

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF053019\
 Data File : VF062796.D
 Acq On : 30 May 2019 15:31
 Operator : FY/SY
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Quant Time: May 31 03:43:58 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	895909	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1501506	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	1167100	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	563515	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	335377	51.87	ug/l	0.00
Spiked Amount			Recovery	=	103.74%	
35) Dibromofluoromethane	4.33	113	606323	51.97	ug/l	0.00
Spiked Amount			Recovery	=	103.94%	
50) Toluene-d8	7.73	98	1536781	50.76	ug/l	0.00
Spiked Amount			Recovery	=	101.52%	
62) 4-Bromofluorobenzene	11.51	95	550349	53.15	ug/l	0.00
Spiked Amount			Recovery	=	106.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	527907	40.913	ug/l	100
3) Chloromethane	1.15	50	446325	44.117	ug/l	100
4) Vinyl Chloride	1.20	62	451199	46.292	ug/l	100
5) Bromomethane	1.41	94	288726	50.416	ug/l	100
6) Chloroethane	1.47	64	191437	51.520	ug/l	100
7) Trichlorofluoromethane	1.57	101	682552m	49.745	ug/l	
8) Diethyl Ether	1.72	74	135239	48.837	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.94	101	409763	46.011	ug/l	100
10) Methyl Iodide	2.02	142	822746m	47.656	ug/l	
11) Tert butyl alcohol	2.72	59	89578	225.943	ug/l	100
12) 1,1-Dichloroethene	1.89	96	373498	47.592	ug/l	100
13) Acrolein	2.12	56	35501	232.455	ug/l	100
14) Allyl chloride	2.21	41	335496	58.518	ug/l	100
15) Acrylonitrile	3.11	53	368759	250.317	ug/l	100
16) Acetone	2.36	43	385405	256.298	ug/l	100
17) Carbon Disulfide	1.93	76	1100048	63.953	ug/l	100
18) Methyl Acetate	2.48	43	122504	41.921	ug/l	100
19) Methyl tert-butyl Ether	2.56	73	664976	46.650	ug/l	100
20) Methylene Chloride	2.36	84	381514m	43.089	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	404068	49.379	ug/l	100
22) Diisopropyl ether	2.95	45	828745	49.192	ug/l	100
23) Vinyl Acetate	3.37	43	2910988	234.697	ug/l	100
24) 1,1-Dichloroethane	3.03	63	639049	50.036	ug/l	100
25) 2-Butanone	4.55	43	815246	228.229	ug/l	100
26) 2,2-Dichloropropane	3.80	77	355531	47.088	ug/l	100
27) cis-1,2-Dichloroethene	3.67	96	664576	50.297	ug/l	100
28) Bromochloromethane	3.93	49	347106	47.872	ug/l	100
29) Tetrahydrofuran	4.29	42	320186	242.622	ug/l	100
30) Chloroform	4.08	83	897902	48.070	ug/l	100
31) Cyclohexane	3.90	56	868915m	48.947	ug/l	
32) 1,1,1-Trichloroethane	4.31	97	468179	45.331	ug/l	100
36) 1,1-Dichloropropene	4.50	75	721049	49.257	ug/l	100
37) Ethyl Acetate	4.33	43	275661	46.727	ug/l	100
38) Carbon Tetrachloride	4.21	117	476486	48.638	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	909669	50.969	ug/l	100
40) Benzene	4.85	78	2192644	50.770	ug/l	100
41) Methacrylonitrile	4.95	41	147558	46.052	ug/l	100
42) 1,2-Dichloroethane	5.15	62	402023	50.087	ug/l	100
43) Isopropyl Acetate	7.13	43	350532	47.941	ug/l	100
44) Trichloroethene	5.70	130	585949	48.429	ug/l	100
45) 1,2-Dichloropropane	6.43	63	537076	50.506	ug/l	100
46) Dibromomethane	6.29	93	300649	48.635	ug/l	100
47) Bromodichloromethane	6.58	83	623279	49.492	ug/l	100
48) Methyl methacrylate	6.90	41	198815	53.340	ug/l	100
49) 1,4-Dioxane	6.89	88	45748	1017.637	ug/l	100
51) 4-Methyl-2-Pentanone	8.42	43	1243793	221.156	ug/l	100
52) Toluene	7.80	92	1127089	49.864	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	529838	50.823	ug/l	100
54) cis-1,3-Dichloropropene	7.48	75	768345	50.921	ug/l	100
55) 1,1,2-Trichloroethane	8.65	97	334155	48.293	ug/l	100
56) Ethyl methacrylate	8.78	69	366128	51.583	ug/l	100
57) 1,3-Dichloropropane	9.02	76	562433	49.961	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.47	63	624442	248.417	ug/l	100
59) 2-Hexanone	9.64	43	882102	224.170	ug/l	100
60) Dibromochloromethane	8.88	129	440308	52.753	ug/l	100
61) 1,2-Dibromoethane	9.15	107	356738	52.206	ug/l	100
64) Tetrachloroethene	8.33	164	480404	49.332	ug/l	100
65) Chlorobenzene	9.95	112	1171903	49.519	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.08	131	459330	49.686	ug/l	100
67) Ethyl Benzene	10.05	91	1969550	47.745	ug/l	100
68) m/p-Xylenes	10.28	106	1528055	99.286	ug/l	100
69) o-Xylene	10.83	106	803634	51.513	ug/l	100
70) Styrene	10.91	104	1168810	50.955	ug/l	100
71) Bromoform	10.90	173	230989	51.391	ug/l #	100
73) Isopropylbenzene	11.23	105	2075438	48.684	ug/l	100
74) N-amyl acetate	11.46	43	539915	44.642	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.79	83	433815	47.094	ug/l	100
76) 1,2,3-Trichloropropane	11.88	75	278935	47.080	ug/l	100
77) Bromobenzene	11.60	156	502557	48.135	ug/l	100
78) n-propylbenzene	11.69	91	2481128	46.896	ug/l	100
79) 2-Chlorotoluene	11.81	91	1415533	48.844	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	1690827	48.650	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	126319m	40.827	ug/l	
82) 4-Chlorotoluene	11.98	91	1384542	48.205	ug/l	100
83) tert-Butylbenzene	12.21	119	1646180	48.764	ug/l	100
84) 1,2,4-Trimethylbenzene	12.28	105	1583597	47.736	ug/l	100
85) sec-Butylbenzene	12.38	105	2274075	49.299	ug/l	100
86) p-Isopropyltoluene	12.54	119	1801686	47.477	ug/l	100
87) 1,3-Dichlorobenzene	12.54	146	861664	45.965	ug/l	100
88) 1,4-Dichlorobenzene	12.63	146	823024	47.091	ug/l	100
89) n-Butylbenzene	12.91	91	1759326	44.975	ug/l	100
90) Hexachloroethane	12.99	117	464491	51.551	ug/l	100
91) 1,2-Dichlorobenzene	13.01	146	793002	48.180	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.70	75	47575	48.519	ug/l	100

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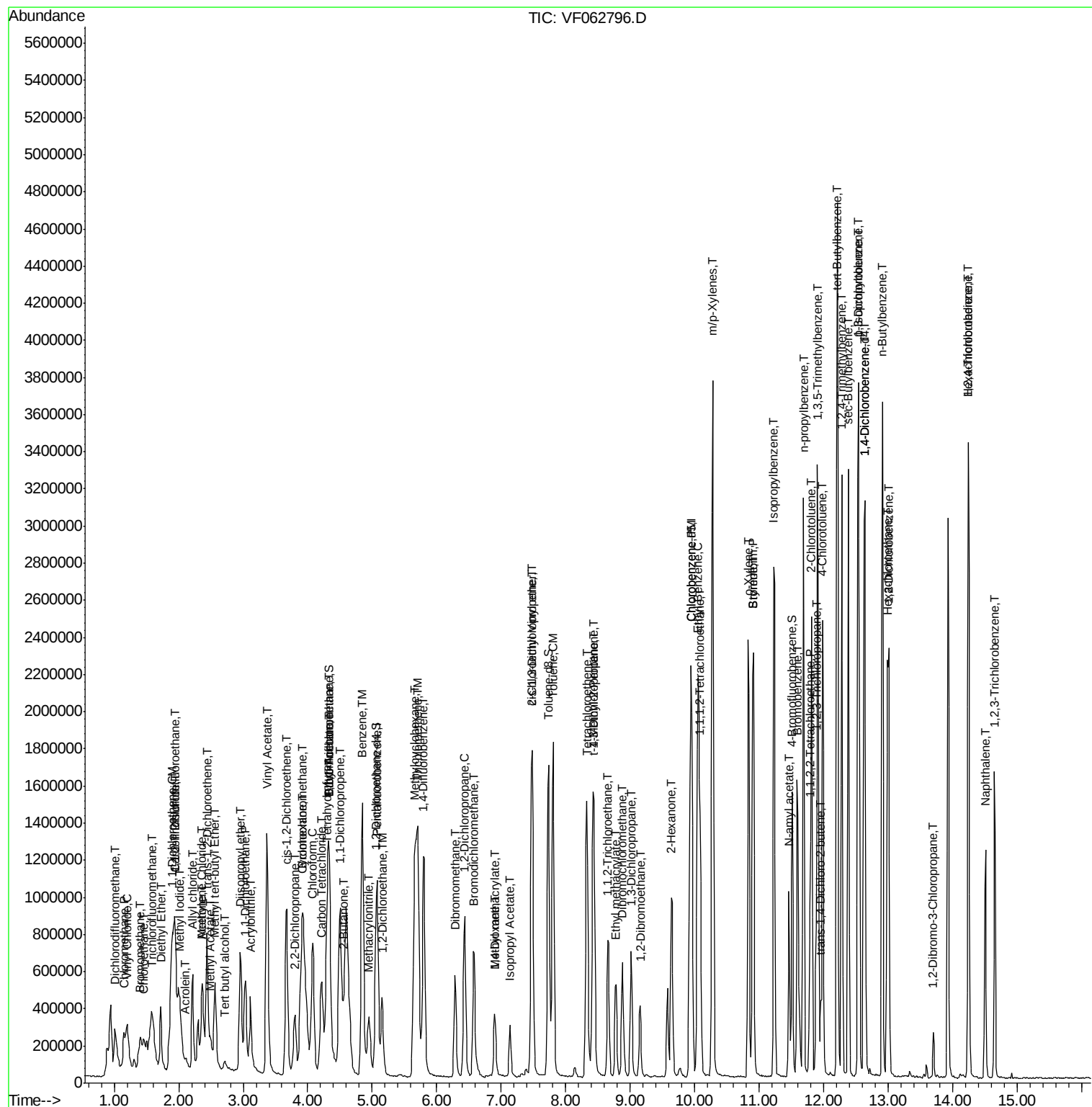
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	550145	49.250	ug/l	100
94) Hexachlorobutadiene	14.24	225	392366	51.121	ug/l	100
95) Naphthalene	14.51	128	908365	51.199	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	497907	50.352	ug/l	100

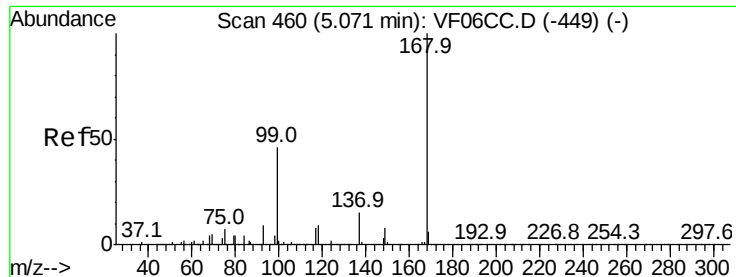
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF053019\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

Instrument :

MSVOA_F

ClientSampleId :

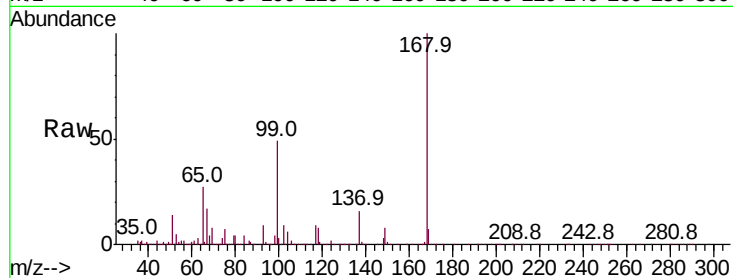
VSTDICCC050

Tot Ion:168 Resp: 895909

Ion Ratio Lower Upper

168 100

99 48.9 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.07

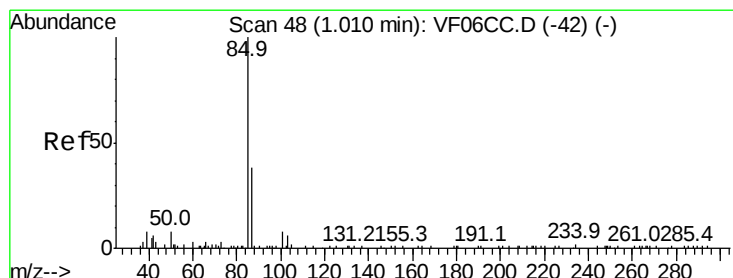
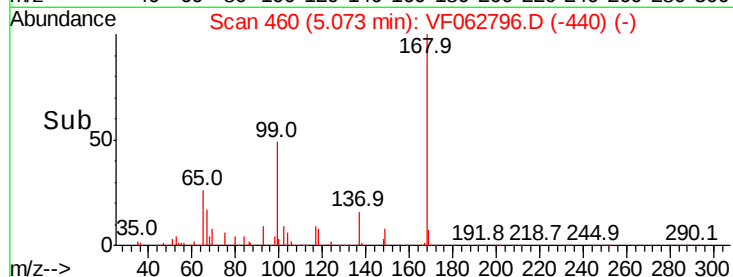
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 40.913 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062796.D

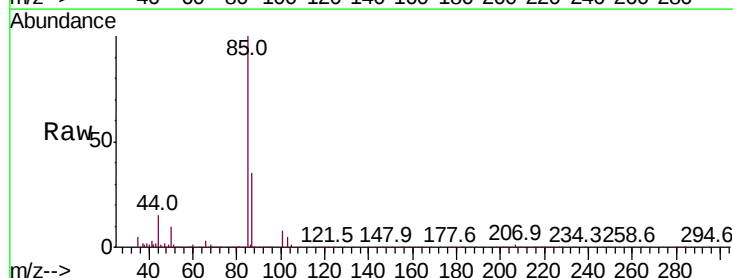
Acq: 30 May 2019 15:31

Tgt Ion: 85 Resp: 527907

Ion Ratio Lower Upper

85 100

87 35.3 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

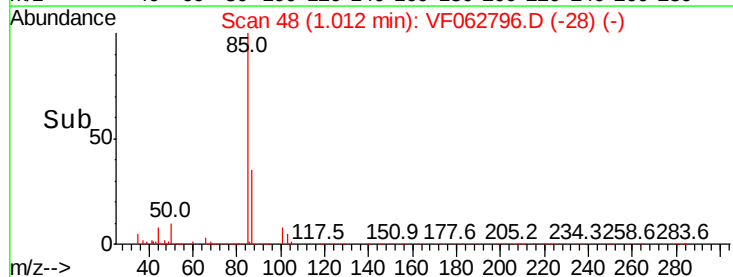
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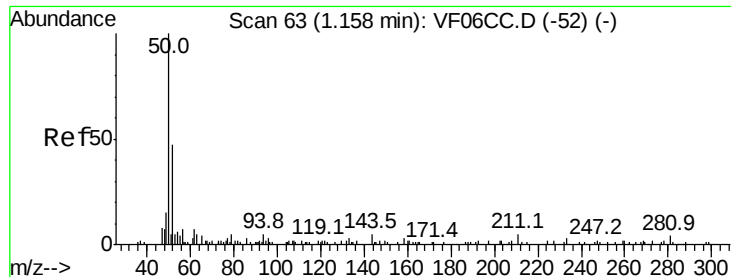
100000

50000

0

Time-->





#3

Chloromethane

Concen: 44.117 ug/l

RT: 1.15 min Scan# 62

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

Instrument :

MSVOA_F

ClientSampleId :

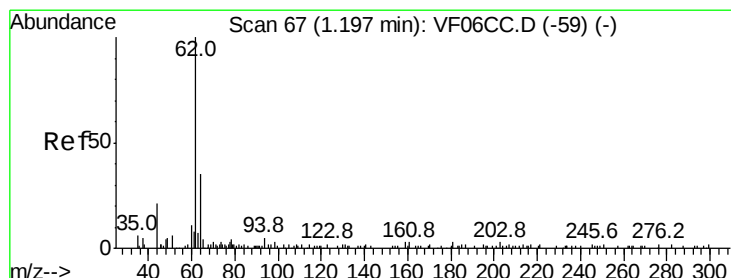
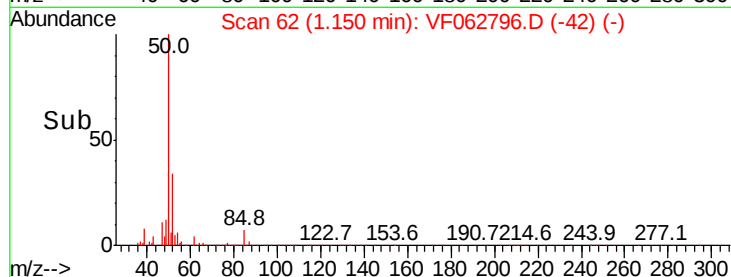
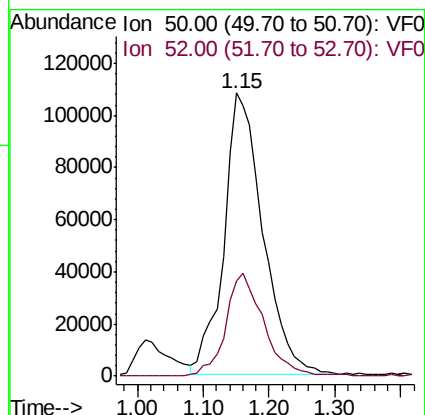
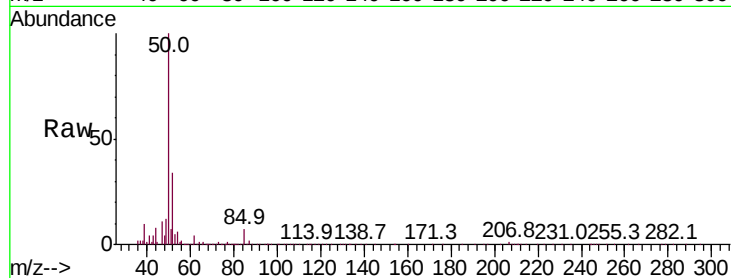
VSTDICCC050

Tot Ion: 50 Resp: 446325

Ion Ratio Lower Upper

50 100

52 33.7 27.0 40.4



#4

Vinyl Chloride

Concen: 46.292 ug/l

RT: 1.20 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062796.D

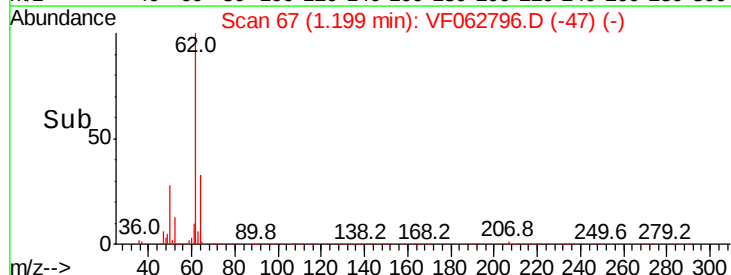
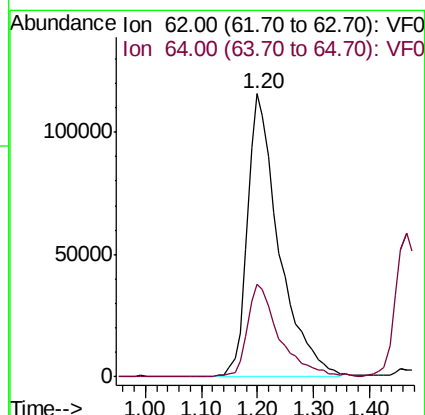
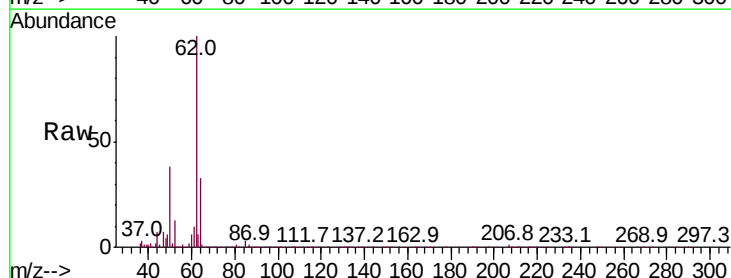
Acq: 30 May 2019 15:31

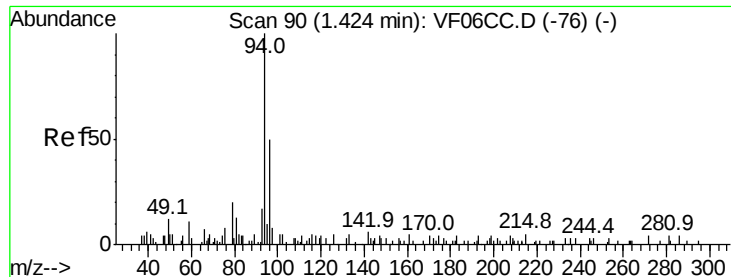
Tgt Ion: 62 Resp: 451199

Ion Ratio Lower Upper

62 100

64 32.7 26.2 39.2





#5

Bromomethane

Concen: 50.416 ug/l

RT: 1.41 min Scan# 88

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

Instrument :

MSVOA_F

ClientSampleId :

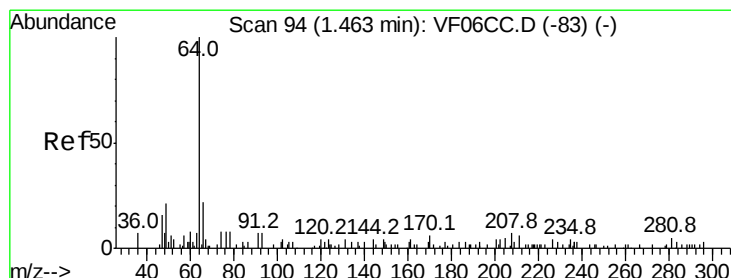
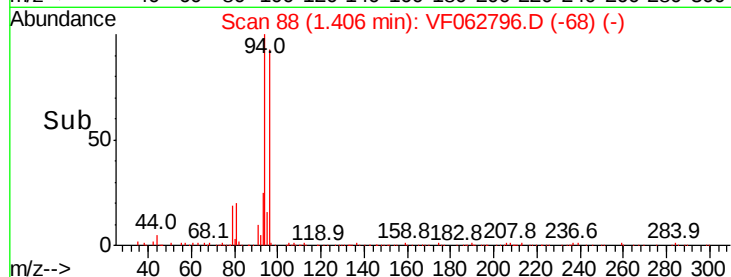
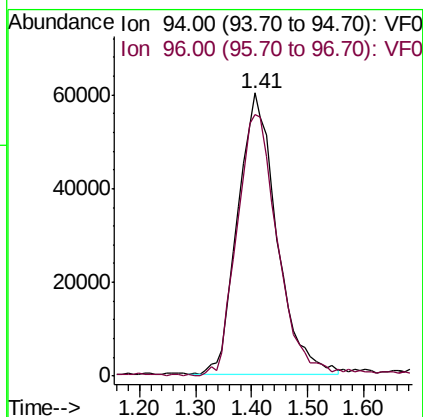
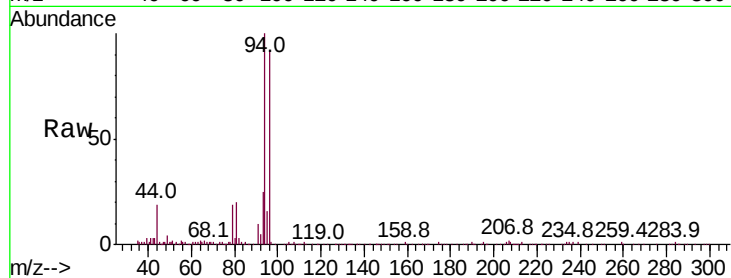
VSTDICCC050

Tot Ion: 94 Resp: 288726

Ion Ratio Lower Upper

94 100

96 92.2 73.8 110.6



#6

Chloroethane

Concen: 51.520 ug/l

RT: 1.47 min Scan# 94

Delta R.T. 0.00 min

Lab File: VF062796.D

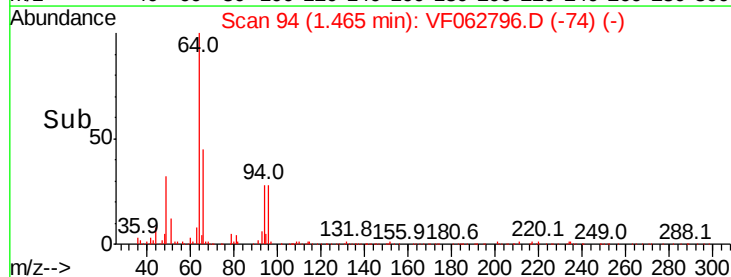
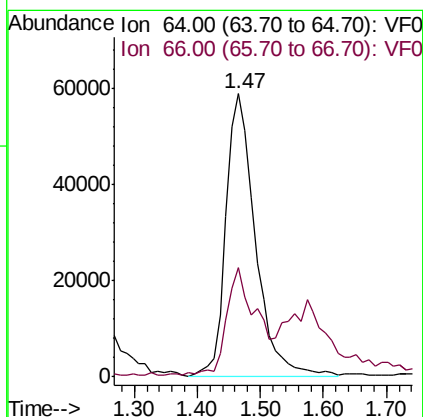
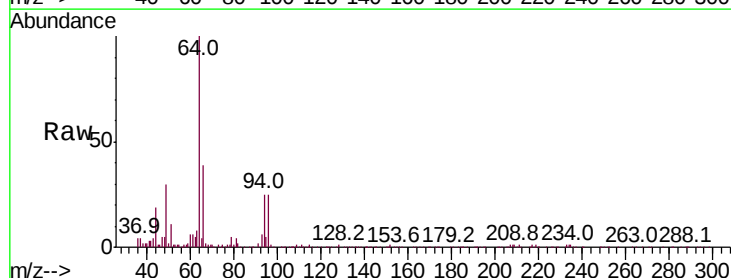
Acq: 30 May 2019 15:31

