

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF053019\
 Data File : VF062794.D
 Acq On : 30 May 2019 14:35
 Operator : FY/SY
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Quant Time: May 31 03:36:32 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	994705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1660030	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.93	117	1137133	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	530471	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	65708	9.15	ug/l	0.00
Spiked Amount			Recovery	=	18.30%	
35) Dibromofluoromethane	4.33	113	127366	9.88	ug/l	0.00
Spiked Amount			Recovery	=	19.76%	
50) Toluene-d8	7.73	98	330216	9.87	ug/l	0.00
Spiked Amount			Recovery	=	19.74%	
62) 4-Bromofluorobenzene	11.51	95	104546	9.13	ug/l	0.00
Spiked Amount			Recovery	=	18.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	146086	10.197	ug/l	89
3) Chloromethane	1.16	50	110041	9.797	ug/l	96
4) Vinyl Chloride	1.20	62	111513	10.305	ug/l	95
5) Bromomethane	1.41	94	62612	9.847	ug/l	86
6) Chloroethane	1.46	64	44118	10.694	ug/l #	79
7) Trichlorofluoromethane	1.57	101	154793m	10.161	ug/l	
8) Diethyl Ether	1.72	74	29828	9.702	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.95	101	105768	10.697	ug/l #	92
10) Methyl Iodide	2.00	142	199156m	10.390	ug/l	
11) Tert butyl alcohol	2.71	59	22493	51.099	ug/l	96
12) 1,1-Dichloroethene	1.90	96	90856	10.427	ug/l	92
13) Acrolein	2.11	56	7735	45.617	ug/l	99
14) Allyl chloride	2.21	41	63128	9.917	ug/l	93
15) Acrylonitrile	3.11	53	115739	70.762	ug/l	84
16) Acetone	2.36	43	88734	53.148	ug/l	97
17) Carbon Disulfide	1.94	76	270907m	14.185	ug/l	
18) Methyl Acetate	2.49	43	28973	8.930	ug/l	94
19) Methyl tert-butyl Ether	2.56	73	161943	10.232	ug/l	93
20) Methylene Chloride	2.37	84	103713m	10.550	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	89724m	9.876	ug/l	
22) Diisopropyl ether	2.95	45	190775	10.199	ug/l	96
23) Vinyl Acetate	3.37	43	684368	49.696	ug/l	98
24) 1,1-Dichloroethane	3.03	63	149896	10.571	ug/l	99
25) 2-Butanone	4.56	43	200812	50.634	ug/l #	88
26) 2,2-Dichloropropane	3.80	77	82459	9.836	ug/l	94
27) cis-1,2-Dichloroethene	3.66	96	145826	9.940	ug/l	91
28) Bromochloromethane	3.93	49	75646	9.397	ug/l	92
29) Tetrahydrofuran	4.29	42	72690	49.610	ug/l	95
30) Chloroform	4.06	83	208745	10.065	ug/l	93
31) Cyclohexane	3.90	56	204790m	10.390	ug/l	
32) 1,1,1-Trichloroethane	4.30	97	125580	10.951	ug/l #	86
36) 1,1-Dichloropropene	4.49	75	165995	10.257	ug/l	97
37) Ethyl Acetate	4.33	43	62702	9.614	ug/l #	90
38) Carbon Tetrachloride	4.20	117	109529	10.113	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	206154	10.448	ug/l	96
40) Benzene	4.84	78	493215	10.330	ug/l	99
41) Methacrylonitrile	4.95	41	36011	10.166	ug/l #	89
42) 1,2-Dichloroethane	5.15	62	89743	10.113	ug/l	97
43) Isopropyl Acetate	7.13	43	75815	9.379	ug/l #	98
44) Trichloroethene	5.70	130	138385	10.345	ug/l	89
45) 1,2-Dichloropropane	6.43	63	122661	10.433	ug/l	99
46) Dibromomethane	6.28	93	67633	9.896	ug/l	94
47) Bromodichloromethane	6.57	83	136163	9.780	ug/l	97
48) Methyl methacrylate	6.89	41	38314	9.298	ug/l #	88
49) 1,4-Dioxane	6.89	88	8930	179.673	ug/l #	86
51) 4-Methyl-2-Pentanone	8.42	43	309720	49.812	ug/l	97
52) Toluene	7.80	92	256134	10.250	ug/l	87
53) t-1,3-Dichloropropene	8.44	75	116702	10.125	ug/l	98
54) cis-1,3-Dichloropropene	7.48	75	161872	9.703	ug/l	95
55) 1,1,2-Trichloroethane	8.66	97	76809	10.041	ug/l	95
56) Ethyl methacrylate	8.78	69	73434	9.358	ug/l	95
57) 1,3-Dichloropropane	9.01	76	114740	9.219	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.47	63	136411	49.085	ug/l	99
59) 2-Hexanone	9.64	43	207275	47.645	ug/l	99
60) Dibromochloromethane	8.88	129	86695	9.395	ug/l	98
61) 1,2-Dibromoethane	9.15	107	70322	9.308	ug/l	100
64) Tetrachloroethene	8.32	164	102631	10.817	ug/l #	82
65) Chlorobenzene	9.95	112	237354	10.294	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.08	131	92505	10.270	ug/l	95
67) Ethyl Benzene	10.05	91	435109	10.826	ug/l	93
68) m/p-Xylenes	10.27	106	317454	21.170	ug/l	80
69) o-Xylene	10.84	106	162506	10.691	ug/l	98
70) Styrene	10.91	104	233342	10.441	ug/l	98
71) Bromoform	10.90	173	43766	9.994	ug/l #	93
73) Isopropylbenzene	11.23	105	420344	10.474	ug/l	90
74) N-amyl acetate	11.46	43	126039	11.071	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.78	83	88000	10.148	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	56242	10.084	ug/l	93
77) Bromobenzene	11.60	156	101624	10.340	ug/l	96
78) n-propylbenzene	11.68	91	535315	10.748	ug/l	89
79) 2-Chlorotoluene	11.81	91	282044	10.338	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	342382	10.465	ug/l	89
81) trans-1,4-Dichloro-2-buten	11.95	75	20850m	7.159	ug/l	
82) 4-Chlorotoluene	11.98	91	279140	10.324	ug/l	94
83) tert-Butylbenzene	12.21	119	330594	10.403	ug/l	93
84) 1,2,4-Trimethylbenzene	12.28	105	338646	10.844	ug/l	87
85) sec-Butylbenzene	12.37	105	454190	10.460	ug/l	92
86) p-Isopropyltoluene	12.53	119	390486	10.931	ug/l	94
87) 1,3-Dichlorobenzene	12.55	146	187856	10.645	ug/l	93
88) 1,4-Dichlorobenzene	12.64	146	175158	10.646	ug/l	96
89) n-Butylbenzene	12.91	91	410591	11.150	ug/l	86
90) Hexachloroethane	12.99	117	88324	10.413	ug/l	95
91) 1,2-Dichlorobenzene	13.01	146	168508	10.876	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	9636	10.439	ug/l	83

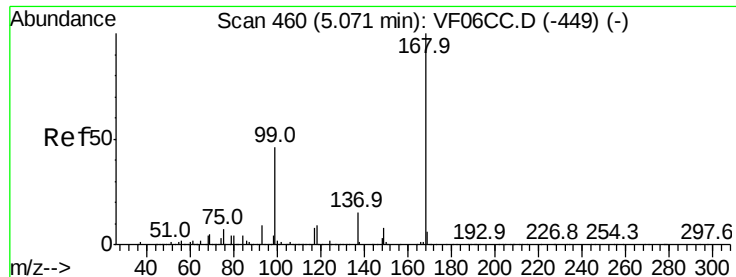
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF053019\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	112657	10.713	ug/l	94
94) Hexachlorobutadiene	14.24	225	77422	10.716	ug/l	91
95) Naphthalene	14.50	128	166277	9.956	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	97070	10.428	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. -0.00 min

Lab File: VF062794.D

Acq: 30 May 2019 14:35

Instrument :

MSVOA_F

ClientSampleId :

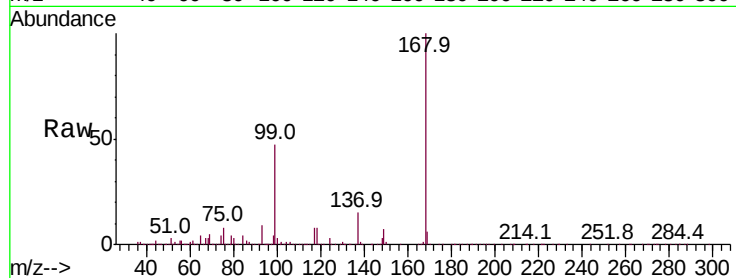
VSTDIC010

Tot Ion:168 Resp: 994705

Ion Ratio Lower Upper

168 100

99 46.8 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

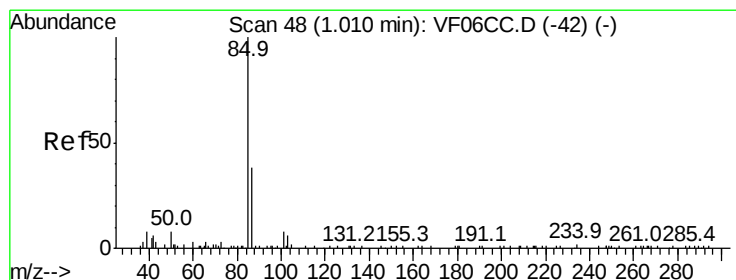
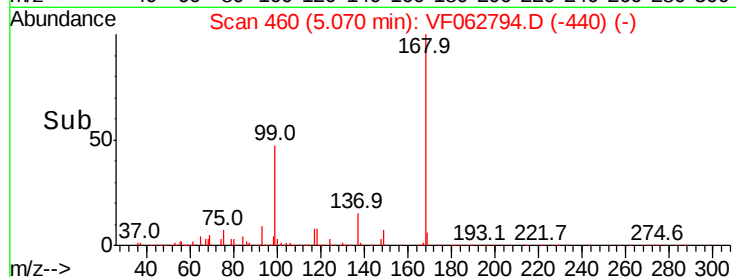
300000

200000

100000

0

Time--> 4.90 5.00 5.10 5.20 5.30



#2

Dichlorodifluoromethane

Concen: 10.197 ug/l

RT: 1.01 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062794.D

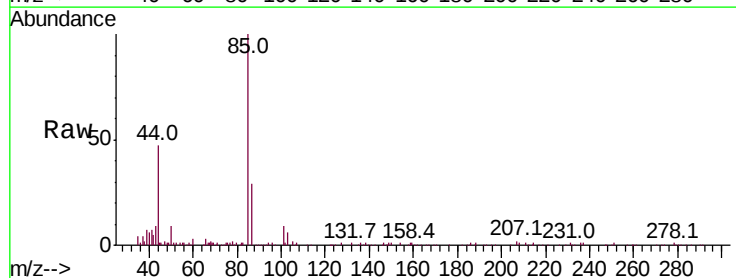
Acq: 30 May 2019 14:35

Tgt Ion: 85 Resp: 146086

Ion Ratio Lower Upper

85 100

87 29.0 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

40000

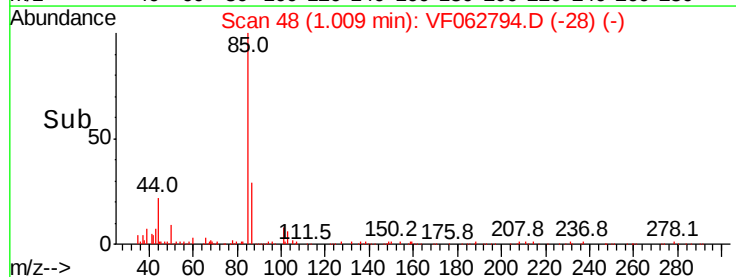
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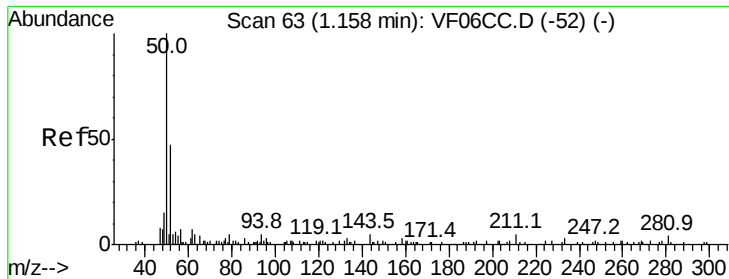
20000

10000

0

Time--> 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 9.797 ug/l

RT: 1.16 min Scan# 63

Delta R.T. 0.01 min

Lab File: VF062794.D

Acq: 30 May 2019 14:35

Instrument :

MSVOA_F

ClientSampleId :

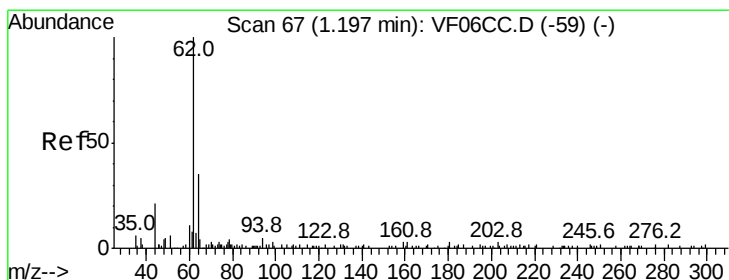
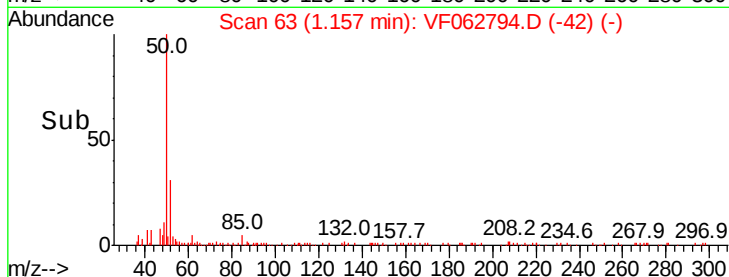
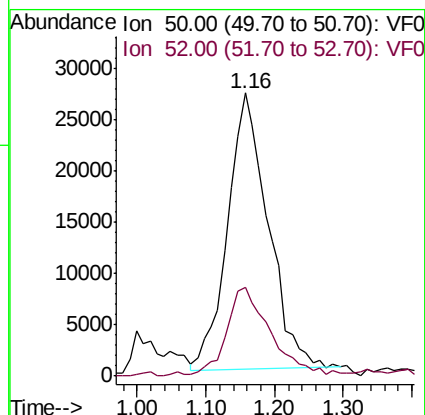
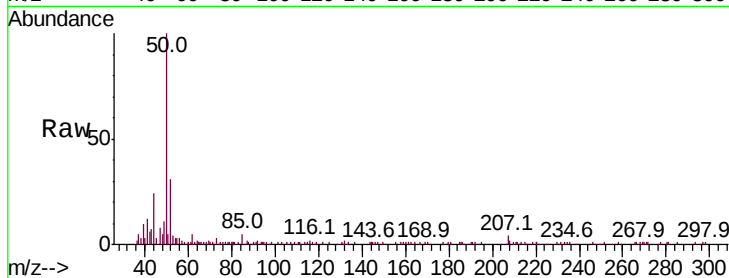
VSTDIC010

Tot Ion: 50 Resp: 110041

Ion Ratio Lower Upper

50 100

52 31.5 27.0 40.4



#4

Vinyl Chloride

Concen: 10.305 ug/l

RT: 1.20 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062794.D

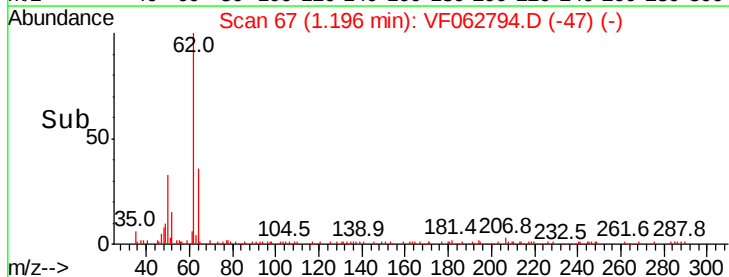
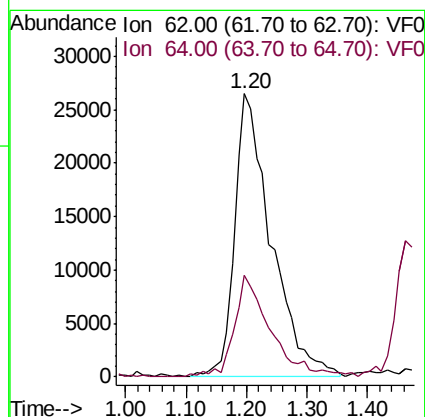
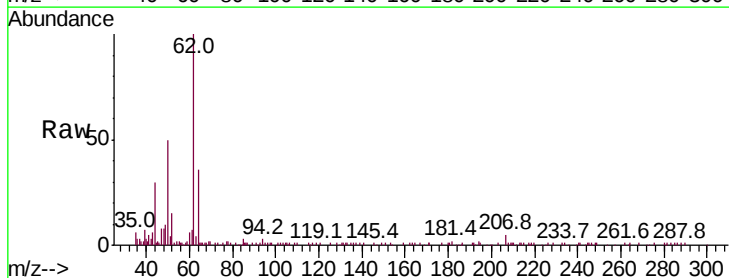
Acq: 30 May 2019 14:35

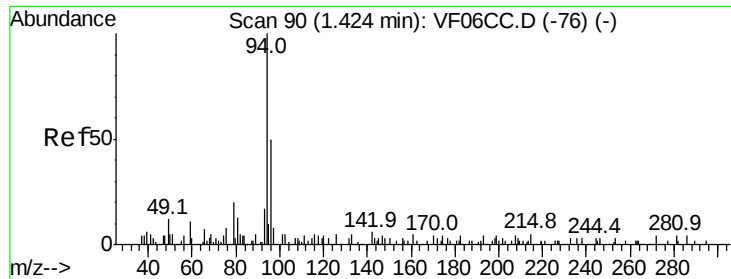
Tgt Ion: 62 Resp: 111513

Ion Ratio Lower Upper

62 100

64 35.8 26.2 39.2





#5

Bromomethane

Concen: 9.847 ug/l

RT: 1.41 min Scan# 89

Delta R.T. 0.01 min

Lab File: VF062794.D

Acq: 30 May 2019 14:35

Instrument :

MSVOA_F

ClientSampleId :

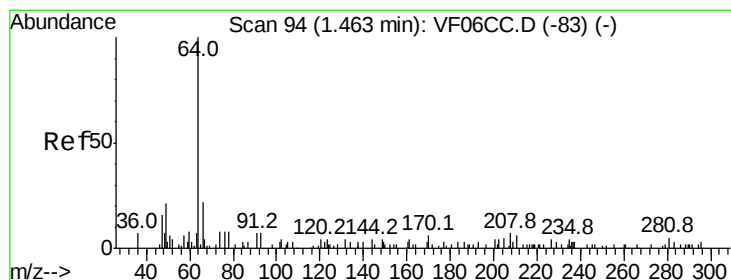
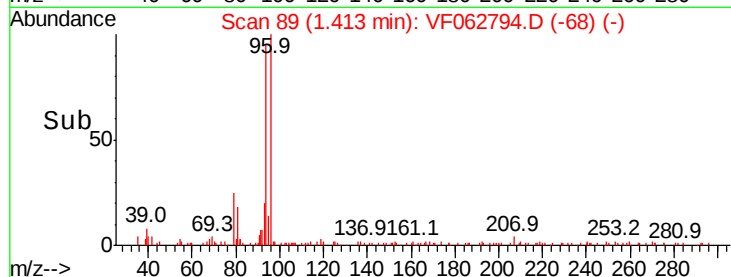
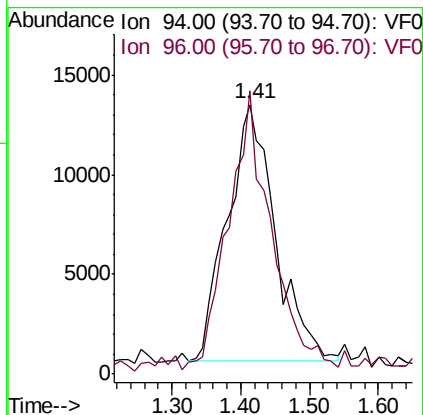
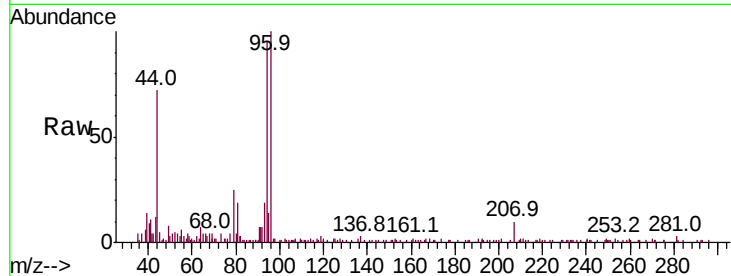
VSTDIC010

Tot Ion: 94 Resp: 62612

Ion Ratio Lower Upper

94 100

96 105.1 73.8 110.6



#6

Chloroethane

Concen: 10.694 ug/l

RT: 1.46 min Scan# 94

Delta R.T. -0.00 min

Lab File: VF062794.D

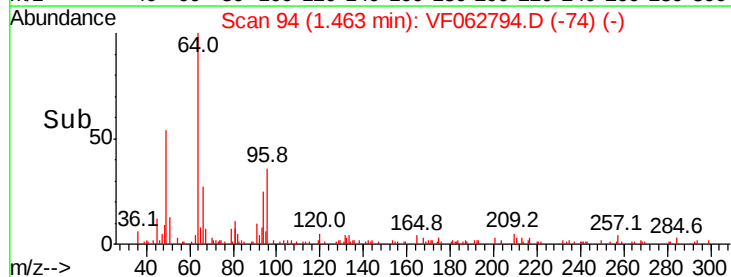
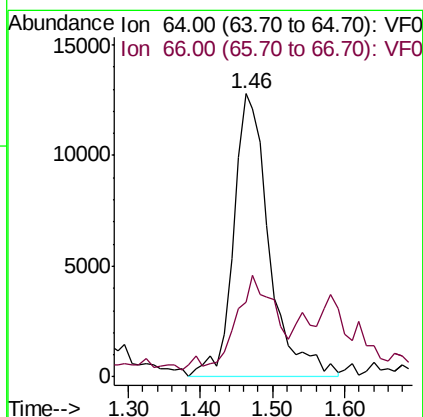
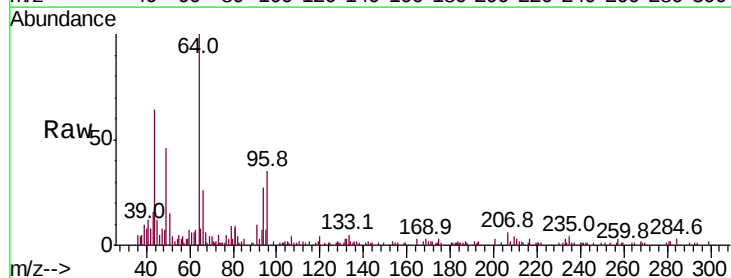
Acq: 30 May 2019 14:35

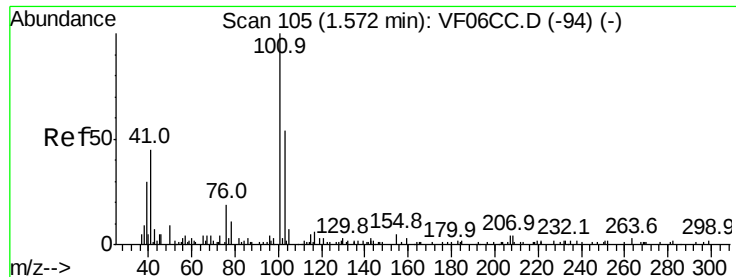
Tgt Ion: 64 Resp: 44118

Ion Ratio Lower Upper

64 100

66 26.2 31.0 46.4#



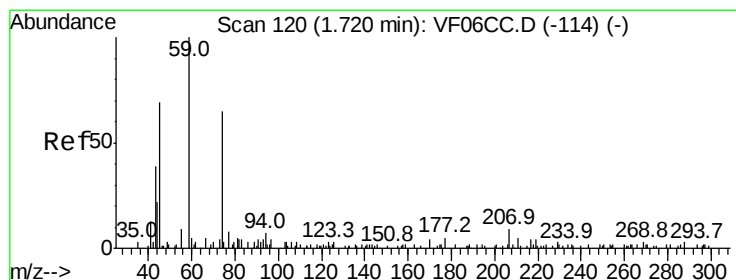
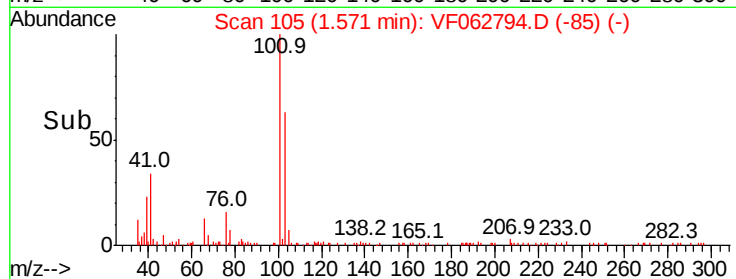
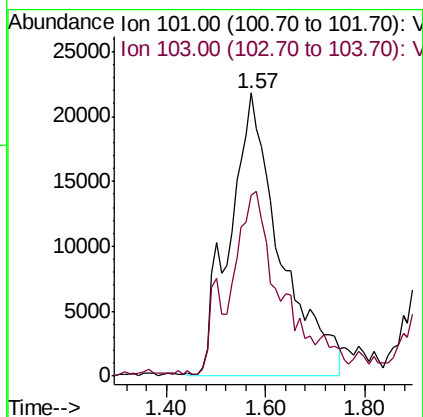
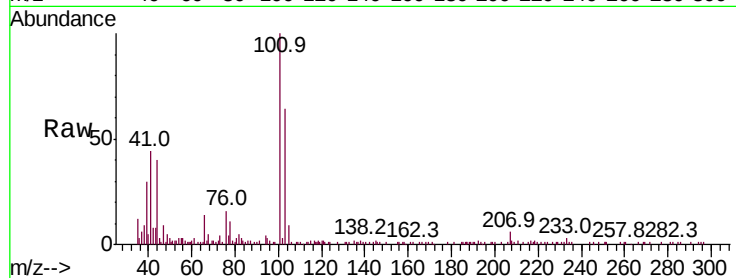


#7

Trichlorofluoromethane
 Concen: 10.161 ug/l m
 RT: 1.57 min Scan# 105
 Delta R.T. -0.00 min
 Lab File: VF062794.D
 Acq: 30 May 2019 14:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

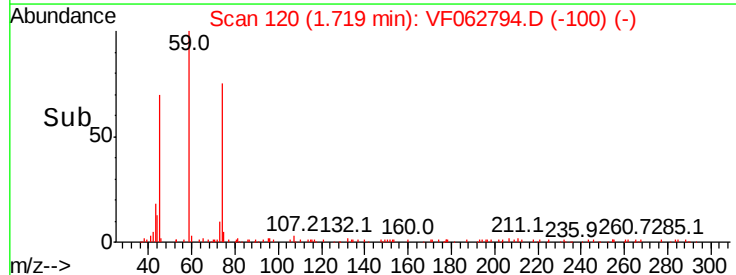
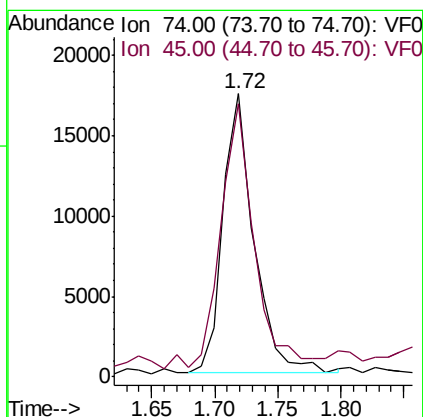
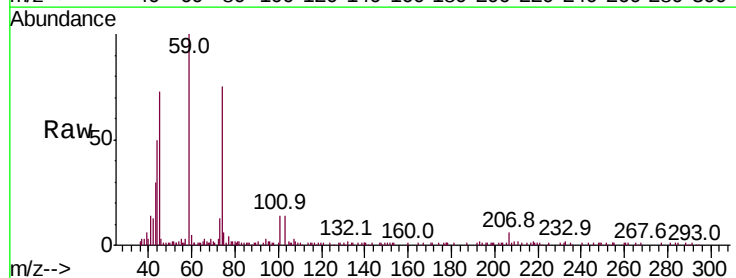
Tot Ion:101 Resp: 154793
 Ion Ratio Lower Upper
 101 100
 103 64.1 54.6 82.0

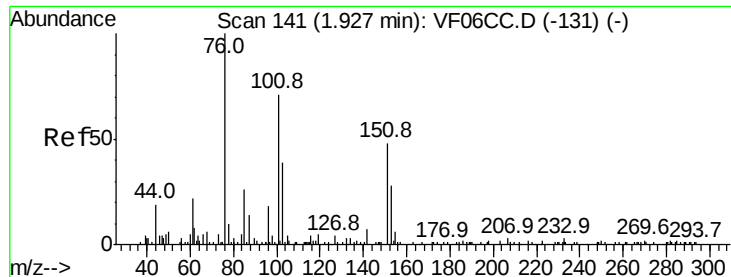


#8

Diethyl Ether
 Concen: 9.702 ug/l
 RT: 1.72 min Scan# 120
 Delta R.T. -0.00 min
 Lab File: VF062794.D
 Acq: 30 May 2019 14:35

Tgt Ion: 74 Resp: 29828
 Ion Ratio Lower Upper
 74 100
 45 96.7 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.697 ug/l

RT: 1.95 min Scan# 143

Delta R.T. 0.01 min

Lab File: VF062794.D

Acq: 30 May 2019 14:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

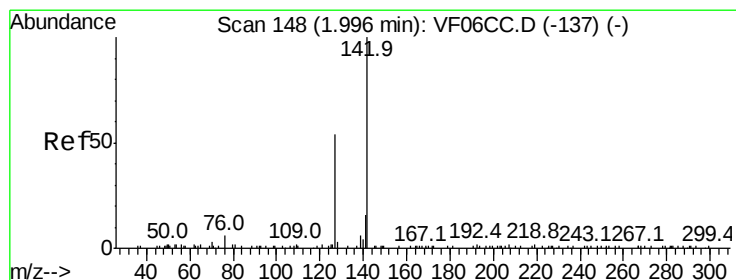
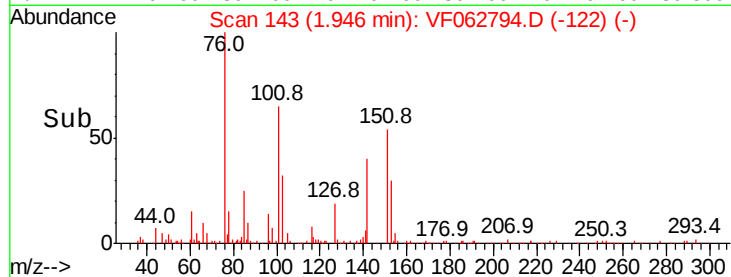
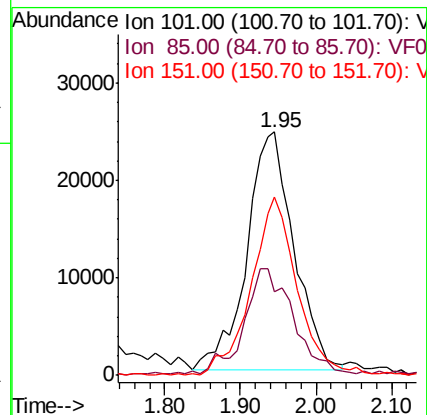
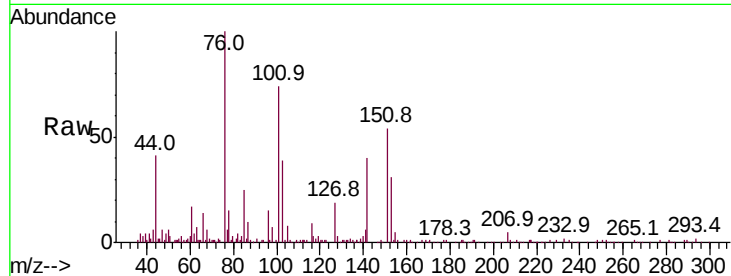
Tot Ion:101 Resp: 105768

Ion Ratio Lower Upper

101 100

85 34.5 37.1 55.7#

151 73.4 60.3 90.5



#10

Methyl Iodide

Concen: 10.390 ug/l m

RT: 2.00 min Scan# 149

Delta R.T. -0.01 min

Lab File: VF062794.D

Acq: 30 May 2019 14:35

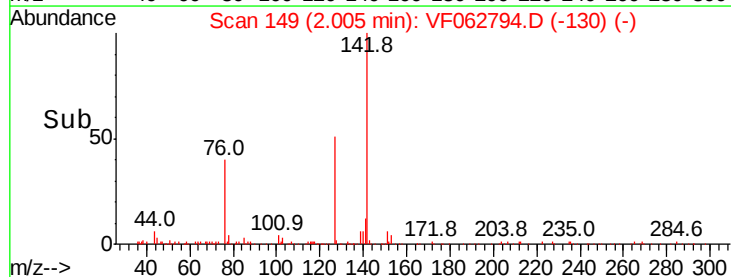
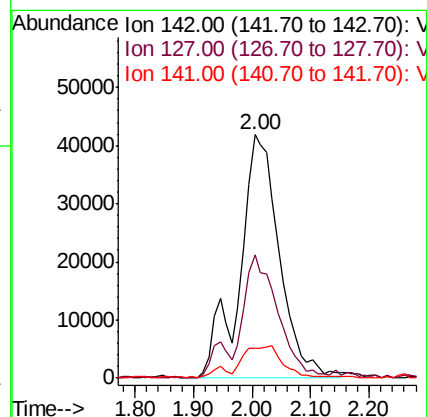
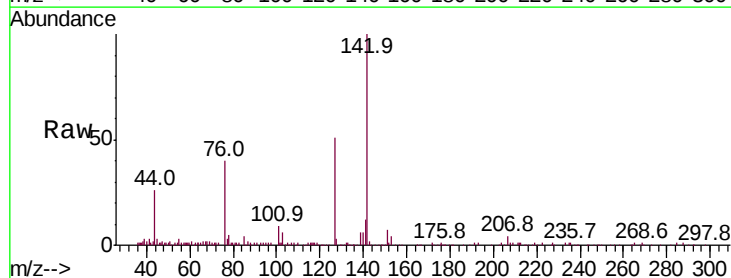
Tgt Ion:142 Resp: 199156

