

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF053019\
 Data File : VF062795.D
 Acq On : 30 May 2019 15:03
 Operator : FY/SY
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 31 03:20:57 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	5.07	168	939856	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1581234	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	1214925	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	564858	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	128602	18.96	ug/l	0.00
Spiked Amount						
			Recovery	=		37.92%
35) Dibromofluoromethane	4.32	113	236471	19.25	ug/l	-0.01
Spiked Amount						
			Recovery	=		38.50%
50) Toluene-d8	7.72	98	619406	19.43	ug/l	-0.01
Spiked Amount						
			Recovery	=		38.86%
62) 4-Bromofluorobenzene	11.51	95	216870	19.89	ug/l	0.00
Spiked Amount						
			Recovery	=		39.78%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	266210	19.667	ug/l	96
3) Chloromethane	1.15	50	203471	19.172	ug/l	98
4) Vinyl Chloride	1.20	62	206963	20.241	ug/l	98
5) Bromomethane	1.42	94	100532	16.734	ug/l	95
6) Chloroethane	1.45	64	58035	14.888	ug/l	91
7) Trichlorofluoromethane	1.57	101	193836	13.466	ug/l	94
8) Diethyl Ether	1.72	74	51589	17.759	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.93	101	179835	19.249	ug/l	96
10) Methyl Iodide	2.00	142	345868	19.097	ug/l	97
11) Tert butyl alcohol	2.72	59	39012	93.799	ug/l #	90
12) 1,1-Dichloroethene	1.89	96	163833	19.900	ug/l	94
13) Acrolein	2.11	56	19116	119.316	ug/l #	62
14) Allyl chloride	2.20	41	108596	18.056	ug/l	91
15) Acrylonitrile	3.11	53	113622	73.521	ug/l #	93
16) Acetone	2.36	43	126306	80.067	ug/l #	90
17) Carbon Disulfide	1.93	76	458747	25.423	ug/l #	94
18) Methyl Acetate	2.48	43	56727	18.504	ug/l	90
19) Methyl tert-butyl Ether	2.56	73	298893	19.988	ug/l	99
20) Methylene Chloride	2.36	84	105195	11.325	ug/l	97
21) trans-1,2-Dichloroethene	2.44	96	151358	17.632	ug/l	95
22) Diisopropyl ether	2.95	45	340132	19.245	ug/l	94
23) Vinyl Acetate	3.37	43	1241819	95.439	ug/l	99
24) 1,1-Dichloroethane	3.03	63	249526	18.624	ug/l	97
25) 2-Butanone	4.55	43	353095	94.227	ug/l	100
26) 2,2-Dichloropropane	3.80	77	148347	18.729	ug/l	91
27) cis-1,2-Dichloroethene	3.66	96	262428	18.933	ug/l	94
28) Bromochloromethane	3.92	49	145699	19.155	ug/l	94
29) Tetrahydrofuran	4.29	42	143233	103.460	ug/l	99
30) Chloroform	4.07	83	380449	19.415	ug/l	93
31) Cyclohexane	3.89	56	198064	10.636	ug/l	87
32) 1,1,1-Trichloroethane	4.30	97	199529	18.416	ug/l	94
36) 1,1-Dichloropropene	4.49	75	301237	19.541	ug/l	99
37) Ethyl Acetate	4.32	43	118133	19.015	ug/l	98
38) Carbon Tetrachloride	4.20	117	199650	19.352	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	346727	18.448	ug/l	97
40) Benzene	4.84	78	864722	19.013	ug/l	96
41) Methacrylonitrile	4.96	41	65152	19.308	ug/l #	81
42) 1,2-Dichloroethane	5.15	62	172310	20.385	ug/l	94
43) Isopropyl Acetate	7.13	43	150296	19.519	ug/l #	96
44) Trichloroethene	5.70	130	242240	19.012	ug/l	95
45) 1,2-Dichloropropane	6.42	63	211790	18.912	ug/l	100
46) Dibromomethane	6.28	93	119773	18.398	ug/l	95
47) Bromodichloromethane	6.57	83	252244	19.020	ug/l	97
48) Methyl methacrylate	6.90	41	75694	19.284	ug/l	98
49) 1,4-Dioxane	6.89	88	19004	401.418	ug/l	92
51) 4-Methyl-2-Pentanone	8.42	43	563916	95.213	ug/l	94
52) Toluene	7.79	92	460484	19.345	ug/l	90
53) t-1,3-Dichloropropene	8.44	75	208417	18.984	ug/l	97
54) cis-1,3-Dichloropropene	7.48	75	313730	19.744	ug/l	97
55) 1,1,2-Trichloroethane	8.65	97	136043	18.670	ug/l	93
56) Ethyl methacrylate	8.78	69	149427	19.991	ug/l	96
57) 1,3-Dichloropropane	9.01	76	239425	20.196	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.47	63	258105	97.503	ug/l	93
59) 2-Hexanone	9.64	43	412608	99.570	ug/l	100
60) Dibromochloromethane	8.88	129	174822	19.889	ug/l	95
61) 1,2-Dibromoethane	9.15	107	148026	20.570	ug/l	95
64) Tetrachloroethene	8.32	164	184298	18.180	ug/l	97
65) Chlorobenzene	9.95	112	480205	19.492	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.08	131	196778	20.448	ug/l	99
67) Ethyl Benzene	10.05	91	870656	20.275	ug/l	98
68) m/p-Xylenes	10.28	106	639645	39.925	ug/l	87
69) o-Xylene	10.83	106	313453	19.301	ug/l	85
70) Styrene	10.91	104	470338	19.697	ug/l	96
71) Bromoform	10.89	173	91763	19.612	ug/l #	96
73) Isopropylbenzene	11.22	105	797233	18.656	ug/l	96
74) N-amyl acetate	11.46	43	234169	19.316	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	182488	19.763	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	116962	19.695	ug/l	97
77) Bromobenzene	11.59	156	204641	19.554	ug/l	74
78) n-propylbenzene	11.69	91	1027110	19.367	ug/l	95
79) 2-Chlorotoluene	11.80	91	575511	19.811	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	684523	19.649	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.95	75	63436	20.454	ug/l	98
82) 4-Chlorotoluene	11.98	91	567065	19.696	ug/l	93
83) tert-Butylbenzene	12.21	119	682358	20.165	ug/l	92
84) 1,2,4-Trimethylbenzene	12.28	105	646223	19.433	ug/l	92
85) sec-Butylbenzene	12.38	105	886145	19.165	ug/l	91
86) p-Isopropyltoluene	12.52	119	735694	19.340	ug/l	93
87) 1,3-Dichlorobenzene	12.54	146	369413	19.659	ug/l	95
88) 1,4-Dichlorobenzene	12.63	146	326478	18.636	ug/l	98
89) n-Butylbenzene	12.91	91	752833	19.199	ug/l	89
90) Hexachloroethane	12.99	117	173880	19.252	ug/l	100
91) 1,2-Dichlorobenzene	13.01	146	307093	18.613	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.70	75	18978	19.309	ug/l	82

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Quant Title : SW846 8260
QLast Update : Fri May 31 03:15:01 2019
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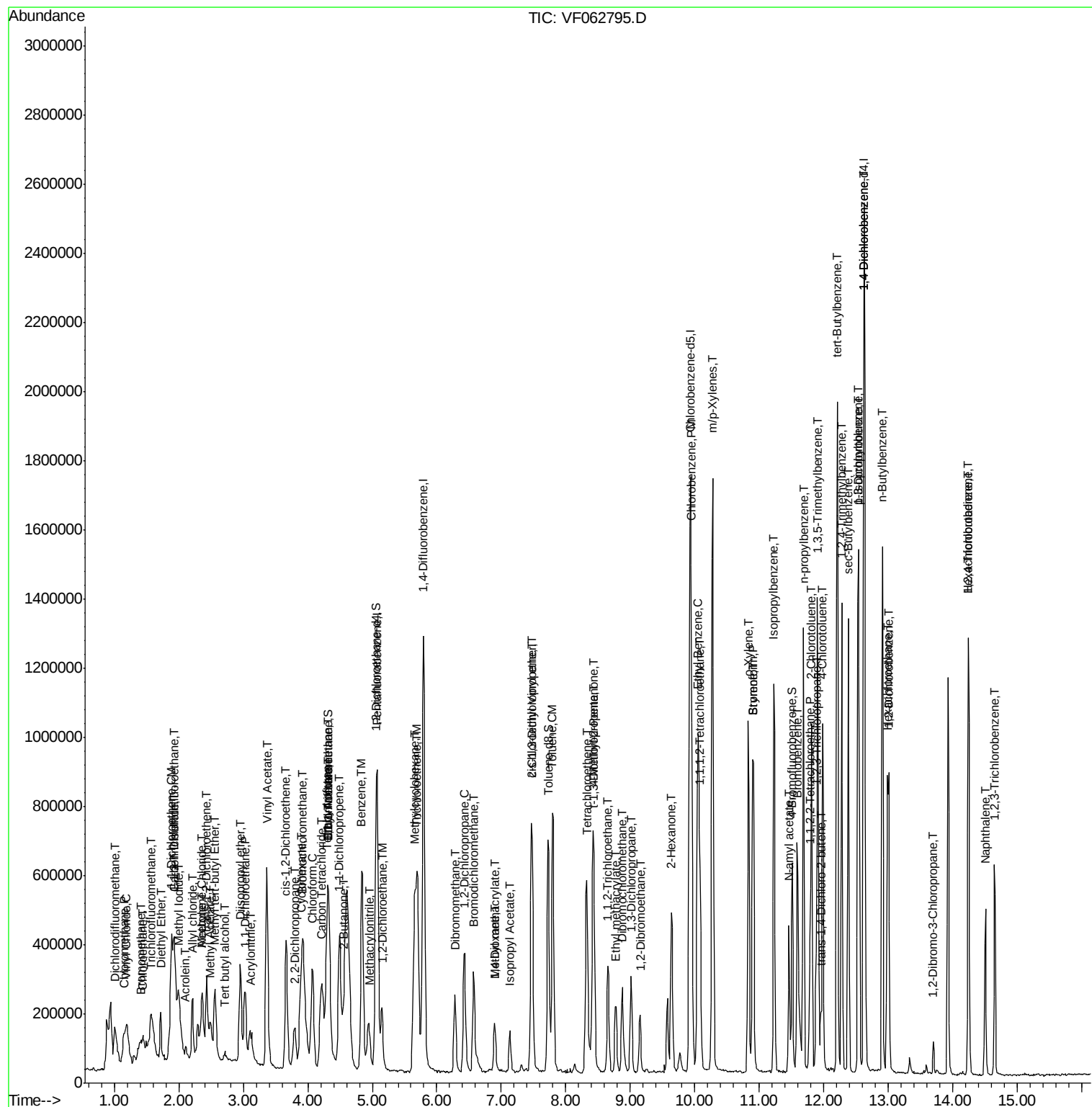
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	206158	18.412	ug/l	96
94) Hexachlorobutadiene	14.24	225	135723	17.641	ug/l	97
95) Naphthalene	14.51	128	341516	19.203	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	185053	18.669	ug/l	97

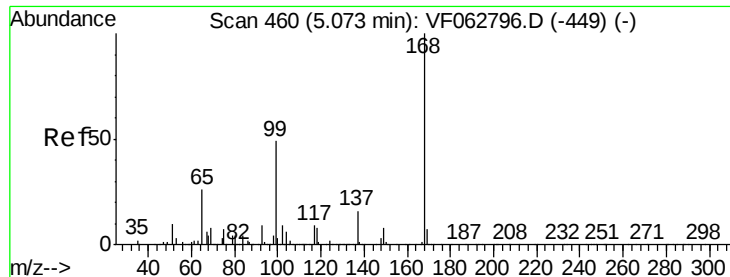
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF053019\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_F

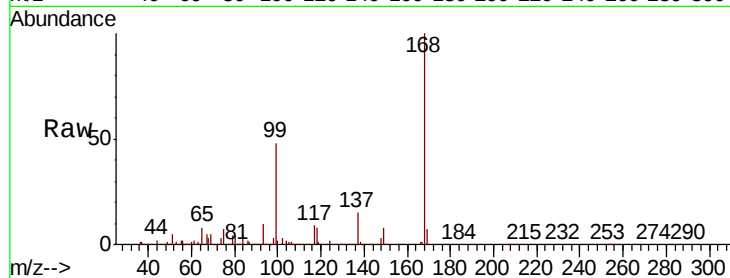
ClientSampleId :

Tot Ion:168 Resp: 939856

Ion Ratio Lower Upper

168 100

99 48.0 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.07

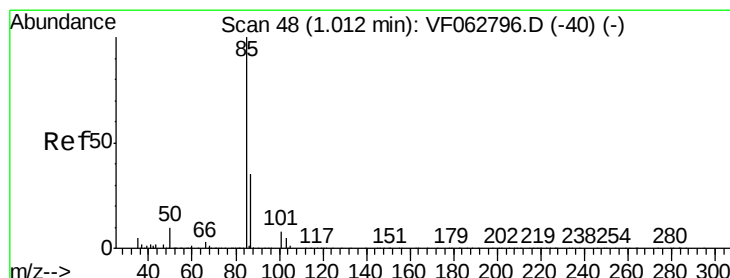
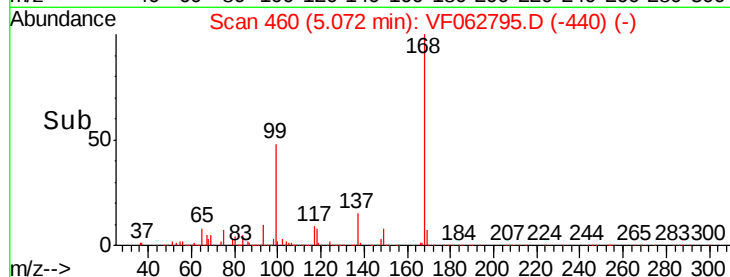
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.667 ug/l

RT: 1.01 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062795.D

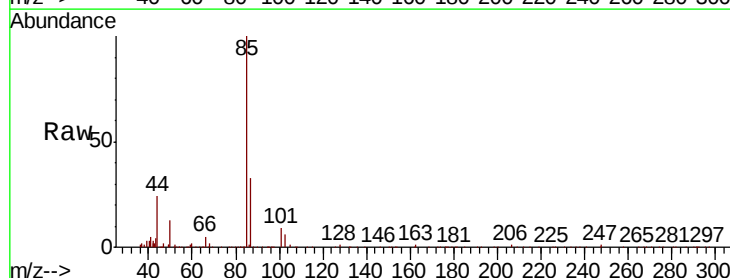
Acq: 30 May 2019 15:03

Tgt Ion: 85 Resp: 266210

Ion Ratio Lower Upper

85 100

87 32.9 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

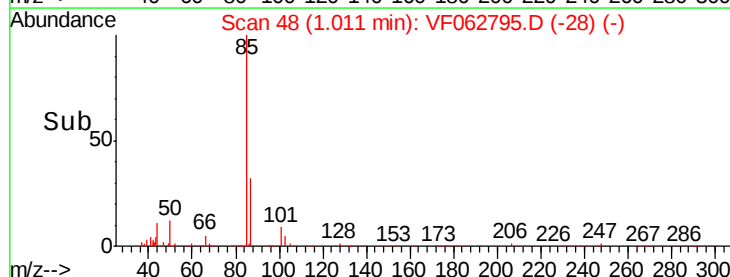
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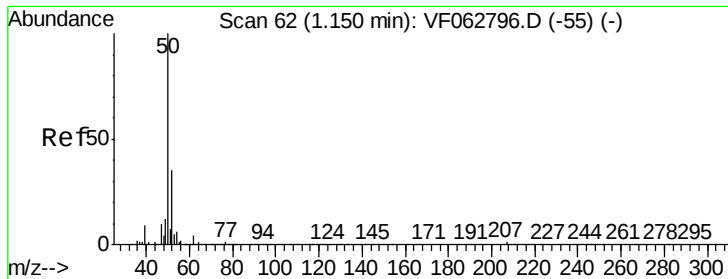
40000

20000

0

Time-->





#3

Chloromethane

Concen: 19.172 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

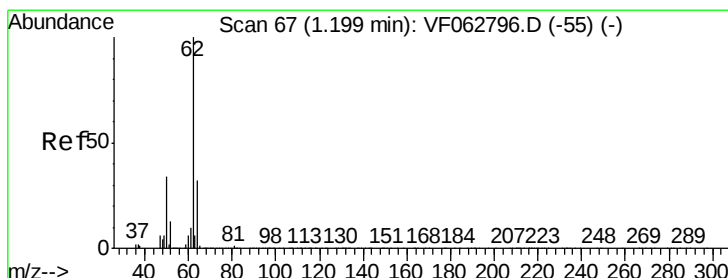
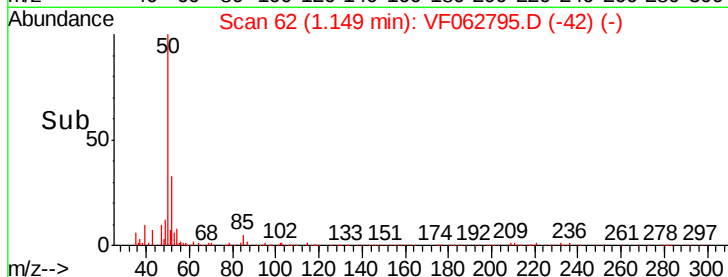
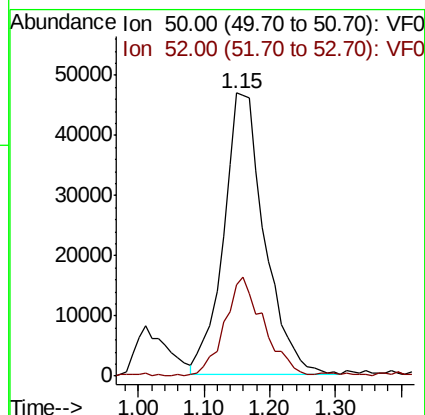
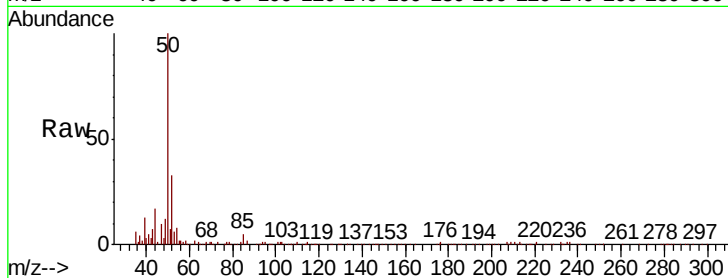
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 50 Resp: 203471

Ion Ratio Lower Upper

50 100

52 32.5 27.0 40.4



#4

Vinyl Chloride

Concen: 20.241 ug/l

RT: 1.20 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062795.D

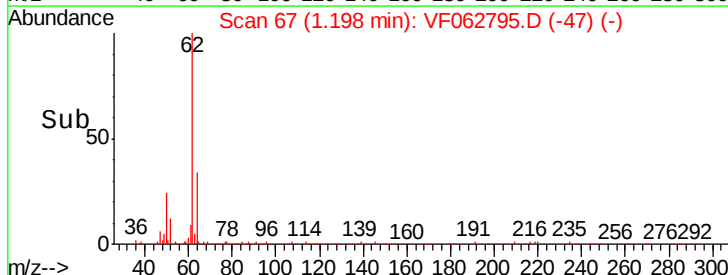
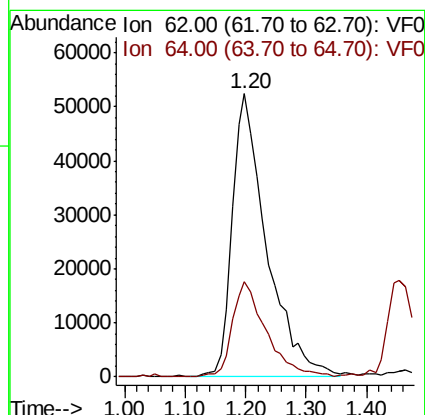
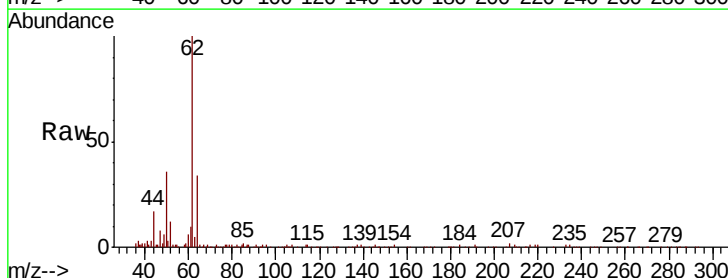
Acq: 30 May 2019 15:03

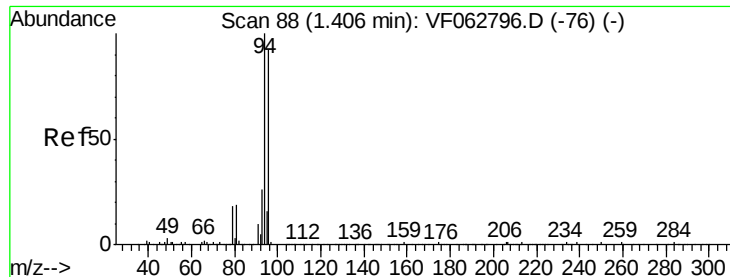
Tgt Ion: 62 Resp: 206963

Ion Ratio Lower Upper

62 100

64 33.8 26.2 39.2





#5

Bromomethane

Concen: 16.734 ug/l

RT: 1.42 min Scan# 89

Delta R.T. 0.01 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

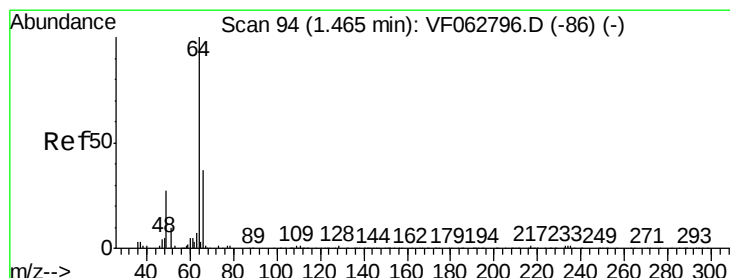
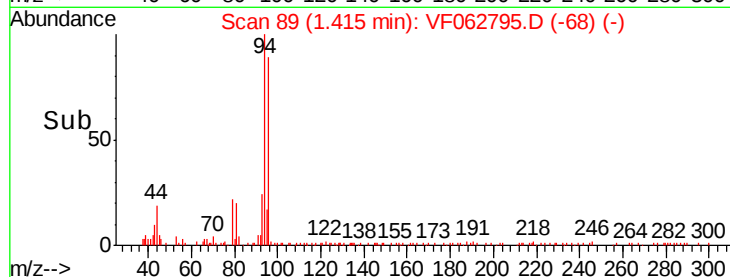
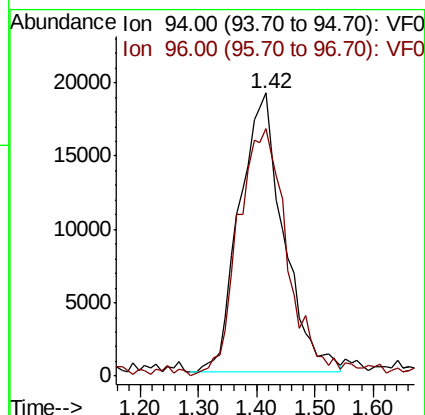
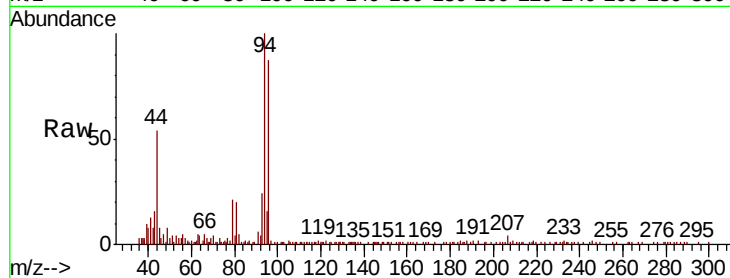
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 100532

Ion Ratio Lower Upper

94 100

96 87.3 73.8 110.6



#6

Chloroethane

Concen: 14.888 ug/l

RT: 1.45 min Scan# 93

Delta R.T. -0.01 min

Lab File: VF062795.D

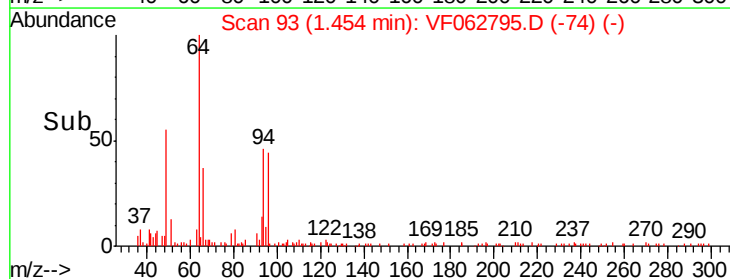
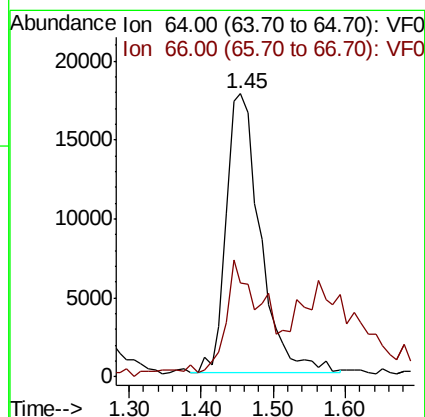
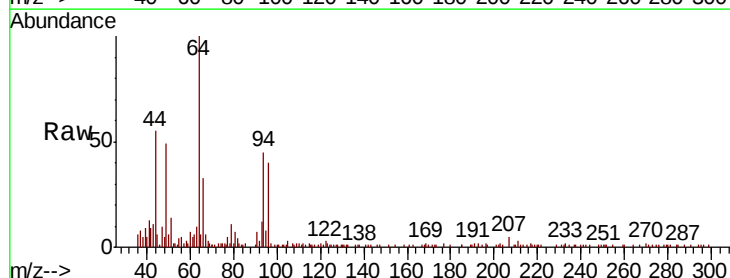
Acq: 30 May 2019 15:03

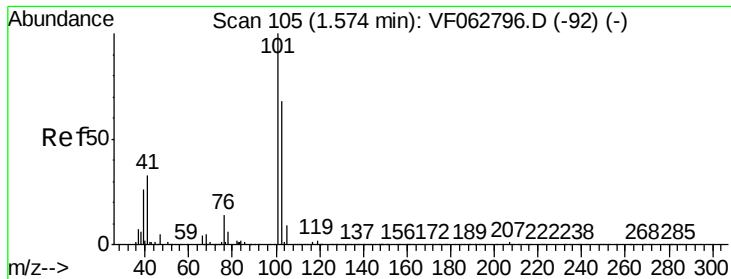
Tgt Ion: 64 Resp: 58035

Ion Ratio Lower Upper

64 100

66 33.2 31.0 46.4



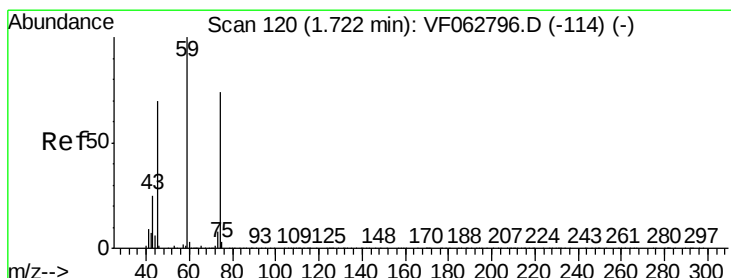
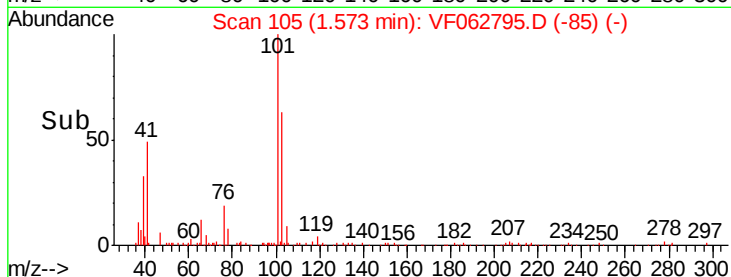
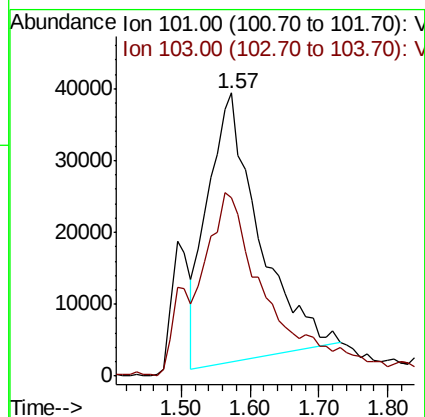
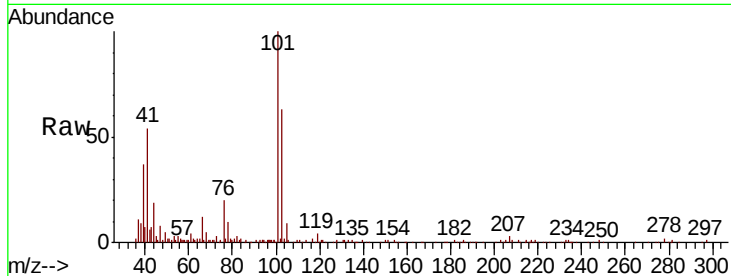


#7

Trichlorofluoromethane
Concen: 13.466 ug/l
RT: 1.57 min Scan# 105
Delta R.T. -0.00 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

Instrument :
MSVOA_F
ClientSampleId :

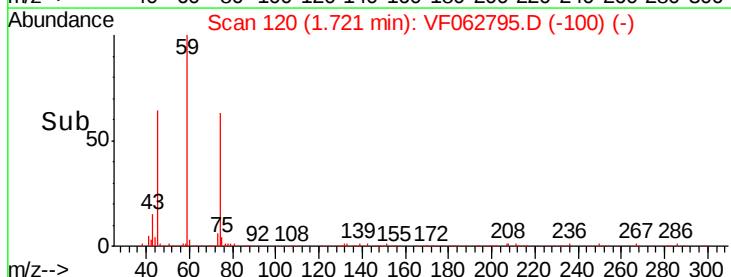
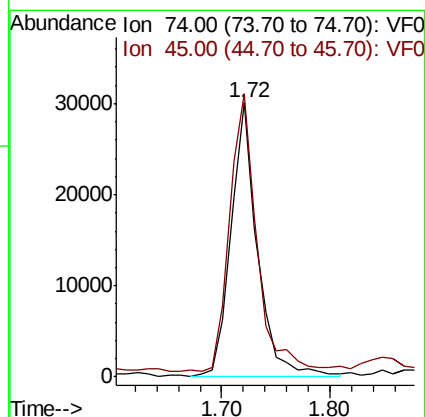
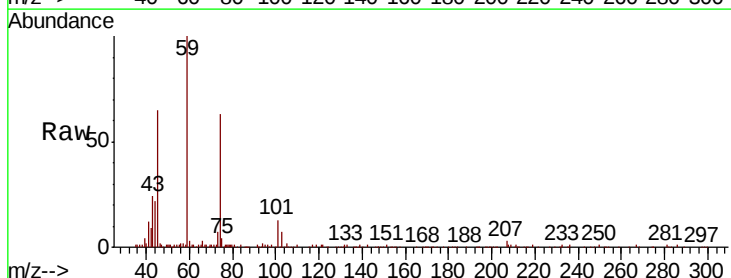
Tot Ion:101 Resp: 193836
Ion Ratio Lower Upper
101 100
103 63.1 54.6 82.0

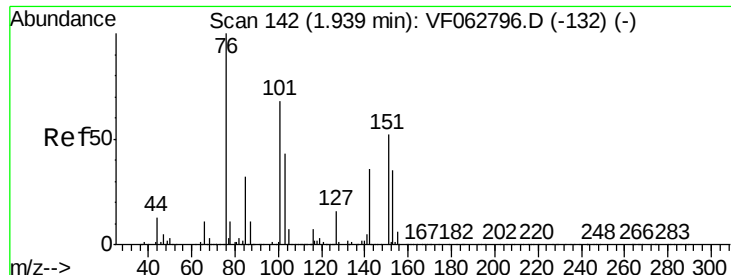


#8

Diethyl Ether
Concen: 17.759 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.00 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

Tgt Ion: 74 Resp: 51589
Ion Ratio Lower Upper
74 100
45 103.2 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.249 ug/l

RT: 1.93 min Scan# 141

Delta R.T. -0.01 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_F

ClientSampled :

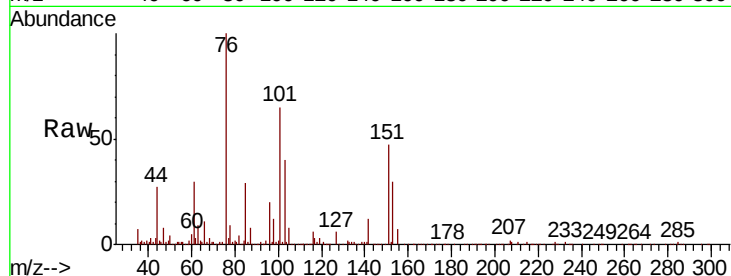
Tot Ion:101 Resp: 179835

Ion Ratio Lower Upper

101 100

85 44.9 37.1 55.7

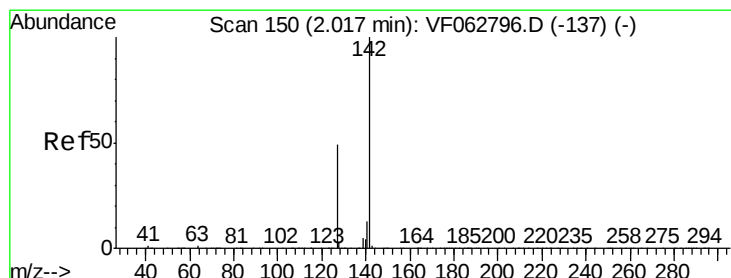
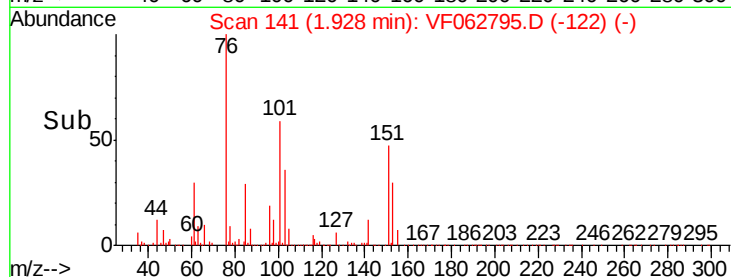
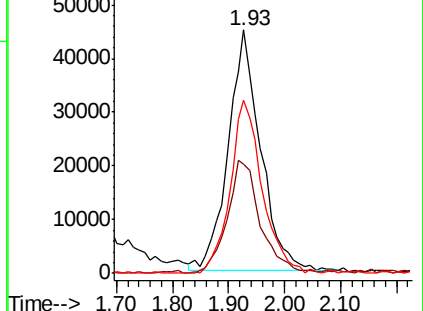
151 71.3 60.3 90.5



