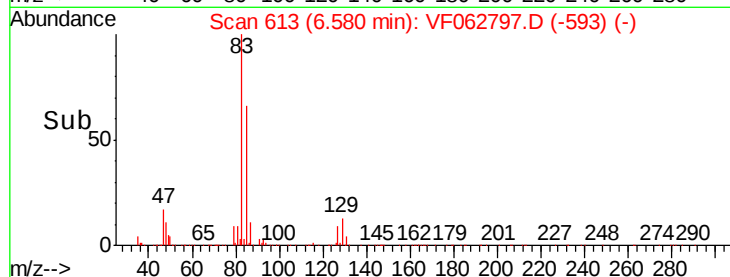
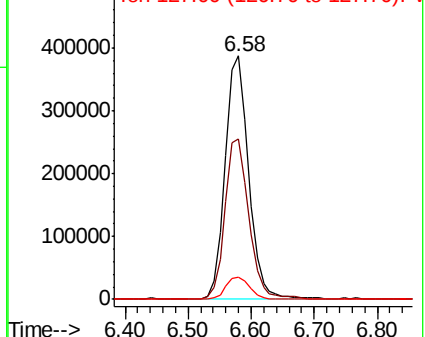
83 100

85 66.1 54.2 81.4

127 9.4 7.0 10.4



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



#48

Methyl methacrylate

Concen: 73.529 ug/l

RT: 6.91 min Scan# 646

Delta R.T. 0.01 min

Lab File: VF062797.D

Acq: 30 May 2019 15:59

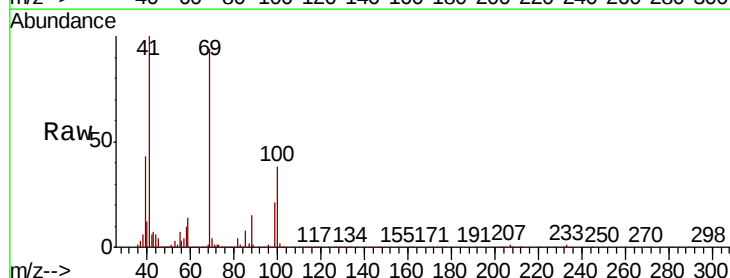
Tgt Ion: 41 Resp: 285231

Ion Ratio Lower Upper

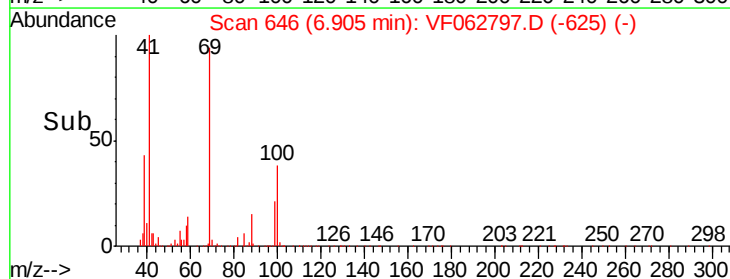
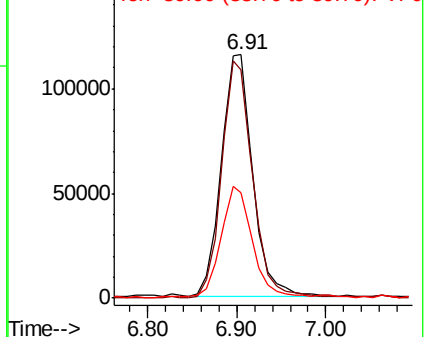
41 100

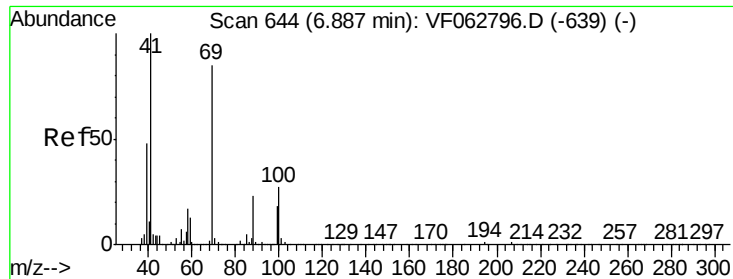
69 93.9 79.4 119.2

39 43.1 39.8 59.6



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

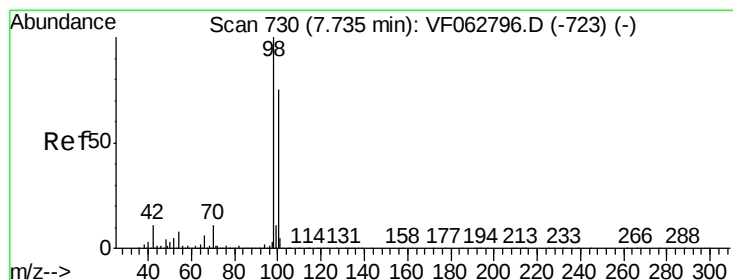
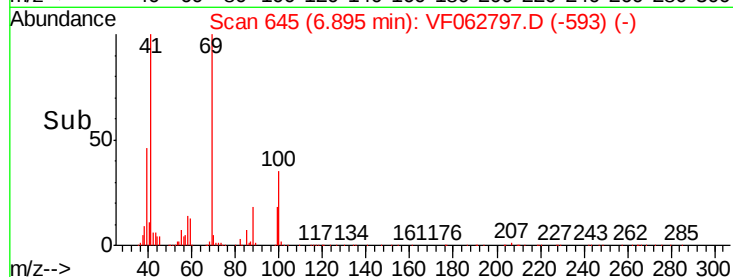
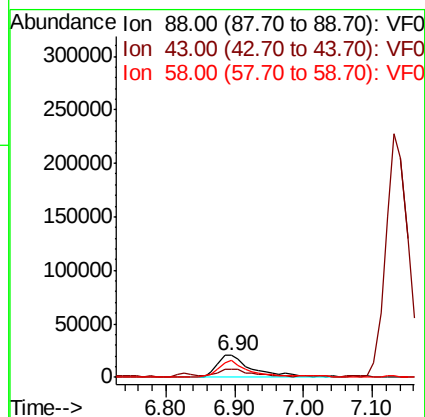
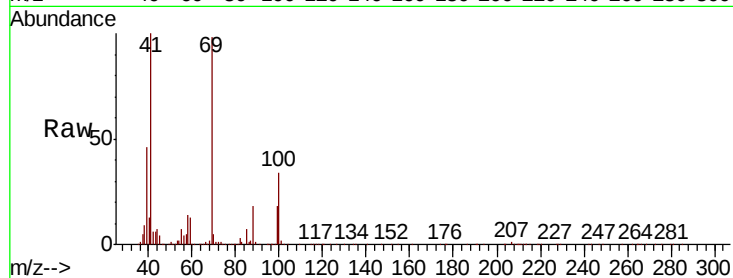




#49
1,4-Dioxane
Concen: 1579.525 ug/l
RT: 6.90 min Scan# 645
Delta R.T. 0.01 min
Lab File: VF062797.D
Acq: 30 May 2019 15:59

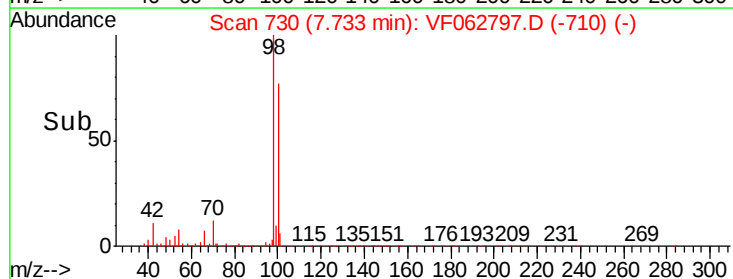
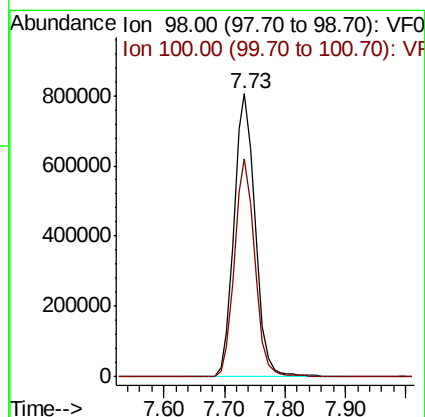
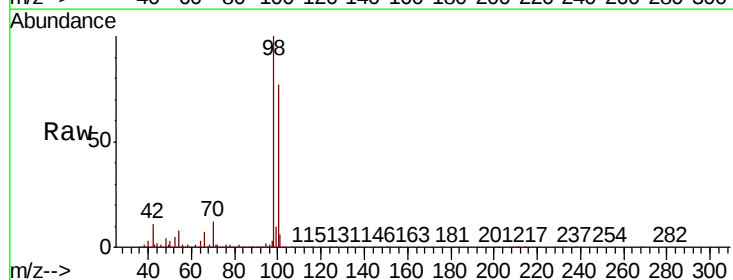
Instrument :
MSVOA_F
ClientSampleId :

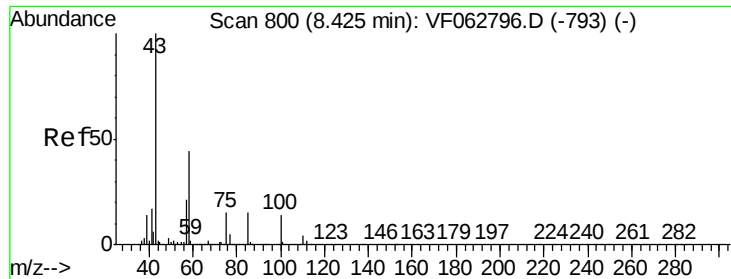
Tot Ion: 88 Resp: 73901
Ion Ratio Lower Upper
88 100
43 34.6 34.8 52.2#
58 78.9 59.9 89.9



#50
Toluene-d8
Concen: 62.221 ug/l
RT: 7.73 min Scan# 730
Delta R.T. -0.00 min
Lab File: VF062797.D
Acq: 30 May 2019 15:59

Tgt Ion: 98 Resp: 1960445
Ion Ratio Lower Upper
98 100
100 77.1 59.8 89.8





#51

4-Methyl-2-Pentanone

Concen: 295.777 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.00 min

Lab File: VF062797.D

Acq: 30 May 2019 15:59

Instrument :

MSVOA_F

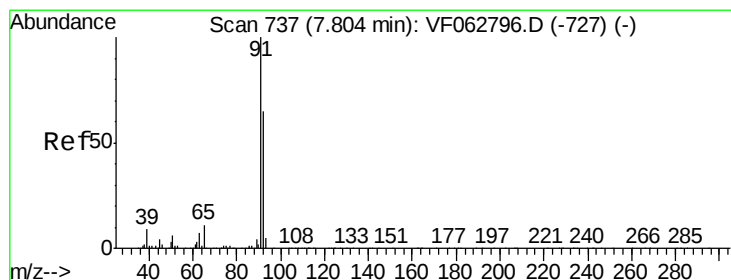
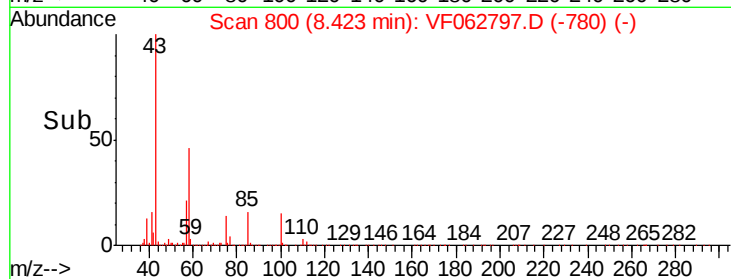
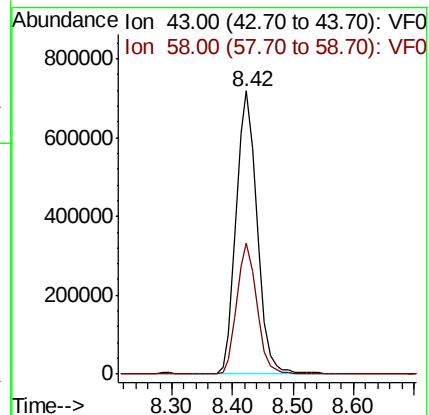
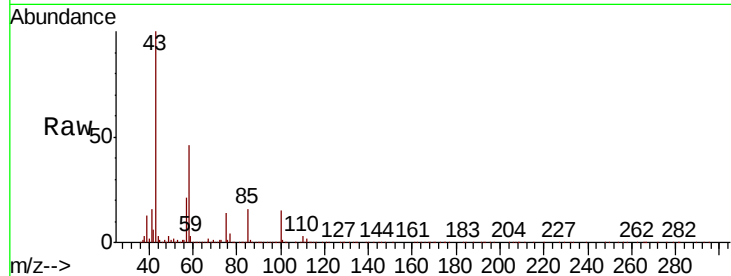
ClientSampleId :

Tot Ion: 43 Resp: 1731244

Ion Ratio Lower Upper

43 100

58 46.3 35.5 53.3



#52

Toluene

Concen: 67.771 ug/l

RT: 7.80 min Scan# 737

Delta R.T. -0.00 min

Lab File: VF062797.D

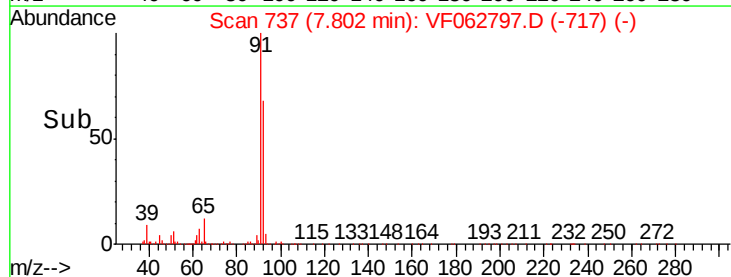
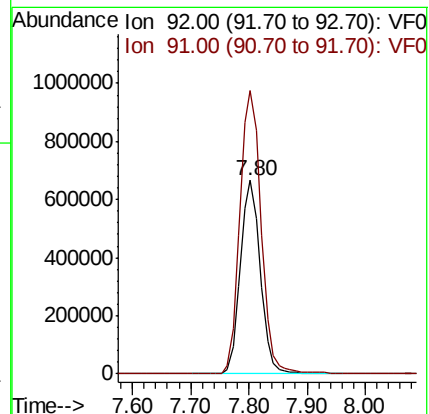
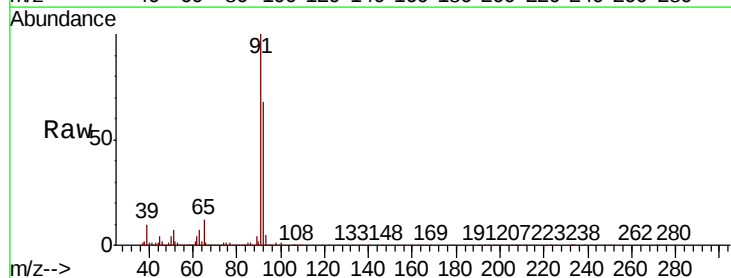
Acq: 30 May 2019 15:59

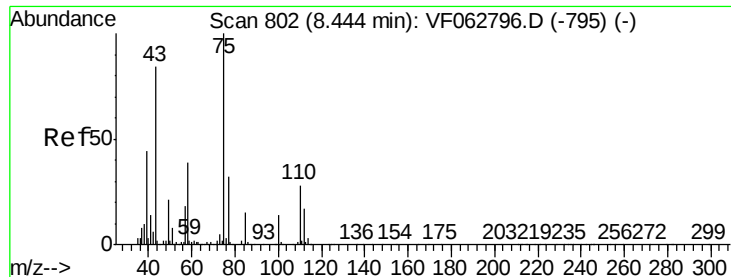
Tgt Ion: 92 Resp: 1594278

Ion Ratio Lower Upper

92 100

91 146.1 123.2 184.8





#53

t-1,3-Dichloropropene

Concen: 69.698 ug/l

RT: 8.44 min Scan# 802

Delta R.T. -0.00 min

Lab File: VF062797.D

Acq: 30 May 2019 15:59

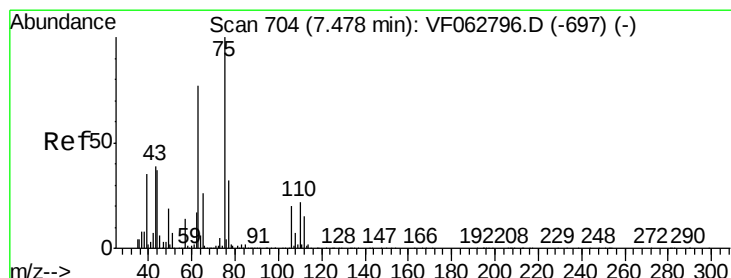
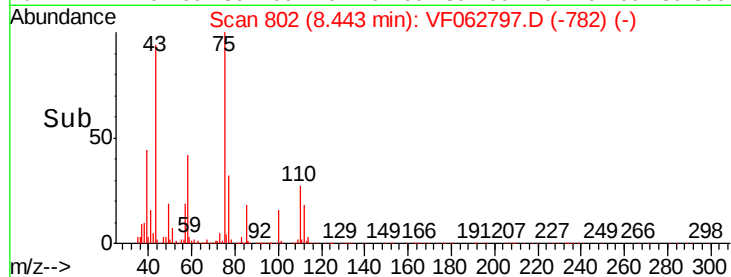
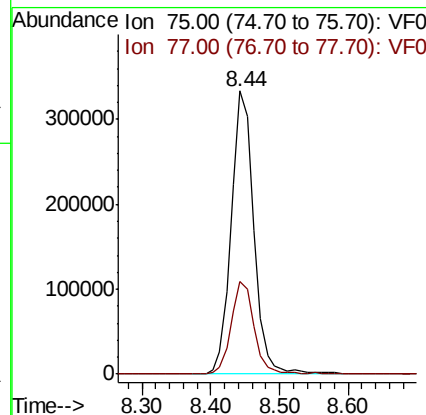
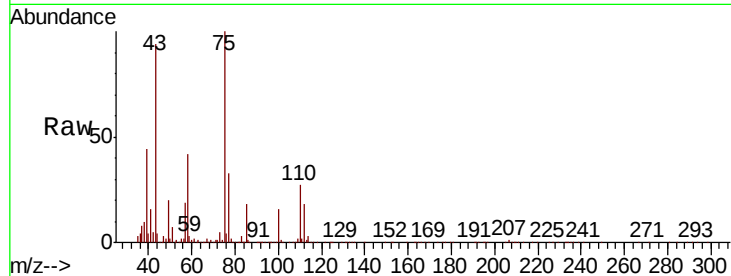
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 75 Resp: 756212