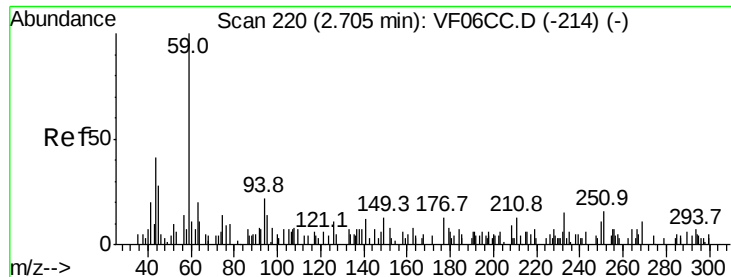
Ion Ratio Lower Upper

142 100

127 50.9 39.4 59.2

141 12.3 10.6 15.8



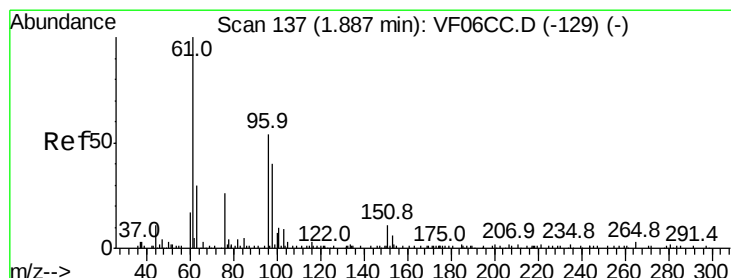
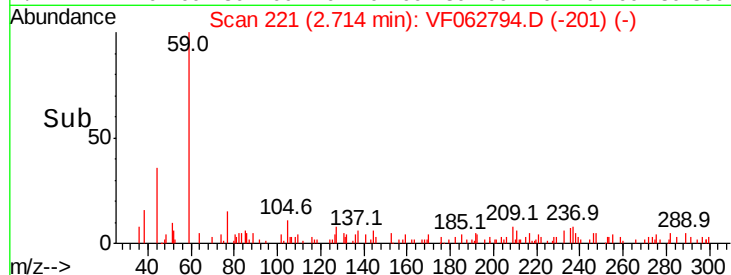
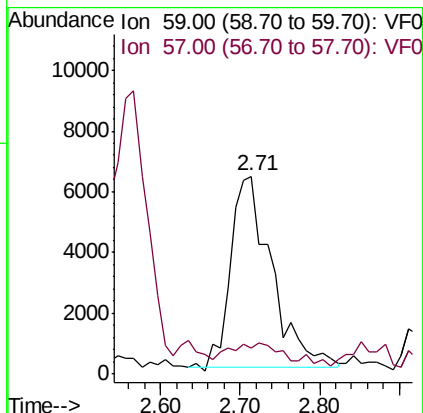
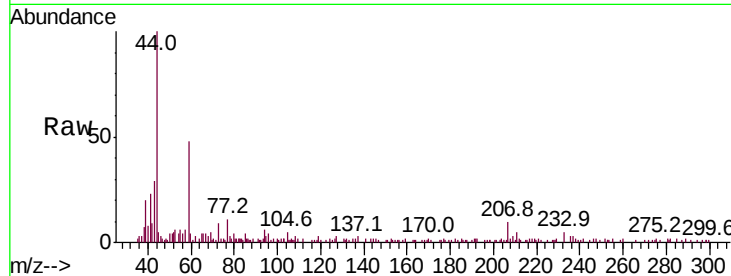


#11

Tert butyl alcohol
Concen: 51.099 ug/l
RT: 2.71 min Scan# 221
Delta R.T. -0.00 min
Lab File: VF062794.D
Acq: 30 May 2019 14:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

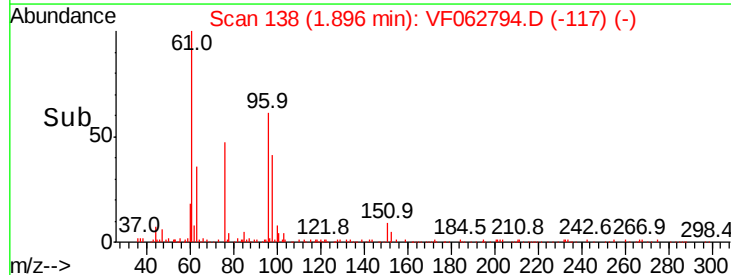
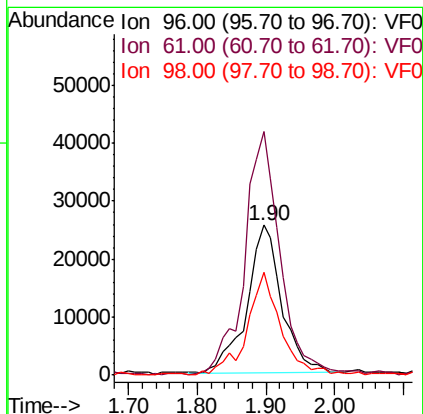
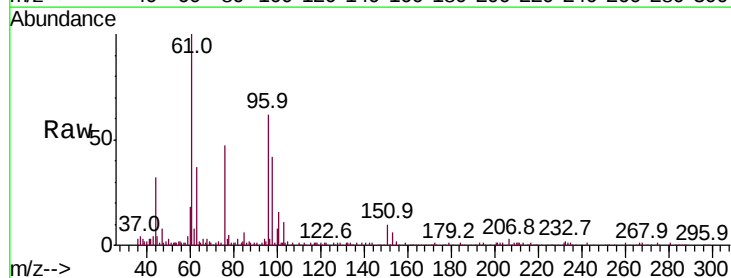
Tot Ion: 59 Resp: 22493
Ion Ratio Lower Upper
59 100
57 13.0 9.2 13.8

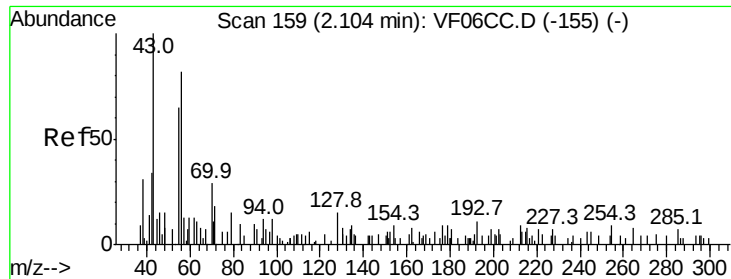


#12

1,1-Dichloroethene
Concen: 10.427 ug/l
RT: 1.90 min Scan# 138
Delta R.T. 0.01 min
Lab File: VF062794.D
Acq: 30 May 2019 14:35

Tgt Ion: 96 Resp: 90856
Ion Ratio Lower Upper
96 100
61 162.5 139.4 209.2
98 68.6 50.3 75.5

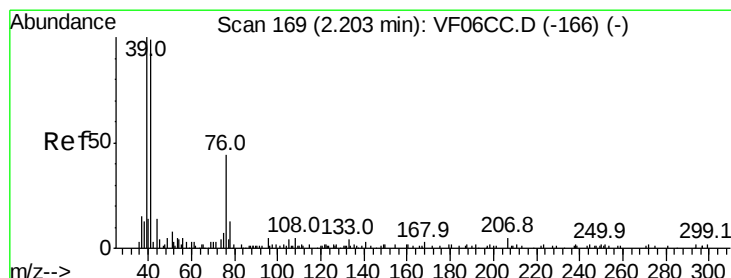
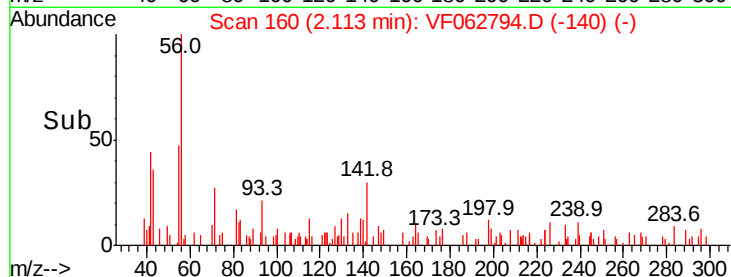
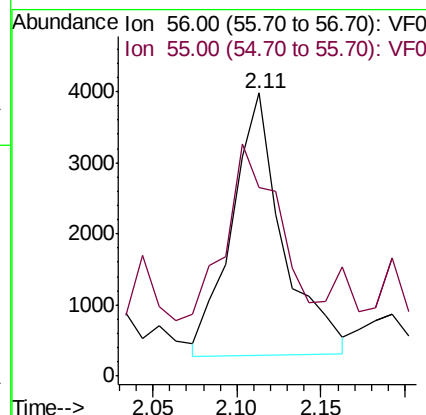
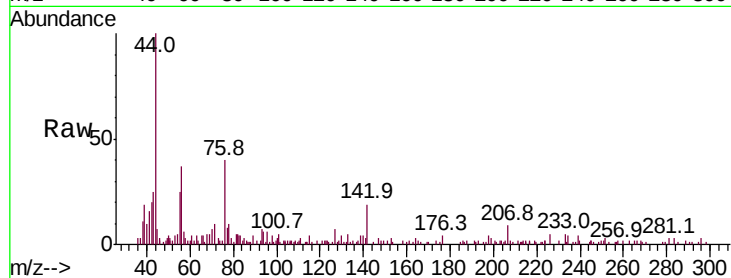




#13
Acrolein
Concen: 45.617 ug/l
RT: 2.11 min Scan# 160
Delta R.T. -0.00 min
Lab File: VF062794.D
Acq: 30 May 2019 14:35

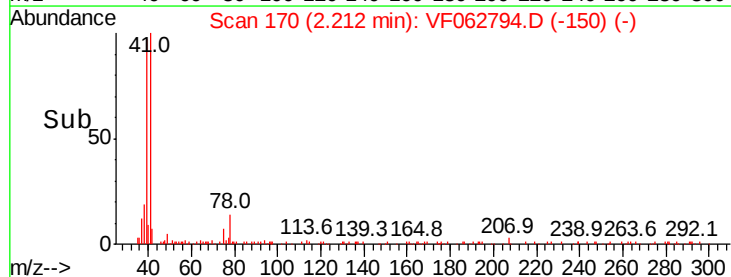
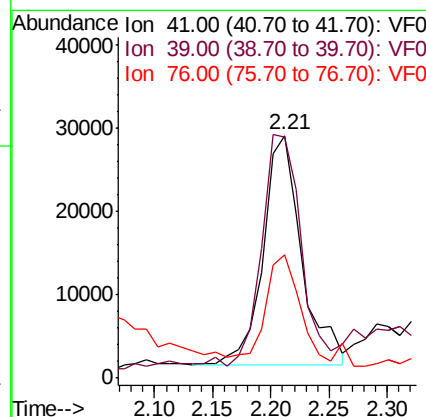
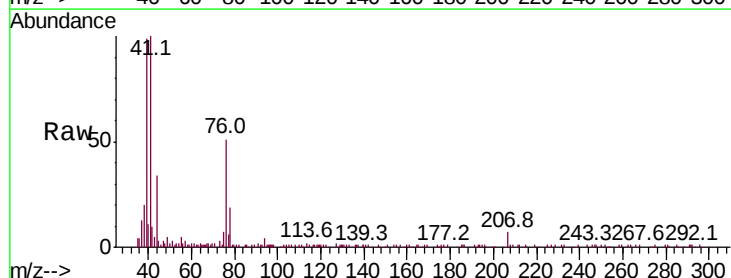
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

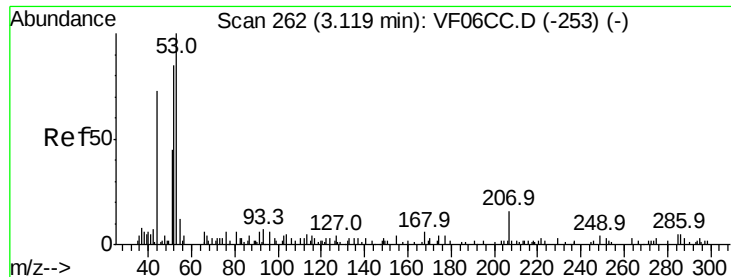
Tot Ion: 56 Resp: 7735
Ion Ratio Lower Upper
56 100
55 66.5 52.9 79.3



#14
Allyl chloride
Concen: 9.917 ug/l
RT: 2.21 min Scan# 170
Delta R.T. -0.00 min
Lab File: VF062794.D
Acq: 30 May 2019 14:35

Tgt Ion: 41 Resp: 63128
Ion Ratio Lower Upper
41 100
39 99.2 71.9 107.9
76 51.0 39.6 59.4





#15

Acrylonitrile

Concen: 70.762 ug/l

RT: 3.11 min Scan# 261

Delta R.T. -0.00 min

Lab File: VF062794.D

Acq: 30 May 2019 14:35

Instrument :

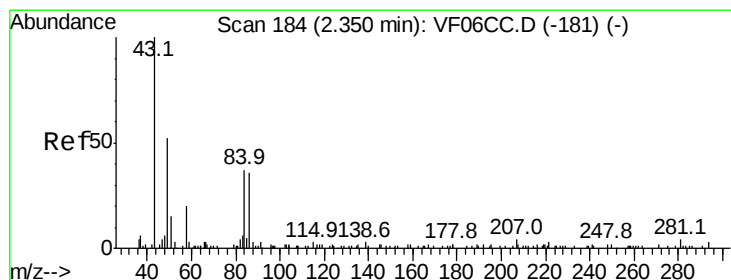
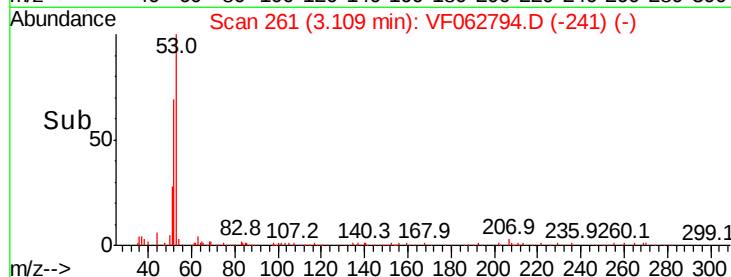
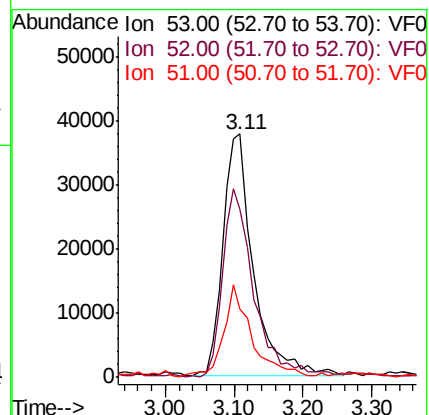
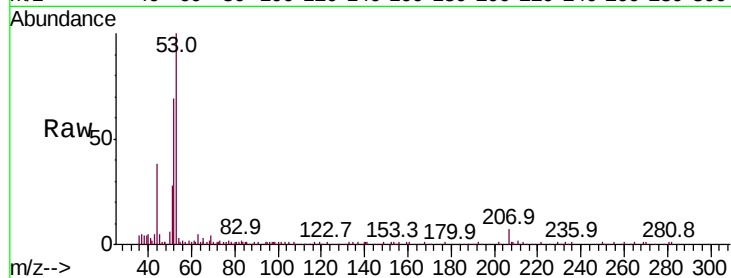
MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 53 Resp: 115739

Ion	Ratio	Lower	Upper
53	100		
52	69.0	68.1	102.1
51	28.2	27.7	41.5



#16

Acetone

Concen: 53.148 ug/l

RT: 2.36 min Scan# 185

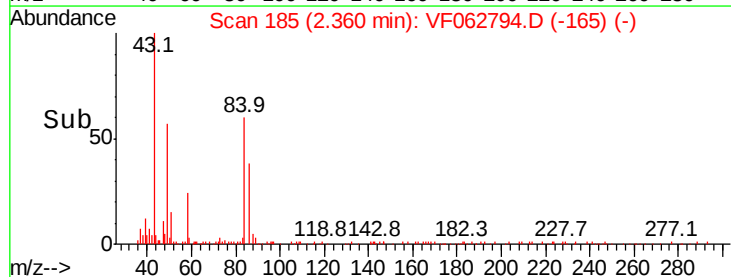
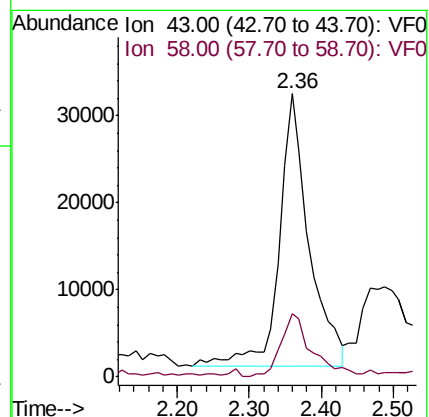
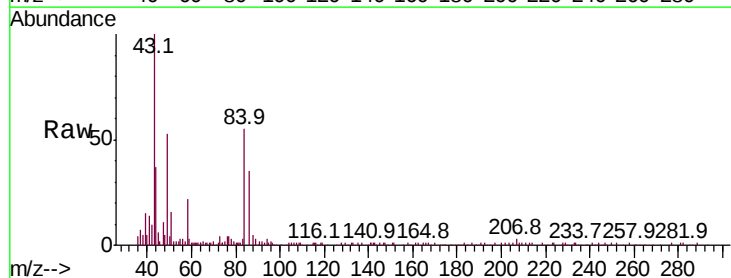
Delta R.T. -0.00 min

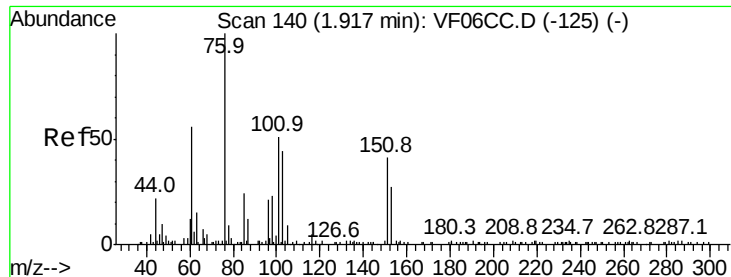
Lab File: VF062794.D

Acq: 30 May 2019 14:35

Tgt Ion: 43 Resp: 88734

Ion	Ratio	Lower	Upper
43	100		
58	22.3	19.0	28.4

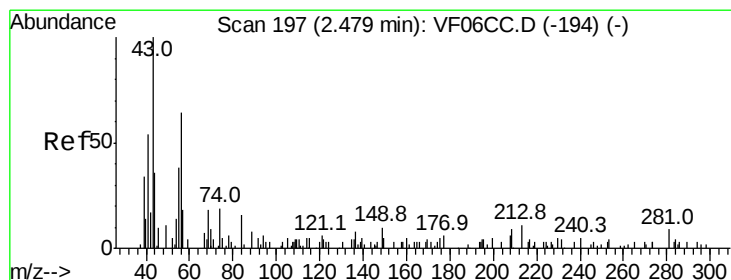
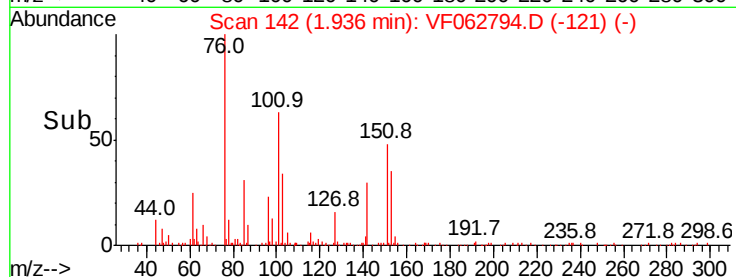
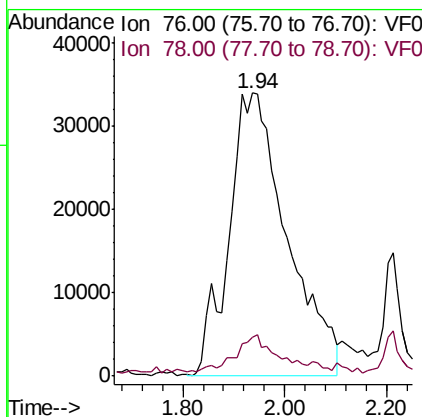
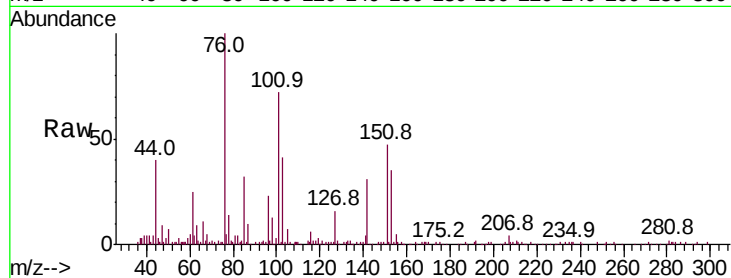




#17
Carbon Disulfide
Concen: 14.185 ug/l m
RT: 1.94 min Scan# 142
Delta R.T. 0.01 min
Lab File: VF062794.D
Acq: 30 May 2019 14:35

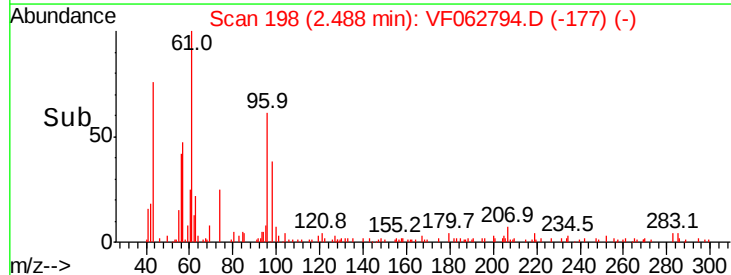
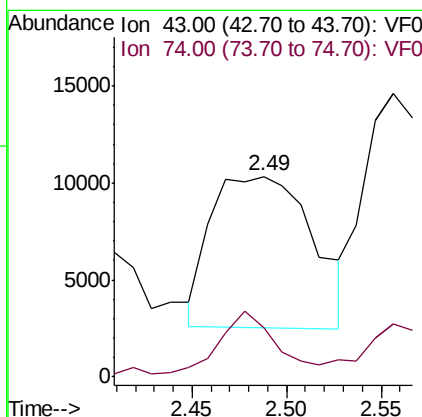
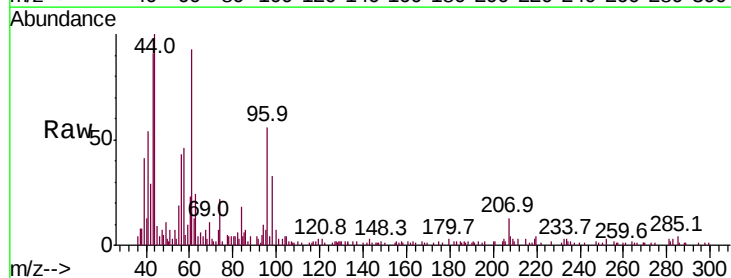
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

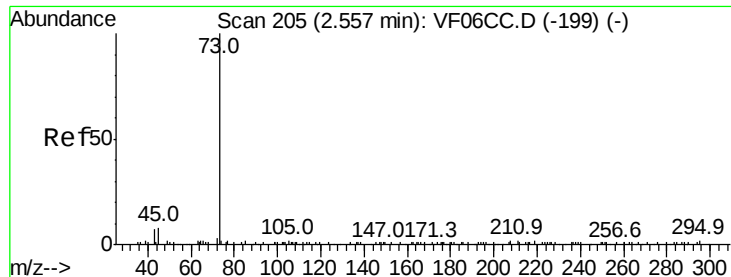
Tot Ion: 76 Resp: 270907
Ion Ratio Lower Upper
76 100
78 13.8 9.4 14.2



#18
Methyl Acetate
Concen: 8.930 ug/l
RT: 2.49 min Scan# 198
Delta R.T. 0.01 min
Lab File: VF062794.D
Acq: 30 May 2019 14:35

Tgt Ion: 43 Resp: 28973
Ion Ratio Lower Upper
43 100
74 24.4 22.1 33.1

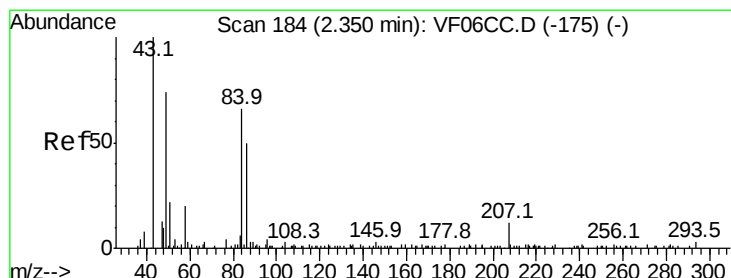
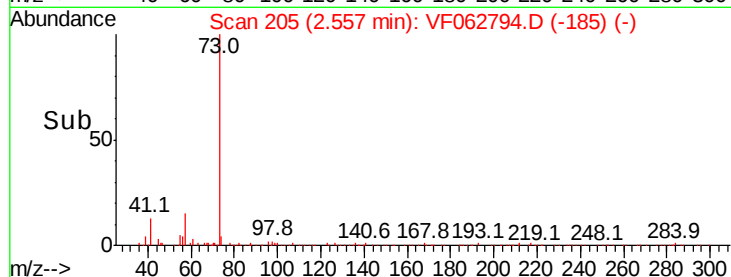
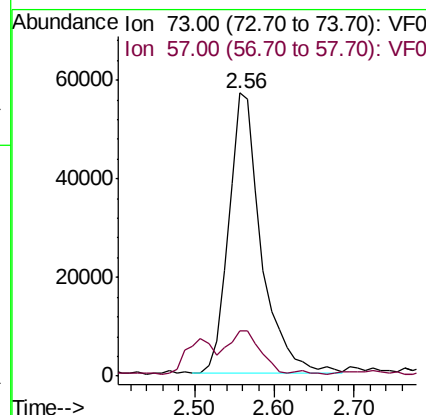
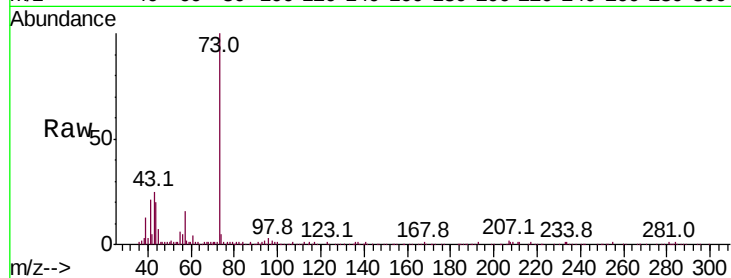




#19
Methyl tert-butyl Ether
Concen: 10.232 ug/l
RT: 2.56 min Scan# 205
Delta R.T. -0.00 min
Lab File: VF062794.D
Acq: 30 May 2019 14:35

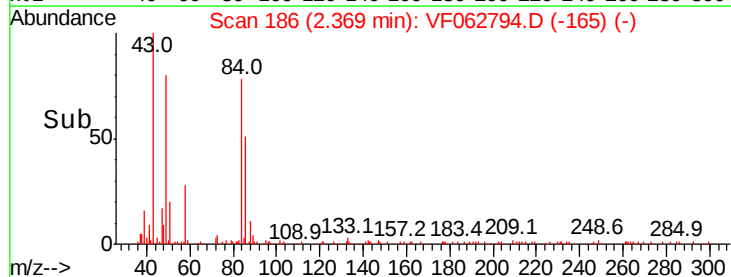
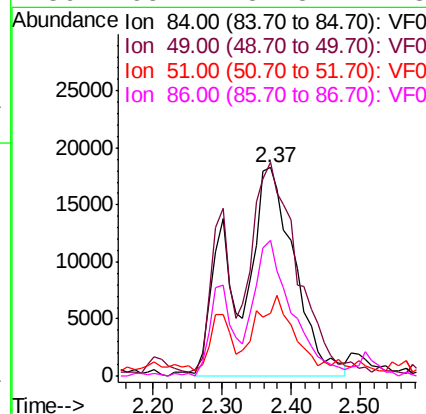
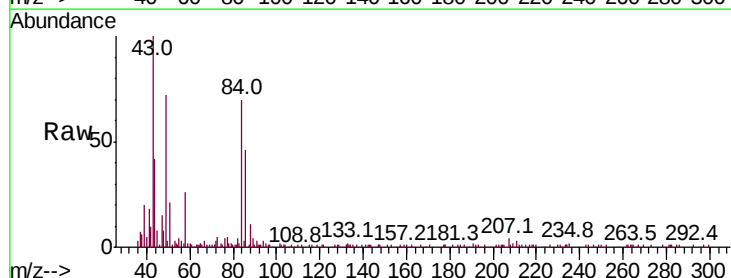
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

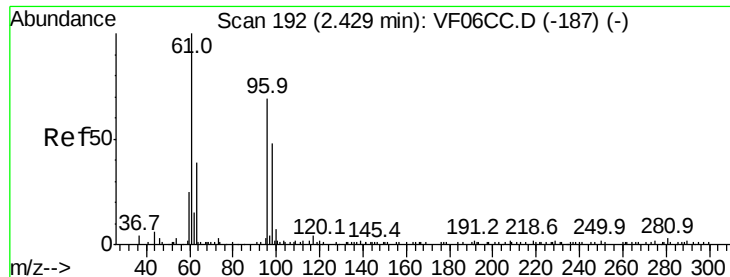
Tot Ion: 73 Resp: 161943
Ion Ratio Lower Upper
73 100
57 15.8 15.1 22.7



#20
Methylene Chloride
Concen: 10.550 ug/l m
RT: 2.37 min Scan# 186
Delta R.T. 0.01 min
Lab File: VF062794.D
Acq: 30 May 2019 14:35

Tgt Ion: 84 Resp: 103713
Ion Ratio Lower Upper
84 100
49 102.6 82.6 123.8
51 30.2 25.0 37.4
86 65.1 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 9.876 ug/l m

RT: 2.43 min Scan# 192

Delta R.T. -0.01 min

Lab File: VF062794.D

Acq: 30 May 2019 14:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

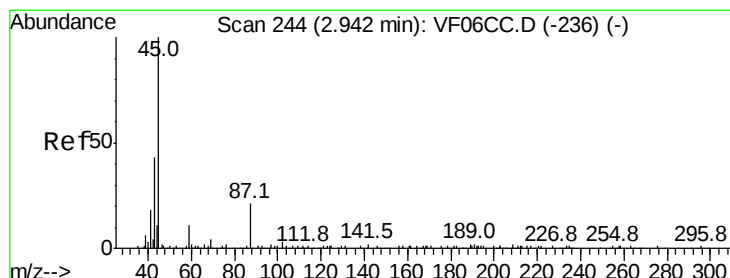
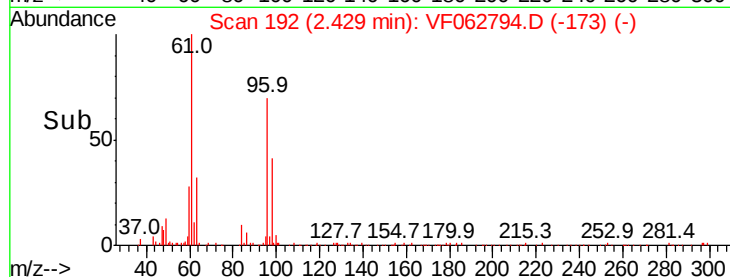
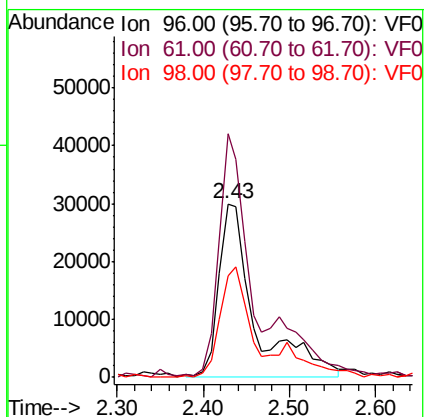
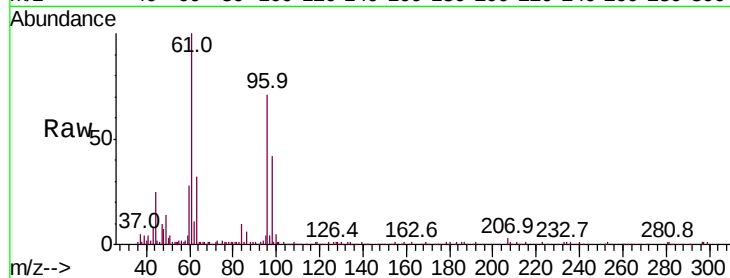
Tot Ion: 96 Resp: 89724

Ion Ratio Lower Upper

96 100

61 140.4 105.0 157.6

98 58.4 51.1 76.7



#22

Diisopropyl ether

Concen: 10.199 ug/l

RT: 2.95 min Scan# 245

Delta R.T. -0.00 min

Lab File: VF062794.D

Acq: 30 May 2019 14:35

Tgt Ion: 45 Resp: 190775

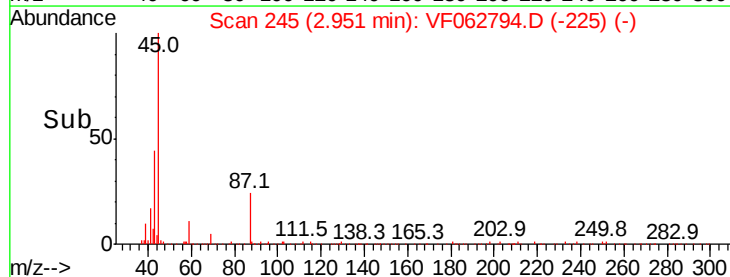
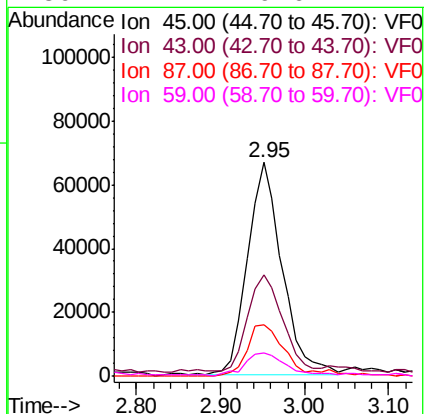
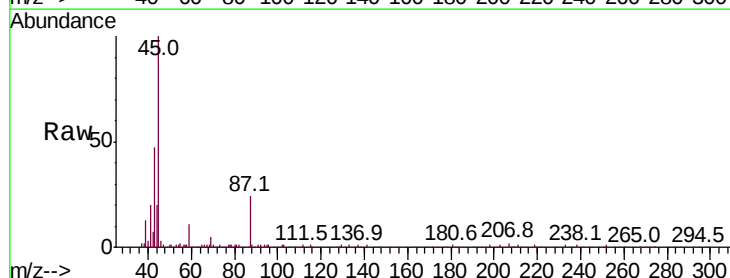
Ion Ratio Lower Upper