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: 19.097 ug/l

RT: 2.00 min Scan# 148

Delta R.T. -0.02 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

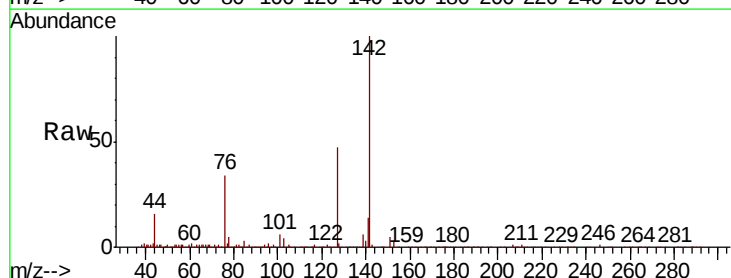
Tgt Ion:142 Resp: 345868

Ion Ratio Lower Upper

142 100

127 47.0 39.4 59.2

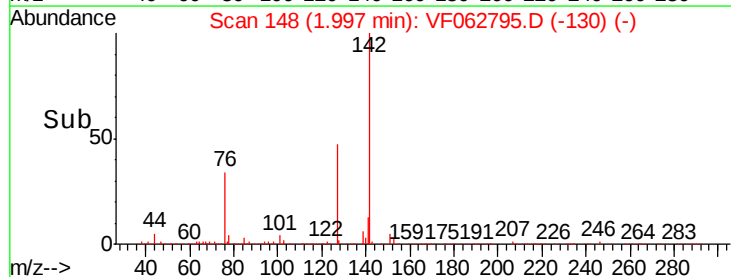
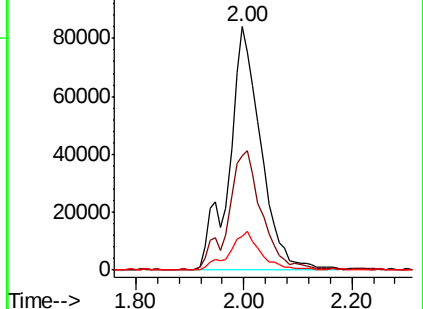
141 13.6 10.6 15.8

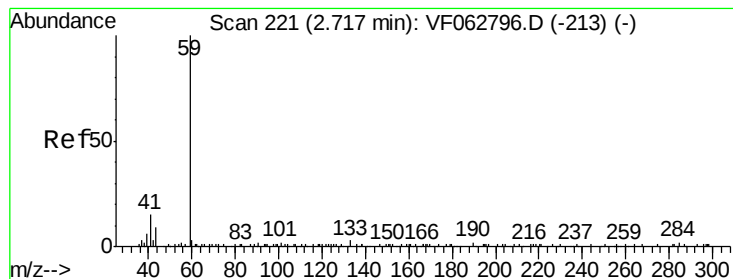


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



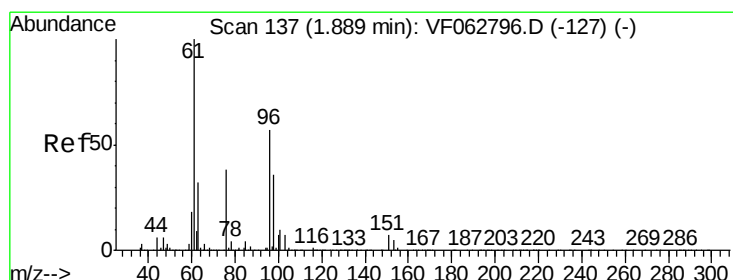
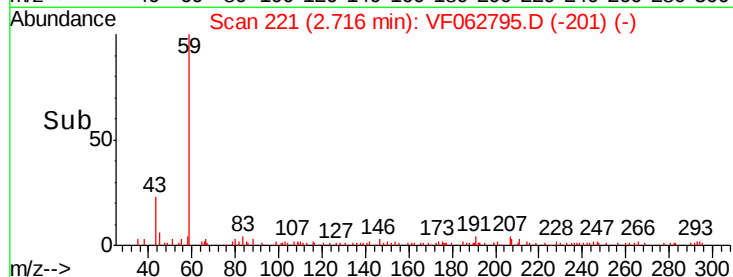
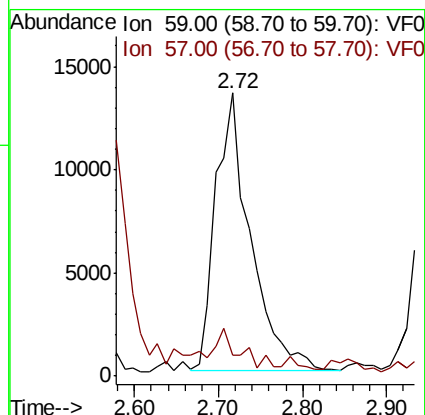
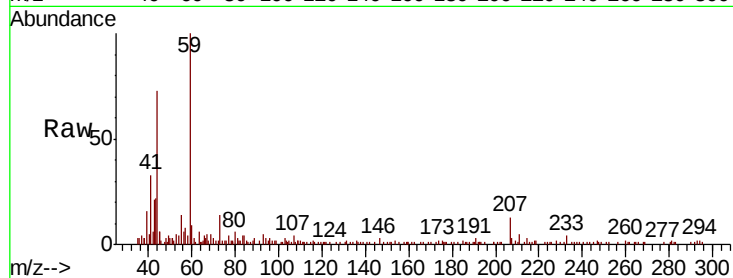


#11

Tert butyl alcohol
Concen: 93.799 ug/l
RT: 2.72 min Scan# 221
Delta R.T. -0.00 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

Instrument :
MSVOA_F
ClientSampled :

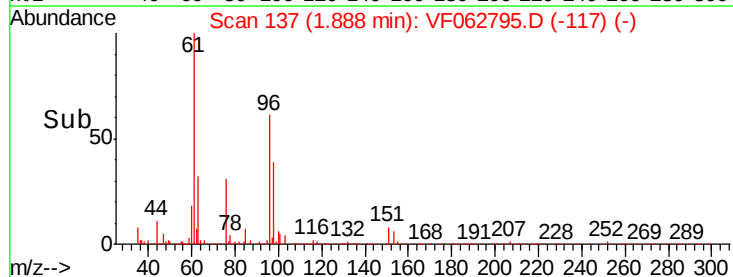
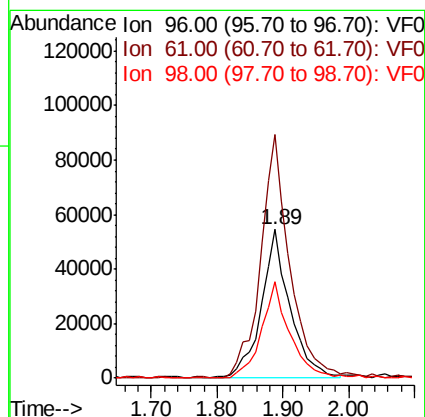
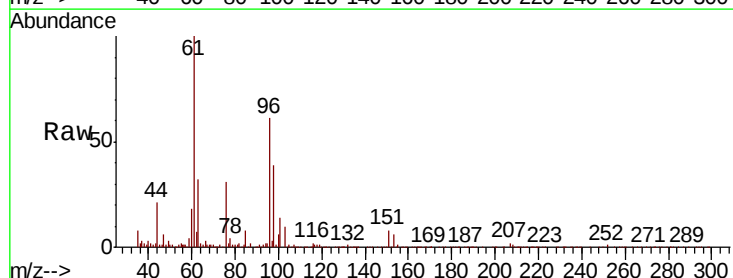
Tot Ion: 59 Resp: 39012
Ion Ratio Lower Upper
59 100
57 7.6 9.2 13.8#

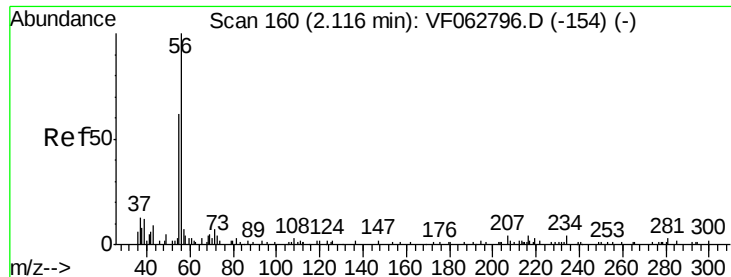


#12

1,1-Dichloroethene
Concen: 19.900 ug/l
RT: 1.89 min Scan# 137
Delta R.T. -0.00 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

Tgt Ion: 96 Resp: 163833
Ion Ratio Lower Upper
96 100
61 163.6 139.4 209.2
98 64.6 50.3 75.5





#13

Acrolein

Concen: 119.316 ug/l

RT: 2.11 min Scan# 159

Delta R.T. -0.01 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

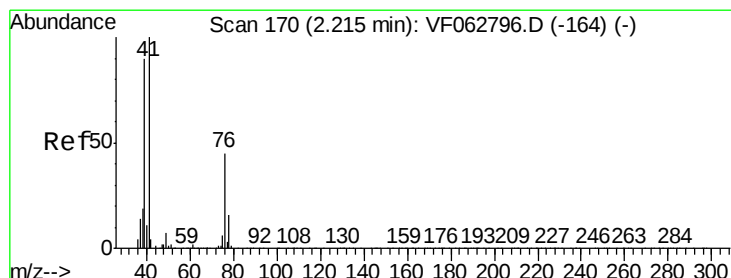
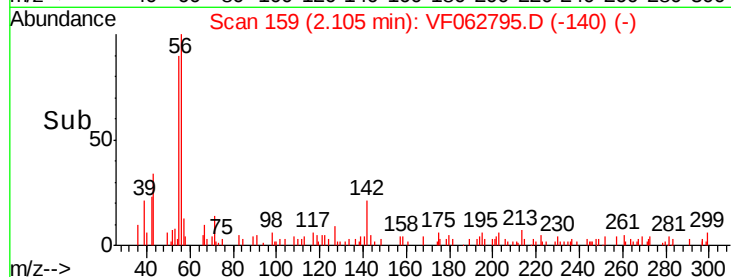
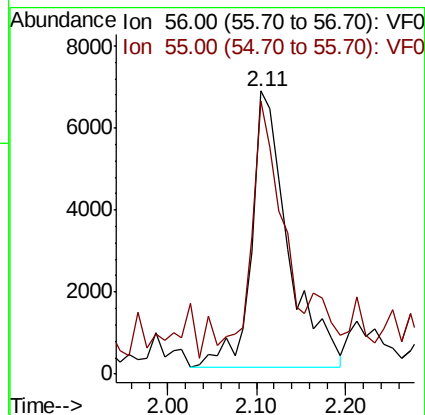
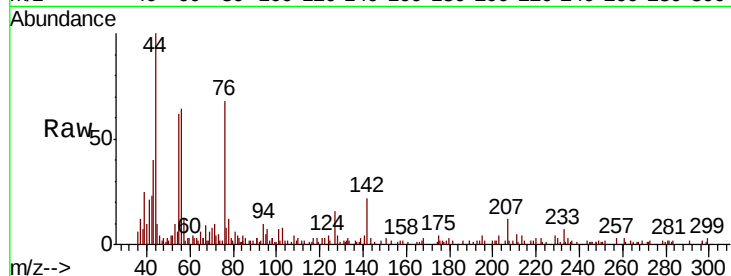
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 19116

Ion Ratio Lower Upper

56 100

55 96.6 52.9 79.3#



#14

Allyl chloride

Concen: 18.056 ug/l

RT: 2.20 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

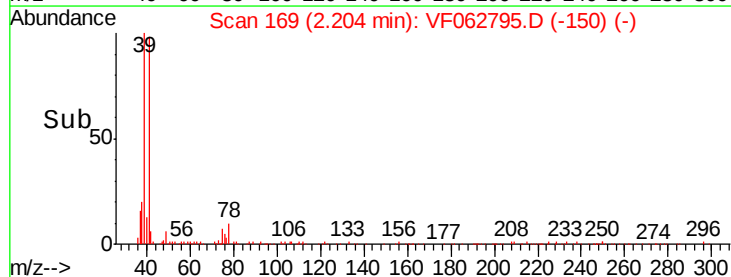
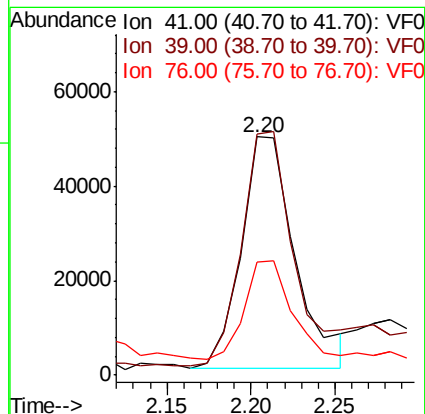
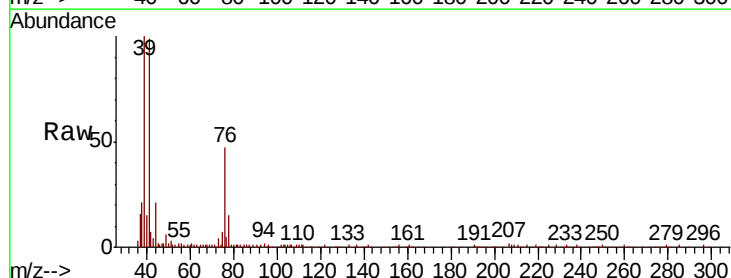
Tgt Ion: 41 Resp: 108596

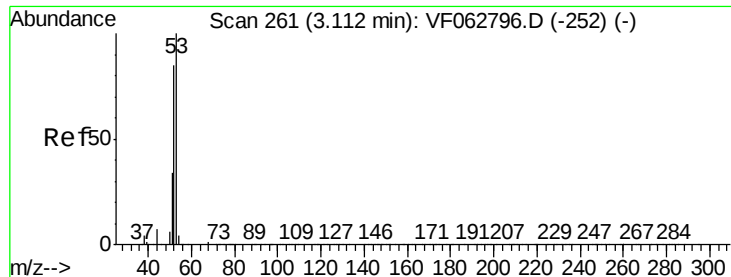
Ion Ratio Lower Upper

41 100

39 101.4 71.9 107.9

76 47.8 39.6 59.4





#15

Acrylonitrile

Concen: 73.521 ug/l

RT: 3.11 min Scan# 261

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

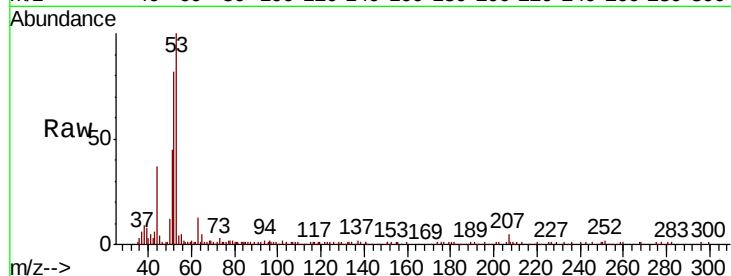
Tot Ion: 53 Resp: 113622

Ion Ratio Lower Upper

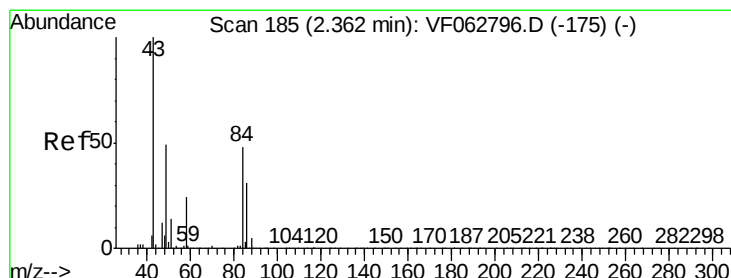
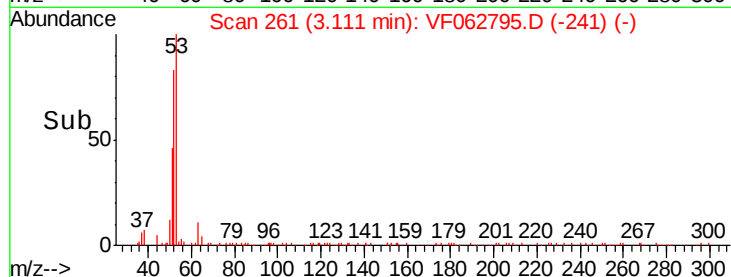
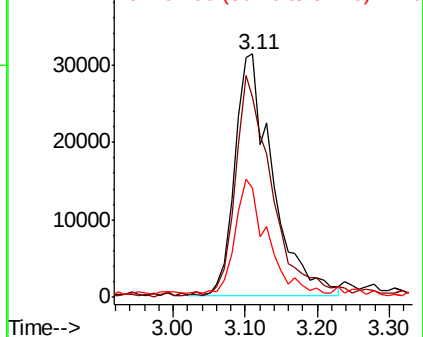
53 100

52 82.3 68.1 102.1

51 44.9 27.7 41.5#



Abundance Ion 53.00 (52.70 to 53.70): VF0
Ion 52.00 (51.70 to 52.70): VF0
Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 80.067 ug/l

RT: 2.36 min Scan# 185

Delta R.T. -0.00 min

Lab File: VF062795.D

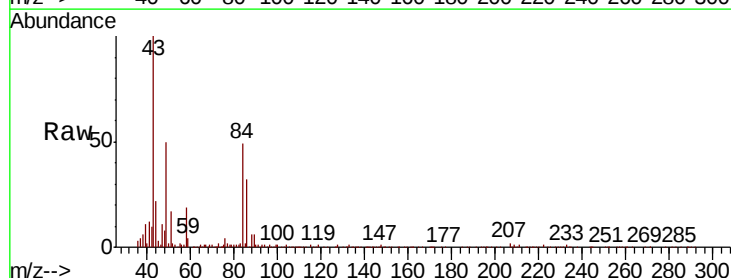
Acq: 30 May 2019 15:03

Tgt Ion: 43 Resp: 126306

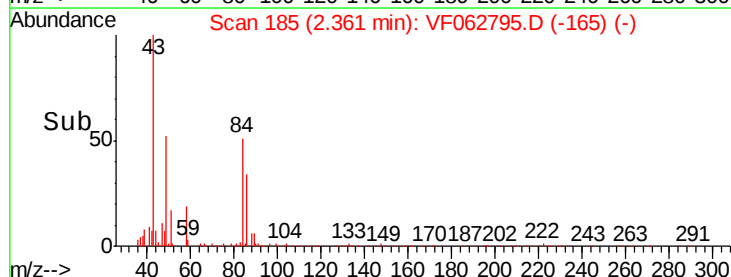
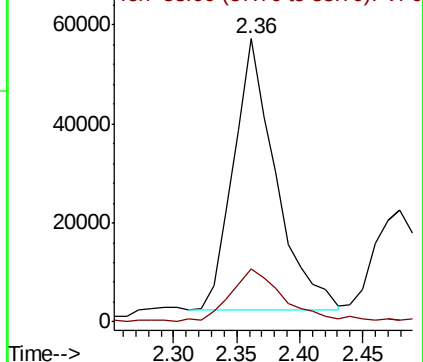
Ion Ratio Lower Upper

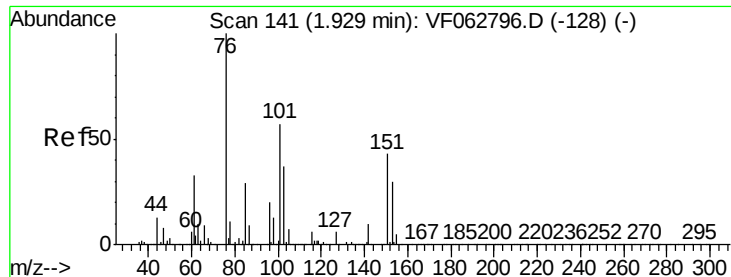
43 100

58 18.9 19.0 28.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 25.423 ug/l

RT: 1.93 min Scan# 141

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_F

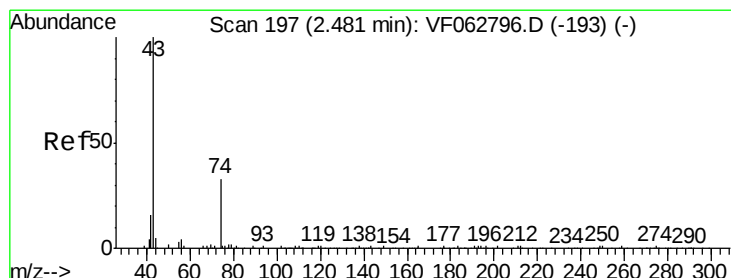
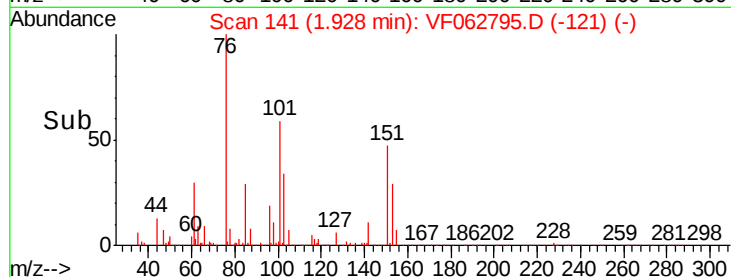
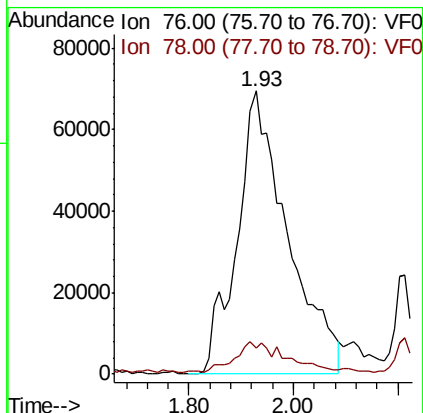
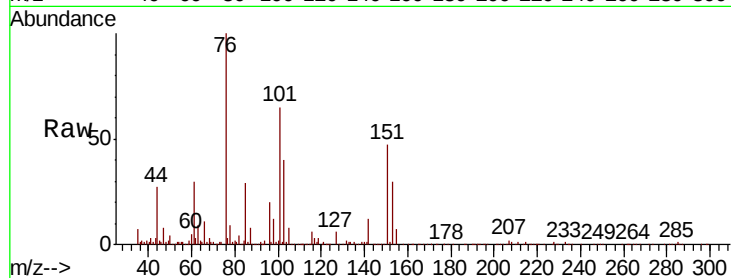
ClientSampled :

Tot Ion: 76 Resp: 458747

Ion Ratio Lower Upper

76 100

78 9.4 9.4 14.2#



#18

Methyl Acetate

Concen: 18.504 ug/l

RT: 2.48 min Scan# 197

Delta R.T. -0.00 min

Lab File: VF062795.D

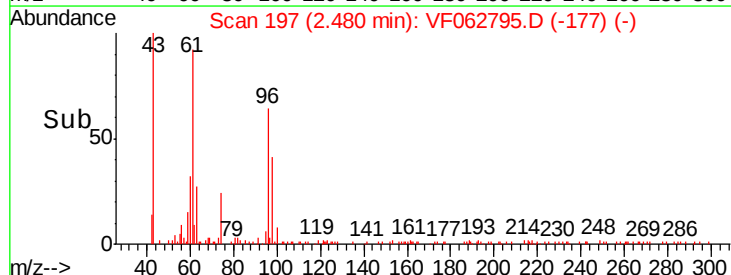
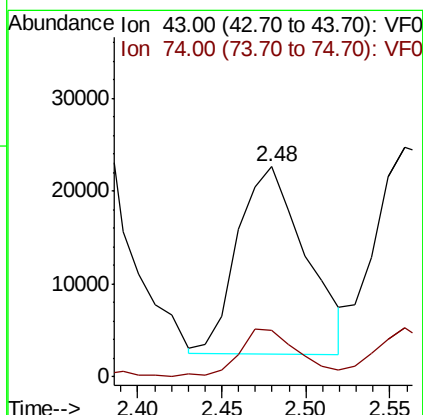
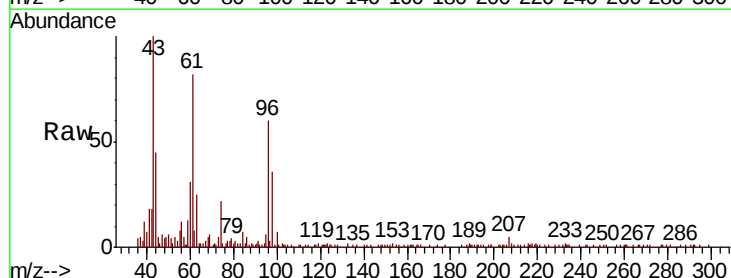
Acq: 30 May 2019 15:03

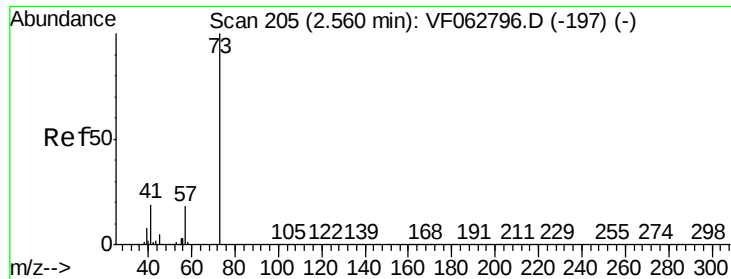
Tgt Ion: 43 Resp: 56727

Ion Ratio Lower Upper

43 100

74 22.2 22.1 33.1





#19

Methyl tert-butyl Ether

Concen: 19.988 ug/l

RT: 2.56 min Scan# 205

Delta R.T. -0.00 min

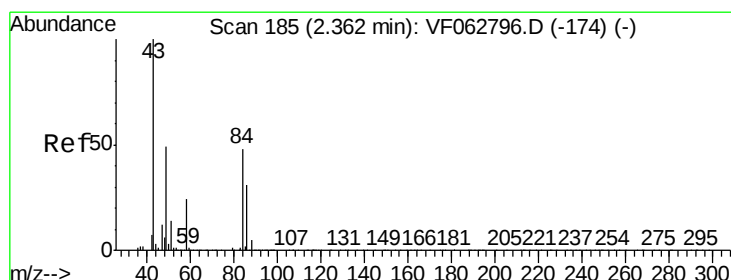
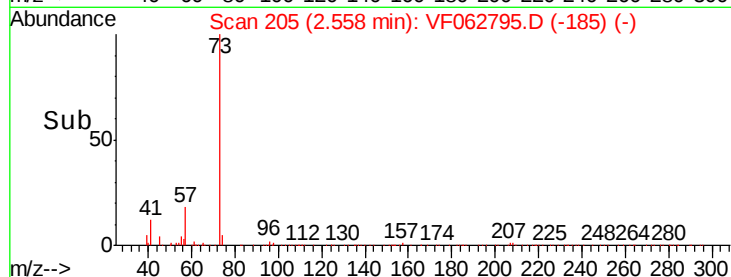
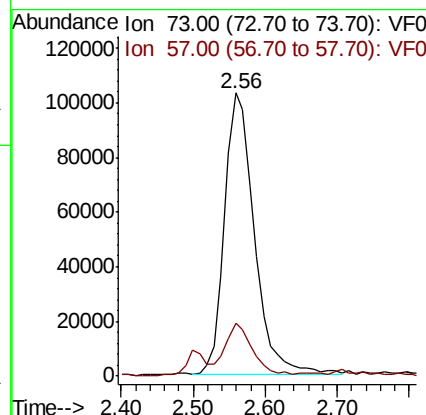
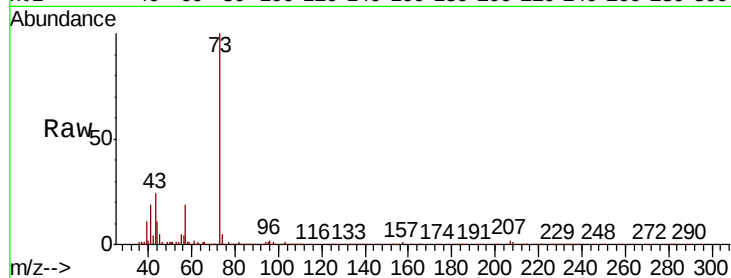
Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 73 Resp: 298893

Ion	Ratio	Lower	Upper
73	100		
57	18.5	15.1	22.7



#20

Methylene Chloride

Concen: 11.325 ug/l

RT: 2.36 min Scan# 185

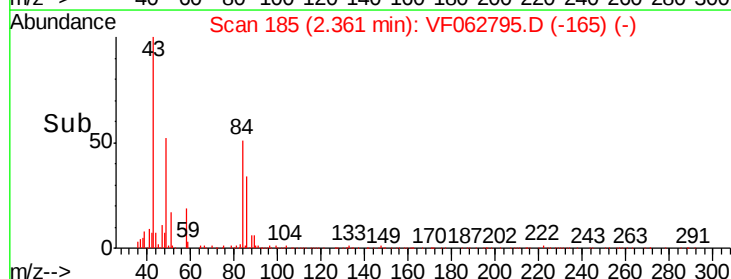
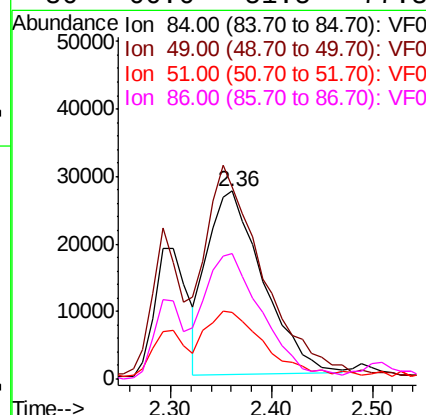
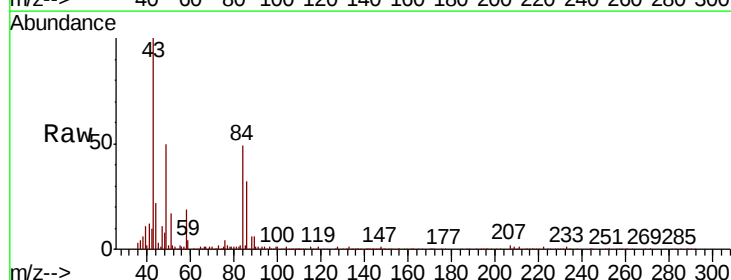
Delta R.T. -0.00 min

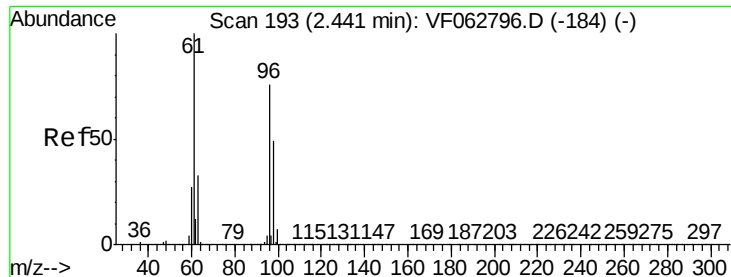
Lab File: VF062795.D

Acq: 30 May 2019 15:03

Tgt Ion: 84 Resp: 105195

Ion	Ratio	Lower	Upper
84	100		
49	102.2	82.6	123.8
51	35.6	25.0	37.4
86	66.6	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 17.632 ug/l

RT: 2.44 min Scan# 193

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :
MSVOA_F
ClientSampleId :

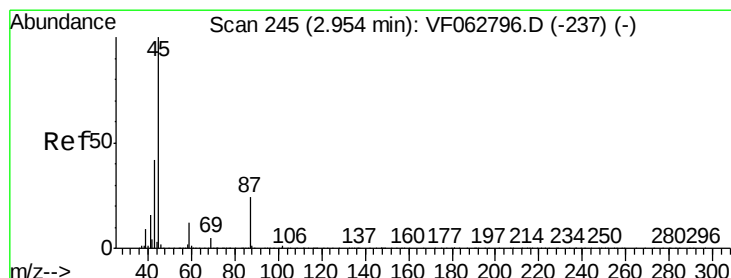
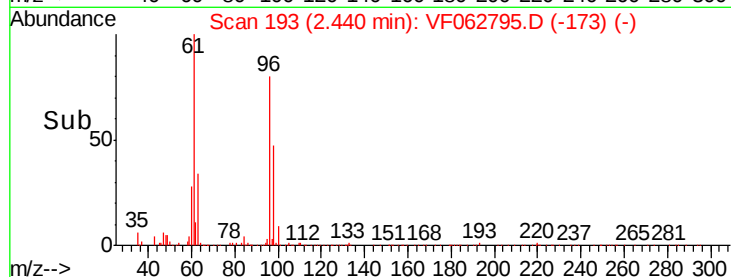
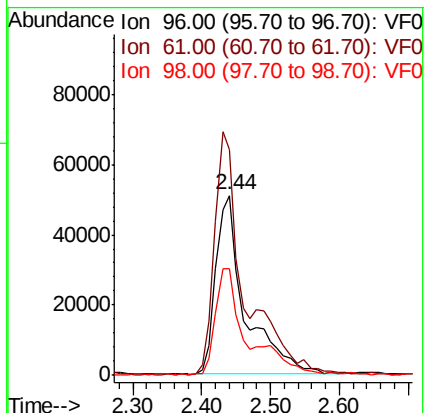
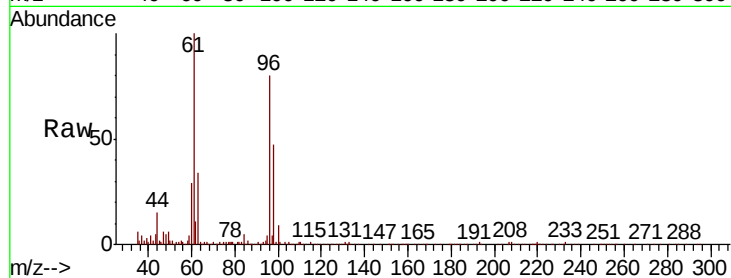
Tot Ion: 96 Resp: 151358