Ion Ratio Lower Upper

75 100

77 32.6 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 69.011 ug/l

RT: 7.48 min Scan# 704

Delta R.T. -0.00 min

Lab File: VF062797.D

Acq: 30 May 2019 15:59

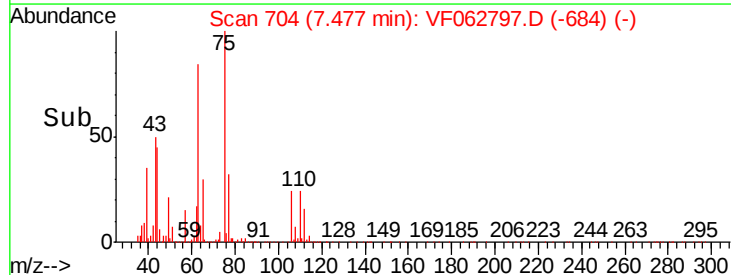
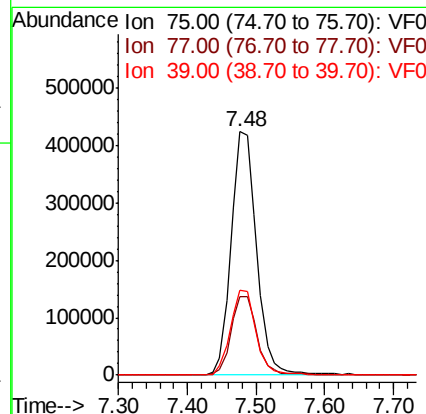
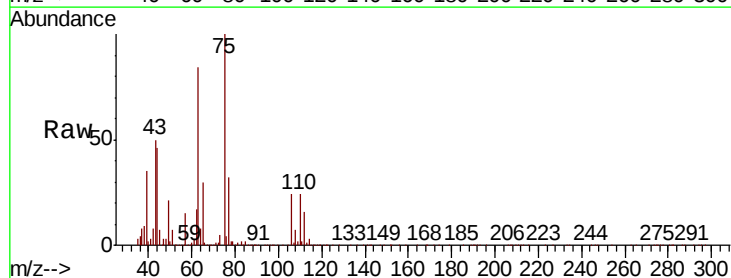
Tgt Ion: 75 Resp: 1083739

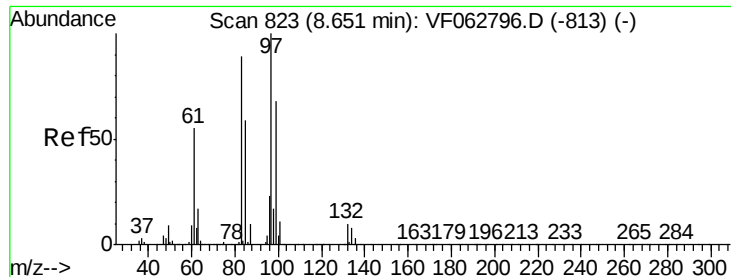
Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.8

39 35.1 28.4 42.6





#55

1,1,2-Trichloroethane

Concen: 68.421 ug/l

RT: 8.66 min Scan# 824

Delta R.T. 0.01 min

Lab File: VF062797.D

Acq: 30 May 2019 15:59

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 97 Resp: 492715

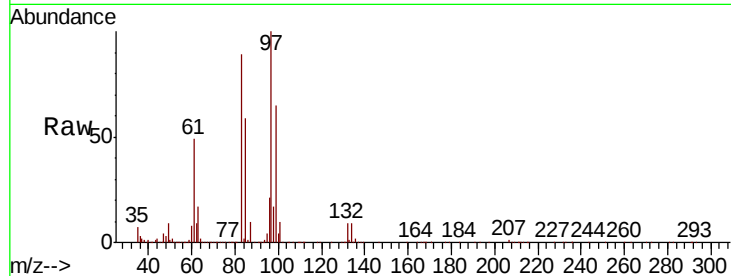
Ion Ratio Lower Upper

97 100

83 89.0 72.0 108.0

85 59.2 47.5 71.3

99 65.0 54.1 81.1

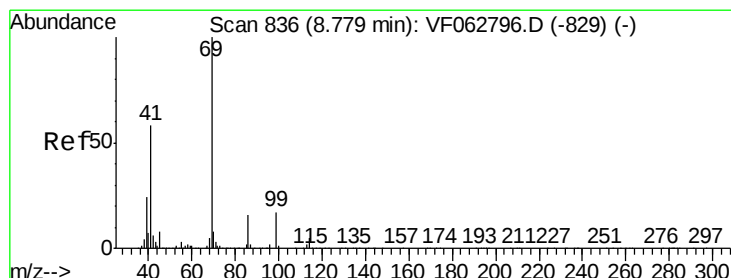
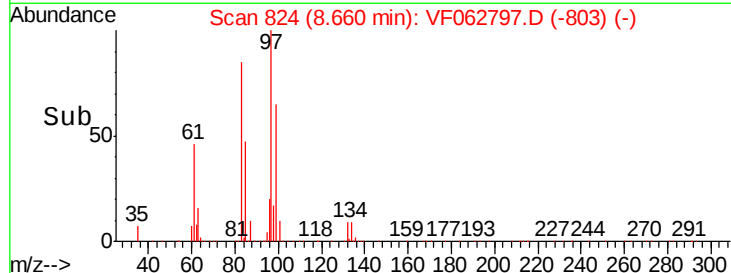
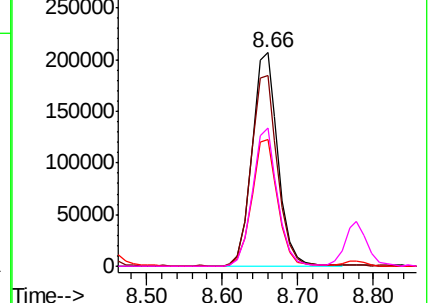


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 73.795 ug/l

RT: 8.78 min Scan# 836

Delta R.T. -0.00 min

Lab File: VF062797.D

Acq: 30 May 2019 15:59

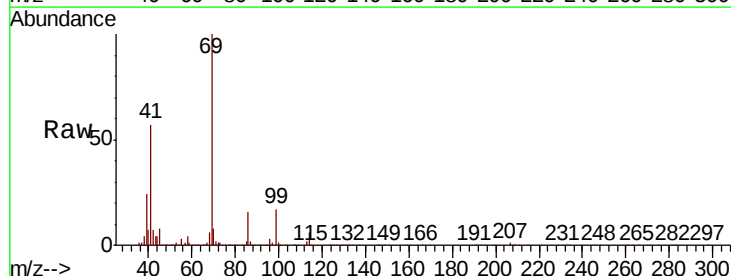
Tgt Ion: 69 Resp: 545129

Ion Ratio Lower Upper

69 100

41 57.2 46.6 69.8

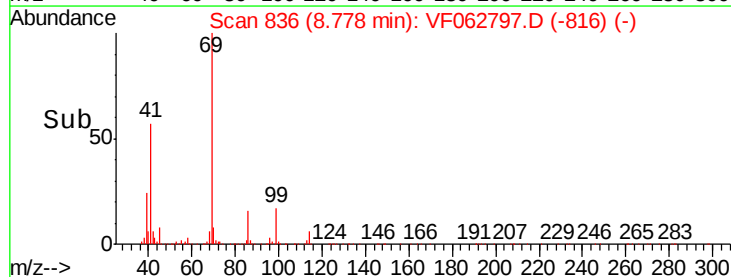
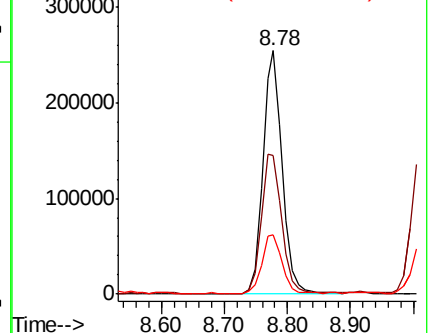
39 24.3 19.6 29.4

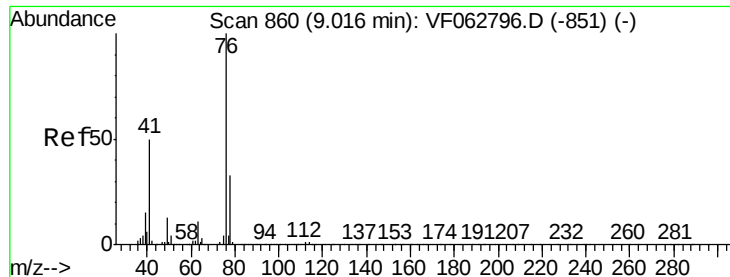


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 68.330 ug/l

RT: 9.01 min Scan# 860

Delta R.T. -0.00 min

Lab File: VF062797.D

Acq: 30 May 2019 15:59

Instrument :

MSVOA_F

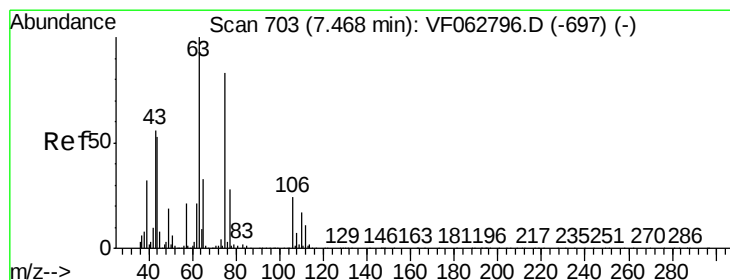
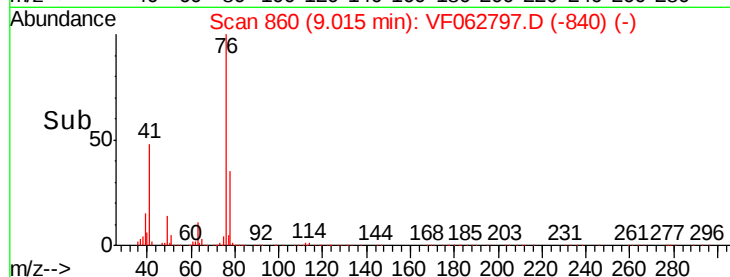
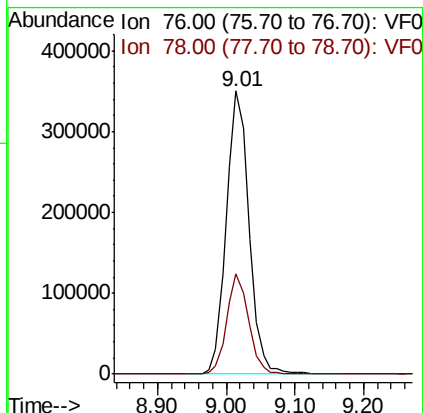
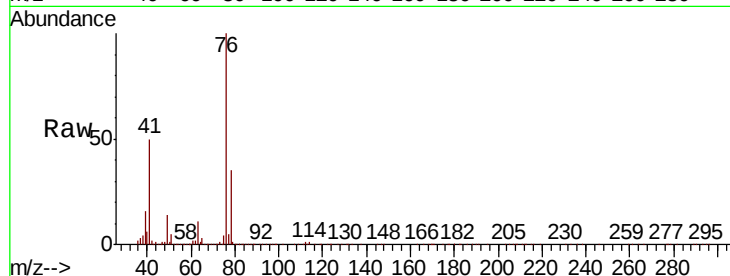
ClientSampleId :

Tot Ion: 76 Resp: 800571

Ion Ratio Lower Upper

76 100

78 35.4 26.8 40.2



#58

2-Chloroethyl Vinyl ether

Concen: 338.631 ug/l

RT: 7.47 min Scan# 703

Delta R.T. -0.00 min

Lab File: VF062797.D

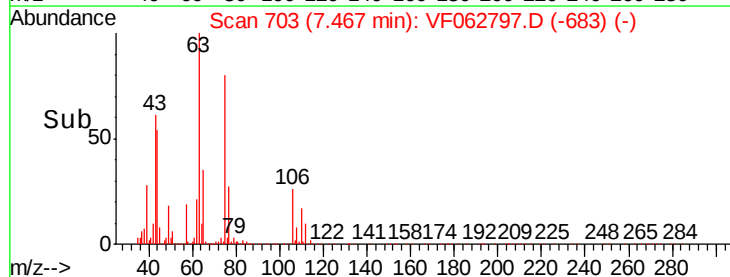
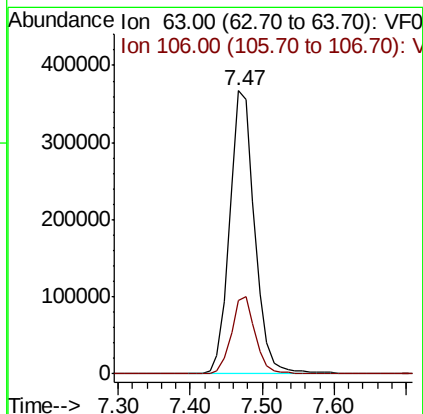
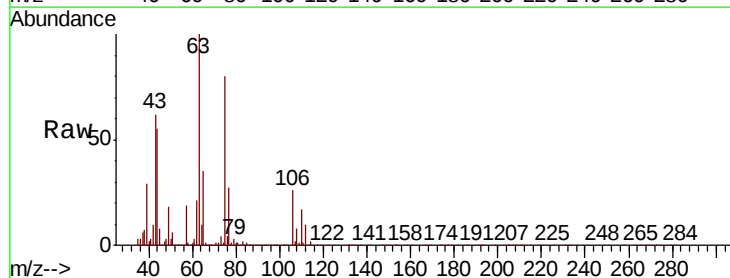
Acq: 30 May 2019 15:59

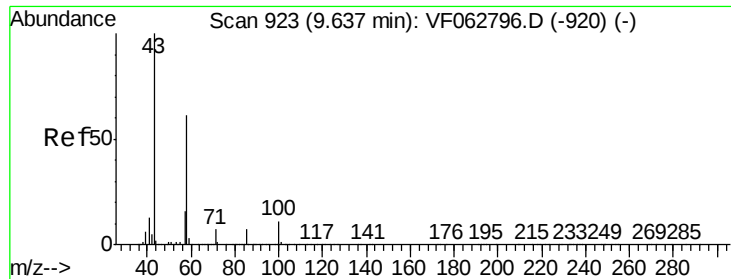
Tgt Ion: 63 Resp: 885894

Ion Ratio Lower Upper

63 100

106 25.9 19.5 29.3

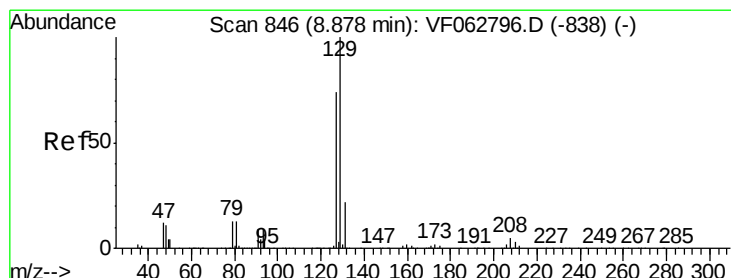
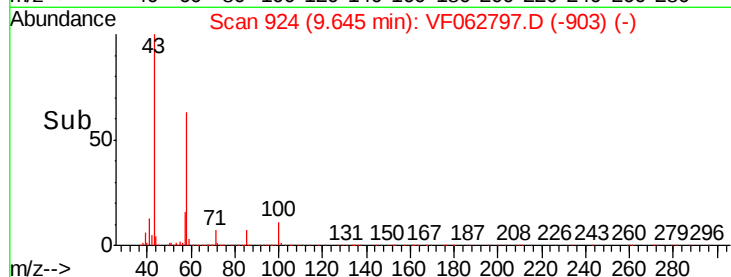
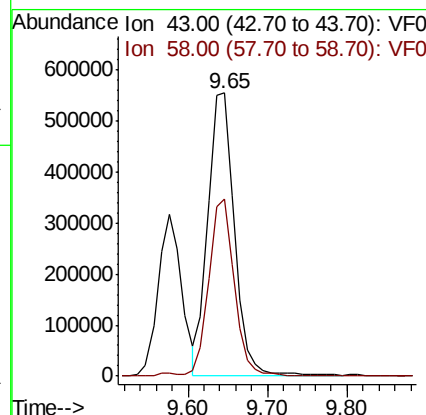
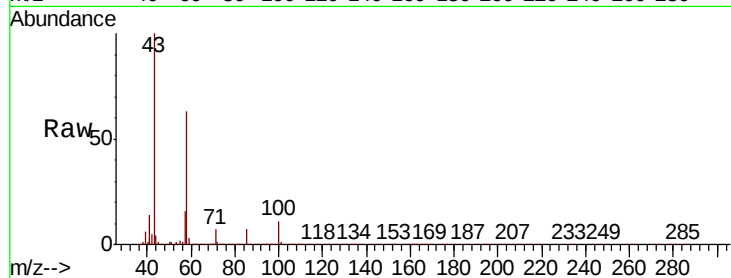