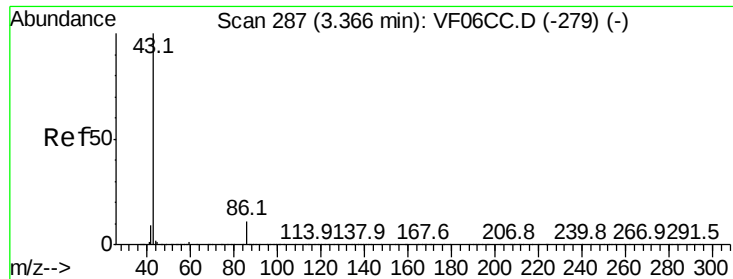
45 100

43 47.5 34.3 51.5

87 24.1 19.0 28.4

59 11.1 9.6 14.4





#23

Vinyl Acetate

Concen: 49.696 ug/l

RT: 3.37 min Scan# 287

Delta R.T. -0.00 min

Lab File: VF062794.D

Acq: 30 May 2019 14:35

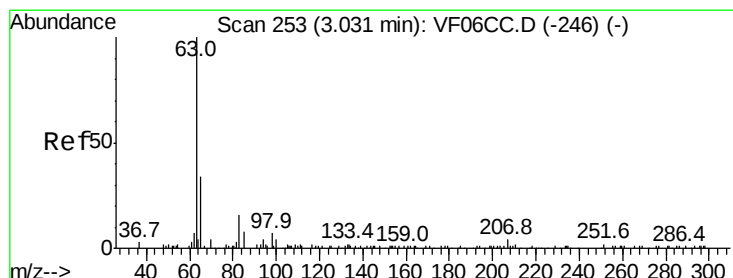
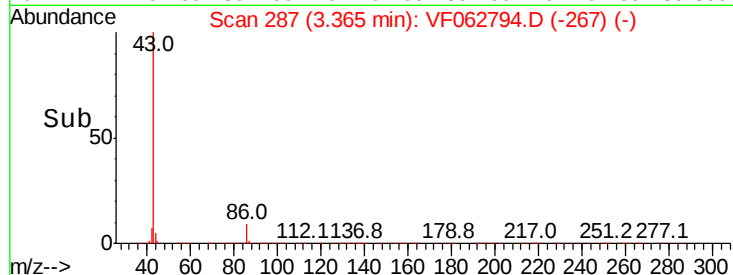
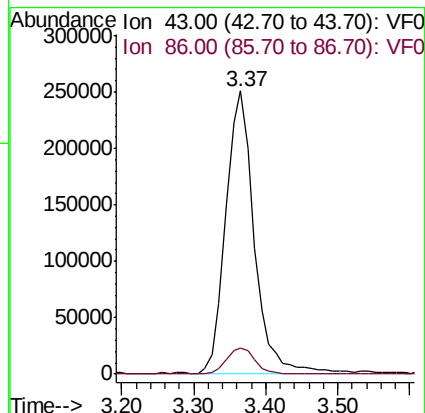
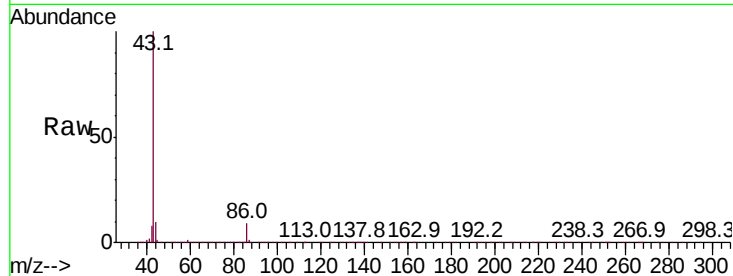
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 684368

Ion Ratio Lower Upper

43 100

86 9.3 8.2 12.2



#24

1,1-Dichloroethane

Concen: 10.571 ug/l

RT: 3.03 min Scan# 253

Delta R.T. -0.00 min

Lab File: VF062794.D

Acq: 30 May 2019 14:35

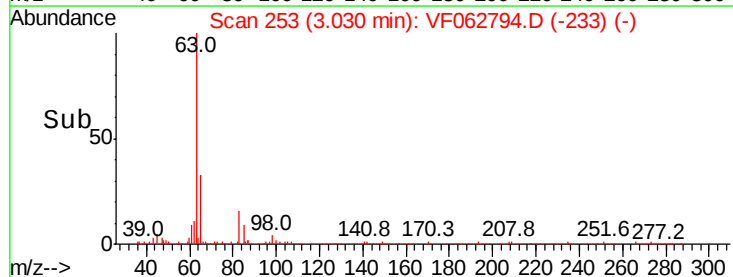
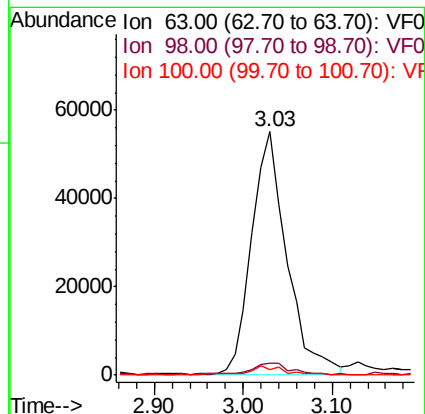
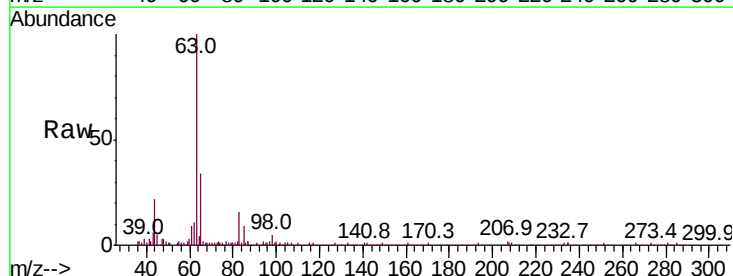
Tgt Ion: 63 Resp: 149896

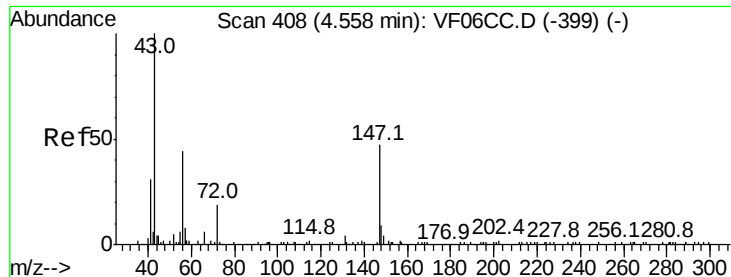
Ion Ratio Lower Upper

63 100

98 4.8 2.4 7.1

100 2.3 1.5 4.5





#25

2-Butanone

Concen: 50.634 ug/l

RT: 4.56 min Scan# 408

Delta R.T. 0.01 min

Lab File: VF062794.D

Acq: 30 May 2019 14:35

Instrument :

MSVOA_F

ClientSampleId :

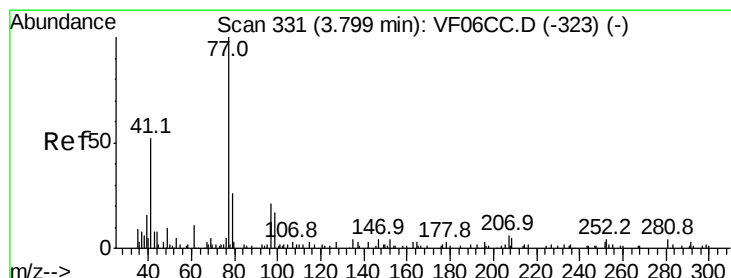
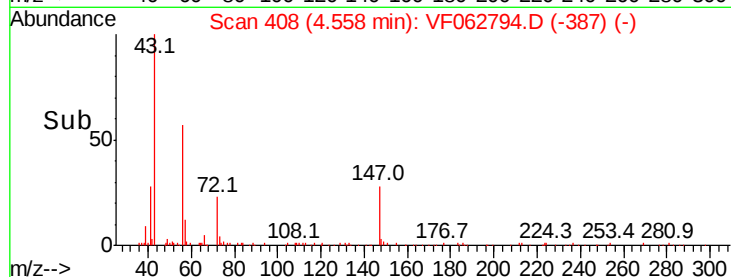
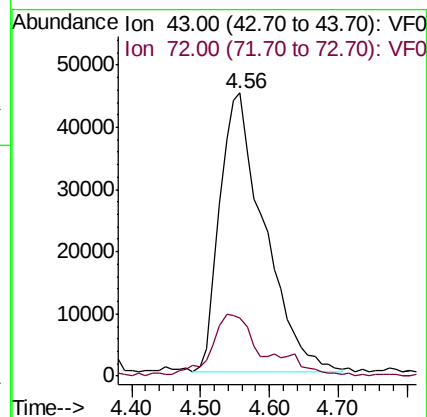
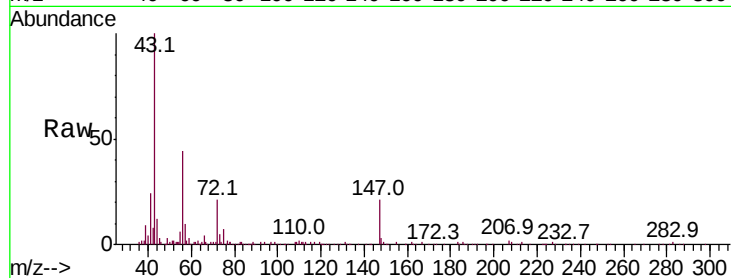
VSTDIC010

Tot Ion: 43 Resp: 200812

Ion Ratio Lower Upper

43 100

72 20.7 21.4 32.0#



#26

2,2-Dichloropropane

Concen: 9.836 ug/l

RT: 3.80 min Scan# 331

Delta R.T. -0.00 min

Lab File: VF062794.D

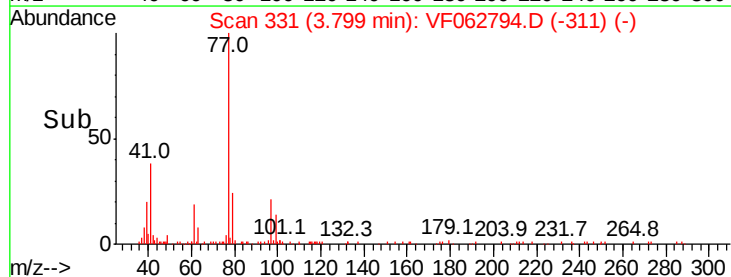
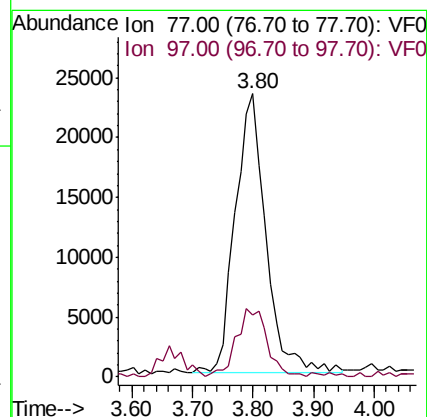
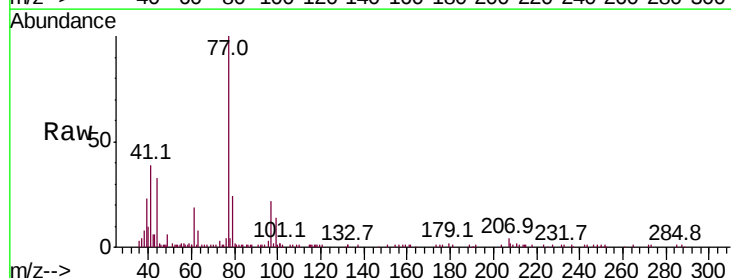
Acq: 30 May 2019 14:35

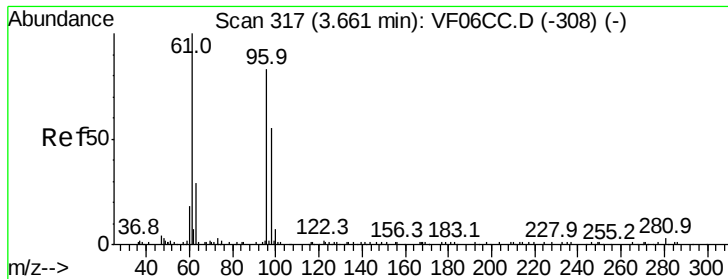
Tgt Ion: 77 Resp: 82459

Ion Ratio Lower Upper

77 100

97 21.7 12.4 37.4



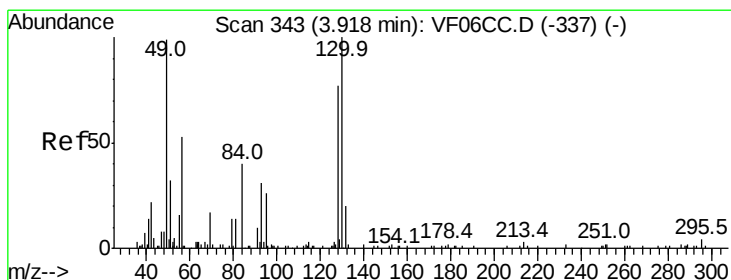
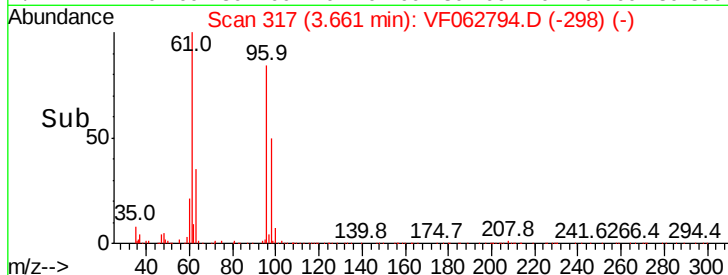
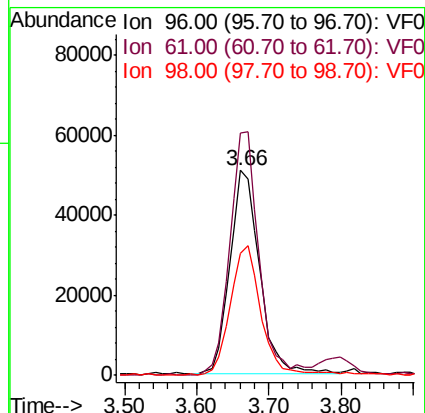
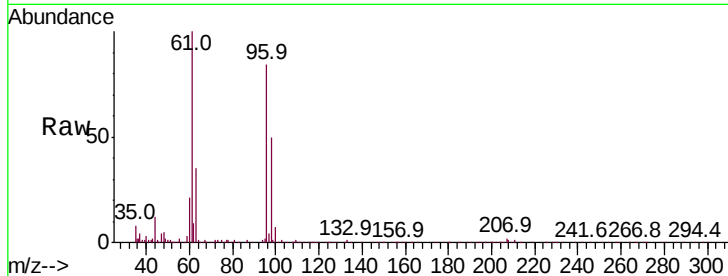


#27

cis-1,2-Dichloroethene
Concen: 9.940 ug/l
RT: 3.66 min Scan# 317
Delta R.T. -0.01 min
Lab File: VF062794.D
Acq: 30 May 2019 14:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

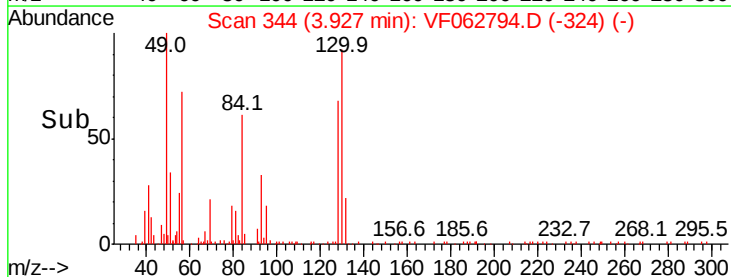
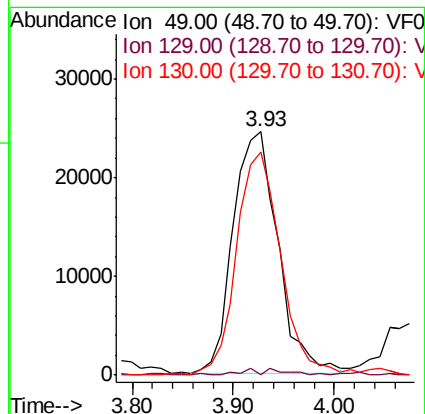
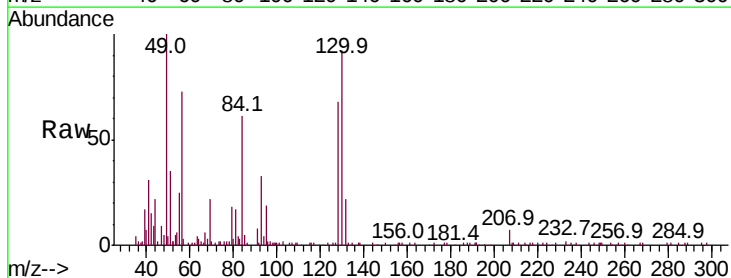
Tot Ion	Ratio	Lower	Upper
96	100		
61	118.6	0.0	213.8
98	59.4	0.0	127.0

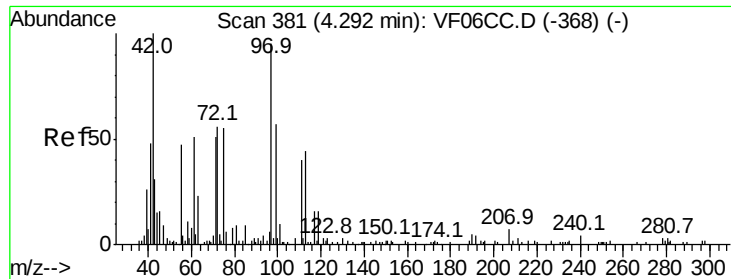


#28

Bromochloromethane
Concen: 9.397 ug/l
RT: 3.93 min Scan# 344
Delta R.T. -0.00 min
Lab File: VF062794.D
Acq: 30 May 2019 14:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.4
130	91.5	79.2	118.8

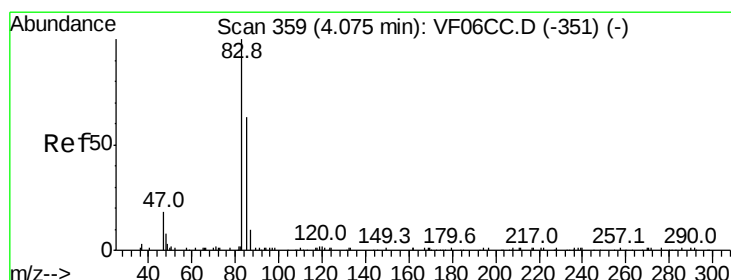
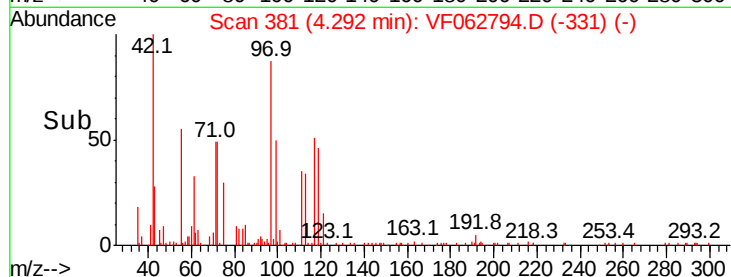
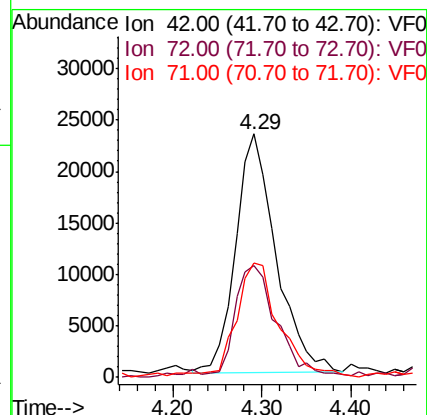
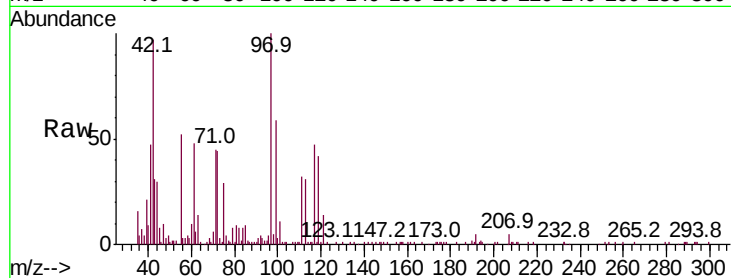




#29
Tetrahydrofuran
Concen: 49.610 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.00 min
Lab File: VF062794.D
Acq: 30 May 2019 14:35

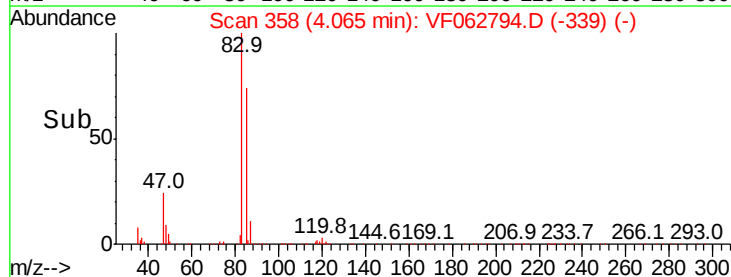
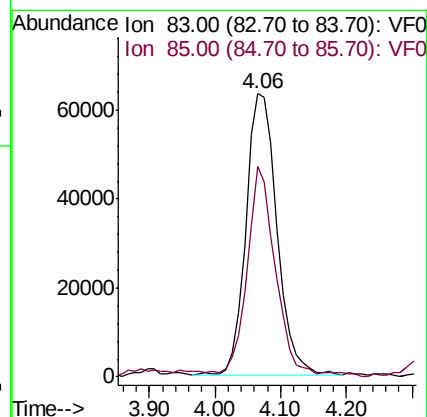
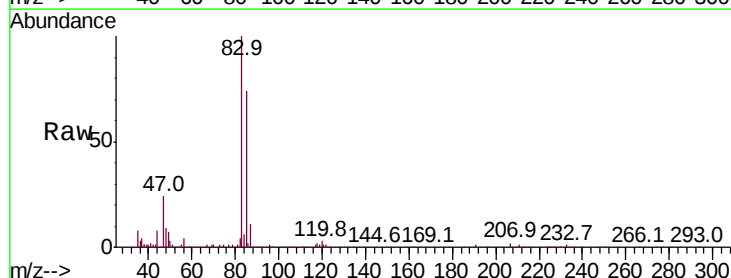
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

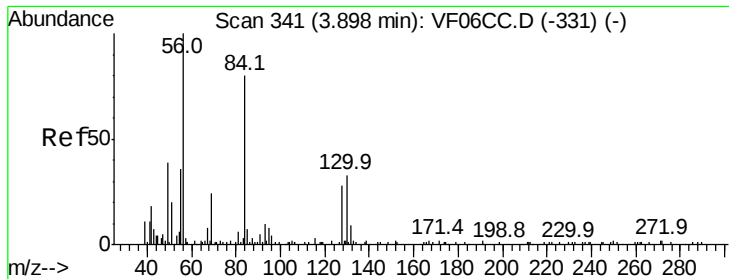
Tot Ion: 42 Resp: 72690
Ion Ratio Lower Upper
42 100
72 47.8 39.0 58.6
71 52.0 36.9 55.3



#30
Chloroform
Concen: 10.065 ug/l
RT: 4.06 min Scan# 358
Delta R.T. -0.01 min
Lab File: VF062794.D
Acq: 30 May 2019 14:35

Tgt Ion: 83 Resp: 208745
Ion Ratio Lower Upper
83 100
85 74.5 55.0 82.6





#31

Cyclohexane

Concen: 10.390 ug/l m

RT: 3.90 min Scan# 341

Delta R.T. -0.00 min

Lab File: VF062794.D

Acq: 30 May 2019 14:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

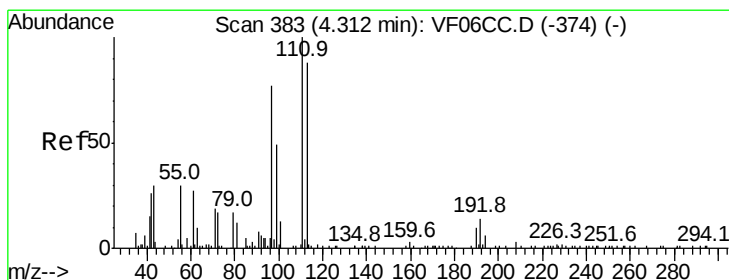
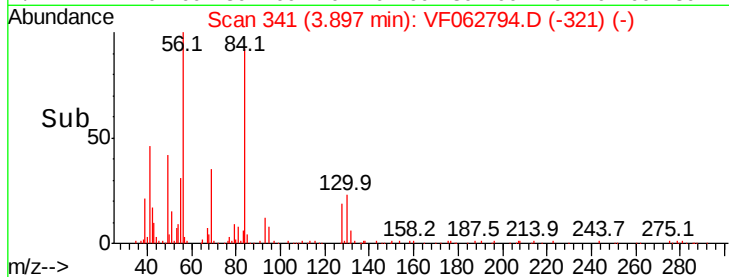
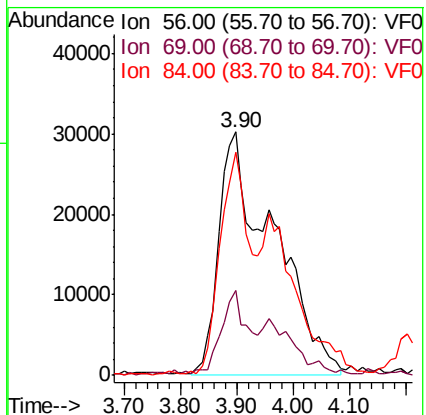
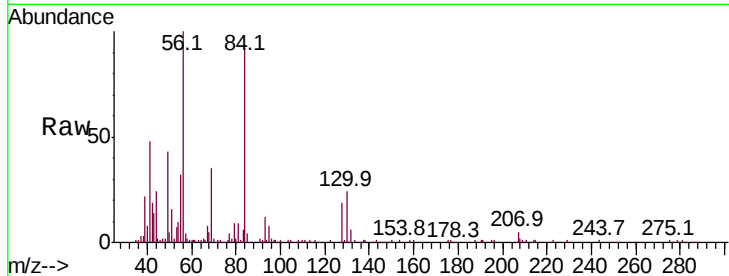
Tot Ion: 56 Resp: 204790

Ion Ratio Lower Upper

56 100

69 34.8 26.7 40.1

84 91.6 74.3 111.5



#32

1,1,1-Trichloroethane

Concen: 10.951 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.01 min

Lab File: VF062794.D

Acq: 30 May 2019 14:35

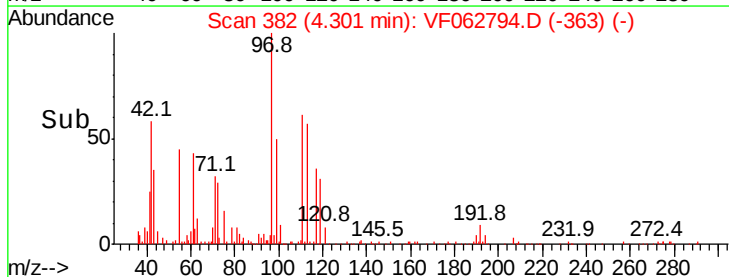
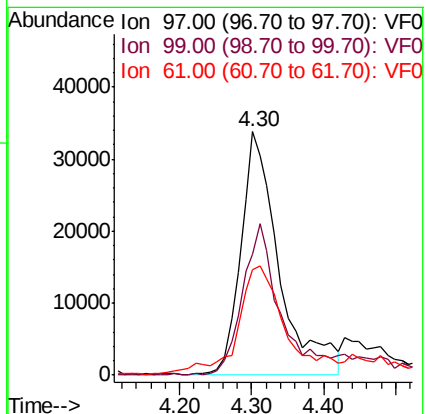
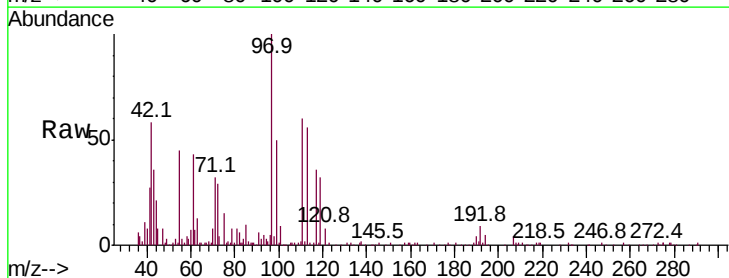
Tgt Ion: 97 Resp: 125580

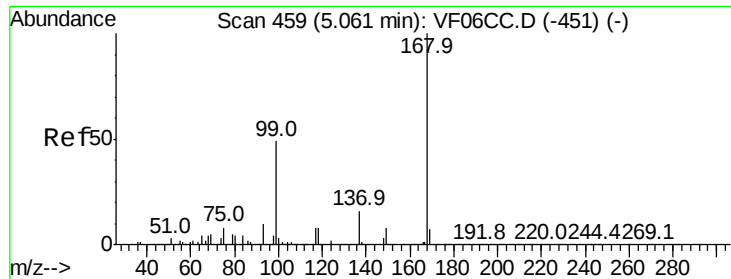
Ion Ratio Lower Upper

97 100

99 49.6 51.7 77.5#

61 43.2 38.9 58.3

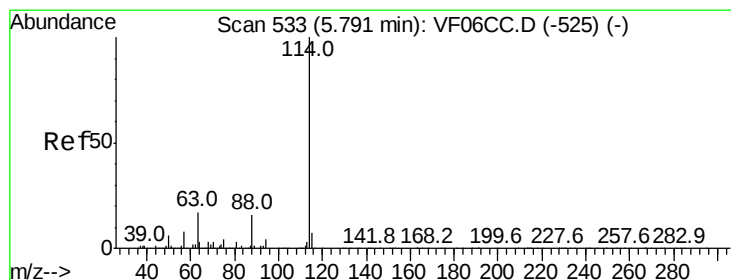
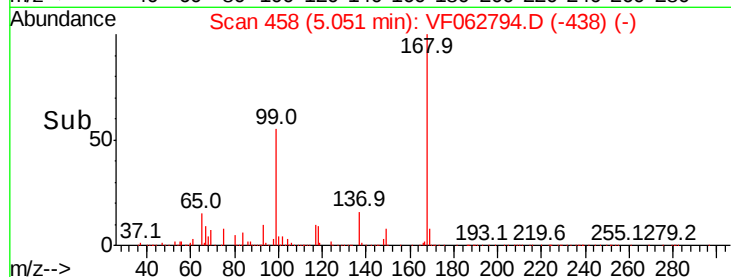
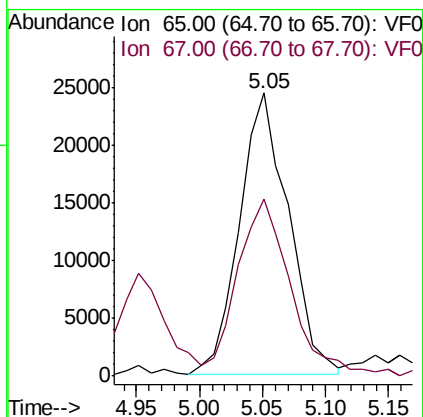
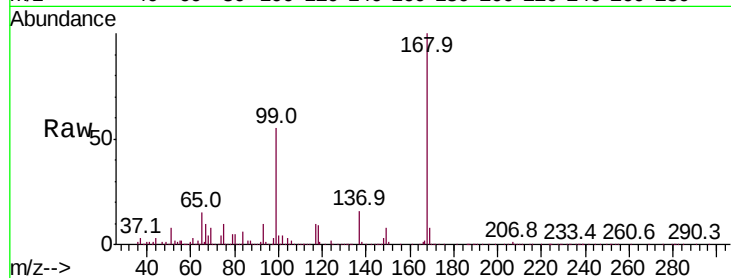




#33
 1,2-Dichloroethane-d4
 Concen: 9.154 ug/l
 RT: 5.05 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: VF062794.D
 Acq: 30 May 2019 14:35

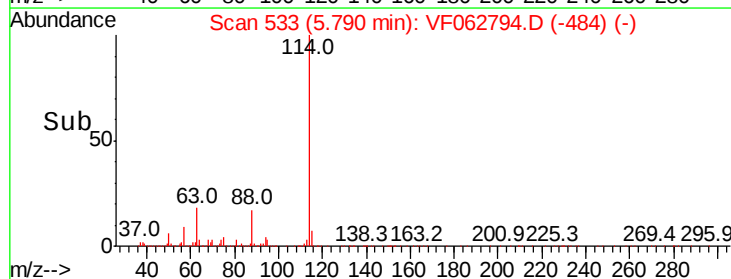
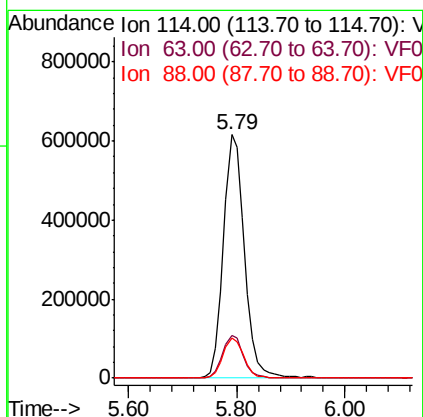
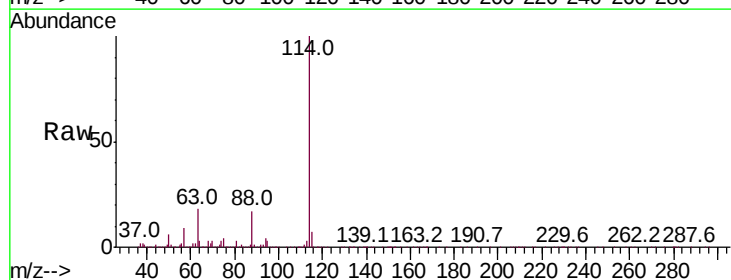
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

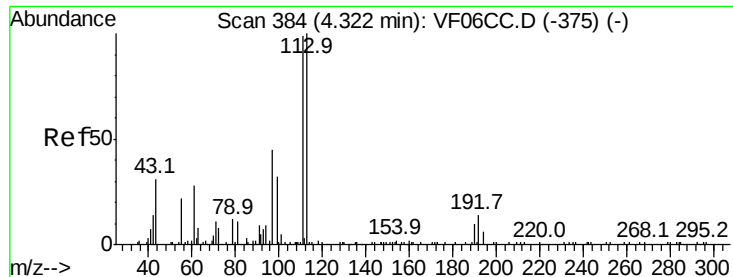
Tot Ion: 65 Resp: 65708
 Ion Ratio Lower Upper
 65 100
 67 62.7 0.0 121.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.79 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VF062794.D
 Acq: 30 May 2019 14:35

Tgt Ion:114 Resp: 1660030
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 34.2
 88 16.6 0.0 31.2