Ion Ratio Lower Upper

96 100

61 125.6 105.0 157.6

98 59.2 51.1 76.7



#22

Diisopropyl ether

Concen: 19.245 ug/l

RT: 2.95 min Scan# 245

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Tgt Ion: 45 Resp: 340132

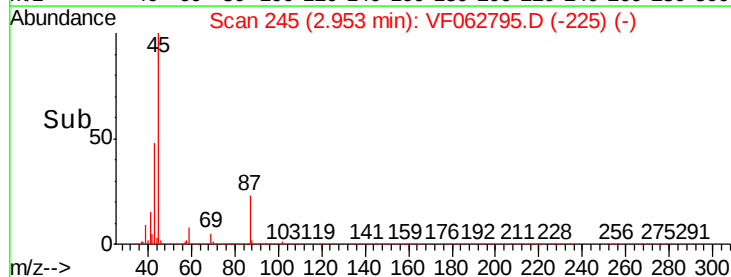
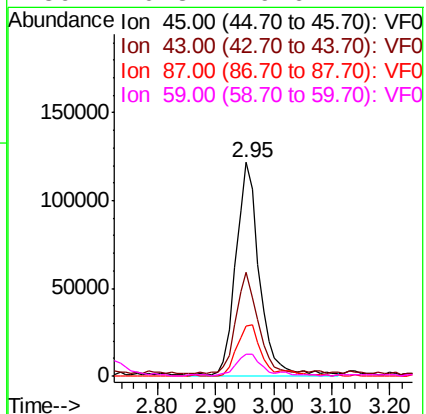
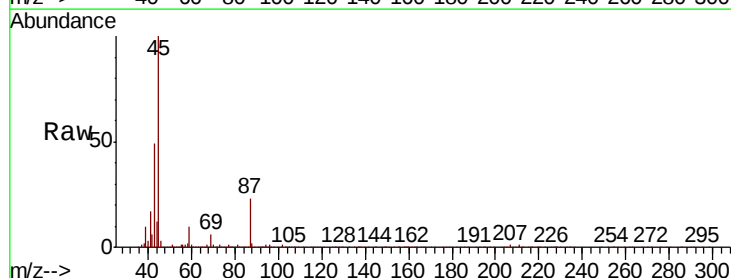
Ion Ratio Lower Upper

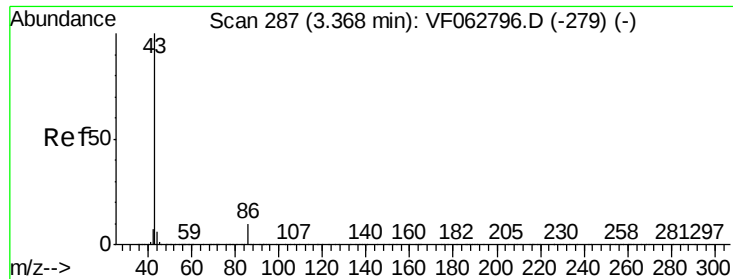
45 100

43 48.7 34.3 51.5

87 23.3 19.0 28.4

59 10.3 9.6 14.4





#23

Vinyl Acetate

Concen: 95.439 ug/l

RT: 3.37 min Scan# 287

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_F

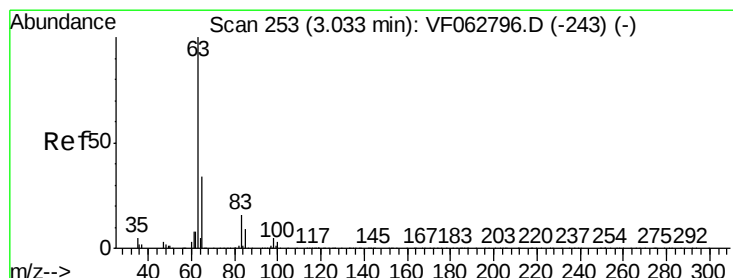
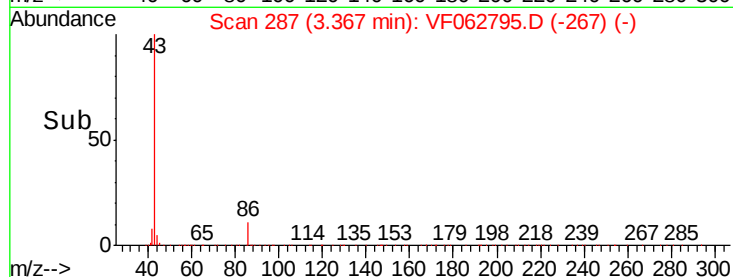
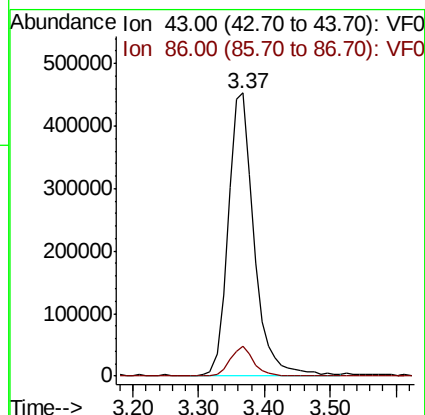
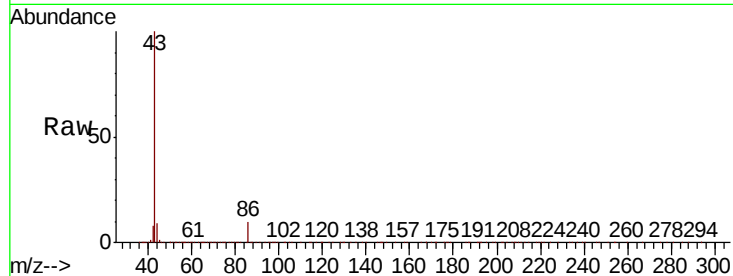
ClientSampleId :

Tot Ion: 43 Resp: 1241819

Ion Ratio Lower Upper

43 100

86 10.5 8.2 12.2



#24

1,1-Dichloroethane

Concen: 18.624 ug/l

RT: 3.03 min Scan# 253

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

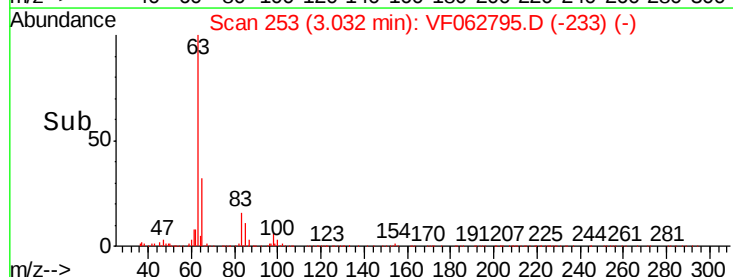
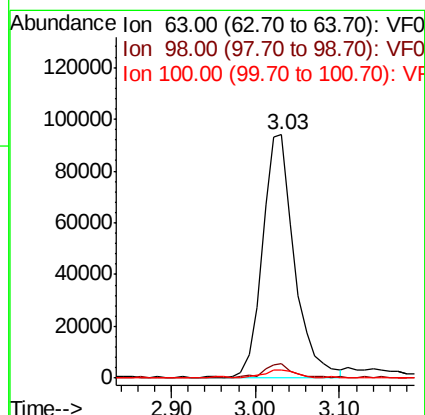
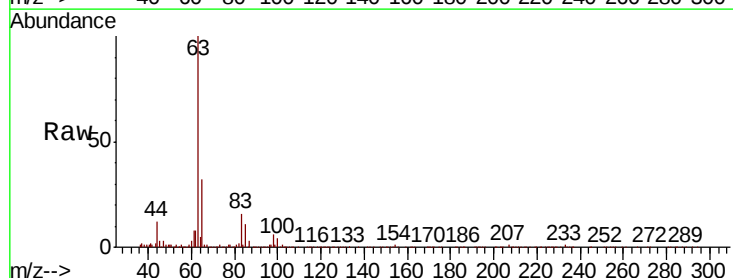
Tgt Ion: 63 Resp: 249526

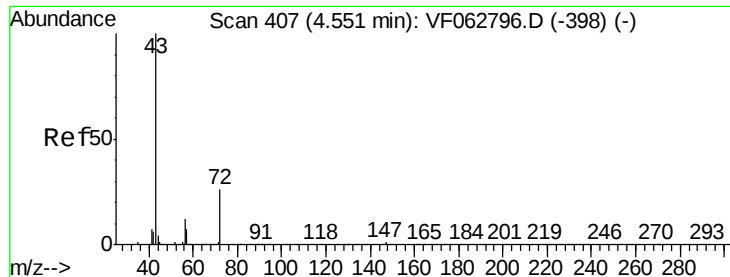
Ion Ratio Lower Upper

63 100

98 5.9 2.4 7.1

100 3.5 1.5 4.5





#25

2-Butanone

Concen: 94.227 ug/l

RT: 4.55 min Scan# 407

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

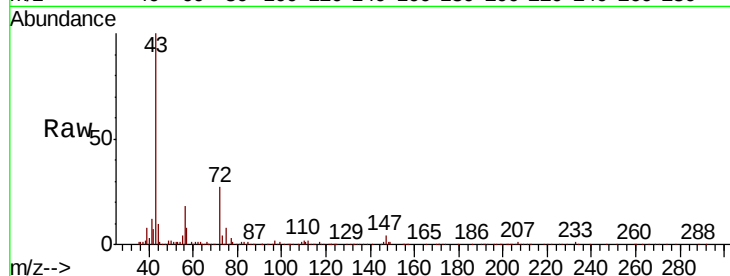
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 353095

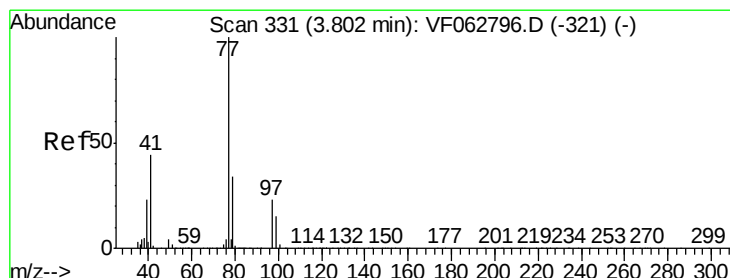
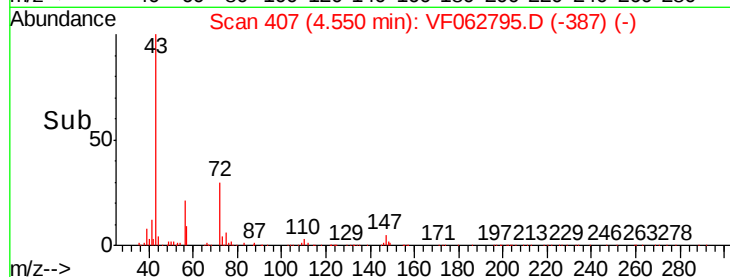
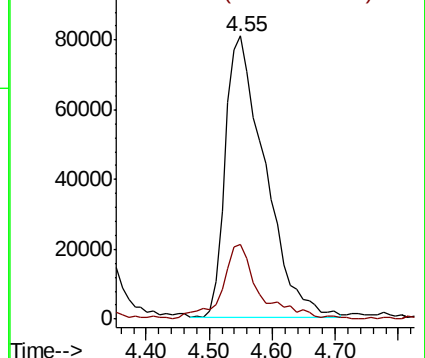
Ion Ratio Lower Upper

43 100

72 26.6 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 18.729 ug/l

RT: 3.80 min Scan# 331

Delta R.T. -0.00 min

Lab File: VF062795.D

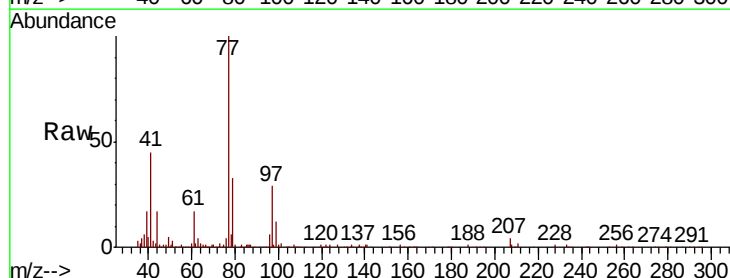
Acq: 30 May 2019 15:03

Tgt Ion: 77 Resp: 148347

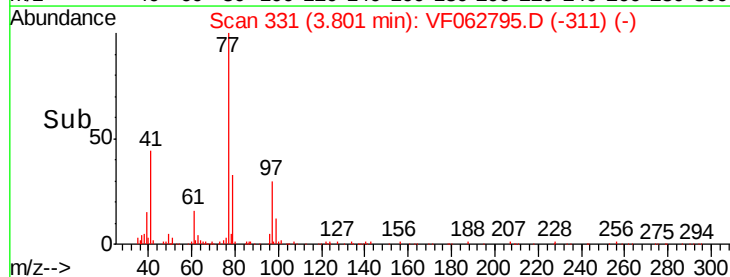
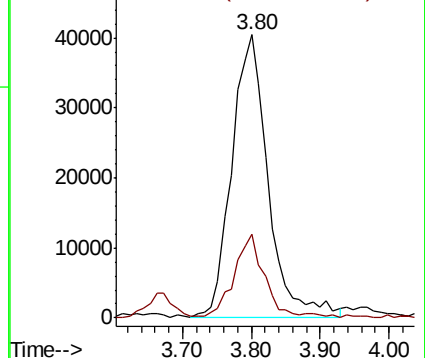
Ion Ratio Lower Upper

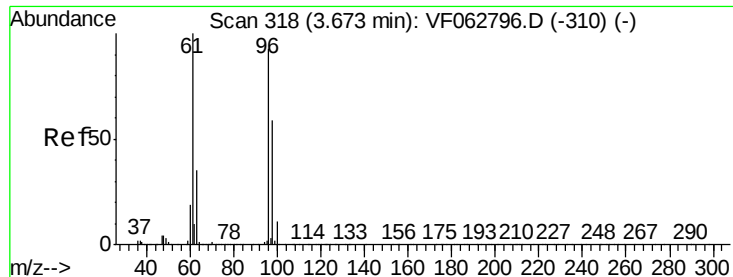
77 100

97 29.5 12.4 37.4



Abundance Ion 77.00 (76.70 to 77.70): VF0
Ion 97.00 (96.70 to 97.70): VF0



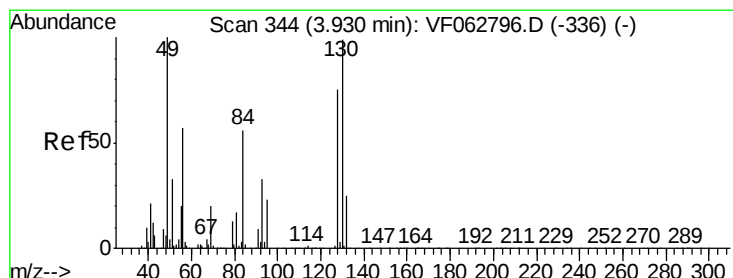
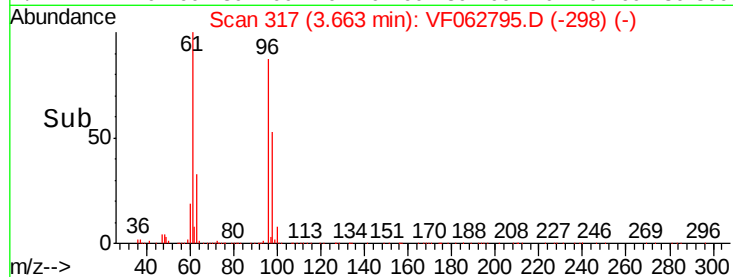
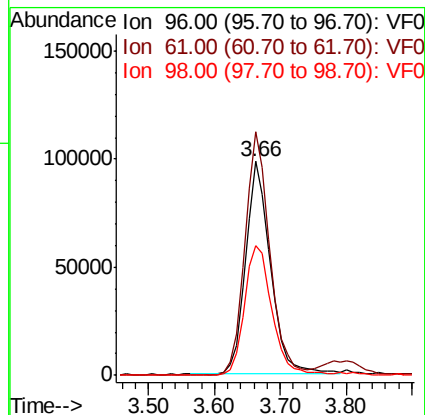
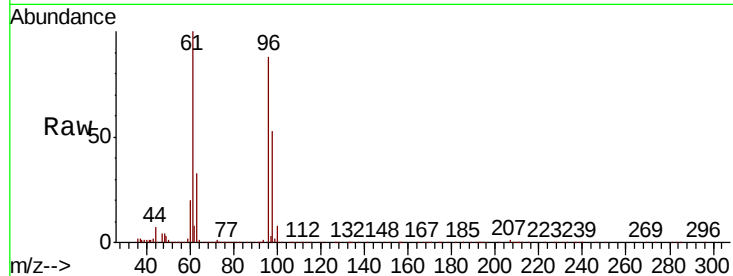


#27

cis-1,2-Dichloroethene
Concen: 18.933 ug/l
RT: 3.66 min Scan# 317
Delta R.T. -0.01 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

Instrument :
MSVOA_F
ClientSampled :

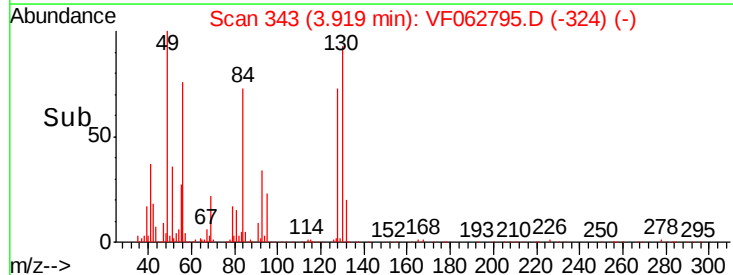
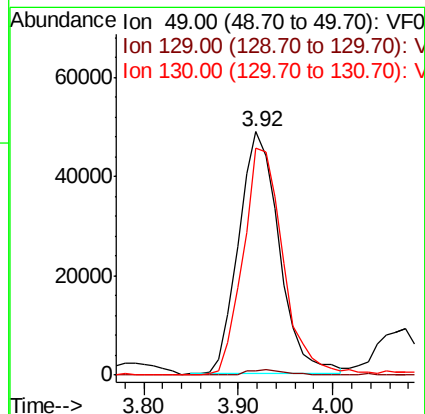
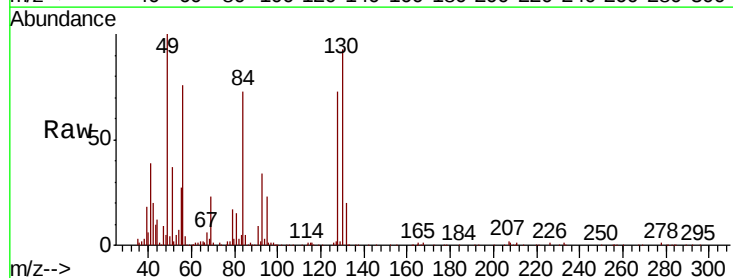
Tot Ion	Ratio	Lower	Upper
96	100		
61	114.0	0.0	213.8
98	60.5	0.0	127.0

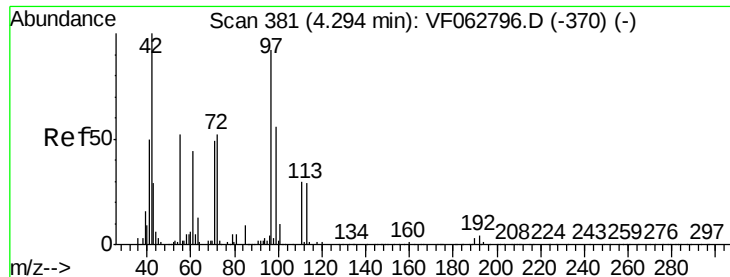


#28

Bromochloromethane
Concen: 19.155 ug/l
RT: 3.92 min Scan# 343
Delta R.T. -0.01 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	5.4
130	93.1	79.2	118.8





#29

Tetrahydrofuran

Concen: 103.460 ug/l

RT: 4.29 min Scan# 381

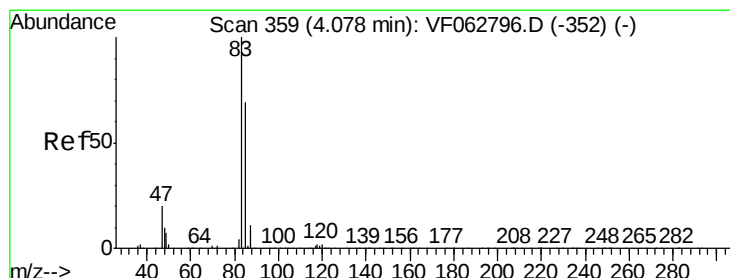
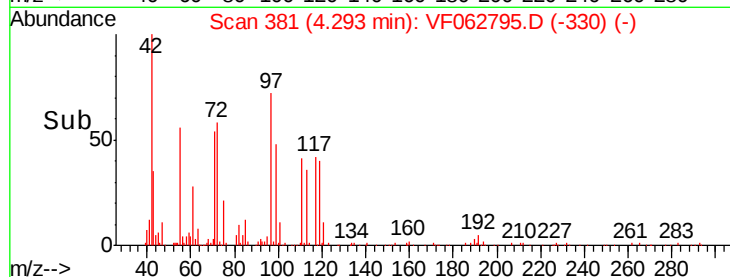
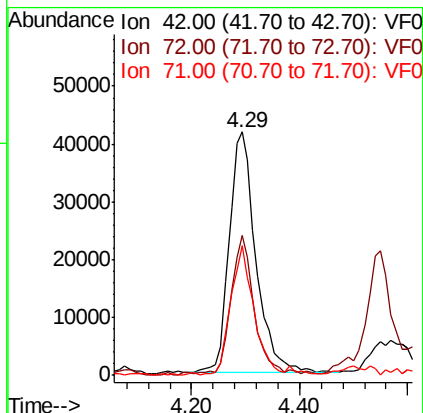
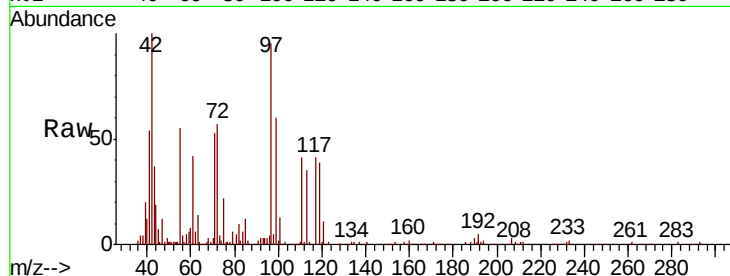
Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	42	Resp:	143233
Ion	Ratio	Lower	Upper
42	100		
72	49.8	39.0	58.6
71	45.9	36.9	55.3



#30

Chloroform

Concen: 19.415 ug/l

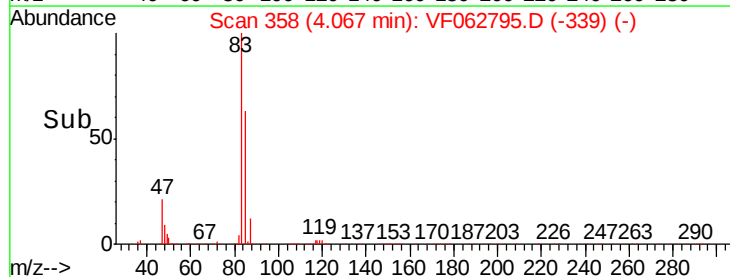
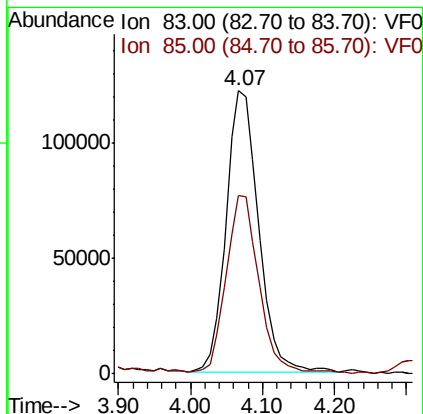
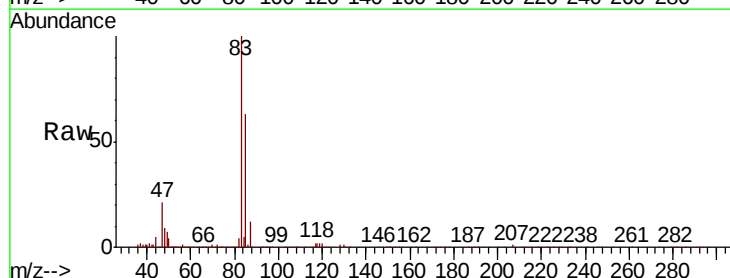
RT: 4.07 min Scan# 358

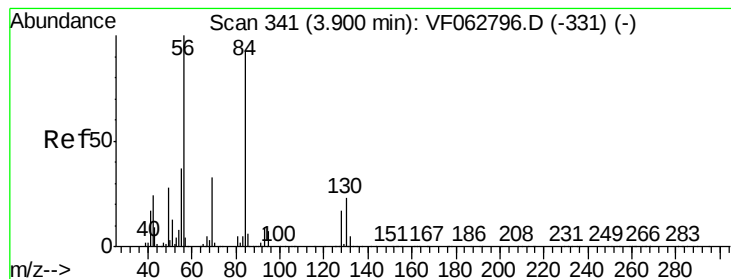
Delta R.T. -0.01 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Tgt Ion:	83	Resp:	380449
Ion	Ratio	Lower	Upper
83	100		
85	62.8	55.0	82.6





#31

Cyclohexane

Concen: 10.636 ug/l

RT: 3.89 min Scan# 340

Delta R.T. -0.01 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

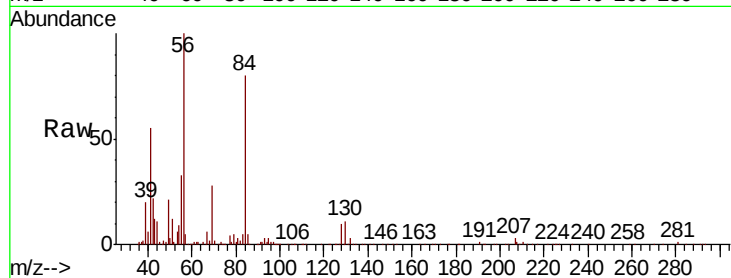
Tot Ion: 56 Resp: 198064

Ion Ratio Lower Upper

56 100

69 28.4 26.7 40.1

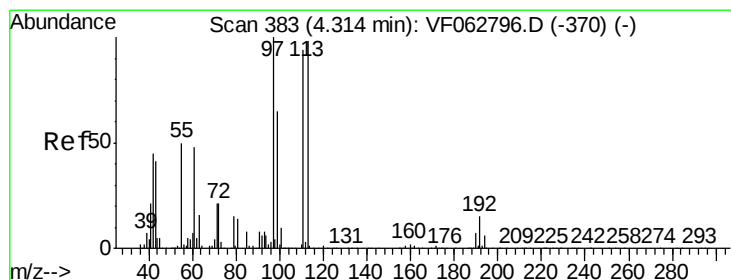
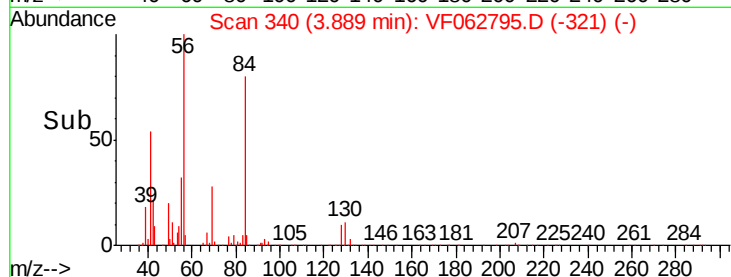
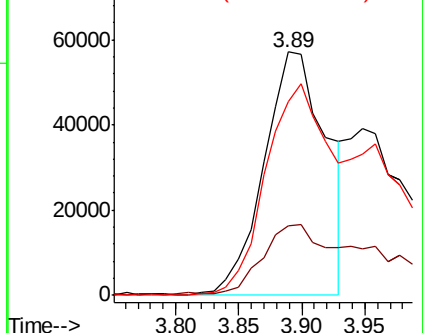
84 79.6 74.3 111.5



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 18.416 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.01 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

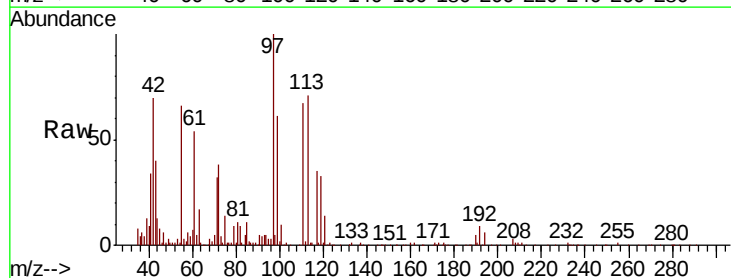
Tgt Ion: 97 Resp: 199529

Ion Ratio Lower Upper

97 100

99 61.2 51.7 77.5

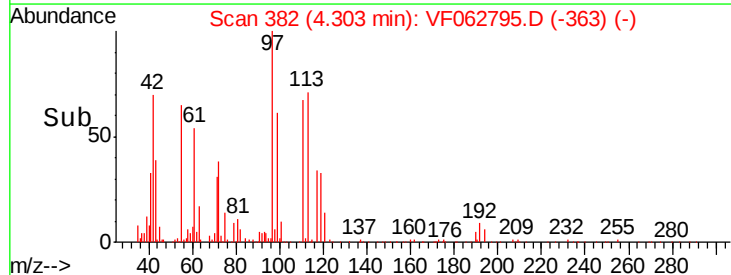
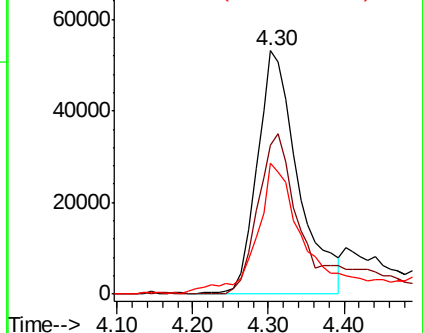
61 53.8 38.9 58.3

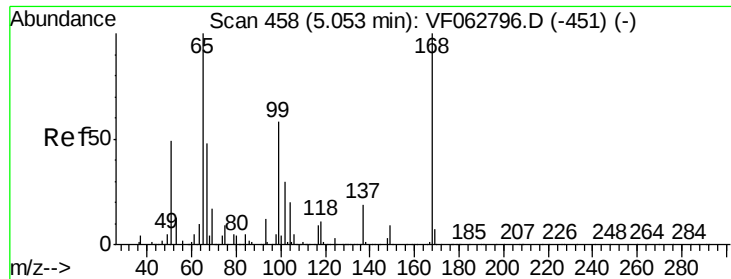


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 18.961 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_F

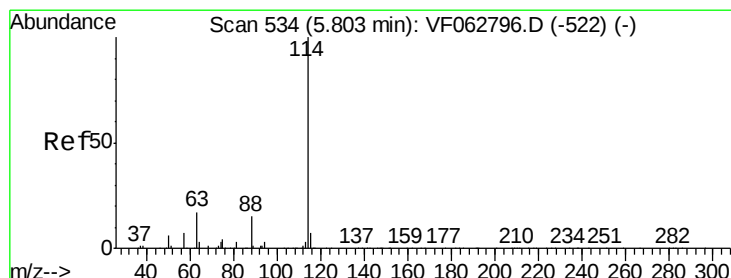
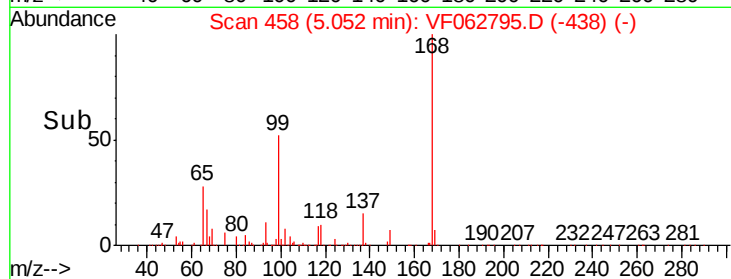
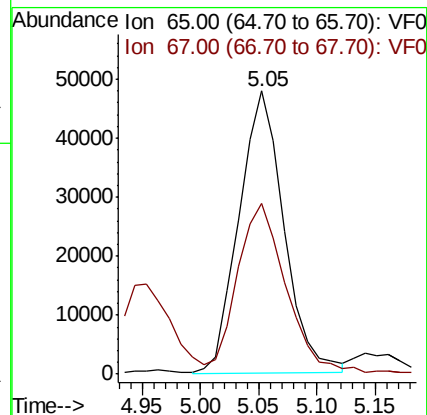
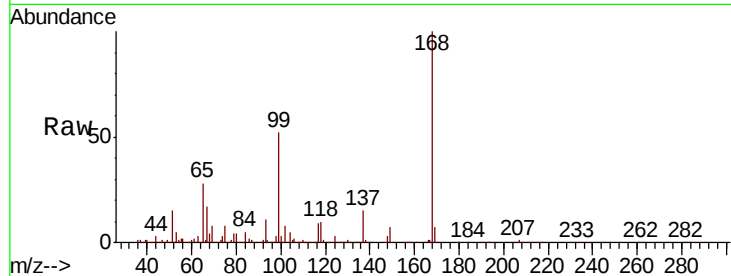
ClientSampled :