#59
2-Hexanone
Concen: 313.540 ug/l
RT: 9.65 min Scan# 924
Delta R.T. 0.01 min
Lab File: VF062797.D
Acq: 30 May 2019 15:59

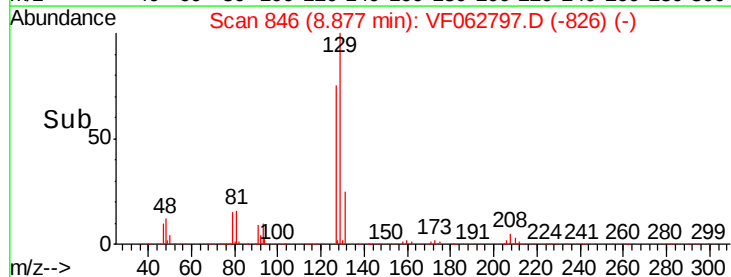
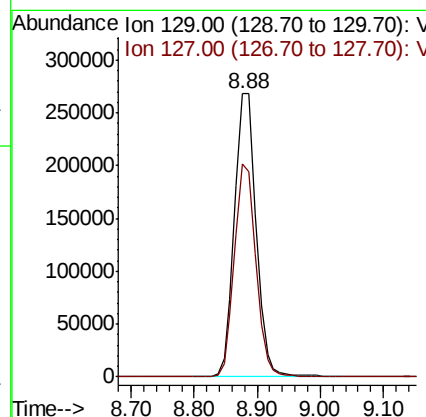
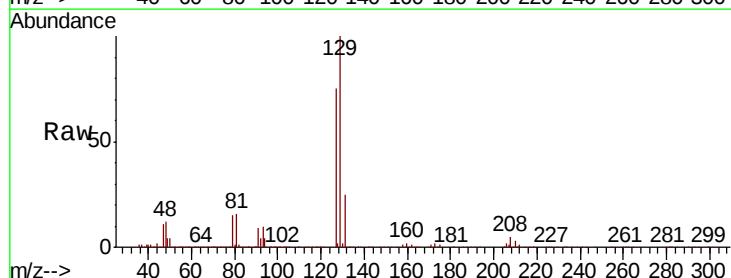
Instrument :
MSVOA_F
ClientSampleId :

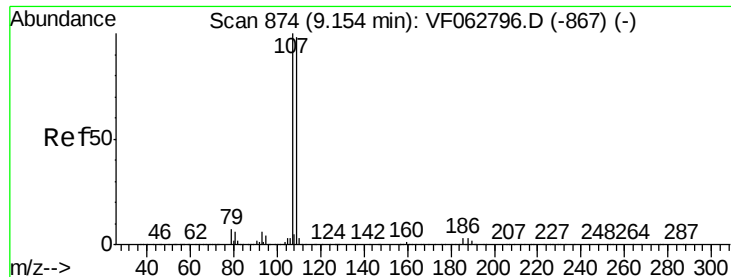
Tot Ion: 43 Resp: 1284037
Ion Ratio Lower Upper
43 100
58 62.7 29.3 87.9



#60
Dibromochloromethane
Concen: 73.259 ug/l
RT: 8.88 min Scan# 846
Delta R.T. -0.00 min
Lab File: VF062797.D
Acq: 30 May 2019 15:59

Tgt Ion: 129 Resp: 636378
Ion Ratio Lower Upper
129 100
127 75.1 37.1 111.3





#61

1,2-Dibromoethane

Concen: 73.521 ug/l

RT: 9.15 min Scan# 874

Delta R.T. -0.00 min

Lab File: VF062797.D

Acq: 30 May 2019 15:59

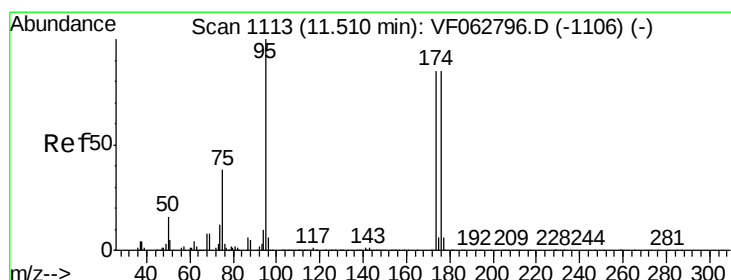
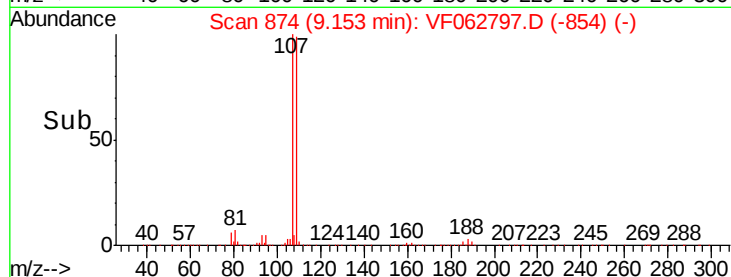
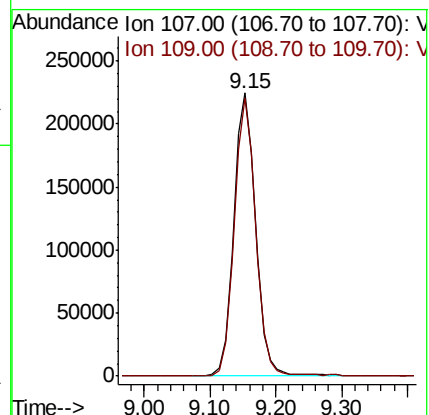
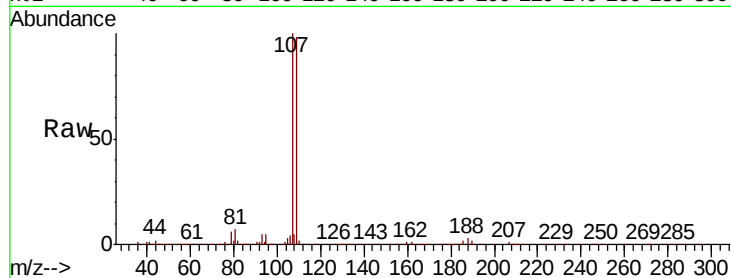
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:107 Resp: 522862

Ion Ratio Lower Upper

107 100

109 98.5 78.1 117.1



#62

4-Bromofluorobenzene

Concen: 70.641 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF062797.D

Acq: 30 May 2019 15:59

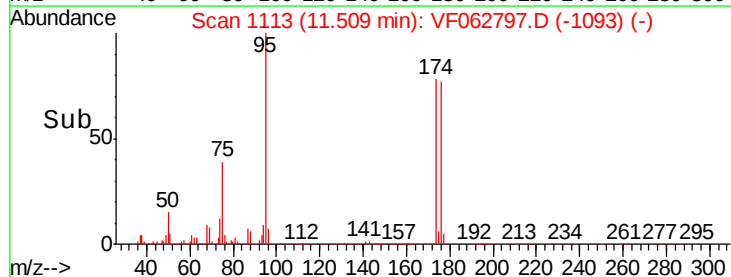
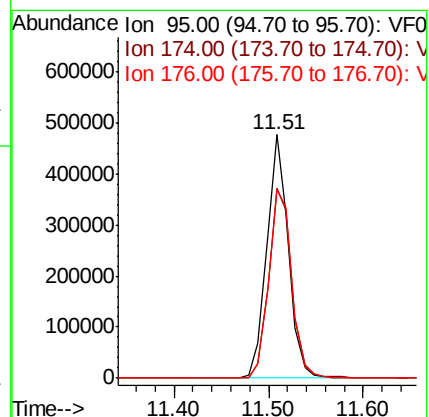
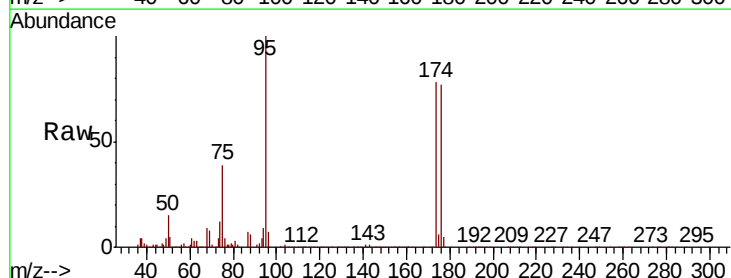
Tgt Ion: 95 Resp: 761267

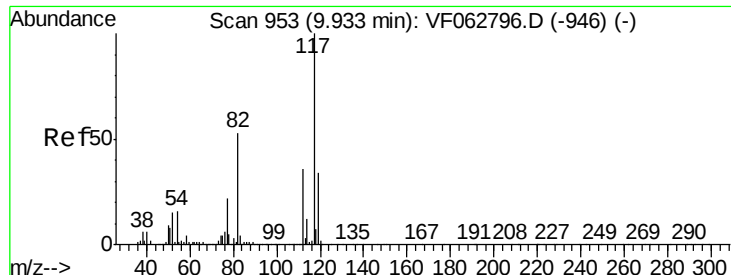
Ion Ratio Lower Upper

95 100

174 78.1 0.0 170.6

176 77.5 0.0 170.6

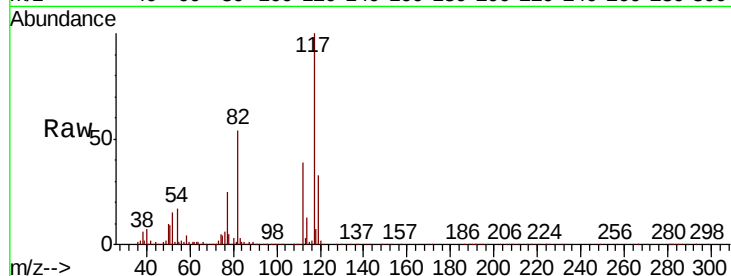




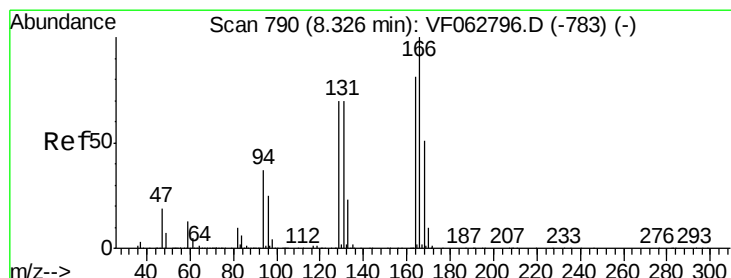
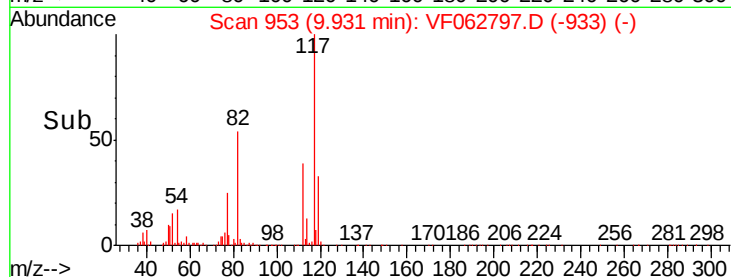
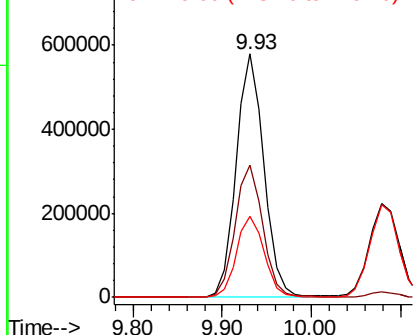
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.00 min
Lab File: VF062797.D
Acq: 30 May 2019 15:59

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 1263713
Ion Ratio Lower Upper
117 100
82 54.1 42.4 63.6
119 33.5 27.1 40.7

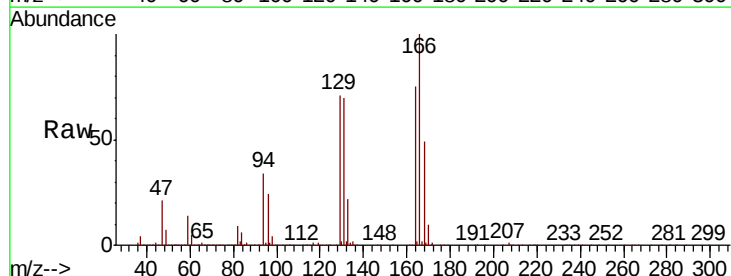


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

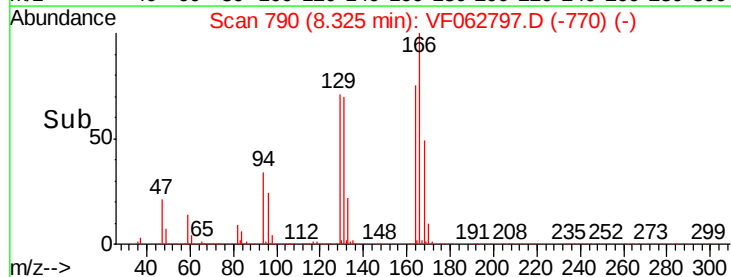
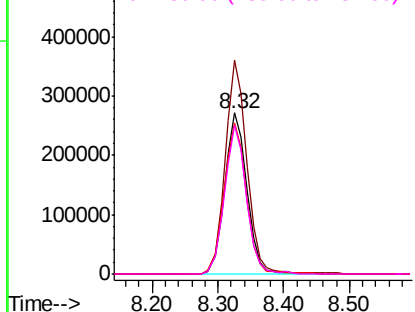


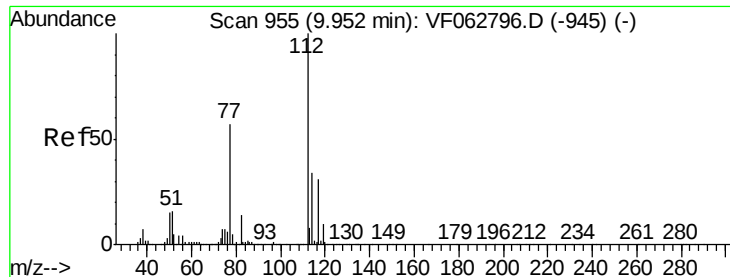
#64
Tetrachloroethene
Concen: 60.810 ug/l
RT: 8.32 min Scan# 790
Delta R.T. -0.00 min
Lab File: VF062797.D
Acq: 30 May 2019 15:59

Tgt Ion:164 Resp: 641198
Ion Ratio Lower Upper
164 100
166 132.9 99.1 148.7
129 93.8 69.5 104.3
131 92.5 69.2 103.8



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 65.215 ug/l

RT: 9.95 min Scan# 955

Delta R.T. -0.00 min

Lab File: VF062797.D

Acq: 30 May 2019 15:59

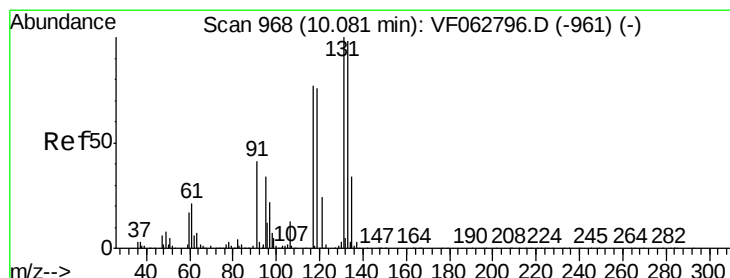
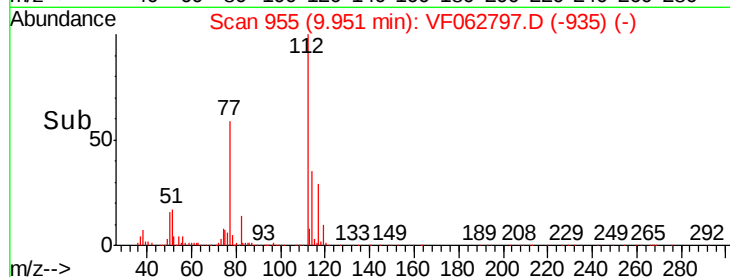
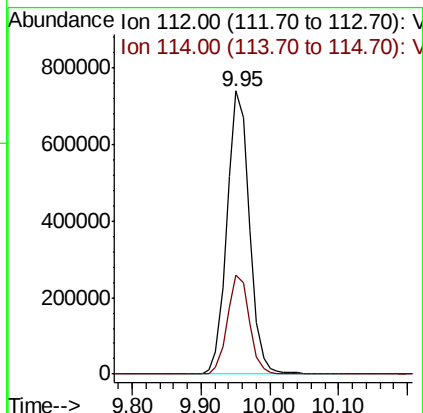
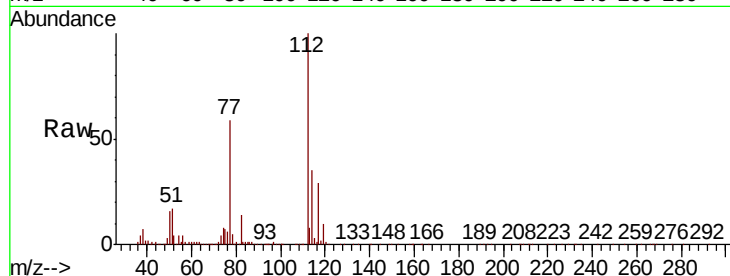
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:112 Resp: 1671144