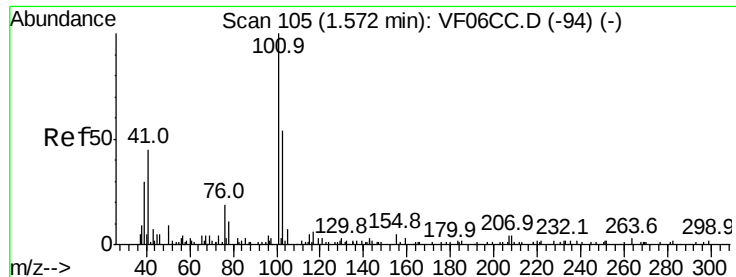
Tgt Ion: 64 Resp: 191437

Ion Ratio Lower Upper

64 100

66 38.7 31.0 46.4



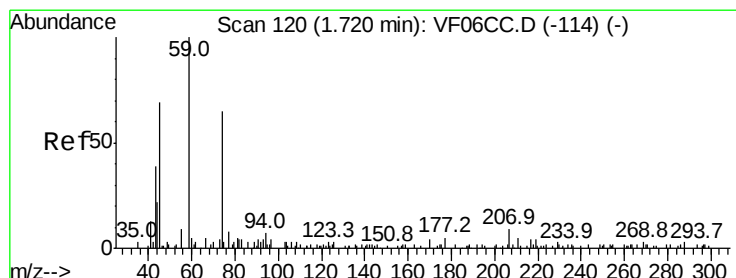
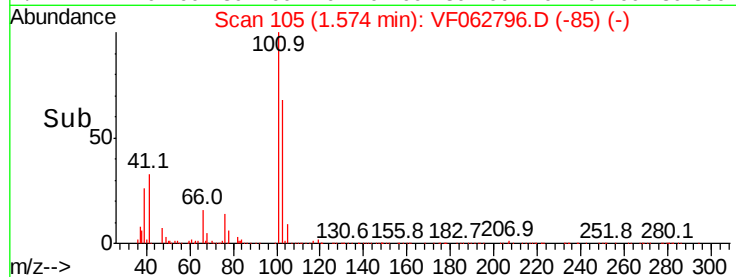
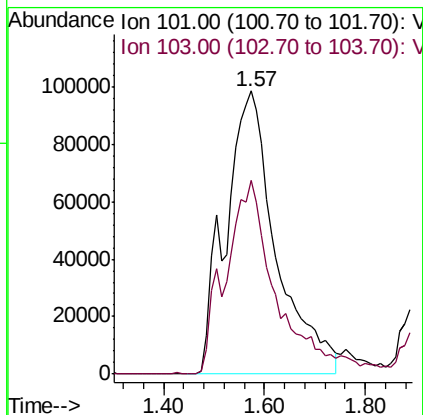
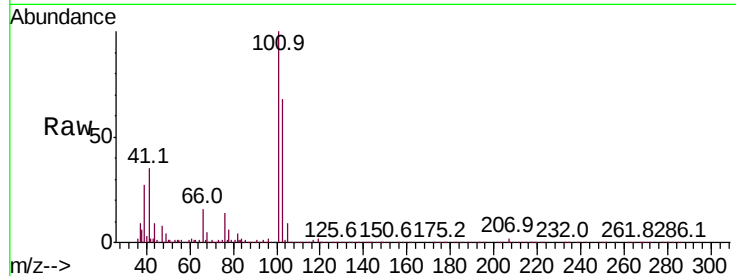


#7

Trichlorofluoromethane
Concen: 49.745 ug/l m
RT: 1.57 min Scan# 105
Delta R.T. 0.00 min
Lab File: VF062796.D
Acq: 30 May 2019 15:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

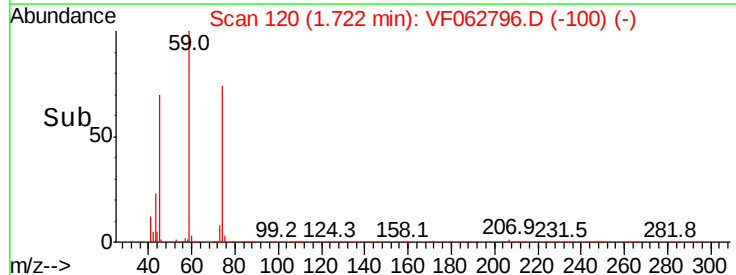
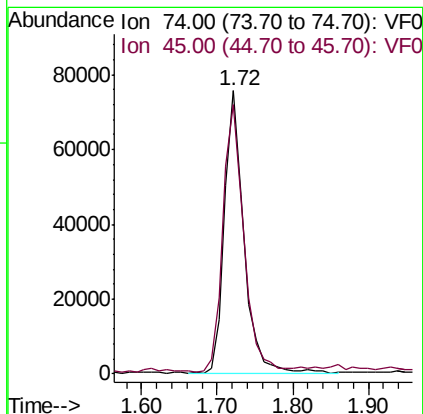
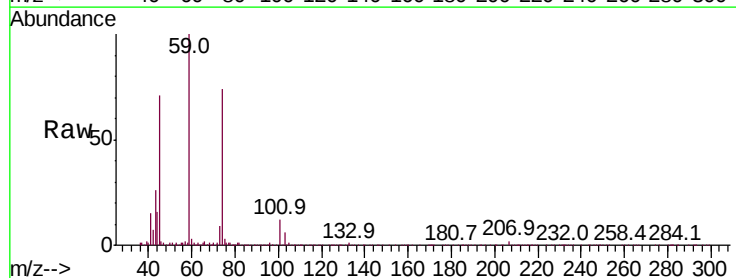
Tot Ion:101 Resp: 682552
Ion Ratio Lower Upper
101 100
103 68.3 54.6 82.0

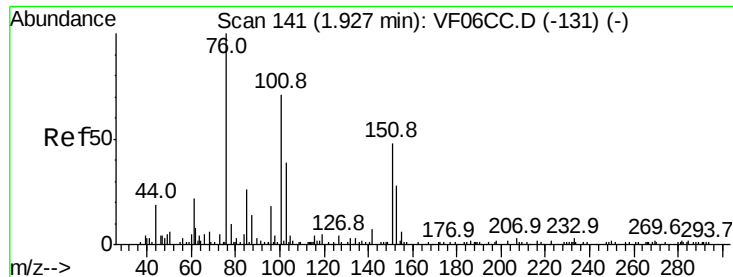


#8

Diethyl Ether
Concen: 48.837 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.00 min
Lab File: VF062796.D
Acq: 30 May 2019 15:31

Tgt Ion: 74 Resp: 135239
Ion Ratio Lower Upper
74 100
45 95.0 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.011 ug/l

RT: 1.94 min Scan# 142

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

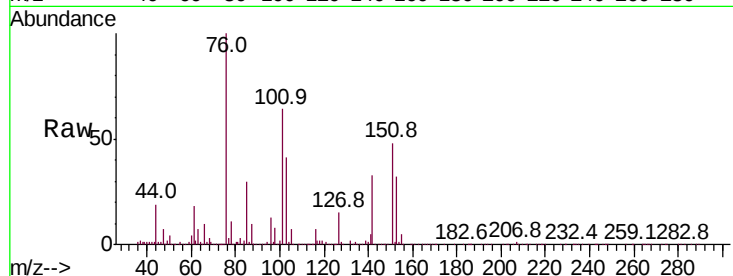
Tot Ion:101 Resp: 409763

Ion Ratio Lower Upper

101 100

85 46.4 37.1 55.7

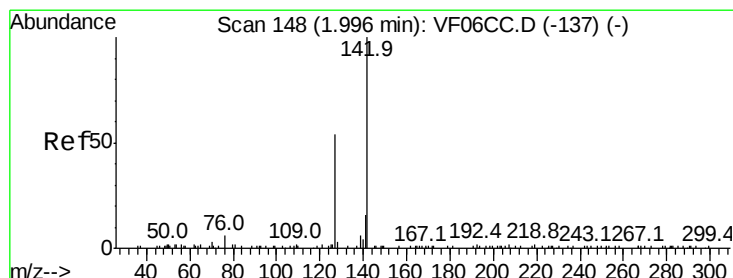
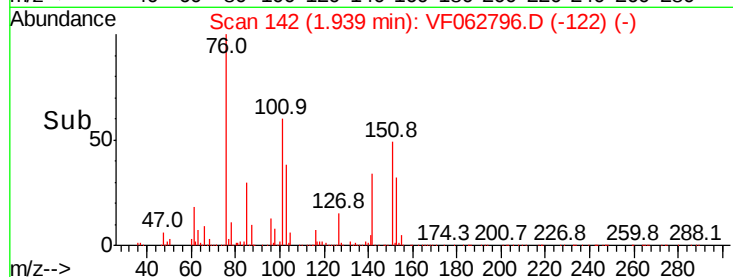
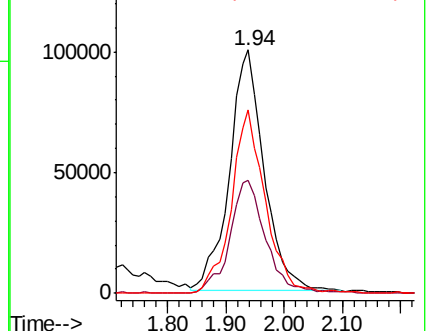
151 75.4 60.3 90.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 47.656 ug/l m

RT: 2.02 min Scan# 150

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

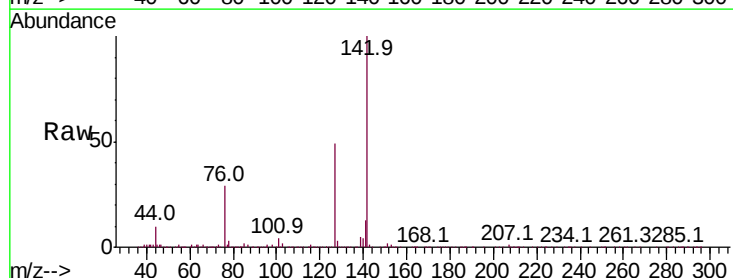
Tgt Ion:142 Resp: 822746

Ion Ratio Lower Upper

142 100

127 49.3 39.4 59.2

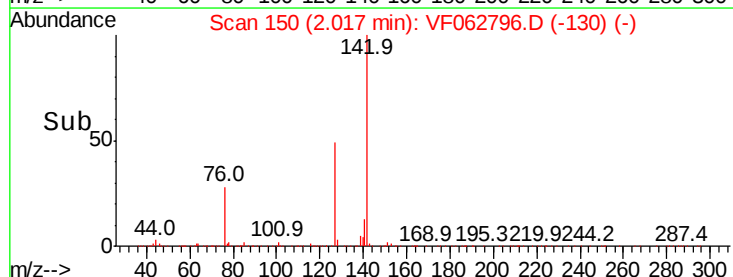
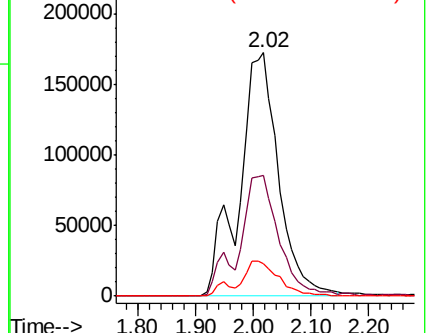
141 13.2 10.6 15.8

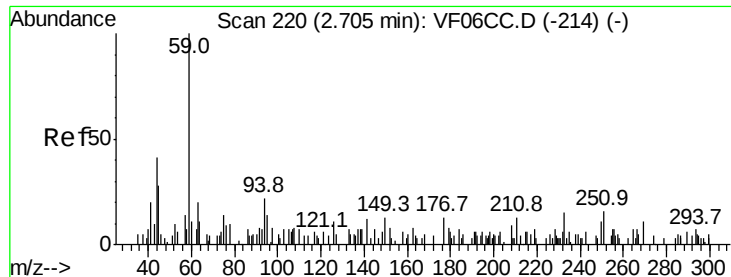


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

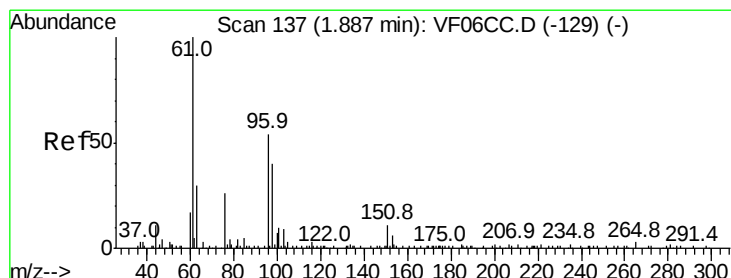
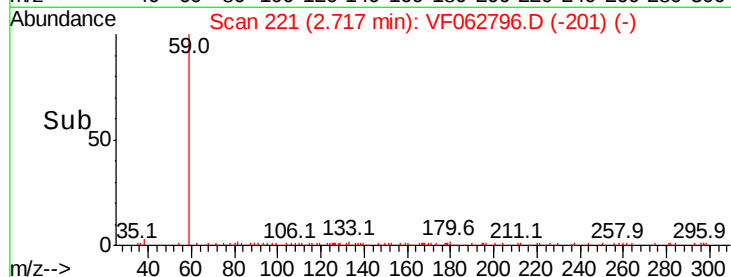
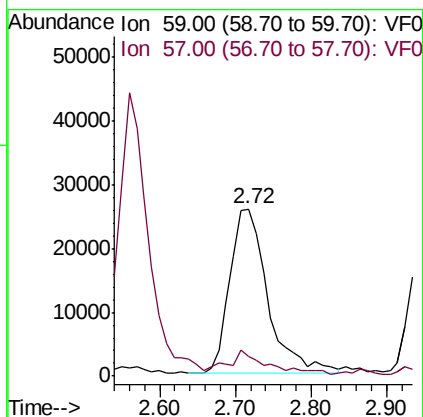
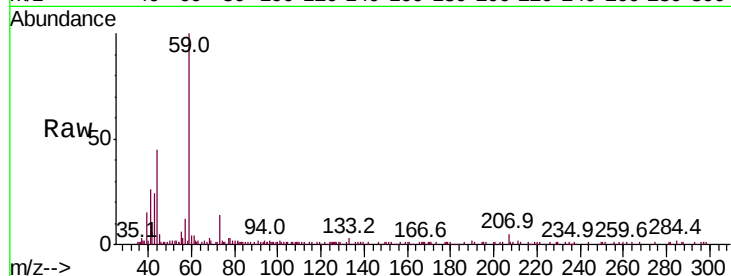




#11
Tert butyl alcohol
Concen: 225.943 ug/l
RT: 2.72 min Scan# 221
Delta R.T. 0.00 min
Lab File: VF062796.D
Acq: 30 May 2019 15:31

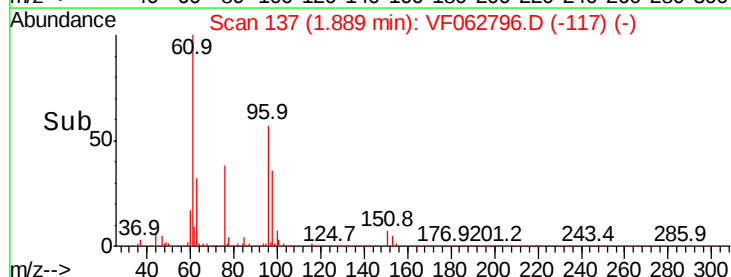
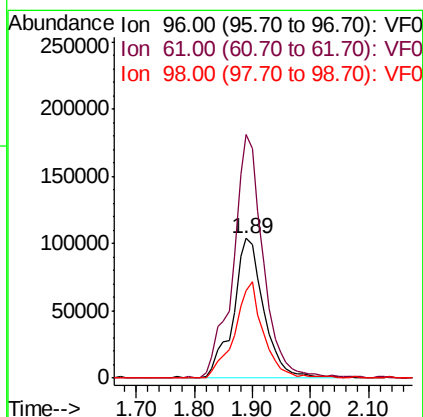
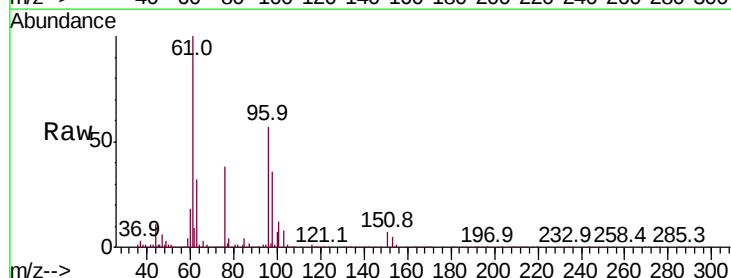
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

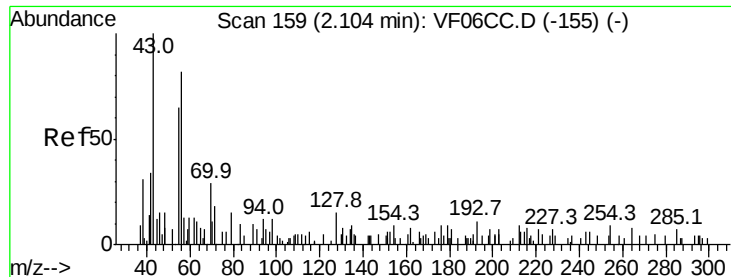
Tot Ion: 59 Resp: 89578
Ion Ratio Lower Upper
59 100
57 11.5 9.2 13.8



#12
1,1-Dichloroethene
Concen: 47.592 ug/l
RT: 1.89 min Scan# 137
Delta R.T. 0.00 min
Lab File: VF062796.D
Acq: 30 May 2019 15:31

Tgt Ion: 96 Resp: 373498
Ion Ratio Lower Upper
96 100
61 174.3 139.4 209.2
98 62.9 50.3 75.5

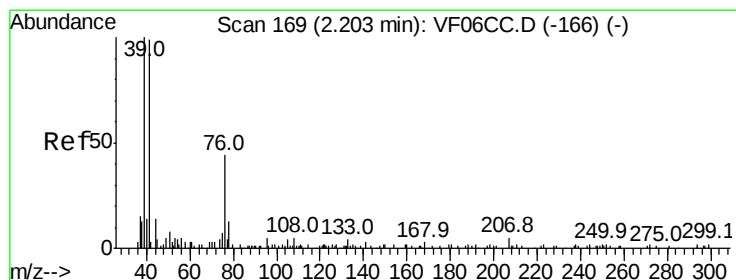
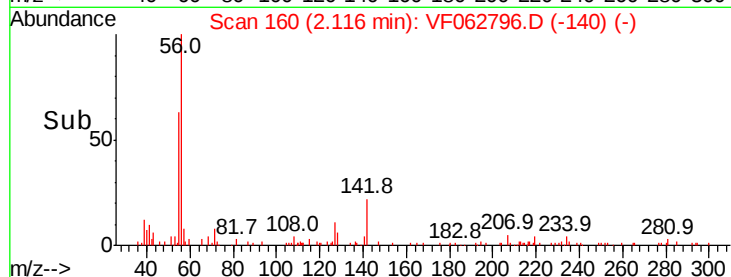
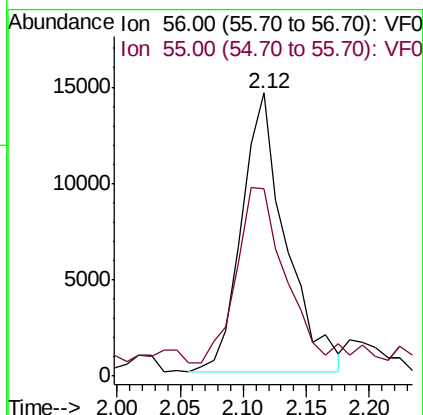
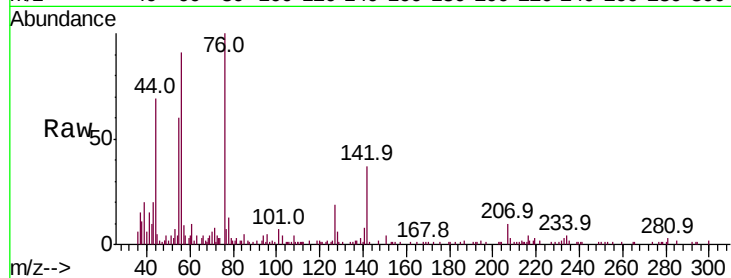




#13
Acrolein
Concen: 232.455 ug/l
RT: 2.12 min Scan# 160
Delta R.T. 0.00 min
Lab File: VF062796.D
Acq: 30 May 2019 15:31

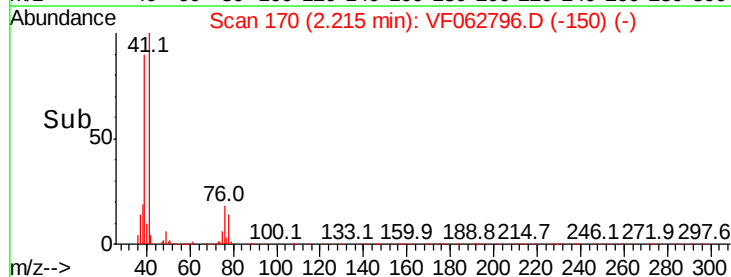
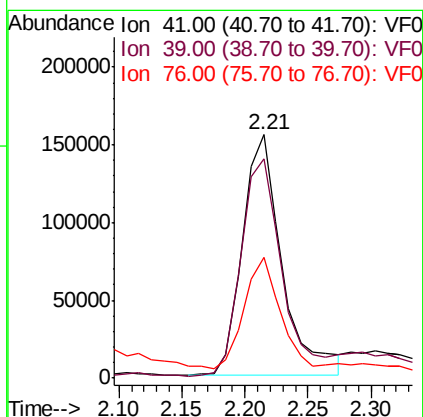
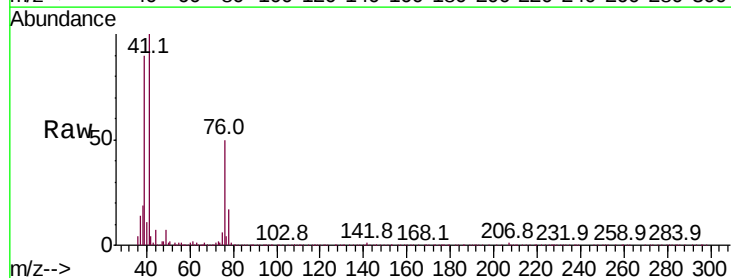
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

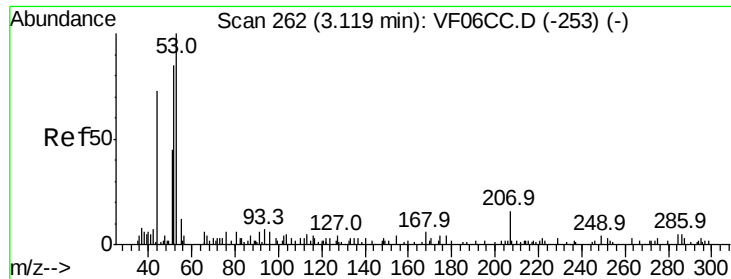
Tot Ion: 56 Resp: 35501
Ion Ratio Lower Upper
56 100
55 66.1 52.9 79.3



#14
Allyl chloride
Concen: 58.518 ug/l
RT: 2.21 min Scan# 170
Delta R.T. 0.00 min
Lab File: VF062796.D
Acq: 30 May 2019 15:31

Tgt Ion: 41 Resp: 335496
Ion Ratio Lower Upper
41 100
39 89.9 71.9 107.9
76 49.5 39.6 59.4





#15

Acrylonitrile

Concen: 250.317 ug/l

RT: 3.11 min Scan# 261

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

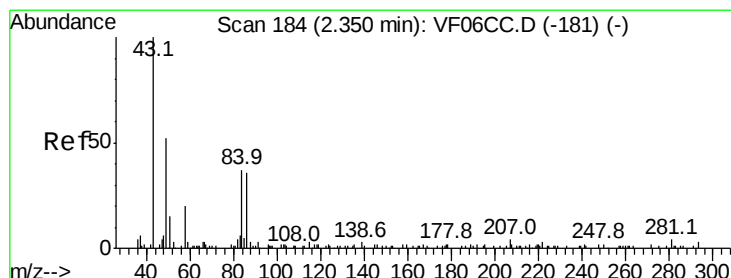
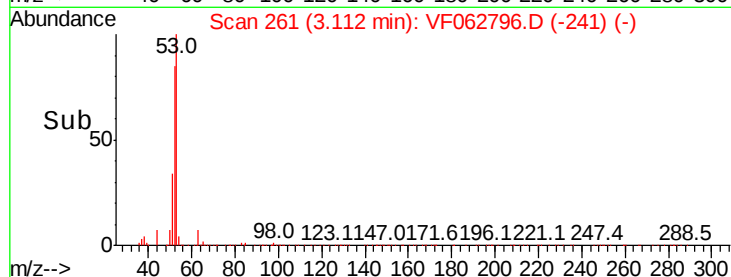
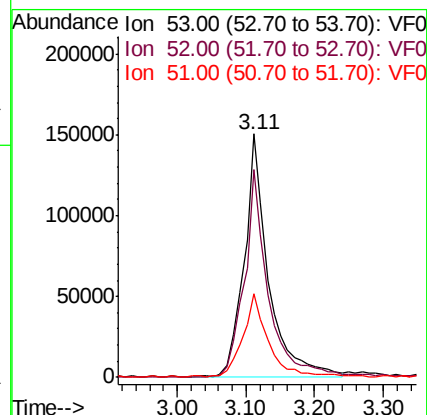
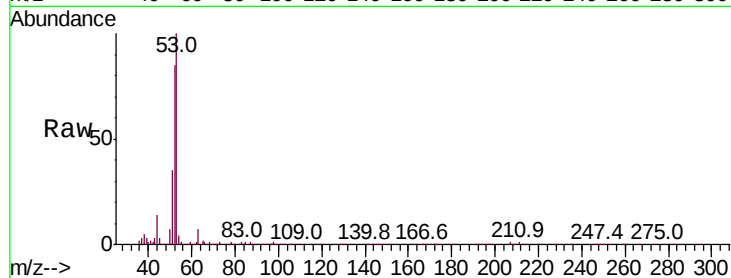
Tot Ion: 53 Resp: 368759

Ion Ratio Lower Upper

53 100

52 85.1 68.1 102.1

51 34.6 27.7 41.5



#16

Acetone

Concen: 256.298 ug/l

RT: 2.36 min Scan# 185

Delta R.T. 0.00 min

Lab File: VF062796.D

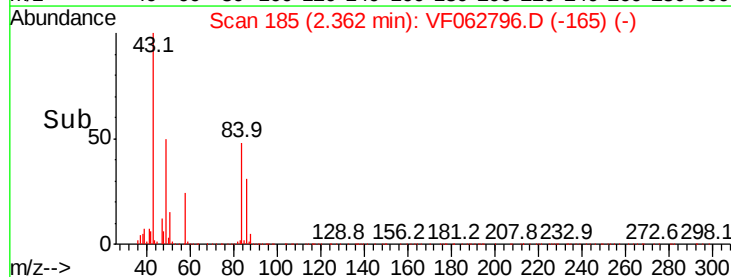
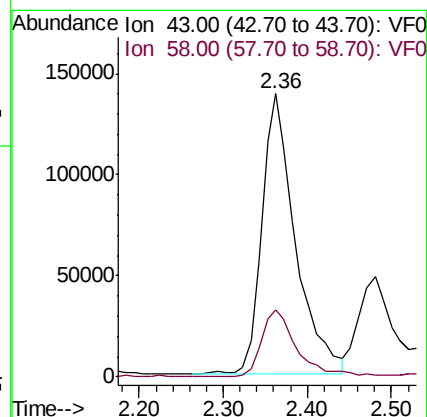
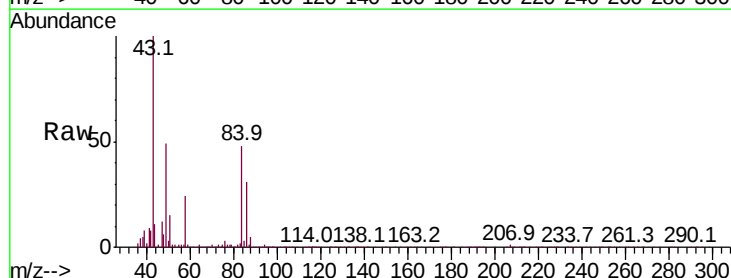
Acq: 30 May 2019 15:31