Tot Ion: 65 Resp: 128602

Ion Ratio Lower Upper

65 100

67 60.2 0.0 121.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 533

Delta R.T. -0.01 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

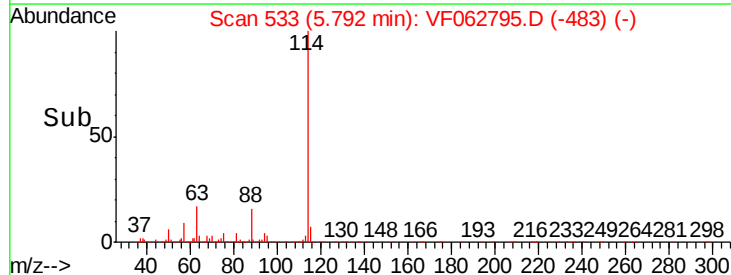
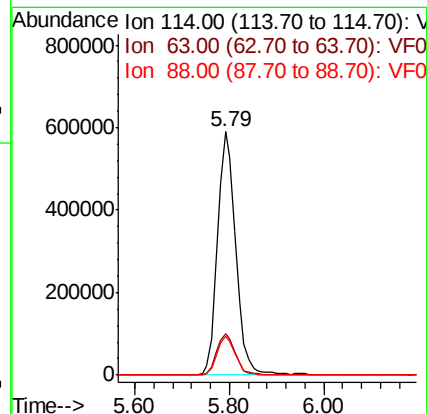
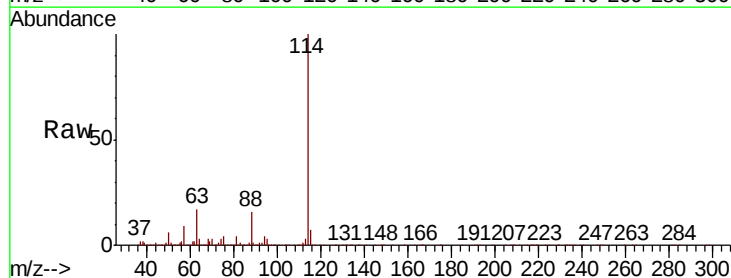
Tgt Ion: 114 Resp: 1581234

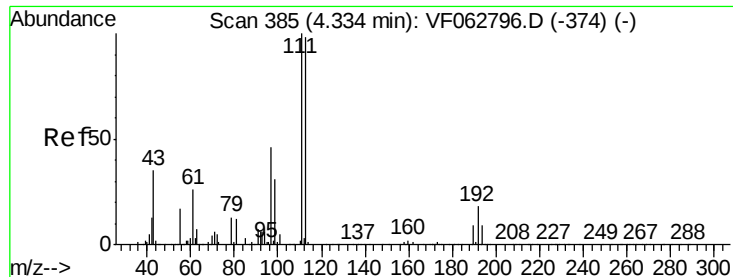
Ion Ratio Lower Upper

114 100

63 17.2 0.0 34.2

88 16.1 0.0 31.2

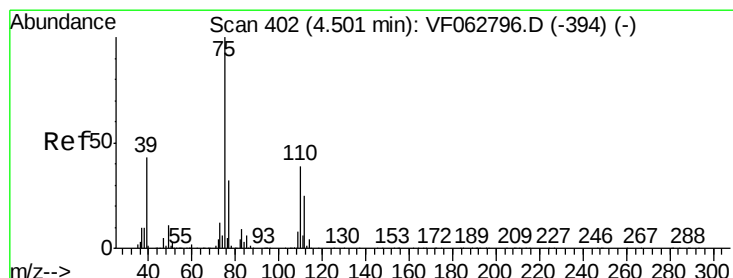
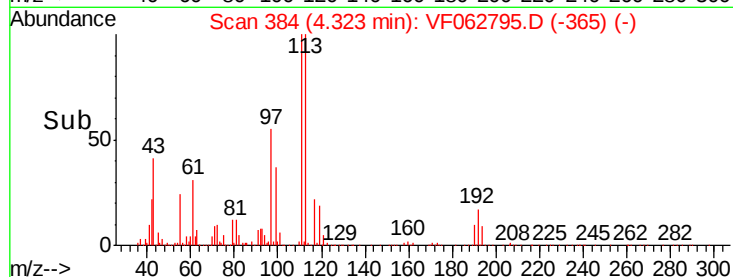
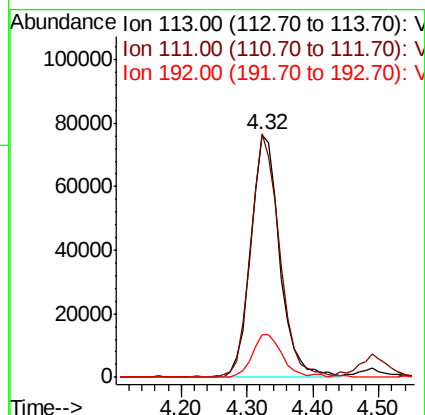
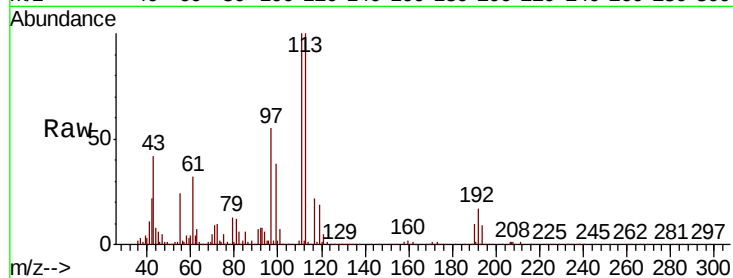




#35
 Dibromofluoromethane
 Concen: 19.249 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. -0.01 min
 Lab File: VF062795.D
 Acq: 30 May 2019 15:03

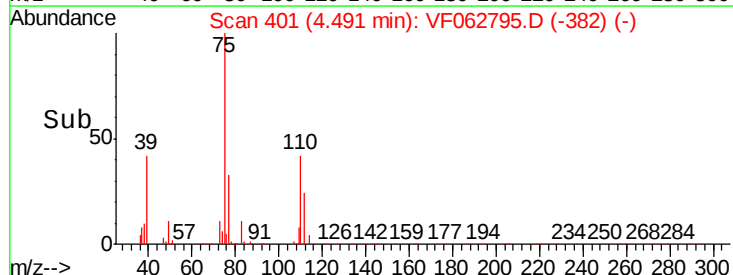
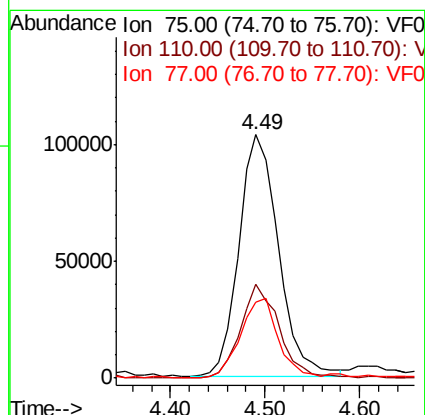
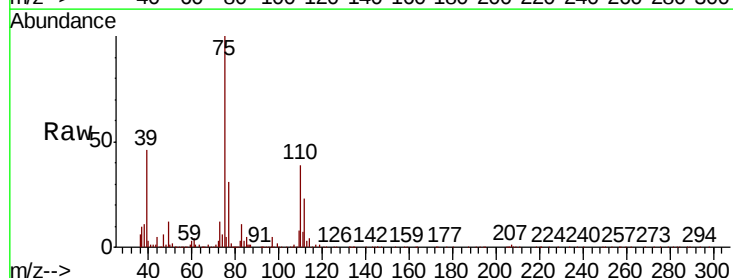
Instrument :
 MSVOA_F
 ClientSampleId :

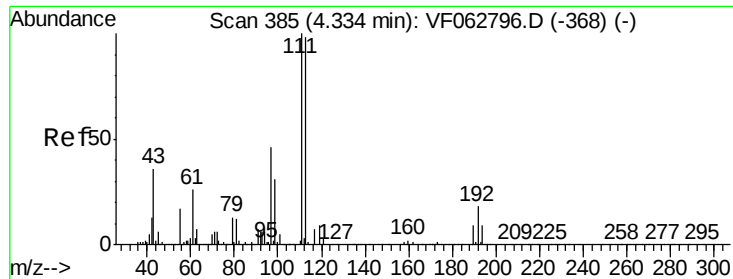
Tot Ion:113 Resp: 236471
 Ion Ratio Lower Upper
 113 100
 111 100.2 81.9 122.9
 192 17.3 15.1 22.7



#36
 1,1-Dichloropropene
 Concen: 19.541 ug/l
 RT: 4.49 min Scan# 401
 Delta R.T. -0.01 min
 Lab File: VF062795.D
 Acq: 30 May 2019 15:03

Tgt Ion: 75 Resp: 301237
 Ion Ratio Lower Upper
 75 100
 110 38.6 19.4 58.1
 77 31.3 25.4 38.2

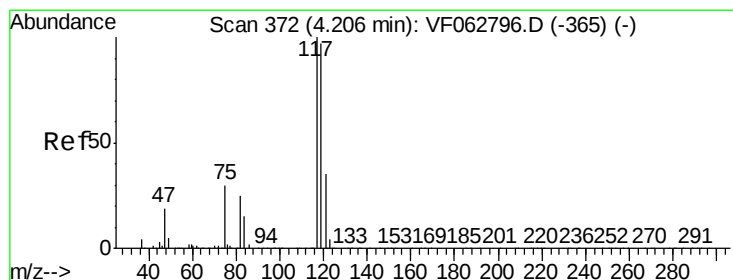
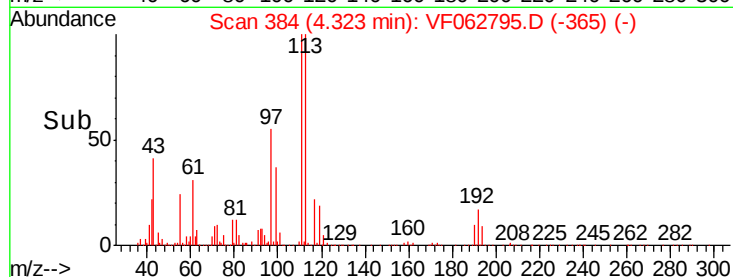
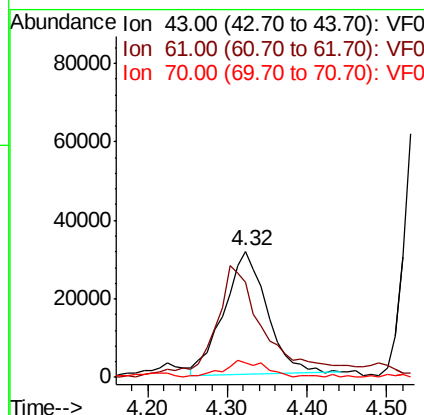
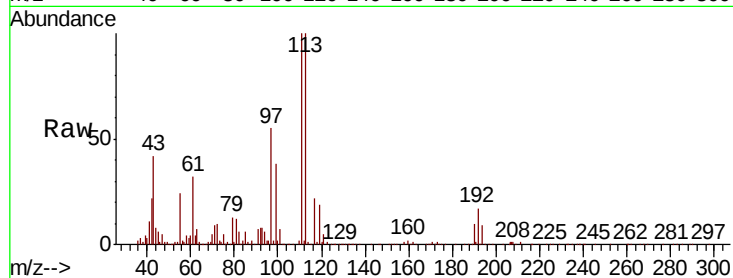




#37
Ethyl Acetate
Concen: 19.015 ug/l
RT: 4.32 min Scan# 384
Delta R.T. -0.01 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

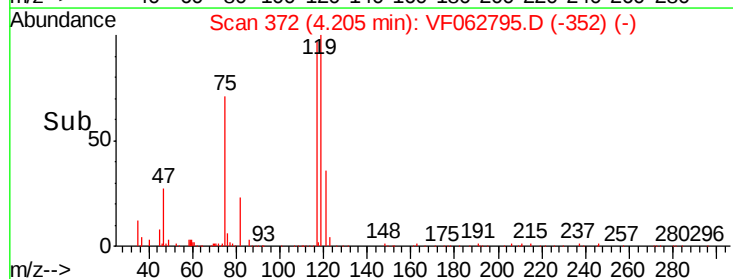
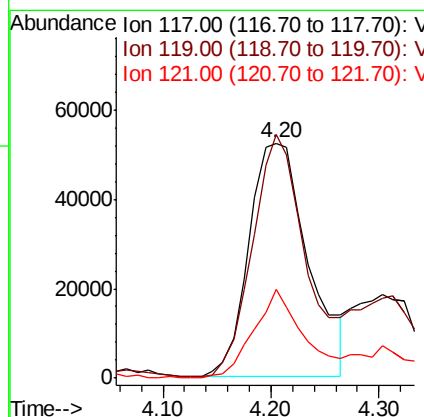
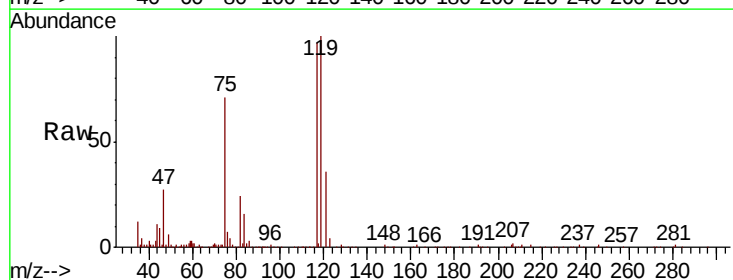
Instrument :
MSVOA_F
ClientSampleId :

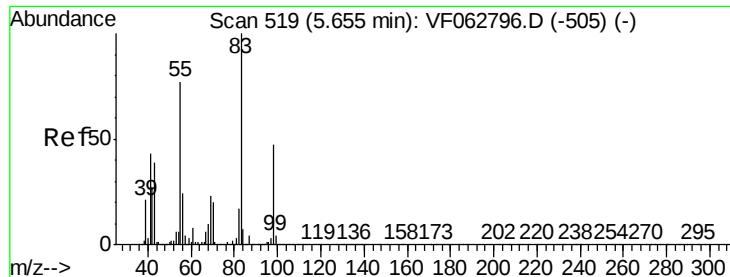
Tot Ion: 43 Resp: 118133
Ion Ratio Lower Upper
43 100
61 75.4 59.1 88.7
70 11.5 10.1 15.1



#38
Carbon Tetrachloride
Concen: 19.352 ug/l
RT: 4.20 min Scan# 372
Delta R.T. -0.00 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

Tgt Ion: 117 Resp: 199650
Ion Ratio Lower Upper
117 100
119 103.5 78.2 117.2
121 37.5 28.2 42.2

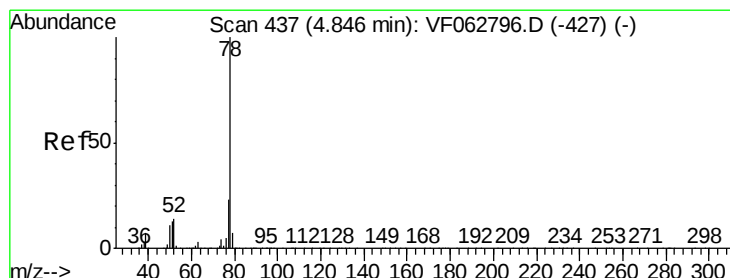
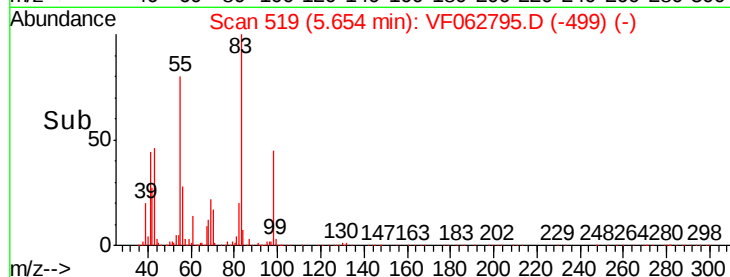
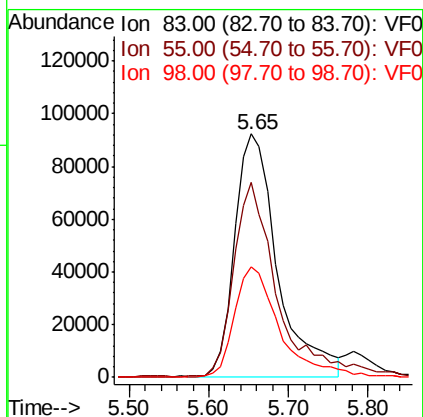
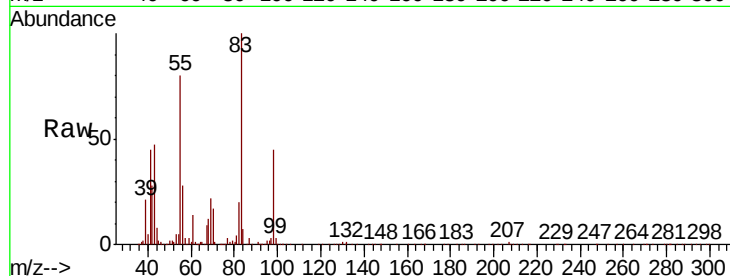




#39
Methvlcvclohexane
Concen: 18.448 ug/l
RT: 5.65 min Scan# 519
Delta R.T. -0.00 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

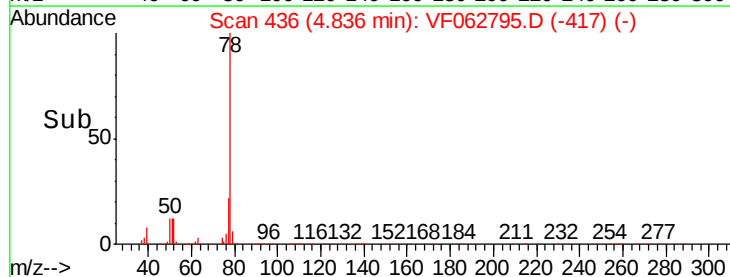
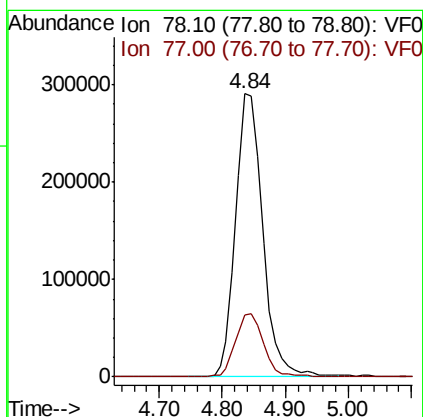
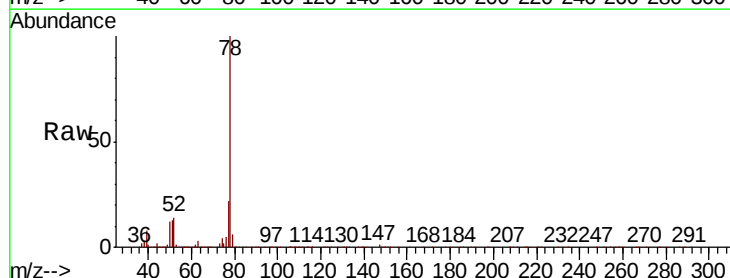
Instrument :
MSVOA_F
ClientSampleId :

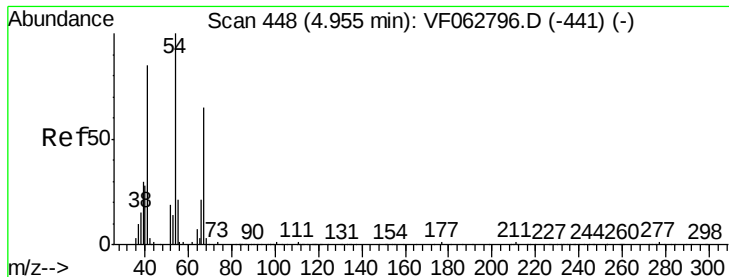
Tot Ion	83	Resp	346727
Ion	Ratio	Lower	Upper
83	100		
55	80.0	61.6	92.4
98	45.3	37.4	56.2



#40
Benzene
Concen: 19.013 ug/l
RT: 4.84 min Scan# 436
Delta R.T. -0.01 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

Tgt Ion	78	Resp	864722
Ion	Ratio	Lower	Upper
78	100		
77	21.8	18.9	28.3





#41

Methacrylonitrile

Concen: 19.308 ug/l

RT: 4.96 min Scan# 449

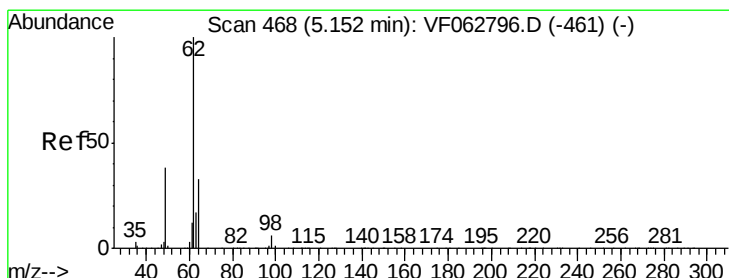
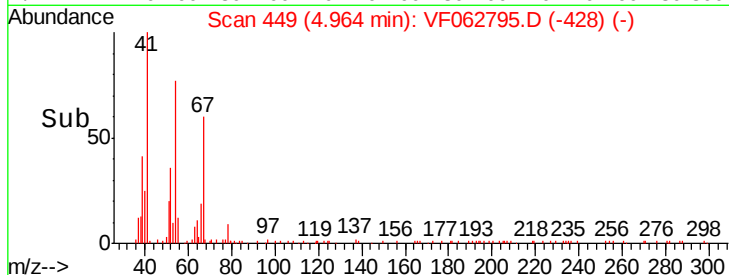
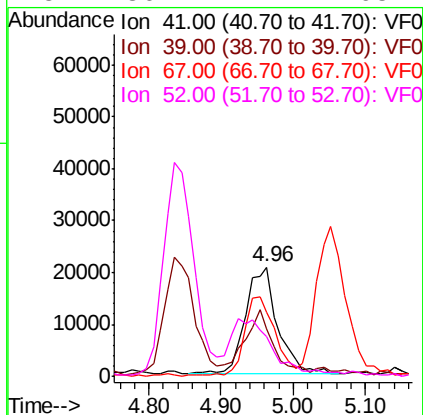
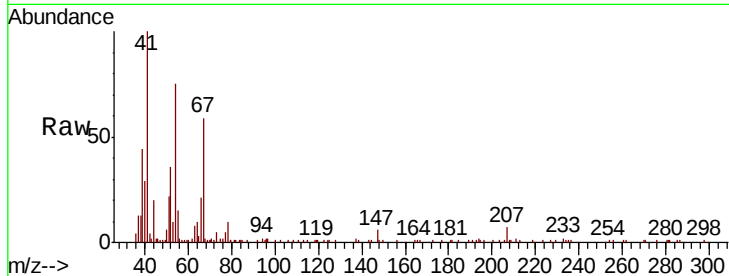
Delta R.T. 0.01 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	41	Resp:	65152
Ion	Ratio	Lower	Upper
41	100		
39	43.7	42.0	63.0
67	58.8	61.4	92.0#
52	36.2	42.1	63.1#



#42

1,2-Dichloroethane

Concen: 20.385 ug/l

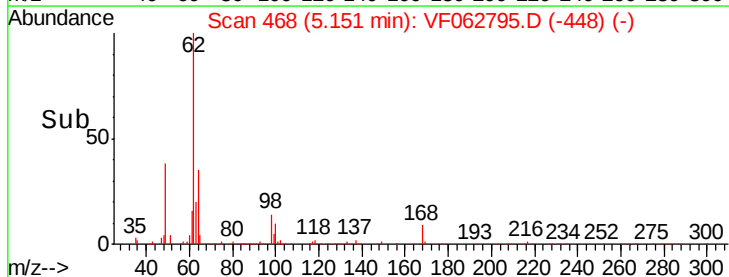
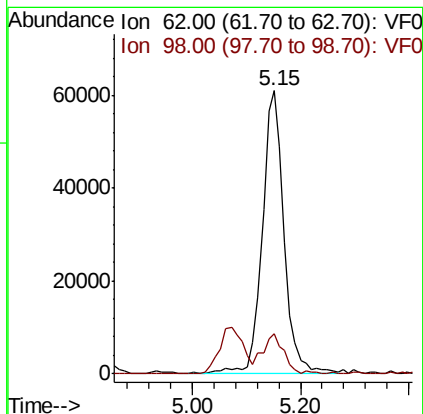
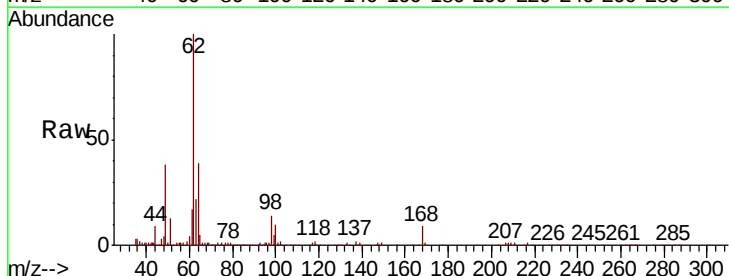
RT: 5.15 min Scan# 468

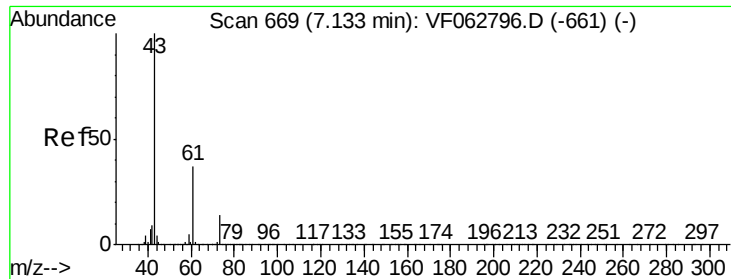
Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Tgt Ion:	62	Resp:	172310
Ion	Ratio	Lower	Upper
62	100		
98	14.2	0.0	24.0

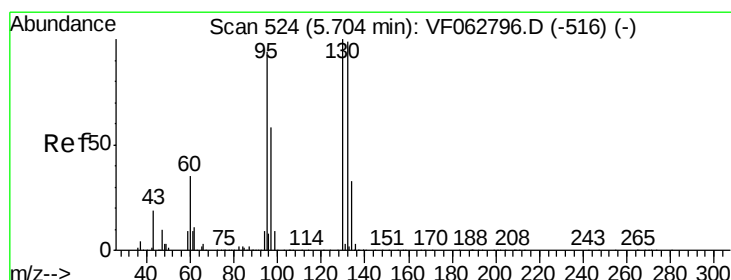
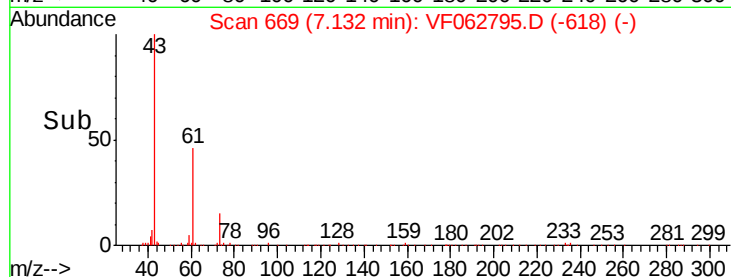
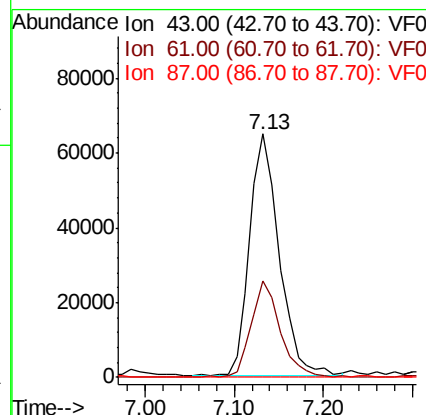
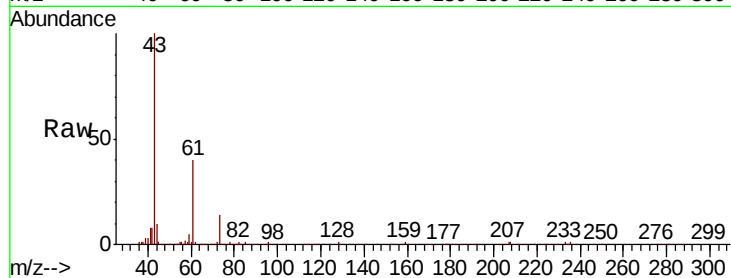




#43
Isopropyl Acetate
Concen: 19.519 ug/l
RT: 7.13 min Scan# 669
Delta R.T. -0.00 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

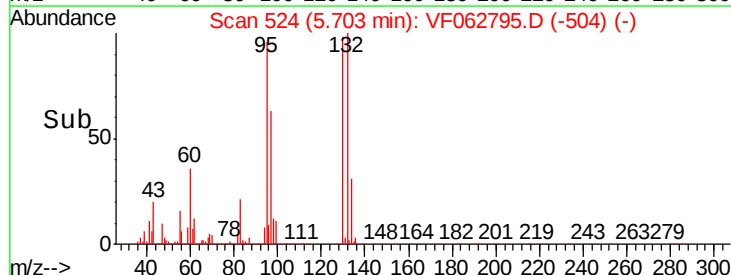
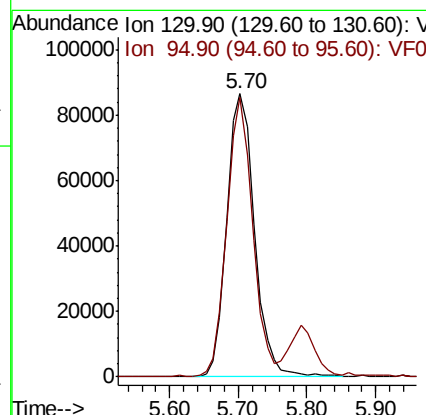
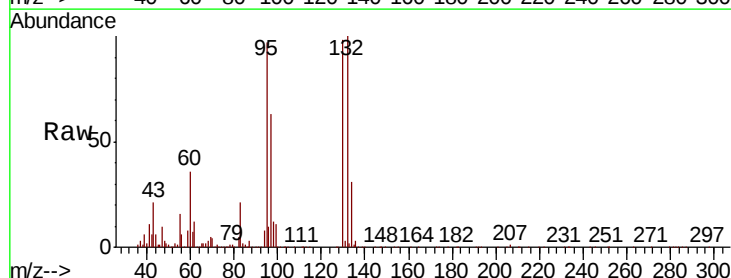
Instrument :
MSVOA_F
ClientSampleId :

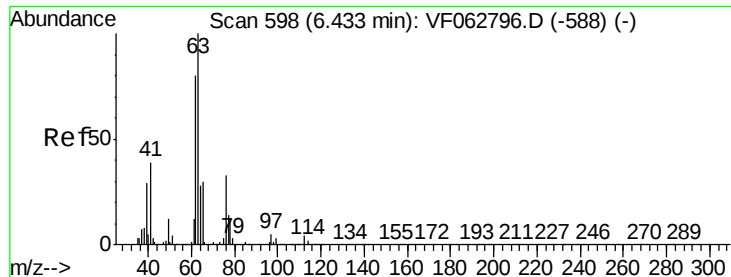
Tot Ion: 43 Resp: 150296
Ion Ratio Lower Upper
43 100
61 39.8 29.8 44.6
87 0.2 0.3 0.5#



#44
Trichloroethene
Concen: 19.012 ug/l
RT: 5.70 min Scan# 524
Delta R.T. -0.00 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

Tgt Ion: 130 Resp: 242240
Ion Ratio Lower Upper
130 100
95 98.8 0.0 188.2





#45

1,2-Dichloropropane

Concen: 18.912 ug/l

RT: 6.42 min Scan# 597

Delta R.T. -0.01 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

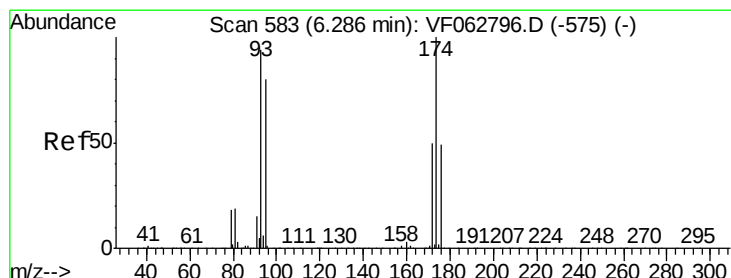
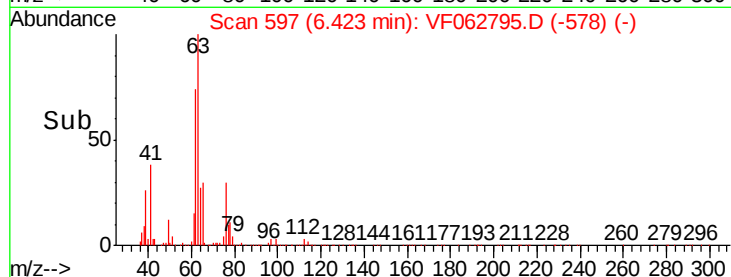
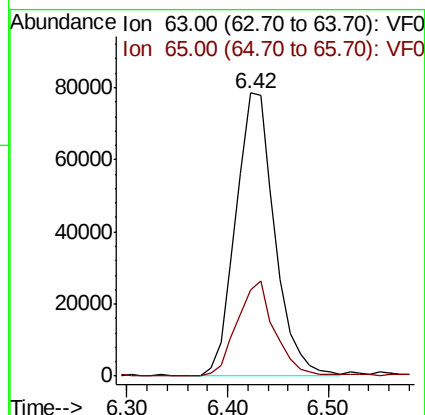
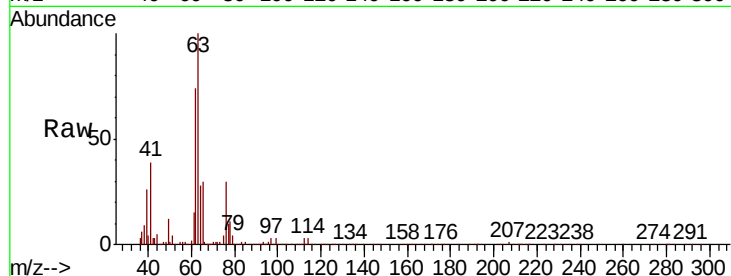
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 211790