Ion Ratio Lower Upper

112 100

114 35.0 27.4 41.0



#66

1,1,1,2-Tetrachloroethane

Concen: 67.262 ug/l

RT: 10.08 min Scan# 968

Delta R.T. -0.00 min

Lab File: VF062797.D

Acq: 30 May 2019 15:59

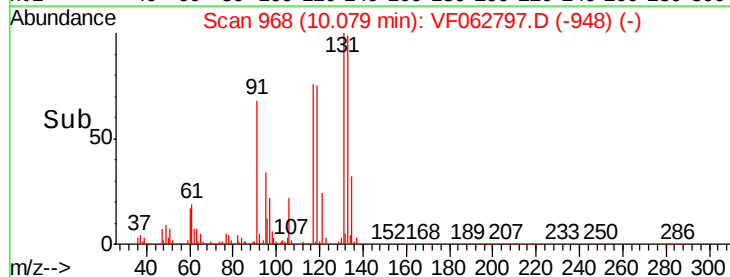
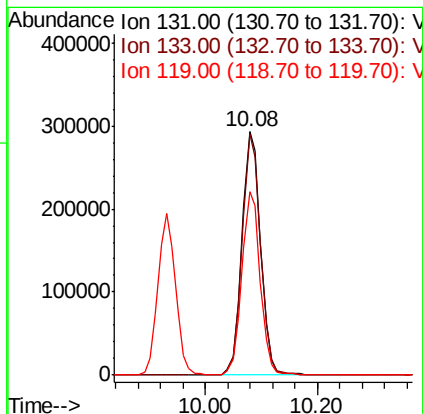
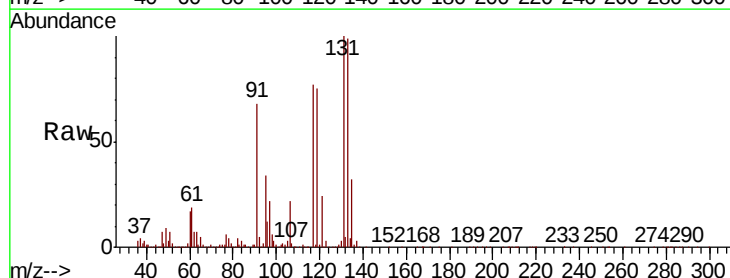
Tgt Ion:131 Resp: 673285

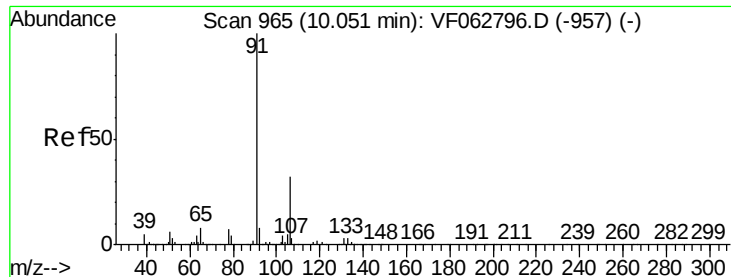
Ion Ratio Lower Upper

131 100

133 99.1 48.9 146.7

119 75.3 38.0 114.0





#67

Ethyl Benzene

Concen: 63.531 ug/l

RT: 10.05 min Scan# 965

Delta R.T. -0.00 min

Lab File: VF062797.D

Acq: 30 May 2019 15:59

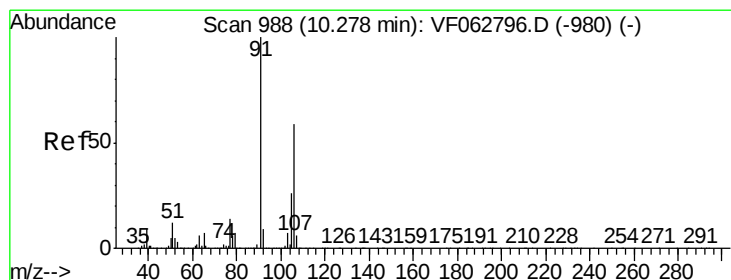
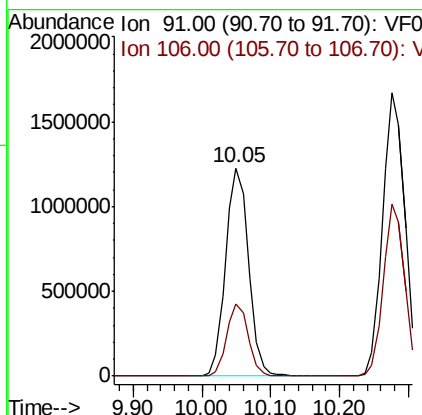
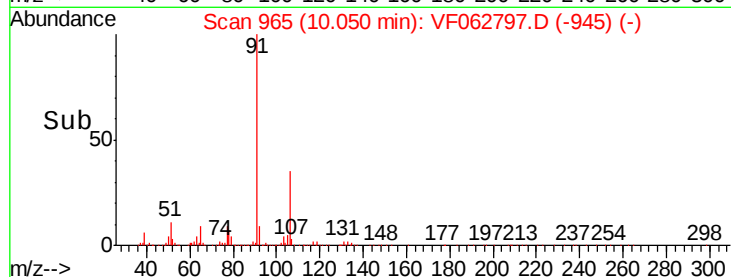
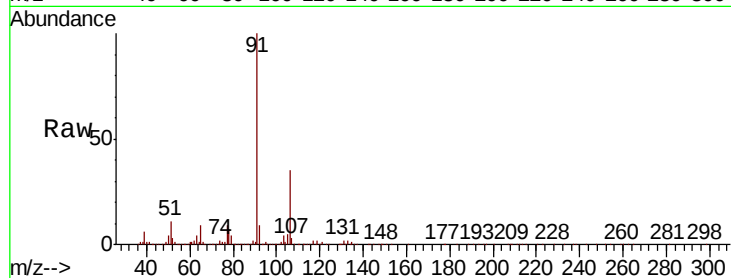
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 91 Resp: 2837649

Ion Ratio Lower Upper

91 100

106 35.0 26.0 39.0



#68

m/p-Xylenes

Concen: 132.323 ug/l

RT: 10.28 min Scan# 988

Delta R.T. -0.00 min

Lab File: VF062797.D

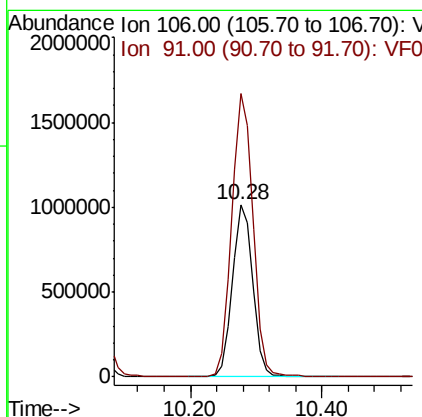
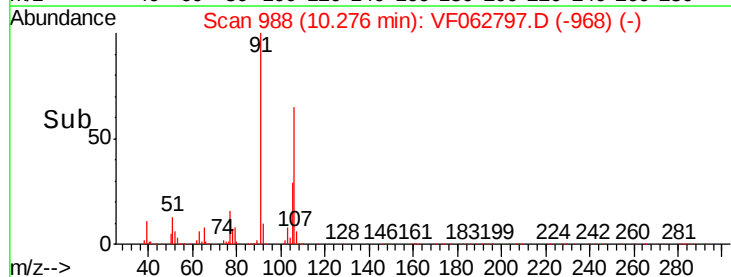
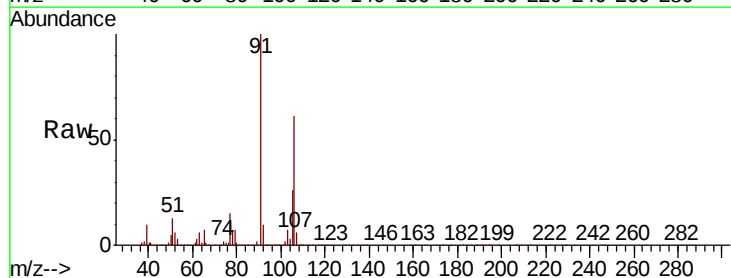
Acq: 30 May 2019 15:59

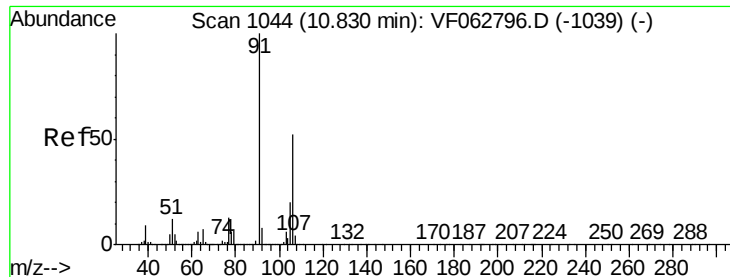
Tgt Ion:106 Resp: 2205089

Ion Ratio Lower Upper

106 100

91 164.0 136.2 204.4

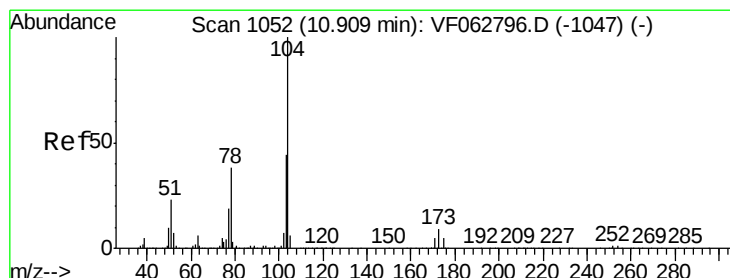
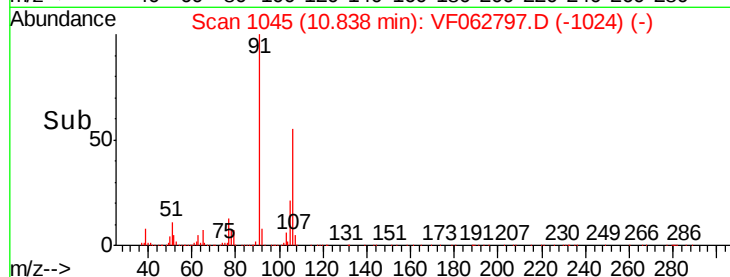
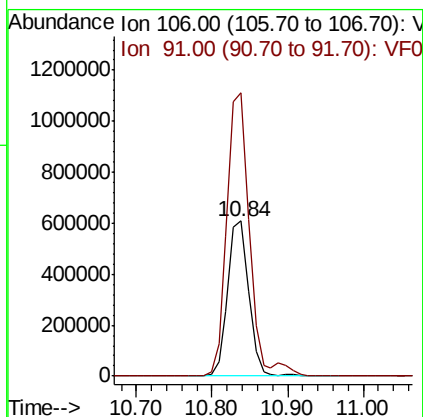
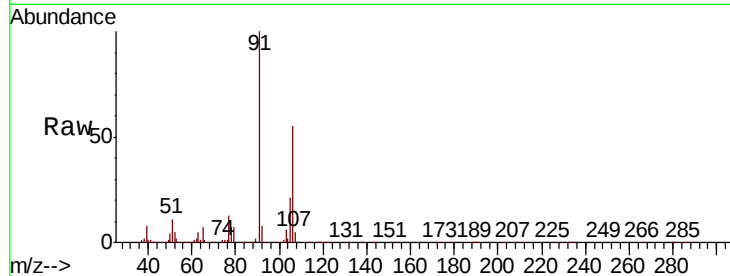




#69
o-Xylene
Concen: 69.655 ug/l
RT: 10.84 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VF062797.D
Acq: 30 May 2019 15:59

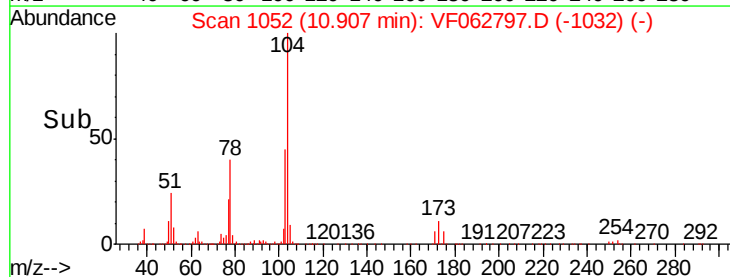
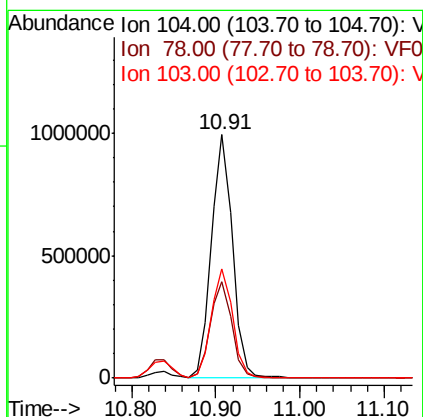
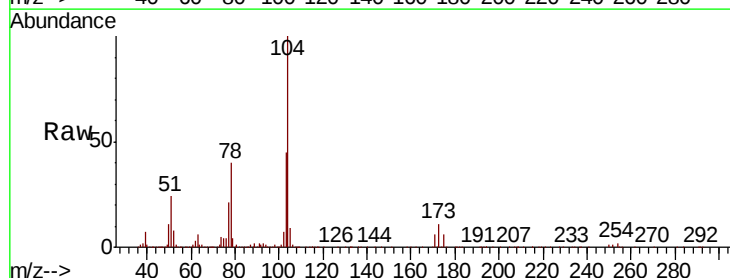
Instrument :
MSVOA_F
ClientSampleId :

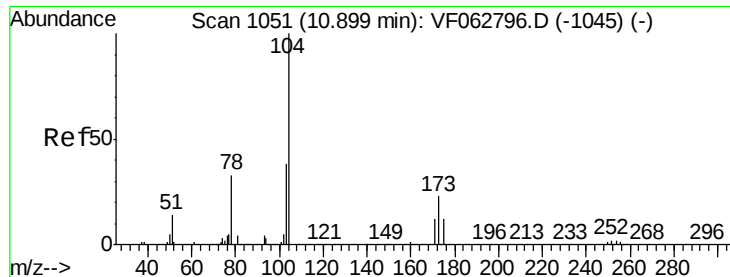
Tot Ion:106 Resp: 1176622
Ion Ratio Lower Upper
106 100
91 182.7 96.6 289.8



#70
Styrene
Concen: 69.809 ug/l
RT: 10.91 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VF062797.D
Acq: 30 May 2019 15:59

Tgt Ion:104 Resp: 1733851
Ion Ratio Lower Upper
104 100
78 39.6 30.8 46.2
103 45.0 35.8 53.6





#71

Bromoform

Concen: 74.237 ug/l

RT: 10.90 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VF062797.D

Acq: 30 May 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

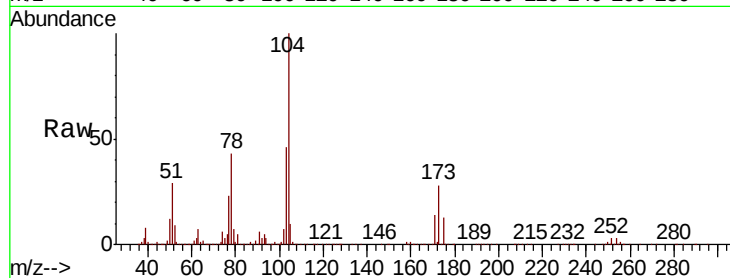
Tot Ion:173 Resp: 361296

Ion Ratio Lower Upper

173 100

175 47.7 24.6 74.0

254 0.1 0.1 0.1

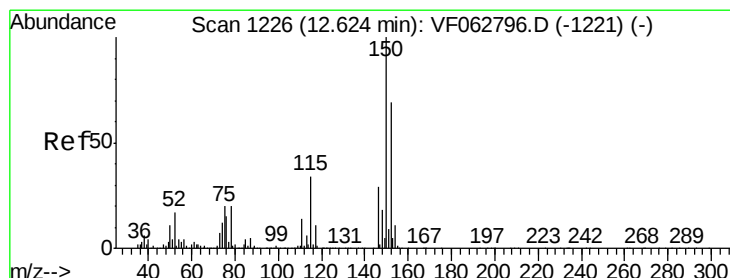
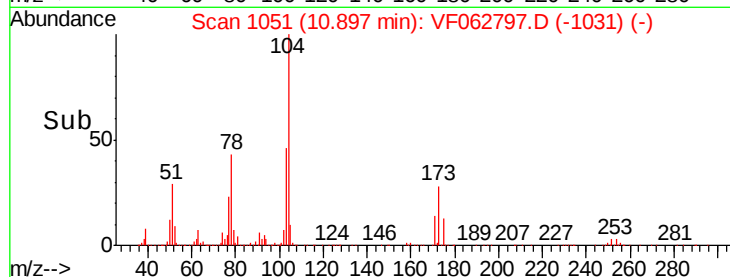
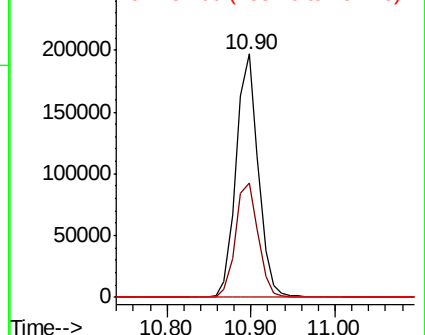