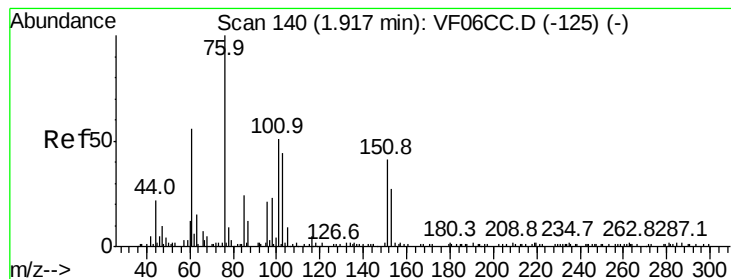
Tgt Ion: 43 Resp: 385405

Ion Ratio Lower Upper

43 100

58 23.7 19.0 28.4





#17

Carbon Disulfide

Concen: 63.953 ug/l

RT: 1.93 min Scan# 141

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

Instrument :

MSVOA_F

ClientSampleId :

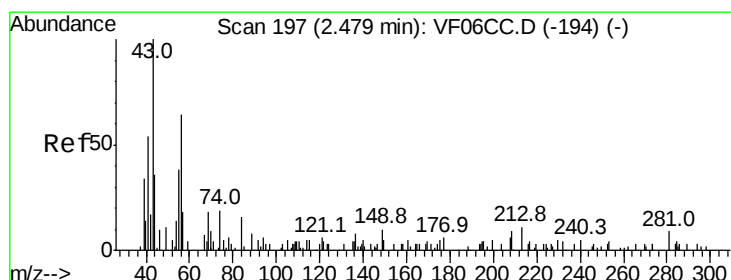
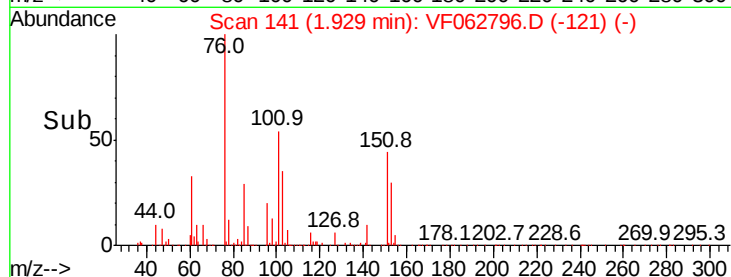
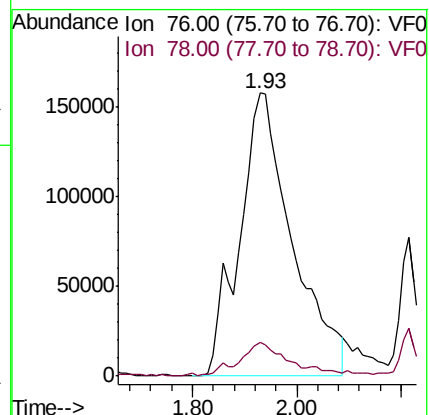
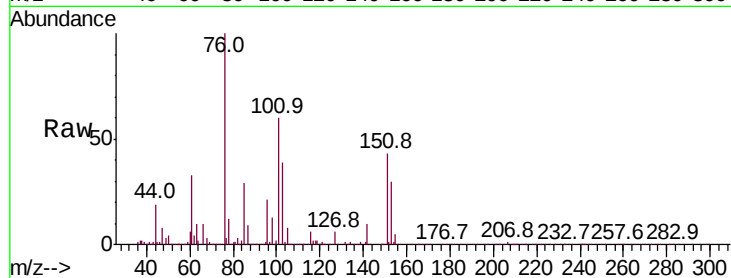
VSTDICCC050

Tot Ion: 76 Resp: 1100048

Ion Ratio Lower Upper

76 100

78 11.8 9.4 14.2



#18

Methyl Acetate

Concen: 41.921 ug/l

RT: 2.48 min Scan# 197

Delta R.T. 0.00 min

Lab File: VF062796.D

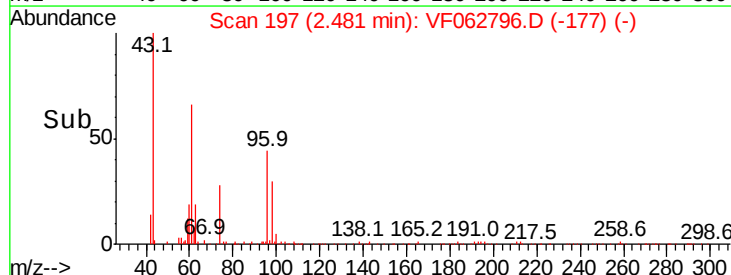
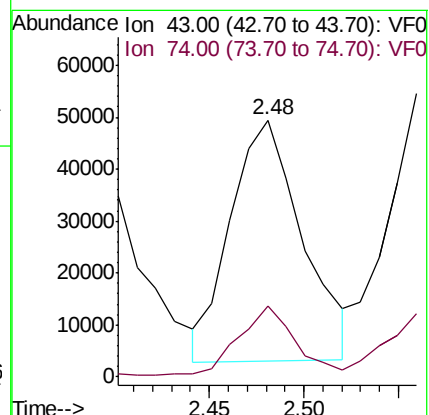
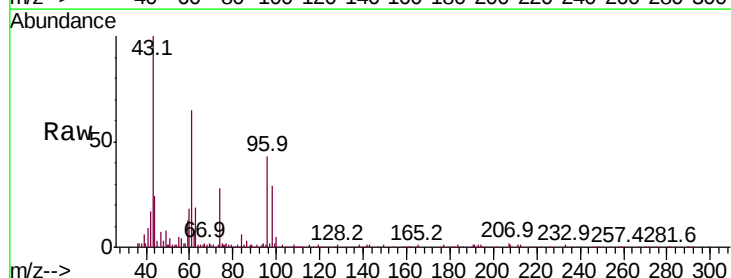
Acq: 30 May 2019 15:31

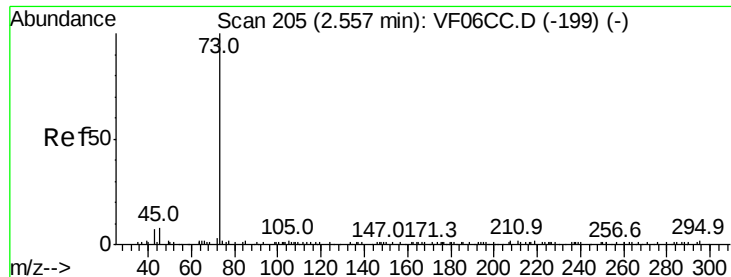
Tgt Ion: 43 Resp: 122504

Ion Ratio Lower Upper

43 100

74 27.6 22.1 33.1

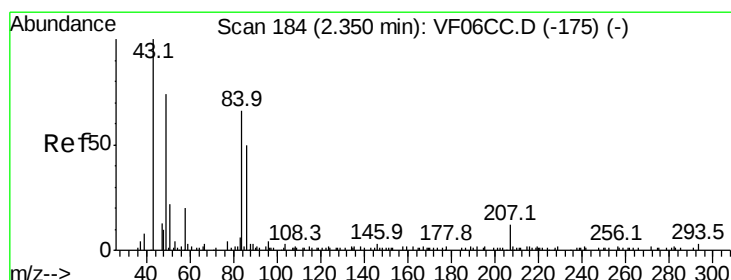
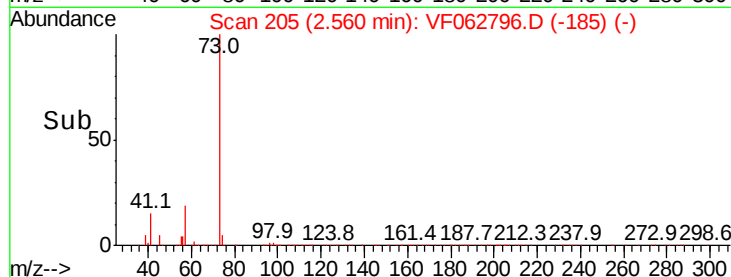
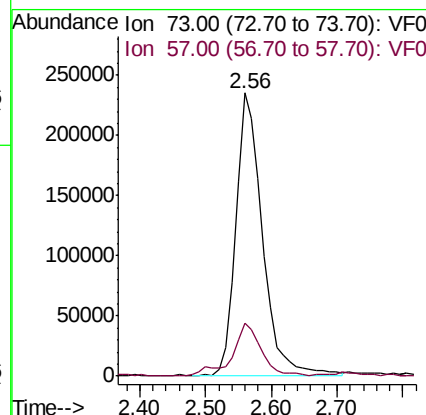
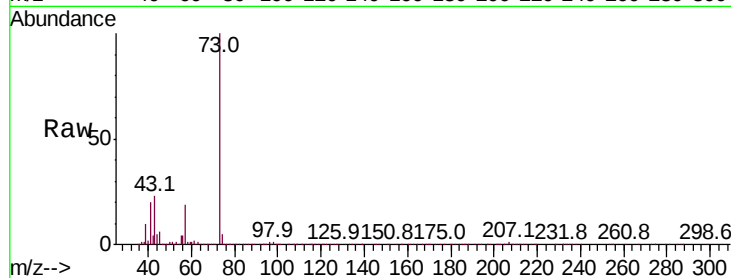




#19
Methvl tert-butvl Ether
Concen: 46.650 ug/l
RT: 2.56 min Scan# 205
Delta R.T. 0.00 min
Lab File: VF062796.D
Acq: 30 May 2019 15:31

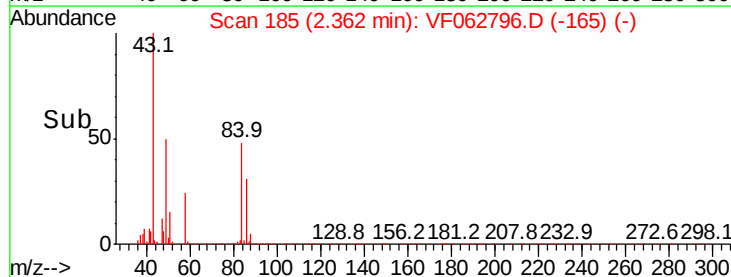
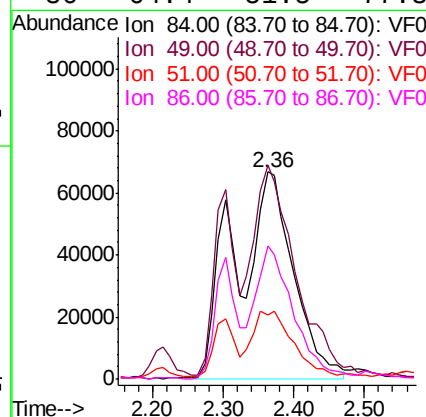
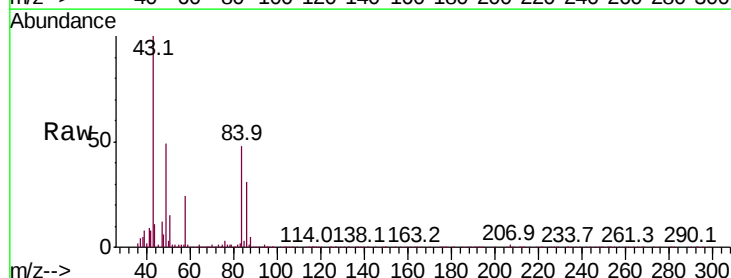
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

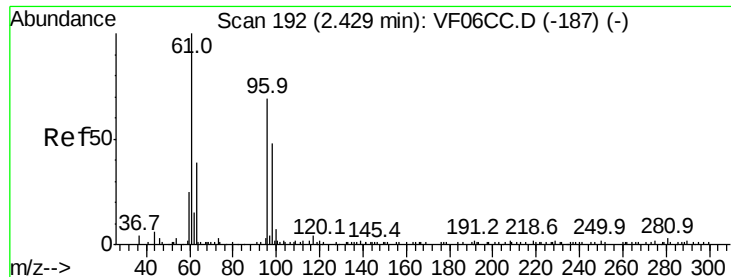
Tot Ion: 73 Resp: 664976
Ion Ratio Lower Upper
73 100
57 18.9 15.1 22.7



#20
Methylene Chloride
Concen: 43.089 ug/l m
RT: 2.36 min Scan# 185
Delta R.T. 0.00 min
Lab File: VF062796.D
Acq: 30 May 2019 15:31

Tgt Ion: 84 Resp: 381514
Ion Ratio Lower Upper
84 100
49 103.2 82.6 123.8
51 31.2 25.0 37.4
86 64.4 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 49.379 ug/l

RT: 2.44 min Scan# 193

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

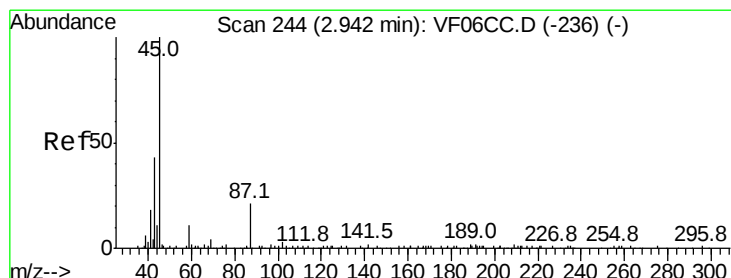
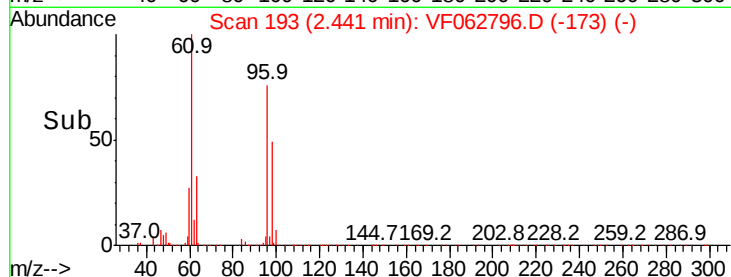
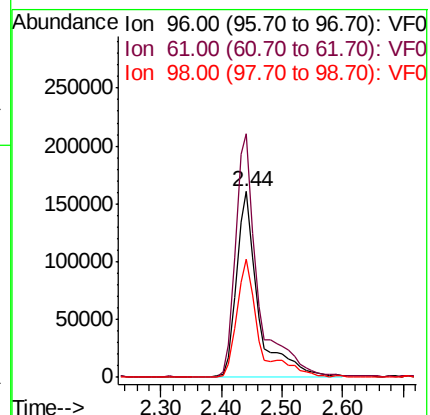
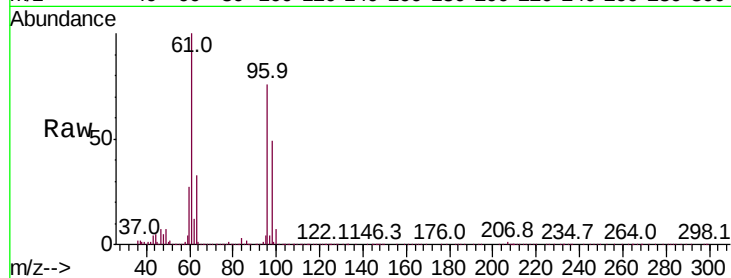
Tot Ion: 96 Resp: 404068

Ion Ratio Lower Upper

96 100

61 131.3 105.0 157.6

98 63.9 51.1 76.7



#22

Diisopropyl ether

Concen: 49.192 ug/l

RT: 2.95 min Scan# 245

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

Tgt Ion: 45 Resp: 828745

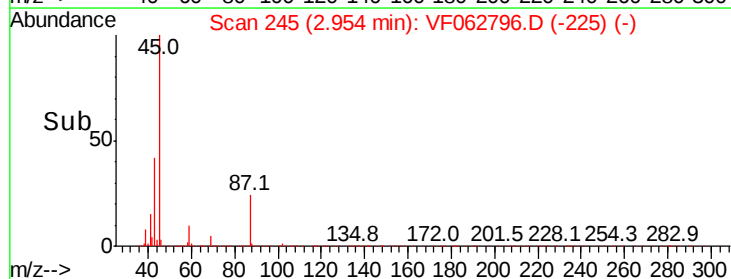
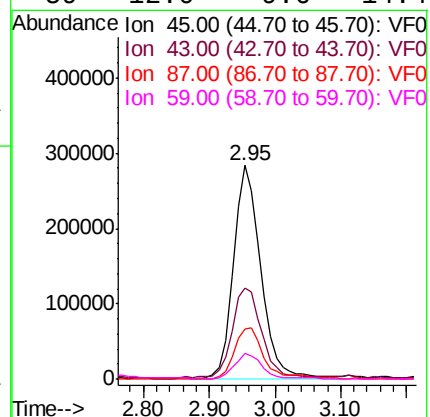
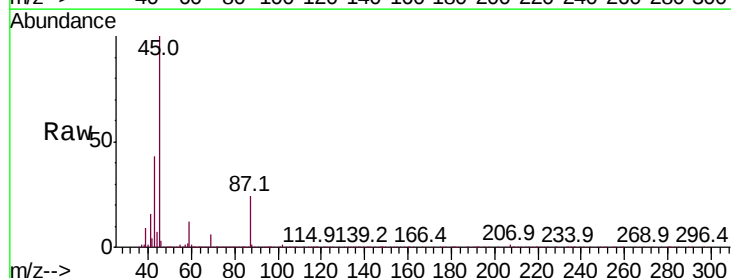
Ion Ratio Lower Upper

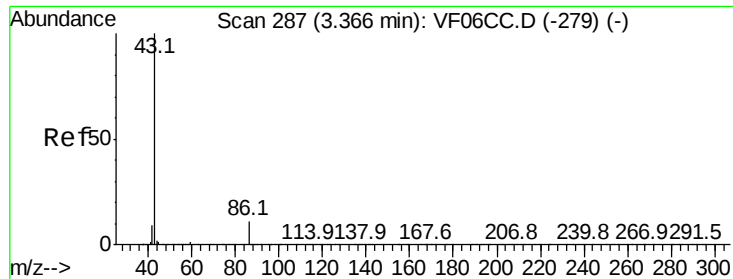
45 100

43 42.9 34.3 51.5

87 23.7 19.0 28.4

59 12.0 9.6 14.4





#23

Vinyl Acetate

Concen: 234.697 ug/l

RT: 3.37 min Scan# 287

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

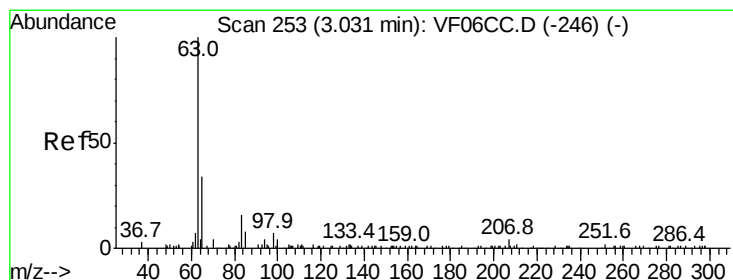
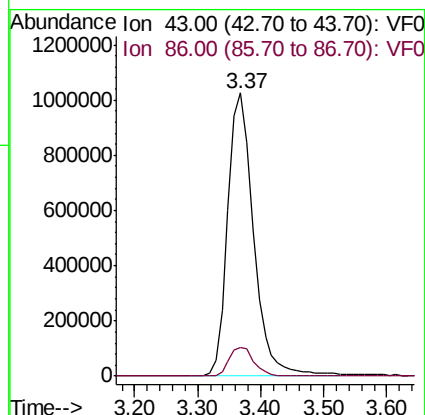
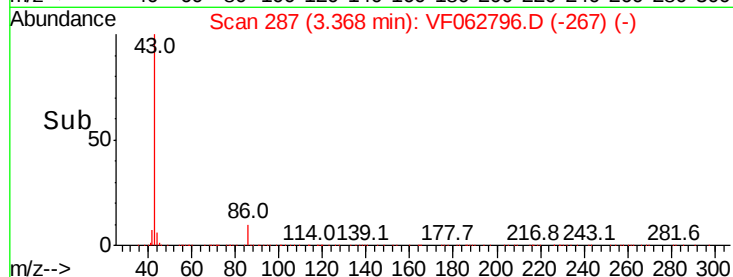
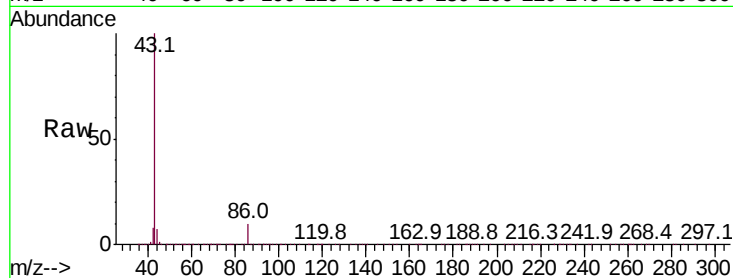
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 2910988

Ion Ratio Lower Upper

43 100

86 10.2 8.2 12.2



#24

1,1-Dichloroethane

Concen: 50.036 ug/l

RT: 3.03 min Scan# 253

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

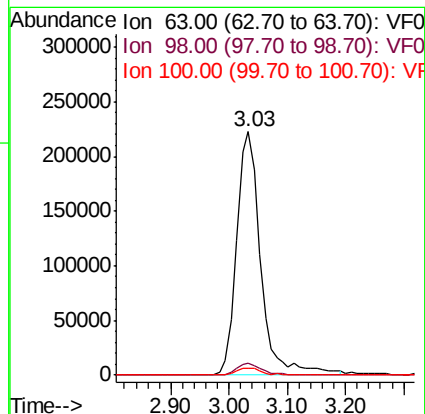
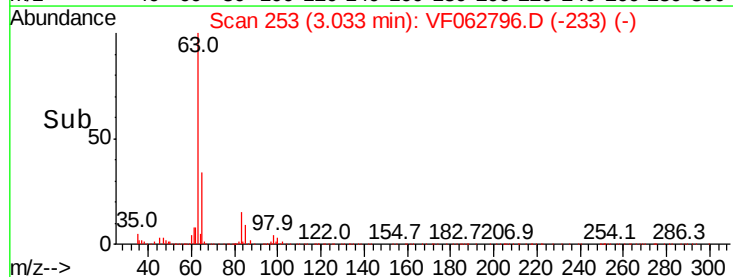
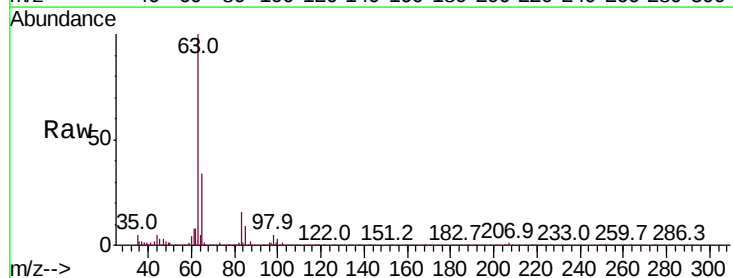
Tgt Ion: 63 Resp: 639049

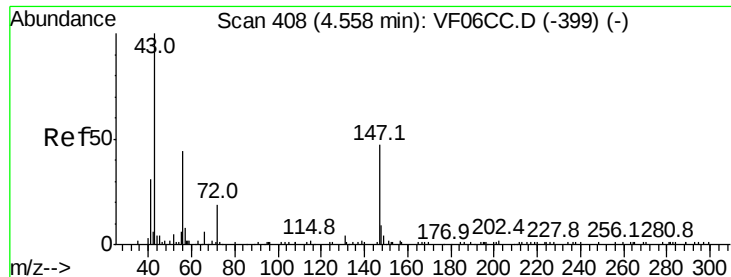
Ion Ratio Lower Upper

63 100

98 4.7 2.4 7.1

100 3.0 1.5 4.5





#25

2-Butanone

Concen: 228.229 ug/l

RT: 4.55 min Scan# 407

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

Instrument :

MSVOA_F

ClientSampleId :

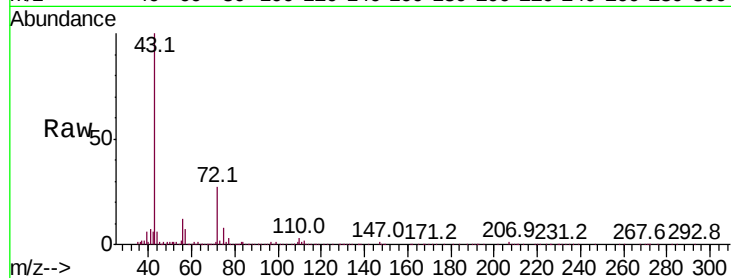
VSTDICCC050

Tot Ion: 43 Resp: 815246

Ion Ratio Lower Upper

43 100

72 26.7 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

4.55

200000

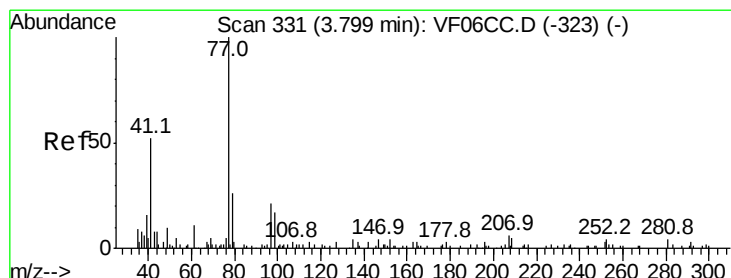
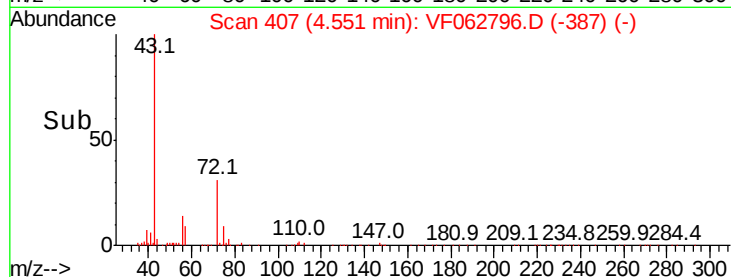
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 47.088 ug/l