Ion Ratio Lower Upper

63 100

65 30.4 24.2 36.2



#46

Dibromomethane

Concen: 18.398 ug/l

RT: 6.28 min Scan# 583

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

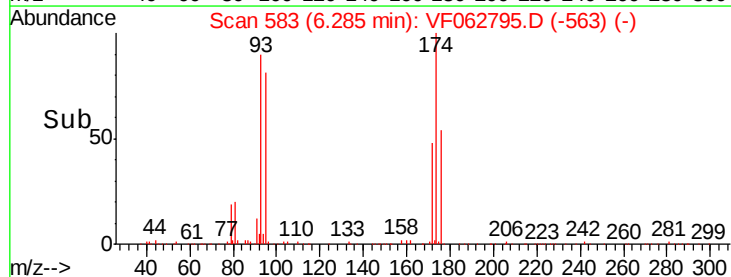
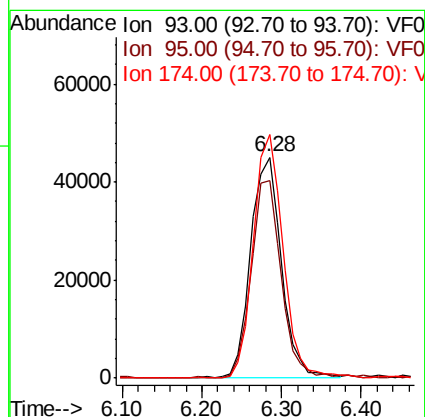
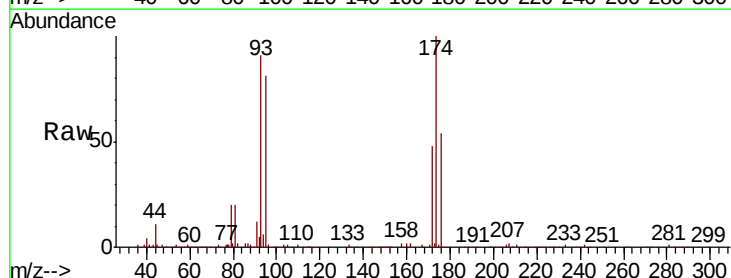
Tgt Ion: 93 Resp: 119773

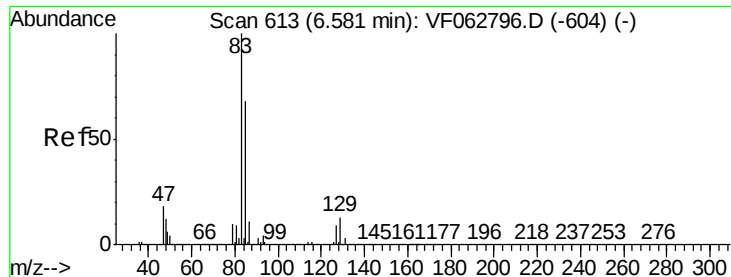
Ion Ratio Lower Upper

93 100

95 89.6 67.9 101.9

174 110.3 85.0 127.4





#47

Bromodichloromethane

Concen: 19.020 ug/l

RT: 6.57 min Scan# 612

Delta R.T. -0.01 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :
MSVOA_F
ClientSampled :

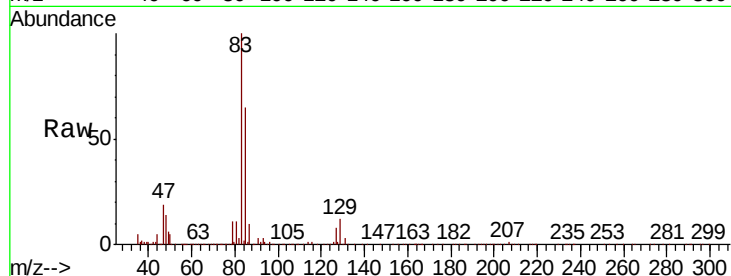
Tot Ion: 83 Resp: 252244

Ion Ratio Lower Upper

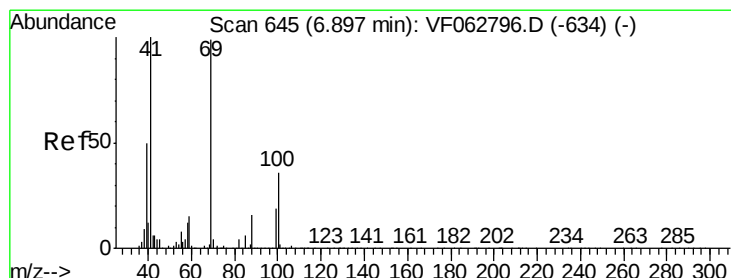
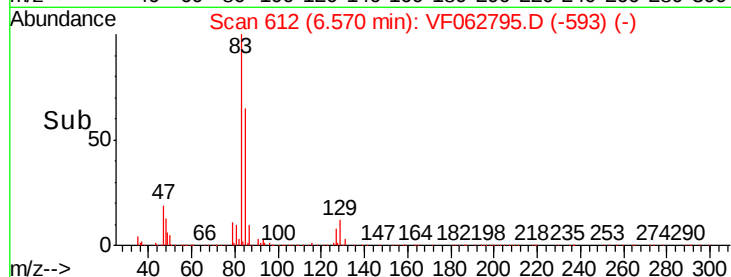
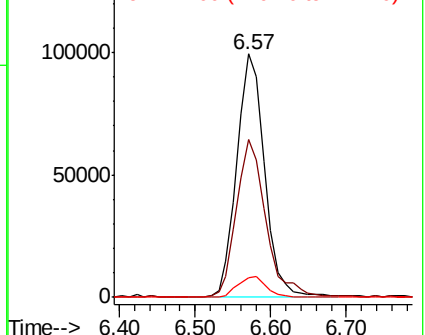
83 100

85 64.8 54.2 81.4

127 8.9 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: 19.284 ug/l

RT: 6.90 min Scan# 645

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

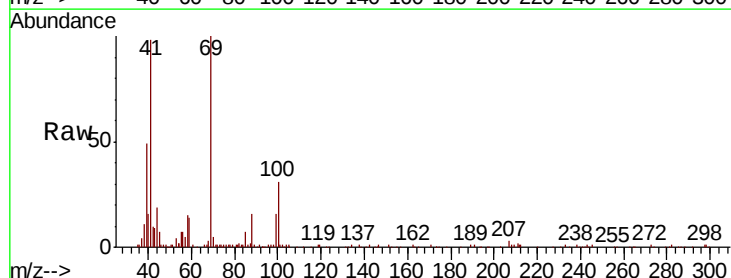
Tgt Ion: 41 Resp: 75694

Ion Ratio Lower Upper

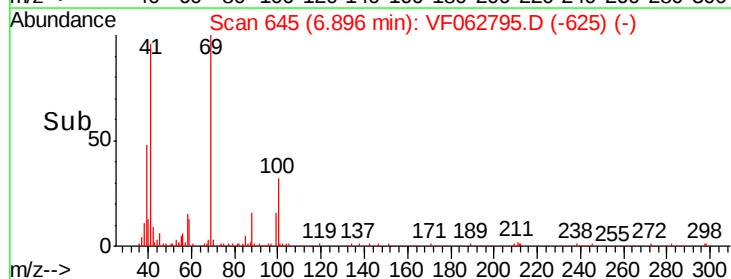
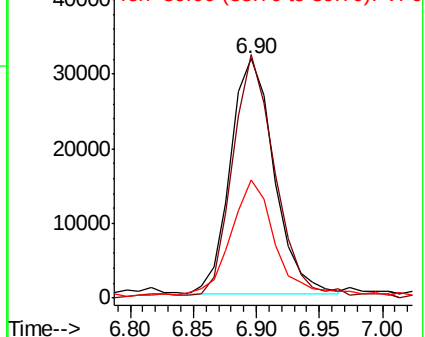
41 100

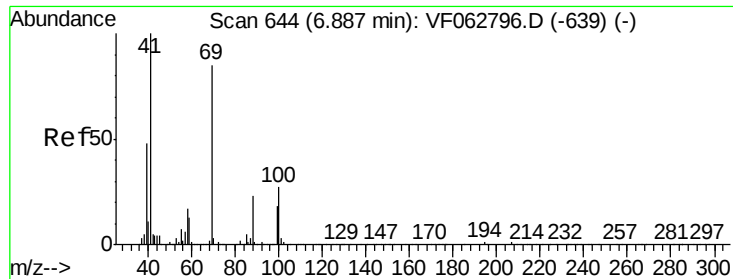
69 101.8 79.4 119.2

39 49.5 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

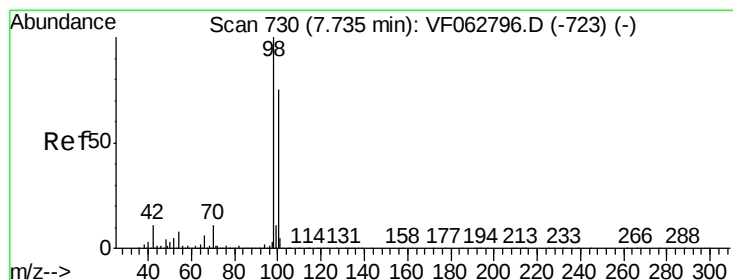
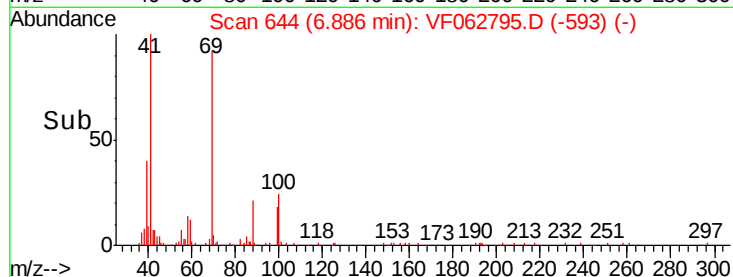
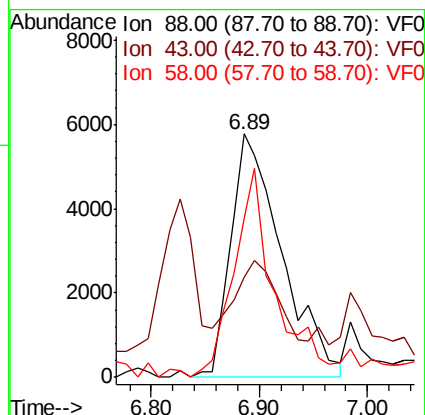
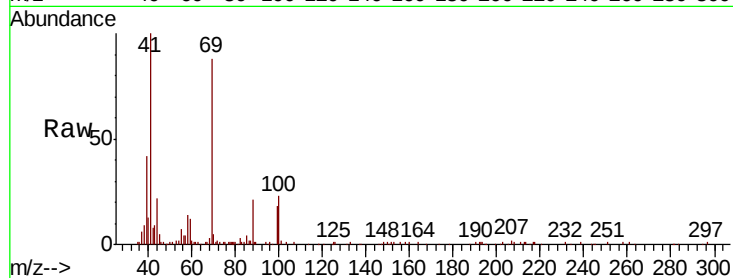




#49
1,4-Dioxane
Concen: 401.418 ug/l
RT: 6.89 min Scan# 644
Delta R.T. -0.00 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

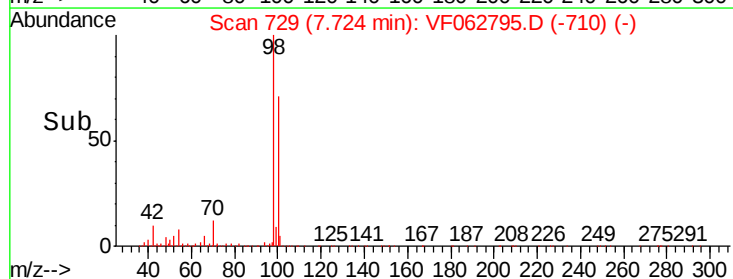
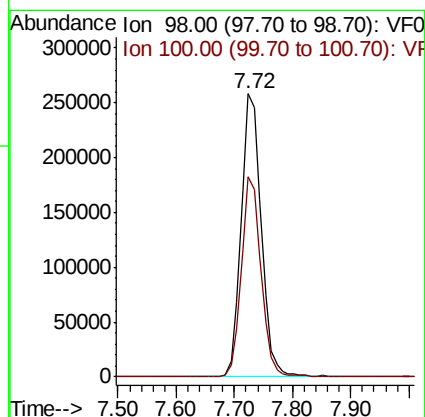
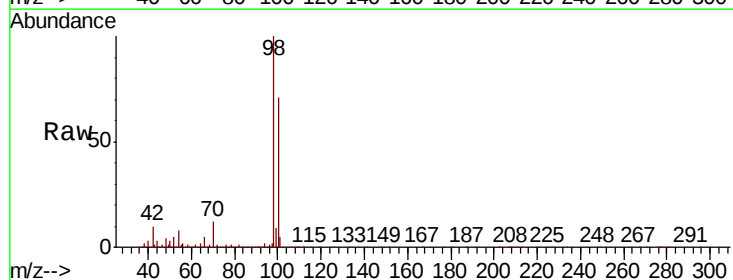
Instrument :
MSVOA_F
ClientSampleId :

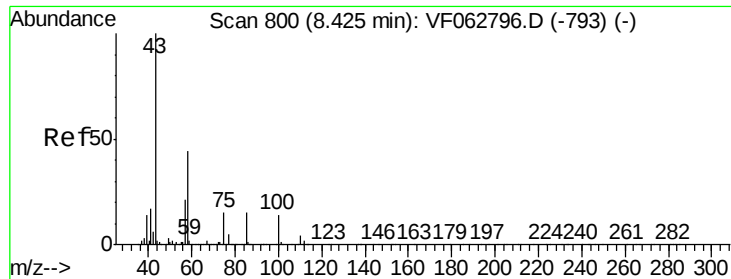
Tot Ion: 88 Resp: 19004
Ion Ratio Lower Upper
88 100
43 41.3 34.8 52.2
58 65.5 59.9 89.9



#50
Toluene-d8
Concen: 19.428 ug/l
RT: 7.72 min Scan# 729
Delta R.T. -0.01 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

Tgt Ion: 98 Resp: 619406
Ion Ratio Lower Upper
98 100
100 70.8 59.8 89.8





#51

4-Methyl-2-Pentanone

Concen: 95.213 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_F

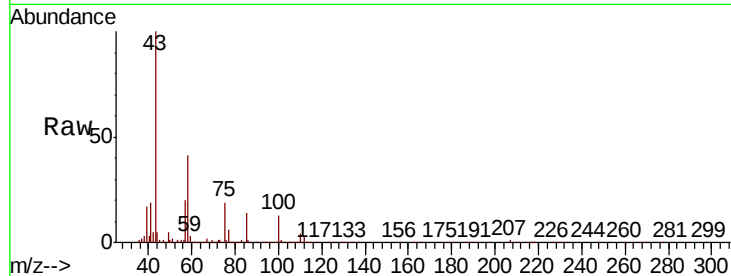
ClientSampleId :

Tot Ion: 43 Resp: 563916

Ion Ratio Lower Upper

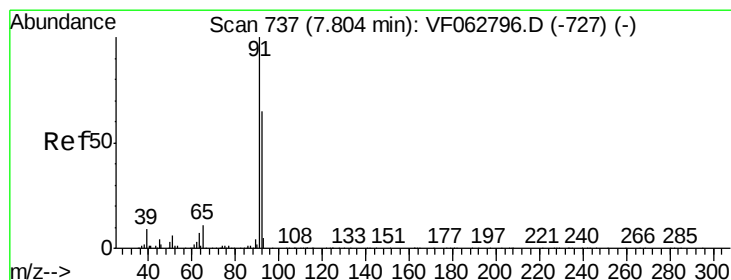
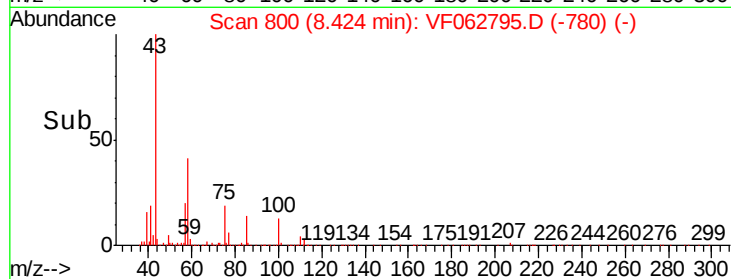
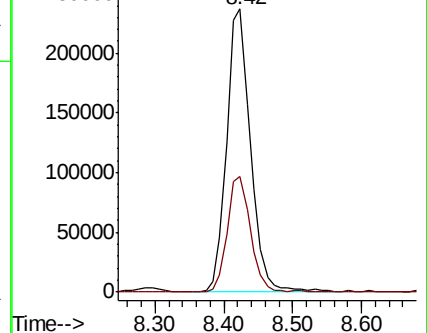
43 100

58 40.8 35.5 53.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 19.345 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.01 min

Lab File: VF062795.D

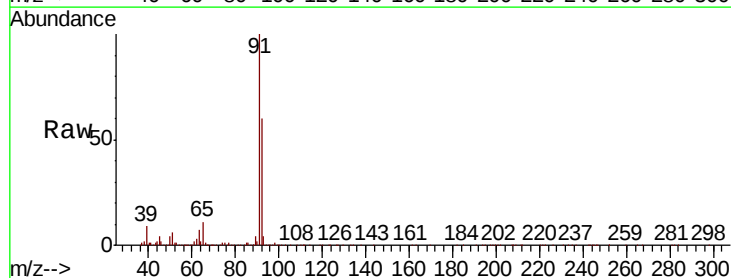
Acq: 30 May 2019 15:03

Tgt Ion: 92 Resp: 460484

Ion Ratio Lower Upper

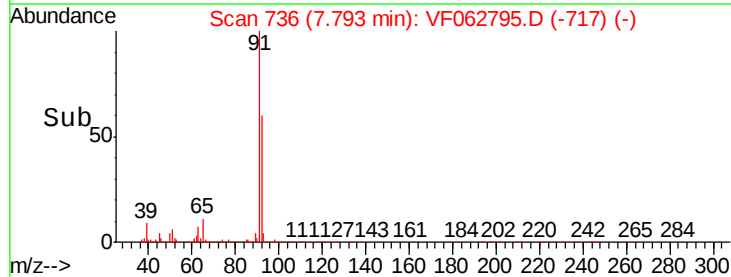
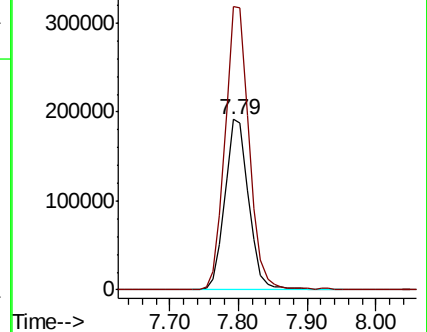
92 100

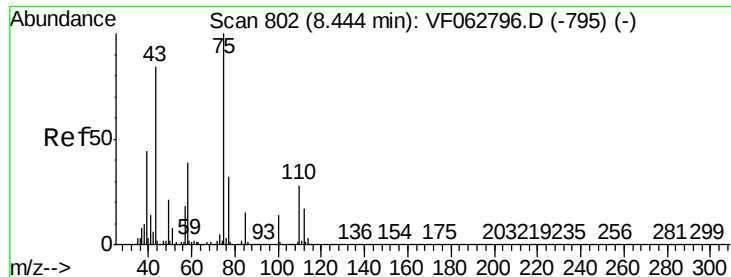
91 166.3 123.2 184.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

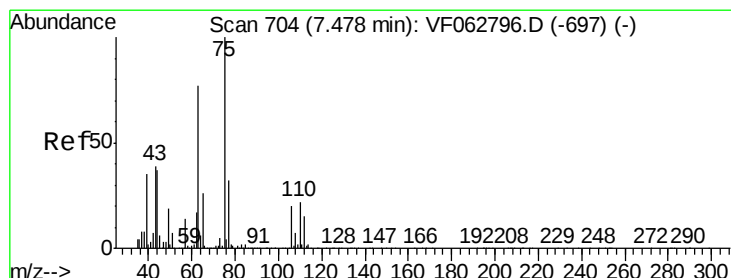
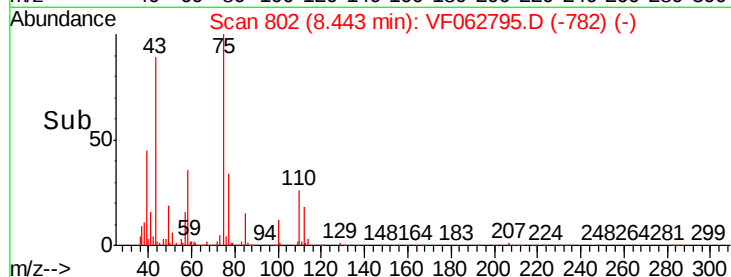
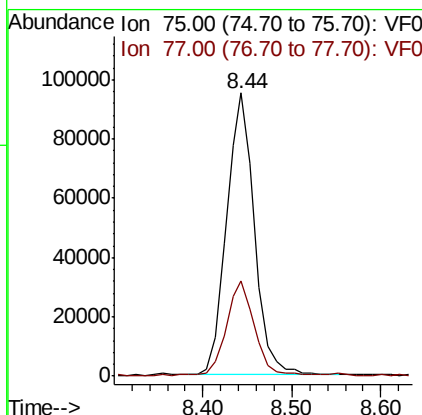
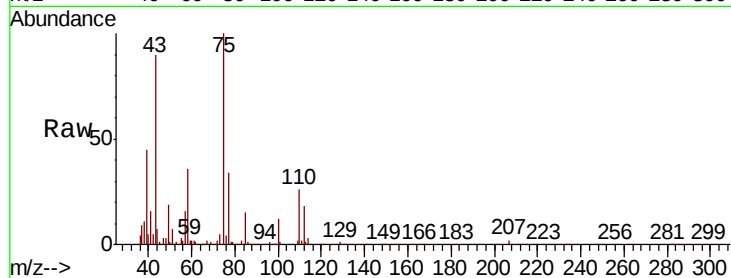




#53
 t-1,3-Dichloropropene
 Concen: 18.984 ug/l
 RT: 8.44 min Scan# 802
 Delta R.T. -0.00 min
 Lab File: VF062795.D
 Acq: 30 May 2019 15:03

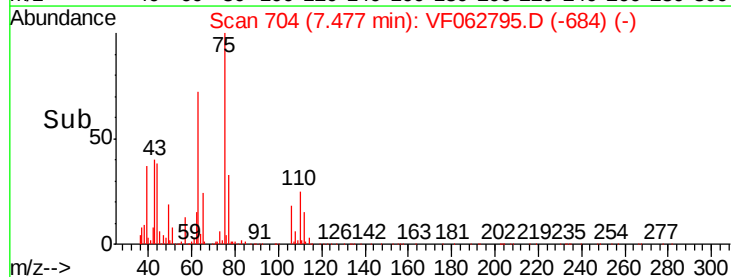
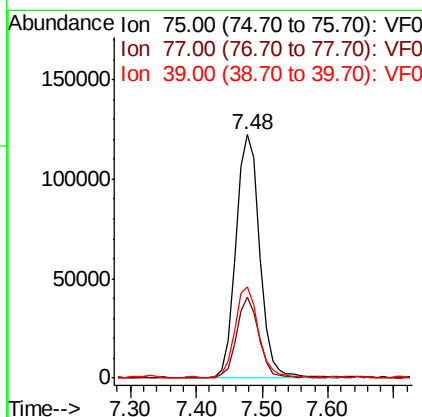
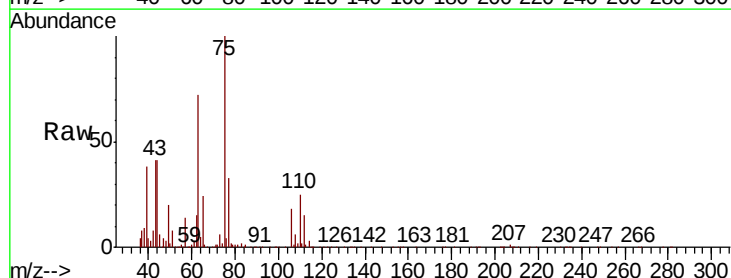
Instrument :
 MSVOA_F
 ClientSampleId :

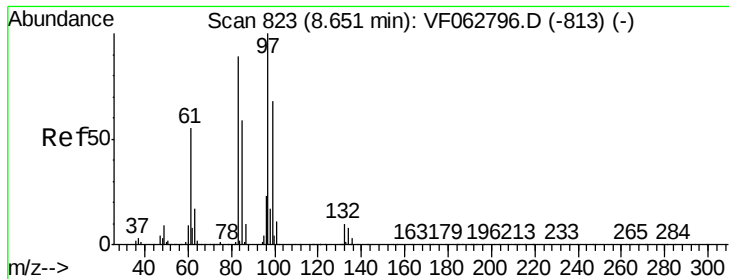
Tot Ion: 75 Resp: 208417
 Ion Ratio Lower Upper
 75 100
 77 33.8 25.7 38.5



#54
 cis-1,3-Dichloropropene
 Concen: 19.744 ug/l
 RT: 7.48 min Scan# 704
 Delta R.T. -0.00 min
 Lab File: VF062795.D
 Acq: 30 May 2019 15:03

Tgt Ion: 75 Resp: 313730
 Ion Ratio Lower Upper
 75 100
 77 33.4 25.8 38.8
 39 37.6 28.4 42.6





#55

1,1,2-Trichloroethane

Concen: 18.670 ug/l

RT: 8.65 min Scan# 823

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 97 Resp: 136043

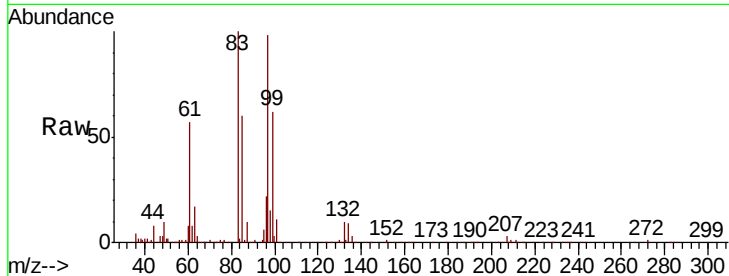
Ion Ratio Lower Upper

97 100

83 101.6 72.0 108.0

85 61.2 47.5 71.3

99 63.2 54.1 81.1

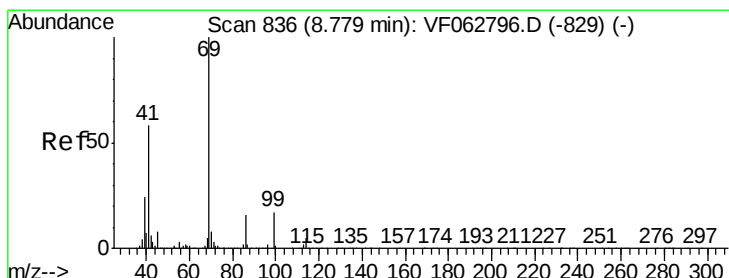
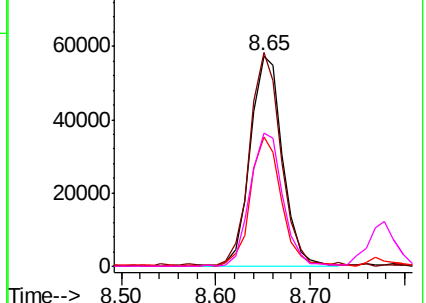
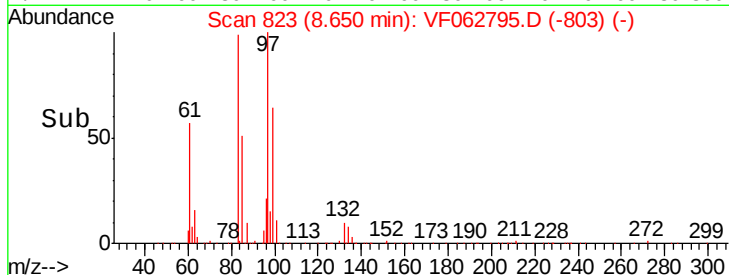


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 19.991 ug/l

RT: 8.78 min Scan# 836

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

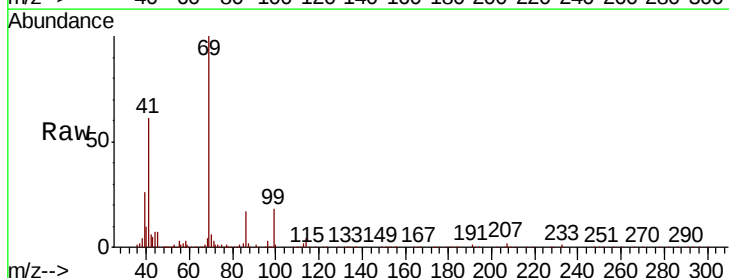
Tgt Ion: 69 Resp: 149427

Ion Ratio Lower Upper

69 100

41 61.1 46.6 69.8

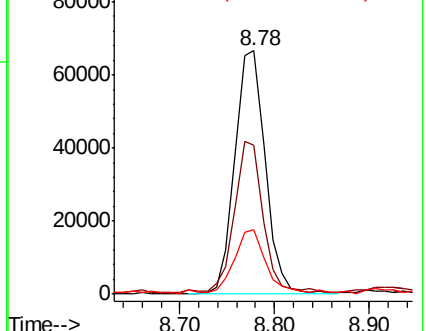
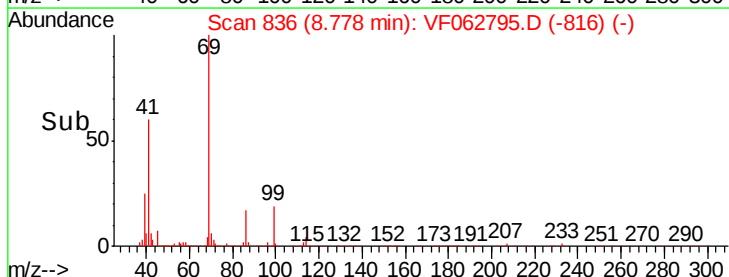
39 26.4 19.6 29.4

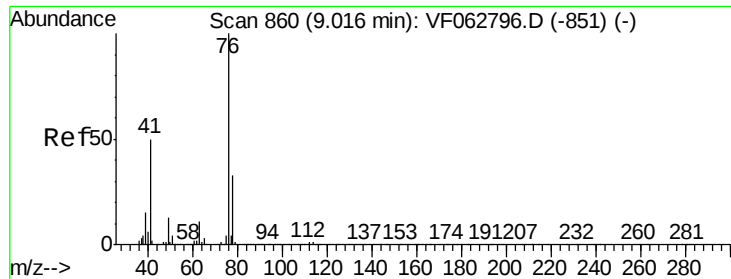


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 20.196 ug/l

RT: 9.01 min Scan# 860

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_F

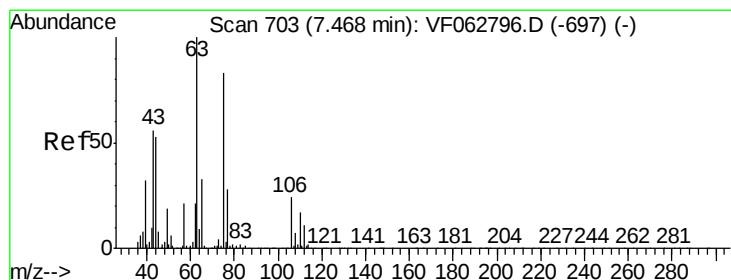
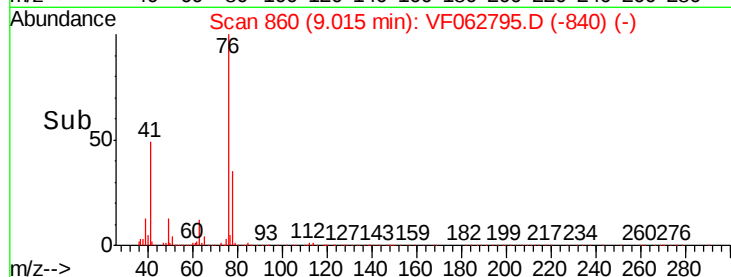
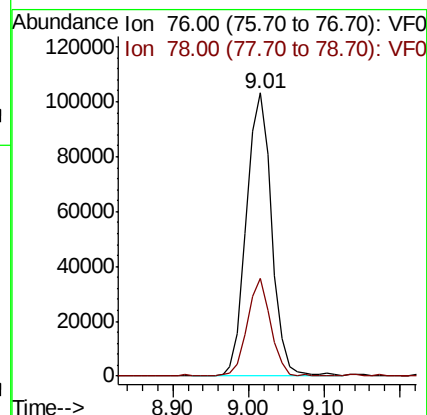
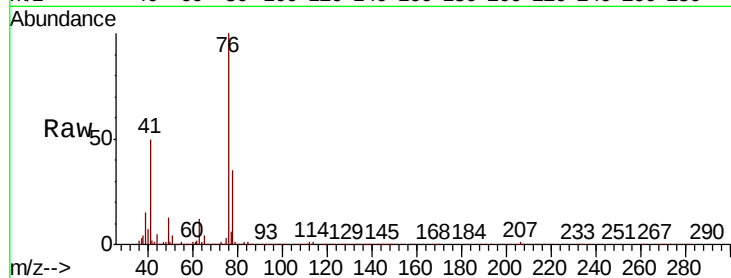
ClientSampleId :

Tot Ion: 76 Resp: 239425

Ion Ratio Lower Upper

76 100

78 34.8 26.8 40.2



#58

2-Chloroethyl Vinyl ether

Concen: 97.503 ug/l

RT: 7.47 min Scan# 703

Delta R.T. -0.00 min

Lab File: VF062795.D

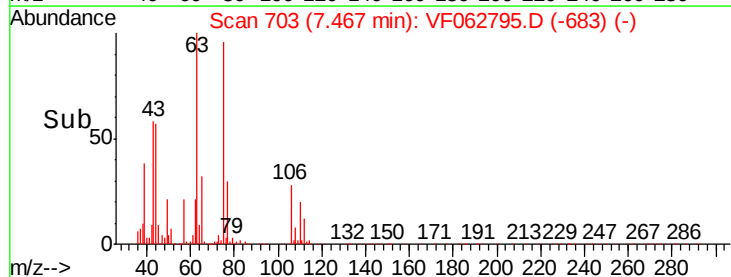
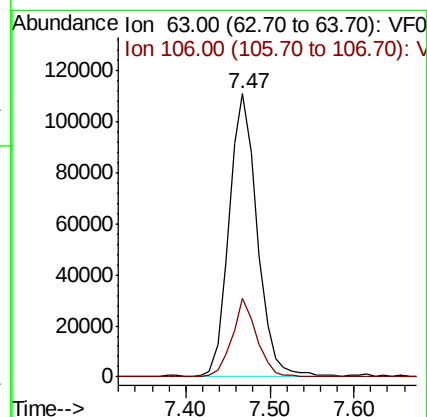
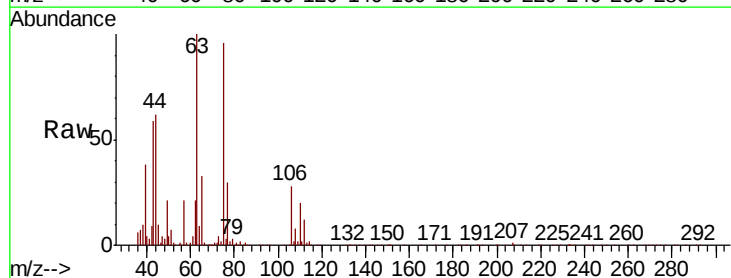
Acq: 30 May 2019 15:03