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. -0.00 min

Lab File: VF062797.D

Acq: 30 May 2019 15:59

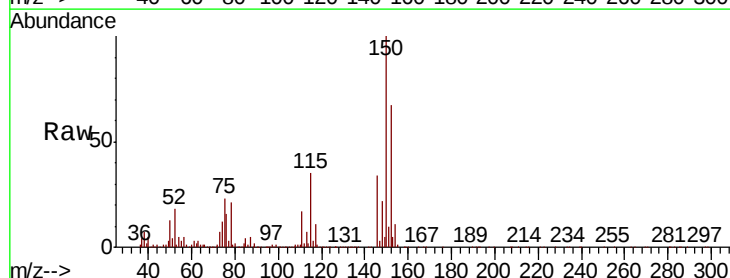
Tgt Ion:152 Resp: 589671

Ion Ratio Lower Upper

152 100

115 51.9 24.6 74.0

150 149.0 0.0 290.6

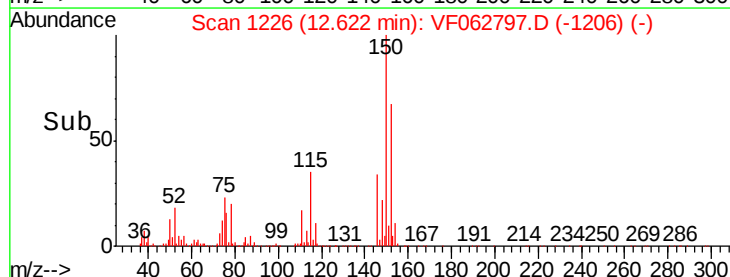
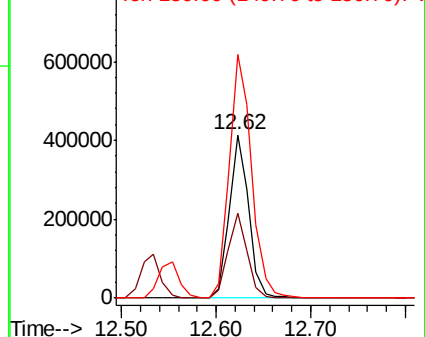


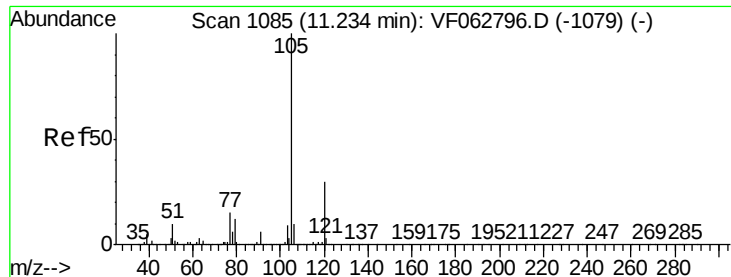
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 62.404 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VF062797.D

Acq: 30 May 2019 15:59

Instrument :

MSVOA_F

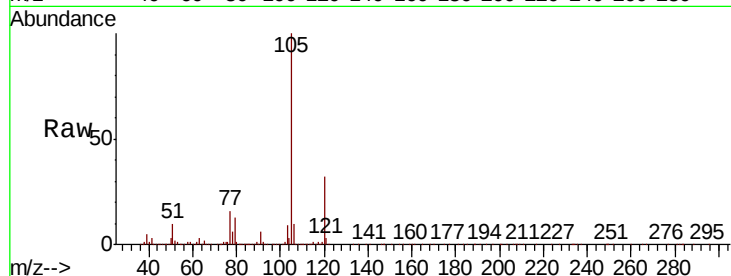
ClientSampleId :

Tot Ion:105 Resp: 2783846

Ion Ratio Lower Upper

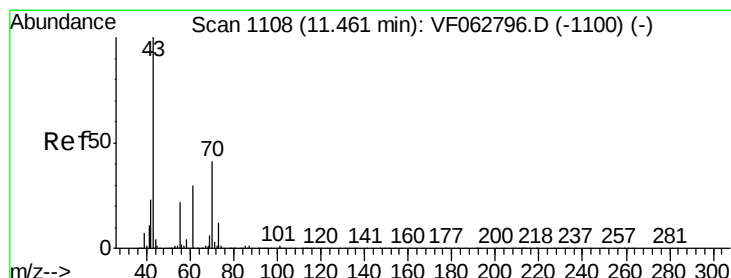
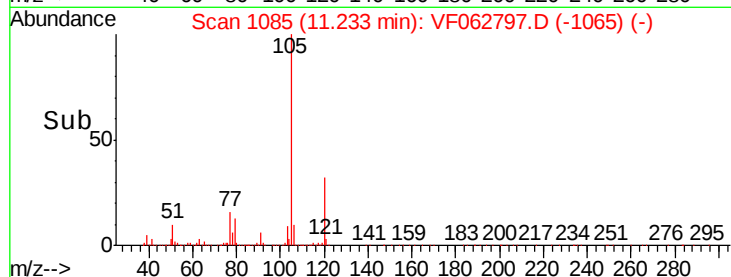
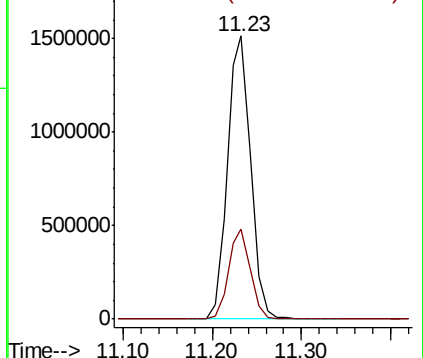
105 100

120 31.9 15.1 45.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 63.799 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF062797.D

Acq: 30 May 2019 15:59

Tgt Ion: 43 Resp: 807420

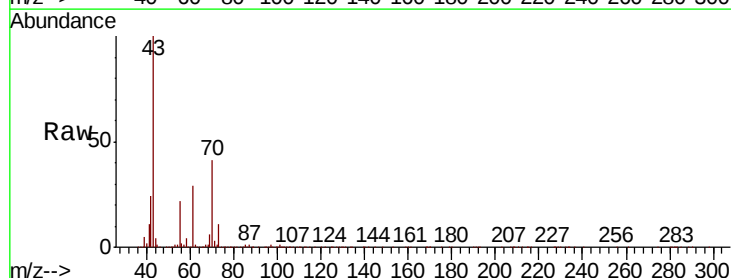
Ion Ratio Lower Upper

43 100

70 41.5 32.9 49.3

55 21.9 17.3 25.9

61 29.2 23.7 35.5

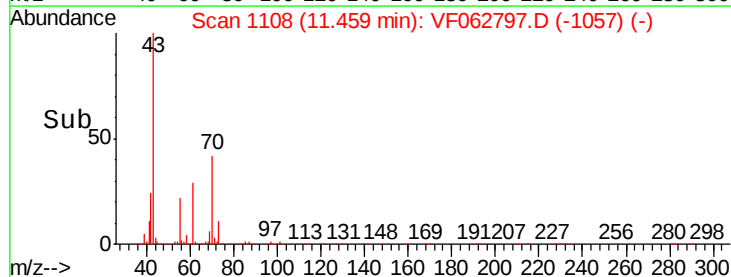
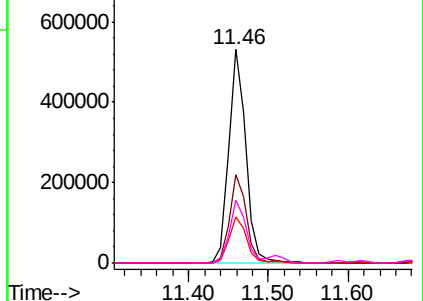


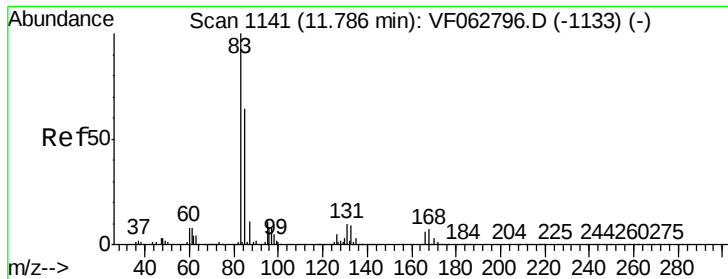
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 62.798 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF062797.D

Acq: 30 May 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

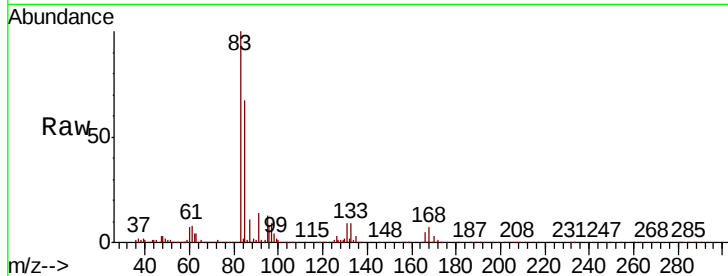
Tot Ion: 83 Resp: 605329

Ion Ratio Lower Upper

83 100

131 9.0 4.9 14.7

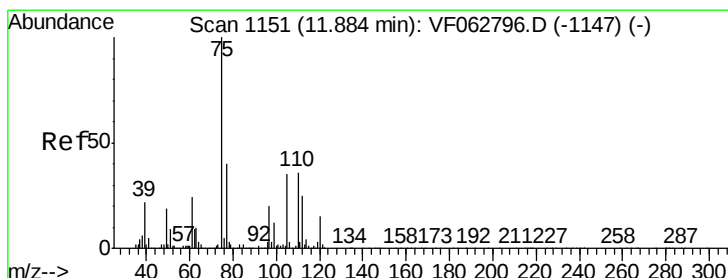
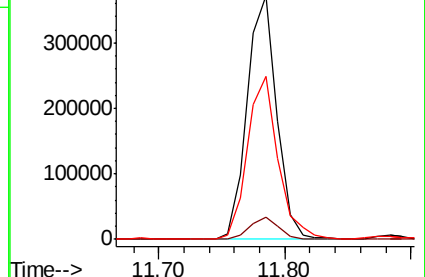
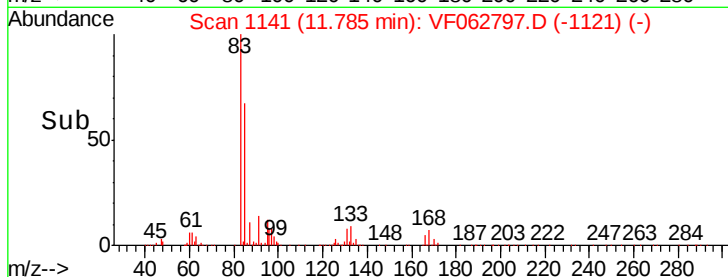
85 66.8 32.1 96.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 64.856 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.00 min

Lab File: VF062797.D

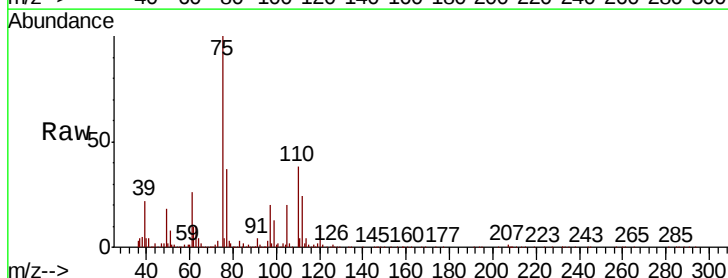
Acq: 30 May 2019 15:59

Tgt Ion: 75 Resp: 402085

Ion Ratio Lower Upper

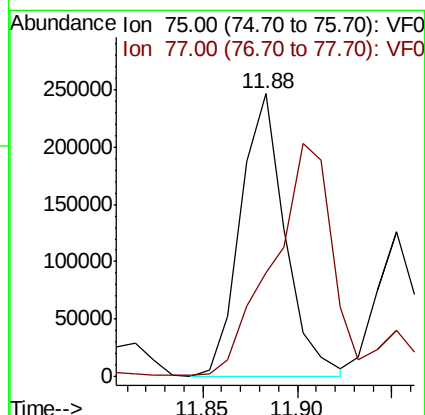
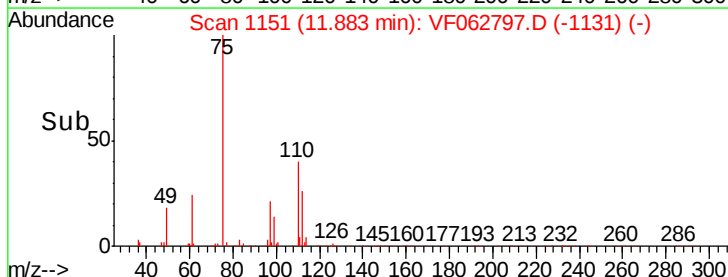
75 100

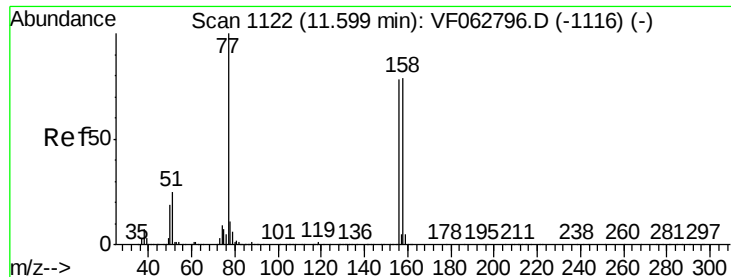
77 36.7 20.1 60.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 69.538 ug/l

RT: 11.60 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF062797.D

Acq: 30 May 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

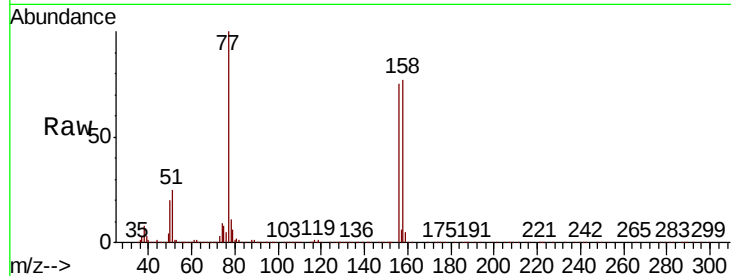
Tot Ion:156 Resp: 759718

Ion Ratio Lower Upper

156 100

77 134.0 64.2 192.6

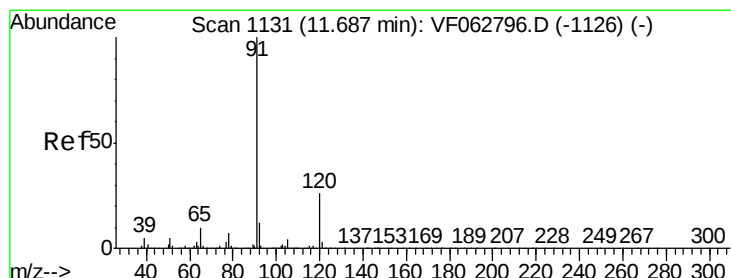
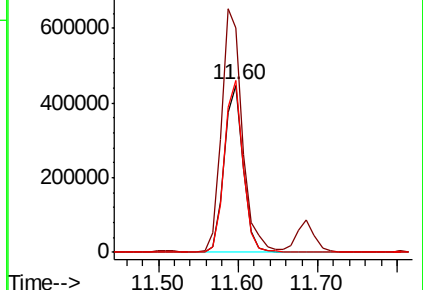
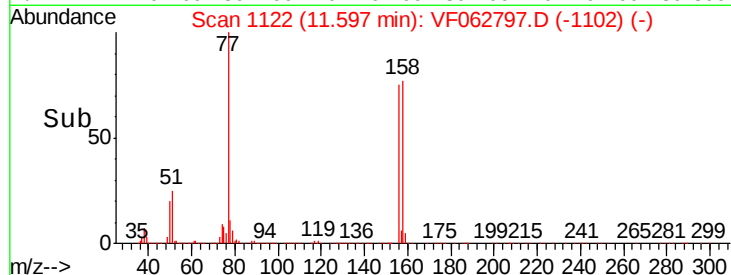
158 102.9 50.3 151.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 60.463 ug/l