RT: 3.80 min Scan# 331

Delta R.T. 0.00 min

Lab File: VF062796.D

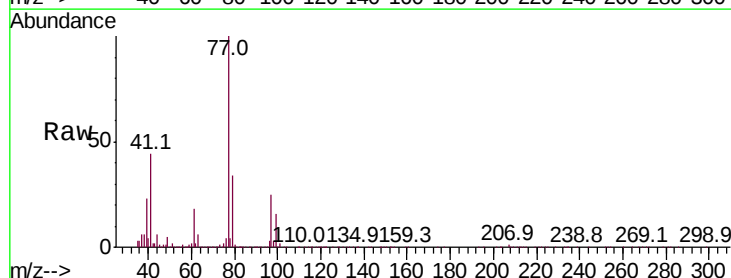
Acq: 30 May 2019 15:31

Tgt Ion: 77 Resp: 355531

Ion Ratio Lower Upper

77 100

97 24.9 12.4 37.4



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

120000

100000

80000

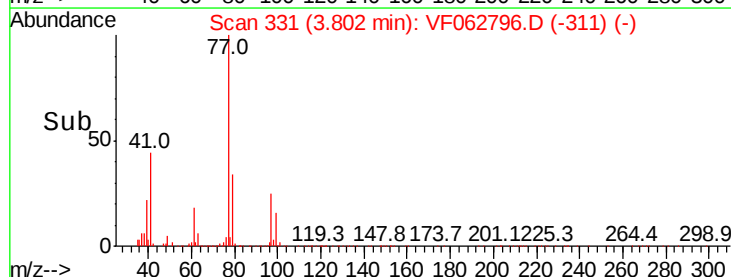
60000

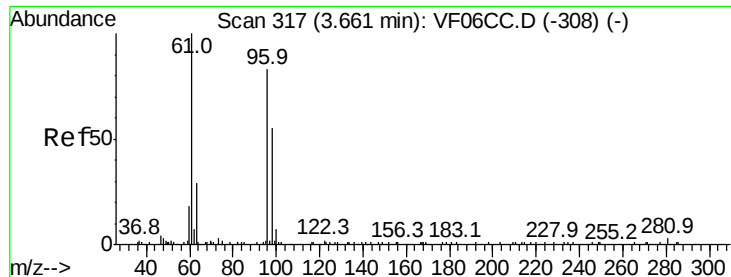
40000

20000

0

Time-->



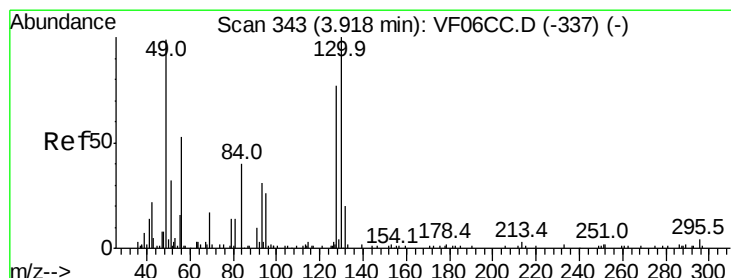
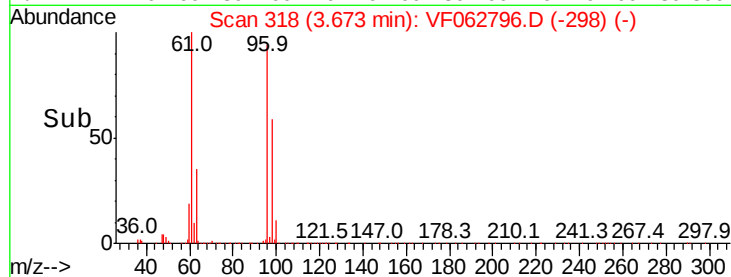
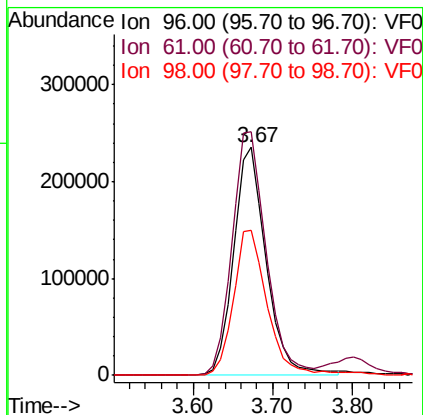
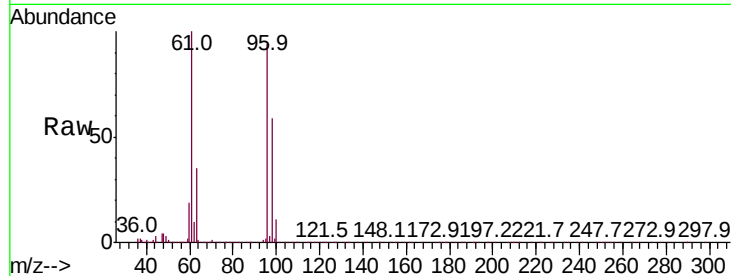


#27

cis-1,2-Dichloroethene
 Concen: 50.297 ug/l
 RT: 3.67 min Scan# 318
 Delta R.T. 0.00 min
 Lab File: VF062796.D
 Acq: 30 May 2019 15:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

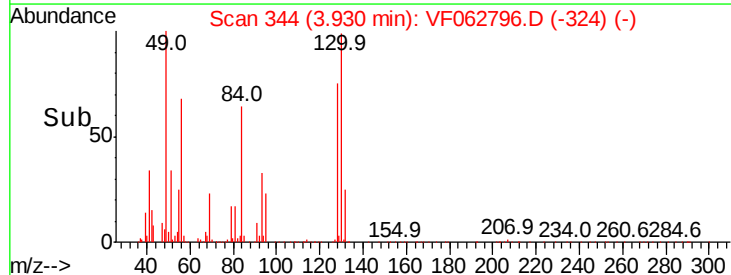
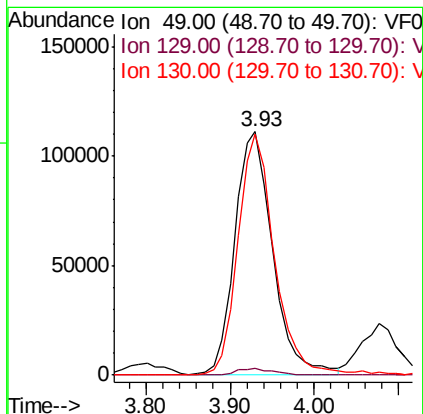
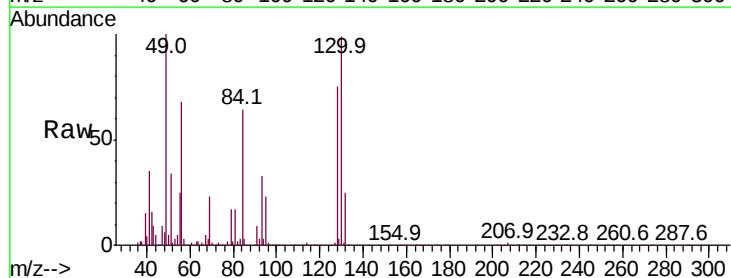
Tot Ion	Ratio	Lower	Upper
96	100		
61	106.9	0.0	213.8
98	63.5	0.0	127.0

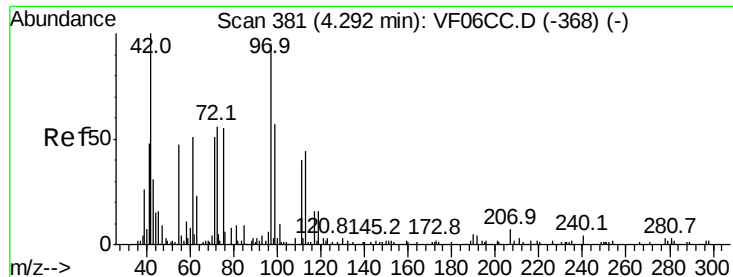


#28

Bromochloromethane
 Concen: 47.872 ug/l
 RT: 3.93 min Scan# 344
 Delta R.T. 0.00 min
 Lab File: VF062796.D
 Acq: 30 May 2019 15:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.4
130	99.0	79.2	118.8

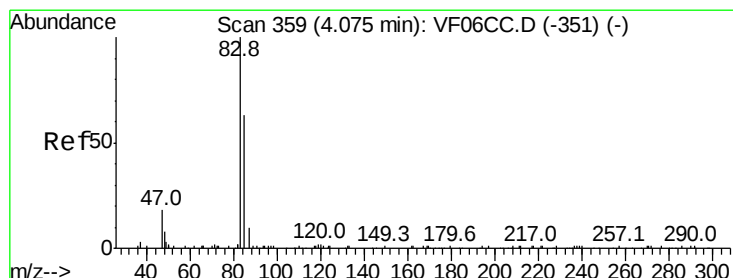
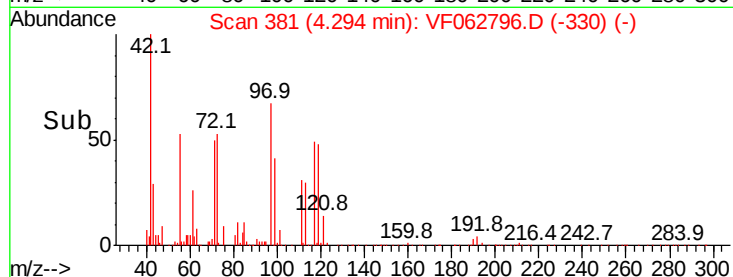
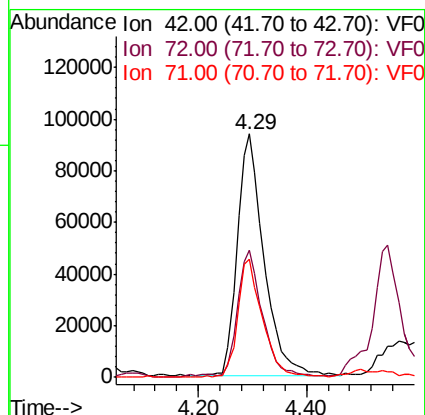
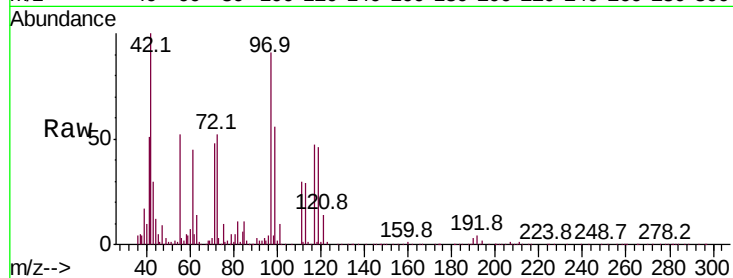




#29
Tetrahydrofuran
Concen: 242.622 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF062796.D
Acq: 30 May 2019 15:31

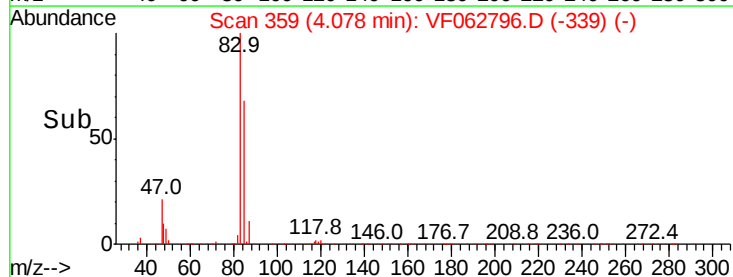
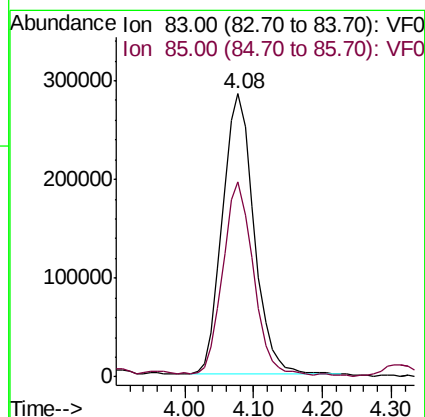
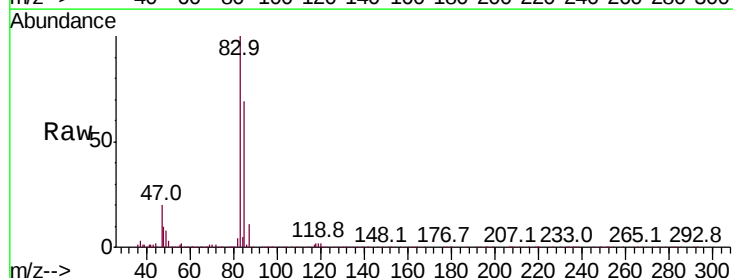
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

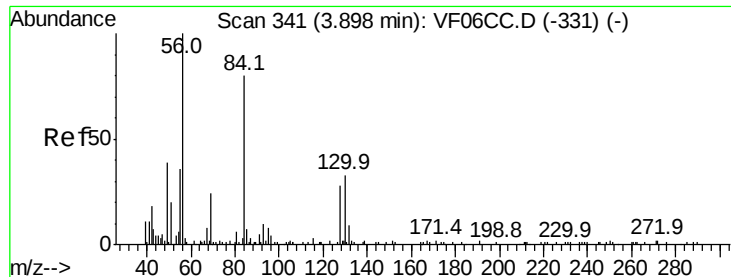
Tot Ion: 42 Resp: 320186
Ion Ratio Lower Upper
42 100
72 48.8 39.0 58.6
71 46.1 36.9 55.3



#30
Chloroform
Concen: 48.070 ug/l
RT: 4.08 min Scan# 359
Delta R.T. 0.00 min
Lab File: VF062796.D
Acq: 30 May 2019 15:31

Tgt Ion: 83 Resp: 897902
Ion Ratio Lower Upper
83 100
85 68.8 55.0 82.6

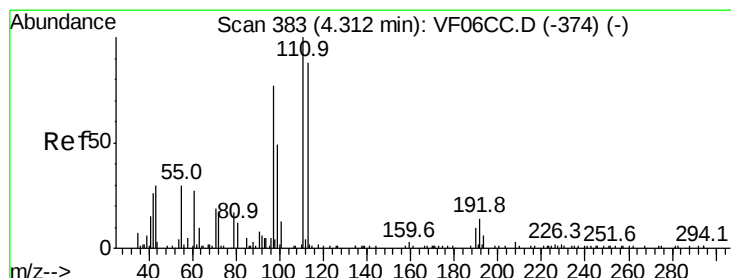
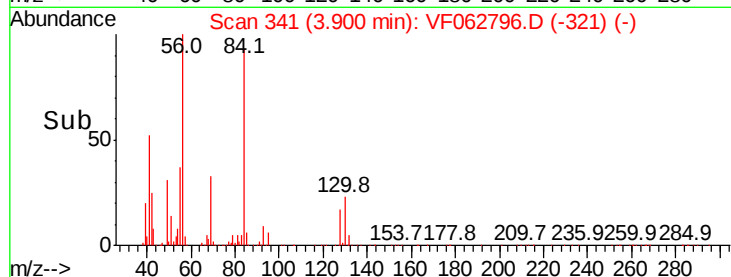
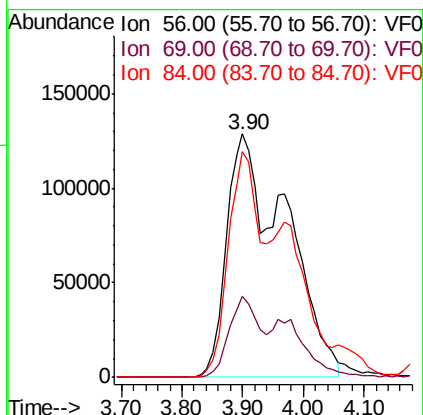
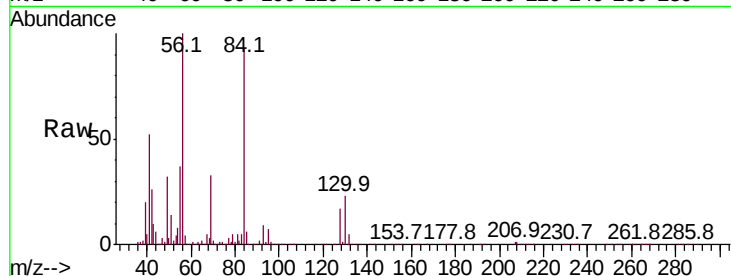




#31
Cyclohexane
Concen: 48.947 ug/l m
RT: 3.90 min Scan# 341
Delta R.T. 0.00 min
Lab File: VF062796.D
Acq: 30 May 2019 15:31

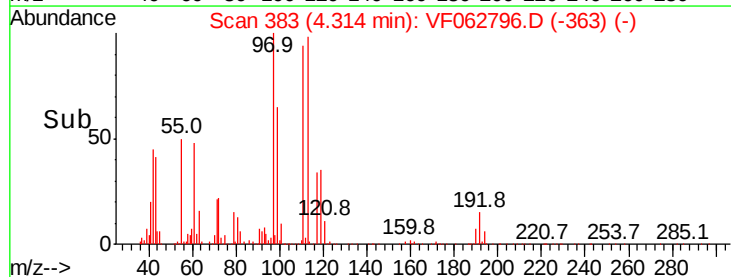
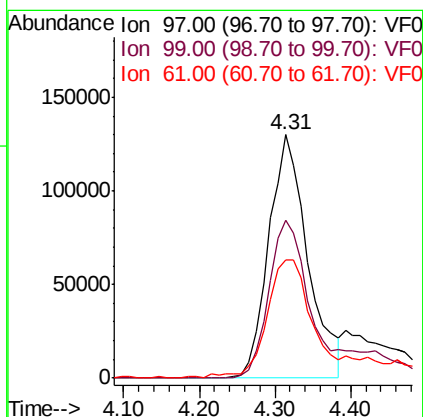
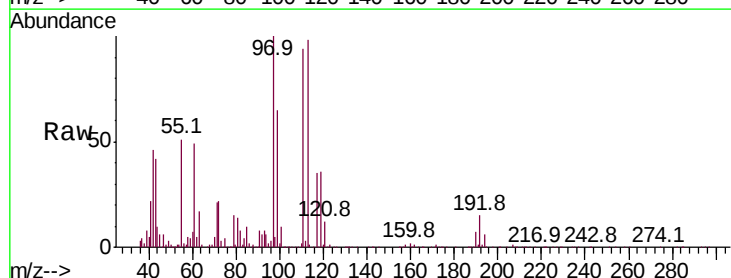
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

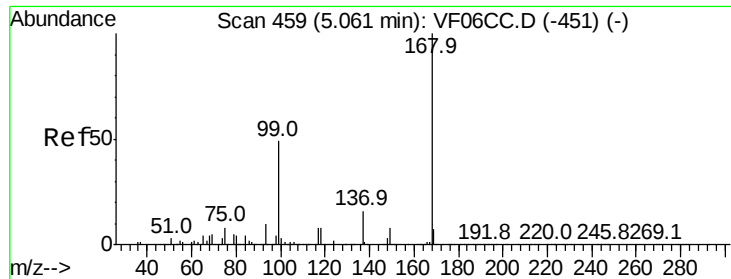
Tot Ion: 56 Resp: 868915
Ion Ratio Lower Upper
56 100
69 33.4 26.7 40.1
84 92.9 74.3 111.5



#32
1,1,1-Trichloroethane
Concen: 45.331 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.00 min
Lab File: VF062796.D
Acq: 30 May 2019 15:31

Tgt Ion: 97 Resp: 468179
Ion Ratio Lower Upper
97 100
99 64.6 51.7 77.5
61 48.6 38.9 58.3





#33

1,2-Dichloroethane-d4

Concen: 51.873 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

Instrument :

MSVOA_F

ClientSampleId :

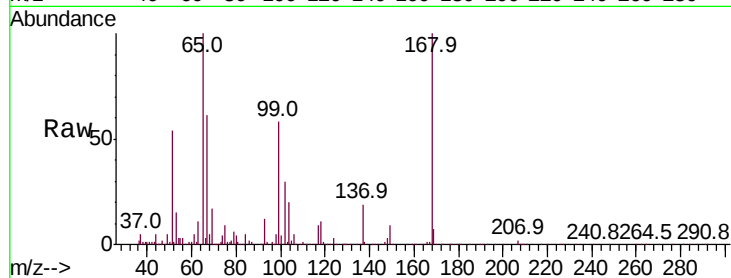
VSTDICCC050

Tot Ion: 65 Resp: 335377

Ion Ratio Lower Upper

65 100

67 60.6 0.0 121.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

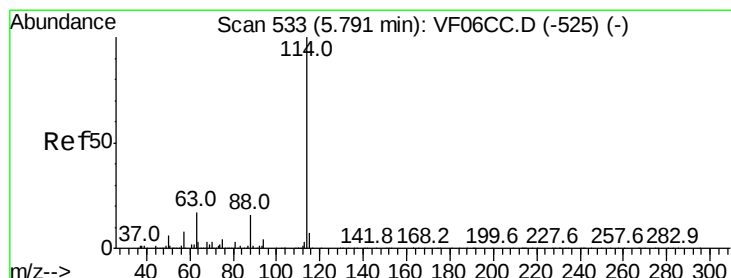
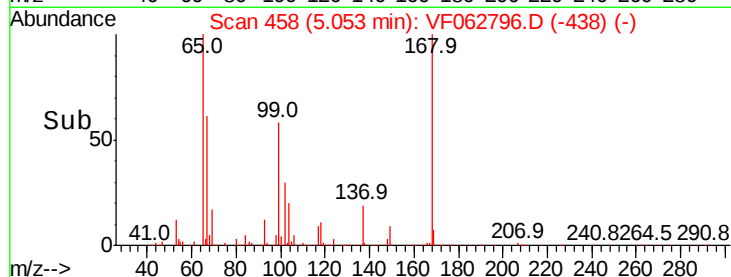
5.05

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.80 min Scan# 534

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

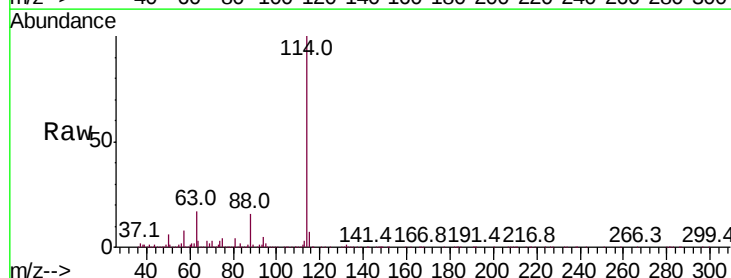
Tgt Ion: 114 Resp: 1501506

Ion Ratio Lower Upper

114 100

63 17.1 0.0 34.2

88 15.6 0.0 31.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

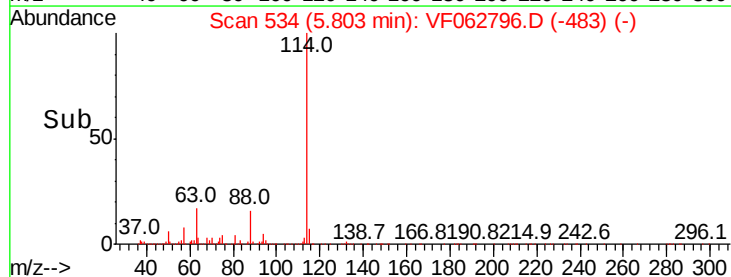
600000

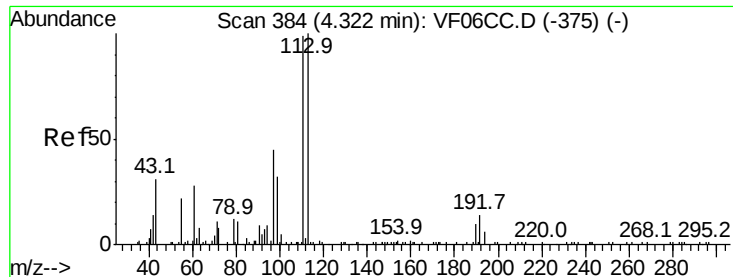
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 51.975 ug/l

RT: 4.33 min Scan# 385

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

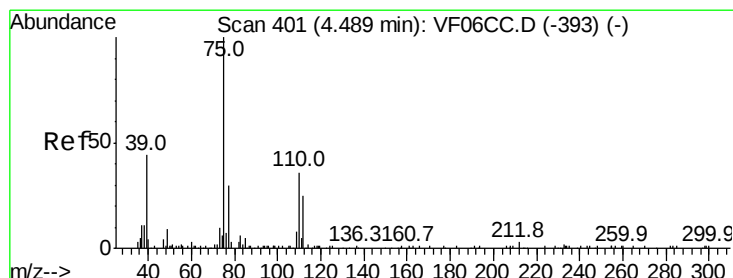
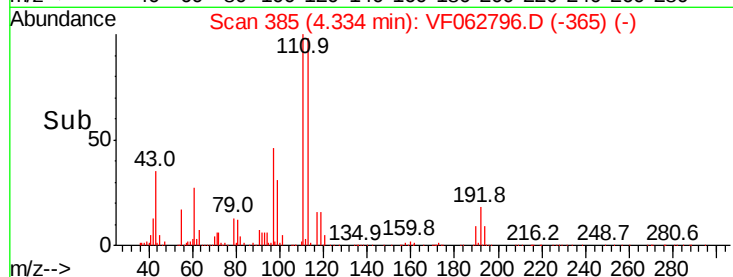
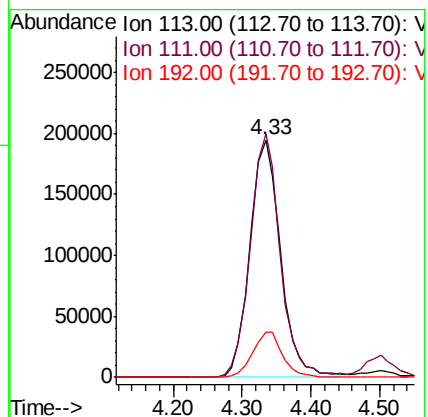
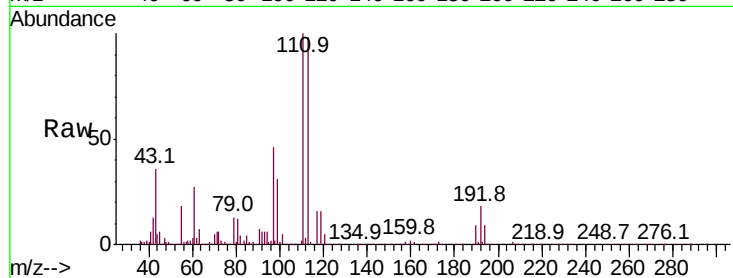
Tot Ion:113 Resp: 606323