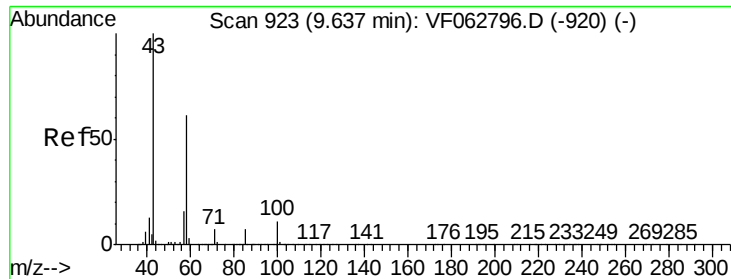
Tgt Ion: 63 Resp: 258105

Ion Ratio Lower Upper

63 100

106 27.9 19.5 29.3

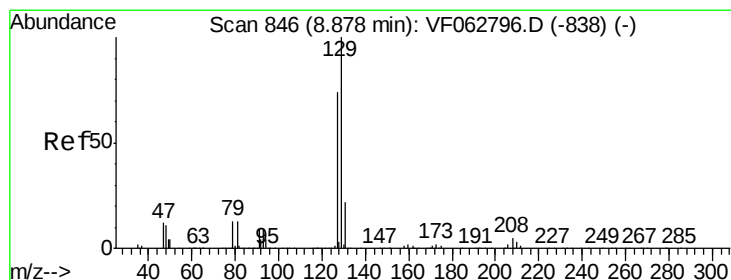
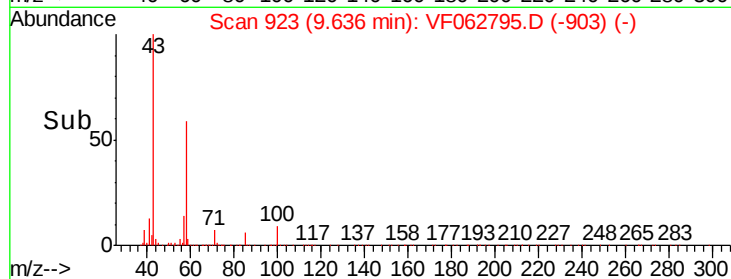
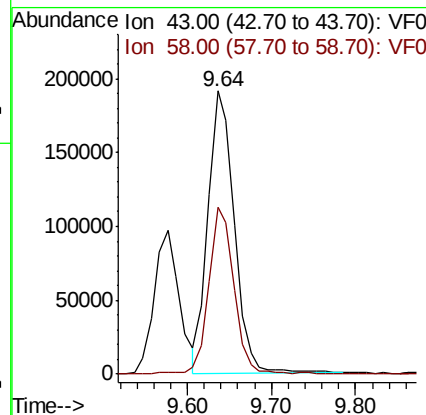
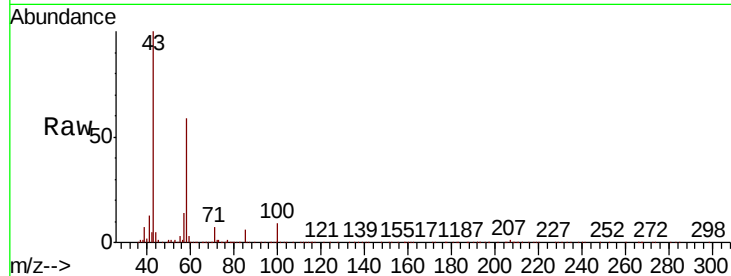




#59
2-Hexanone
Concen: 99.570 ug/l
RT: 9.64 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

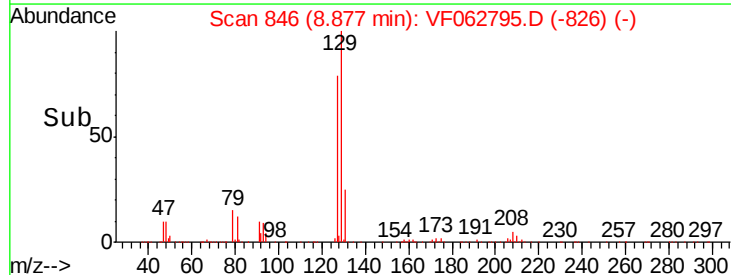
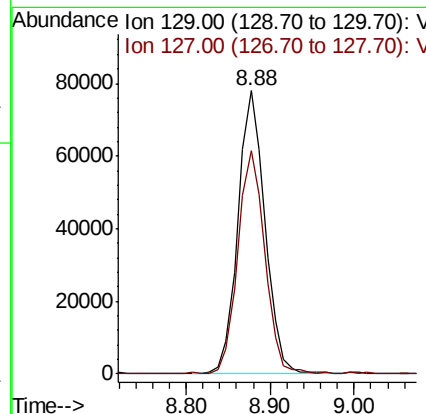
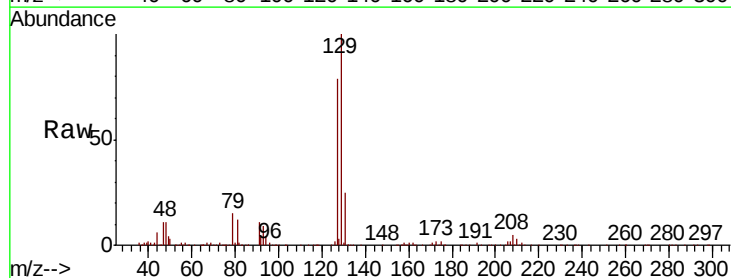
Instrument :
MSVOA_F
ClientSampleId :

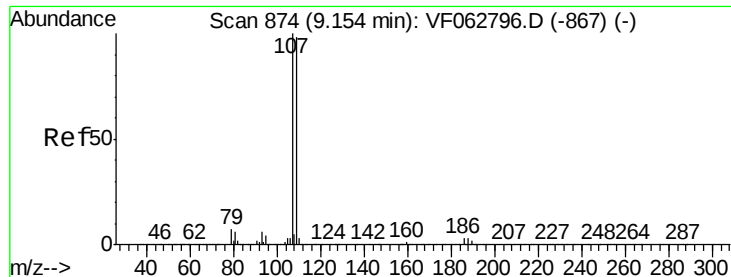
Tot Ion: 43 Resp: 412608
Ion Ratio Lower Upper
43 100
58 58.9 29.3 87.9



#60
Dibromochloromethane
Concen: 19.889 ug/l
RT: 8.88 min Scan# 846
Delta R.T. -0.00 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

Tgt Ion: 129 Resp: 174822
Ion Ratio Lower Upper
129 100
127 78.7 37.1 111.3





#61

1,2-Dibromoethane

Concen: 20.570 ug/l

RT: 9.15 min Scan# 874

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_F

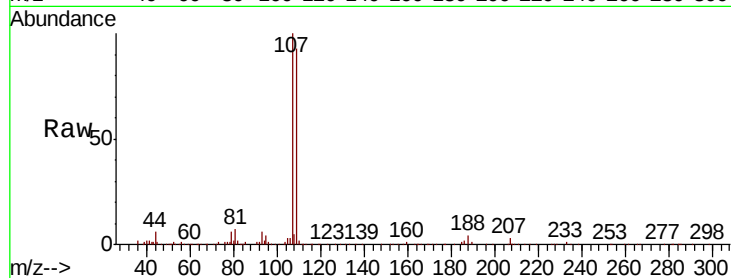
ClientSampleId :

Tot Ion:107 Resp: 148026

Ion Ratio Lower Upper

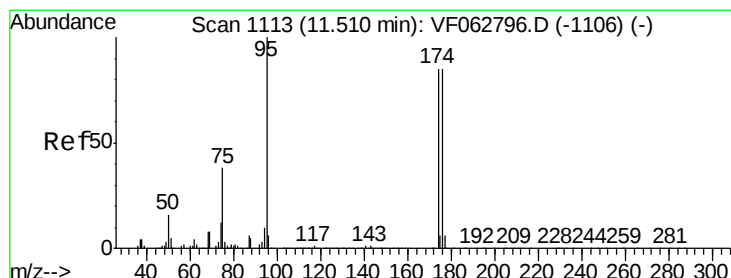
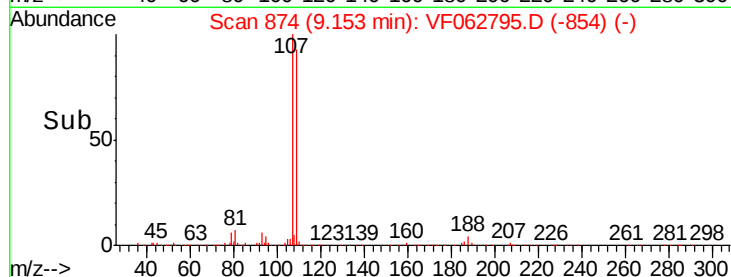
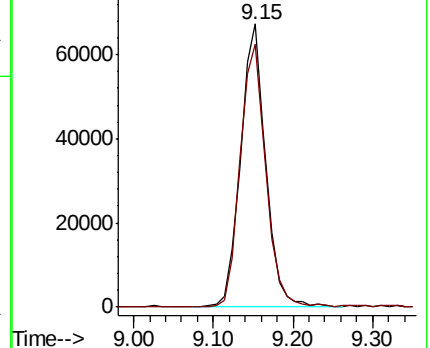
107 100

109 92.7 78.1 117.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 19.888 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

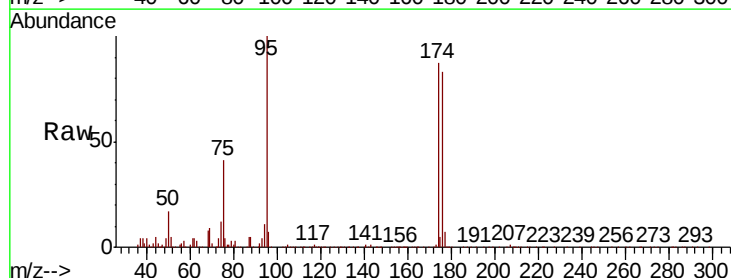
Tgt Ion: 95 Resp: 216870

Ion Ratio Lower Upper

95 100

174 86.5 0.0 170.6

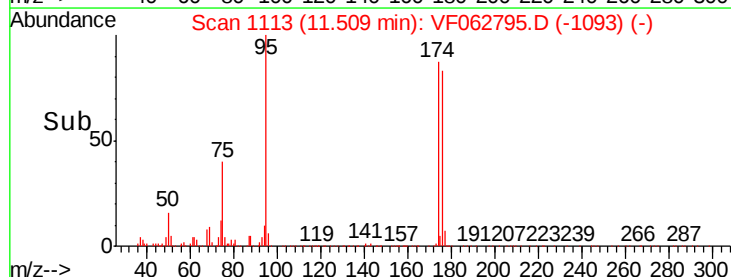
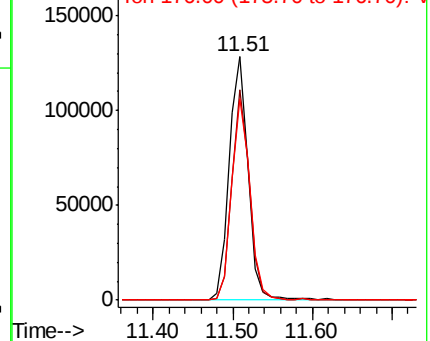
176 83.0 0.0 170.6

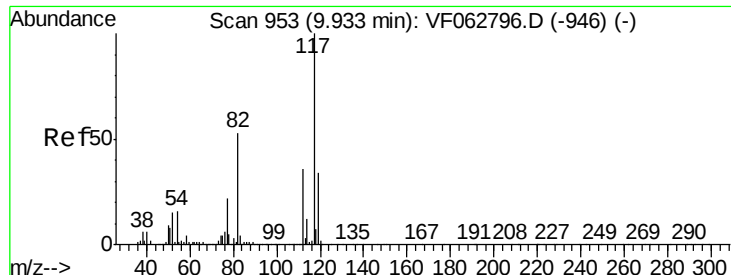


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

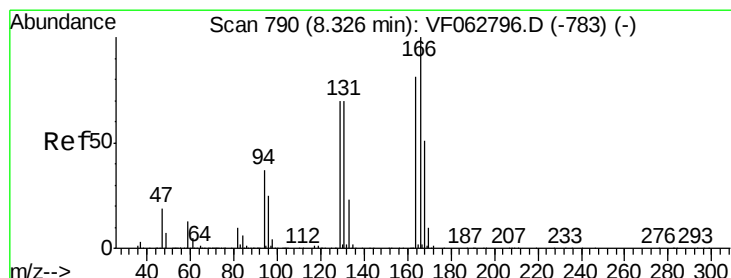
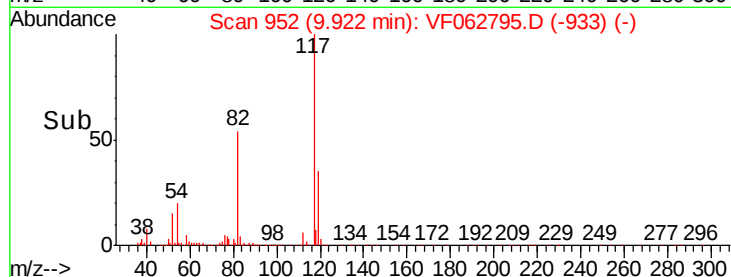
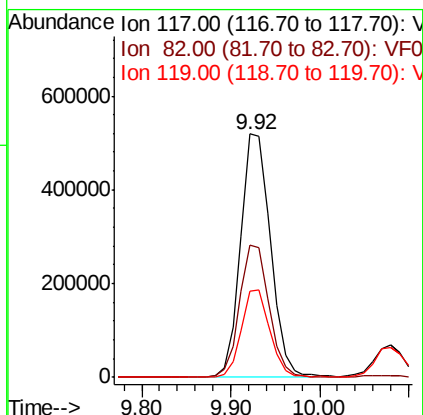
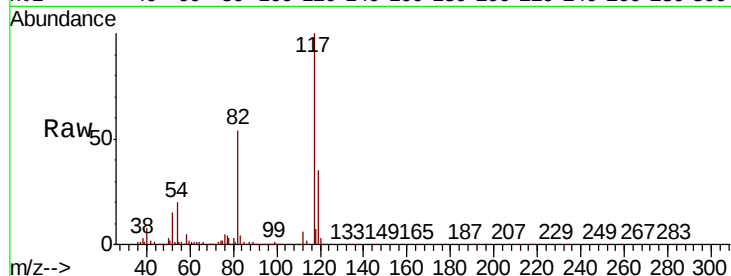




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

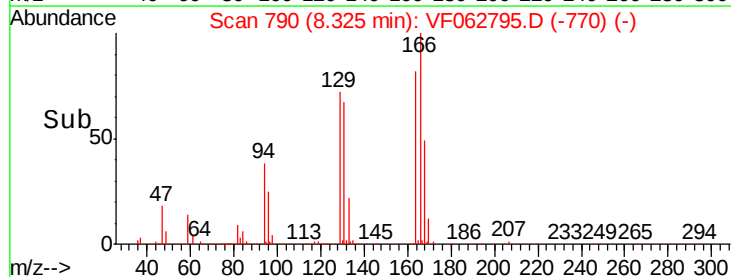
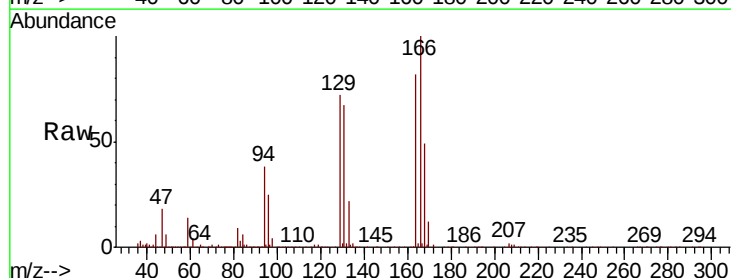
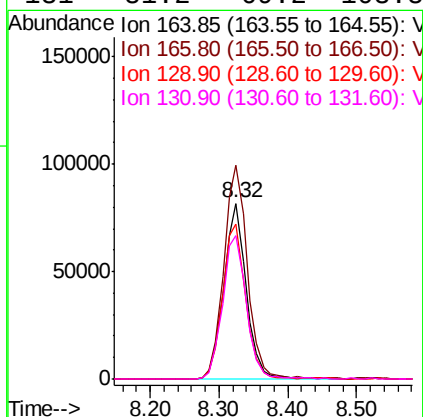
Instrument :
MSVOA_F
ClientSampleId :

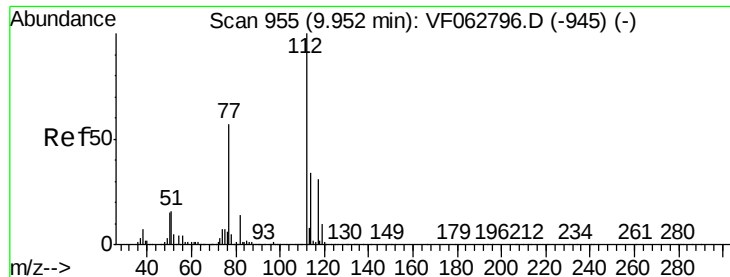
Tot Ion:117 Resp: 1214925
Ion Ratio Lower Upper
117 100
82 54.3 42.4 63.6
119 35.1 27.1 40.7



#64
Tetrachloroethene
Concen: 18.180 ug/l
RT: 8.32 min Scan# 790
Delta R.T. -0.00 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

Tgt Ion:164 Resp: 184298
Ion Ratio Lower Upper
164 100
166 121.5 99.1 148.7
129 87.8 69.5 104.3
131 81.2 69.2 103.8





#65

Chlorobenzene

Concen: 19.492 ug/l

RT: 9.95 min Scan# 955

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

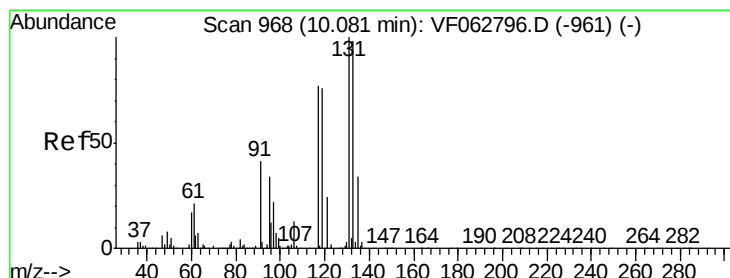
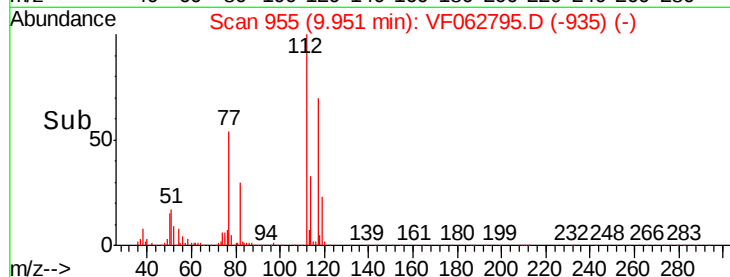
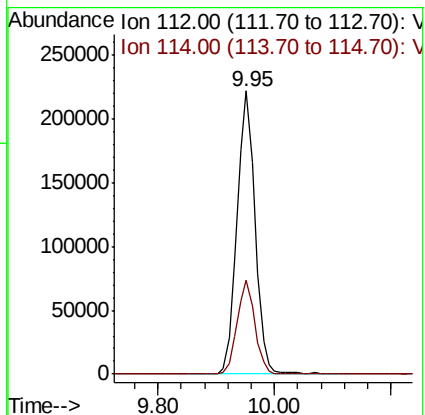
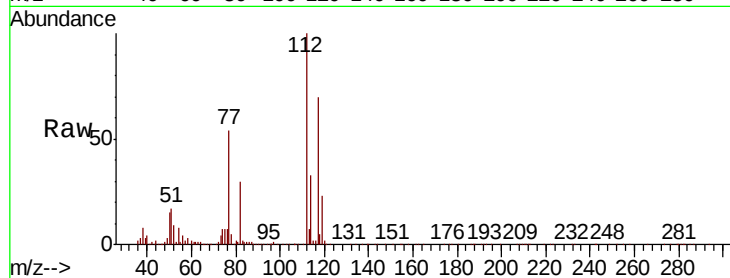
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:112 Resp: 480205

Ion Ratio Lower Upper

112 100

114 33.1 27.4 41.0



#66

1,1,1,2-Tetrachloroethane

Concen: 20.448 ug/l

RT: 10.08 min Scan# 968

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

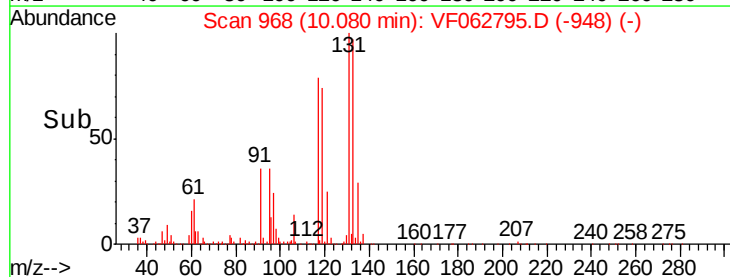
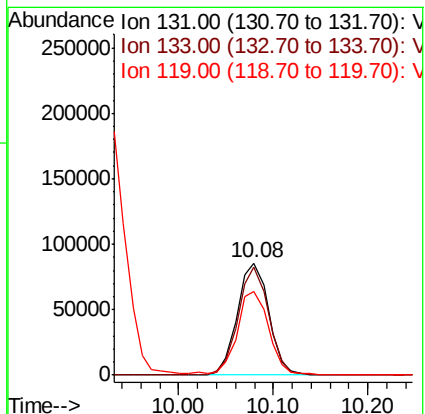
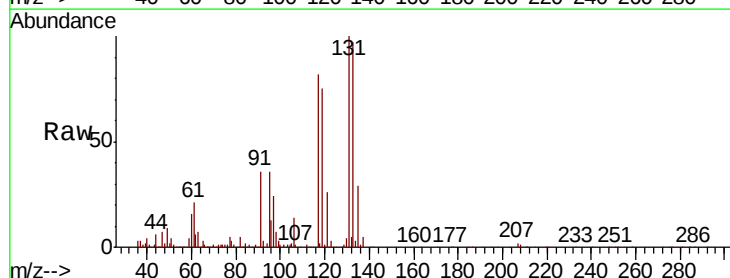
Tgt Ion:131 Resp: 196778

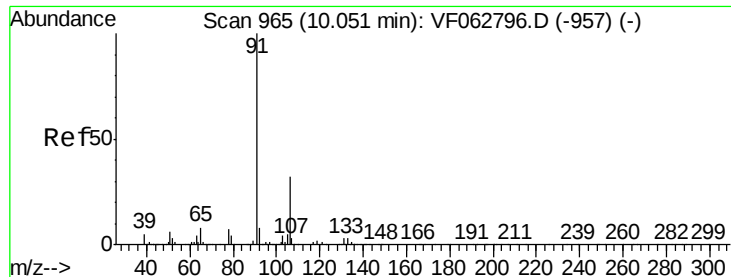
Ion Ratio Lower Upper

131 100

133 97.0 48.9 146.7

119 74.8 38.0 114.0

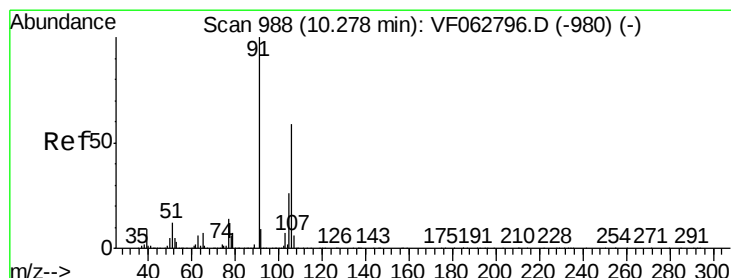
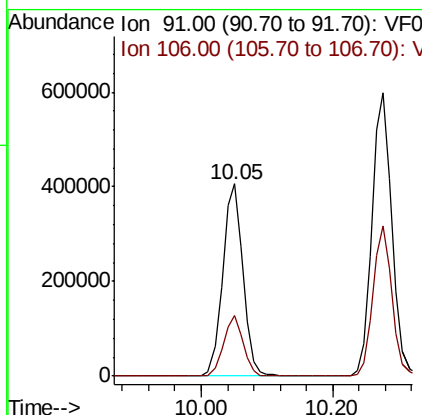
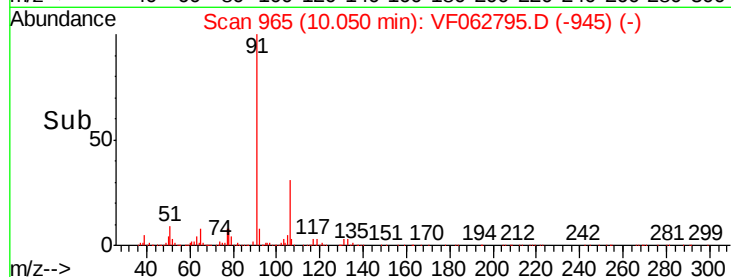
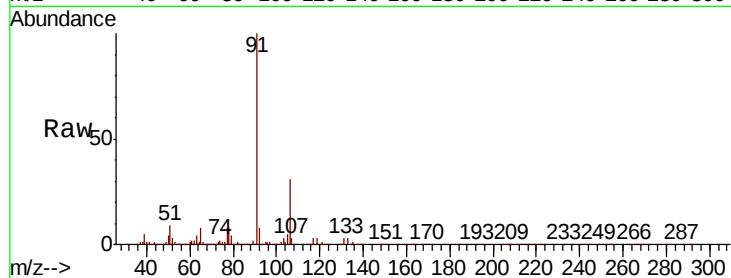




#67
Ethyl Benzene
Concen: 20.275 ug/l
RT: 10.05 min Scan# 965
Delta R.T. -0.00 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

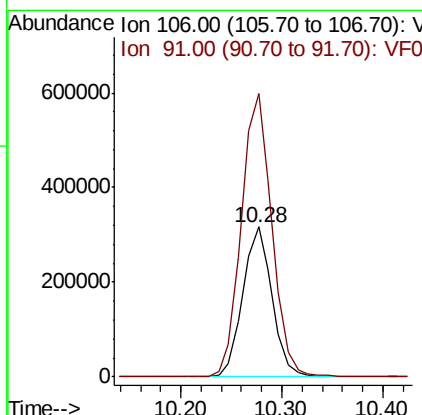
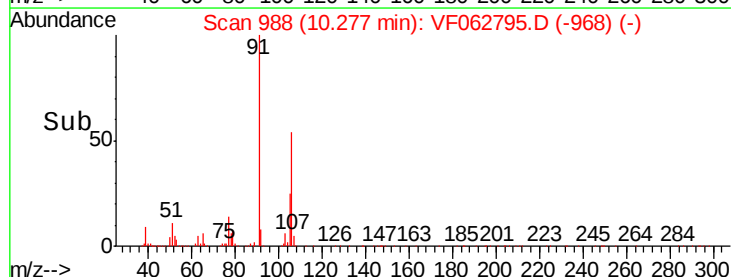
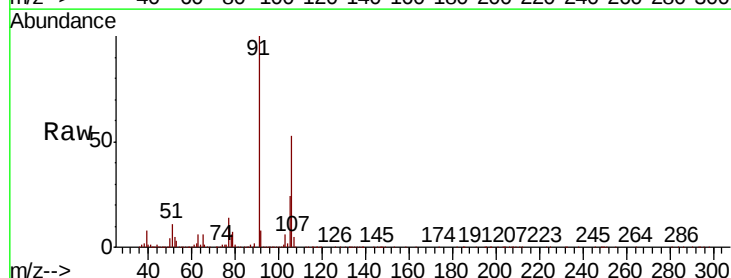
Instrument :
MSVOA_F
ClientSampleId :

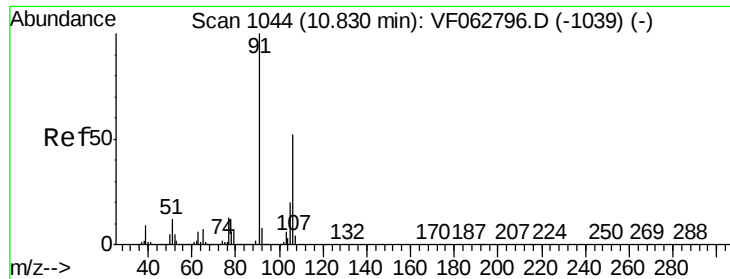
Tot Ion: 91 Resp: 870656
Ion Ratio Lower Upper
91 100
106 31.3 26.0 39.0



#68
m/p-Xylenes
Concen: 39.925 ug/l
RT: 10.28 min Scan# 988
Delta R.T. -0.00 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

Tgt Ion: 106 Resp: 639645
Ion Ratio Lower Upper
106 100
91 188.7 136.2 204.4

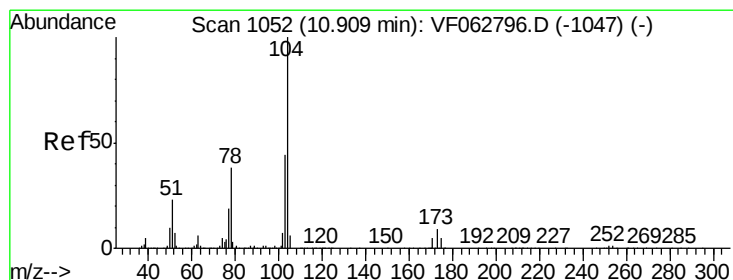
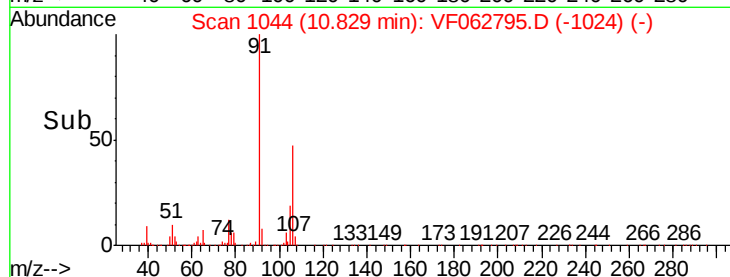
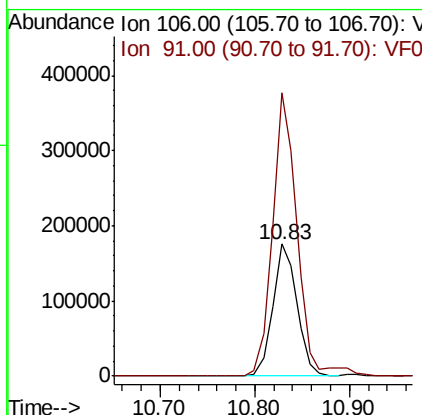
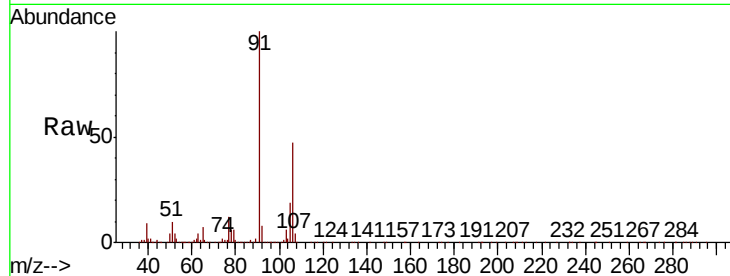




#69
o-Xylene
Concen: 19.301 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

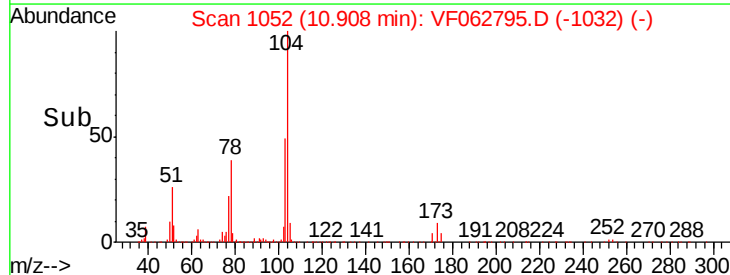
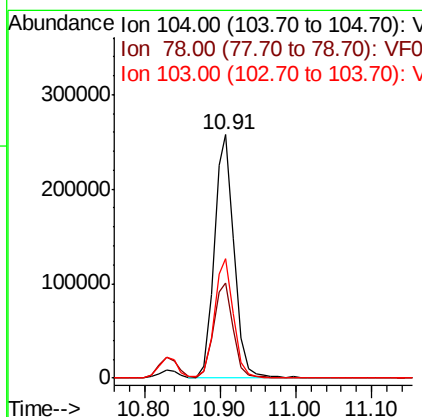
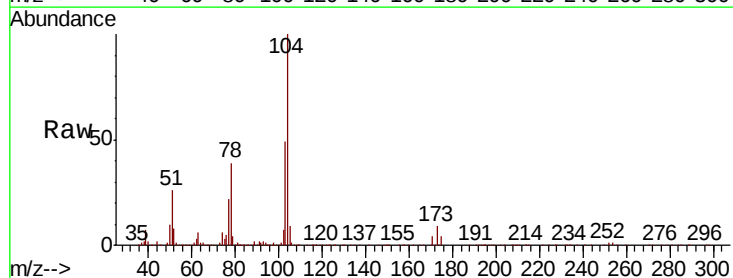
Instrument :
MSVOA_F
ClientSampleId :

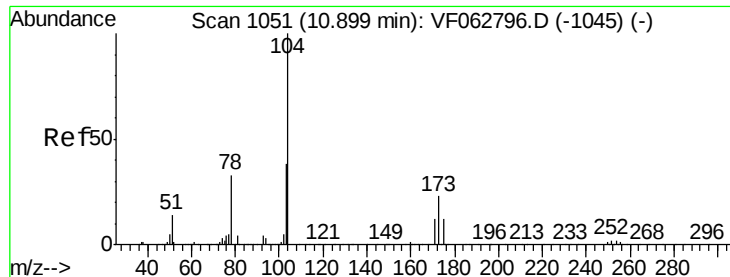
Tot Ion:106 Resp: 313453
Ion Ratio Lower Upper
106 100
91 214.9 96.6 289.8



#70
Styrene
Concen: 19.697 ug/l
RT: 10.91 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

Tgt Ion:104 Resp: 470338
Ion Ratio Lower Upper
104 100
78 39.1 30.8 46.2
103 48.9 35.8 53.6