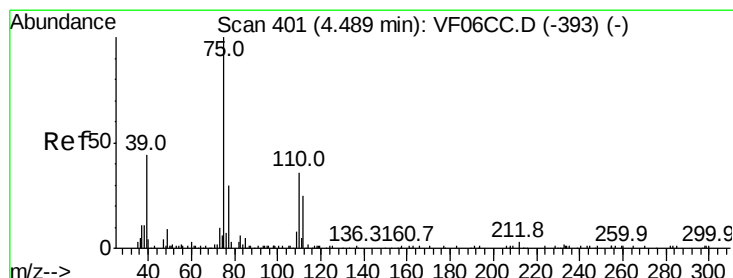
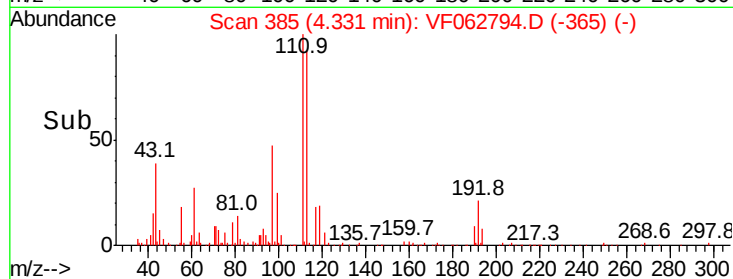
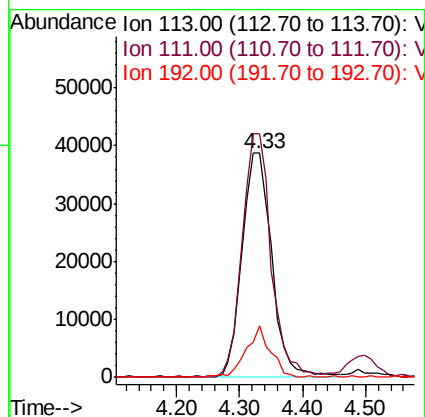
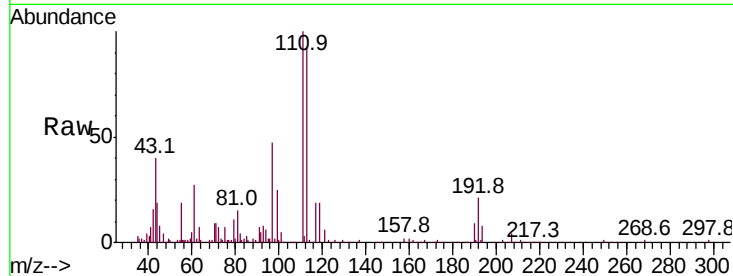




#35
 Dibromofluoromethane
 Concen: 9.875 ug/l
 RT: 4.33 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VF062794.D
 Acq: 30 May 2019 14:35

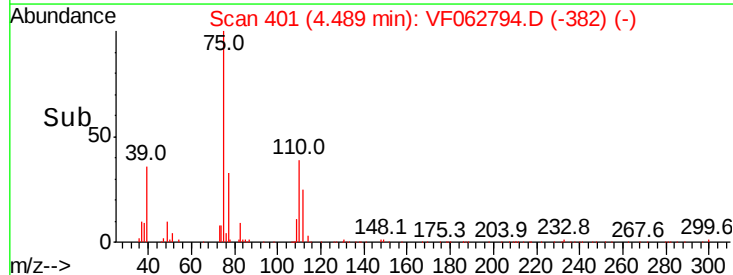
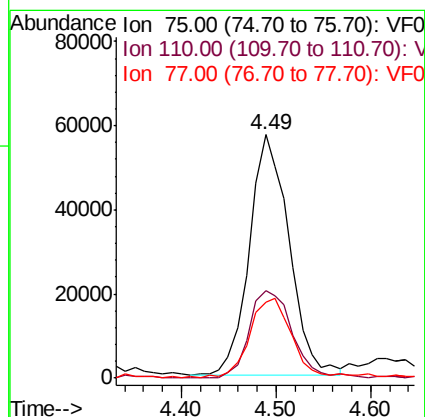
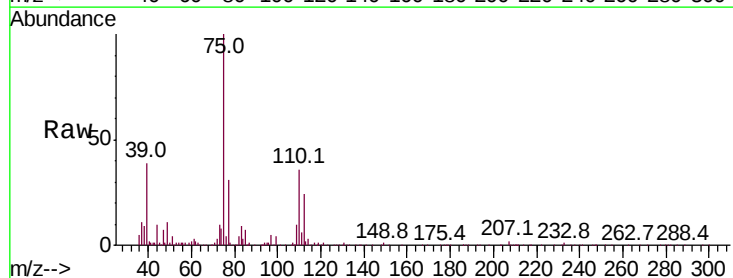
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

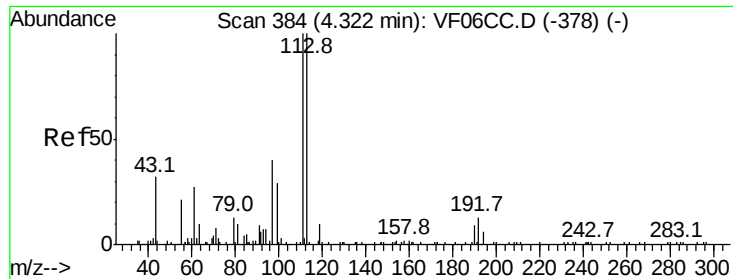
Tot Ion:113 Resp: 127366
 Ion Ratio Lower Upper
 113 100
 111 108.4 81.9 122.9
 192 23.0 15.1 22.7#



#36
 1,1-Dichloropropene
 Concen: 10.257 ug/l
 RT: 4.49 min Scan# 401
 Delta R.T. -0.01 min
 Lab File: VF062794.D
 Acq: 30 May 2019 14:35

Tgt Ion: 75 Resp: 165995
 Ion Ratio Lower Upper
 75 100
 110 36.1 19.4 58.1
 77 31.2 25.4 38.2

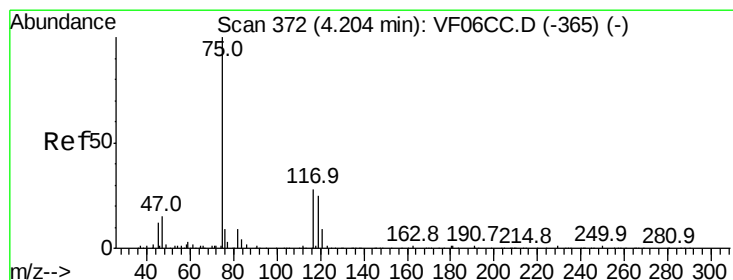
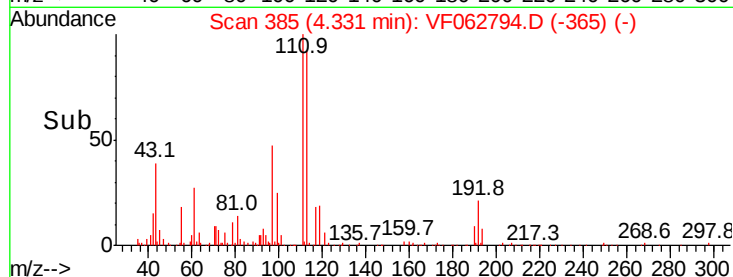
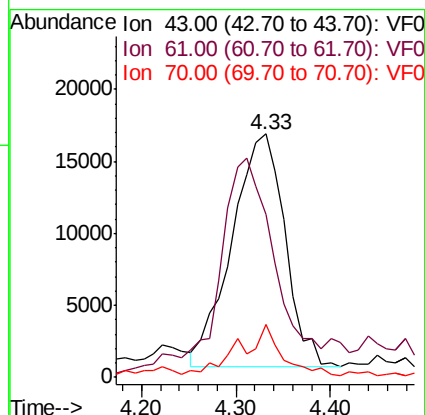
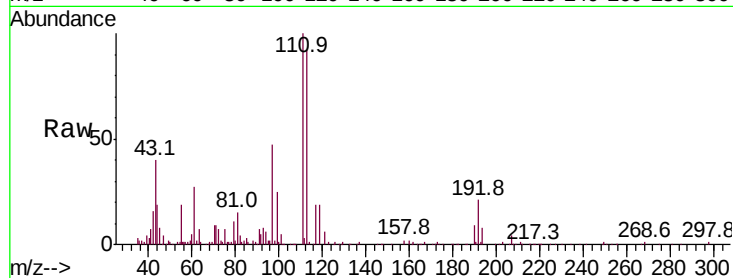




#37
Ethyl Acetate
Concen: 9.614 ug/l
RT: 4.33 min Scan# 385
Delta R.T. -0.00 min
Lab File: VF062794.D
Acq: 30 May 2019 14:35

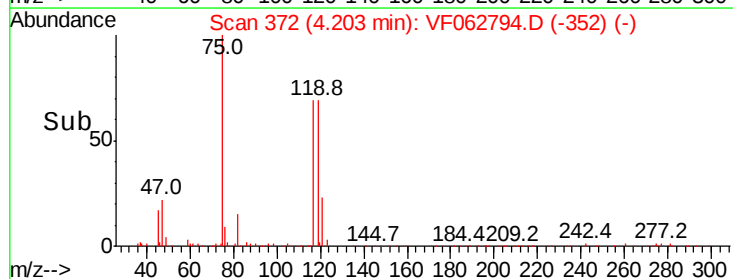
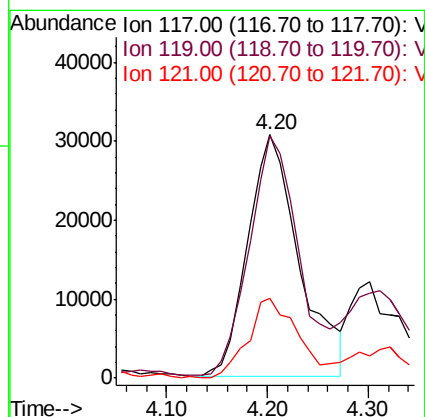
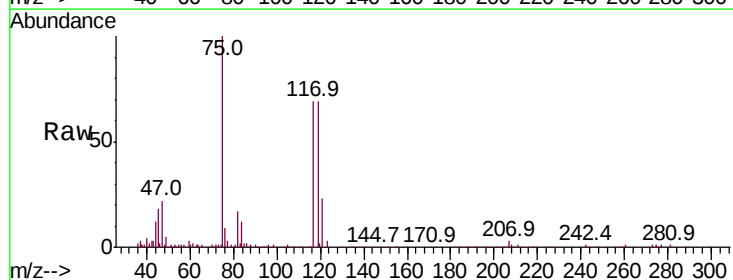
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

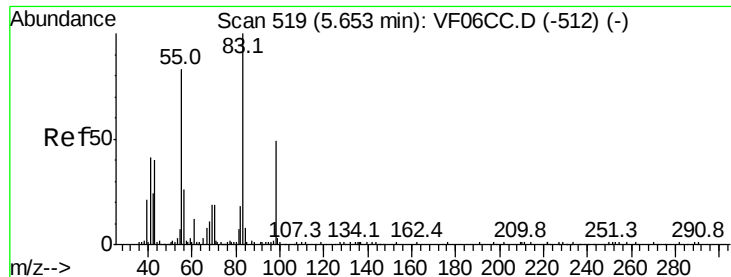
Tot Ion: 43 Resp: 62702
Ion Ratio Lower Upper
43 100
61 66.9 59.1 88.7
70 21.5 10.1 15.1#



#38
Carbon Tetrachloride
Concen: 10.113 ug/l
RT: 4.20 min Scan# 372
Delta R.T. -0.00 min
Lab File: VF062794.D
Acq: 30 May 2019 14:35

Tgt Ion: 117 Resp: 109529
Ion Ratio Lower Upper
117 100
119 99.6 78.2 117.2
121 32.7 28.2 42.2

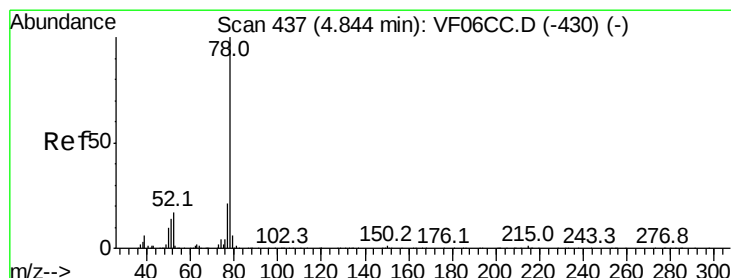
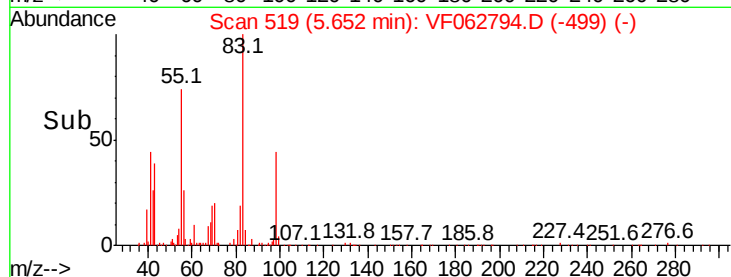
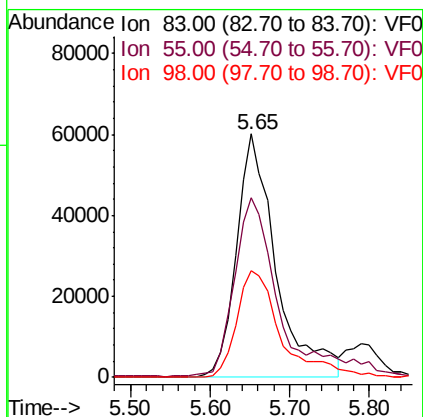
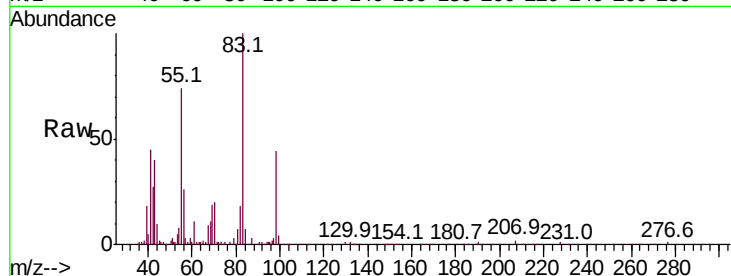




#39
Methvlcvclohexane
Concen: 10.448 ug/l
RT: 5.65 min Scan# 519
Delta R.T. -0.00 min
Lab File: VF062794.D
Acq: 30 May 2019 14:35

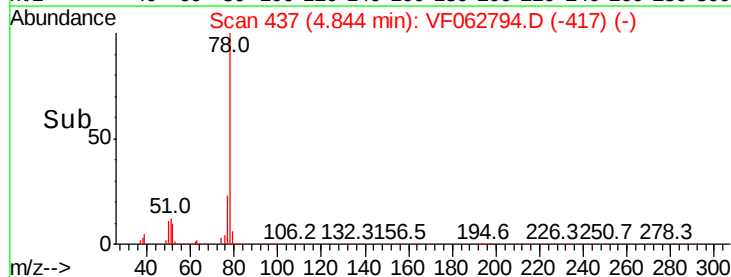
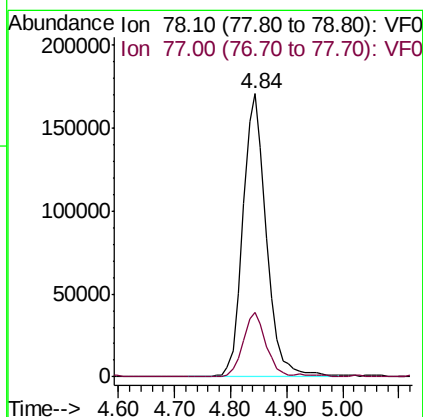
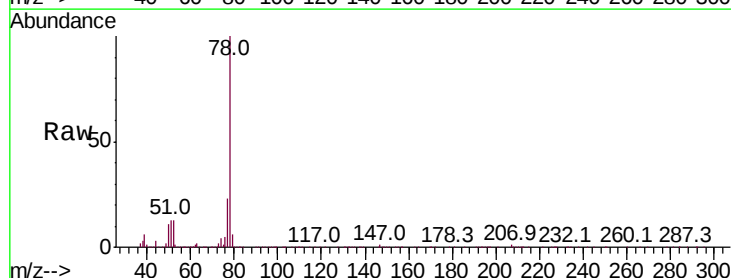
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

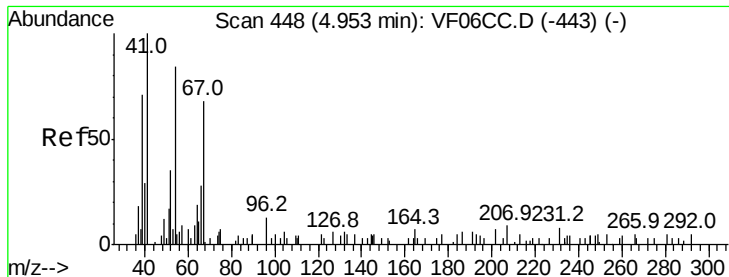
Tot Ion: 83 Resp: 206154
Ion Ratio Lower Upper
83 100
55 73.7 61.6 92.4
98 43.8 37.4 56.2



#40
Benzene
Concen: 10.330 ug/l
RT: 4.84 min Scan# 437
Delta R.T. -0.00 min
Lab File: VF062794.D
Acq: 30 May 2019 14:35

Tgt Ion: 78 Resp: 493215
Ion Ratio Lower Upper
78 100
77 23.0 18.9 28.3

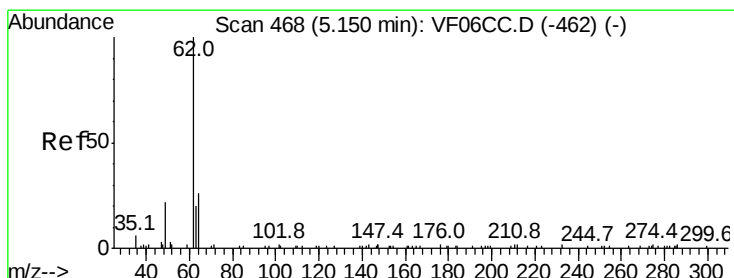
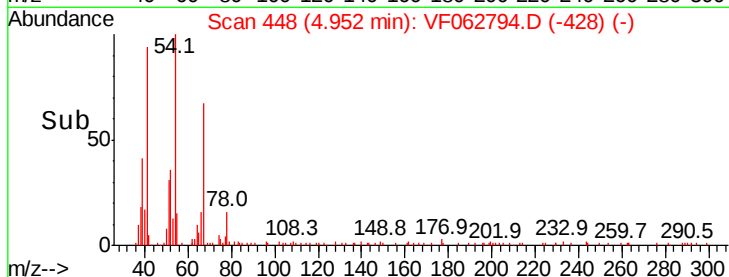
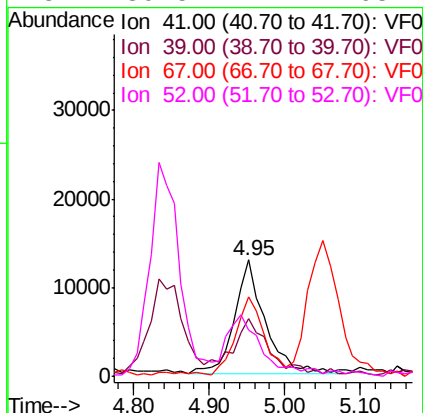
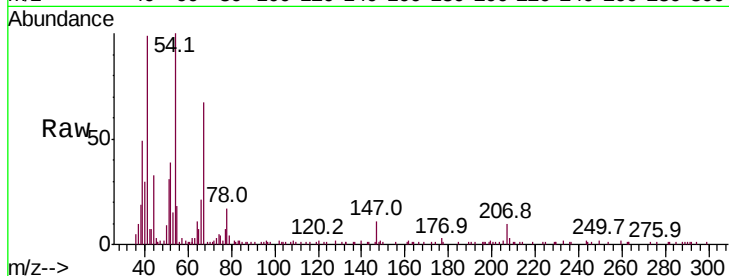




#41
Methacrylonitrile
Concen: 10.166 ug/l
RT: 4.95 min Scan# 448
Delta R.T. -0.00 min
Lab File: VF062794.D
Acq: 30 May 2019 14:35

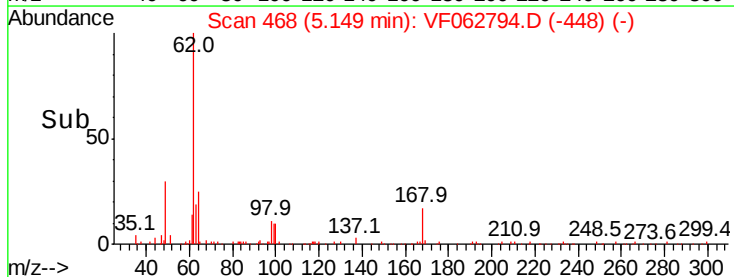
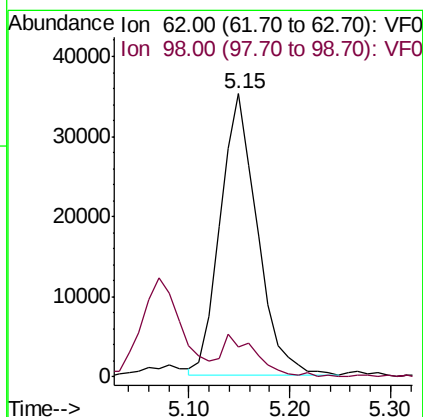
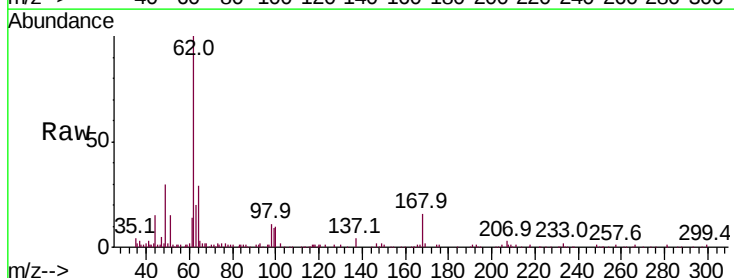
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

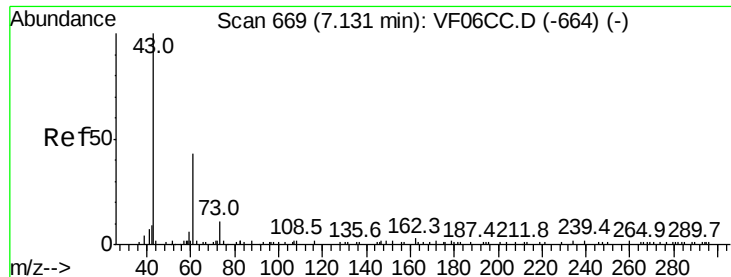
Tot Ion:	41	Resp:	36011
Ion	Ratio	Lower	Upper
41	100		
39	49.5	42.0	63.0
67	67.9	61.4	92.0
52	39.5	42.1	63.1#



#42
1,2-Dichloroethane
Concen: 10.113 ug/l
RT: 5.15 min Scan# 468
Delta R.T. -0.00 min
Lab File: VF062794.D
Acq: 30 May 2019 14:35

Tgt Ion:	62	Resp:	89743
Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	24.0





#43

Isopropyl Acetate

Concen: 9.379 ug/l

RT: 7.13 min Scan# 669

Delta R.T. -0.00 min

Lab File: VF062794.D

Acq: 30 May 2019 14:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

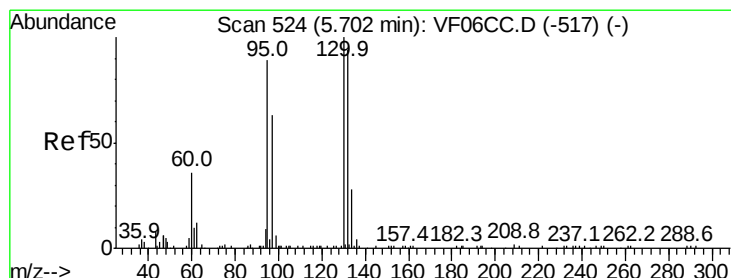
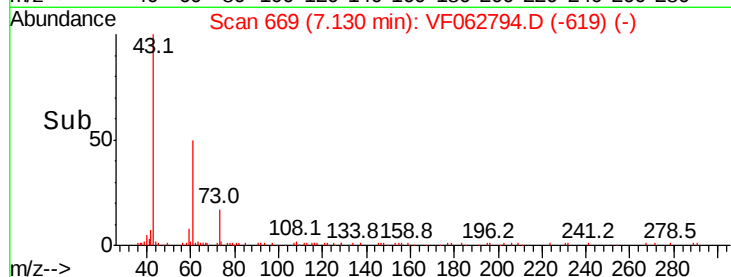
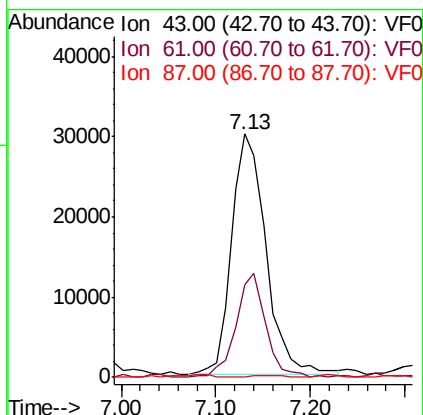
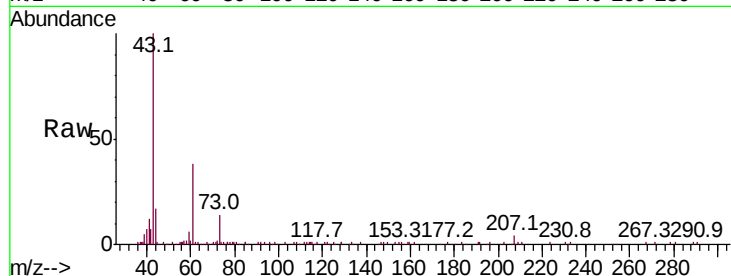
Tot Ion: 43 Resp: 75815

Ion Ratio Lower Upper

43 100

61 38.2 29.8 44.6

87 0.0 0.3 0.5#



#44

Trichloroethene

Concen: 10.345 ug/l

RT: 5.70 min Scan# 524

Delta R.T. -0.00 min

Lab File: VF062794.D

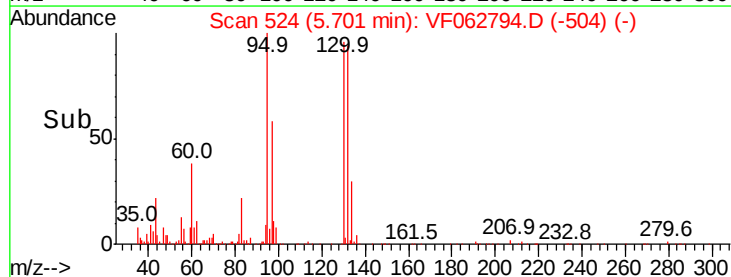
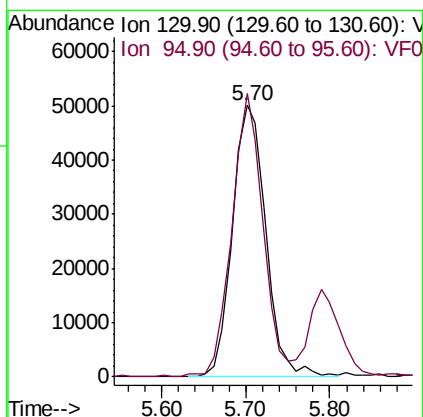
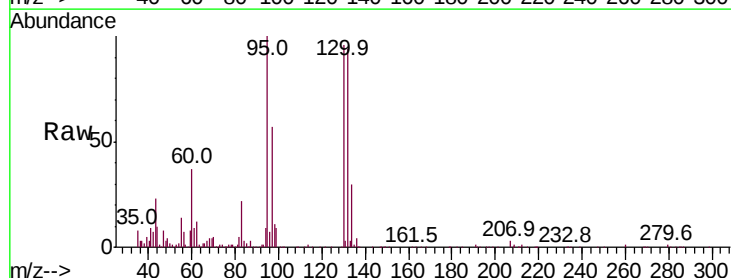
Acq: 30 May 2019 14:35

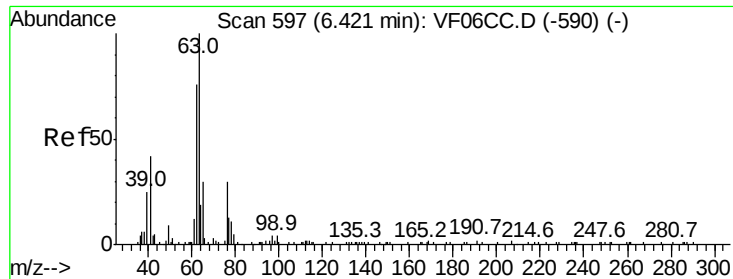
Tgt Ion:130 Resp: 138385

Ion Ratio Lower Upper

130 100

95 104.3 0.0 188.2





#45

1,2-Dichloropropane

Concen: 10.433 ug/l

RT: 6.43 min Scan# 598

Delta R.T. -0.00 min

Lab File: VF062794.D

Acq: 30 May 2019 14:35

Instrument :

MSVOA_F

ClientSampleId :

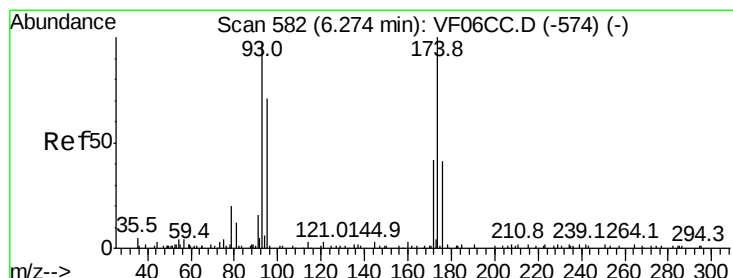
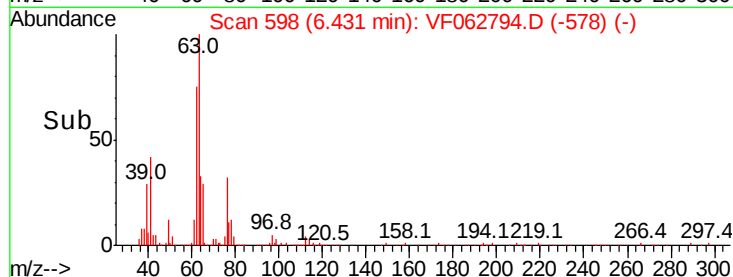
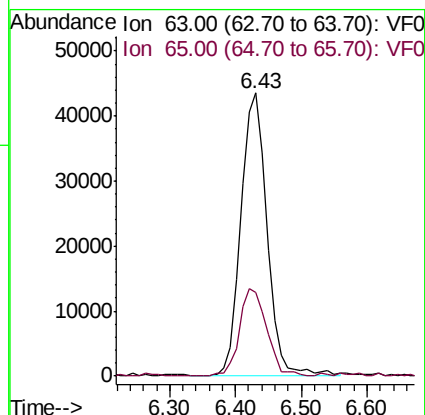
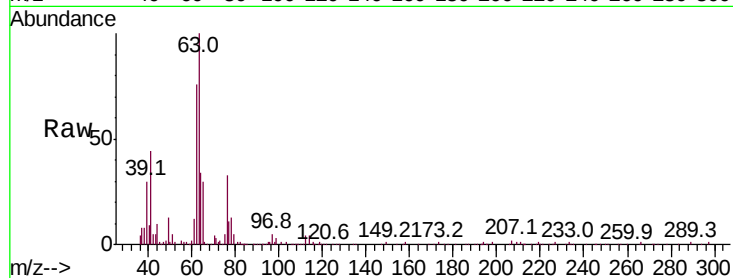
VSTDIC010

Tot Ion: 63 Resp: 122661

Ion Ratio Lower Upper

63 100

65 29.6 24.2 36.2



#46

Dibromomethane

Concen: 9.896 ug/l

RT: 6.28 min Scan# 583

Delta R.T. -0.00 min

Lab File: VF062794.D

Acq: 30 May 2019 14:35

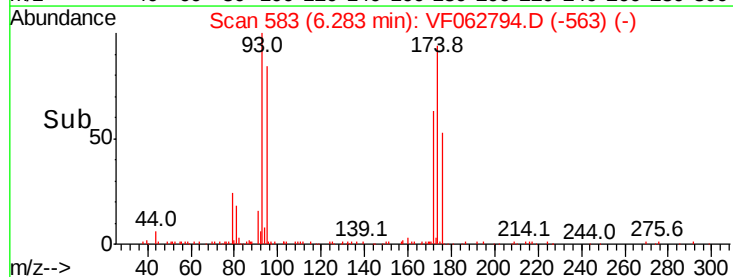
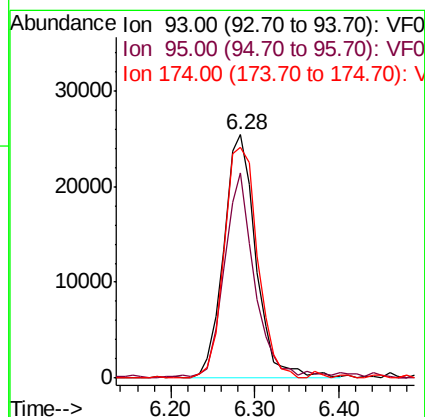
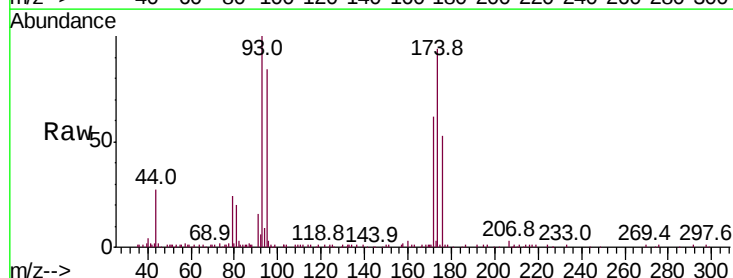
Tgt Ion: 93 Resp: 67633