Ion Ratio Lower Upper

113 100

111 102.4 81.9 122.9

192 18.9 15.1 22.7



#36

1,1-Dichloropropene

Concen: 49.257 ug/l

RT: 4.50 min Scan# 402

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

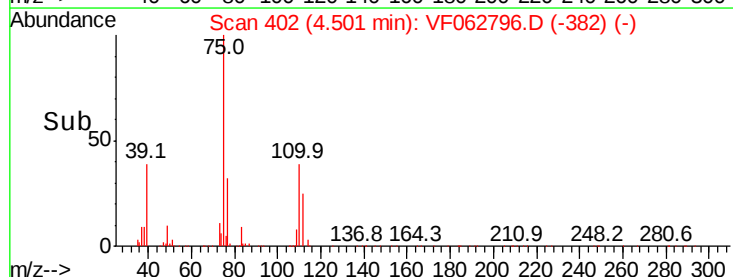
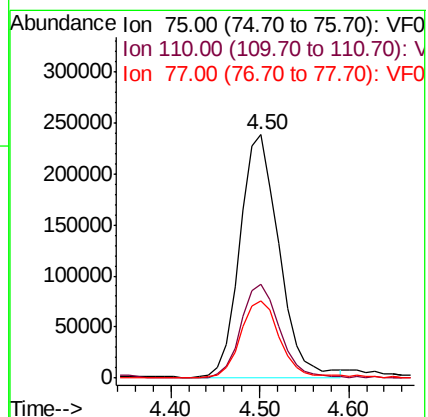
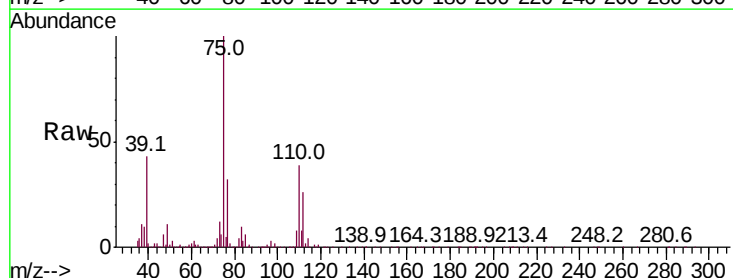
Tgt Ion: 75 Resp: 721049

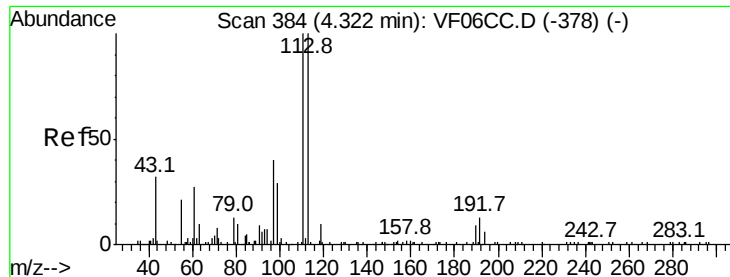
Ion Ratio Lower Upper

75 100

110 38.7 19.4 58.1

77 31.8 25.4 38.2





#37

Ethyl Acetate

Concen: 46.727 ug/l

RT: 4.33 min Scan# 385

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

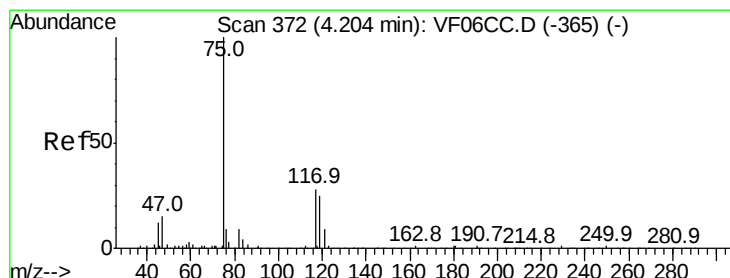
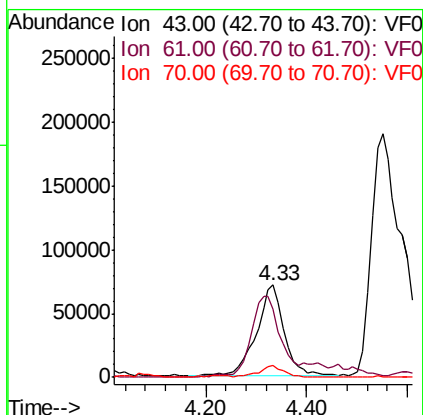
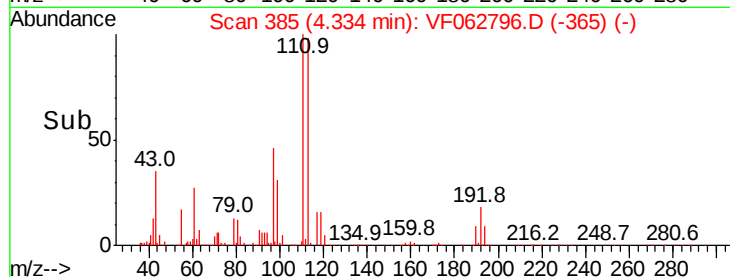
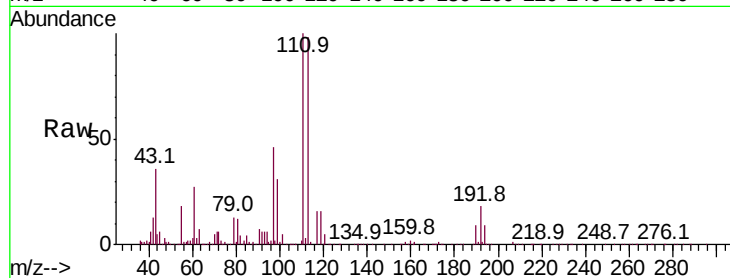
Tot Ion: 43 Resp: 275661

Ion Ratio Lower Upper

43 100

61 73.9 59.1 88.7

70 12.6 10.1 15.1



#38

Carbon Tetrachloride

Concen: 48.638 ug/l

RT: 4.21 min Scan# 372

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

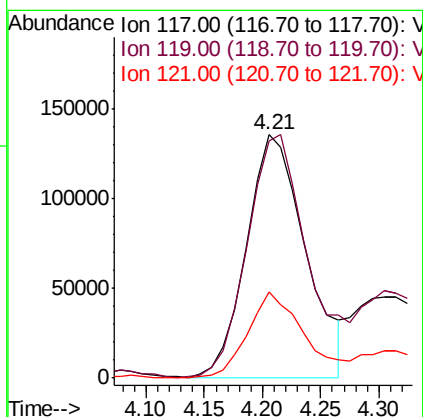
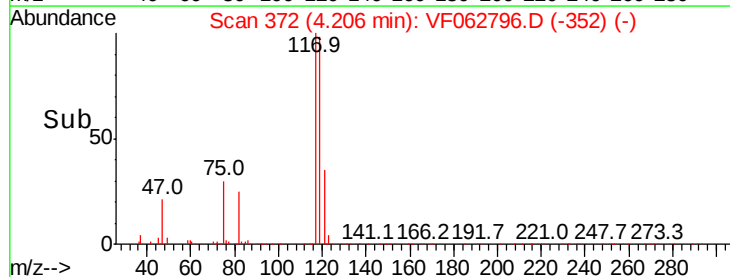
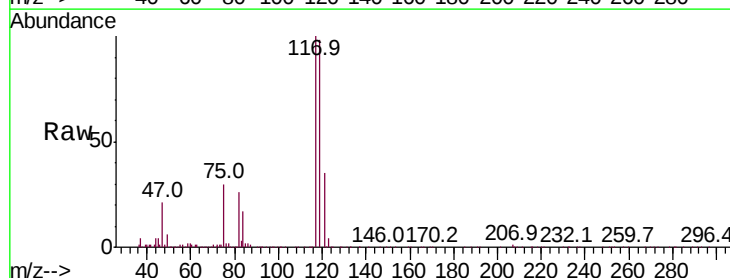
Tgt Ion: 117 Resp: 476486

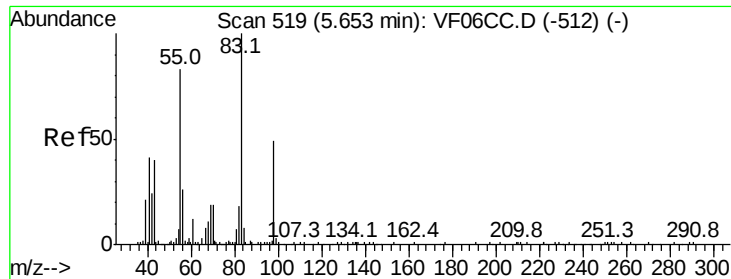
Ion Ratio Lower Upper

117 100

119 97.7 78.2 117.2

121 35.2 28.2 42.2

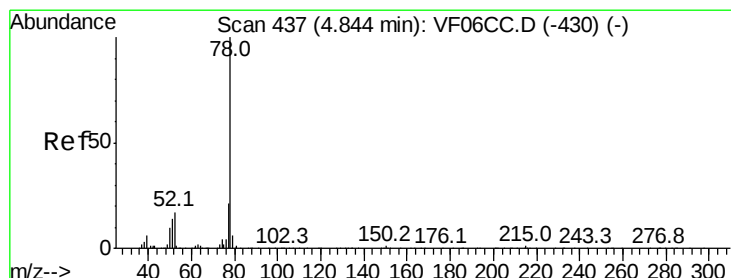
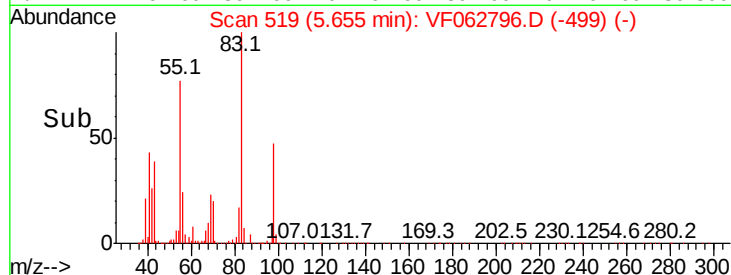
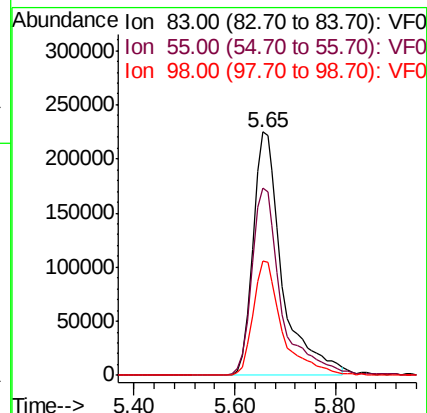
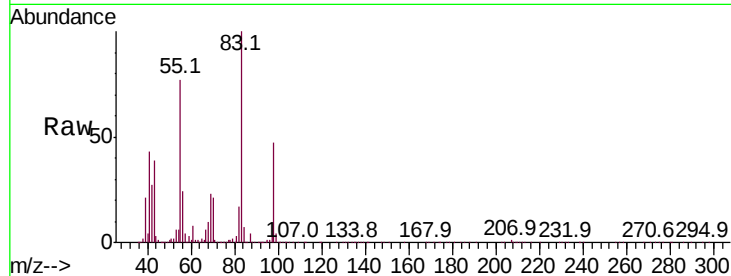




#39
Methvlcvclohexane
Concen: 50.969 ug/l
RT: 5.65 min Scan# 519
Delta R.T. 0.00 min
Lab File: VF062796.D
Acq: 30 May 2019 15:31

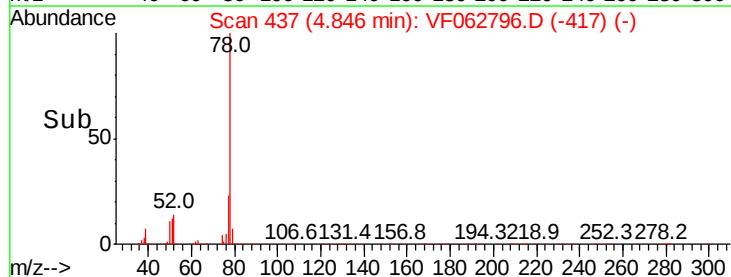
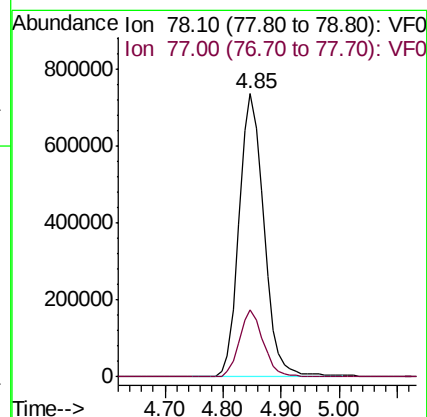
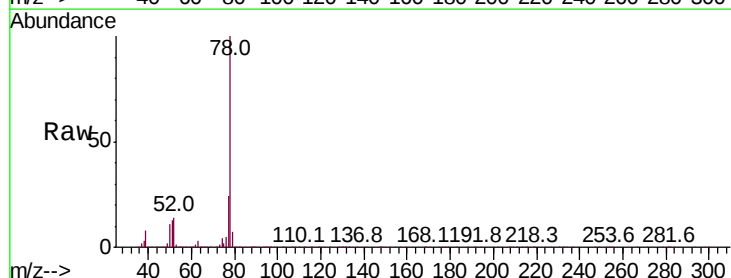
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

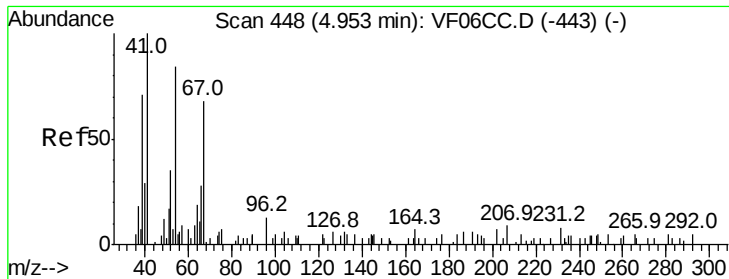
Tot Ion: 83 Resp: 909669
Ion Ratio Lower Upper
83 100
55 77.0 61.6 92.4
98 46.8 37.4 56.2



#40
Benzene
Concen: 50.770 ug/l
RT: 4.85 min Scan# 437
Delta R.T. 0.00 min
Lab File: VF062796.D
Acq: 30 May 2019 15:31

Tgt Ion: 78 Resp: 2192644
Ion Ratio Lower Upper
78 100
77 23.6 18.9 28.3

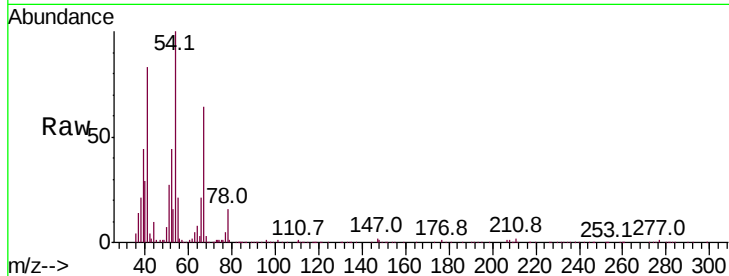




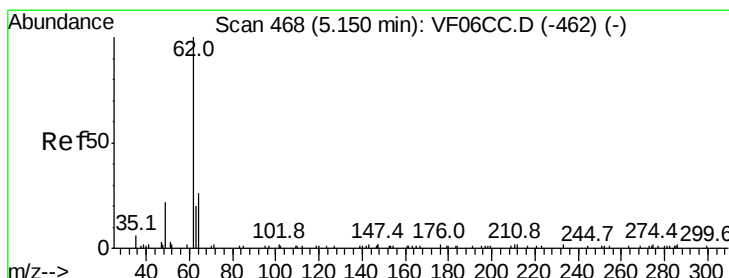
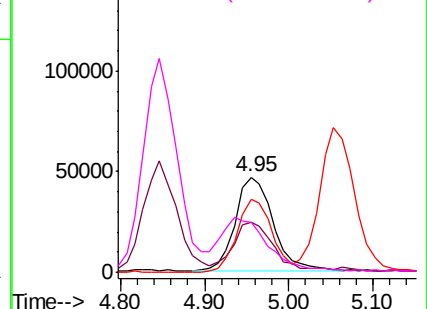
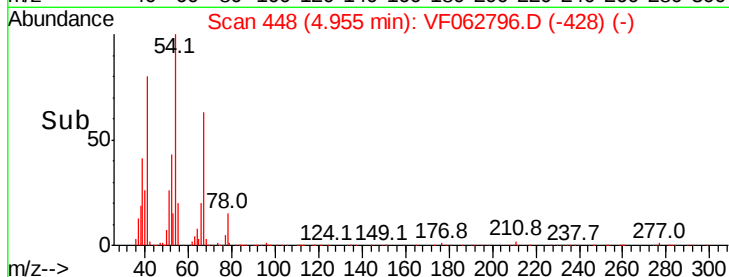
#41
Methacrylonitrile
Concen: 46.052 ug/l
RT: 4.95 min Scan# 448
Delta R.T. 0.00 min
Lab File: VF062796.D
Acq: 30 May 2019 15:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion:	41	Resp:	147558
Ion	Ratio	Lower	Upper
41	100		
39	52.5	42.0	63.0
67	76.7	61.4	92.0
52	52.6	42.1	63.1

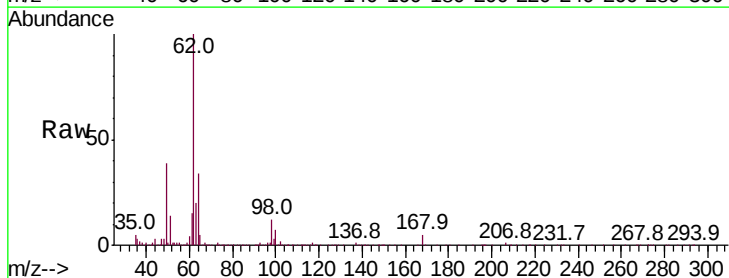


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

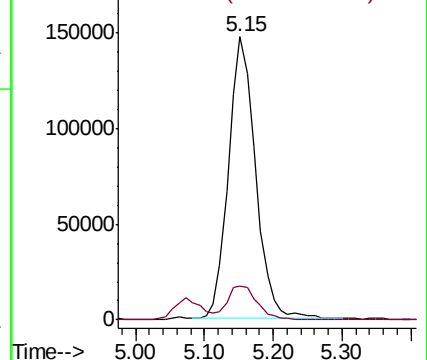
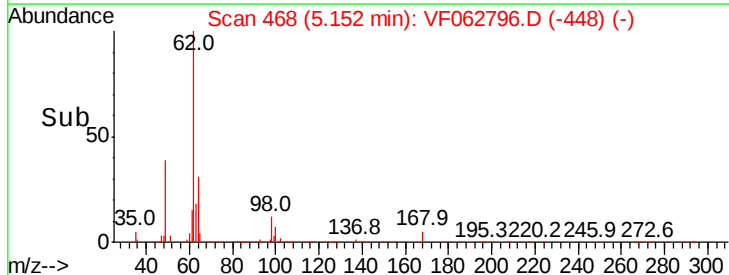


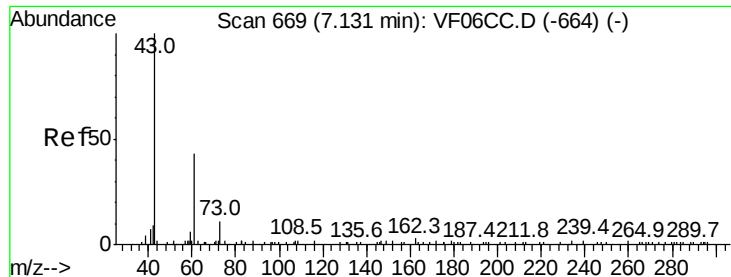
#42
1,2-Dichloroethane
Concen: 50.087 ug/l
RT: 5.15 min Scan# 468
Delta R.T. 0.00 min
Lab File: VF062796.D
Acq: 30 May 2019 15:31

Tgt Ion:	62	Resp:	402023
Ion	Ratio	Lower	Upper
62	100		
98	12.0	0.0	24.0



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





#43

Isopropyl Acetate

Concen: 47.941 ug/l

RT: 7.13 min Scan# 669

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

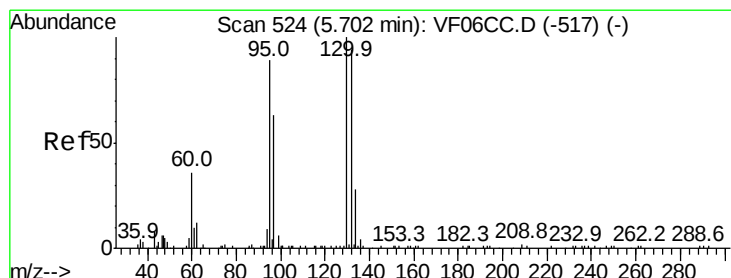
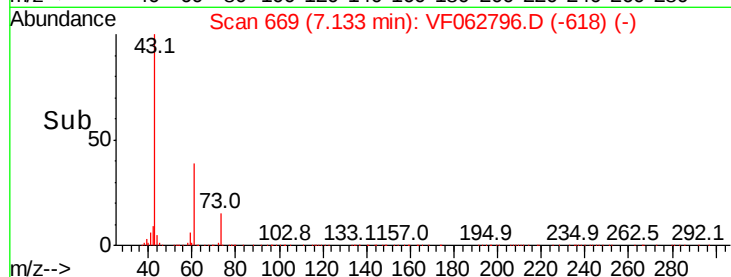
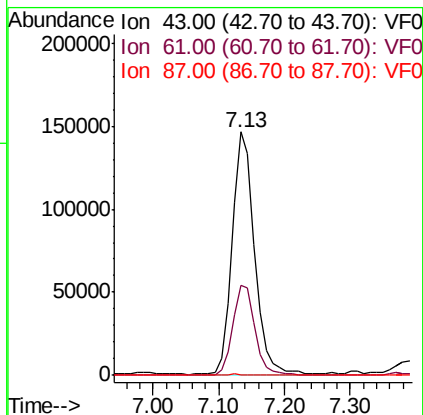
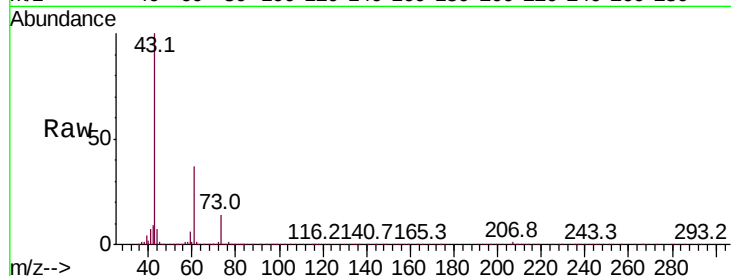
Tot Ion: 43 Resp: 350532

Ion Ratio Lower Upper

43 100

61 37.2 29.8 44.6

87 0.4 0.3 0.5



#44

Trichloroethene

Concen: 48.429 ug/l

RT: 5.70 min Scan# 524

Delta R.T. 0.00 min

Lab File: VF062796.D

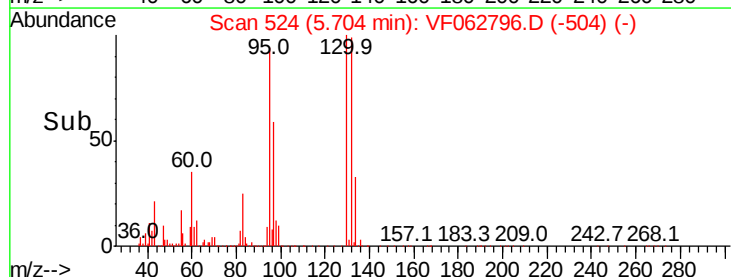
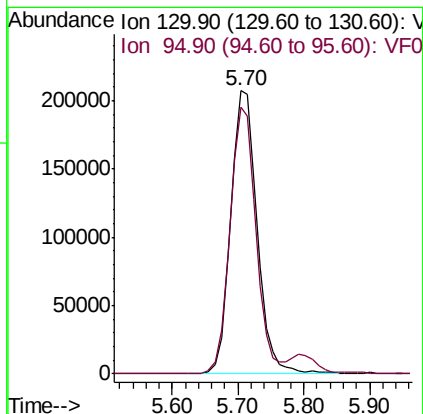
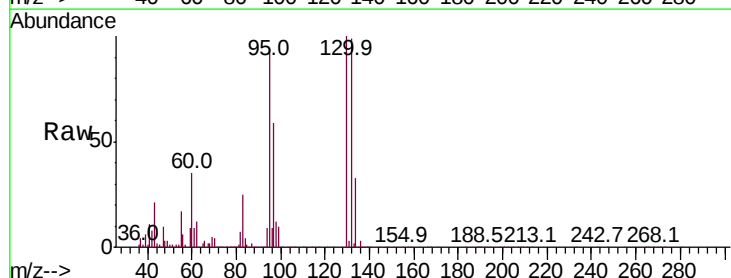
Acq: 30 May 2019 15:31

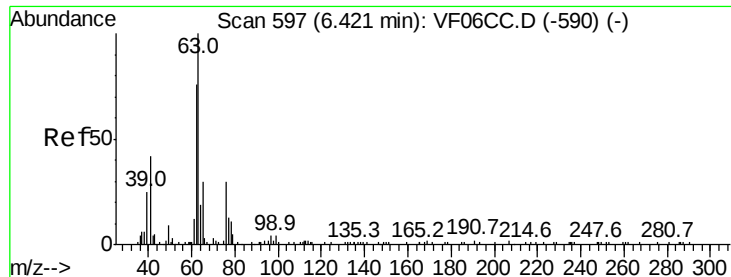
Tgt Ion: 130 Resp: 585949

Ion Ratio Lower Upper

130 100

95 94.1 0.0 188.2





#45

1,2-Dichloropropane

Concen: 50.506 ug/l

RT: 6.43 min Scan# 598

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

Instrument :

MSVOA_F

ClientSampleId :

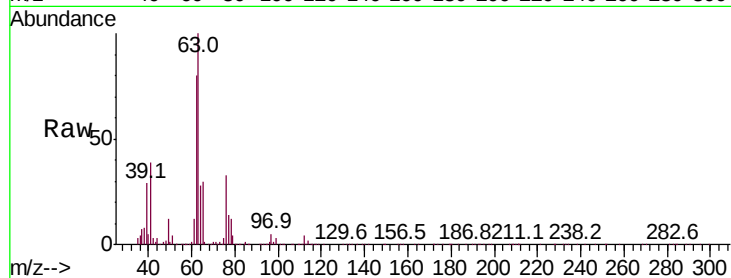
VSTDICCC050

Tot Ion: 63 Resp: 537076

Ion Ratio Lower Upper

63 100

65 30.2 24.2 36.2



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

200000

150000

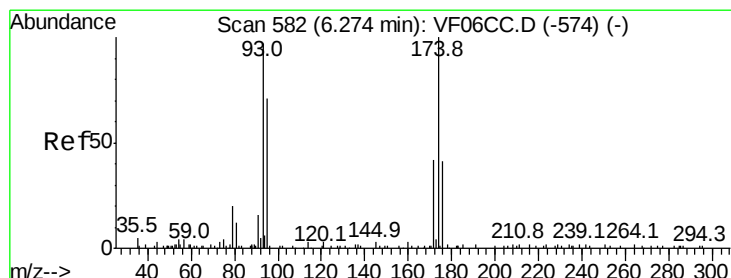
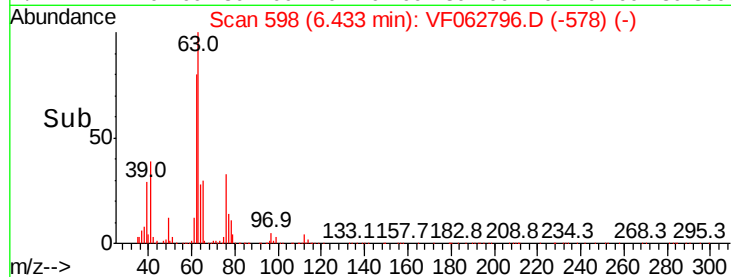
100000