RT: 11.69 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF062797.D

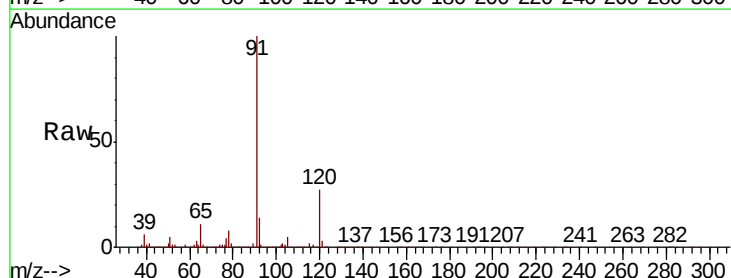
Acq: 30 May 2019 15:59

Tgt Ion: 91 Resp: 3347417

Ion Ratio Lower Upper

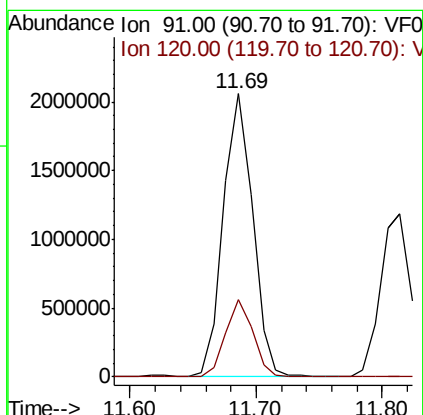
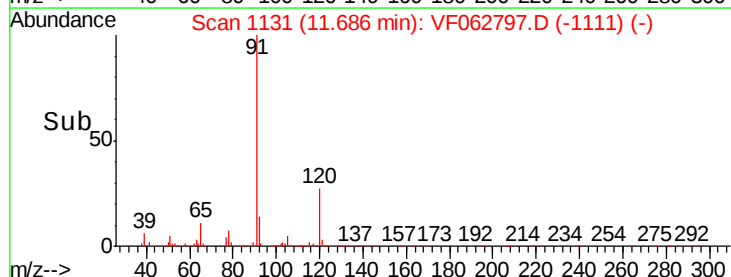
91 100

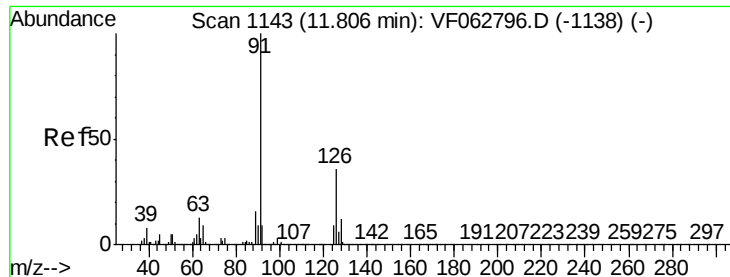
120 27.4 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 65.431 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VF062797.D

Acq: 30 May 2019 15:59

Instrument :

MSVOA_F

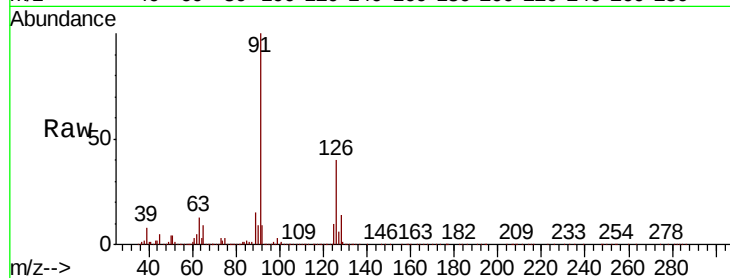
ClientSampleId :

Tot Ion: 91 Resp: 1984264

Ion Ratio Lower Upper

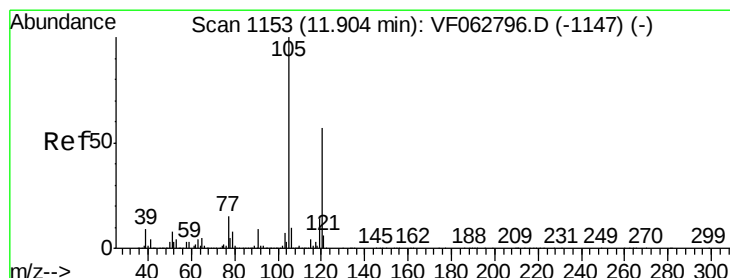
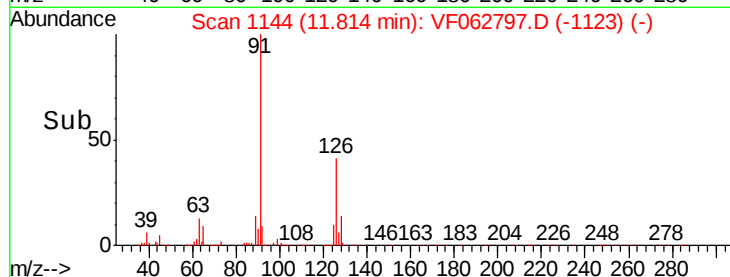
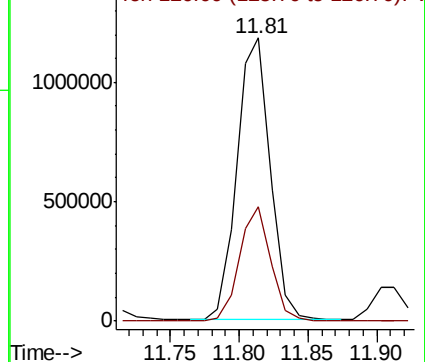
91 100

126 40.5 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 61.583 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.01 min

Lab File: VF062797.D

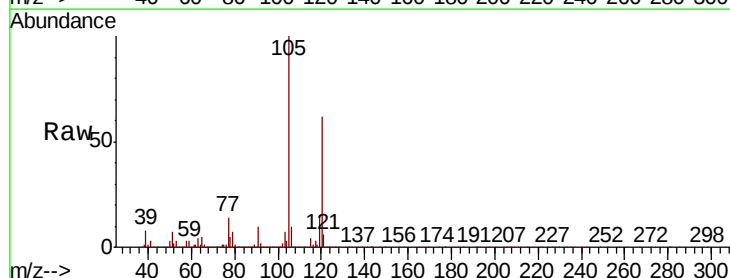
Acq: 30 May 2019 15:59

Tgt Ion:105 Resp: 2239666

Ion Ratio Lower Upper

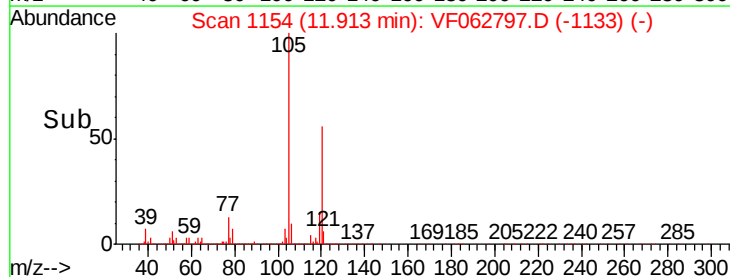
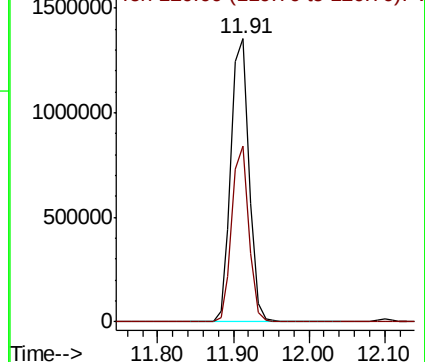
105 100

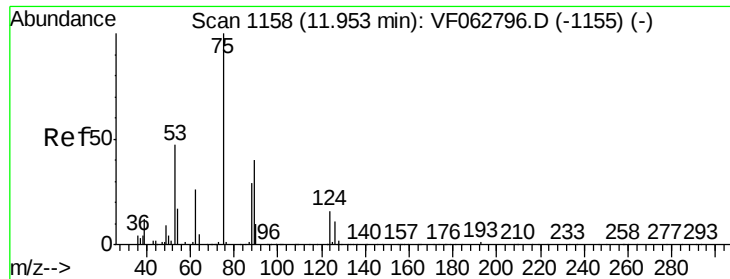
120 62.3 28.7 86.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 73.960 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF062797.D

Acq: 30 May 2019 15:59

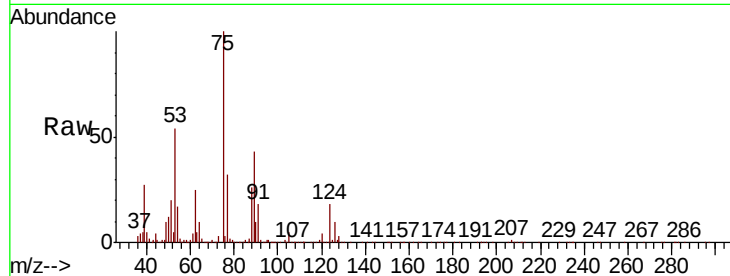
Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 75 Resp: 239453

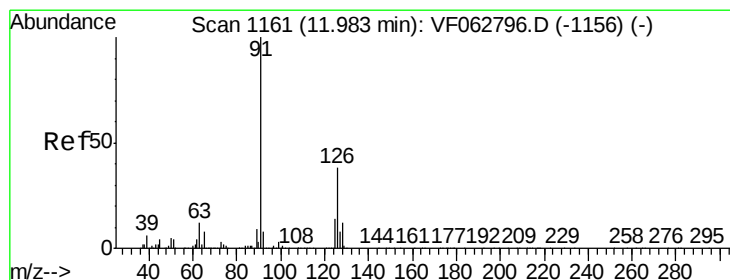
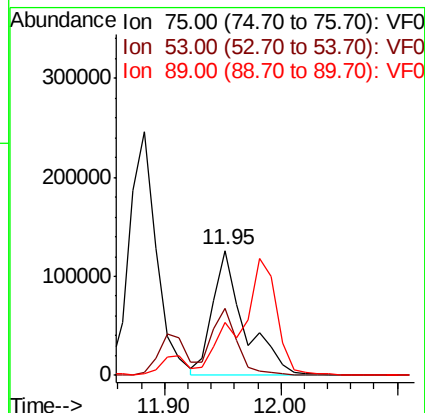
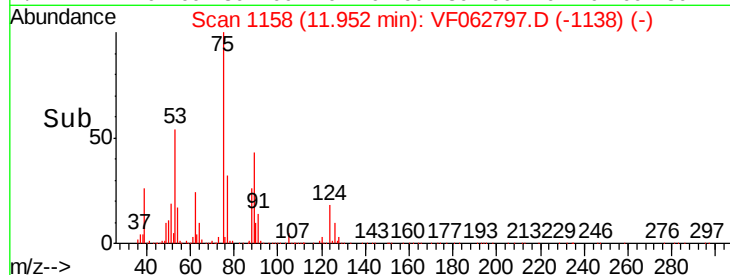
Ion	Ratio	Lower	Upper
75	100		
53	54.1	43.5	65.3
89	42.8	34.3	51.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 64.855 ug/l

RT: 11.98 min Scan# 1161

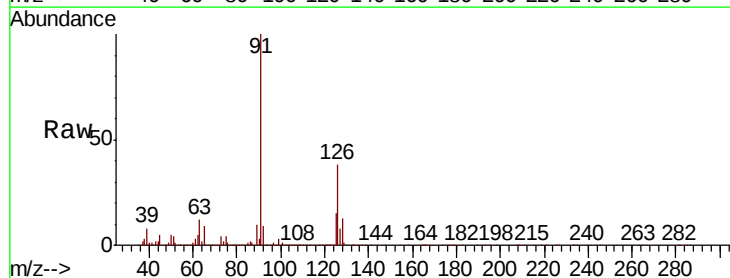
Delta R.T. -0.00 min

Lab File: VF062797.D

Acq: 30 May 2019 15:59

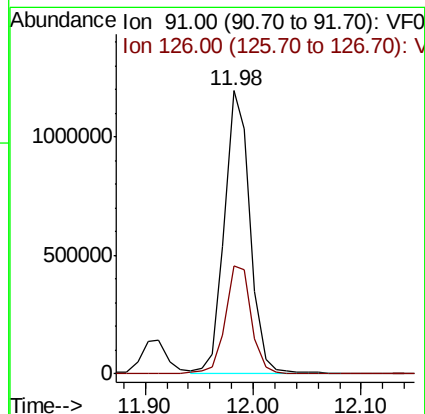
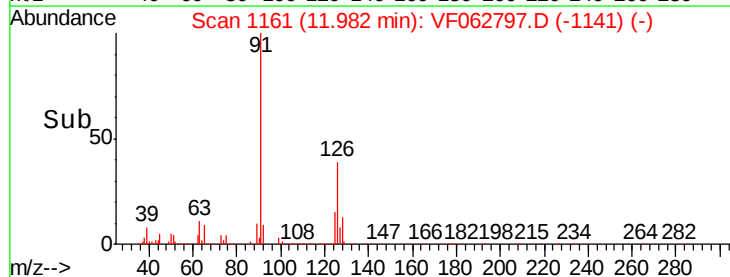
Tgt Ion: 91 Resp: 1949224

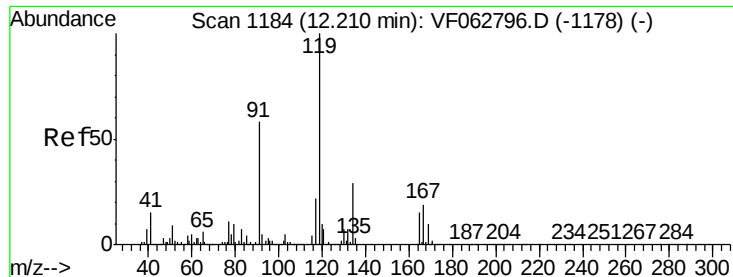
Ion	Ratio	Lower	Upper
91	100		
126	38.0	19.1	57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

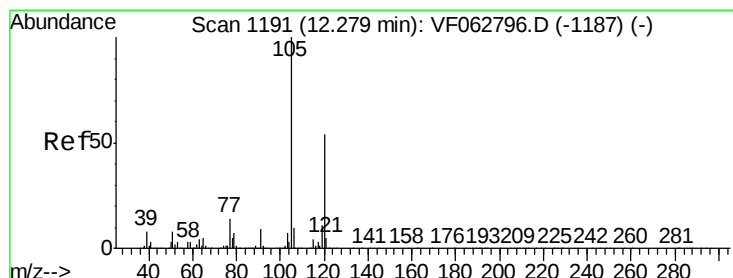
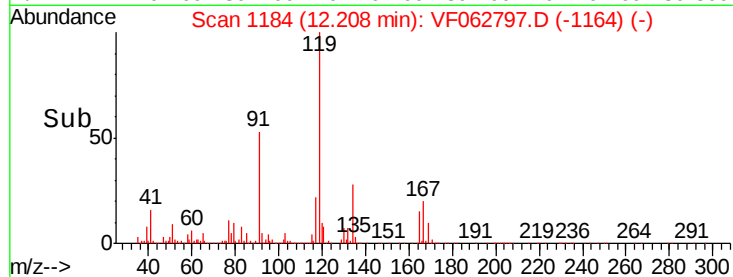
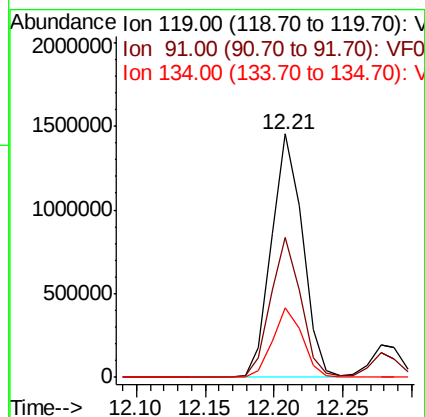
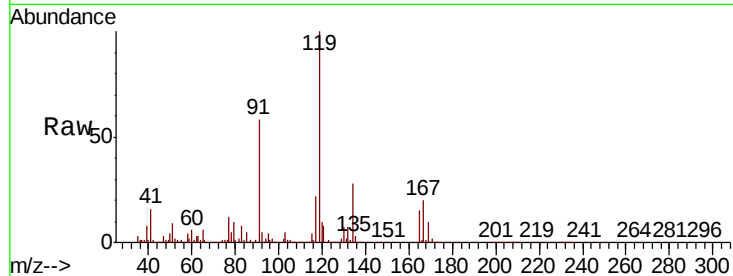




#83
tert-Butylbenzene
Concen: 64.752 ug/l
RT: 12.21 min Scan# 1184
Delta R.T. -0.00 min
Lab File: VF062797.D
Acq: 30 May 2019 15:59