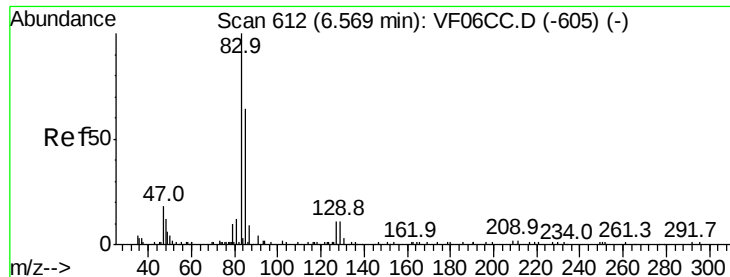
Ion Ratio Lower Upper

93 100

95 84.3 67.9 101.9

174 94.8 85.0 127.4





#47

Bromodichloromethane

Concen: 9.780 ug/l

RT: 6.57 min Scan# 612

Delta R.T. -0.01 min

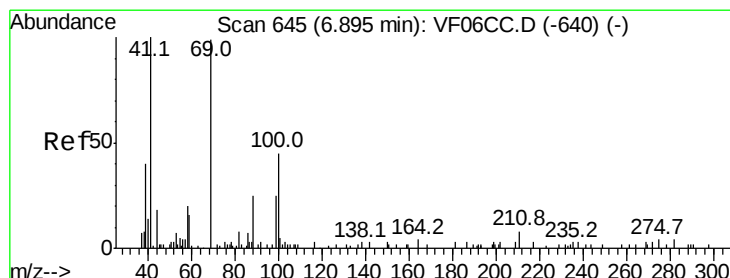
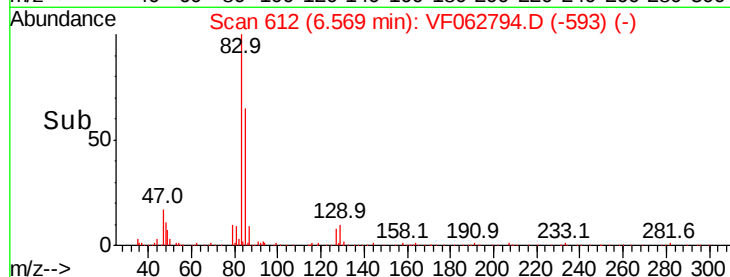
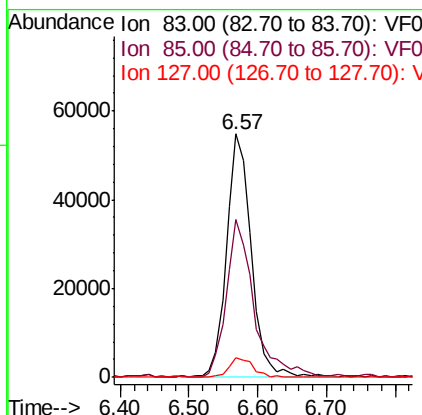
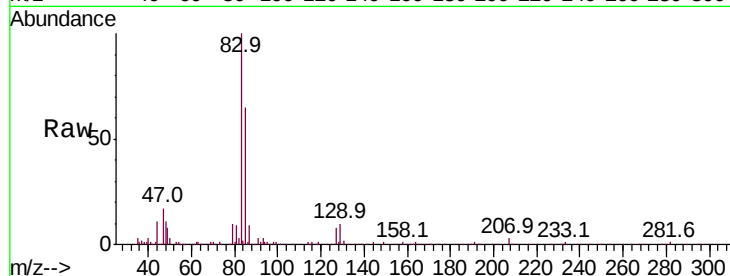
Lab File: VF062794.D

Acq: 30 May 2019 14:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion: 83 Resp: 136163

Ion	Ratio	Lower	Upper
83	100		
85	64.9	54.2	81.4
127	8.0	7.0	10.4



#48

Methyl methacrylate

Concen: 9.298 ug/l

RT: 6.89 min Scan# 645

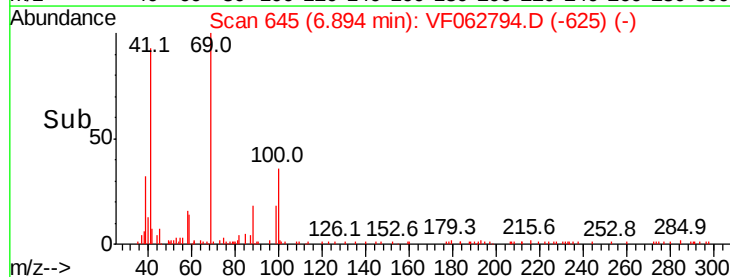
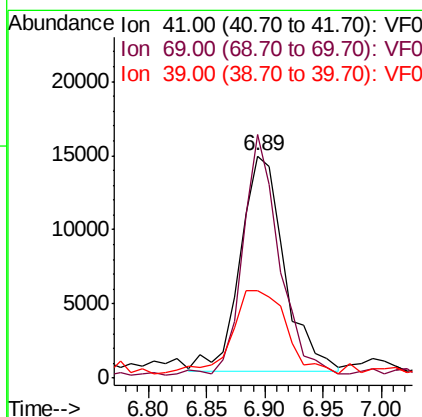
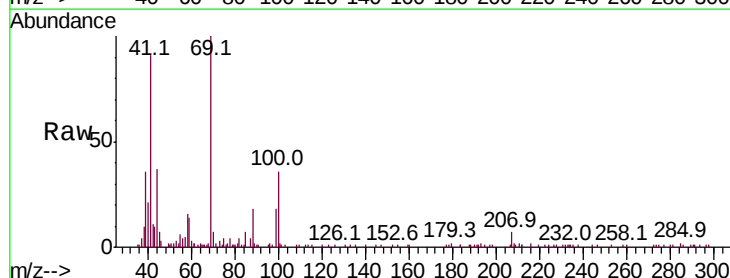
Delta R.T. -0.00 min

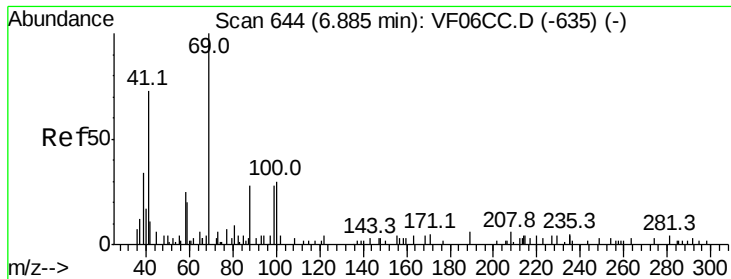
Lab File: VF062794.D

Acq: 30 May 2019 14:35

Tgt Ion: 41 Resp: 38314

Ion	Ratio	Lower	Upper
41	100		
69	109.7	79.4	119.2
39	39.2	39.8	59.6#

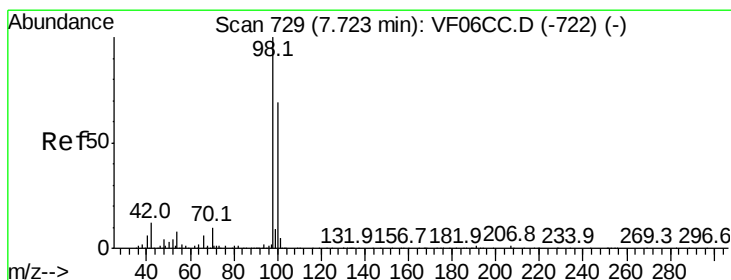
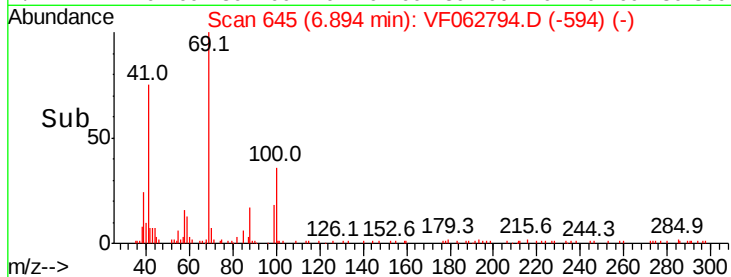
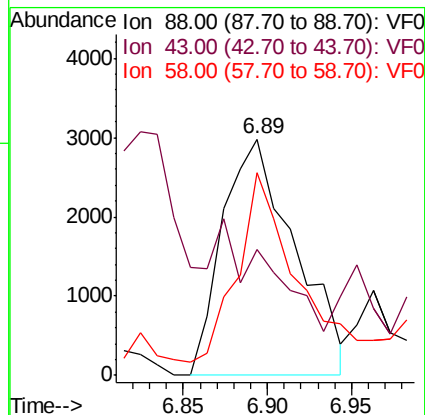
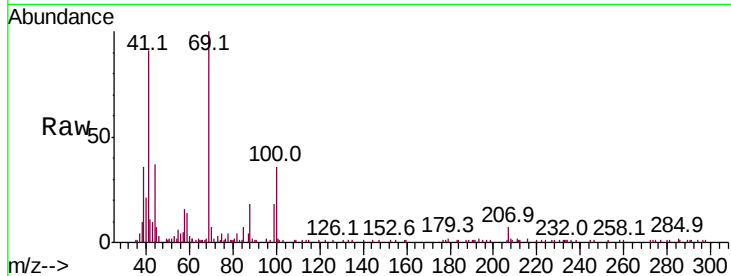




#49
1,4-Dioxane
Concen: 179.673 ug/l
RT: 6.89 min Scan# 645
Delta R.T. 0.01 min
Lab File: VF062794.D
Acq: 30 May 2019 14:35

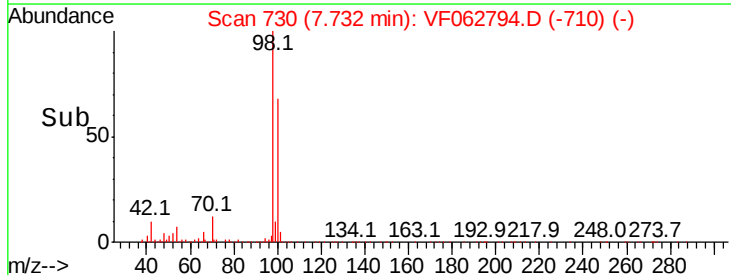
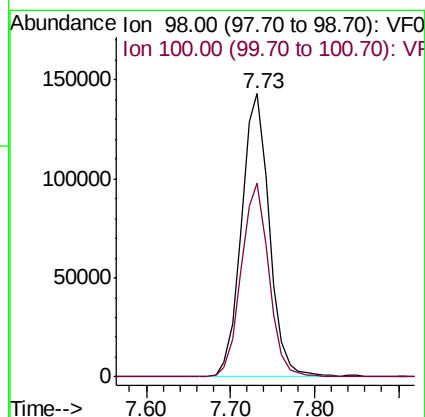
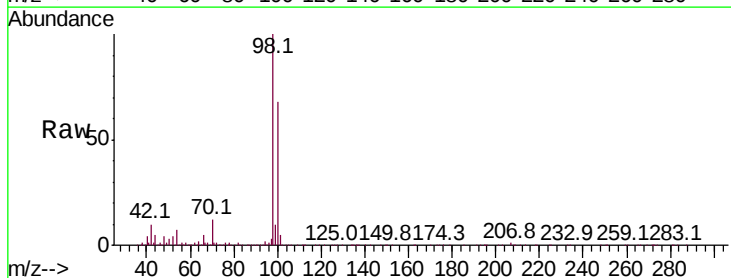
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

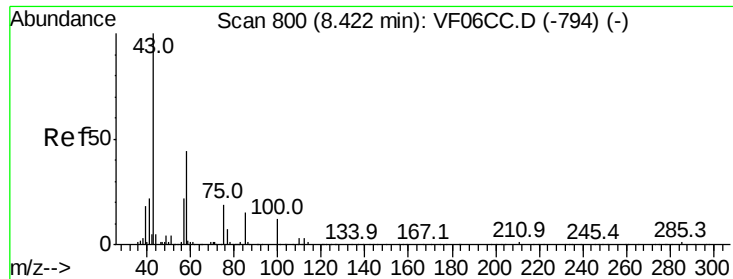
Tot Ion: 88 Resp: 8930
Ion Ratio Lower Upper
88 100
43 53.3 34.8 52.2#
58 85.8 59.9 89.9



#50
Toluene-d8
Concen: 9.866 ug/l
RT: 7.73 min Scan# 730
Delta R.T. -0.00 min
Lab File: VF062794.D
Acq: 30 May 2019 14:35

Tgt Ion: 98 Resp: 330216
Ion Ratio Lower Upper
98 100
100 68.4 59.8 89.8





#51

4-Methyl-2-Pentanone

Concen: 49.812 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.00 min

Lab File: VF062794.D

Acq: 30 May 2019 14:35

Instrument :

MSVOA_F

ClientSampleId :

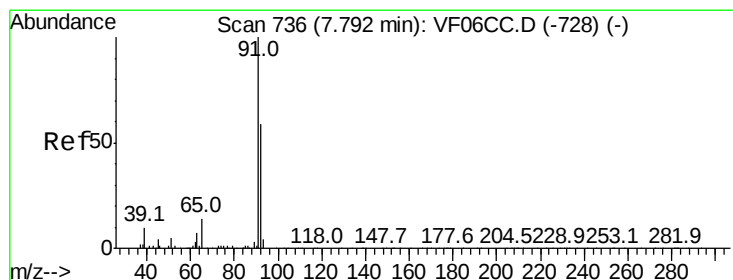
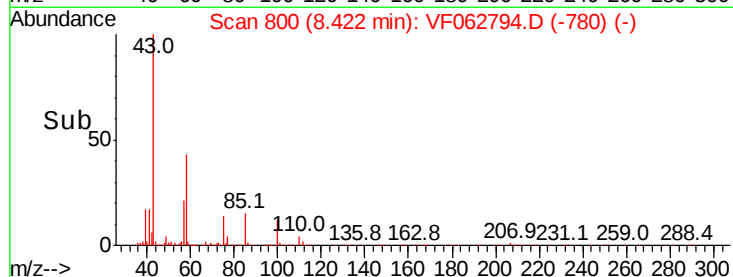
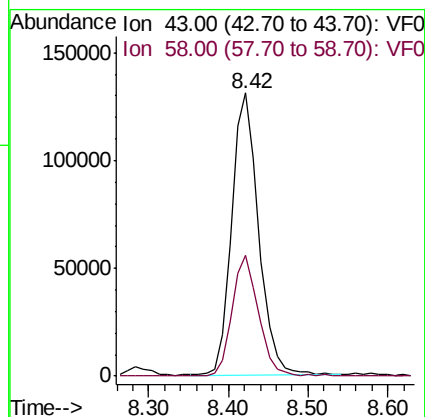
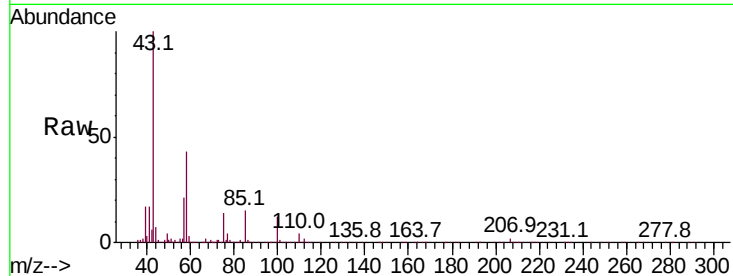
VSTDIC010

Tot Ion: 43 Resp: 309720

Ion Ratio Lower Upper

43 100

58 42.8 35.5 53.3



#52

Toluene

Concen: 10.250 ug/l

RT: 7.80 min Scan# 737

Delta R.T. -0.00 min

Lab File: VF062794.D

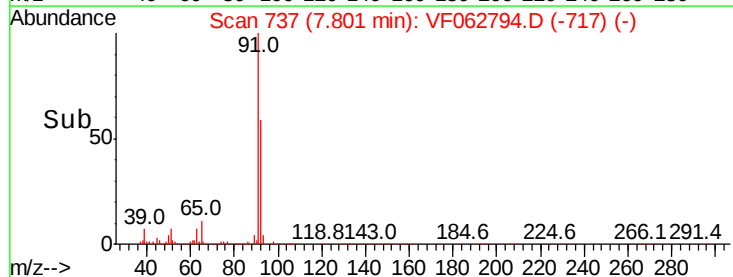
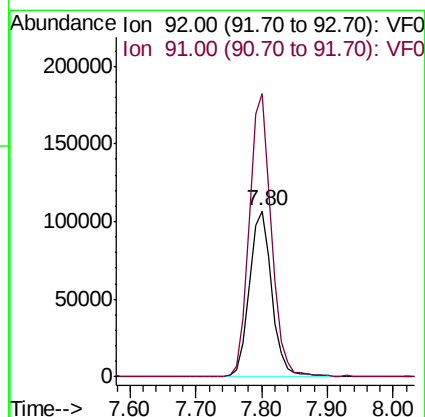
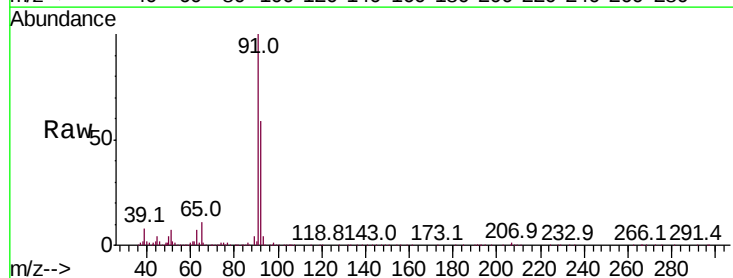
Acq: 30 May 2019 14:35

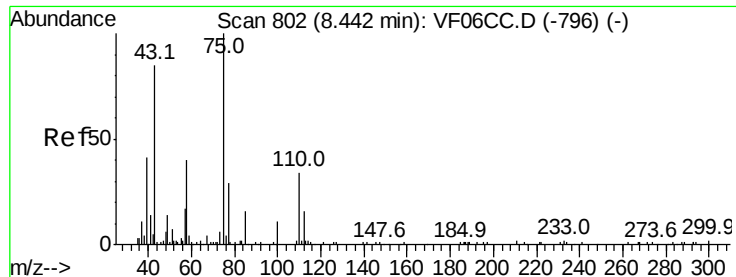
Tgt Ion: 92 Resp: 256134

Ion Ratio Lower Upper

92 100

91 170.8 123.2 184.8





#53

t-1,3-Dichloropropene

Concen: 10.125 ug/l

RT: 8.44 min Scan# 802

Delta R.T. -0.00 min

Lab File: VF062794.D

Acq: 30 May 2019 14:35

Instrument :

MSVOA_F

ClientSampleId :

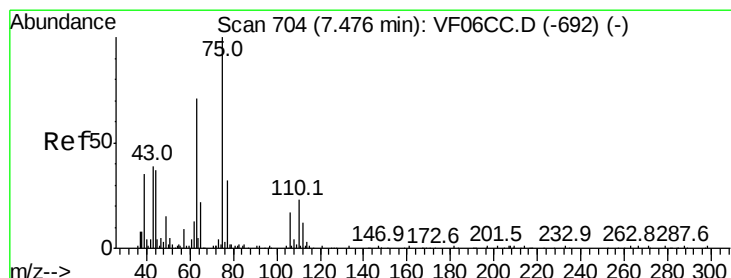
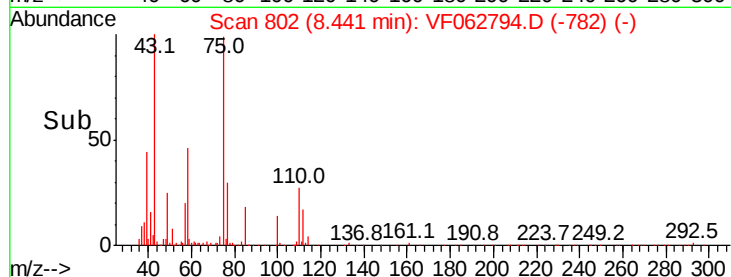
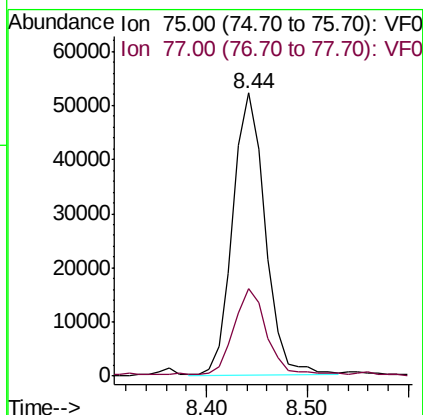
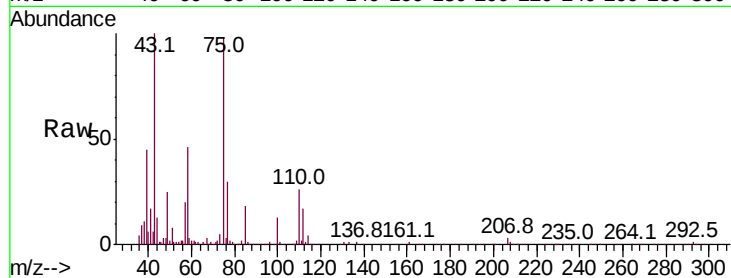
VSTDIC010

Tot Ion: 75 Resp: 116702

Ion Ratio Lower Upper

75 100

77 30.7 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 9.703 ug/l

RT: 7.48 min Scan# 704

Delta R.T. -0.00 min

Lab File: VF062794.D

Acq: 30 May 2019 14:35

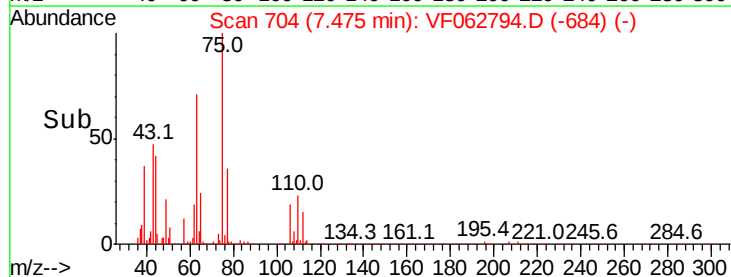
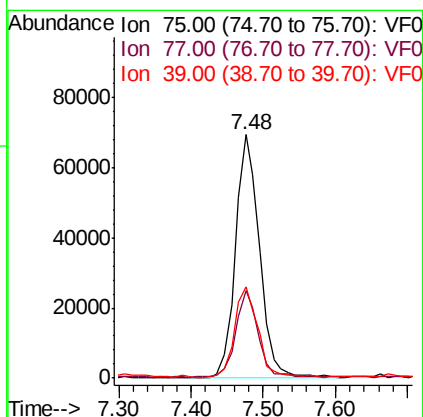
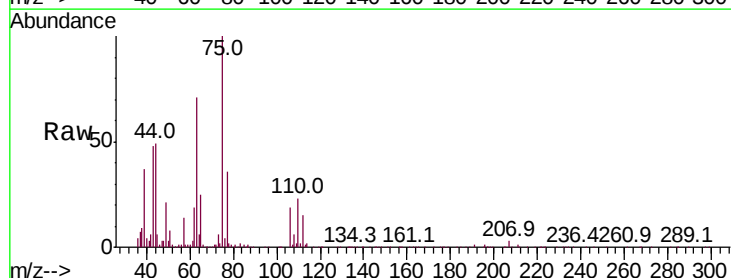
Tgt Ion: 75 Resp: 161872

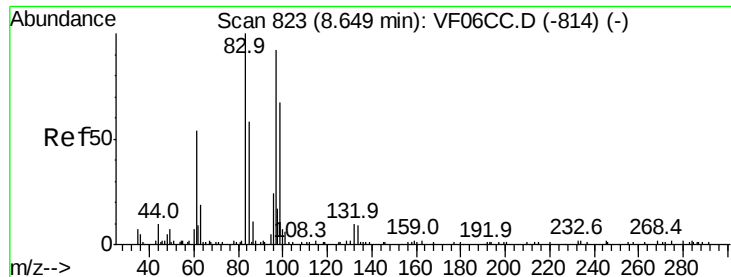
Ion Ratio Lower Upper

75 100

77 35.9 25.8 38.8

39 37.5 28.4 42.6





#55

1,1,2-Trichloroethane

Concen: 10.041 ug/l

RT: 8.66 min Scan# 824

Delta R.T. 0.01 min

Lab File: VF062794.D

Acq: 30 May 2019 14:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 97 Resp: 76809

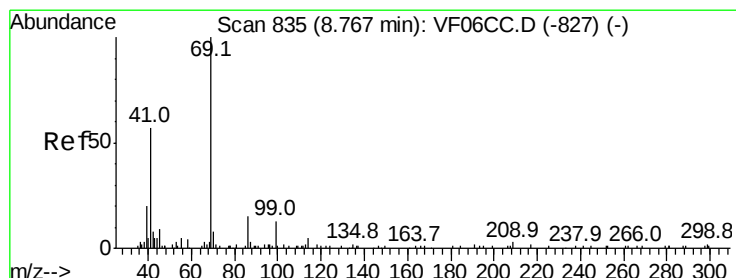
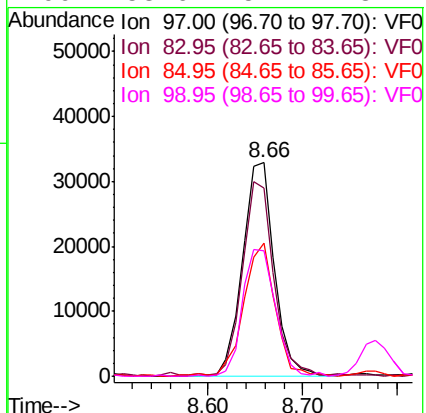
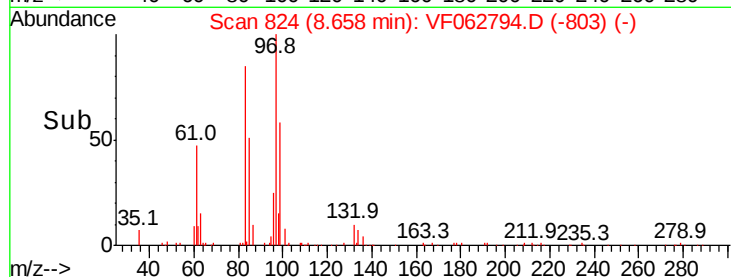
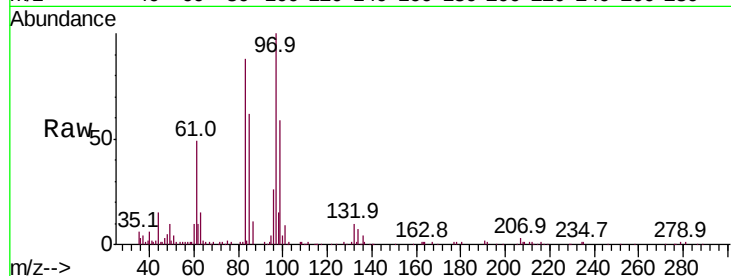
Ion	Ratio	Lower	Upper
97	100		
83	88.3	72.0	108.0
85	62.5	47.5	71.3
99	58.6	54.1	81.1

97 100

83 88.3 72.0 108.0

85 62.5 47.5 71.3

99 58.6 54.1 81.1



#56

Ethyl methacrylate

Concen: 9.358 ug/l

RT: 8.78 min Scan# 836

Delta R.T. -0.00 min

Lab File: VF062794.D

Acq: 30 May 2019 14:35

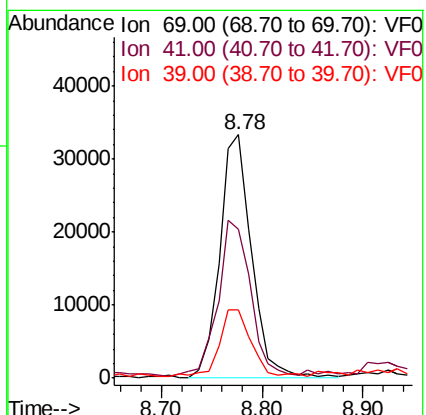
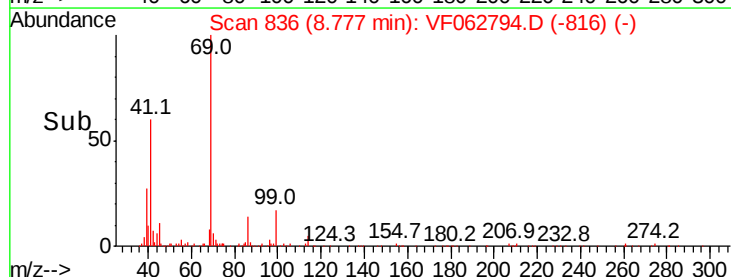
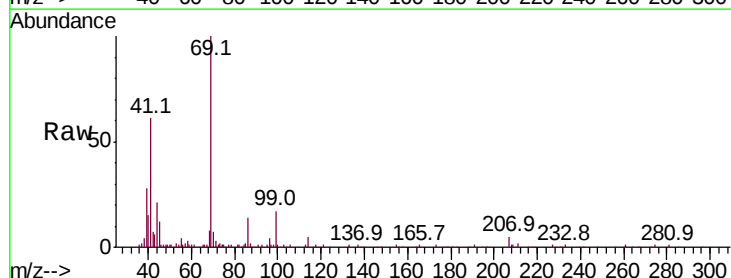
Tgt Ion: 69 Resp: 73434

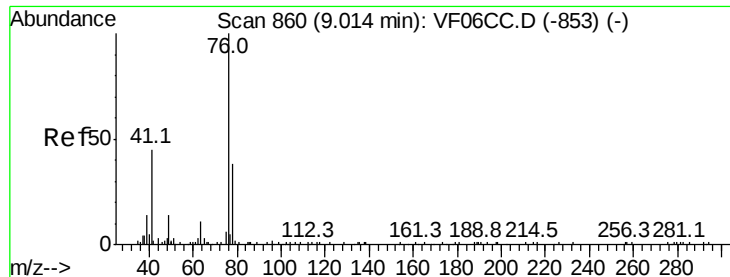
Ion	Ratio	Lower	Upper
69	100		
41	61.4	46.6	69.8
39	28.0	19.6	29.4

69 100

41 61.4 46.6 69.8

39 28.0 19.6 29.4





#57

1,3-Dichloropropane

Concen: 9.219 ug/l

RT: 9.01 min Scan# 860

Delta R.T. -0.00 min

Lab File: VF062794.D

Acq: 30 May 2019 14:35

Instrument :

MSVOA_F

ClientSampleId :

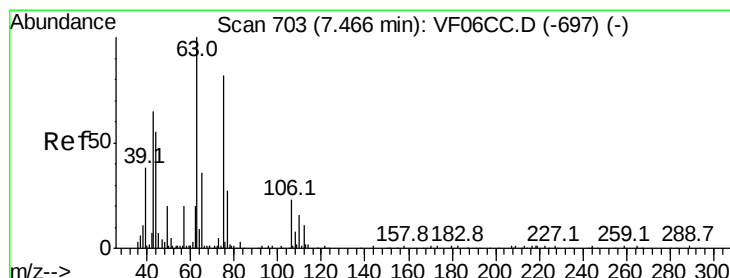
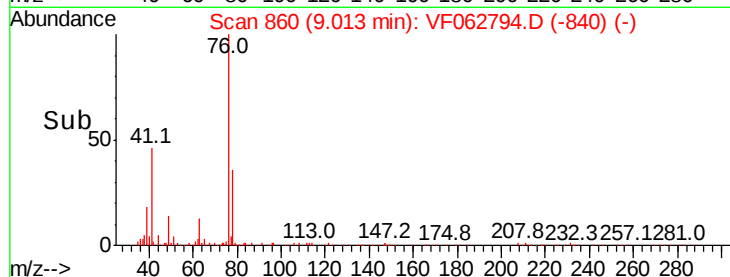
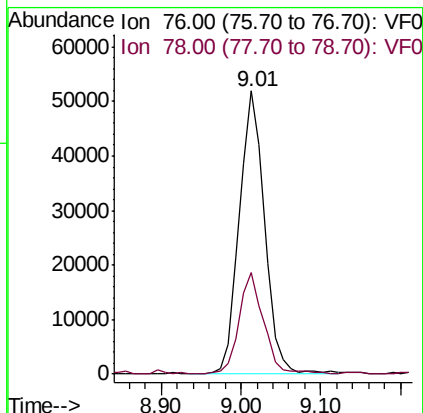
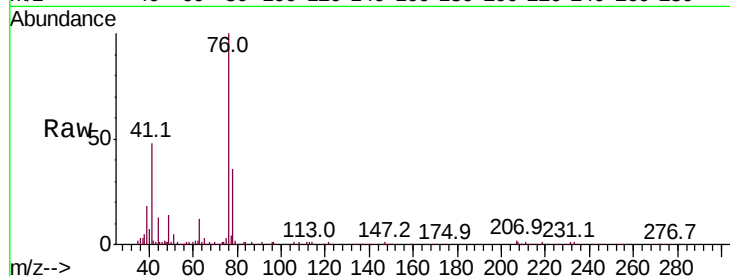
VSTDIC010

Tot Ion: 76 Resp: 114740

Ion Ratio Lower Upper

76 100

78 35.9 26.8 40.2



#58

2-Chloroethyl Vinyl ether

Concen: 49.085 ug/l

RT: 7.47 min Scan# 703

Delta R.T. -0.00 min

Lab File: VF062794.D

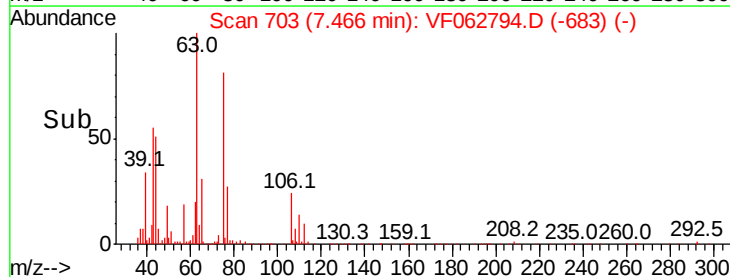
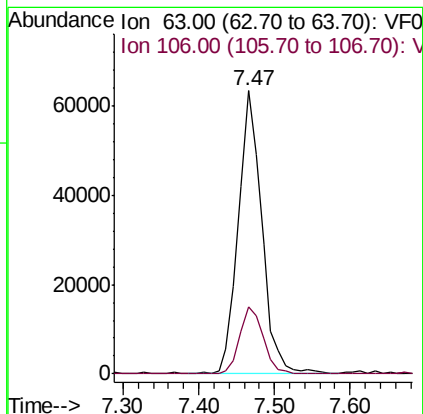
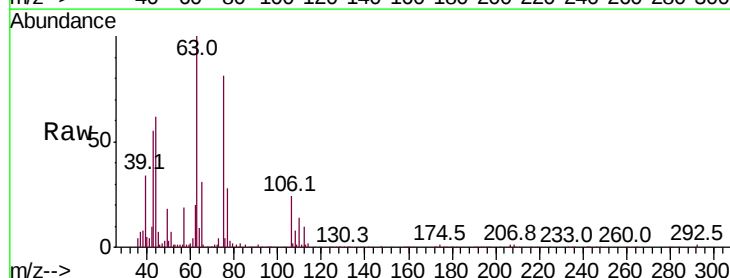
Acq: 30 May 2019 14:35