50000

0

6.30 6.40 6.50 6.60

Time-->



#46

Dibromomethane

Concen: 48.635 ug/l

RT: 6.29 min Scan# 583

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

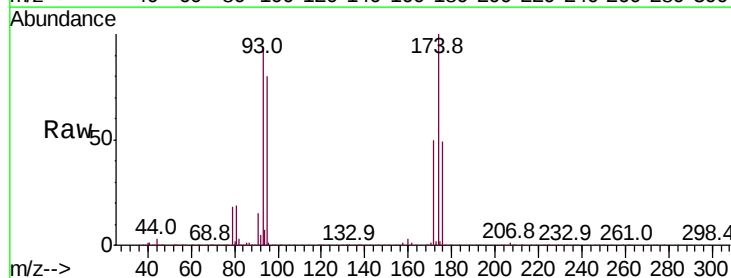
Tgt Ion: 93 Resp: 300649

Ion Ratio Lower Upper

93 100

95 84.9 67.9 101.9

174 106.2 85.0 127.4



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

150000

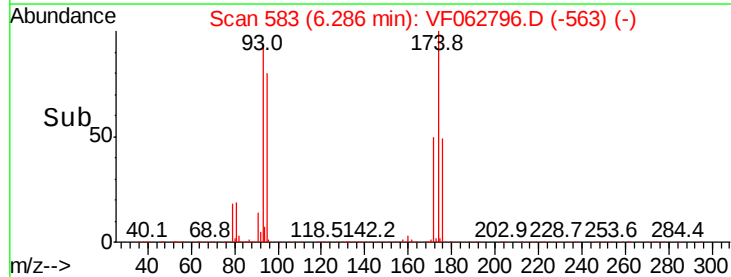
100000

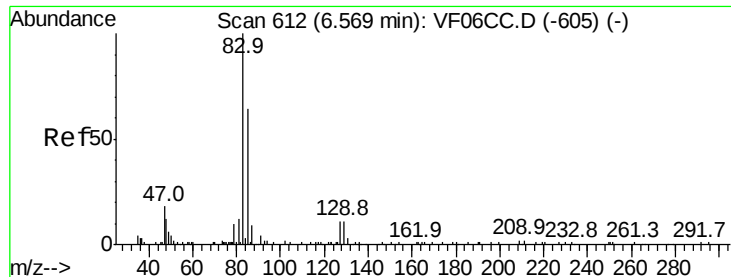
50000

0

6.10 6.20 6.30 6.40 6.50

Time-->





#47

Bromodichloromethane

Concen: 49.492 ug/l

RT: 6.58 min Scan# 613

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

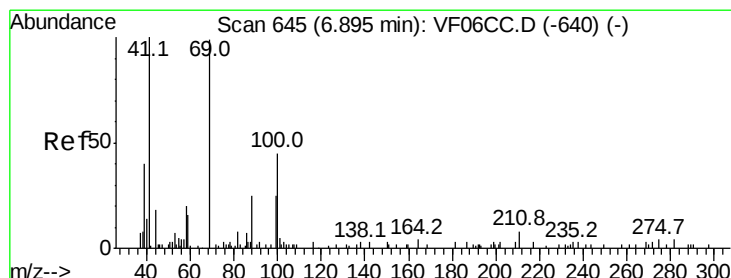
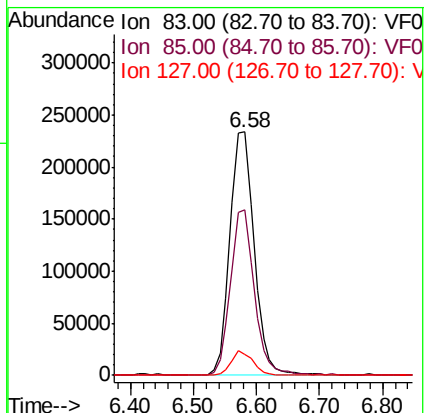
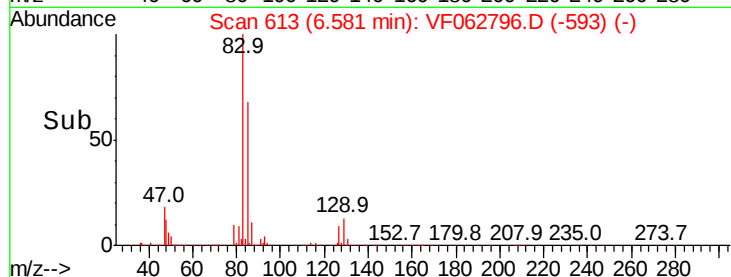
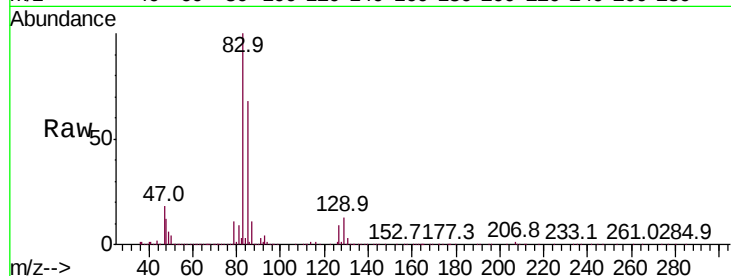
Tot Ion: 83 Resp: 623279

Ion Ratio Lower Upper

83 100

85 67.8 54.2 81.4

127 8.7 7.0 10.4



#48

Methyl methacrylate

Concen: 53.340 ug/l

RT: 6.90 min Scan# 645

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

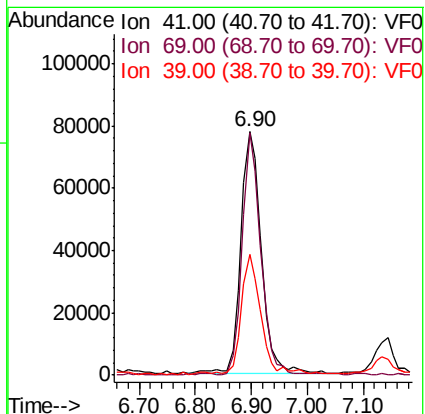
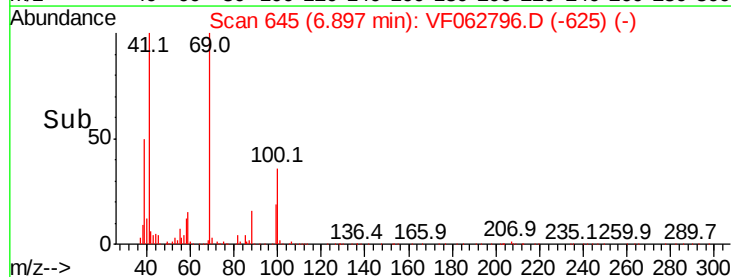
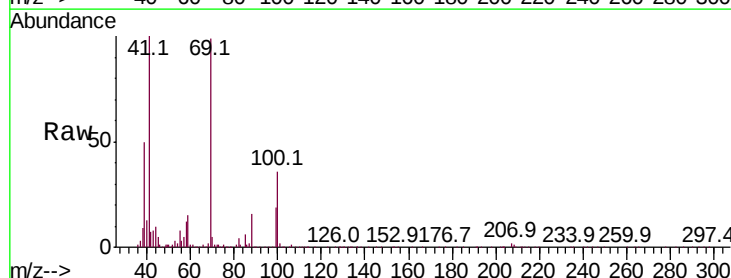
Tgt Ion: 41 Resp: 198815

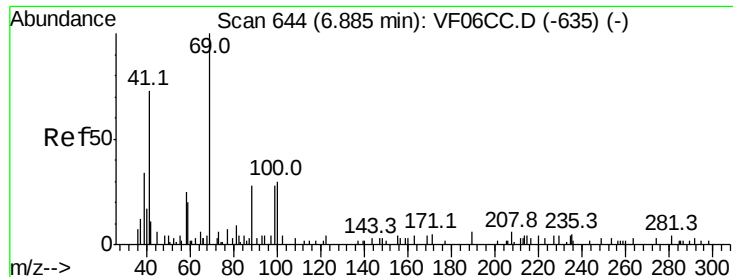
Ion Ratio Lower Upper

41 100

69 99.3 79.4 119.2

39 49.7 39.8 59.6





#49

1,4-Dioxane

Concen: 1017.637 ug/l

RT: 6.89 min Scan# 644

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

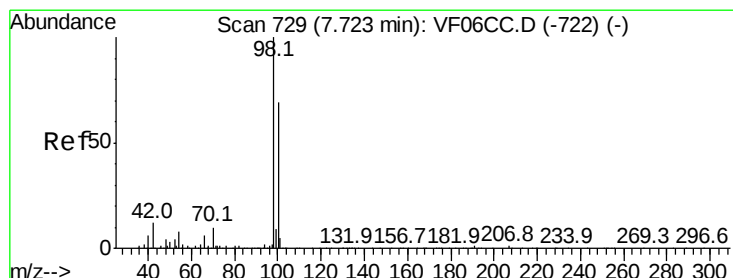
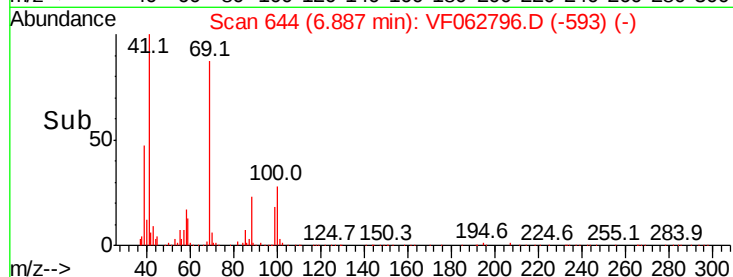
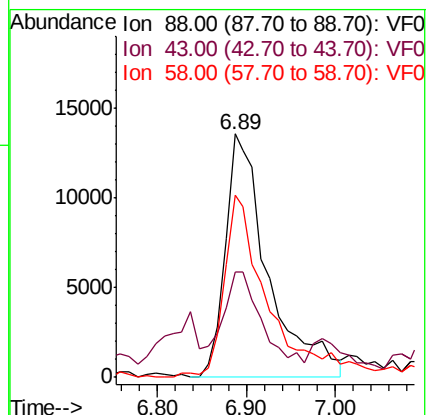
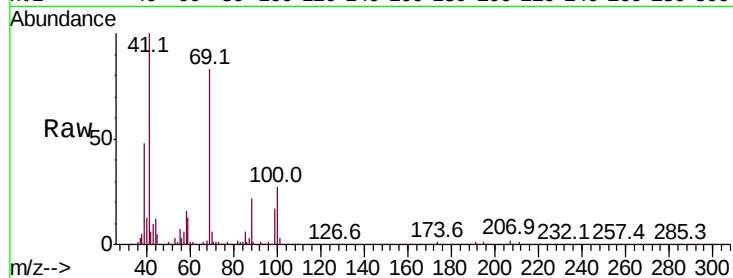
Tot Ion: 88 Resp: 45748

Ion Ratio Lower Upper

88 100

43 43.5 34.8 52.2

58 74.9 59.9 89.9



#50

Toluene-d8

Concen: 50.762 ug/l

RT: 7.73 min Scan# 730

Delta R.T. 0.00 min

Lab File: VF062796.D

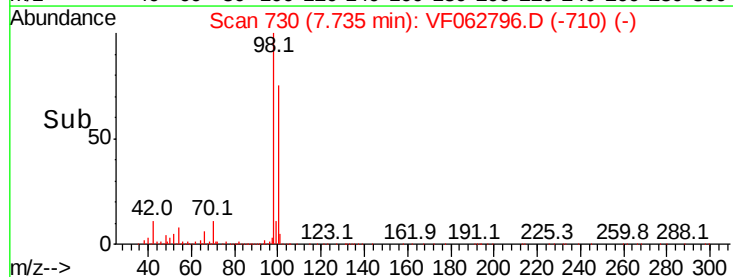
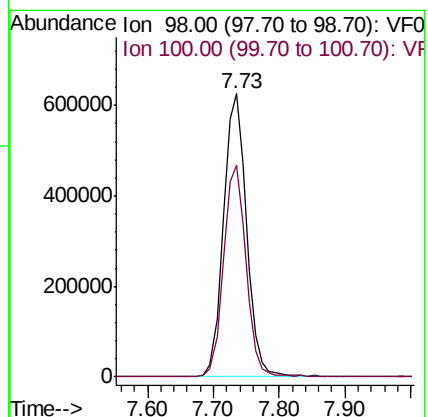
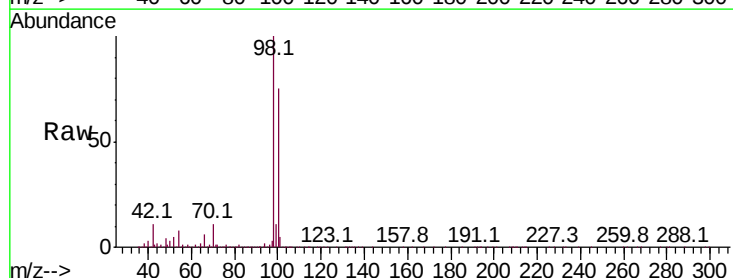
Acq: 30 May 2019 15:31

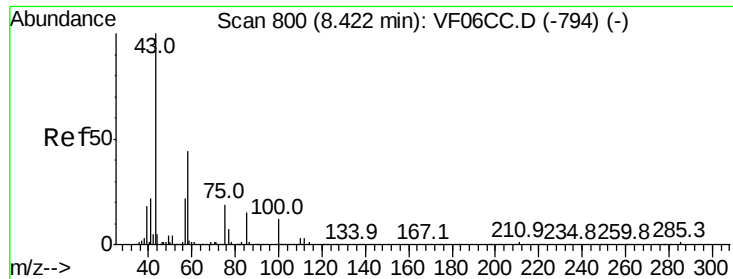
Tgt Ion: 98 Resp: 1536781

Ion Ratio Lower Upper

98 100

100 74.8 59.8 89.8

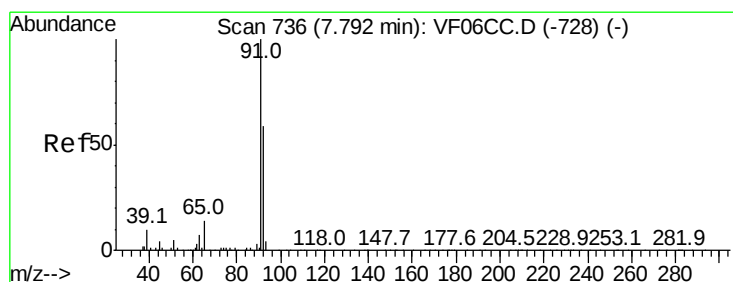
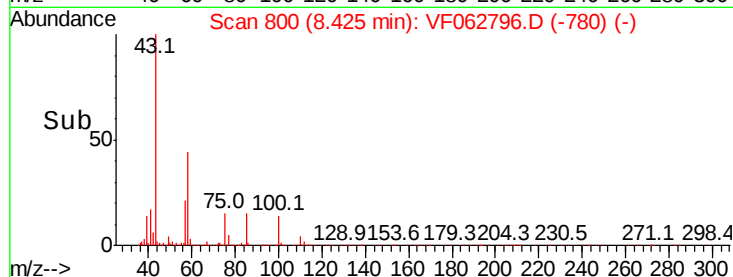
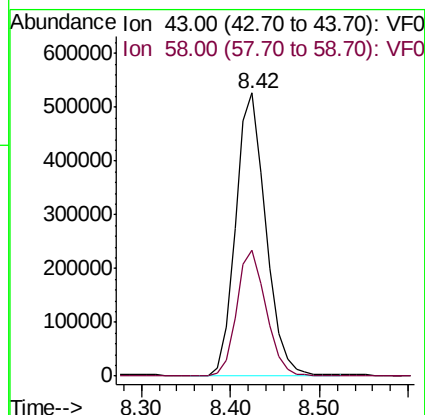
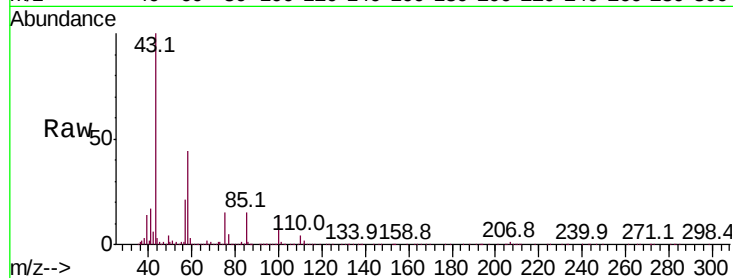




#51
 4-Methyl-2-Pentanone
 Concen: 221.156 ug/l
 RT: 8.42 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VF062796.D
 Acq: 30 May 2019 15:31

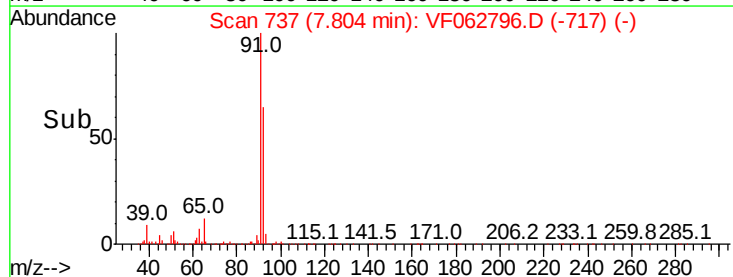
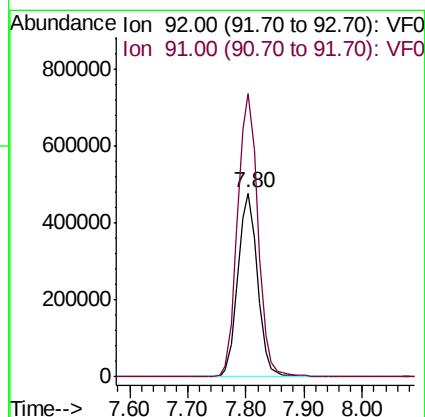
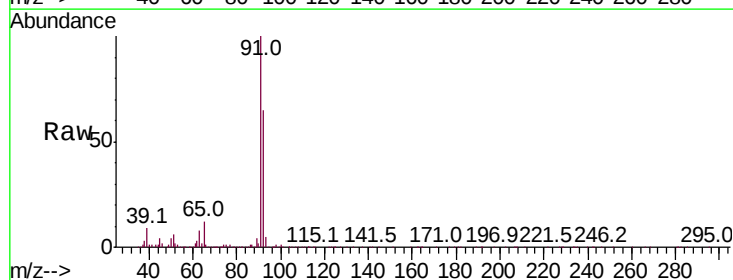
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

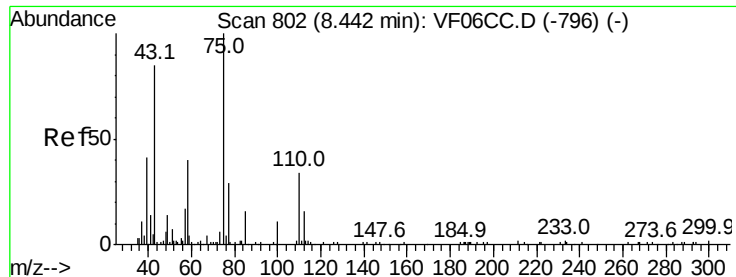
Tot Ion: 43 Resp: 1243793
 Ion Ratio Lower Upper
 43 100
 58 44.4 35.5 53.3



#52
 Toluene
 Concen: 49.864 ug/l
 RT: 7.80 min Scan# 737
 Delta R.T. 0.00 min
 Lab File: VF062796.D
 Acq: 30 May 2019 15:31

Tgt Ion: 92 Resp: 1127089
 Ion Ratio Lower Upper
 92 100
 91 154.0 123.2 184.8





#53

t-1,3-Dichloropropene

Concen: 50.823 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

Instrument :

MSVOA_F

ClientSampleId :

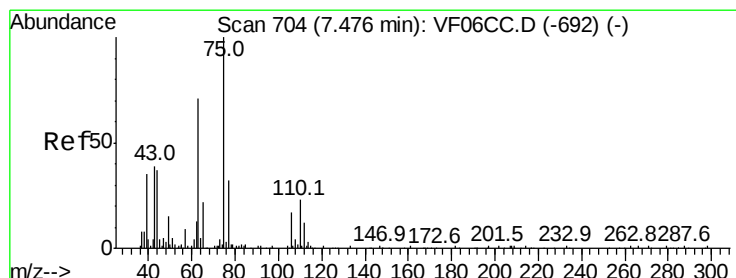
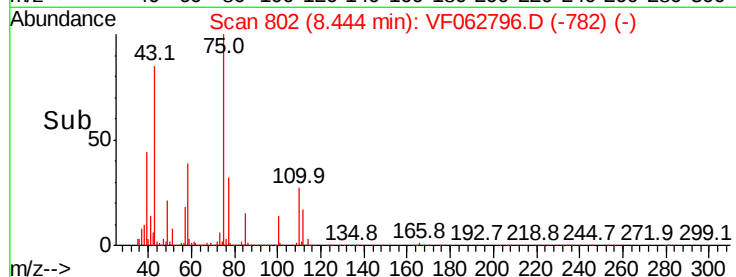
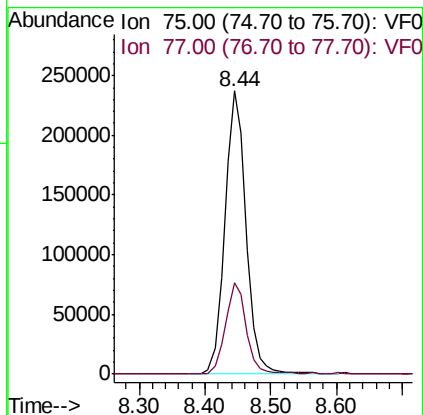
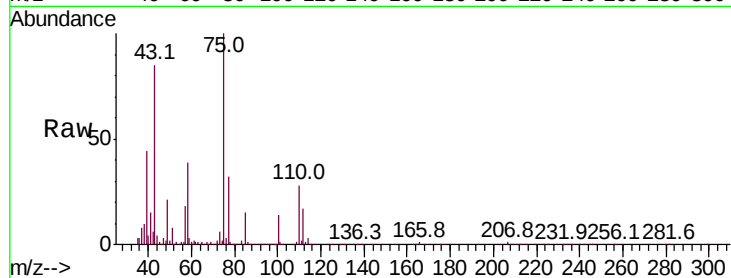
VSTDICCC050

Tot Ion: 75 Resp: 529838

Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 50.921 ug/l

RT: 7.48 min Scan# 704

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

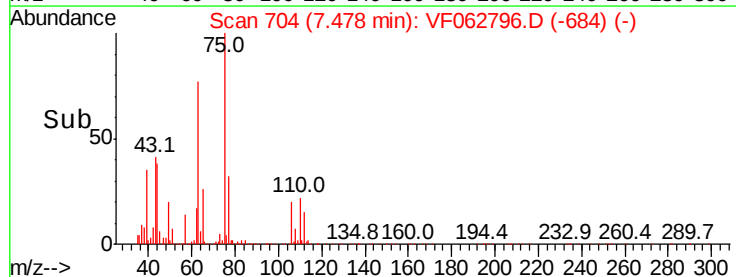
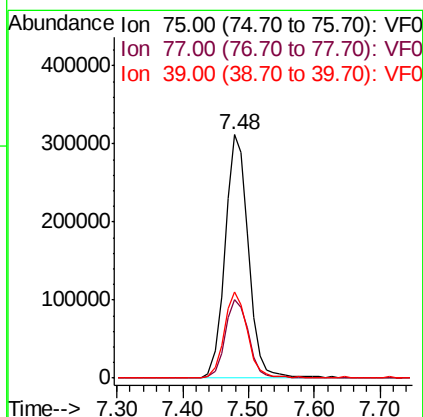
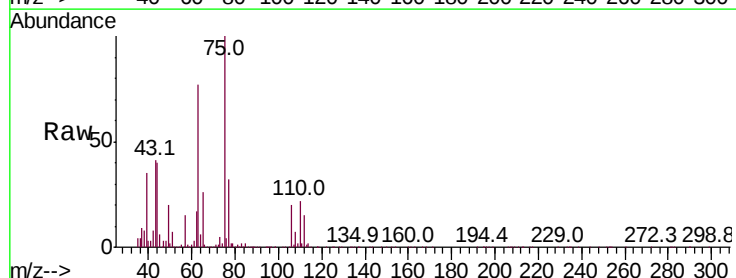
Tgt Ion: 75 Resp: 768345

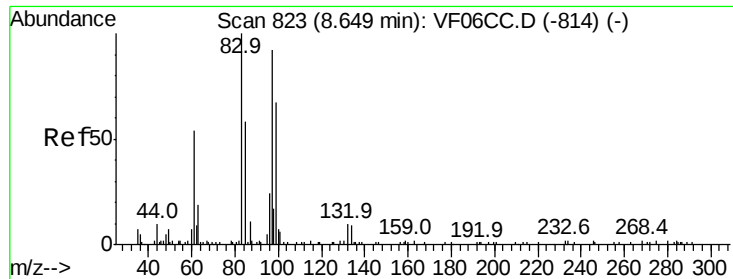
Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.8