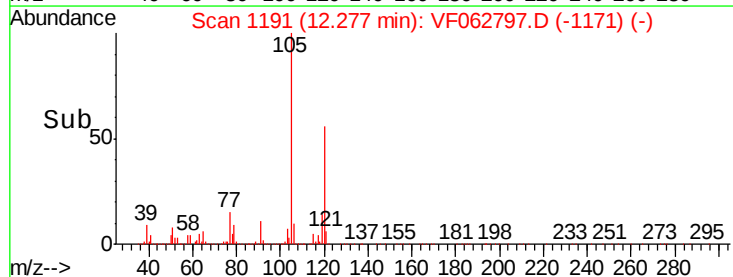
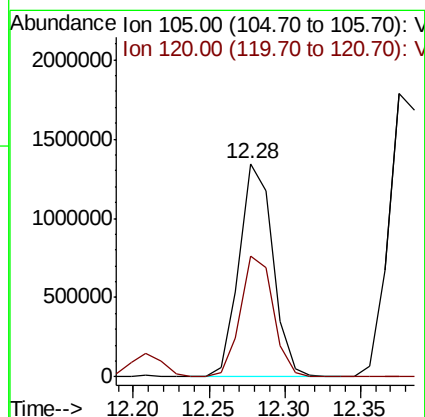
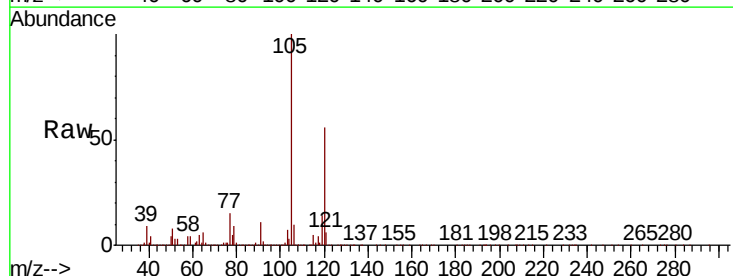
Instrument :
MSVOA_F
ClientSampleId :

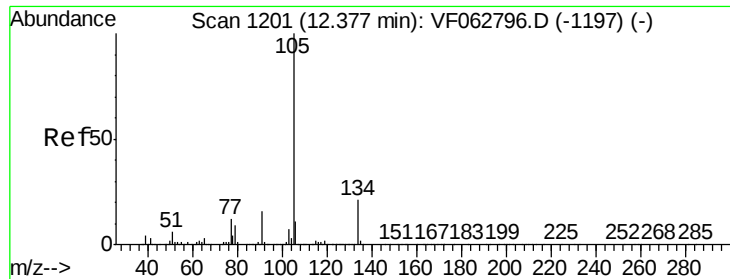
Tot Ion:119 Resp: 2287368
Ion Ratio Lower Upper
119 100
91 57.6 28.9 86.7
134 28.5 14.3 42.9



#84
1,2,4-Trimethylbenzene
Concen: 60.360 ug/l
RT: 12.28 min Scan# 1191
Delta R.T. -0.00 min
Lab File: VF062797.D
Acq: 30 May 2019 15:59

Tgt Ion:105 Resp: 2095327
Ion Ratio Lower Upper
105 100
120 56.4 27.1 81.3





#85

sec-Butylbenzene

Concen: 61.014 ug/l

RT: 12.38 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VF062797.D

Acq: 30 May 2019 15:59

Instrument :

MSVOA_F

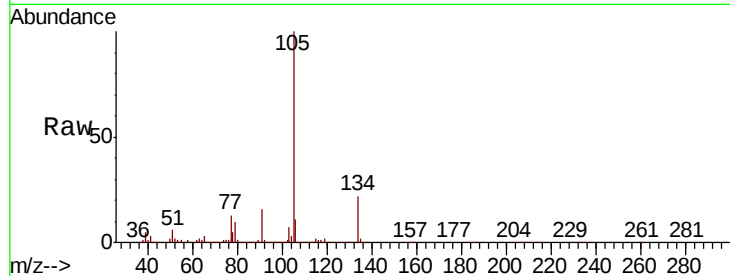
ClientSampled :

Tot Ion:105 Resp: 2945131

Ion Ratio Lower Upper

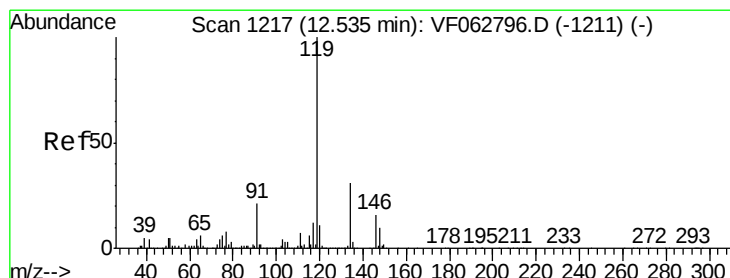
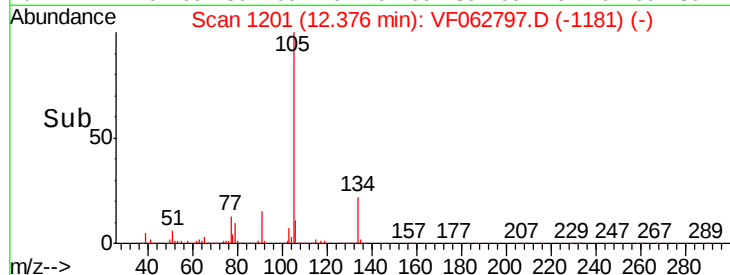
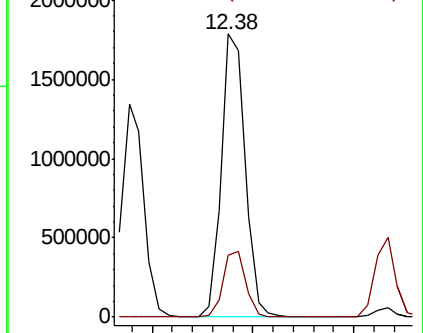
105 100

134 21.8 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 60.724 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VF062797.D

Acq: 30 May 2019 15:59

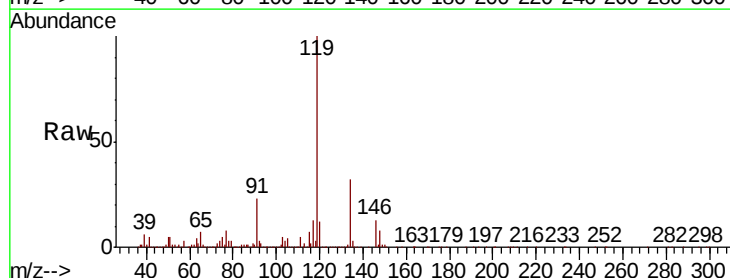
Tgt Ion:119 Resp: 2411360

Ion Ratio Lower Upper

119 100

134 31.7 15.5 46.5

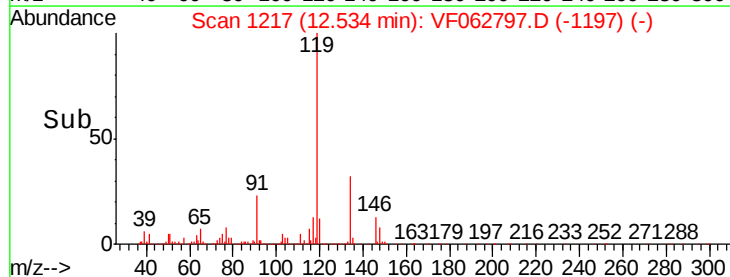
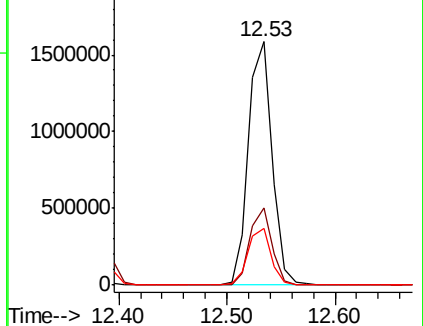
91 23.1 10.3 30.9

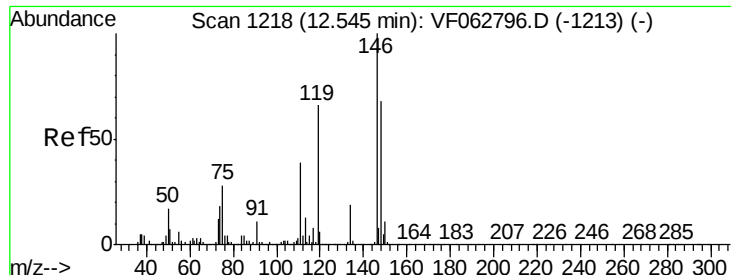


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

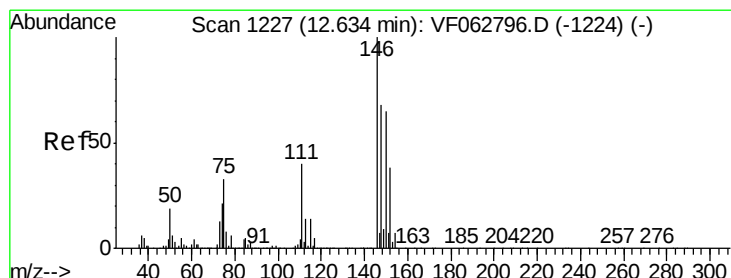
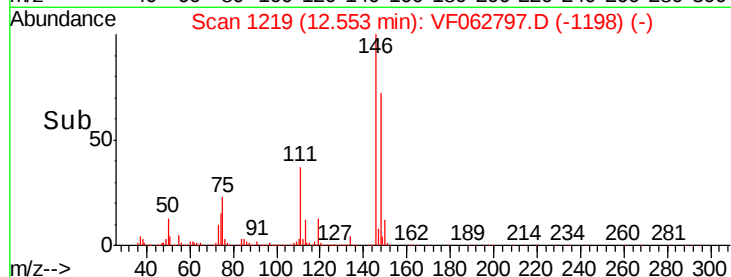
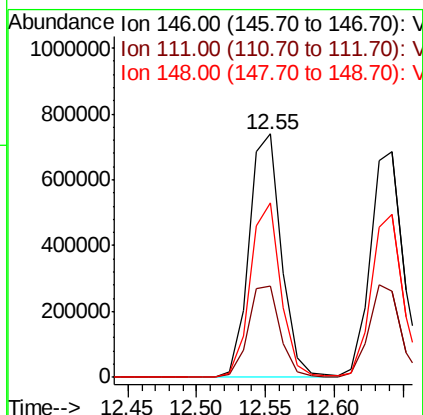
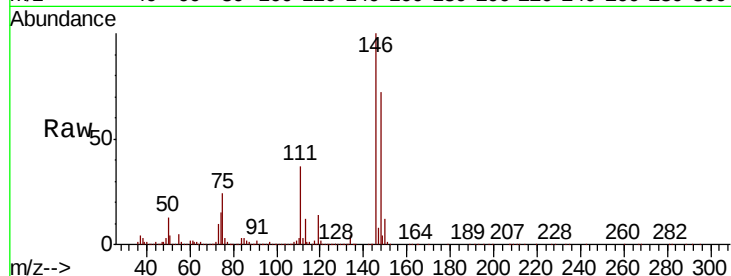




#87
 1,3-Dichlorobenzene
 Concen: 61.701 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VF062797.D
 Acq: 30 May 2019 15:59

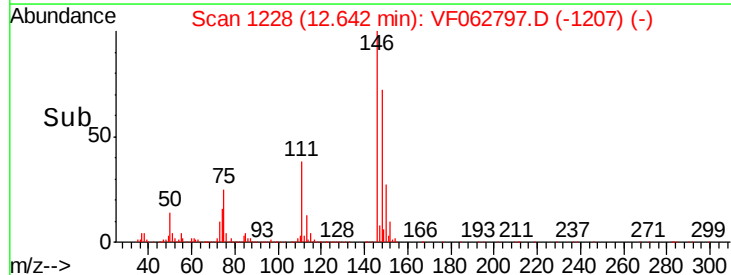
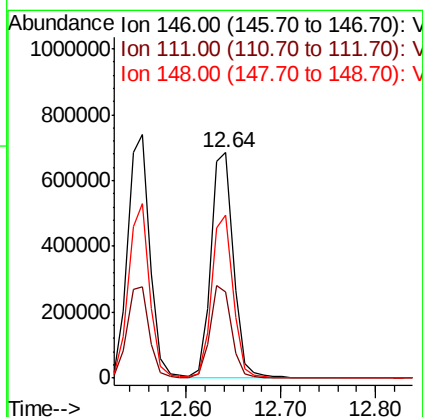
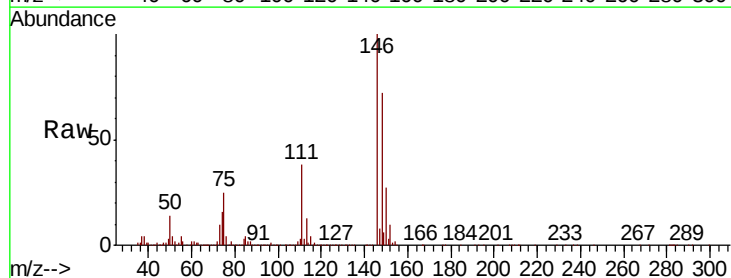
Instrument :
 MSVOA_F
 ClientSampleId :

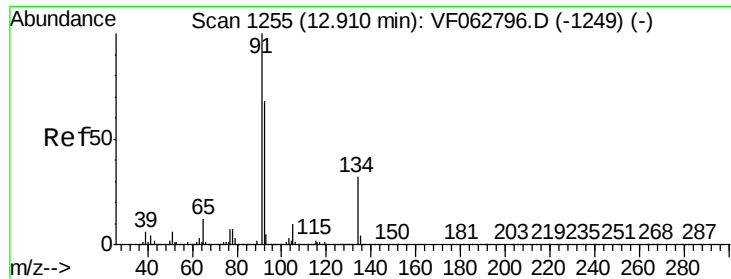
Tot Ion:146 Resp: 1210348
 Ion Ratio Lower Upper
 146 100
 111 37.4 19.6 58.8
 148 71.6 34.2 102.5



#88
 1,4-Dichlorobenzene
 Concen: 62.136 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VF062797.D
 Acq: 30 May 2019 15:59

Tgt Ion:146 Resp: 1136380
 Ion Ratio Lower Upper
 146 100
 111 38.0 20.3 60.9
 148 72.5 34.0 101.8





#89

n-Butylbenzene

Concen: 57.345 ug/l

RT: 12.91 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VF062797.D

Acq: 30 May 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

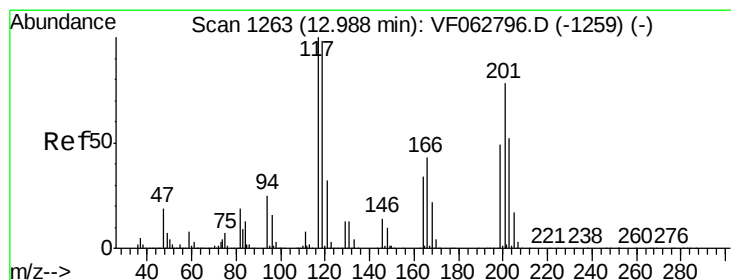
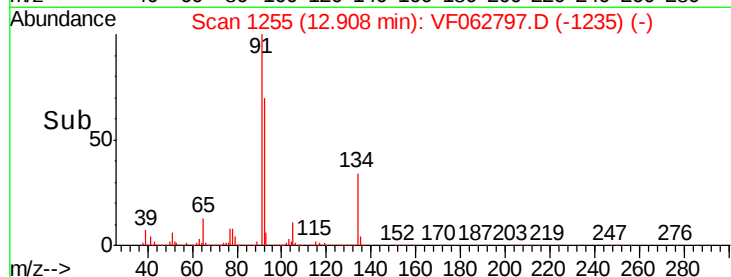
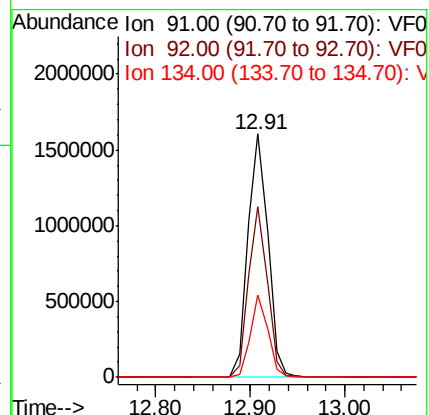
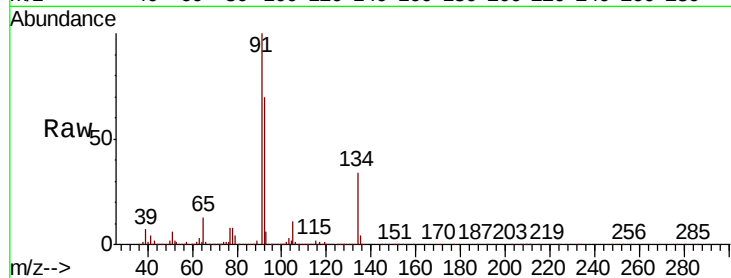
Tot Ion: 91 Resp: 2347328