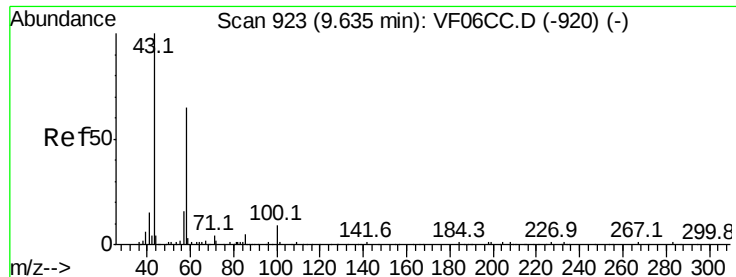
Tgt Ion: 63 Resp: 136411

Ion Ratio Lower Upper

63 100

106 23.8 19.5 29.3

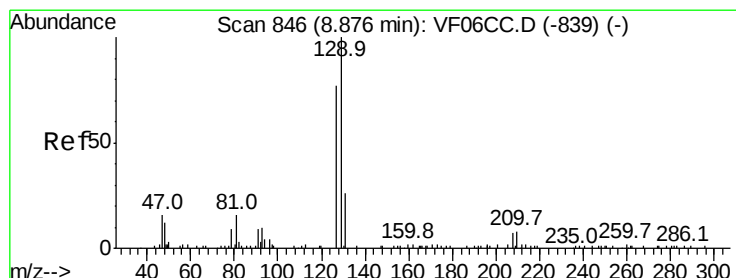
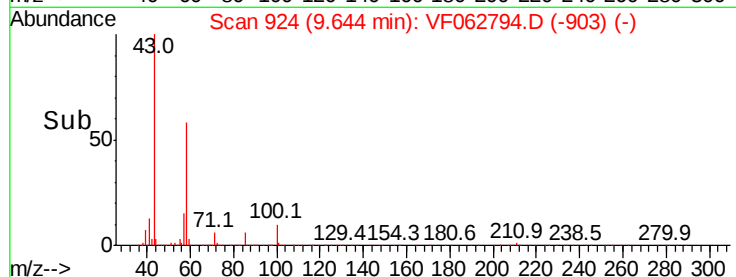
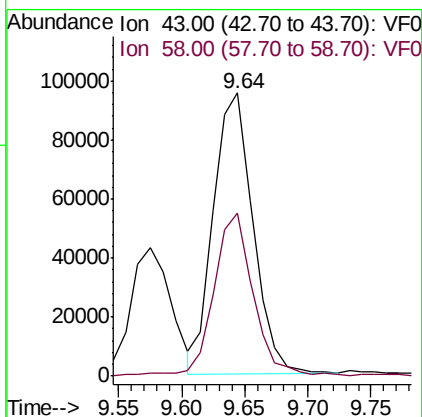
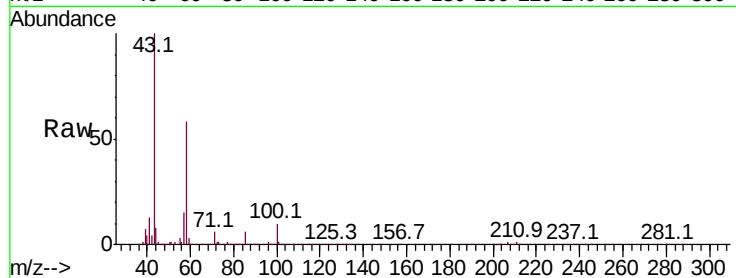




#59
2-Hexanone
Concen: 47.645 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.01 min
Lab File: VF062794.D
Acq: 30 May 2019 14:35

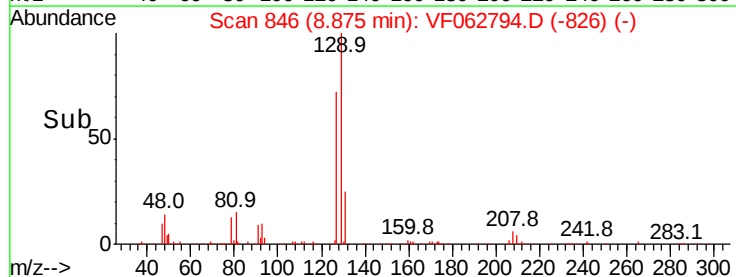
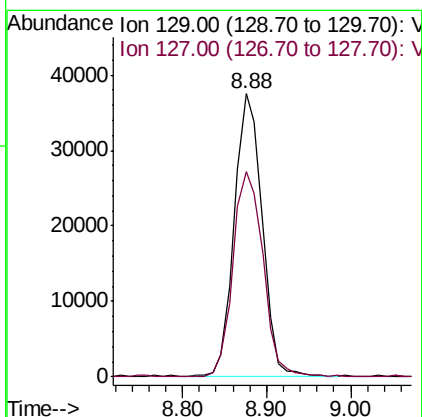
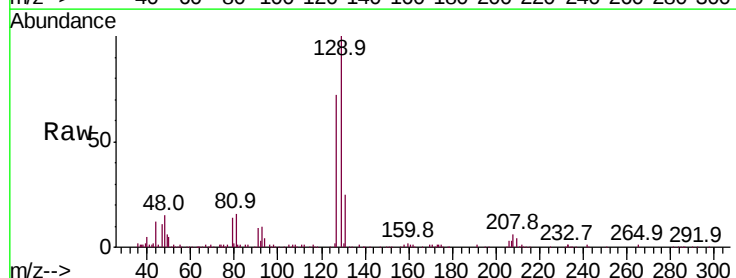
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

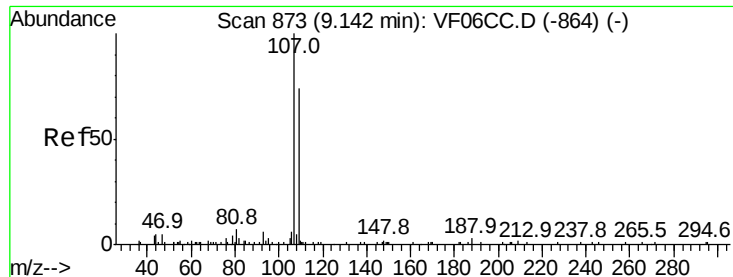
Tot Ion: 43 Resp: 207275
Ion Ratio Lower Upper
43 100
58 57.8 29.3 87.9



#60
Dibromochloromethane
Concen: 9.395 ug/l
RT: 8.88 min Scan# 846
Delta R.T. -0.00 min
Lab File: VF062794.D
Acq: 30 May 2019 14:35

Tgt Ion: 129 Resp: 86695
Ion Ratio Lower Upper
129 100
127 72.4 37.1 111.3





#61

1,2-Dibromoethane

Concen: 9.308 ug/l

RT: 9.15 min Scan# 874

Delta R.T. -0.00 min

Lab File: VF062794.D

Acq: 30 May 2019 14:35

Instrument :

MSVOA_F

ClientSampleId :

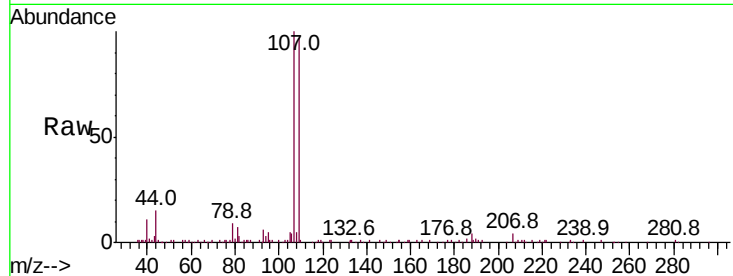
VSTDIC010

Tot Ion:107 Resp: 70322

Ion Ratio Lower Upper

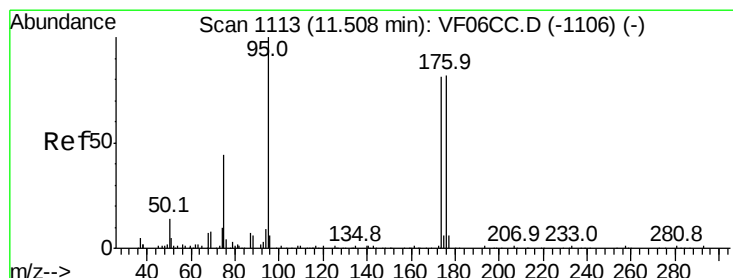
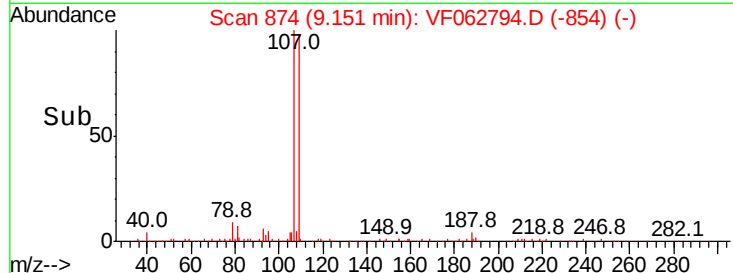
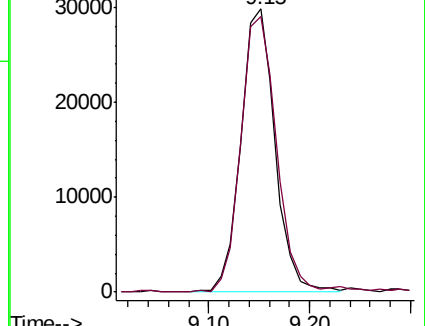
107 100

109 97.2 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: 9.132 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF062794.D

Acq: 30 May 2019 14:35

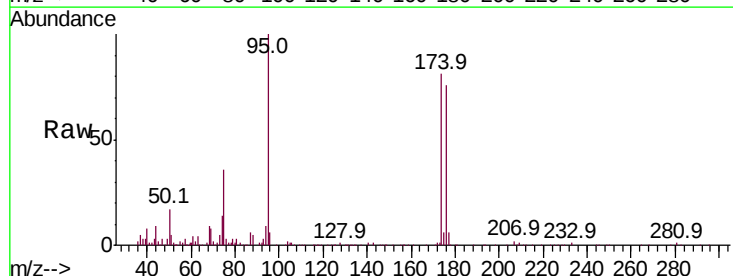
Tgt Ion: 95 Resp: 104546

Ion Ratio Lower Upper

95 100

174 81.2 0.0 170.6

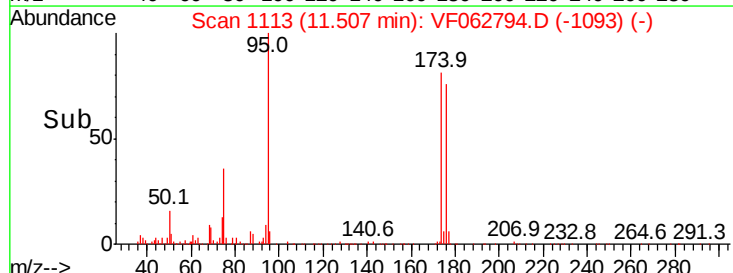
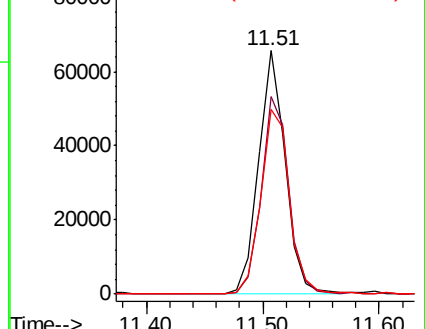
176 75.7 0.0 170.6

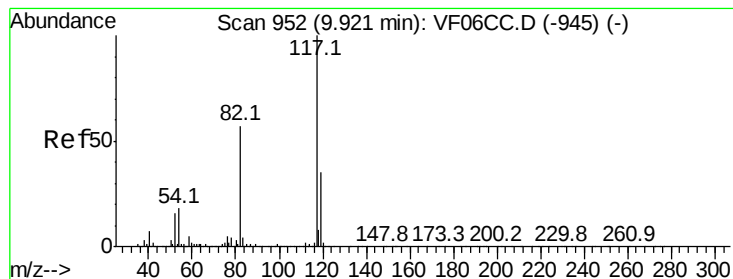


Abundance Ion 95.00 (94.70 to 95.70): VF0

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: 9.93 min Scan# 953

Delta R.T. -0.00 min

Lab File: VF062794.D

Acq: 30 May 2019 14:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

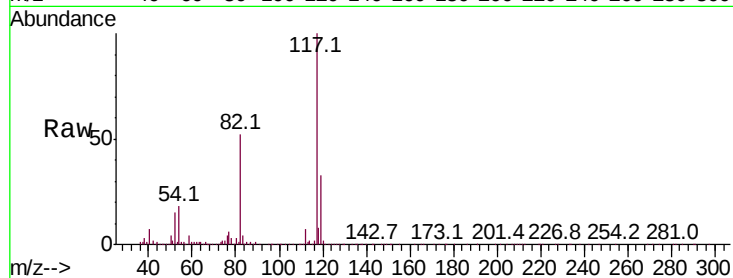
Tot Ion:117 Resp: 1137133

Ion Ratio Lower Upper

117 100

82 51.8 42.4 63.6

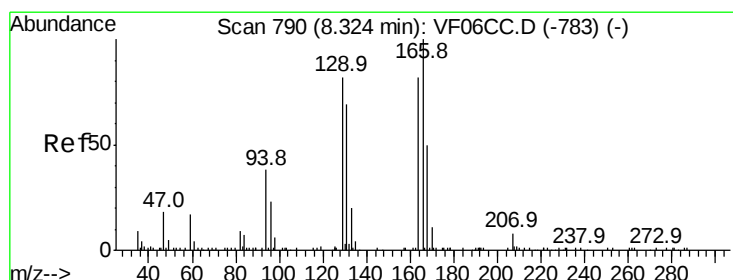
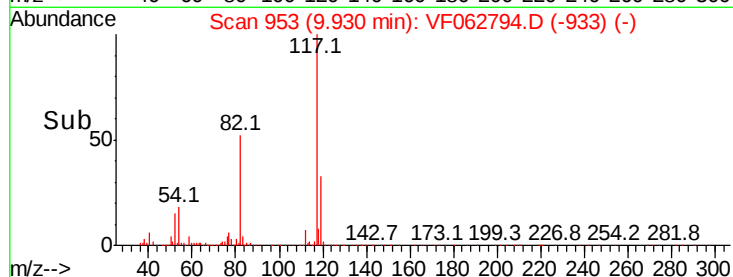
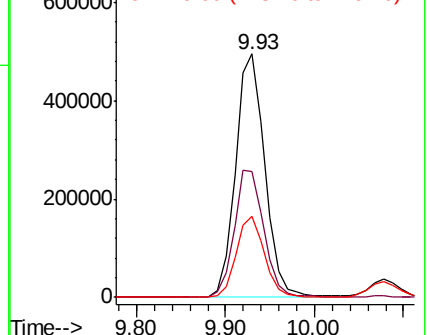
119 33.1 27.1 40.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 10.817 ug/l

RT: 8.32 min Scan# 790

Delta R.T. -0.00 min

Lab File: VF062794.D

Acq: 30 May 2019 14:35

Tgt Ion:164 Resp: 102631

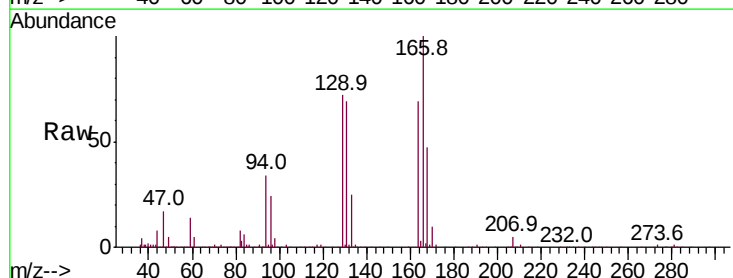
Ion Ratio Lower Upper

164 100

166 145.1 99.1 148.7

129 104.7 69.5 104.3#

131 100.4 69.2 103.8

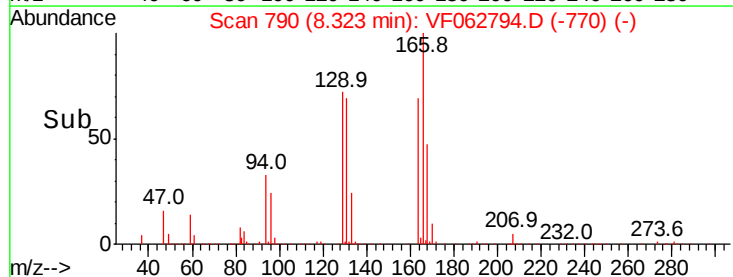
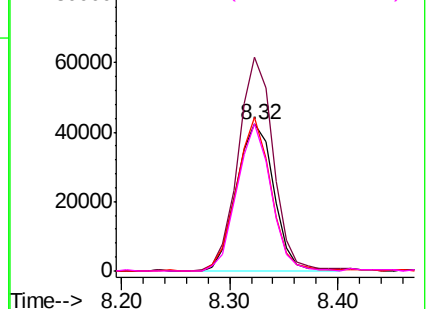


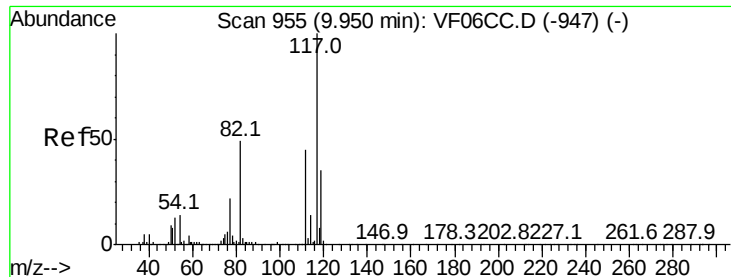
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

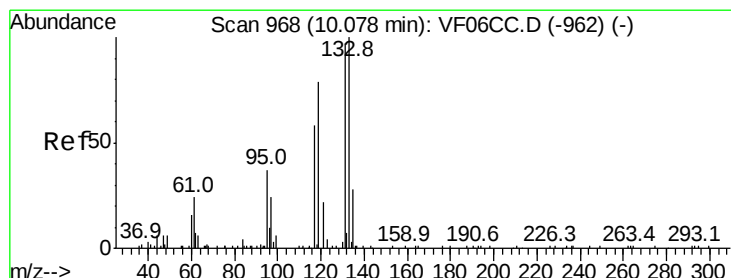
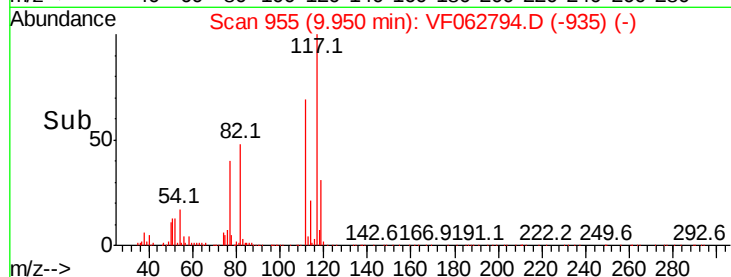
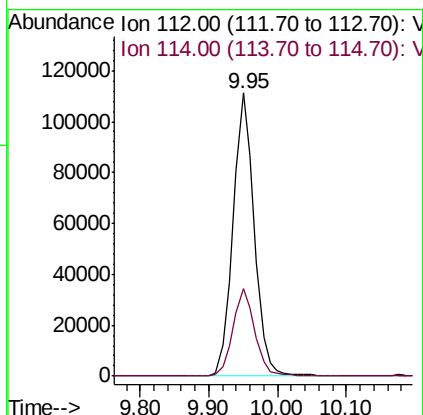
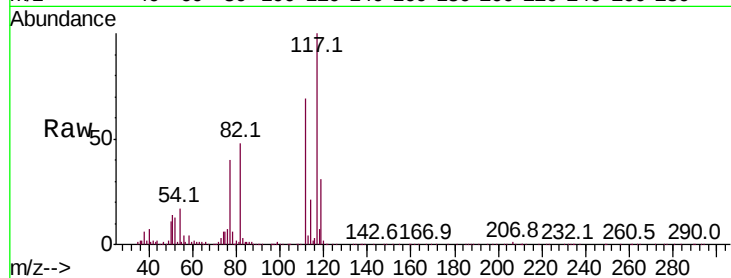




#65
Chlorobenzene
Concen: 10.294 ug/l
RT: 9.95 min Scan# 955
Delta R.T. -0.00 min
Lab File: VF062794.D
Acq: 30 May 2019 14:35

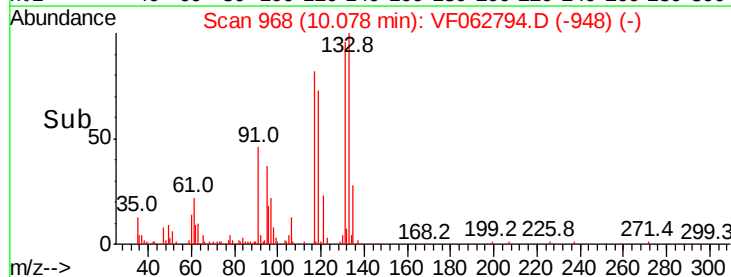
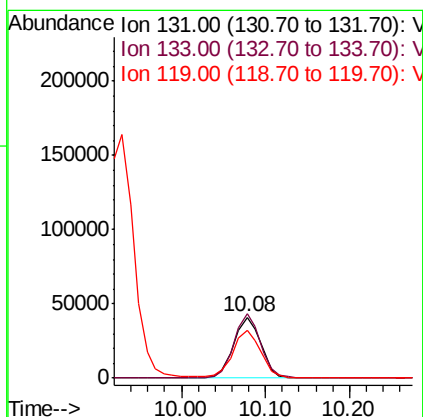
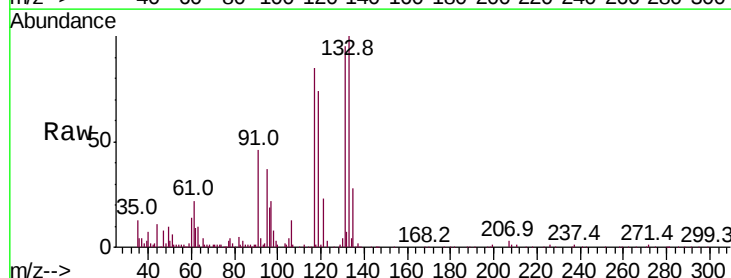
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

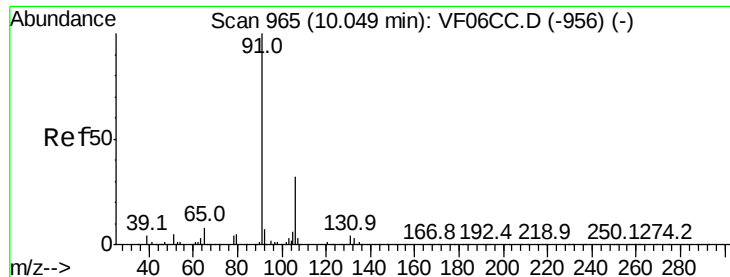
Tot Ion:112 Resp: 237354
Ion Ratio Lower Upper
112 100
114 31.0 27.4 41.0



#66
1,1,1,2-Tetrachloroethane
Concen: 10.270 ug/l
RT: 10.08 min Scan# 968
Delta R.T. -0.00 min
Lab File: VF062794.D
Acq: 30 May 2019 14:35

Tgt Ion:131 Resp: 92505
Ion Ratio Lower Upper
131 100
133 104.9 48.9 146.7
119 77.5 38.0 114.0





#67

Ethyl Benzene

Concen: 10.826 ug/l

RT: 10.05 min Scan# 965

Delta R.T. -0.00 min

Lab File: VF062794.D

Acq: 30 May 2019 14:35

Instrument :

MSVOA_F

ClientSampleId :

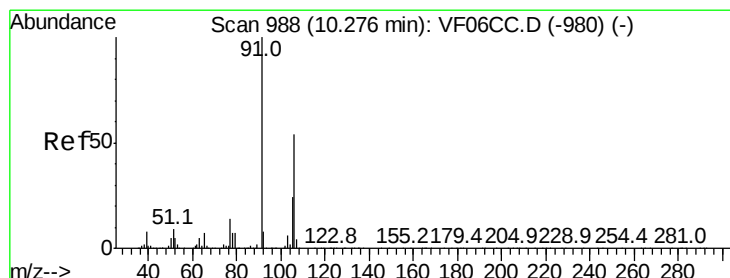
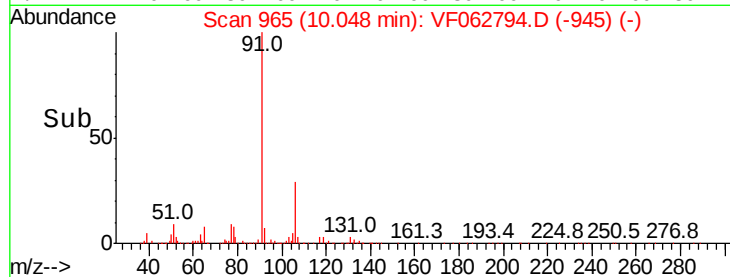
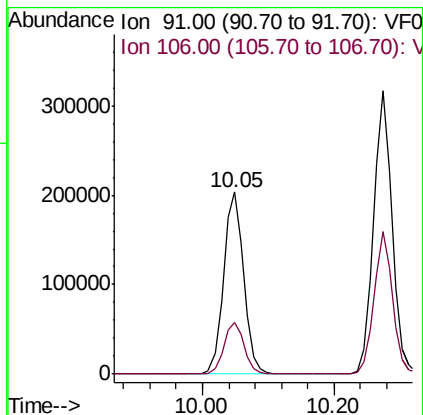
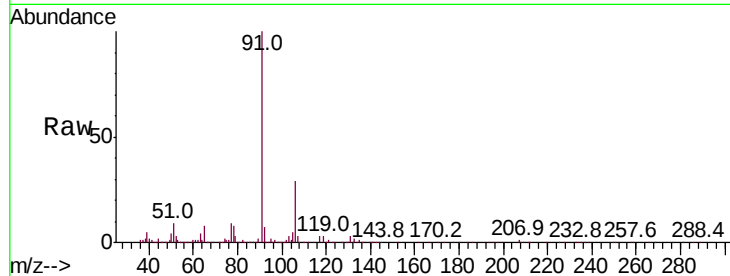
VSTDIC010

Tot Ion: 91 Resp: 435109

Ion Ratio Lower Upper

91 100

106 28.8 26.0 39.0



#68

m/p-Xylenes

Concen: 21.170 ug/l

RT: 10.27 min Scan# 988

Delta R.T. -0.00 min

Lab File: VF062794.D

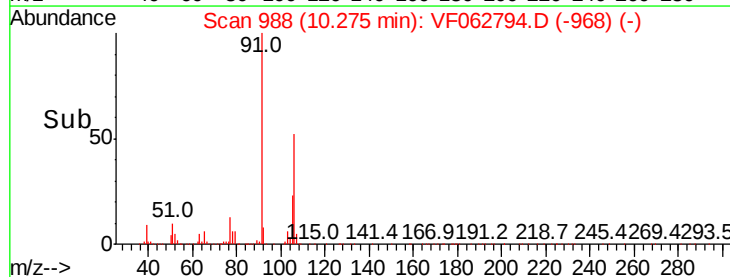
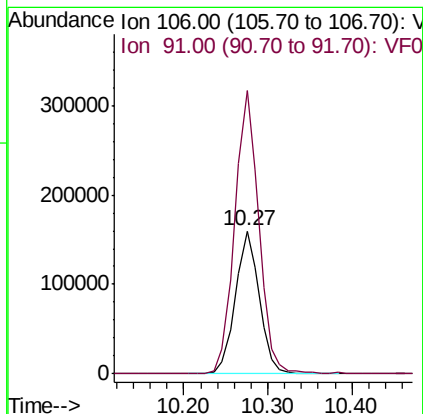
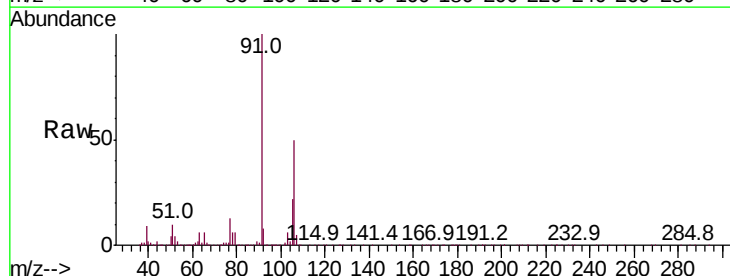
Acq: 30 May 2019 14:35

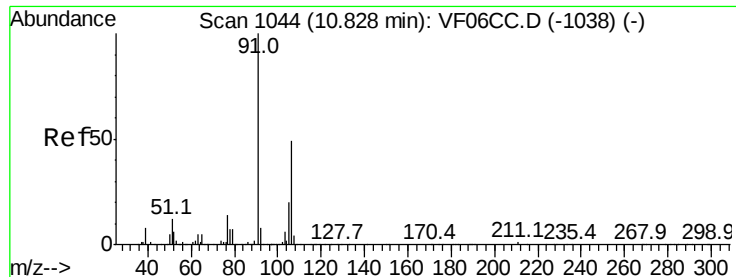
Tgt Ion: 106 Resp: 317454

Ion Ratio Lower Upper

106 100

91 198.2 136.2 204.4

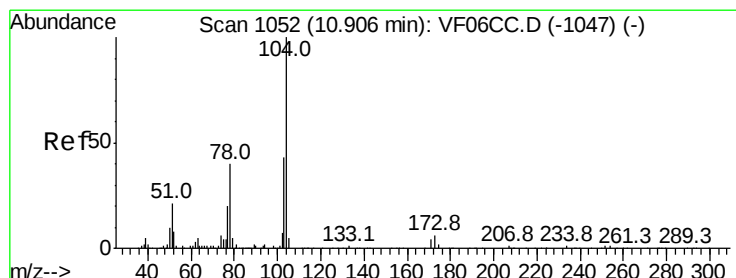
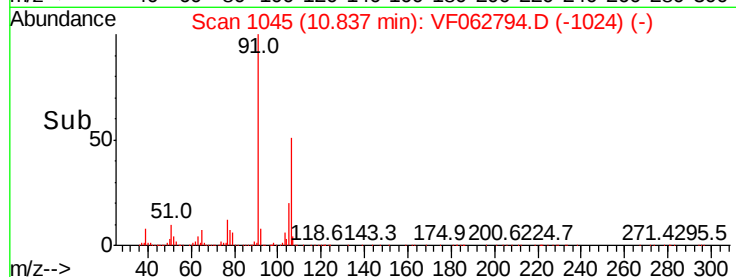
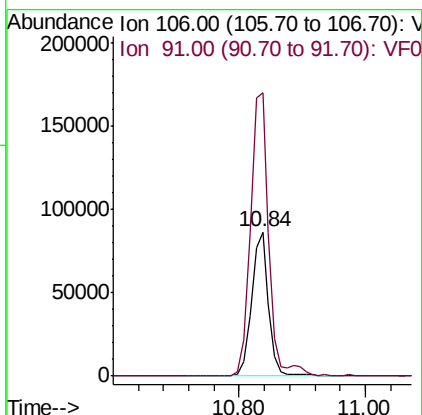
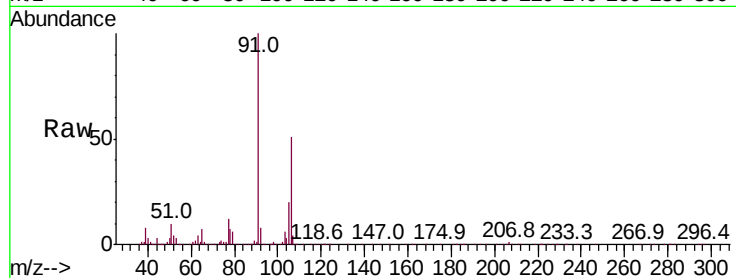




#69
o-Xylene
Concen: 10.691 ug/l
RT: 10.84 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VF062794.D
Acq: 30 May 2019 14:35

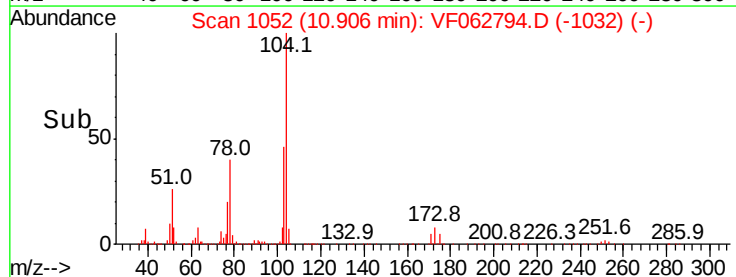
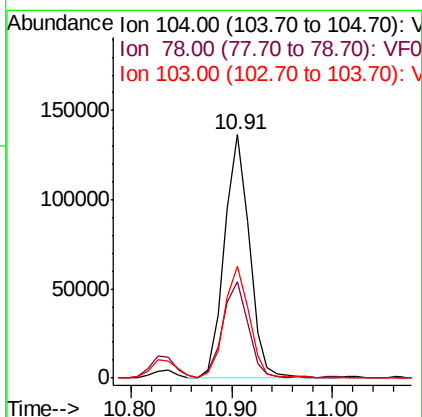
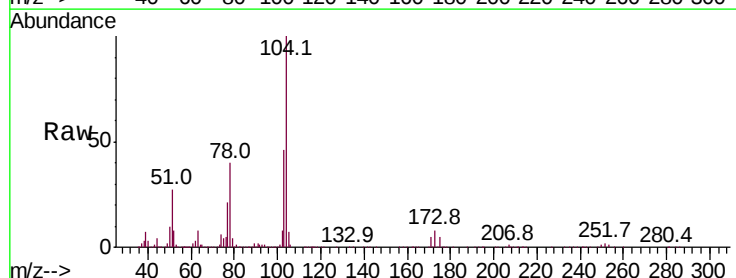
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

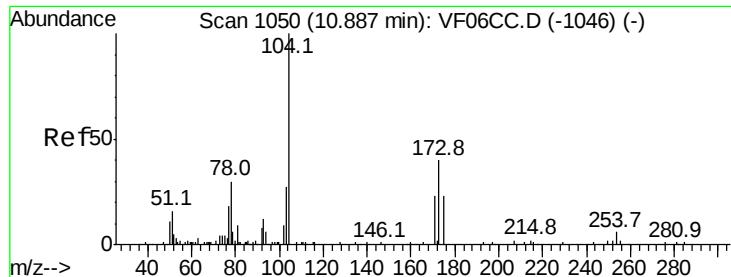
Tot Ion:106 Resp: 162506
Ion Ratio Lower Upper
106 100
91 196.1 96.6 289.8



#70
Styrene
Concen: 10.441 ug/l
RT: 10.91 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VF062794.D
Acq: 30 May 2019 14:35

Tgt Ion:104 Resp: 233342
Ion Ratio Lower Upper
104 100
78 39.7 30.8 46.2
103 46.2 35.8 53.6