39 35.5 28.4 42.6





#55

1,1,2-Trichloroethane

Concen: 48.293 ug/l

RT: 8.65 min Scan# 823

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 97 Resp: 334155

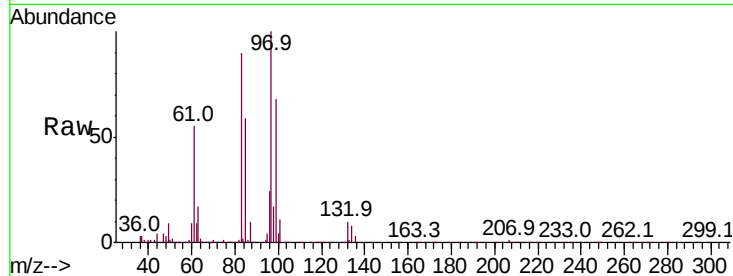
Ion Ratio Lower Upper

97 100

83 90.0 72.0 108.0

85 59.4 47.5 71.3

99 67.6 54.1 81.1

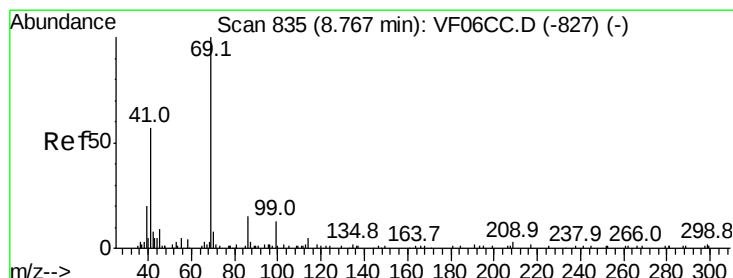
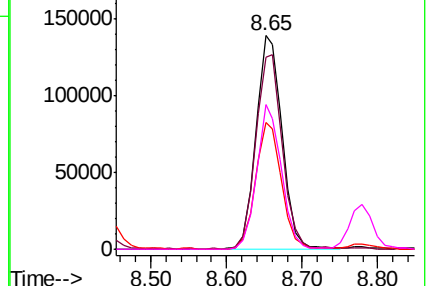
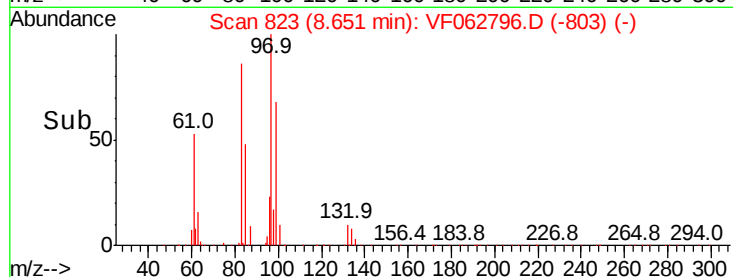


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 51.583 ug/l

RT: 8.78 min Scan# 836

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

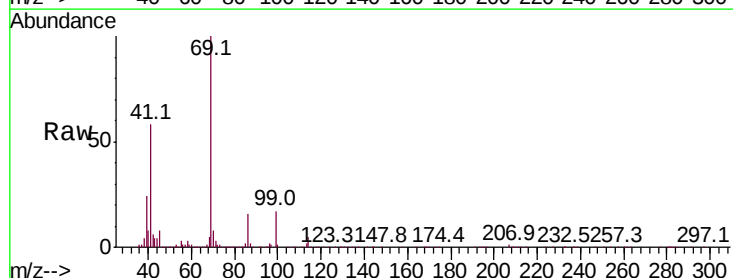
Tgt Ion: 69 Resp: 366128

Ion Ratio Lower Upper

69 100

41 58.2 46.6 69.8

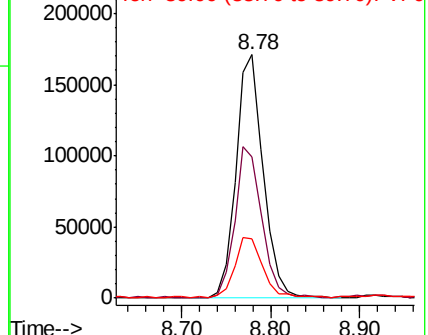
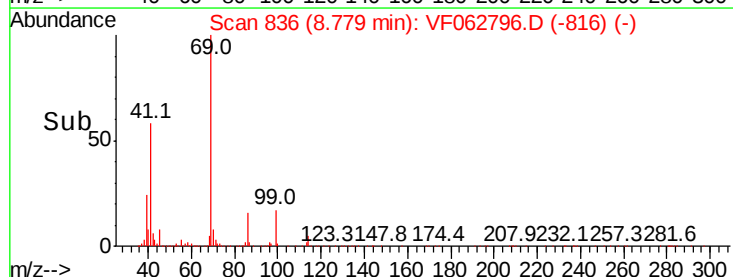
39 24.5 19.6 29.4

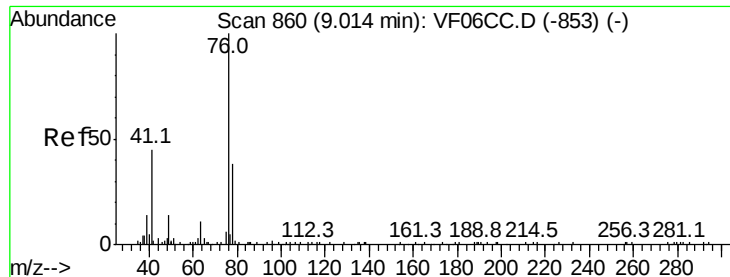


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 49.961 ug/l

RT: 9.02 min Scan# 860

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

Instrument :

MSVOA_F

ClientSampleId :

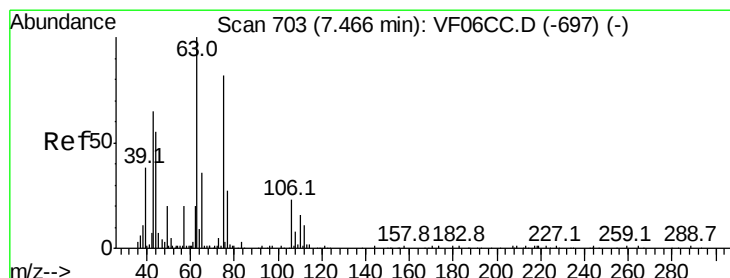
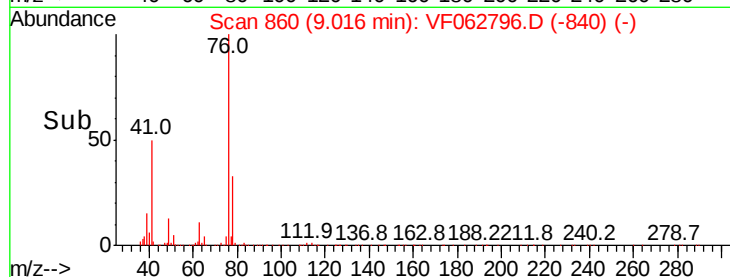
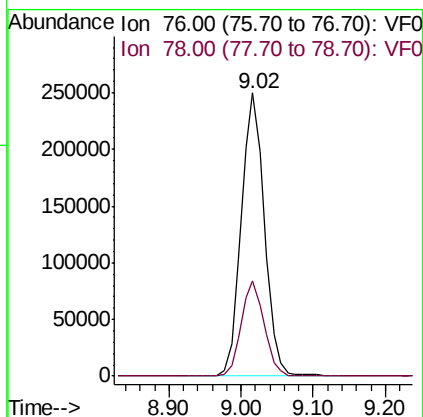
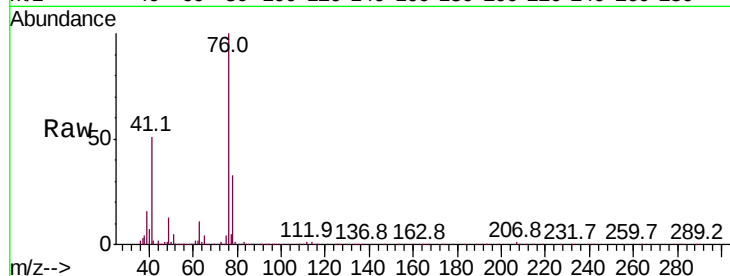
VSTDICCC050

Tot Ion: 76 Resp: 562433

Ion Ratio Lower Upper

76 100

78 33.5 26.8 40.2



#58

2-Chloroethyl Vinyl ether

Concen: 248.417 ug/l

RT: 7.47 min Scan# 703

Delta R.T. 0.00 min

Lab File: VF062796.D

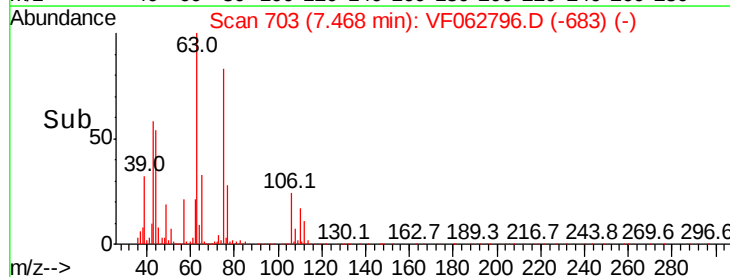
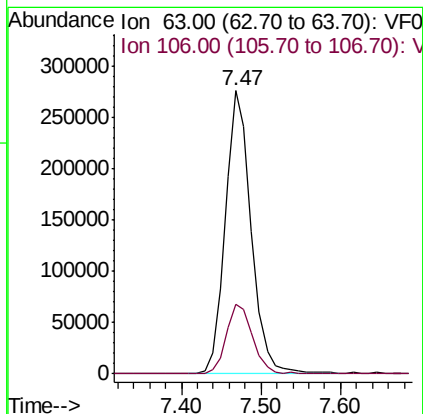
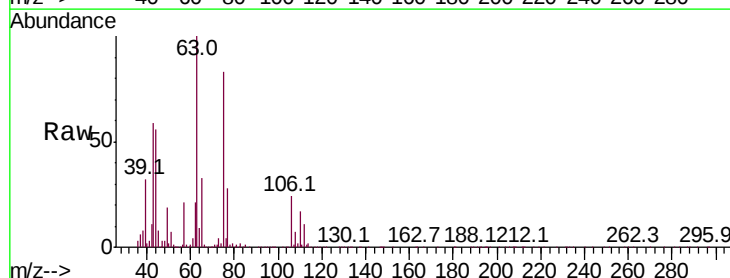
Acq: 30 May 2019 15:31

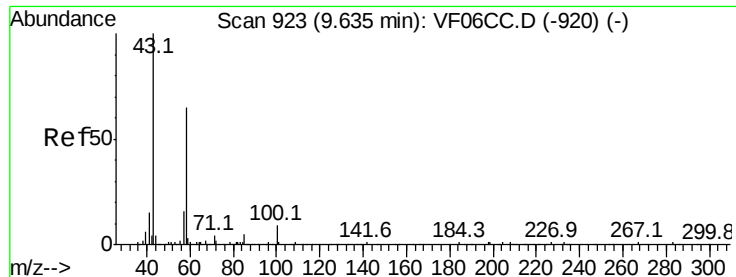
Tgt Ion: 63 Resp: 624442

Ion Ratio Lower Upper

63 100

106 24.4 19.5 29.3

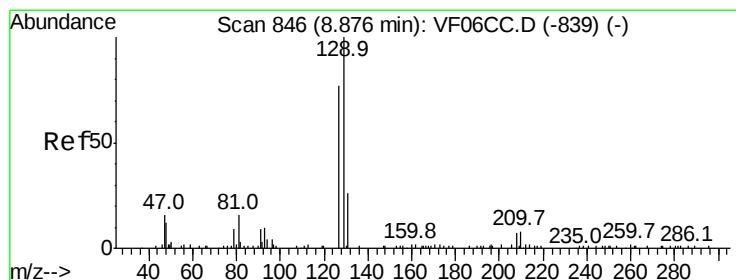
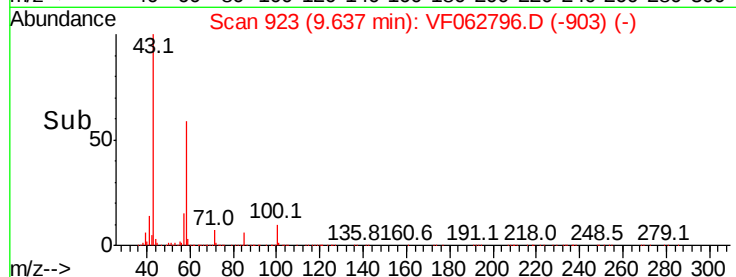
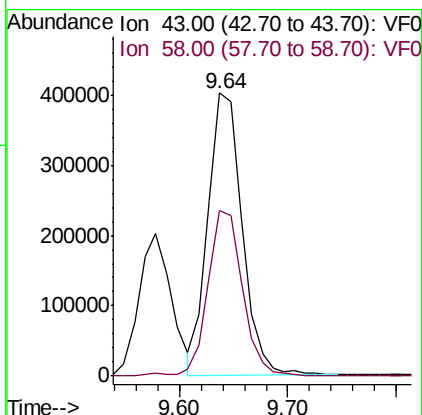
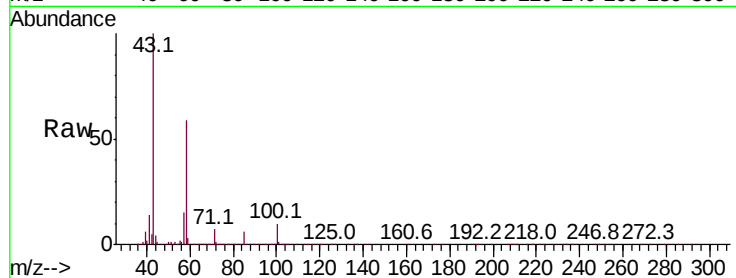




#59
2-Hexanone
Concen: 224.170 ug/l
RT: 9.64 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF062796.D
Acq: 30 May 2019 15:31

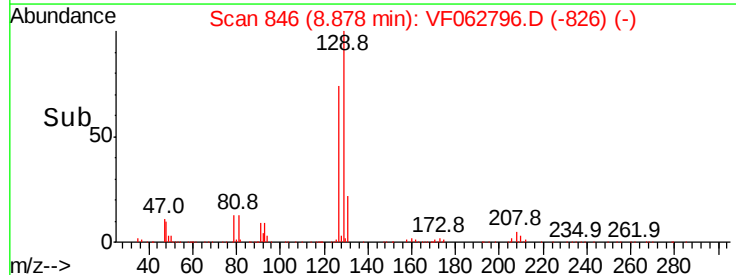
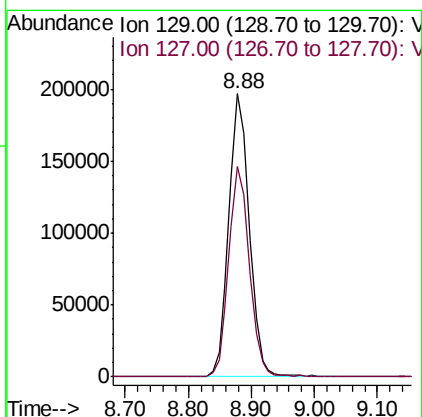
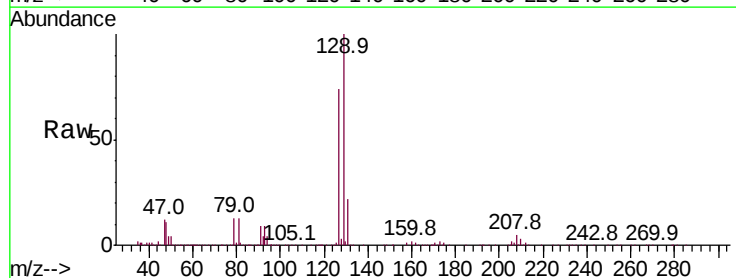
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

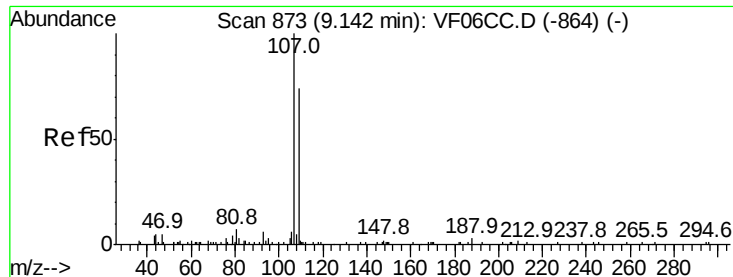
Tot Ion: 43 Resp: 882102
Ion Ratio Lower Upper
43 100
58 58.6 29.3 87.9



#60
Dibromochloromethane
Concen: 52.753 ug/l
RT: 8.88 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF062796.D
Acq: 30 May 2019 15:31

Tgt Ion: 129 Resp: 440308
Ion Ratio Lower Upper
129 100
127 74.2 37.1 111.3





#61

1,2-Dibromoethane

Concen: 52.206 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

Instrument :

MSVOA_F

ClientSampleId :

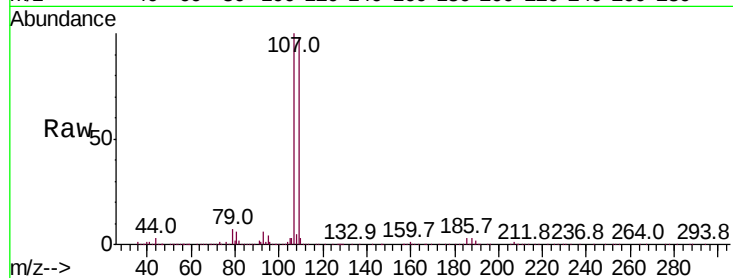
VSTDICCC050

Tot Ion:107 Resp: 356738

Ion Ratio Lower Upper

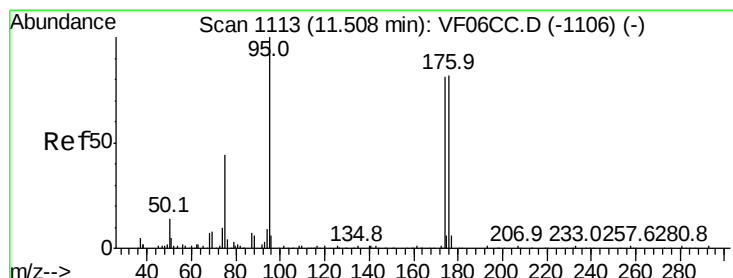
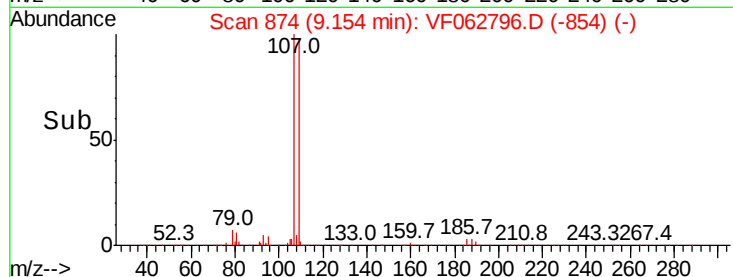
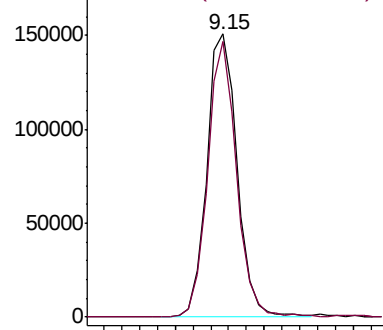
107 100

109 97.6 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: 53.150 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

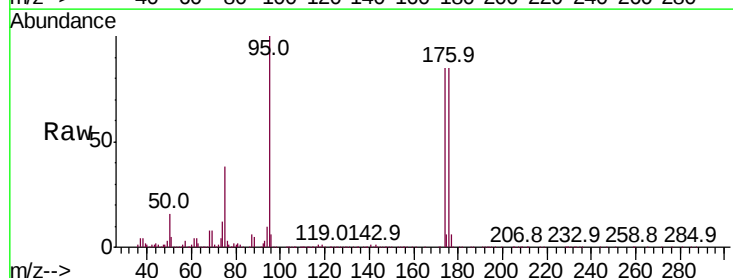
Tgt Ion: 95 Resp: 550349

Ion Ratio Lower Upper

95 100

174 85.3 0.0 170.6

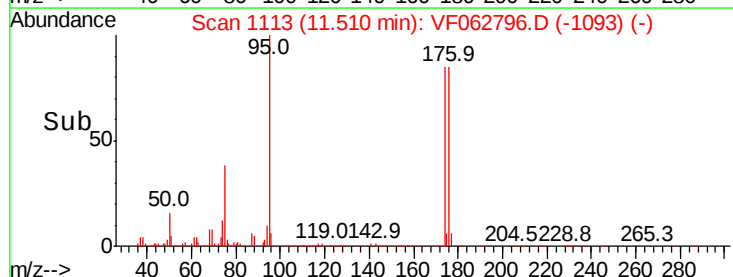
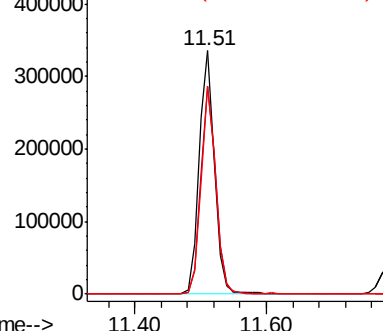
176 85.3 0.0 170.6

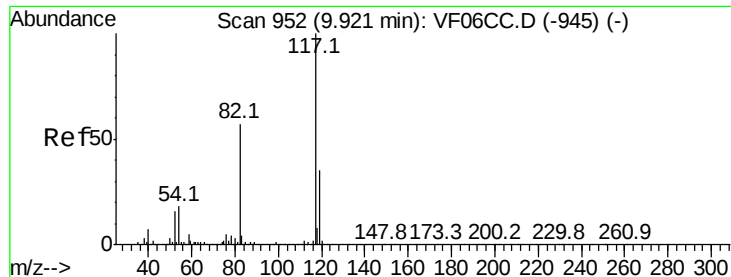


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

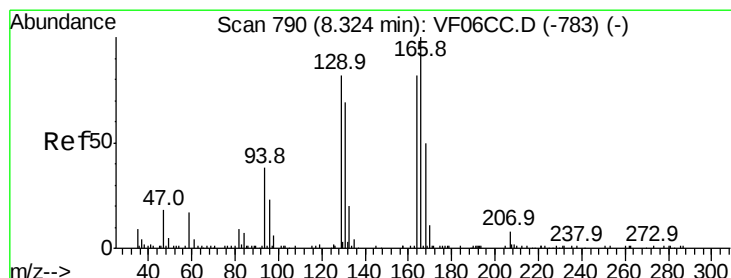
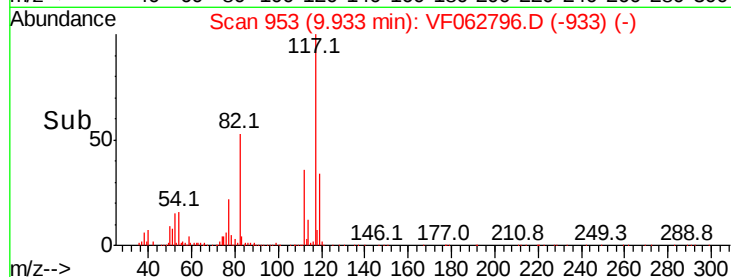
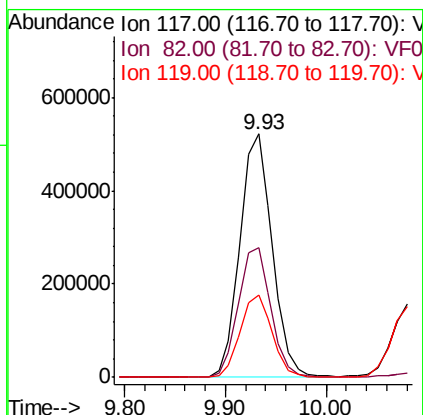
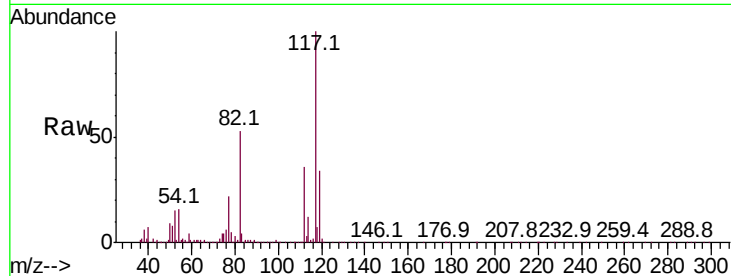




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF062796.D
Acq: 30 May 2019 15:31

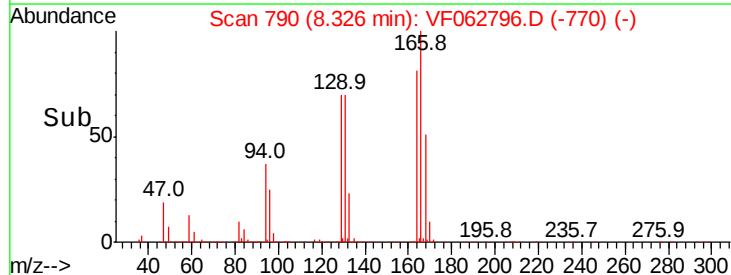
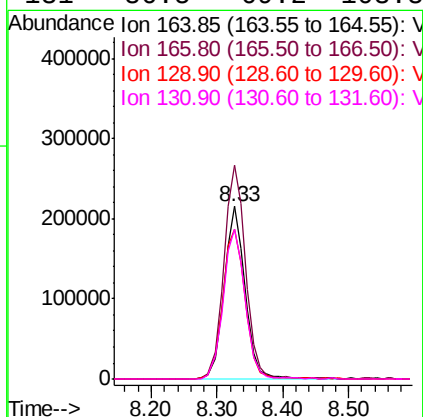
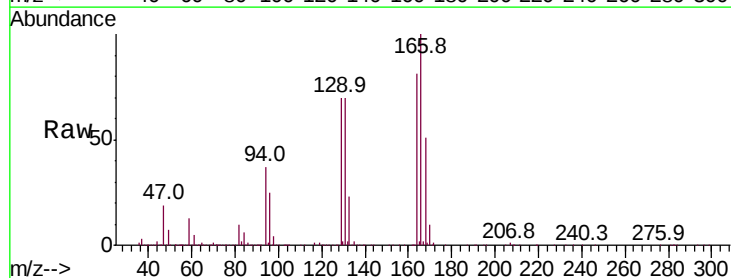
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

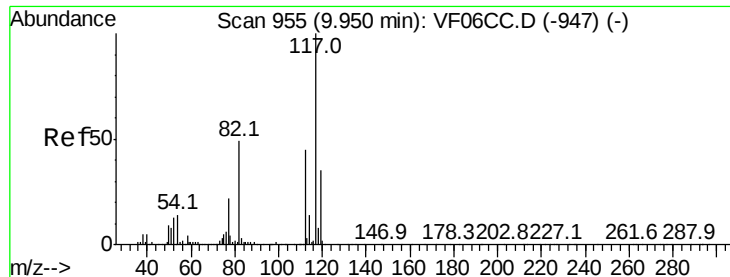
Tot Ion:117 Resp: 1167100
Ion Ratio Lower Upper
117 100
82 53.0 42.4 63.6
119 33.9 27.1 40.7



#64
Tetrachloroethene
Concen: 49.332 ug/l
RT: 8.33 min Scan# 790
Delta R.T. 0.00 min
Lab File: VF062796.D
Acq: 30 May 2019 15:31

Tgt Ion:164 Resp: 480404
Ion Ratio Lower Upper
164 100
166 123.9 99.1 148.7
129 86.9 69.5 104.3
131 86.5 69.2 103.8