Ion Ratio Lower Upper

91 100

92 70.0 34.2 102.6

134 33.6 15.8 47.3



#90

Hexachloroethane

Concen: 67.501 ug/l

RT: 12.99 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VF062797.D

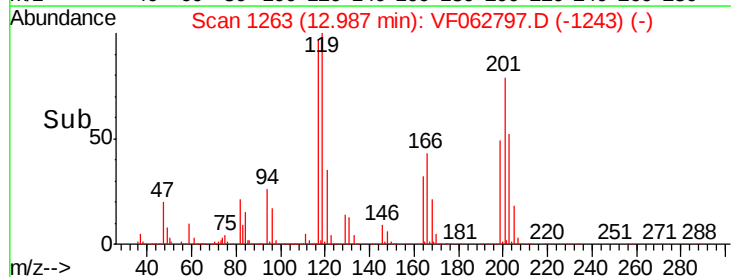
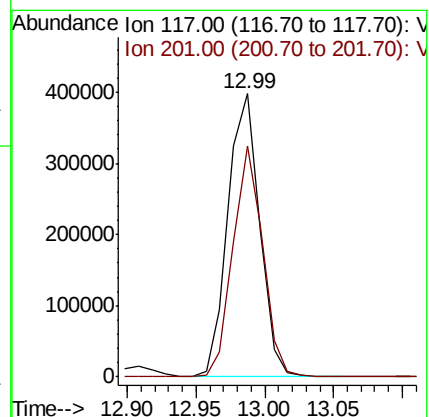
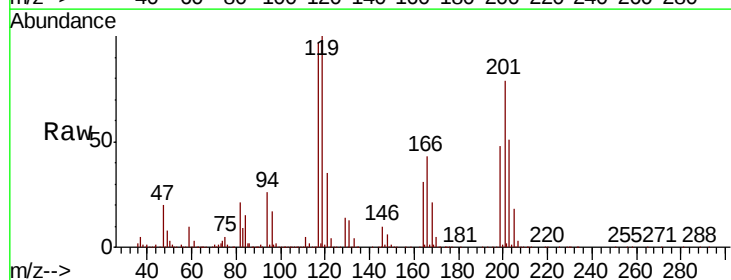
Acq: 30 May 2019 15:59

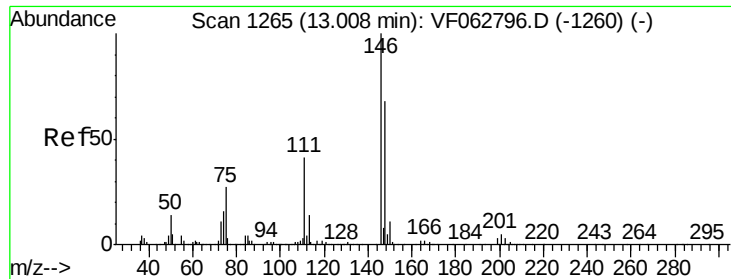
Tgt Ion: 117 Resp: 636446

Ion Ratio Lower Upper

117 100

201 81.4 38.9 116.7





#91

1,2-Dichlorobenzene

Concen: 63.794 ug/l

RT: 13.01 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VF062797.D

Acq: 30 May 2019 15:59

Instrument :

MSVOA_F

ClientSampled :

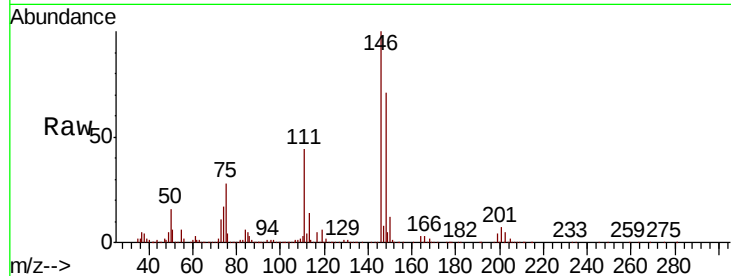
Tot Ion:146 Resp: 1098744

Ion Ratio Lower Upper

146 100

111 43.7 20.4 61.3

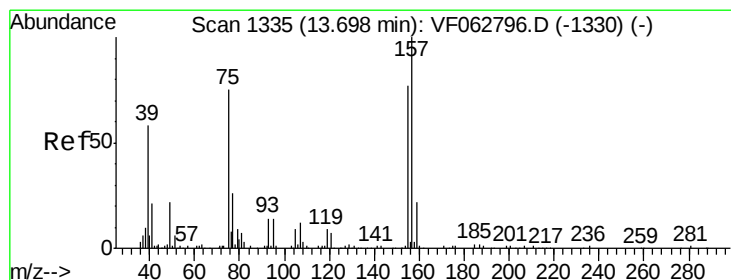
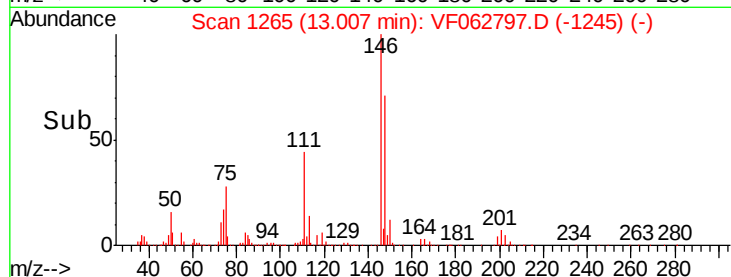
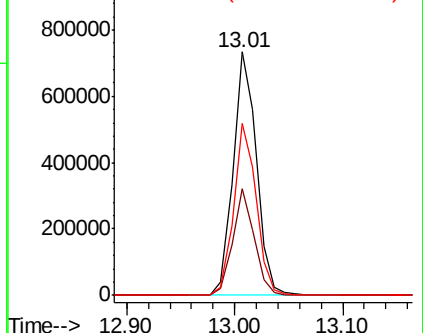
148 70.7 34.1 102.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 67.346 ug/l

RT: 13.70 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VF062797.D

Acq: 30 May 2019 15:59

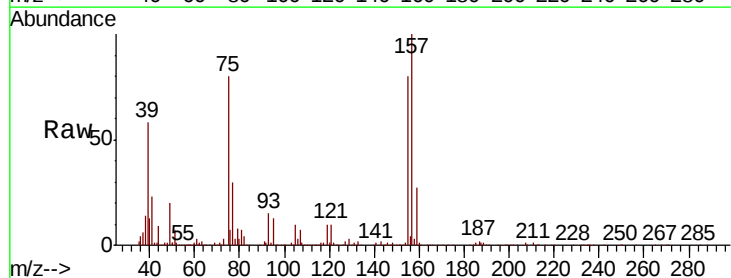
Tgt Ion: 75 Resp: 69100

Ion Ratio Lower Upper

75 100

155 100.2 51.7 155.1

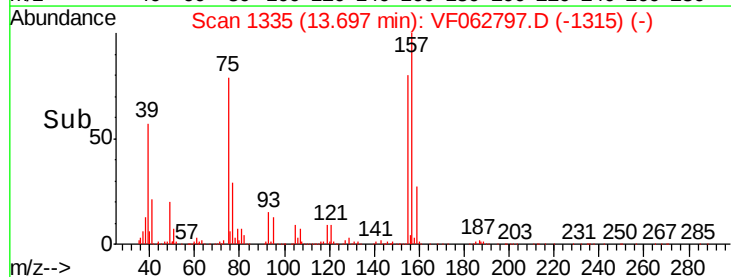
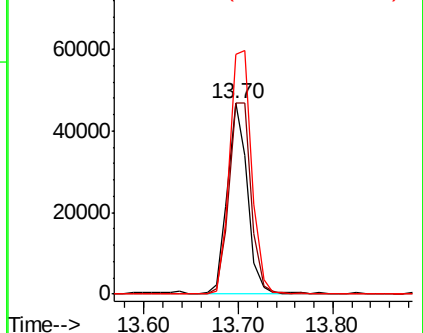
157 125.7 66.8 200.6

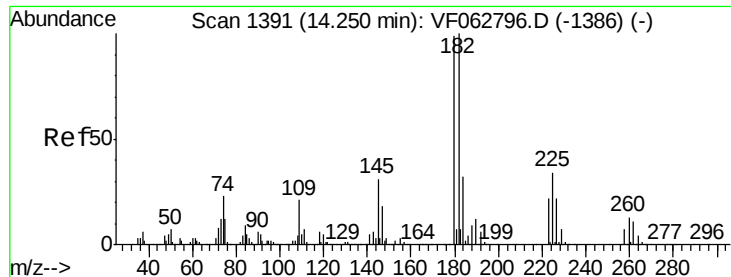


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

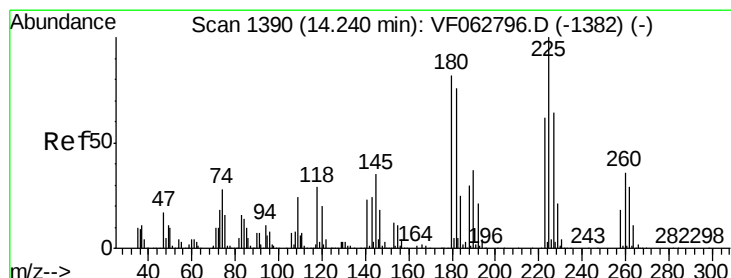
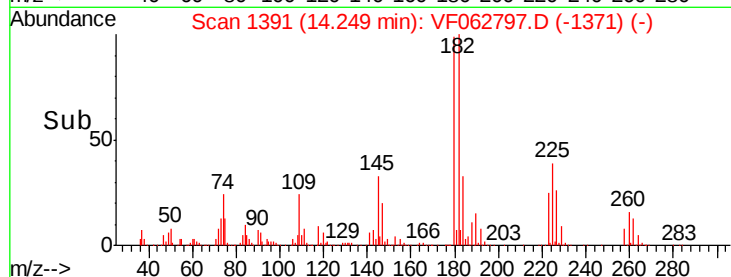
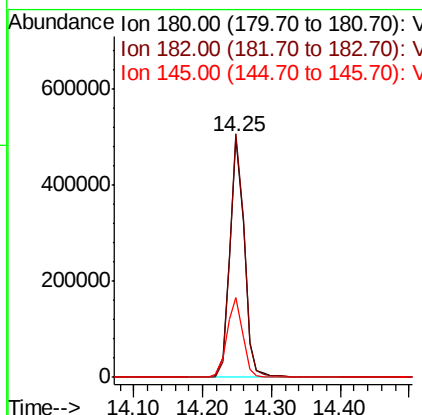
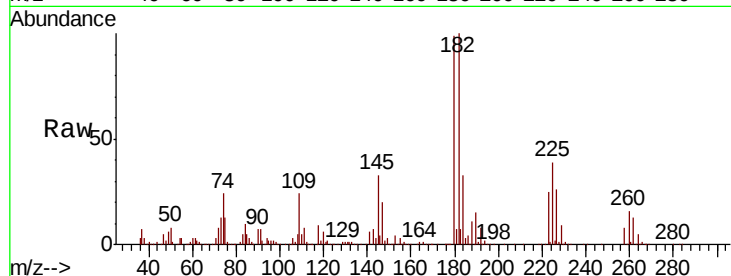




#93
 1,2,4-Trichlorobenzene
 Concen: 62.199 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VF062797.D
 Acq: 30 May 2019 15:59

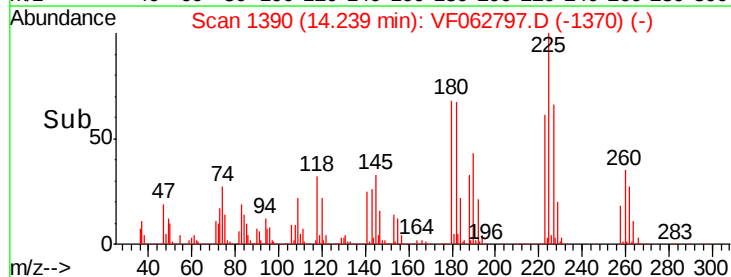
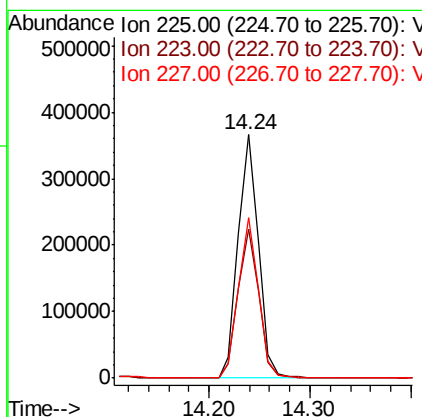
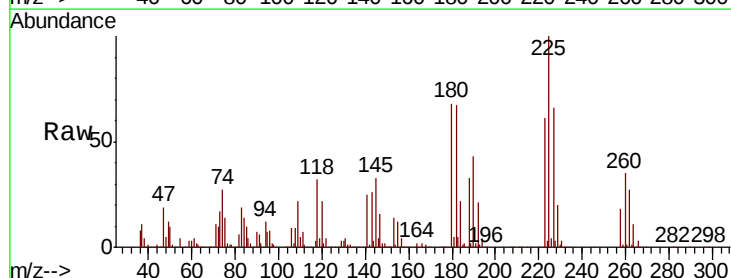
Instrument :
 MSVOA_F
 ClientSampleId :

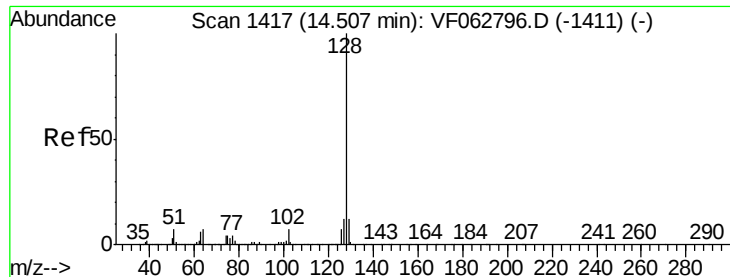
Tot Ion	Ratio	Lower	Upper
180	100		
182	101.3	50.3	150.9
145	33.0	15.4	46.2



#94
 Hexachlorobutadiene
 Concen: 63.547 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF062797.D
 Acq: 30 May 2019 15:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	30.8	92.4
227	66.1	31.9	95.5





#95

Naphthalene

Concen: 72.426 ug/l

RT: 14.51 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VF062797.D

Acq: 30 May 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

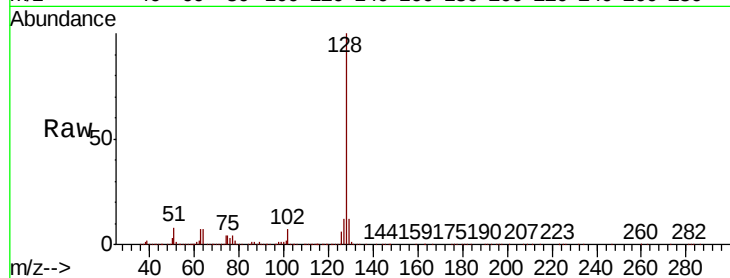
Tot Ion:128 Resp: 1344621

Ion	Ratio	Lower	Upper
128	100		
127	12.1	9.7	14.5
129	11.7	9.4	14.2

128 100

127 12.1 9.7 14.5

129 11.7 9.4 14.2

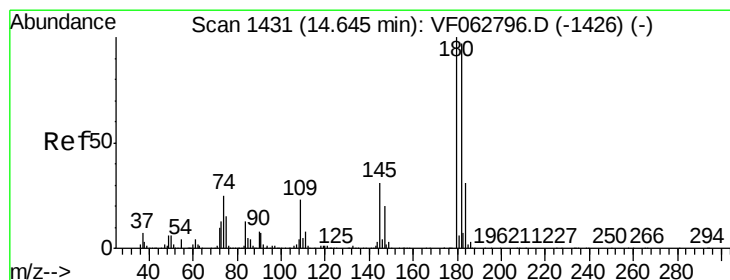
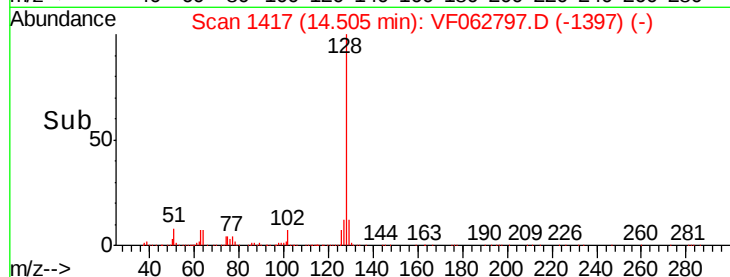
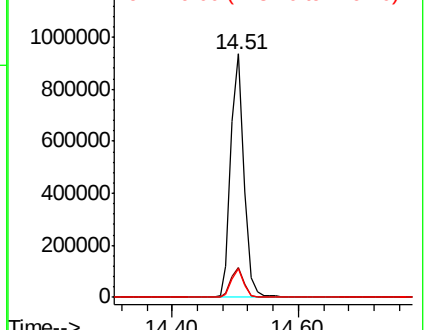


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 67.887 ug/l

RT: 14.65 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VF062797.D

Acq: 30 May 2019 15:59

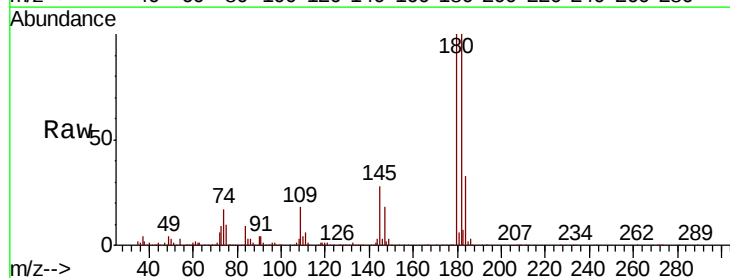
Tgt Ion:180 Resp: 702461

Ion	Ratio	Lower	Upper
180	100		
182	100.3	48.6	145.9
145	28.4	15.7	47.0

180 100

182 100.3 48.6 145.9

145 28.4 15.7 47.0



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