#71

Bromoform

Concen: 9.994 ug/l

RT: 10.90 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VF062794.D

Acq: 30 May 2019 14:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

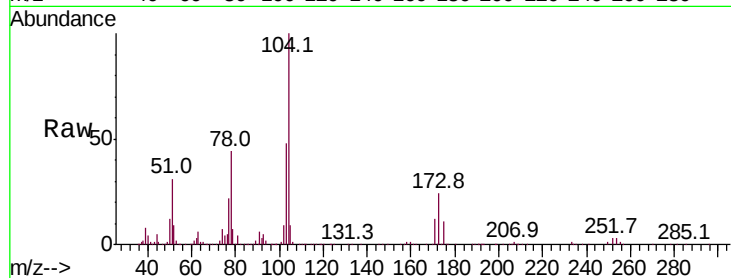
Tot Ion:173 Resp: 43766

Ion Ratio Lower Upper

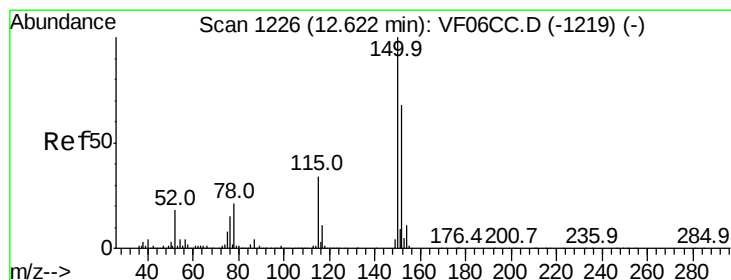
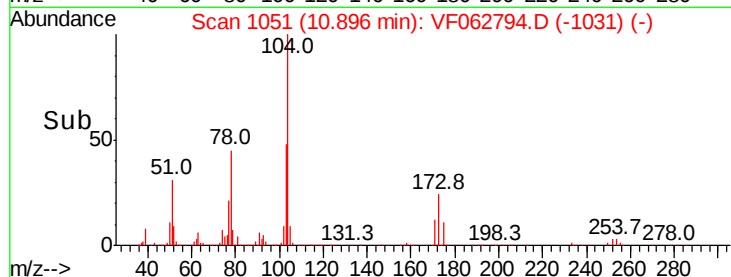
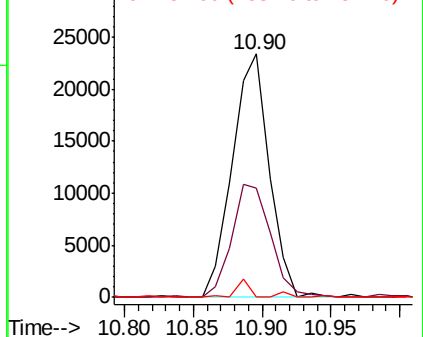
173 100

175 44.6 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: VF062794.D

Acq: 30 May 2019 14:35

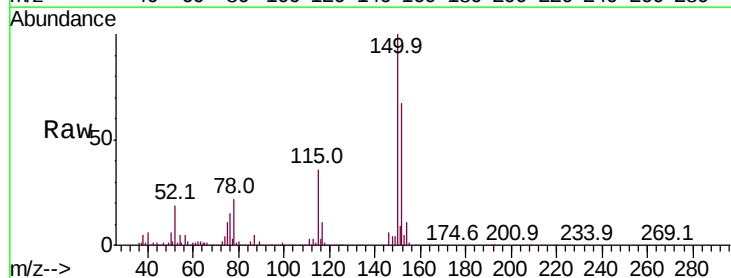
Tgt Ion:152 Resp: 530471

Ion Ratio Lower Upper

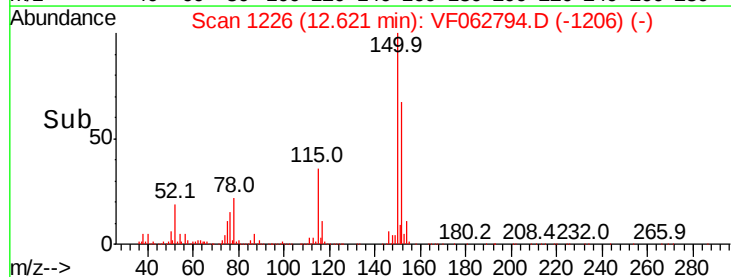
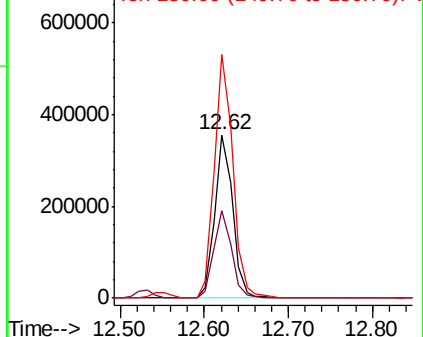
152 100

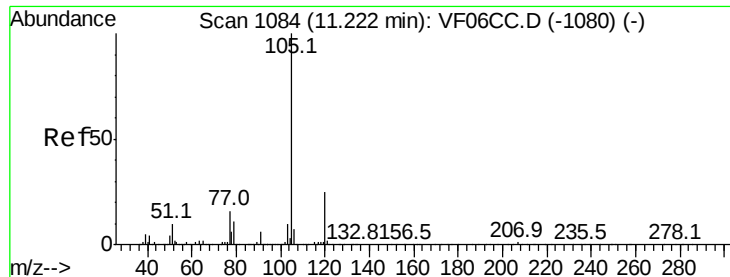
115 53.2 24.6 74.0

150 148.9 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: 10.474 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VF062794.D

Acq: 30 May 2019 14:35

Instrument :

MSVOA_F

ClientSampleId :

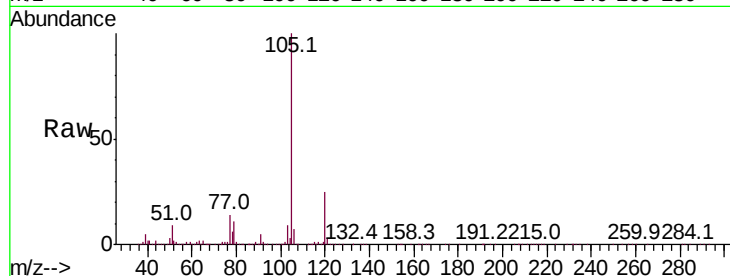
VSTDIC010

Tot Ion:105 Resp: 420344

Ion Ratio Lower Upper

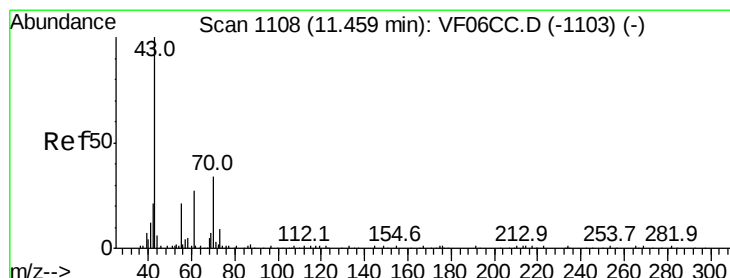
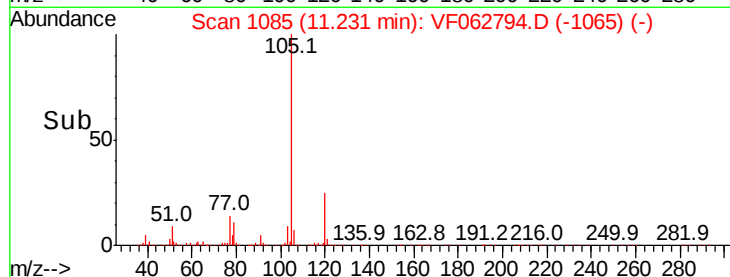
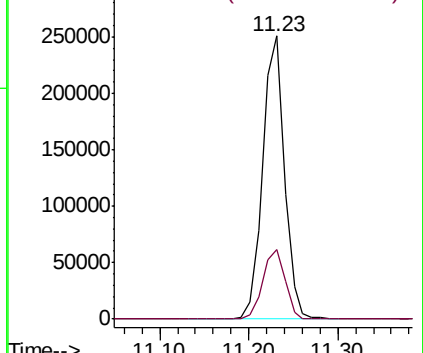
105 100

120 24.6 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: 11.071 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF062794.D

Acq: 30 May 2019 14:35

Tgt Ion: 43 Resp: 126039

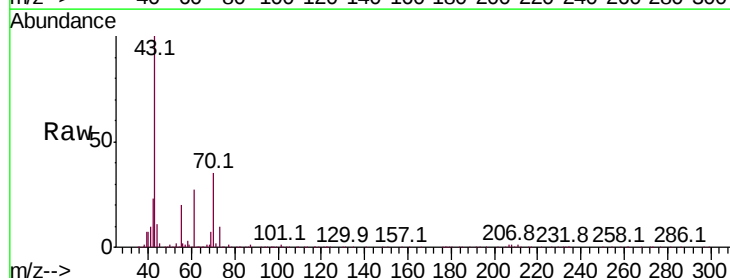
Ion Ratio Lower Upper

43 100

70 35.3 32.9 49.3

55 20.3 17.3 25.9

61 26.9 23.7 35.5

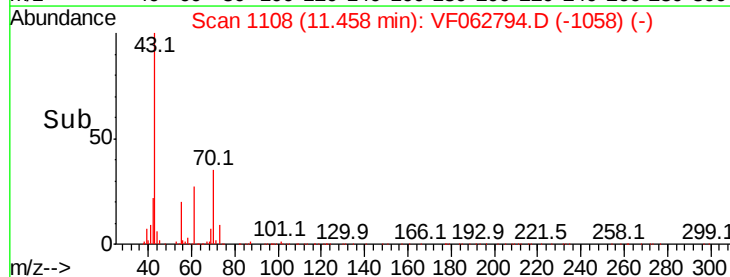
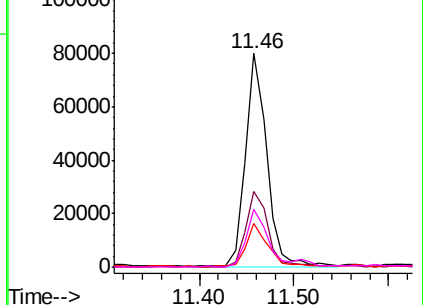


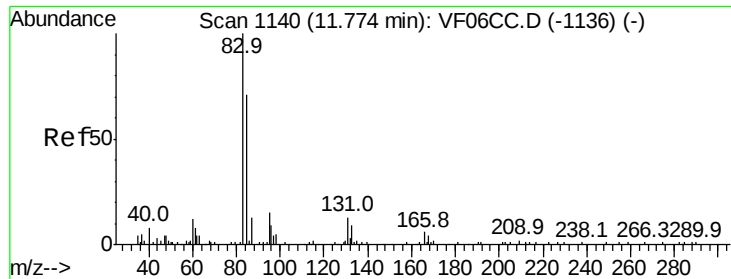
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 10.148 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF062794.D

Acq: 30 May 2019 14:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

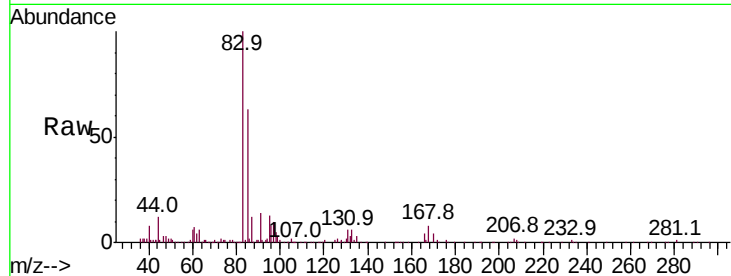
Tot Ion: 83 Resp: 88000

Ion Ratio Lower Upper

83 100

131 6.4 4.9 14.7

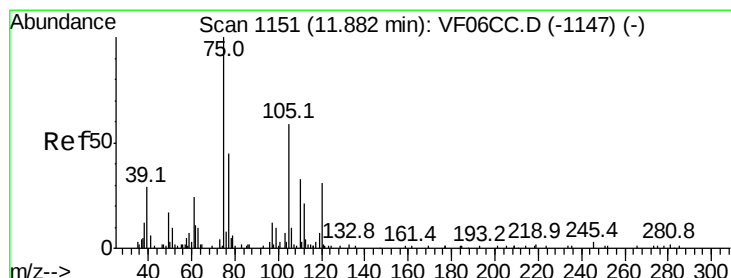
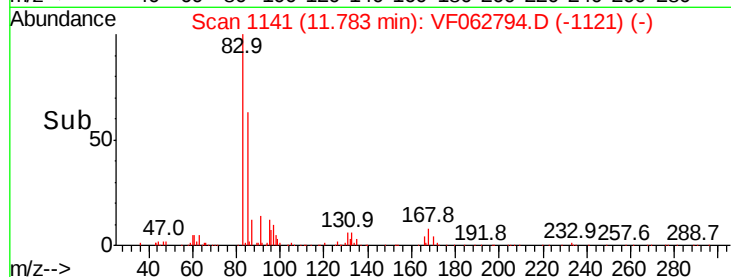
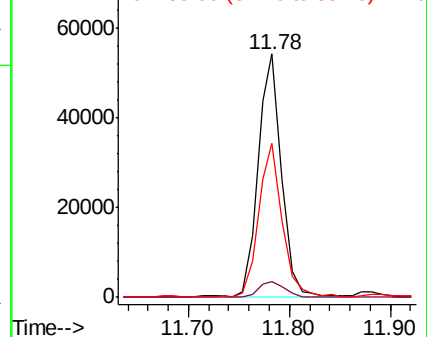
85 63.4 32.1 96.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 10.084 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.00 min

Lab File: VF062794.D

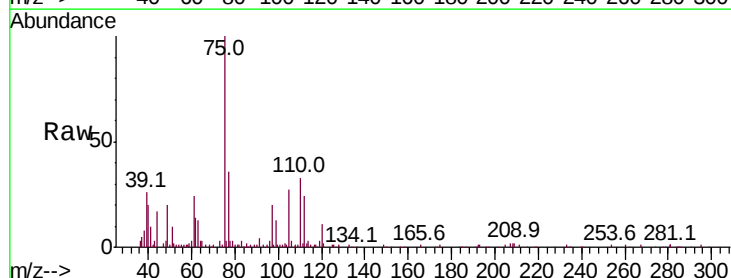
Acq: 30 May 2019 14:35

Tgt Ion: 75 Resp: 56242

Ion Ratio Lower Upper

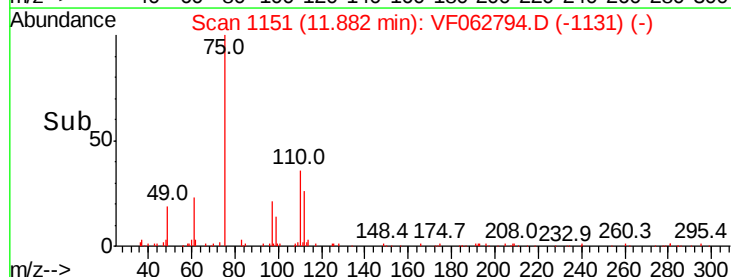
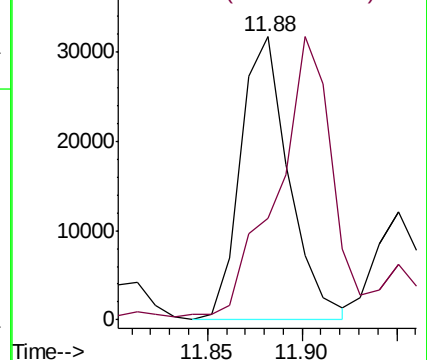
75 100

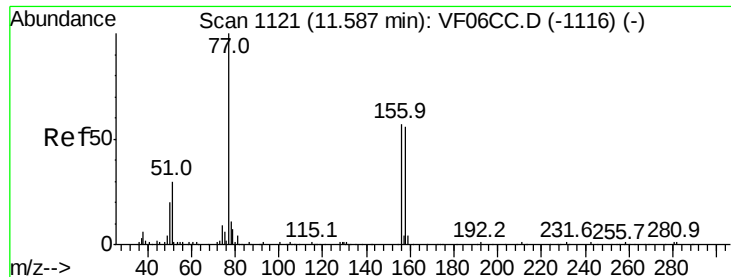
77 35.7 20.1 60.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 10.340 ug/l

RT: 11.60 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF062794.D

Acq: 30 May 2019 14:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

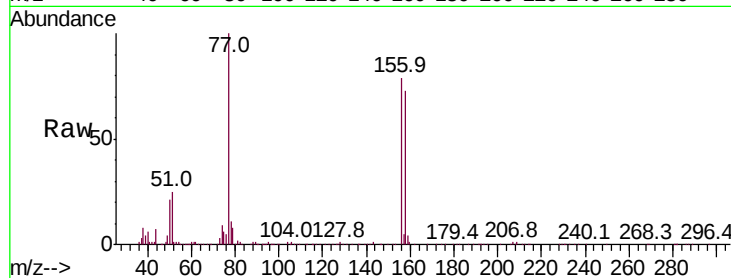
Tot Ion:156 Resp: 101624

Ion Ratio Lower Upper

156 100

77 127.0 64.2 192.6

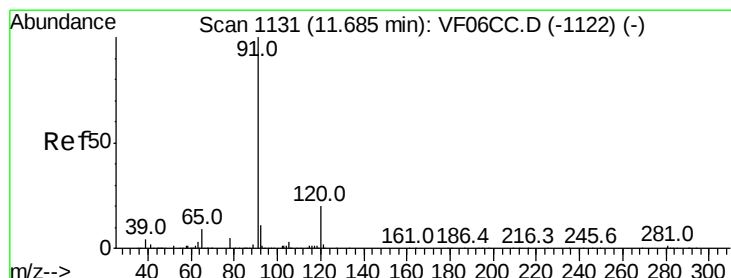
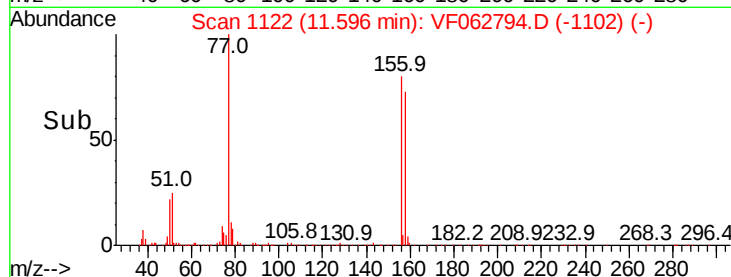
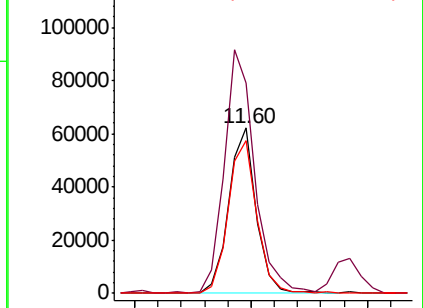
158 92.1 50.3 151.0



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: 10.748 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF062794.D

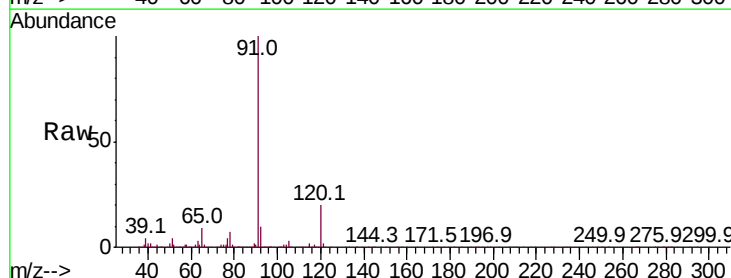
Acq: 30 May 2019 14:35

Tgt Ion: 91 Resp: 535315

Ion Ratio Lower Upper

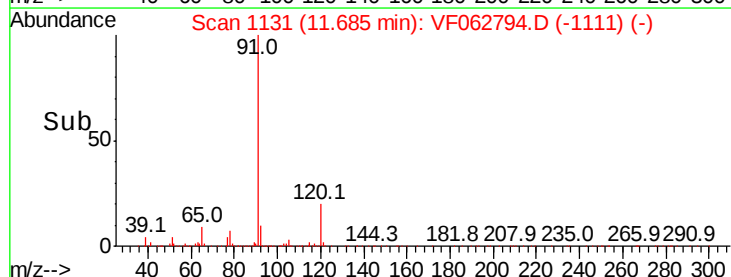
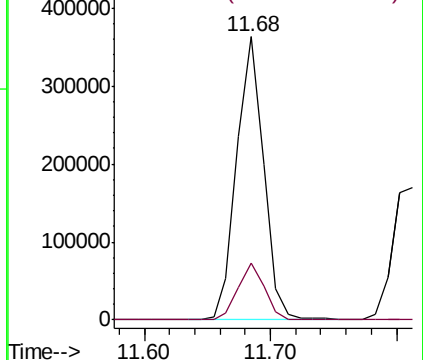
91 100

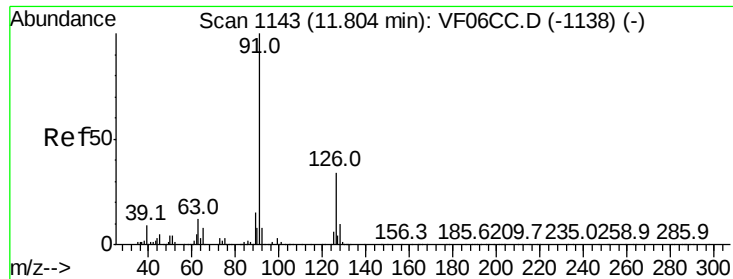
120 20.1 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

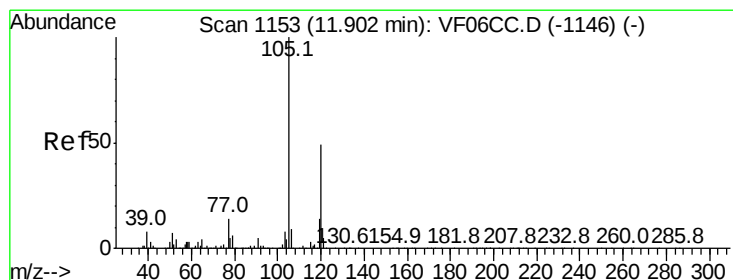
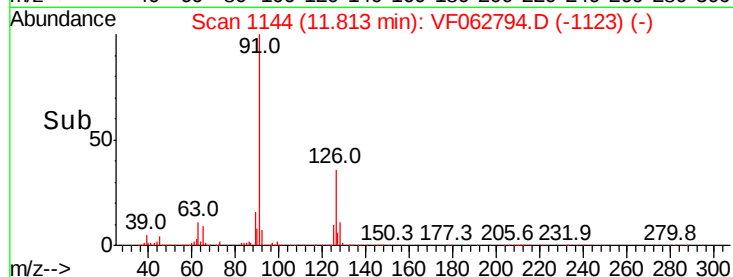
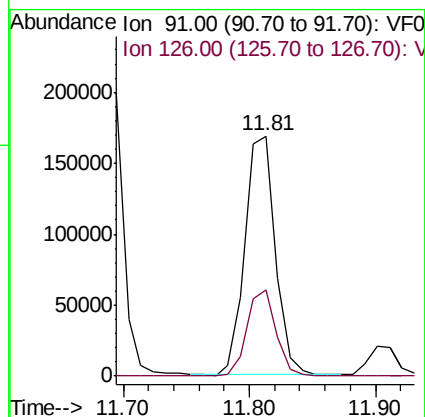
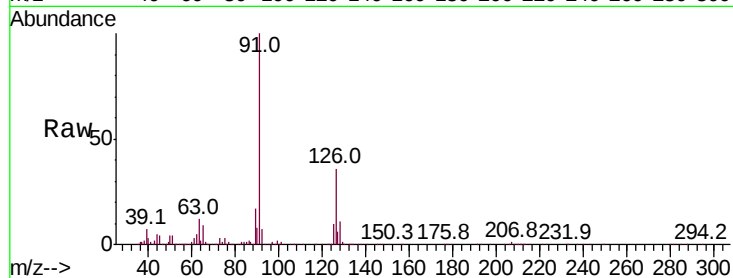




#79
2-Chlorotoluene
Concen: 10.338 ug/l
RT: 11.81 min Scan# 1144
Delta R.T. 0.01 min
Lab File: VF062794.D
Acq: 30 May 2019 14:35

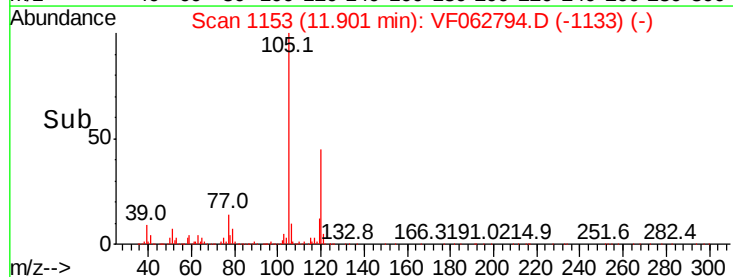
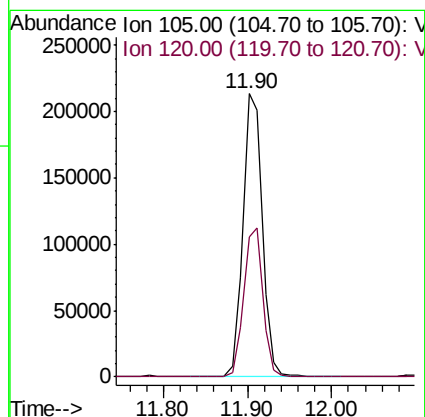
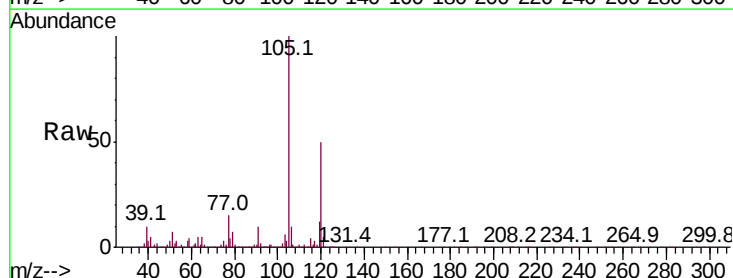
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

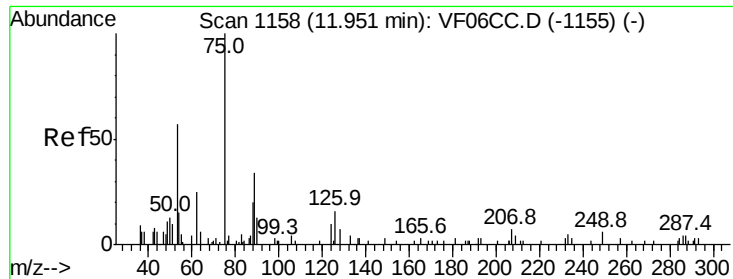
Tot Ion: 91 Resp: 282044
Ion Ratio Lower Upper
91 100
126 35.7 17.8 53.3



#80
1,3,5-Trimethylbenzene
Concen: 10.465 ug/l
RT: 11.90 min Scan# 1153
Delta R.T. -0.00 min
Lab File: VF062794.D
Acq: 30 May 2019 14:35

Tgt Ion:105 Resp: 342382
Ion Ratio Lower Upper
105 100
120 49.5 28.7 86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 7.159 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF062794.D

Acq: 30 May 2019 14:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

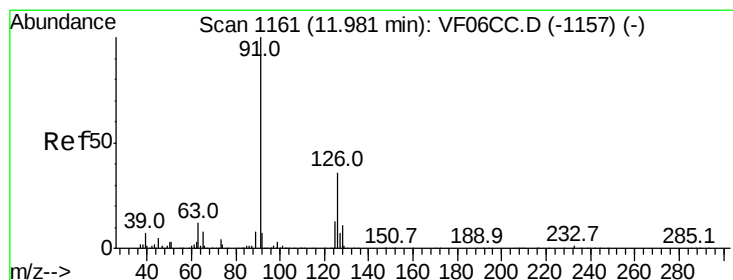
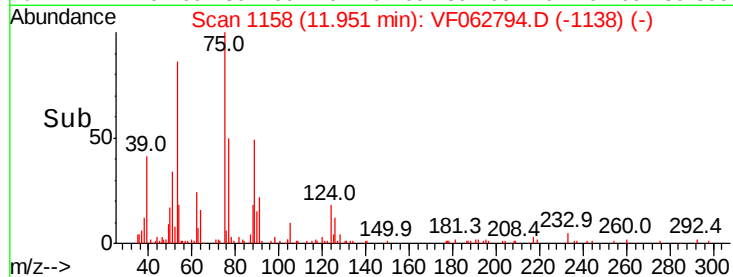
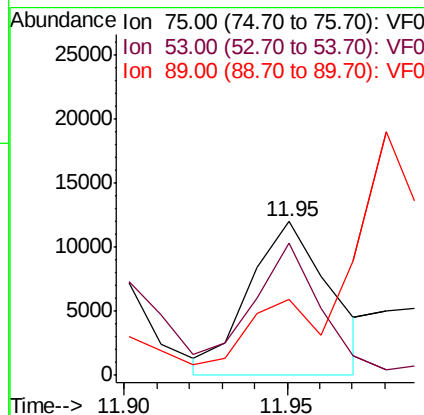
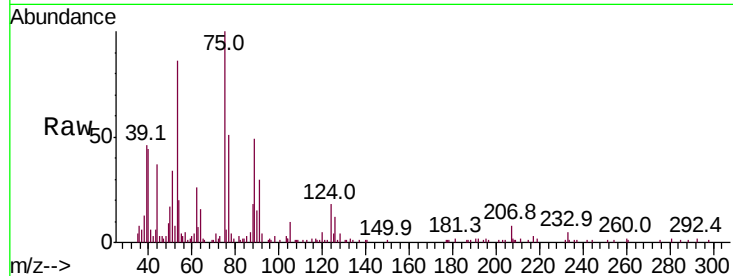
Tot Ion: 75 Resp: 20850

Ion Ratio Lower Upper

75 100

53 85.7 43.5 65.3#

89 49.1 34.3 51.5



#82

4-Chlorotoluene

Concen: 10.324 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VF062794.D

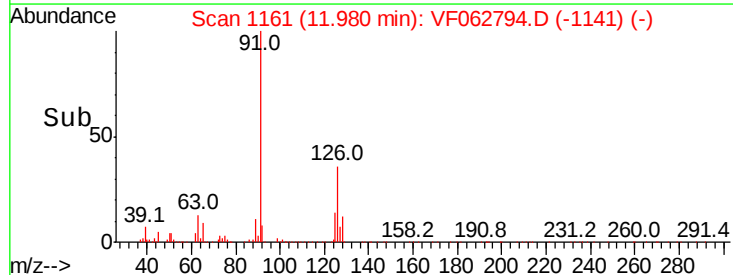
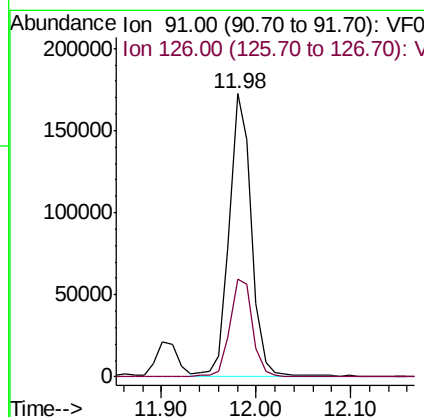
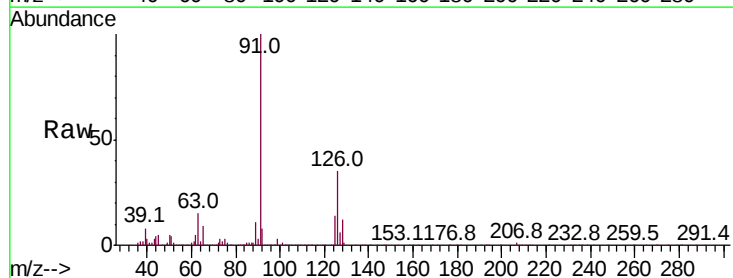
Acq: 30 May 2019 14:35

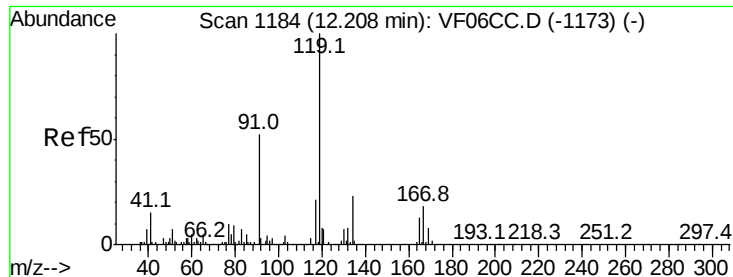
Tgt Ion: 91 Resp: 279140

Ion Ratio Lower Upper

91 100

126 34.8 19.1 57.1





#83

tert-Butylbenzene

Concen: 10.403 ug/l

RT: 12.21 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VF062794.D

Acq: 30 May 2019 14:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

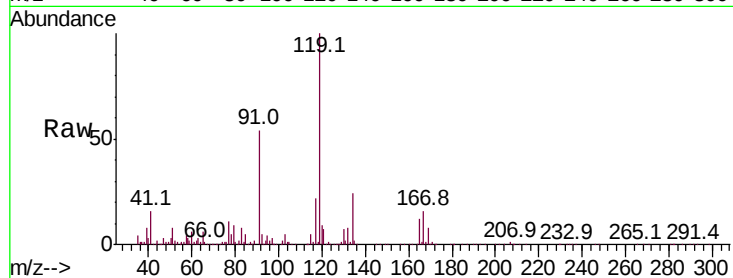
Tot Ion:119 Resp: 330594

Ion Ratio Lower Upper

119 100

91 53.5 28.9 86.7

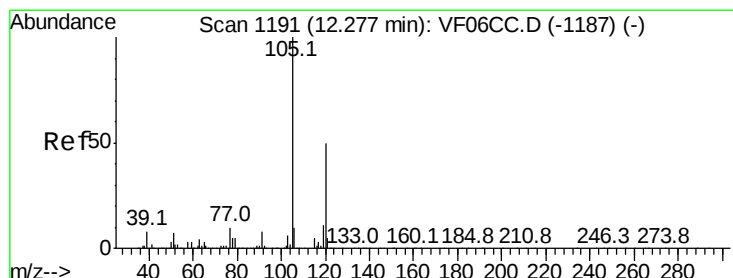
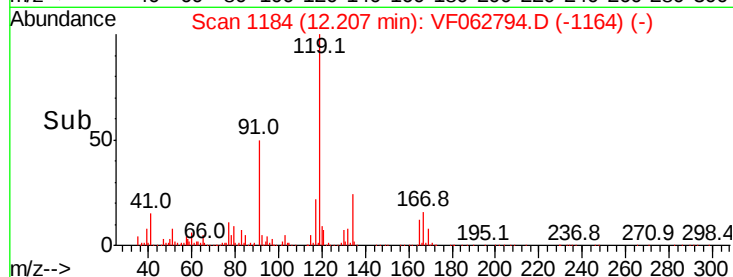
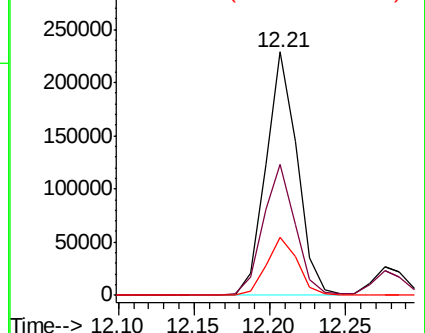
134 24.0 14.3 42.9