#71

Bromoform

Concen: 19.612 ug/l

RT: 10.89 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

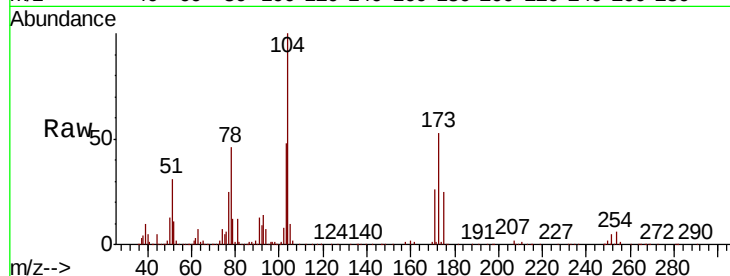
Tot Ion:173 Resp: 91763

Ion Ratio Lower Upper

173 100

175 46.5 24.6 74.0

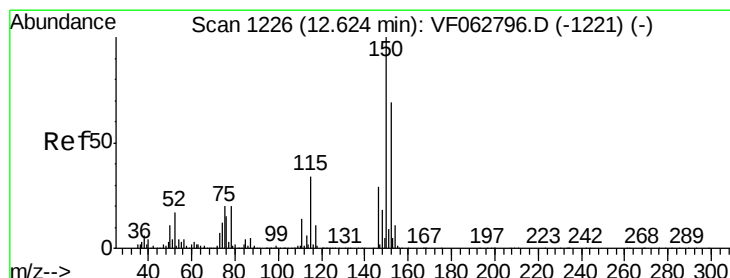
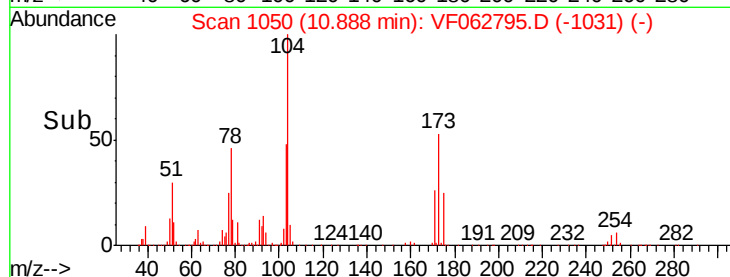
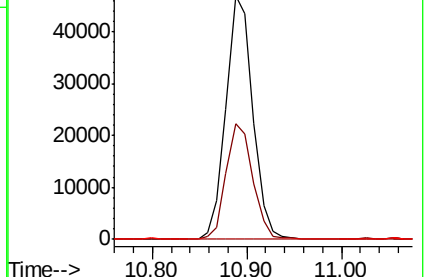
254 0.0 0.1 0.1#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

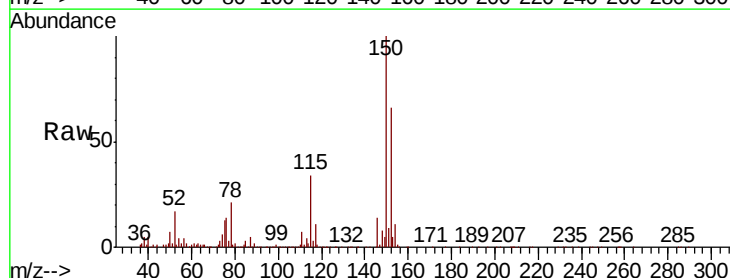
Tgt Ion:152 Resp: 564858

Ion Ratio Lower Upper

152 100

115 51.8 24.6 74.0

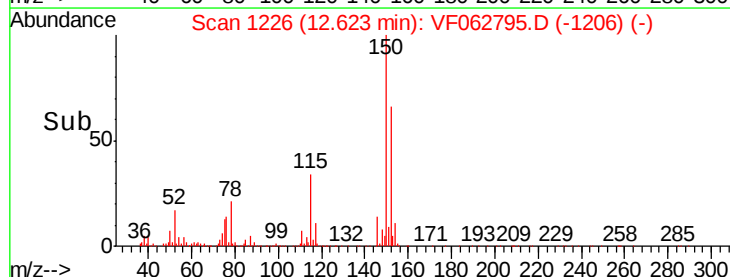
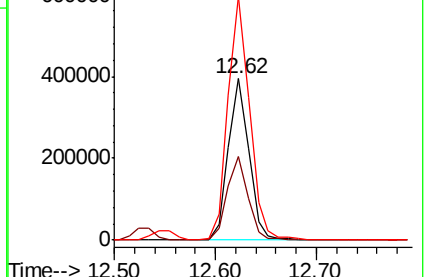
150 151.1 0.0 290.6

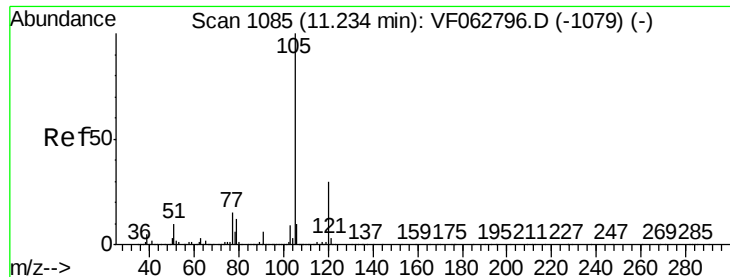


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 18.656 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_F

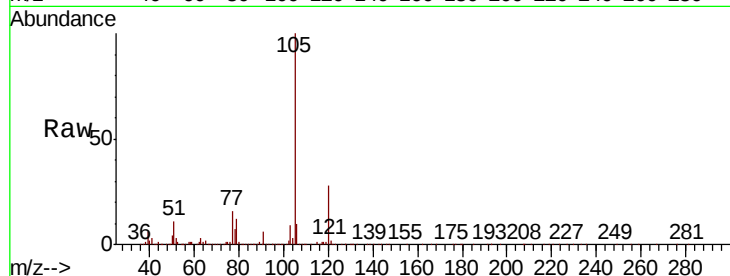
ClientSampled :

Tot Ion:105 Resp: 797233

Ion Ratio Lower Upper

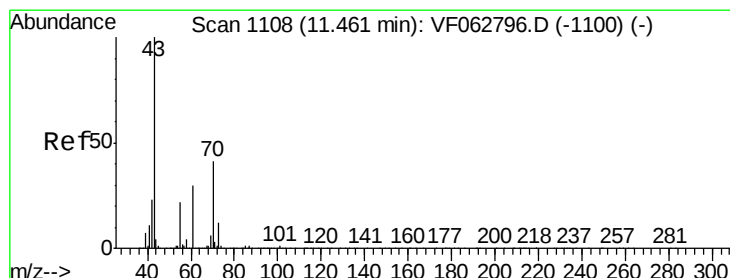
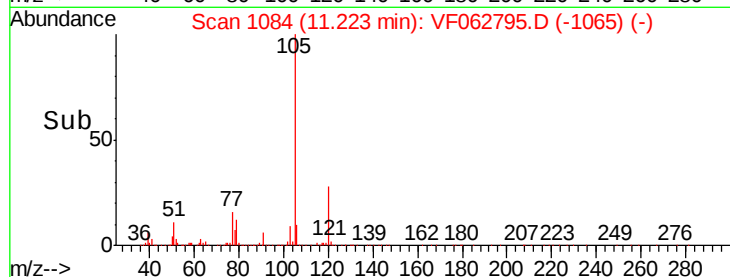
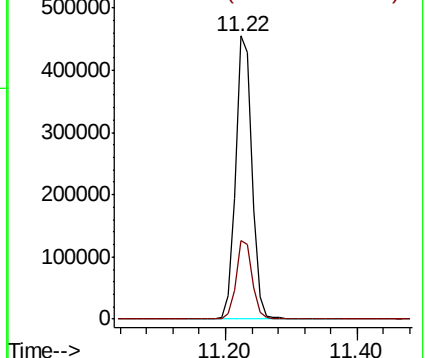
105 100

120 27.9 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: 19.316 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Tgt Ion: 43 Resp: 234169

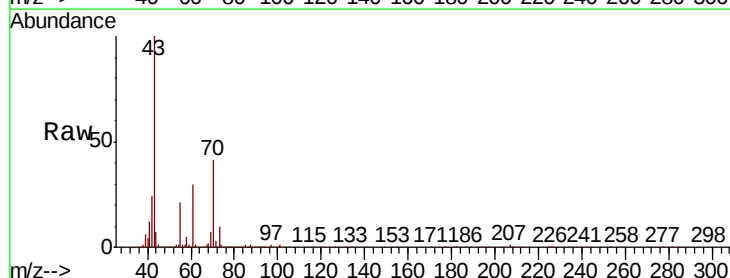
Ion Ratio Lower Upper

43 100

70 40.8 32.9 49.3

55 21.2 17.3 25.9

61 30.0 23.7 35.5

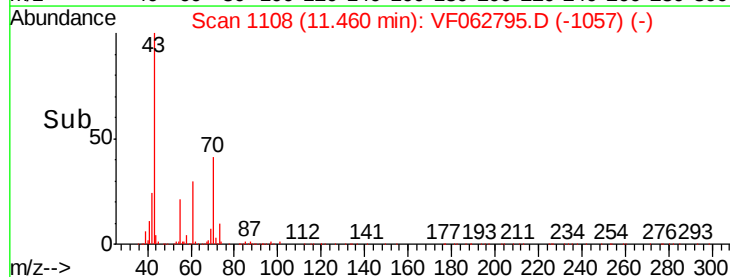
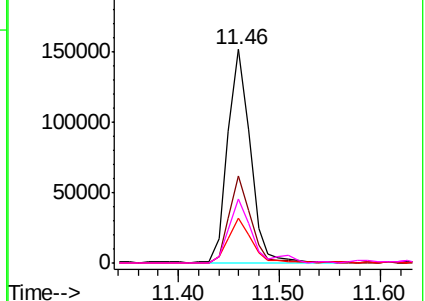


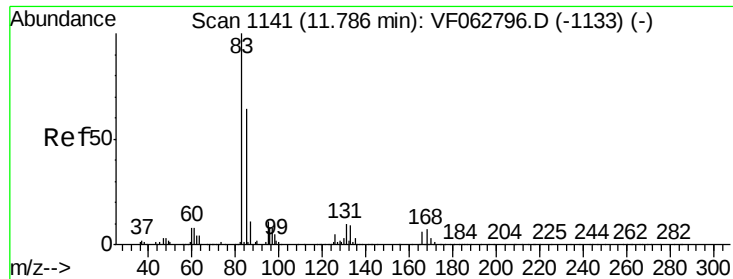
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 19.763 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_F

ClientSampled :

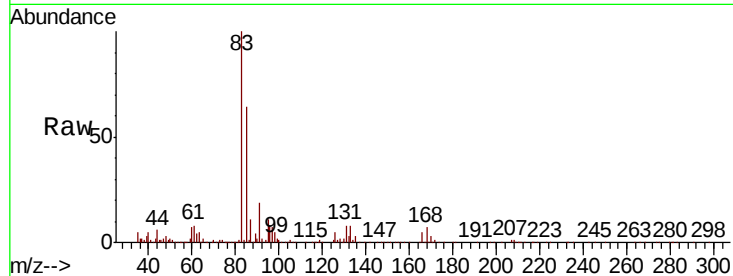
Tot Ion: 83 Resp: 182488

Ion Ratio Lower Upper

83 100

131 8.0 4.9 14.7

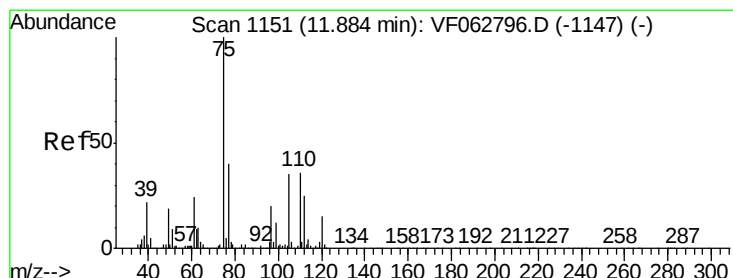
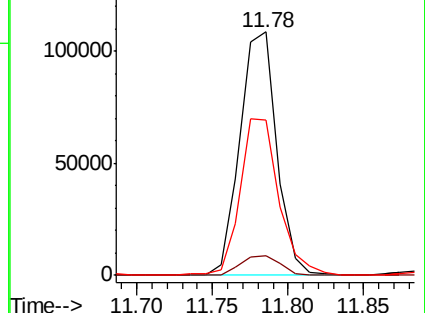
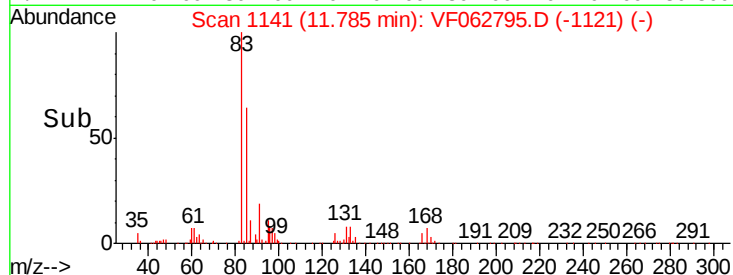
85 64.0 32.1 96.5



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: 19.695 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.00 min

Lab File: VF062795.D

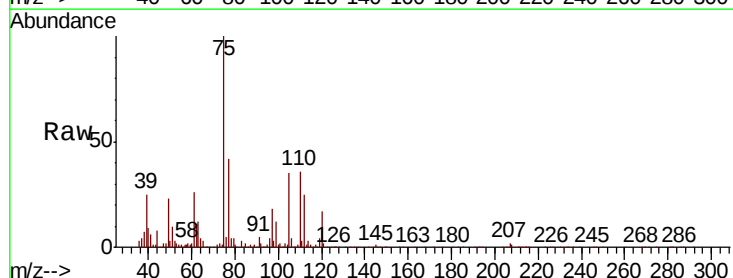
Acq: 30 May 2019 15:03

Tgt Ion: 75 Resp: 116962

Ion Ratio Lower Upper

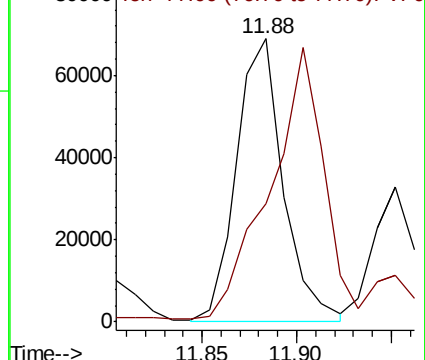
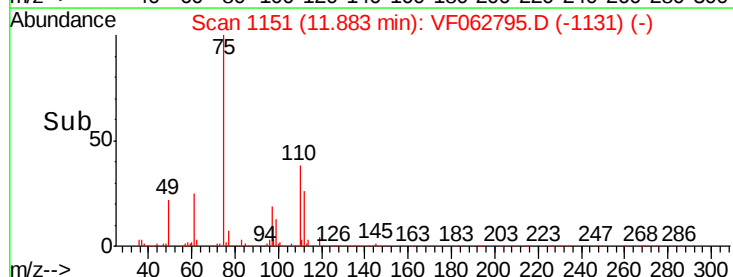
75 100

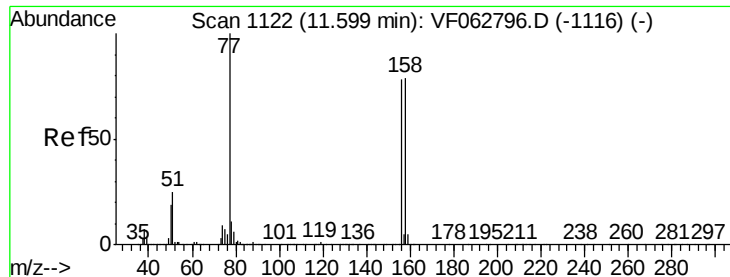
77 41.8 20.1 60.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 19.554 ug/l

RT: 11.59 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

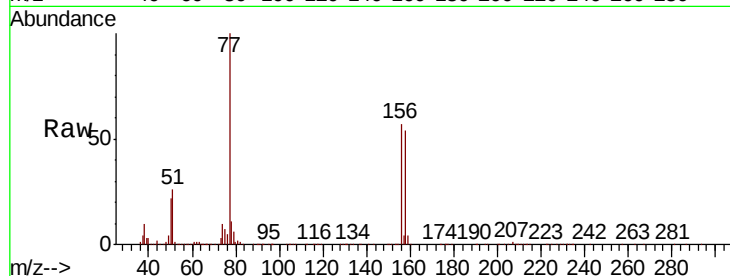
Tot Ion:156 Resp: 204641

Ion Ratio Lower Upper

156 100

77 177.0 64.2 192.6

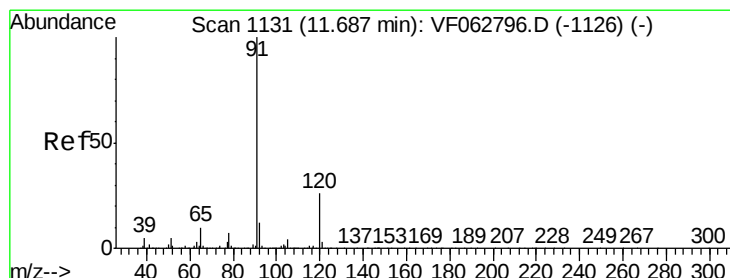
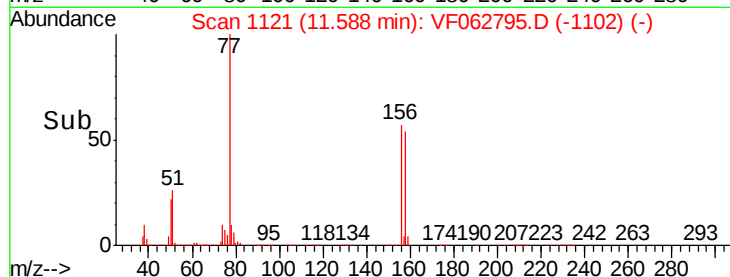
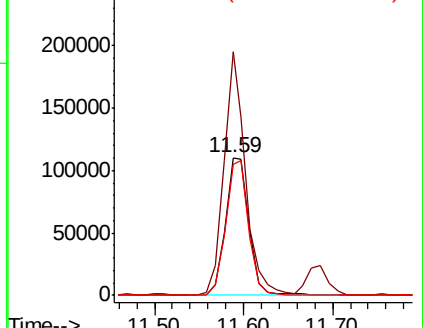
158 95.5 50.3 151.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 19.367 ug/l

RT: 11.69 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF062795.D

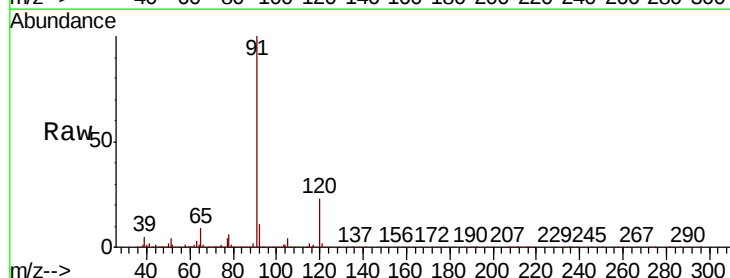
Acq: 30 May 2019 15:03

Tgt Ion: 91 Resp: 1027110

Ion Ratio Lower Upper

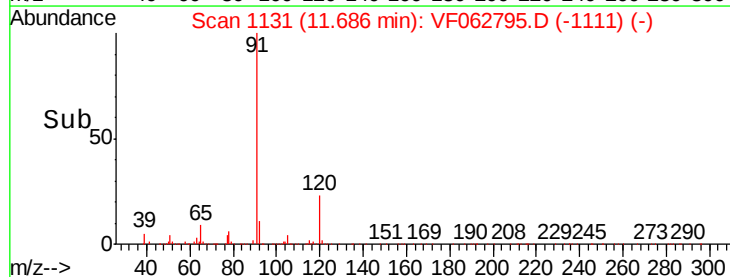
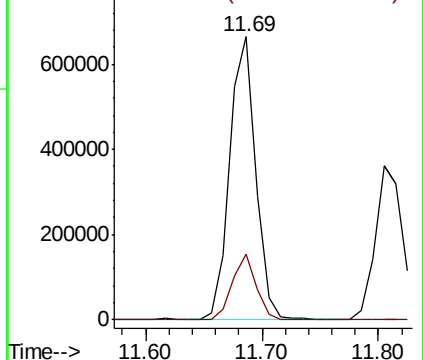
91 100

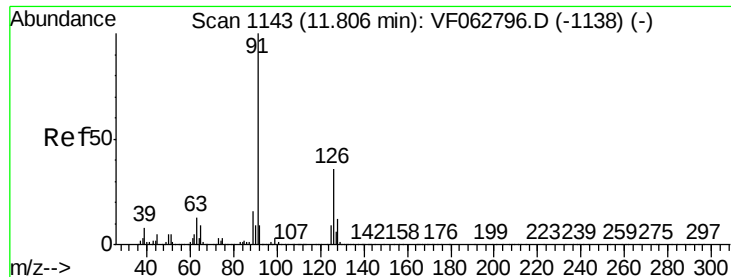
120 23.2 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

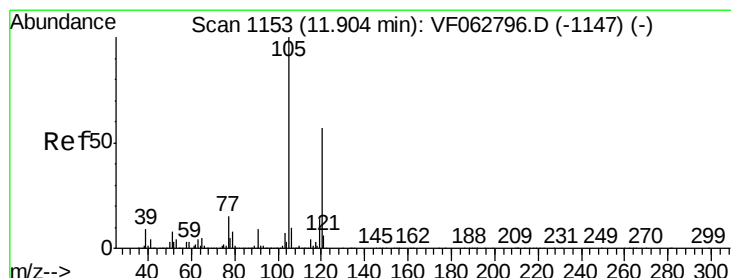
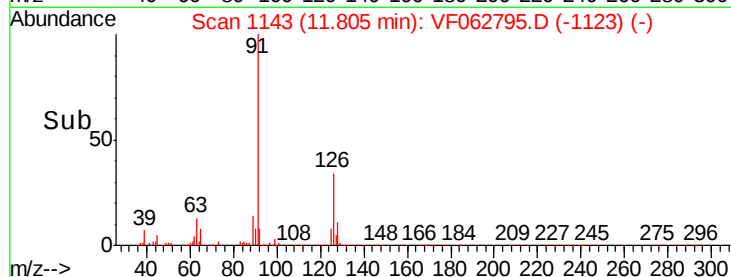
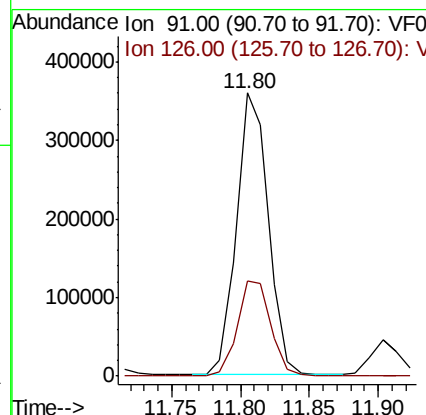
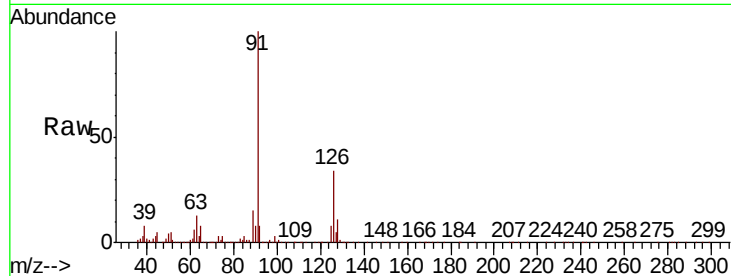




#79
2-Chlorotoluene
Concen: 19.811 ug/l
RT: 11.80 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

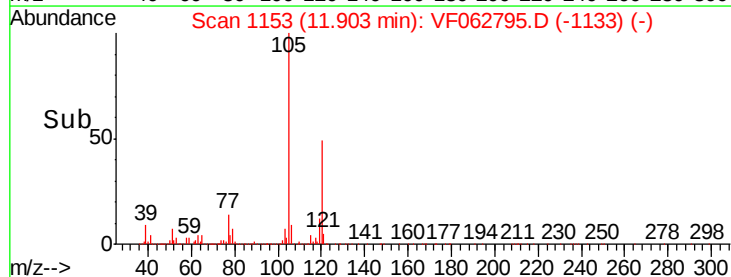
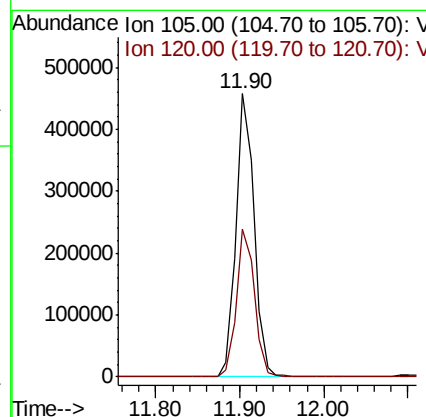
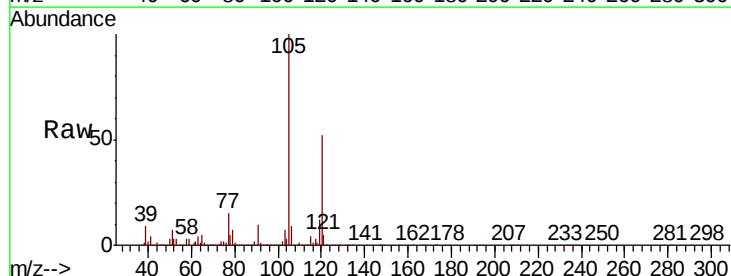
Instrument :
MSVOA_F
ClientSampleId :

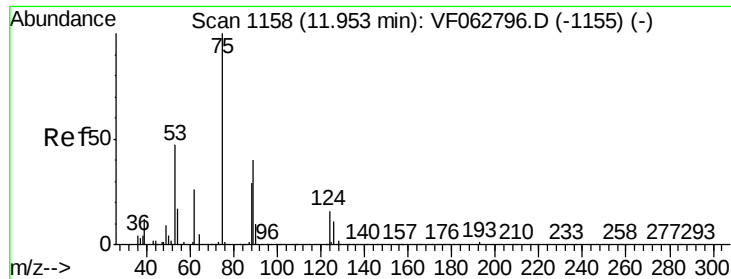
Tot Ion: 91 Resp: 575511
Ion Ratio Lower Upper
91 100
126 33.5 17.8 53.3



#80
1,3,5-Trimethylbenzene
Concen: 19.649 ug/l
RT: 11.90 min Scan# 1153
Delta R.T. -0.00 min
Lab File: VF062795.D
Acq: 30 May 2019 15:03

Tgt Ion:105 Resp: 684523
Ion Ratio Lower Upper
105 100
120 52.3 28.7 86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 20.454 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

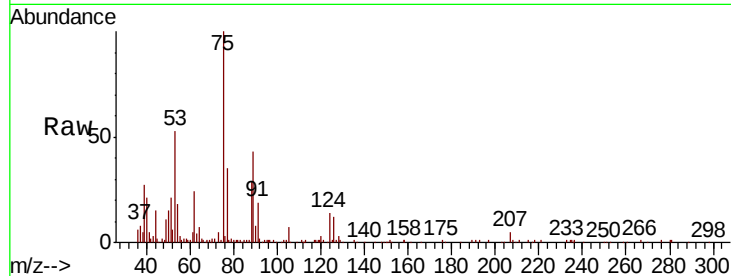
Tot Ion: 75 Resp: 63436

Ion Ratio Lower Upper

75 100

53 52.6 43.5 65.3

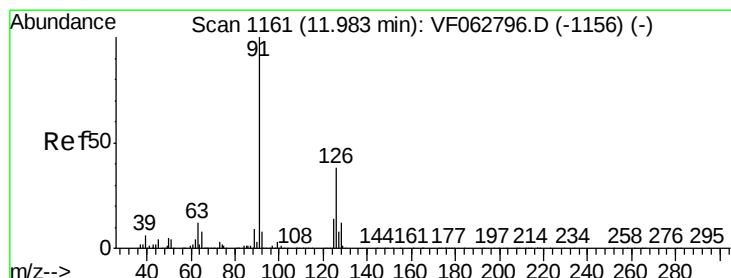
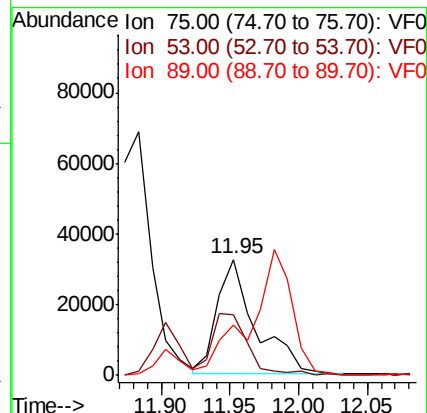
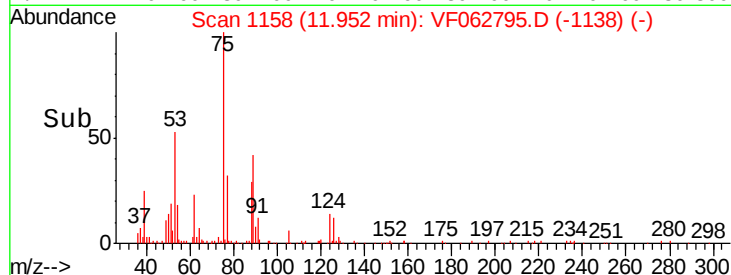
89 43.2 34.3 51.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 19.696 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VF062795.D

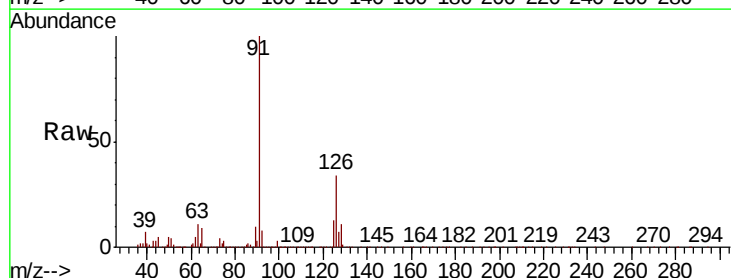
Acq: 30 May 2019 15:03

Tgt Ion: 91 Resp: 567065

Ion Ratio Lower Upper

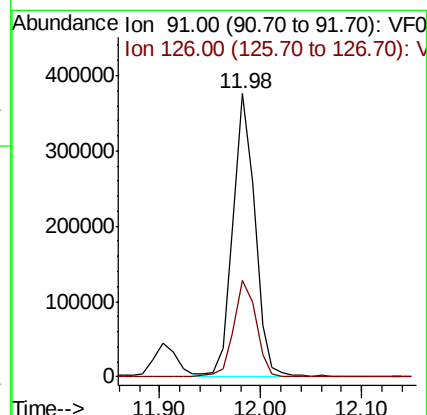
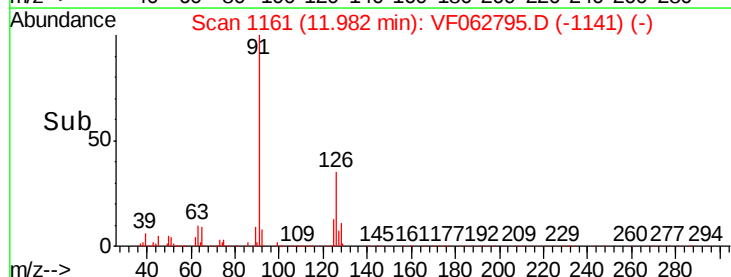
91 100

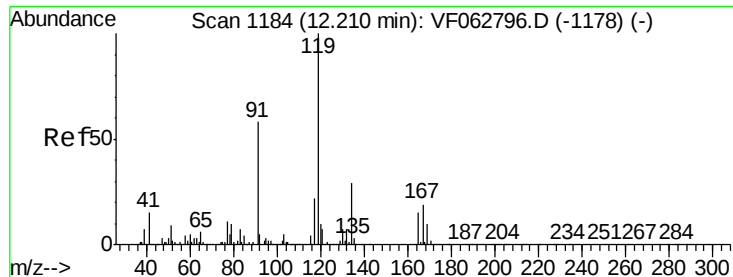
126 34.1 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 20.165 ug/l

RT: 12.21 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

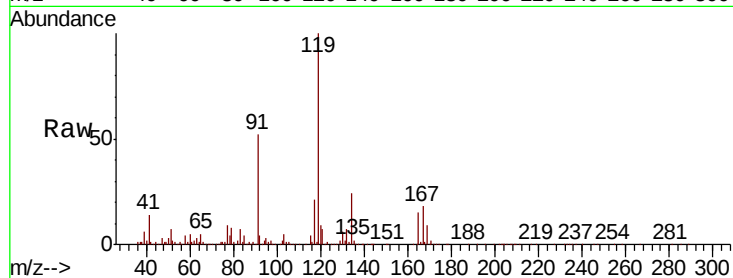
Tot Ion:119 Resp: 682358

Ion Ratio Lower Upper

119 100

91 51.9 28.9 86.7

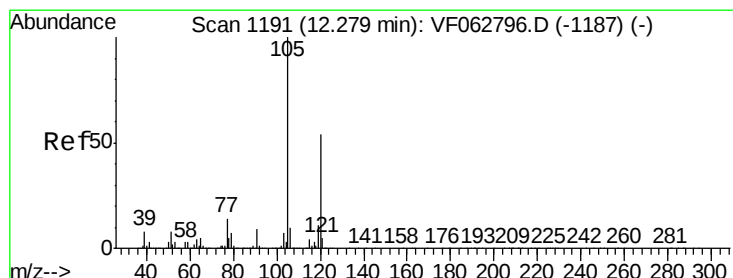
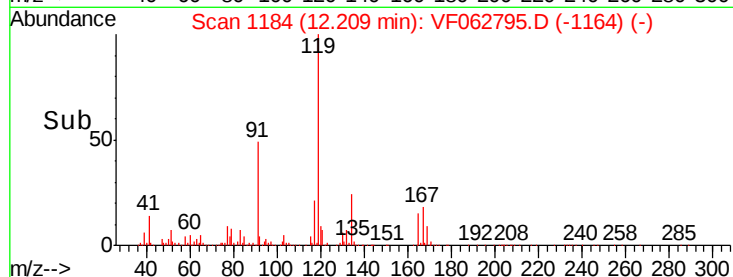
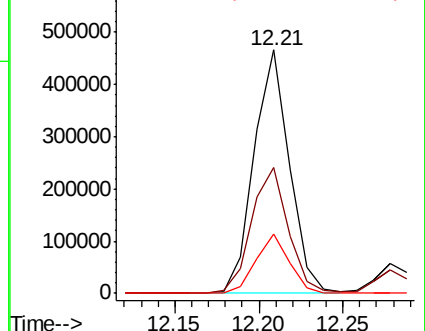
134 24.3 14.3 42.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.433 ug/l