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: 10.844 ug/l

RT: 12.28 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VF062794.D

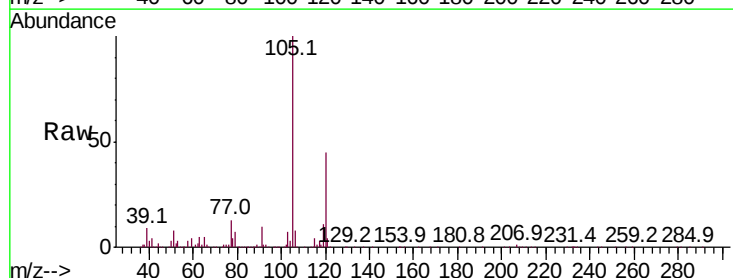
Acq: 30 May 2019 14:35

Tgt Ion:105 Resp: 338646

Ion Ratio Lower Upper

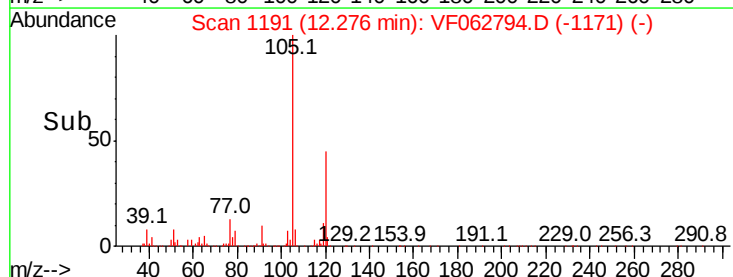
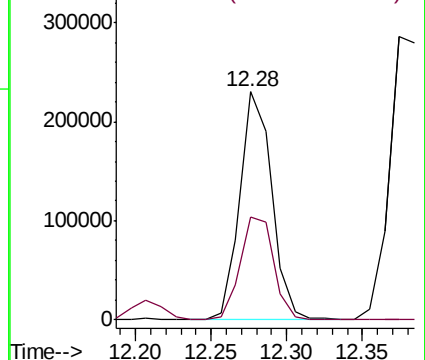
105 100

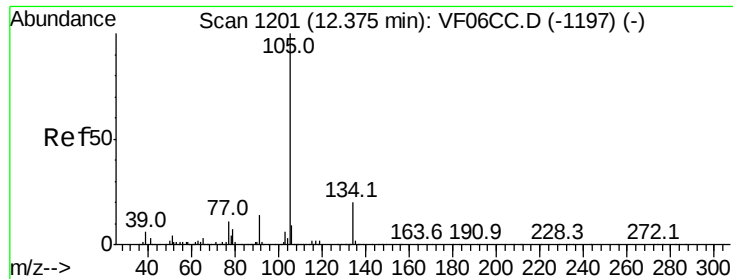
120 44.9 27.1 81.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

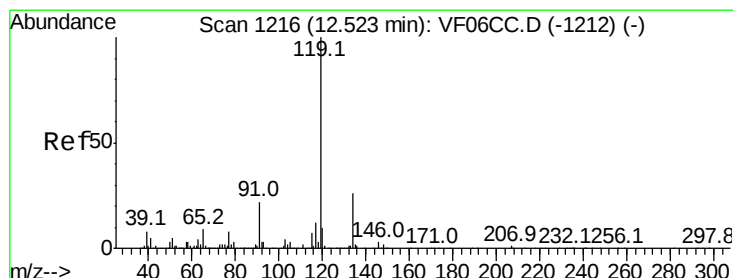
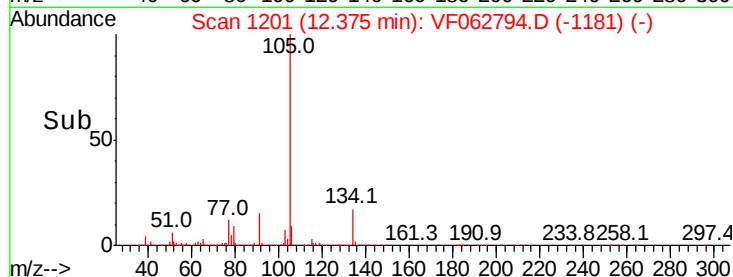
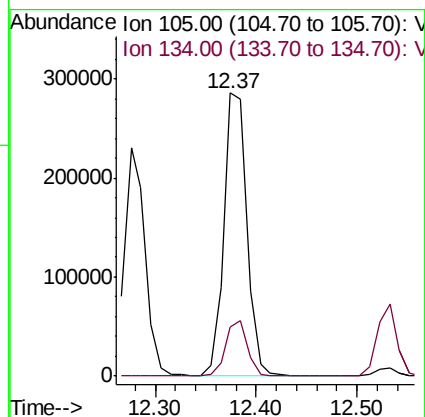
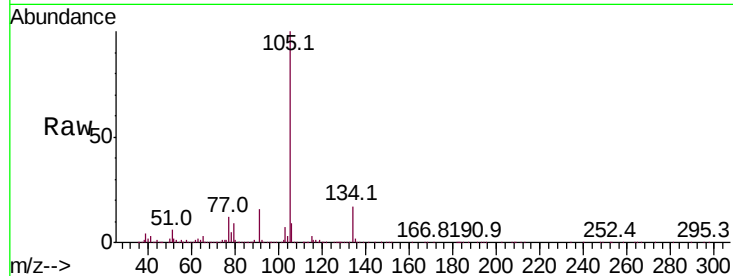




#85
 sec-Butylbenzene
 Concen: 10.460 ug/l
 RT: 12.37 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF062794.D
 Acq: 30 May 2019 14:35

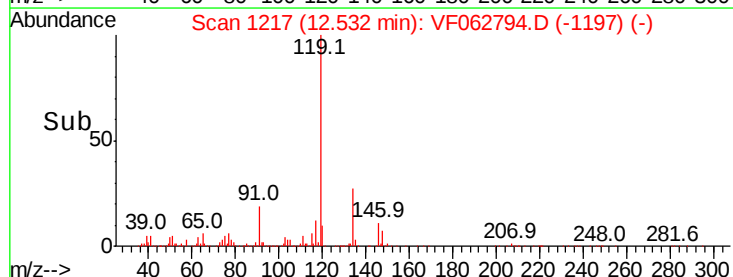
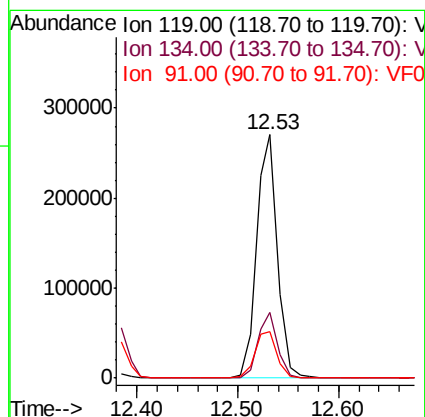
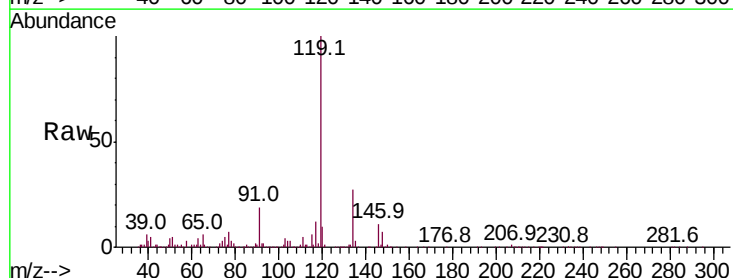
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

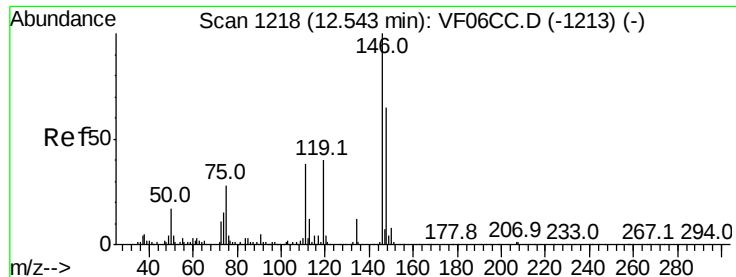
Tot Ion:105 Resp: 454190
 Ion Ratio Lower Upper
 105 100
 134 17.4 10.5 31.6



#86
 p-Isopropyltoluene
 Concen: 10.931 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VF062794.D
 Acq: 30 May 2019 14:35

Tgt Ion:119 Resp: 390486
 Ion Ratio Lower Upper
 119 100
 134 27.0 15.5 46.5
 91 19.0 10.3 30.9





#87

1,3-Dichlorobenzene

Concen: 10.645 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.01 min

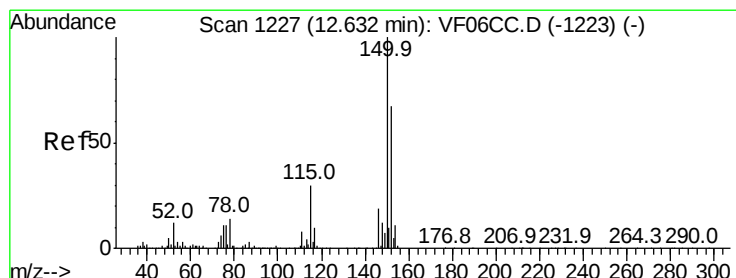
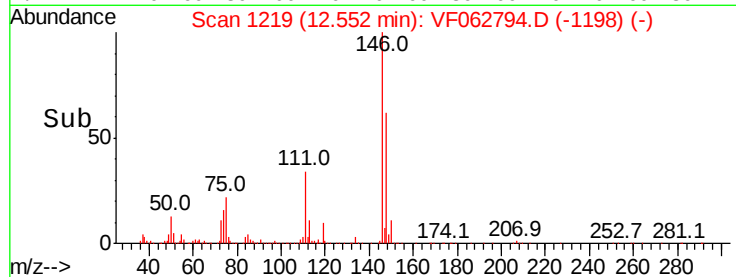
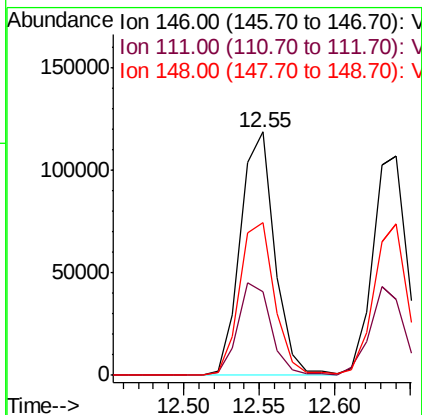
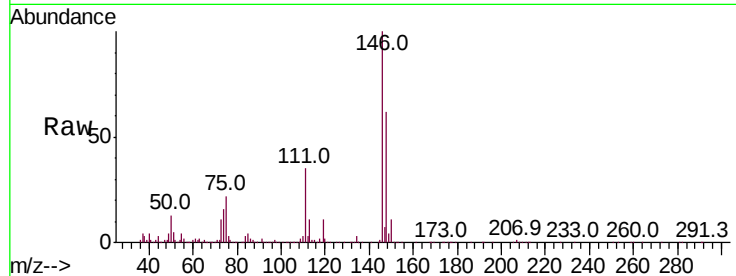
Lab File: VF062794.D

Acq: 30 May 2019 14:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion:146 Resp: 187856

Ion	Ratio	Lower	Upper
146	100		
111	34.5	19.6	58.8
148	62.5	34.2	102.5



#88

1,4-Dichlorobenzene

Concen: 10.646 ug/l

RT: 12.64 min Scan# 1228

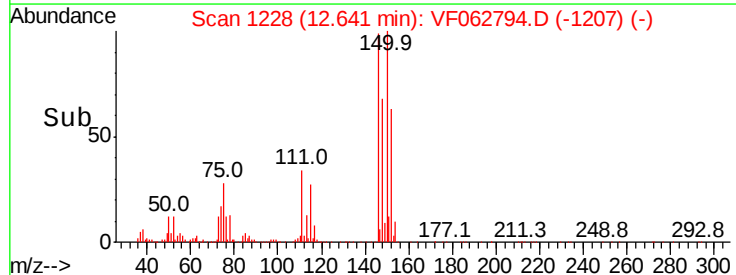
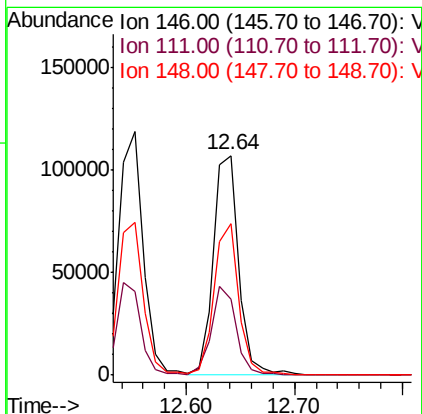
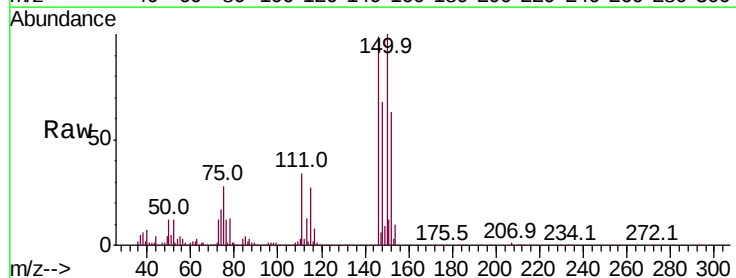
Delta R.T. 0.01 min

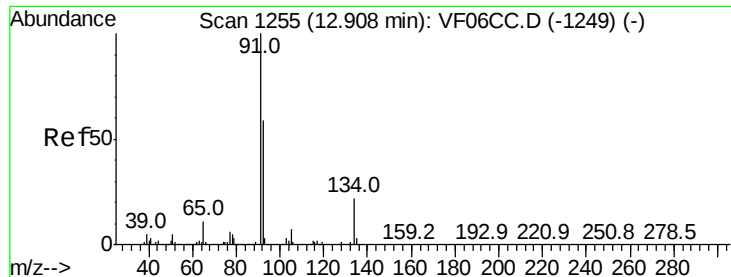
Lab File: VF062794.D

Acq: 30 May 2019 14:35

Tgt Ion:146 Resp: 175158

Ion	Ratio	Lower	Upper
146	100		
111	34.7	20.3	60.9
148	69.1	34.0	101.8

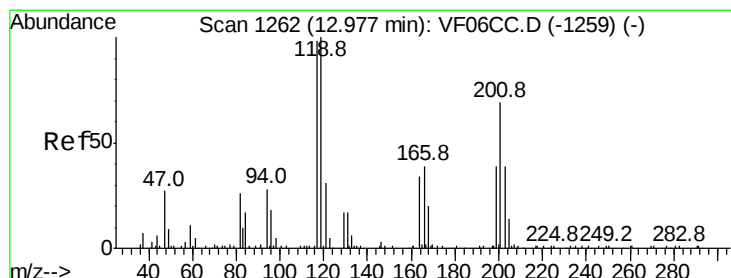
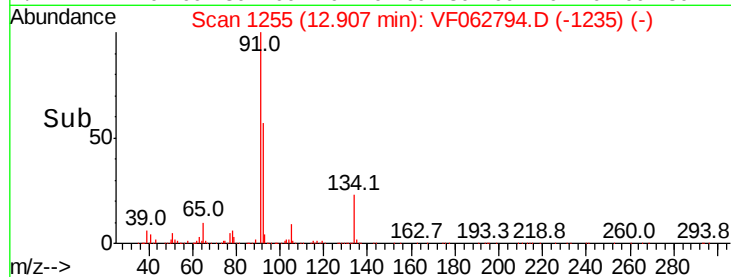
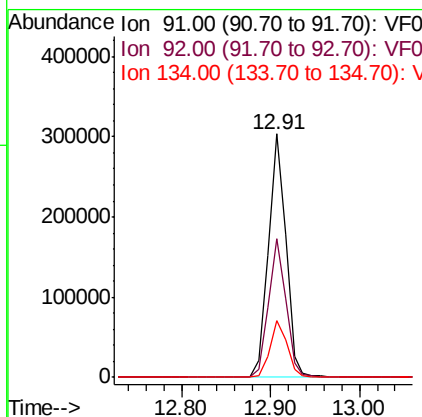
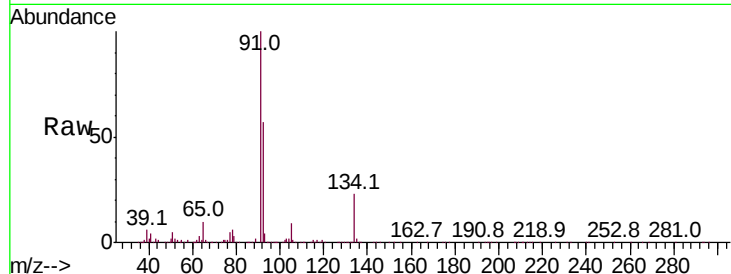




#89
n-Butylbenzene
Concen: 11.150 ug/l
RT: 12.91 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VF062794.D
Acq: 30 May 2019 14:35

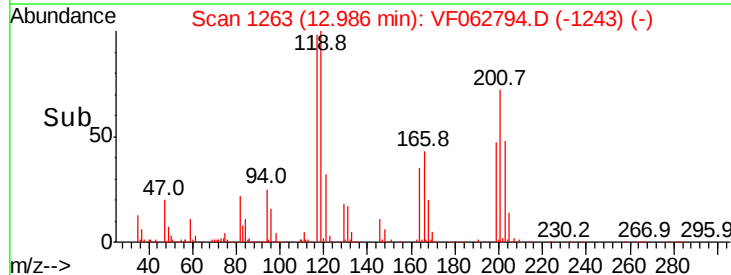
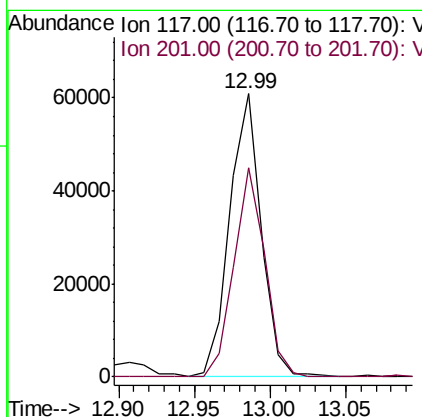
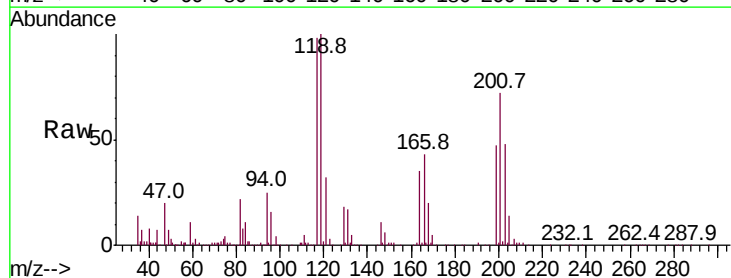
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

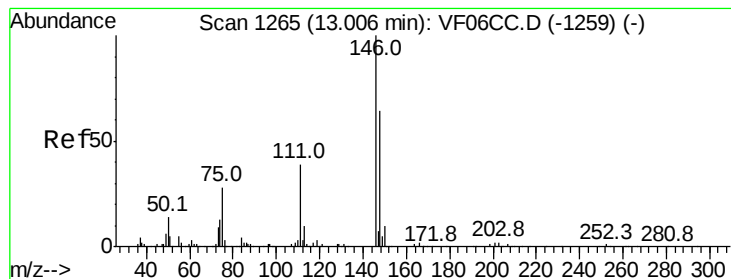
Tot Ion	Ratio	Lower	Upper
91	100		
92	57.2	34.2	102.6
134	23.3	15.8	47.3



#90
Hexachloroethane
Concen: 10.413 ug/l
RT: 12.99 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VF062794.D
Acq: 30 May 2019 14:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.7	38.9	116.7





#91

1,2-Dichlorobenzene

Concen: 10.876 ug/l

RT: 13.01 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VF062794.D

Acq: 30 May 2019 14:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

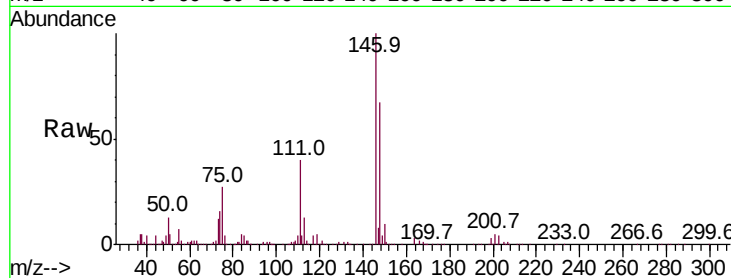
Tot Ion:146 Resp: 168508

Ion Ratio Lower Upper

146 100

111 39.5 20.4 61.3

148 66.8 34.1 102.3

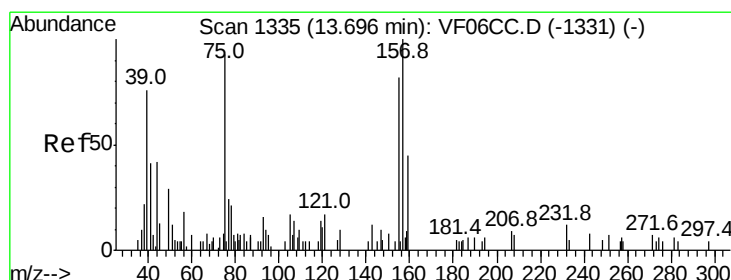
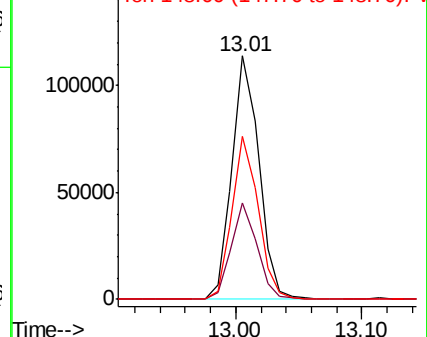
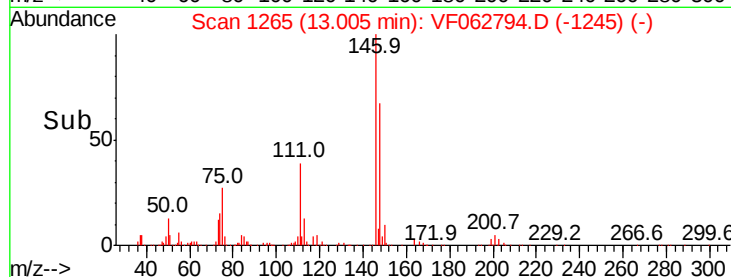


Abundance

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: 10.439 ug/l

RT: 13.70 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VF062794.D

Acq: 30 May 2019 14:35

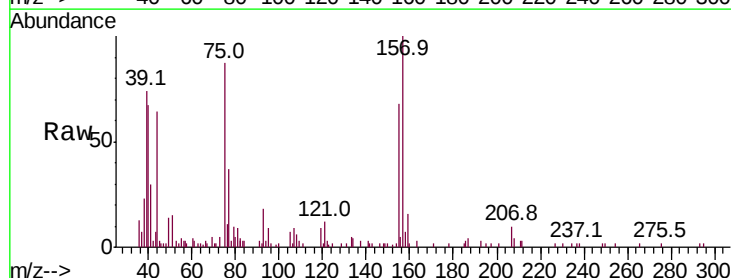
Tgt Ion: 75 Resp: 9636

Ion Ratio Lower Upper

75 100

155 84.1 51.7 155.1

157 115.1 66.8 200.6

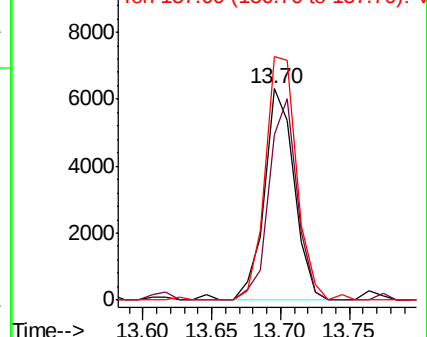
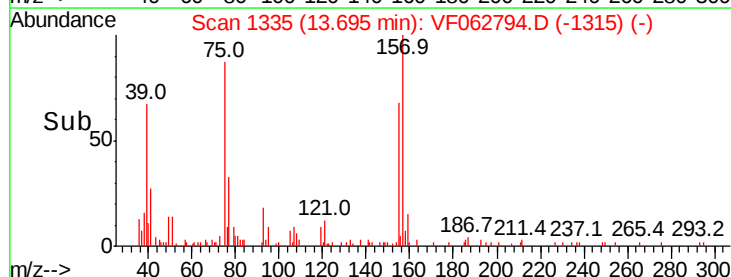


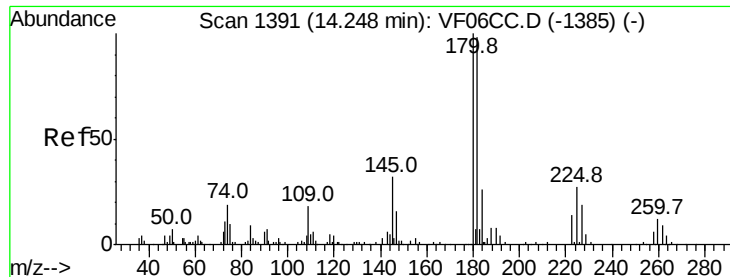
Abundance

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

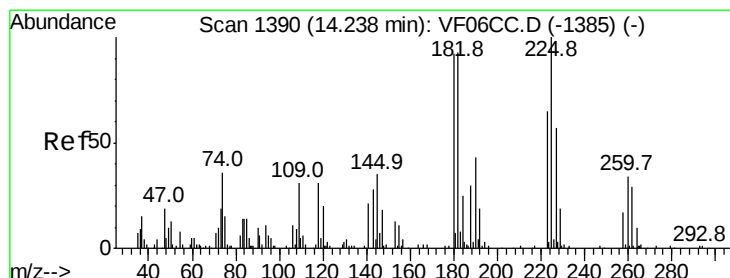
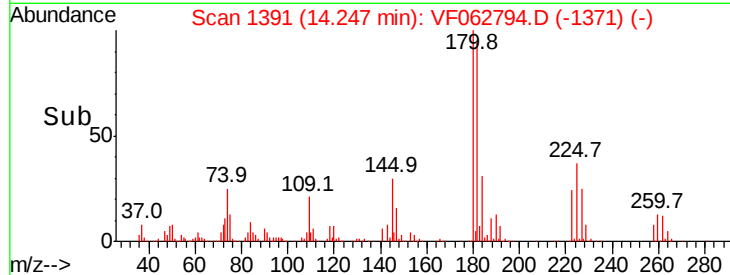
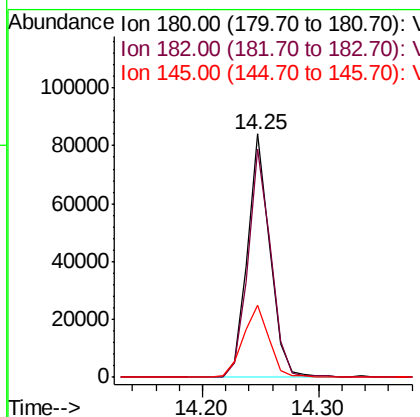
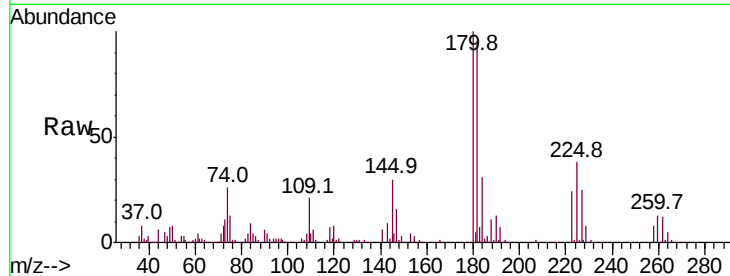




#93
 1,2,4-Trichlorobenzene
 Concen: 10.713 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VF062794.D
 Acq: 30 May 2019 14:35

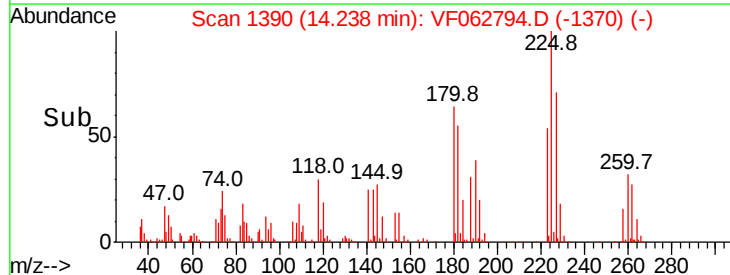
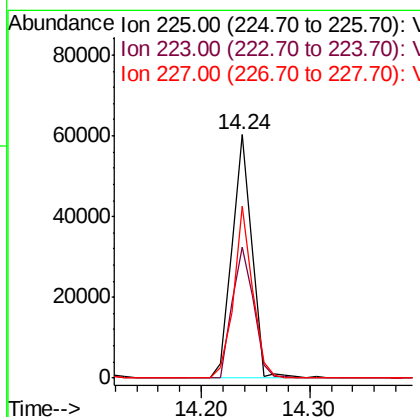
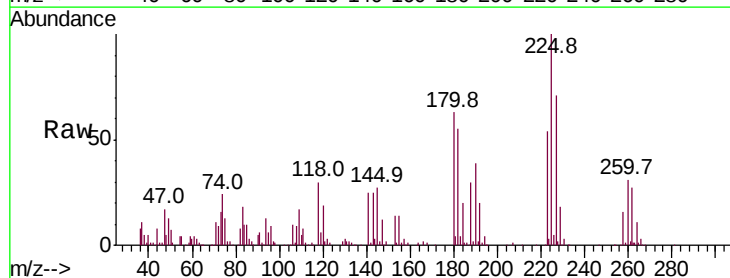
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

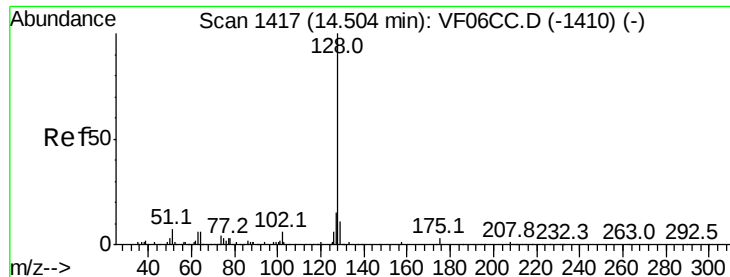
Tot Ion:180 Resp: 112657
 Ion Ratio Lower Upper
 180 100
 182 93.6 50.3 150.9
 145 29.8 15.4 46.2



#94
 Hexachlorobutadiene
 Concen: 10.716 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF062794.D
 Acq: 30 May 2019 14:35

Tgt Ion:225 Resp: 77422
 Ion Ratio Lower Upper
 225 100
 223 54.0 30.8 92.4
 227 70.7 31.9 95.5





#95

Naphthalene

Concen: 9.956 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VF062794.D

Acq: 30 May 2019 14:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

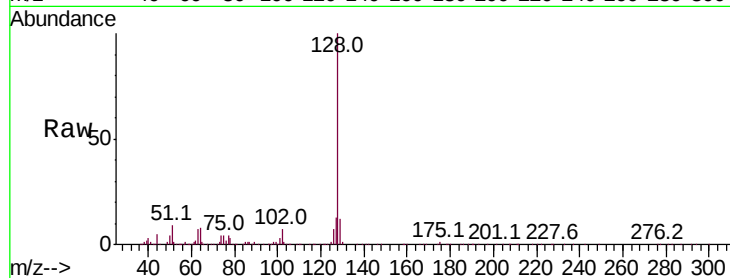
Tot Ion:128 Resp: 166277

Ion Ratio Lower Upper

128 100

127 12.9 9.7 14.5

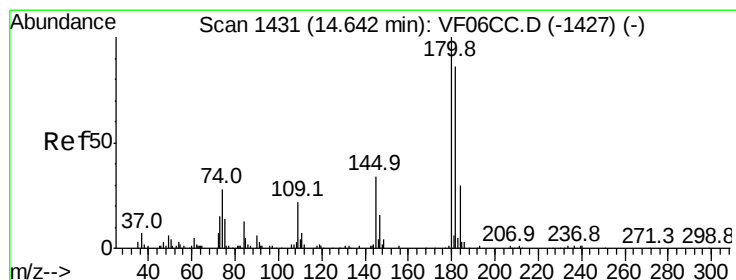
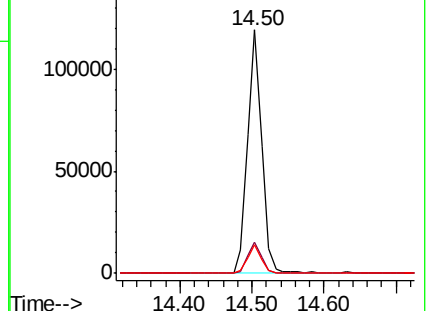
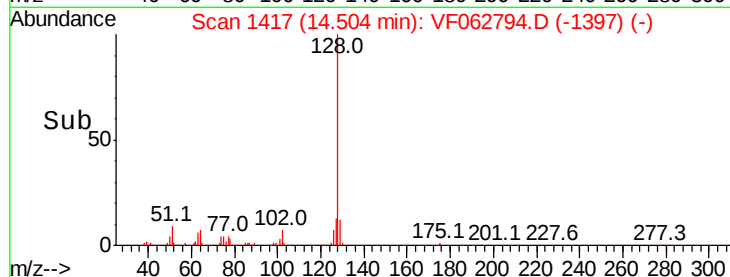
129 11.7 9.4 14.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 10.428 ug/l

RT: 14.65 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VF062794.D

Acq: 30 May 2019 14:35

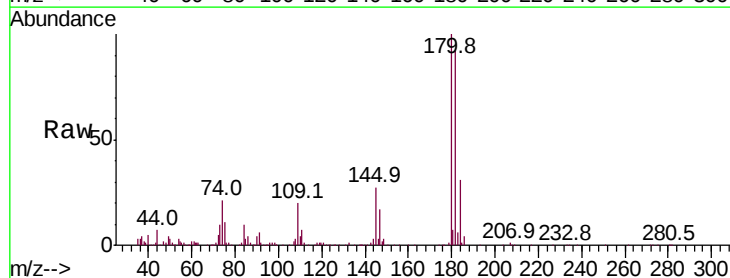
Tgt Ion:180 Resp: 97070

Ion Ratio Lower Upper

180 100

182 91.6 48.6 145.9

145 27.2 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