RT: 12.28 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VF062795.D

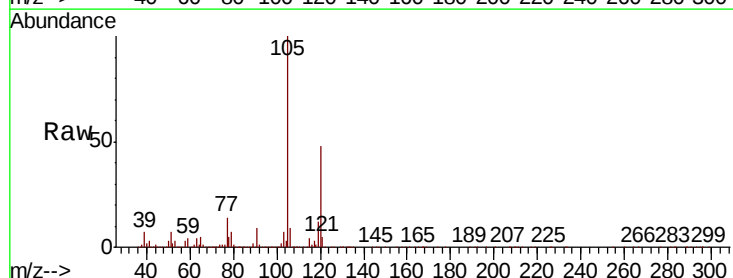
Acq: 30 May 2019 15:03

Tgt Ion:105 Resp: 646223

Ion Ratio Lower Upper

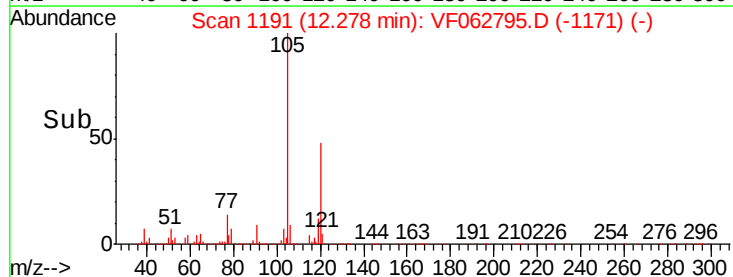
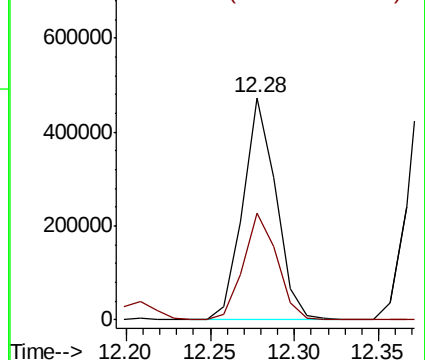
105 100

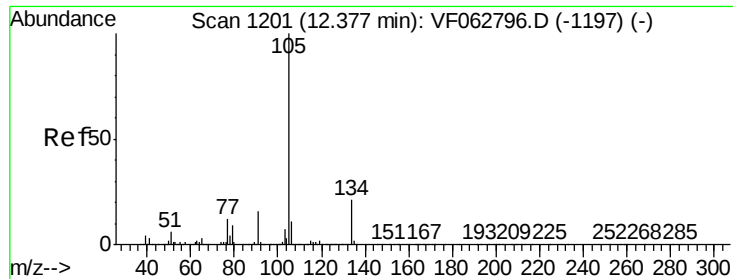
120 48.3 27.1 81.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

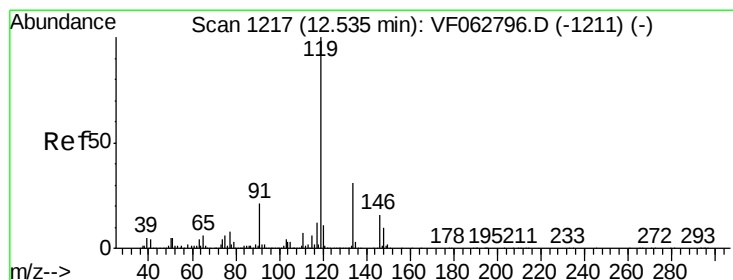
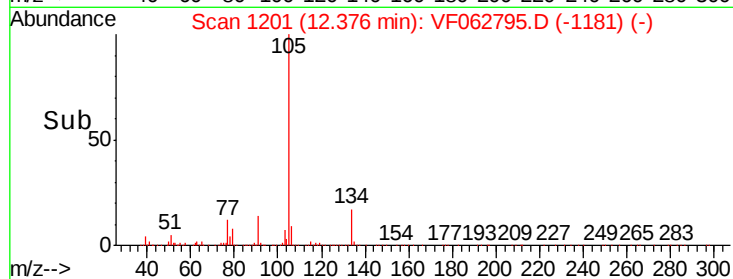
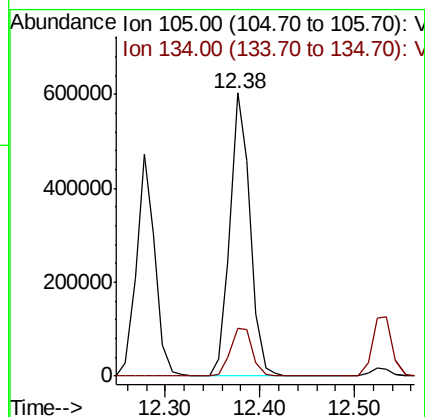
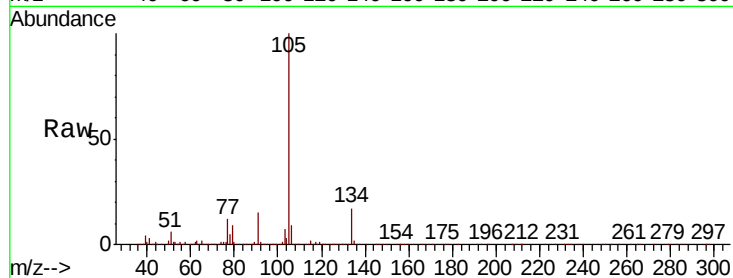




#85
 sec-Butylbenzene
 Concen: 19.165 ug/l
 RT: 12.38 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF062795.D
 Acq: 30 May 2019 15:03

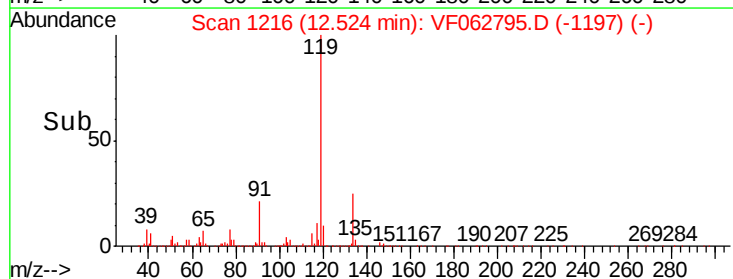
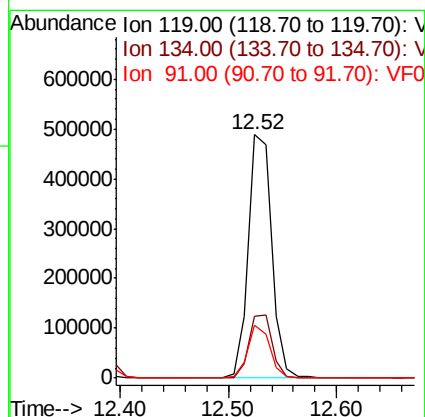
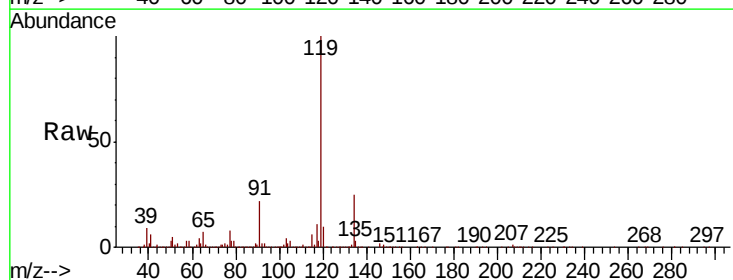
Instrument :
 MSVOA_F
 ClientSampleId :

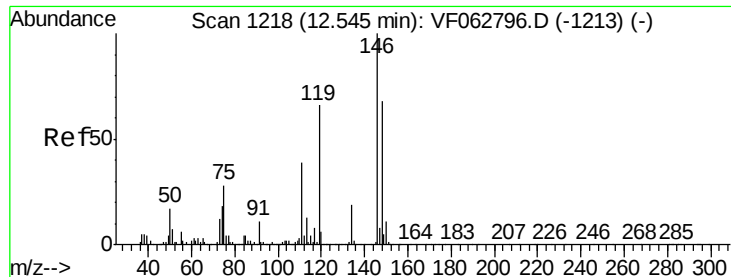
Tot Ion:105 Resp: 886145
 Ion Ratio Lower Upper
 105 100
 134 16.7 10.5 31.6



#86
 p-Isopropyltoluene
 Concen: 19.340 ug/l
 RT: 12.52 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: VF062795.D
 Acq: 30 May 2019 15:03

Tgt Ion:119 Resp: 735694
 Ion Ratio Lower Upper
 119 100
 134 25.3 15.5 46.5
 91 21.7 10.3 30.9

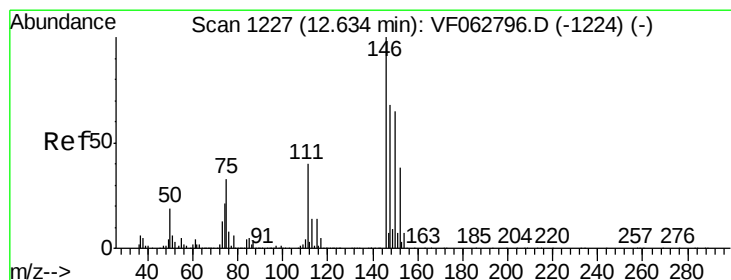
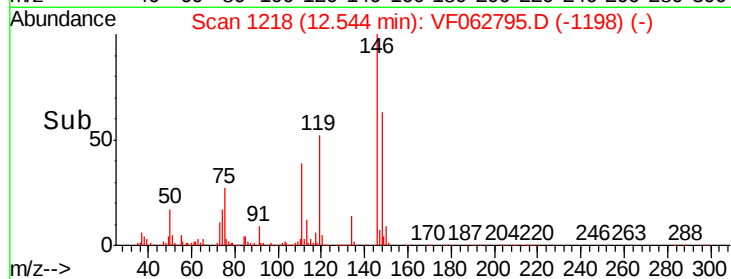
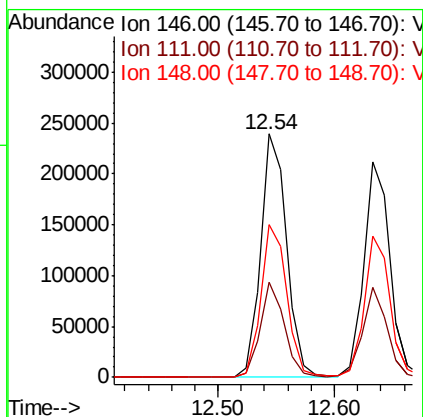
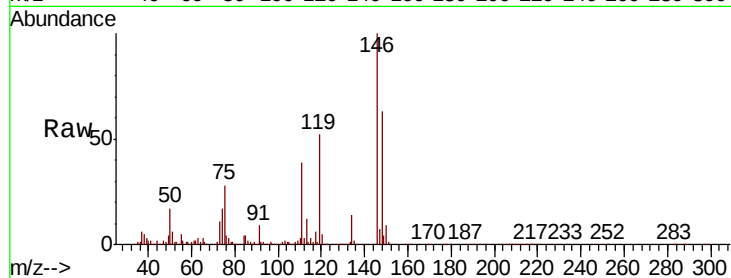




#87
 1,3-Dichlorobenzene
 Concen: 19.659 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VF062795.D
 Acq: 30 May 2019 15:03

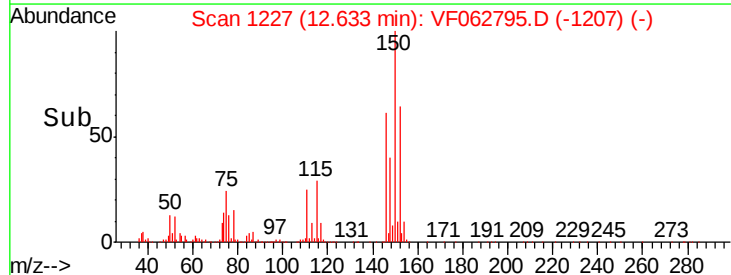
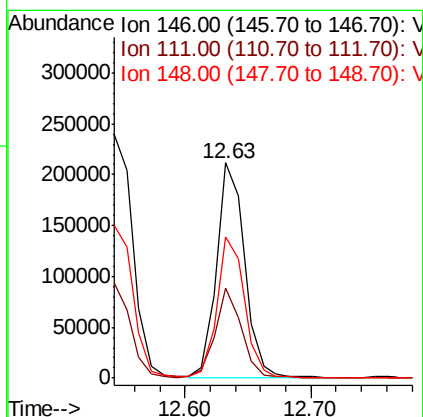
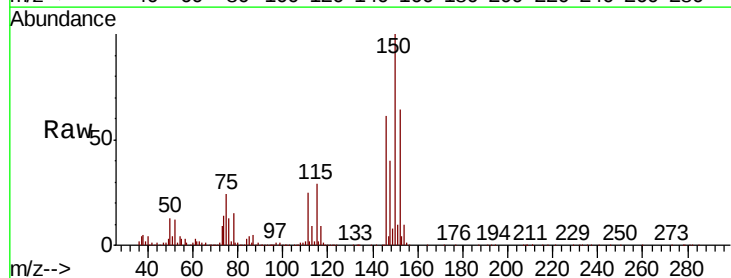
Instrument :
 MSVOA_F
 ClientSampleId :

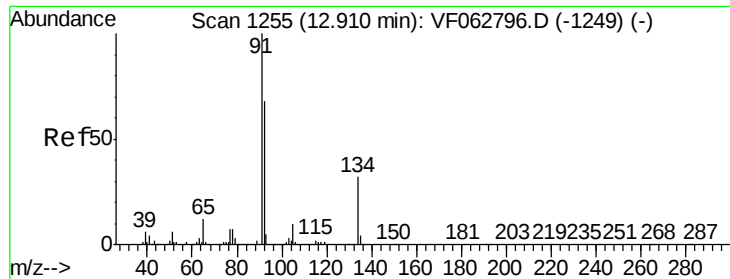
Tot Ion:146 Resp: 369413
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.6 58.8
 148 62.7 34.2 102.5



#88
 1,4-Dichlorobenzene
 Concen: 18.636 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VF062795.D
 Acq: 30 May 2019 15:03

Tgt Ion:146 Resp: 326478
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.3 60.9
 148 65.6 34.0 101.8





#89

n-Butylbenzene

Concen: 19.199 ug/l

RT: 12.91 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

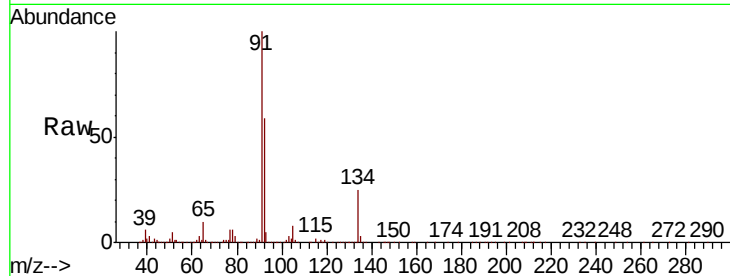
Tot Ion: 91 Resp: 752833

Ion	Ratio	Lower	Upper
91	100		
92	59.3	34.2	102.6
134	25.0	15.8	47.3

91 100

92 59.3 34.2 102.6

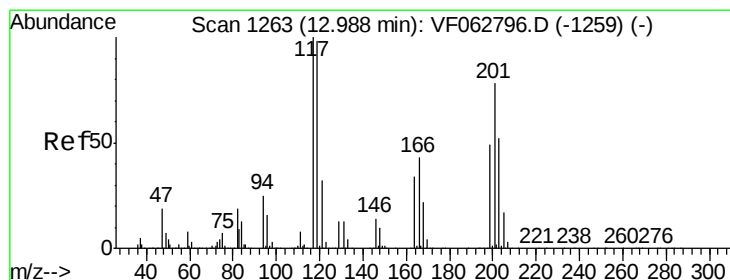
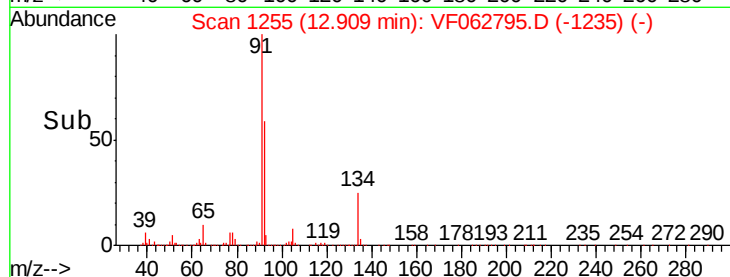
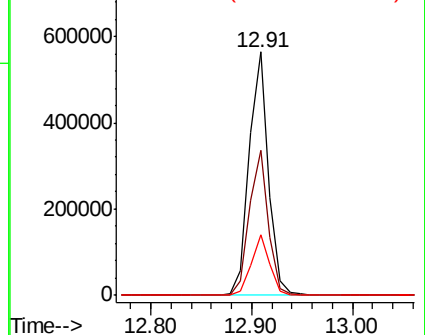
134 25.0 15.8 47.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.252 ug/l

RT: 12.99 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VF062795.D

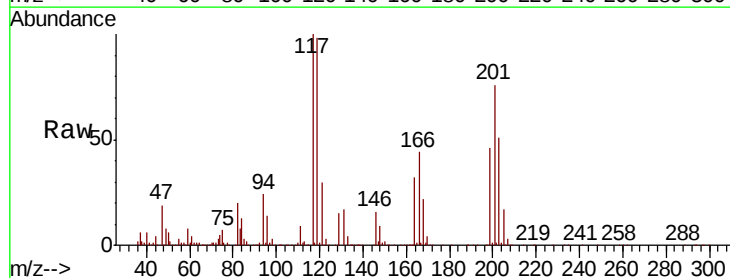
Acq: 30 May 2019 15:03

Tgt Ion: 117 Resp: 173880

Ion	Ratio	Lower	Upper
117	100		
201	77.4	38.9	116.7

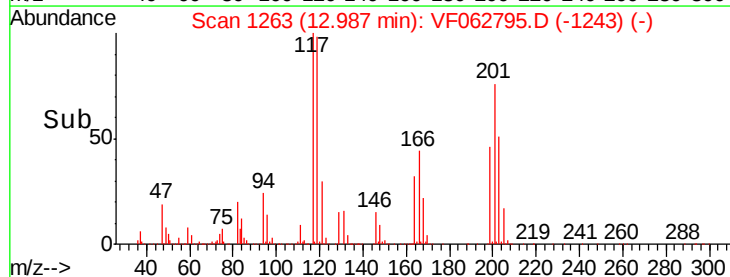
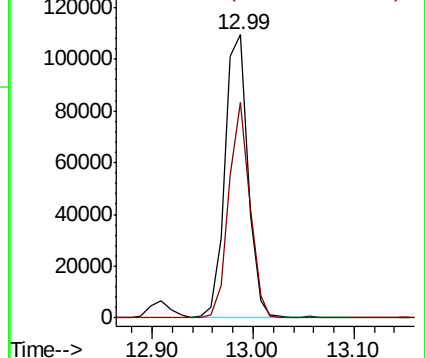
117 100

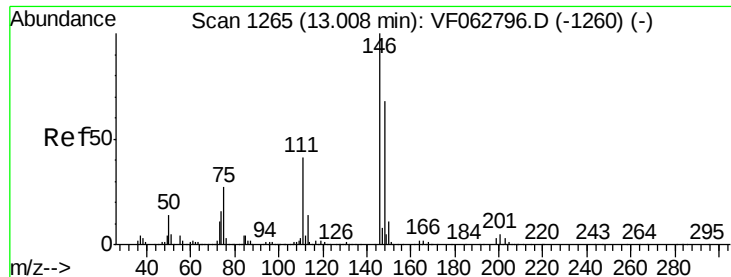
201 77.4 38.9 116.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 18.613 ug/l

RT: 13.01 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_F

ClientSampled :

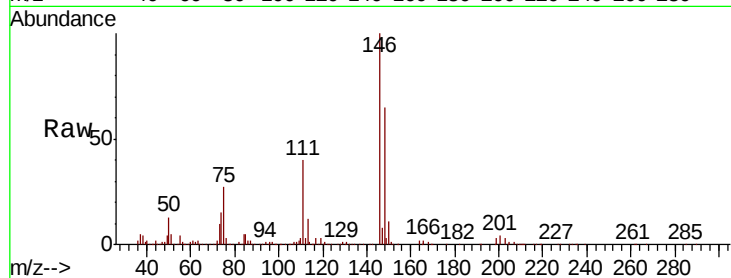
Tot Ion:146 Resp: 307093

Ion Ratio Lower Upper

146 100

111 40.2 20.4 61.3

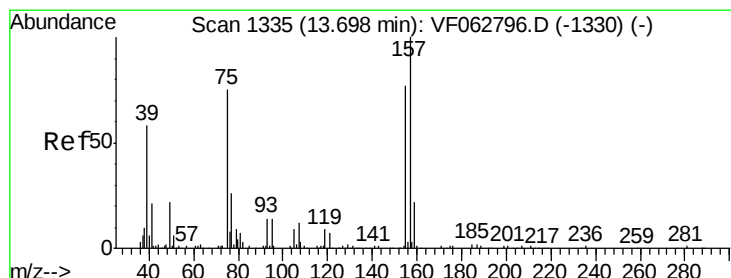
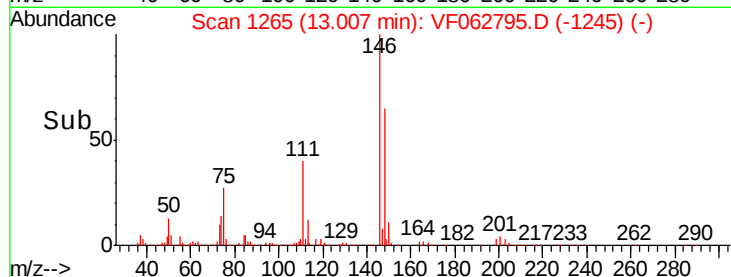
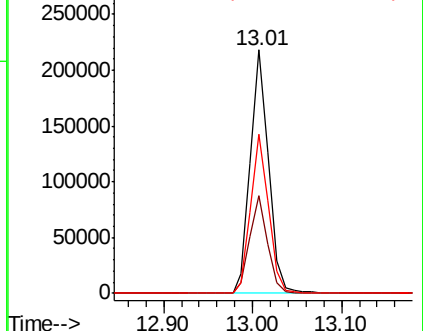
148 65.2 34.1 102.3



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: 19.309 ug/l

RT: 13.70 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

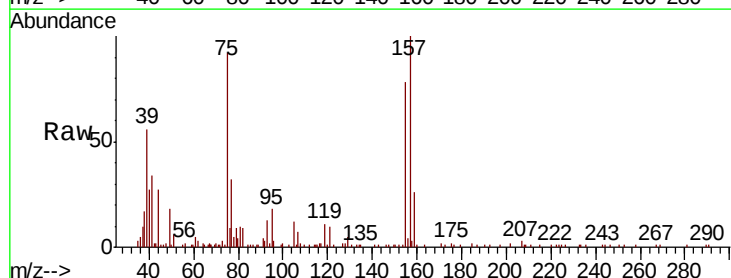
Tgt Ion: 75 Resp: 18978

Ion Ratio Lower Upper

75 100

155 89.7 51.7 155.1

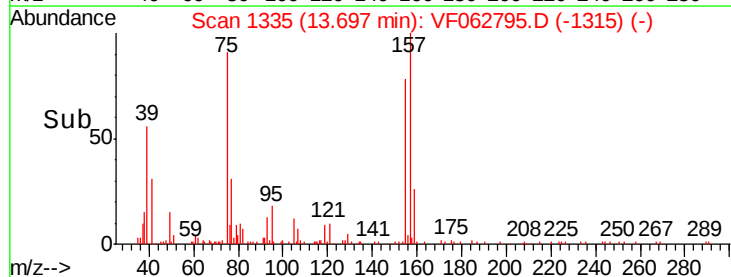
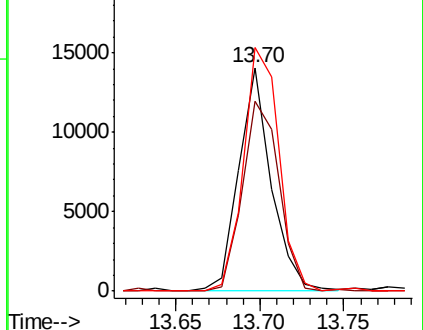
157 108.9 66.8 200.6

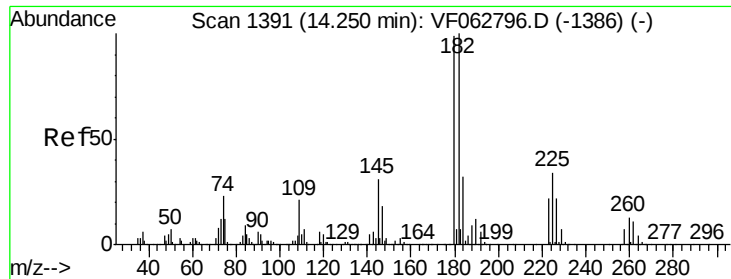


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

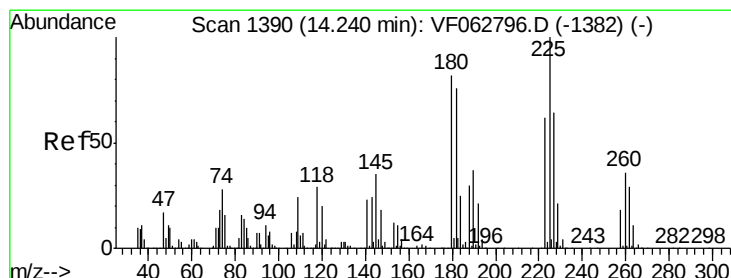
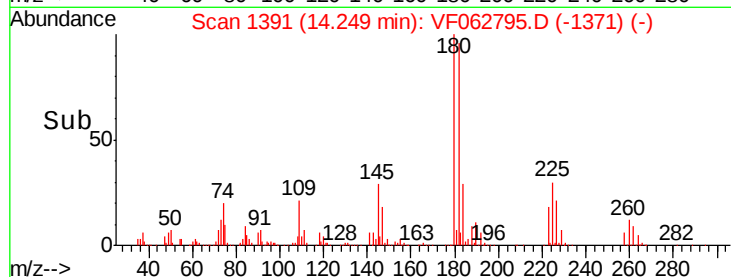
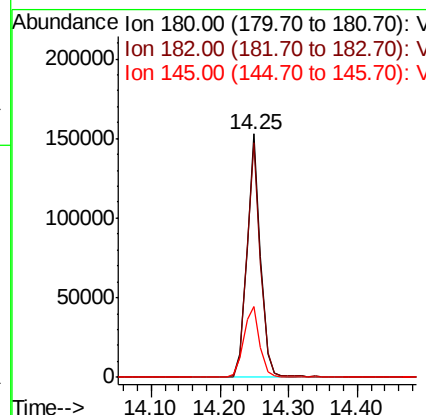
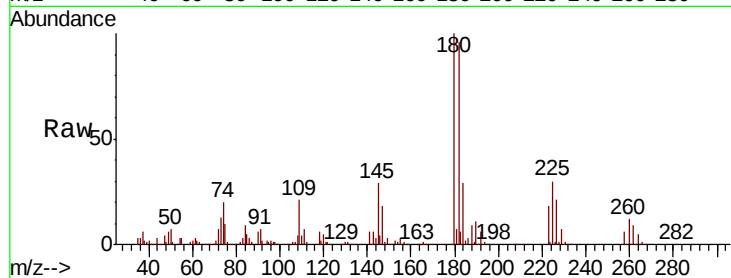




#93
 1,2,4-Trichlorobenzene
 Concen: 18.412 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VF062795.D
 Acq: 30 May 2019 15:03

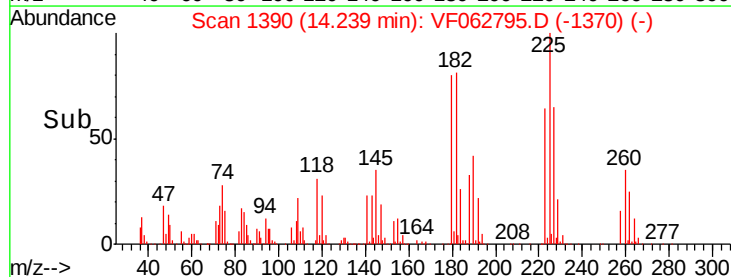
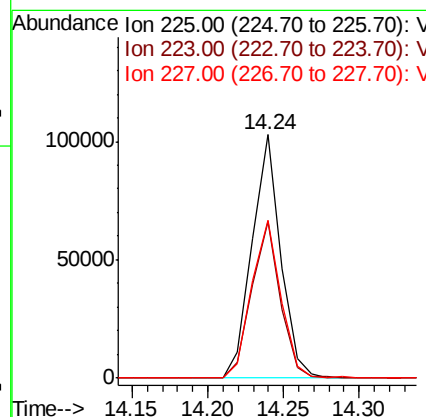
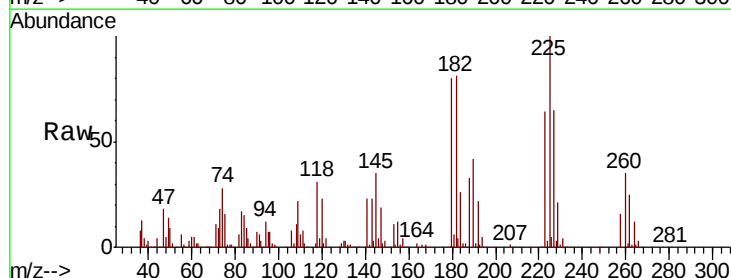
Instrument :
 MSVOA_F
 ClientSampled :

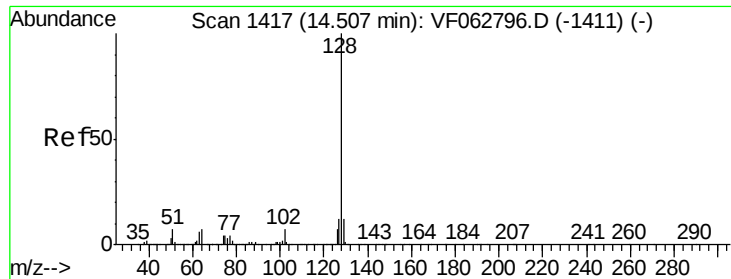
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	50.3	150.9
145	28.9	15.4	46.2



#94
 Hexachlorobutadiene
 Concen: 17.641 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF062795.D
 Acq: 30 May 2019 15:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	30.8	92.4
227	65.0	31.9	95.5





#95

Naphthalene

Concen: 19.203 ug/l

RT: 14.51 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

Instrument :

MSVOA_F

ClientSampleId :

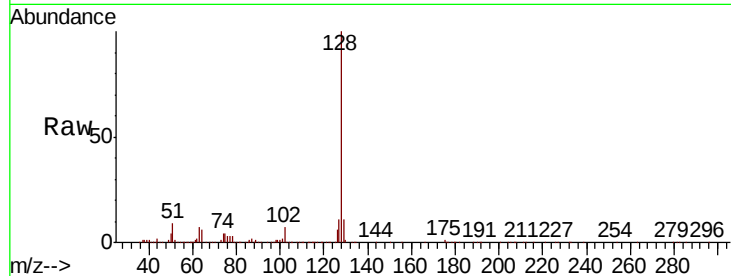
Tot Ion:128 Resp: 341516

Ion Ratio Lower Upper

128 100

127 11.5 9.7 14.5

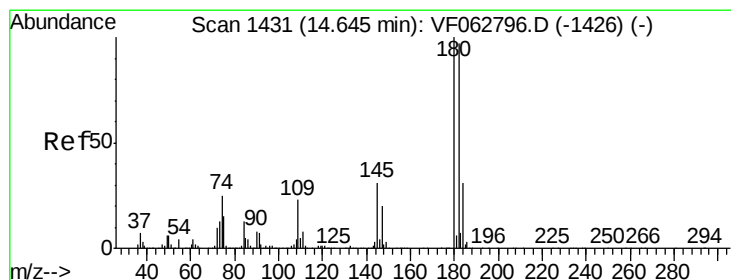
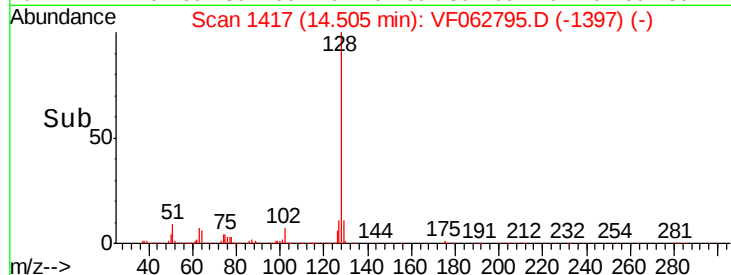
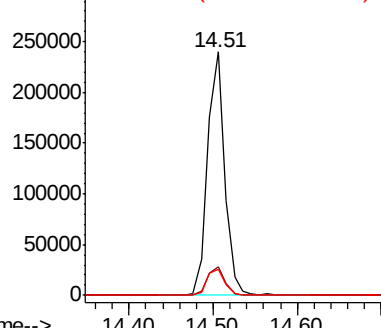
129 10.9 9.4 14.2



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: 18.669 ug/l

RT: 14.65 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VF062795.D

Acq: 30 May 2019 15:03

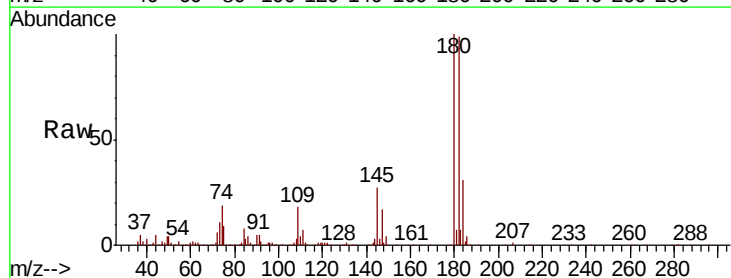
Tgt Ion:180 Resp: 185053

Ion Ratio Lower Upper

180 100

182 98.8 48.6 145.9

145 27.1 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