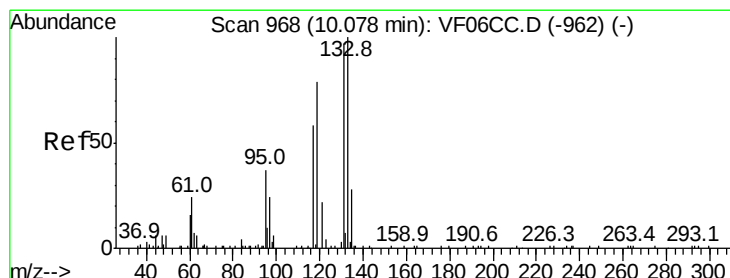
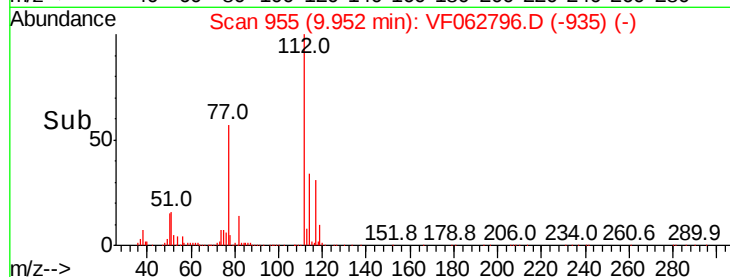
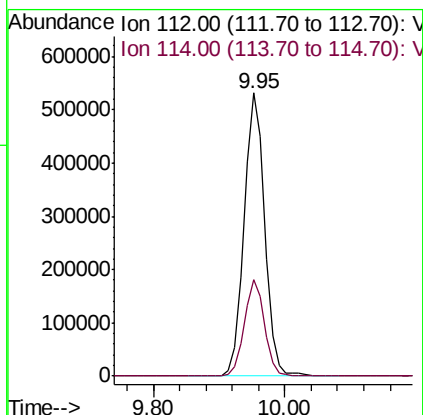
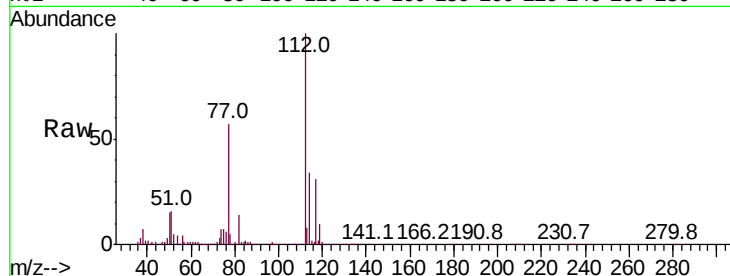




#65
Chlorobenzene
Concen: 49.519 ug/l
RT: 9.95 min Scan# 955
Delta R.T. 0.00 min
Lab File: VF062796.D
Acq: 30 May 2019 15:31

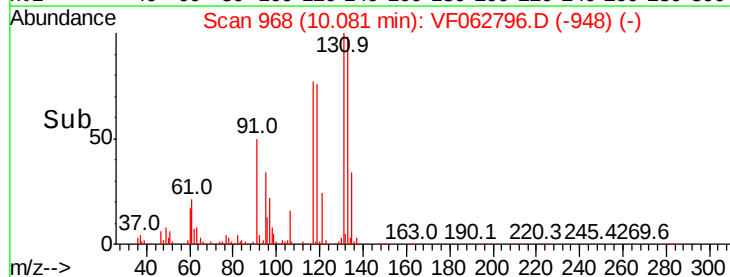
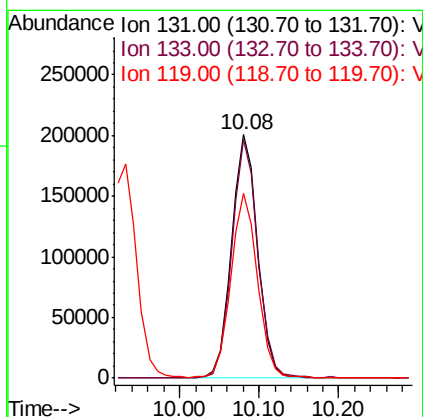
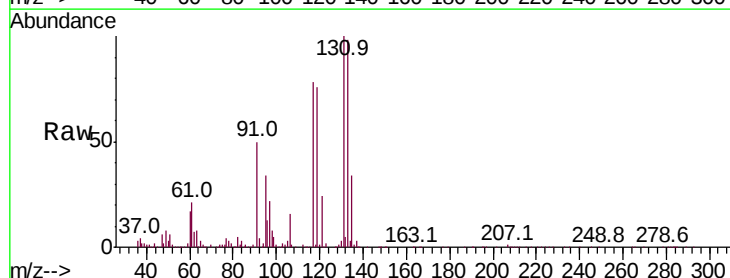
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

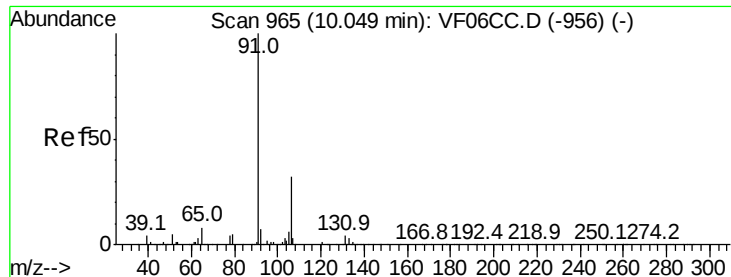
Tot Ion:112 Resp: 1171903
Ion Ratio Lower Upper
112 100
114 34.2 27.4 41.0



#66
1,1,1,2-Tetrachloroethane
Concen: 49.686 ug/l
RT: 10.08 min Scan# 968
Delta R.T. 0.00 min
Lab File: VF062796.D
Acq: 30 May 2019 15:31

Tgt Ion:131 Resp: 459330
Ion Ratio Lower Upper
131 100
133 97.8 48.9 146.7
119 76.0 38.0 114.0





#67

Ethyl Benzene

Concen: 47.745 ug/l

RT: 10.05 min Scan# 965

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

Instrument :

MSVOA_F

ClientSampleId :

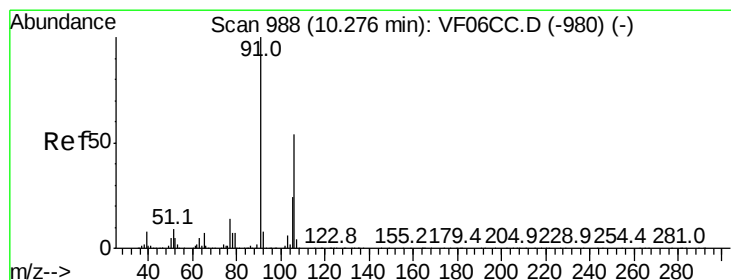
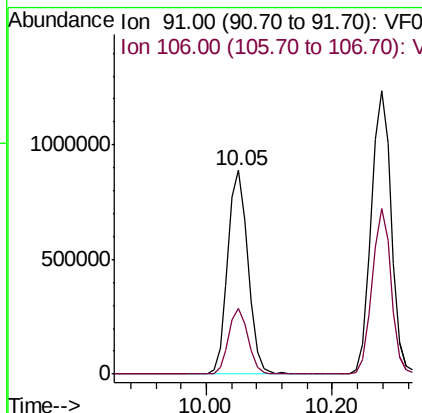
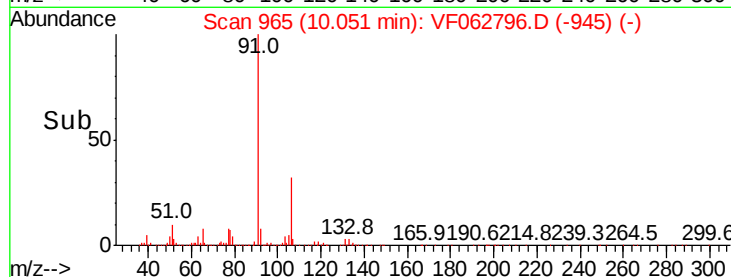
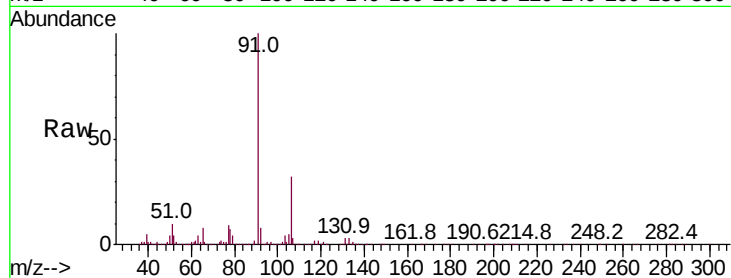
VSTDICCC050

Tot Ion: 91 Resp: 1969550

Ion Ratio Lower Upper

91 100

106 32.5 26.0 39.0



#68

m/p-Xylenes

Concen: 99.286 ug/l

RT: 10.28 min Scan# 988

Delta R.T. 0.00 min

Lab File: VF062796.D

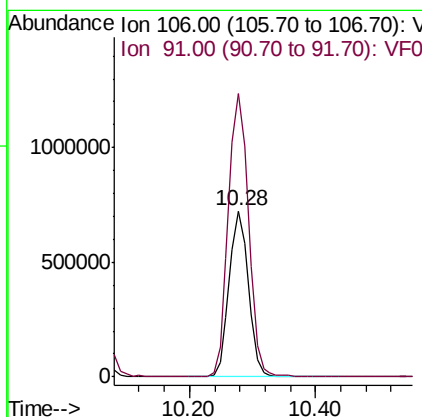
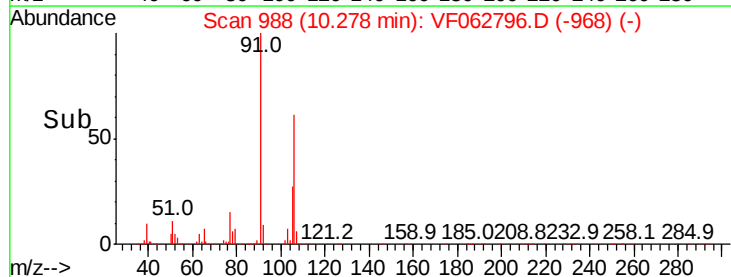
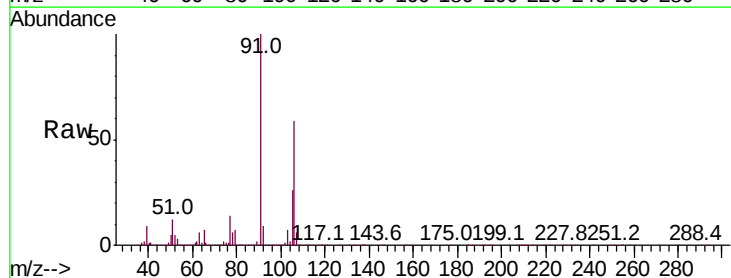
Acq: 30 May 2019 15:31

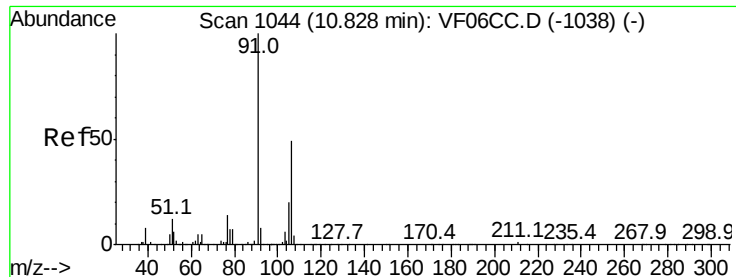
Tgt Ion: 106 Resp: 1528055

Ion Ratio Lower Upper

106 100

91 170.3 136.2 204.4

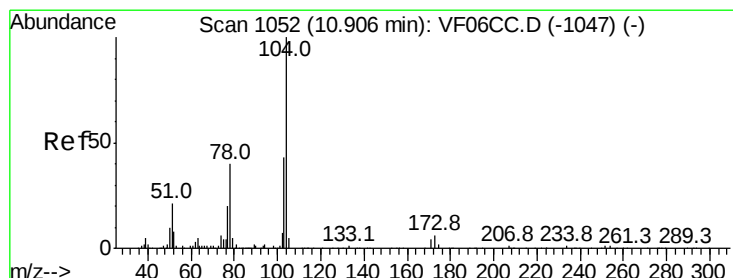
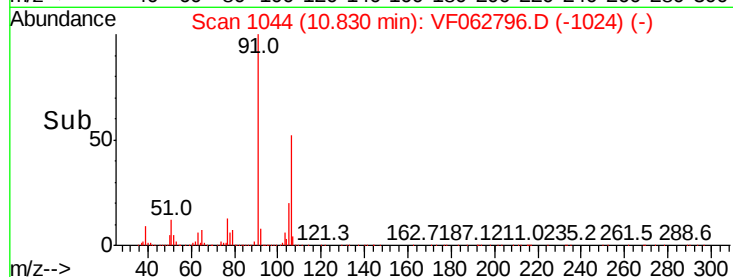
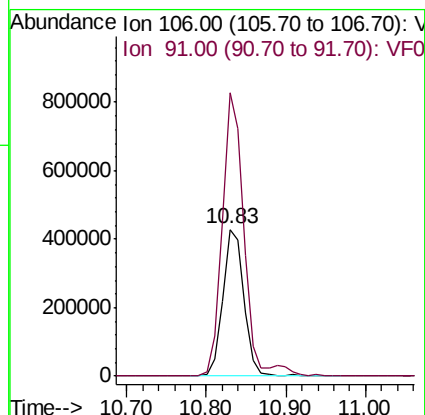
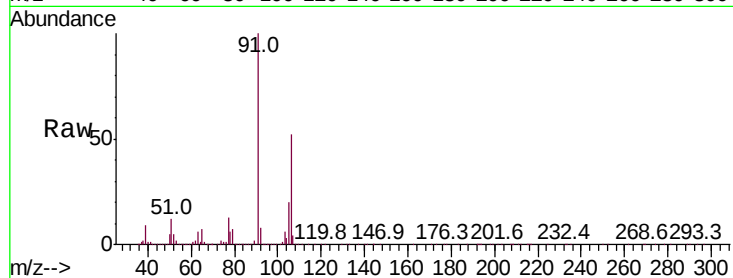




#69
o-Xylene
Concen: 51.513 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF062796.D
Acq: 30 May 2019 15:31

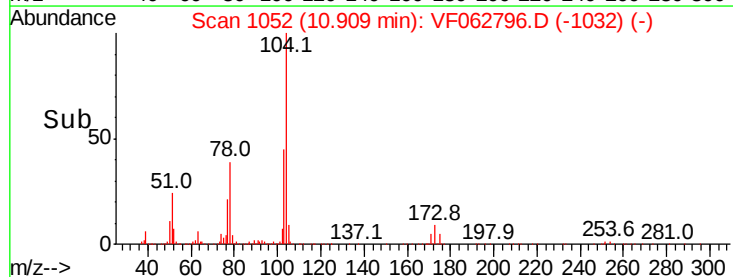
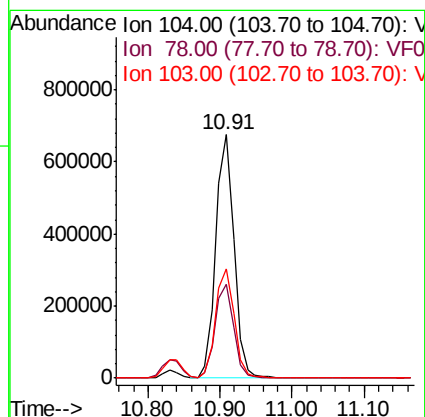
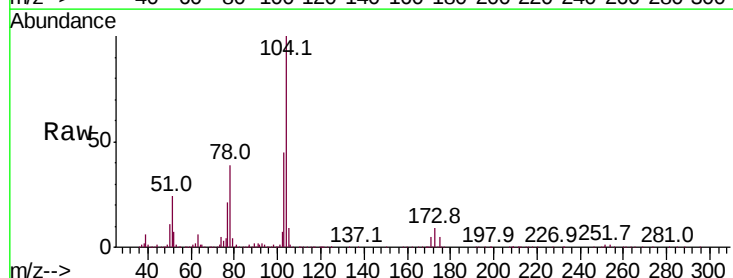
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

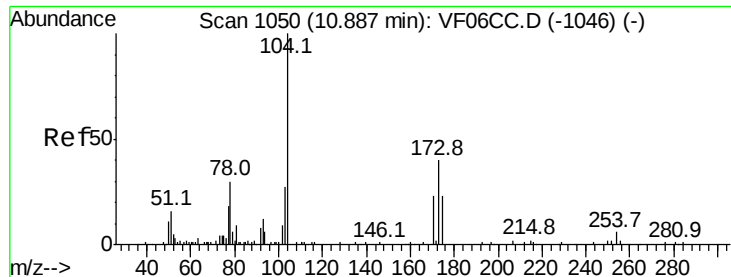
Tot Ion:106 Resp: 803634
Ion Ratio Lower Upper
106 100
91 193.2 96.6 289.8



#70
Styrene
Concen: 50.955 ug/l
RT: 10.91 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF062796.D
Acq: 30 May 2019 15:31

Tgt Ion:104 Resp: 1168810
Ion Ratio Lower Upper
104 100
78 38.5 30.8 46.2
103 44.7 35.8 53.6





#71

Bromoform

Concen: 51.391 ug/l

RT: 10.90 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

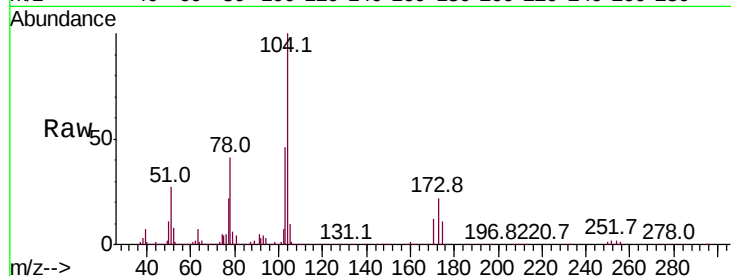
Tot Ion:173 Resp: 230989

Ion Ratio Lower Upper

173 100

175 49.3 24.6 74.0

254 0.1 0.1 0.1#

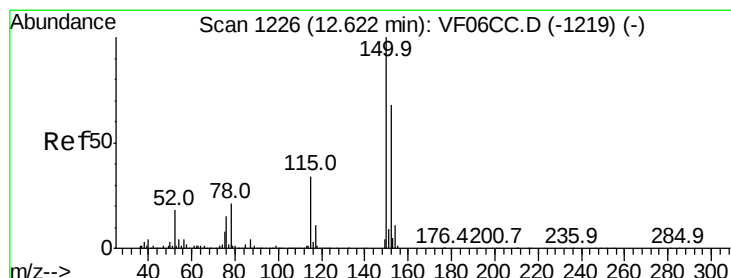
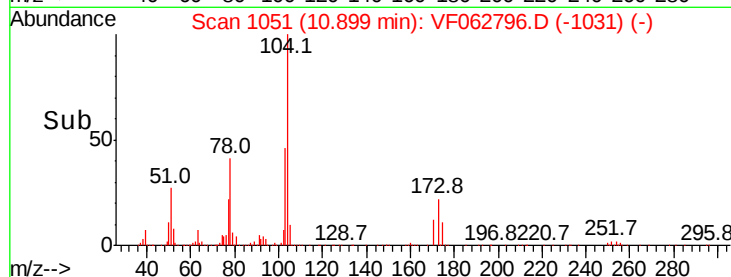
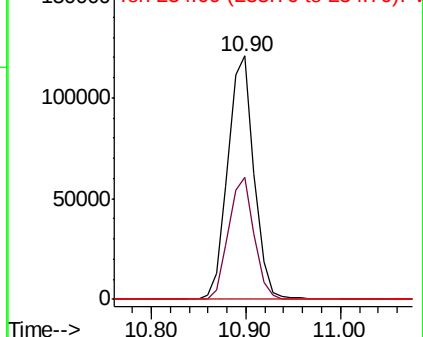


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

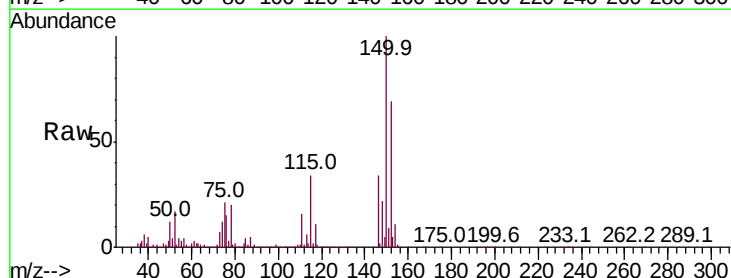
Tgt Ion:152 Resp: 563515

Ion Ratio Lower Upper

152 100

115 49.3 24.6 74.0

150 145.3 0.0 290.6

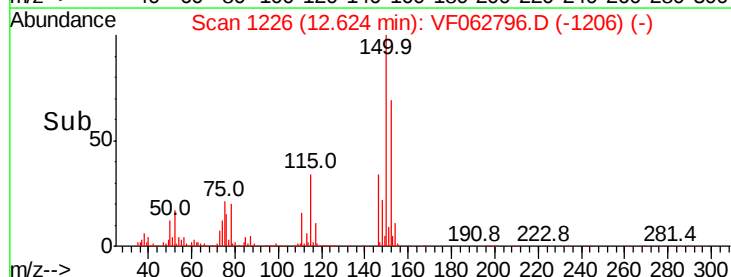
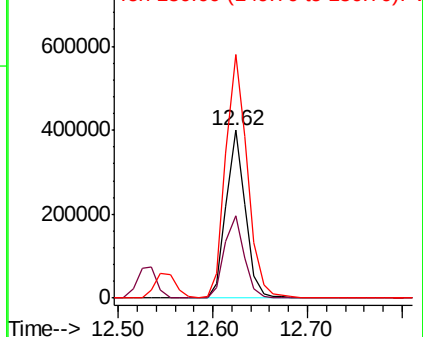


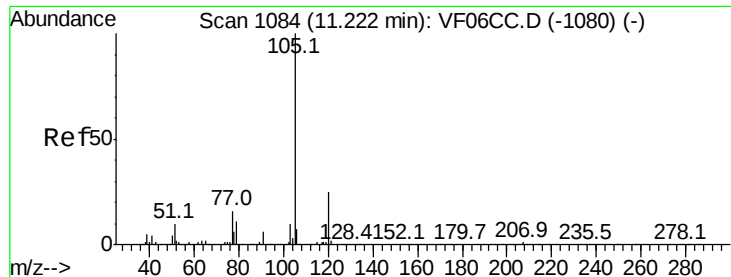
Abundance

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: 48.684 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

Instrument :

MSVOA_F

ClientSampleId :

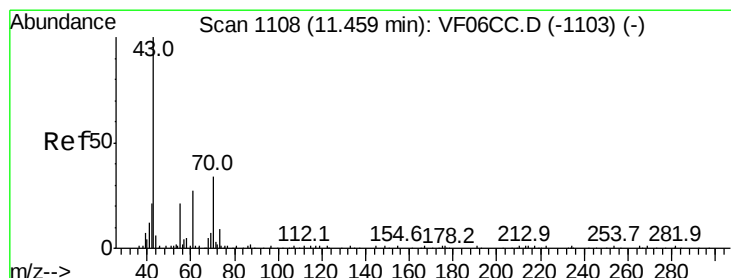
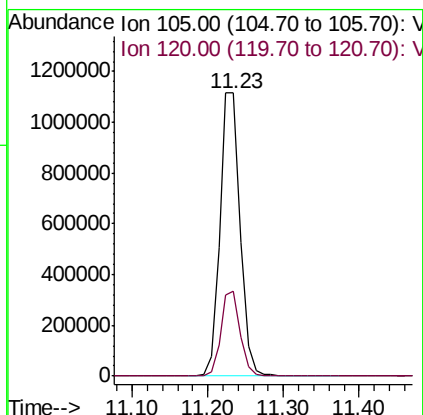
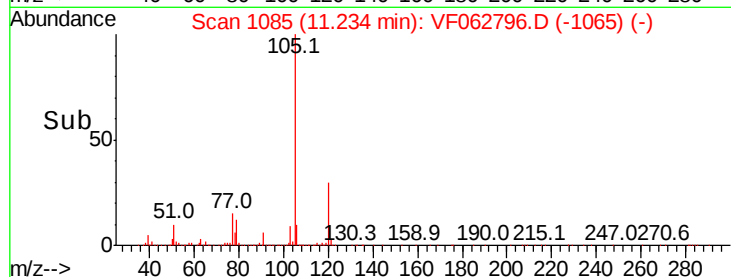
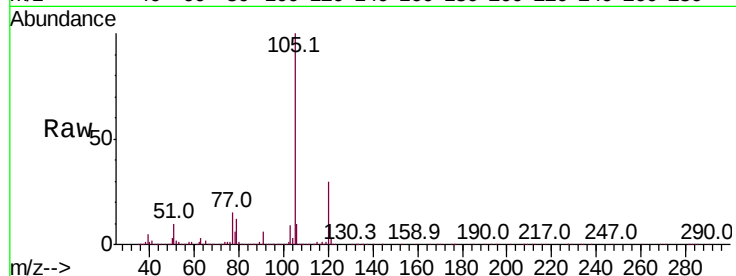
VSTDICCC050

Tot Ion:105 Resp: 2075438

Ion Ratio Lower Upper

105 100

120 30.2 15.1 45.3



#74

N-ethyl acetate

Concen: 44.642 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

Tgt Ion: 43 Resp: 539915

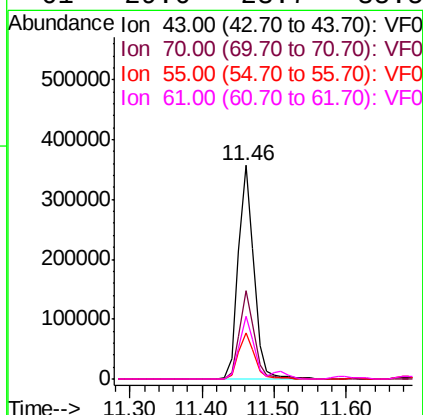
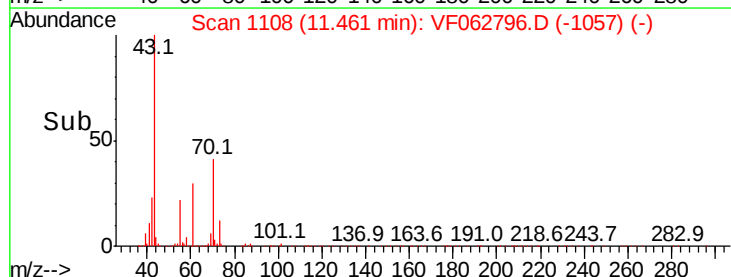
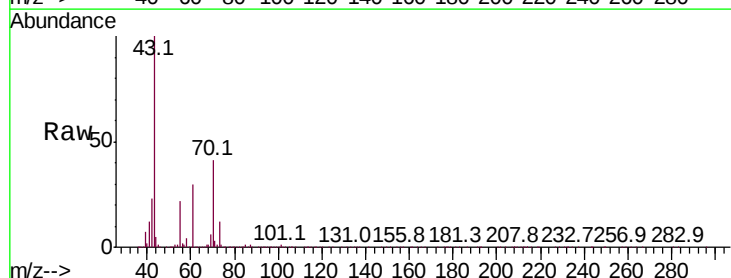
Ion Ratio Lower Upper

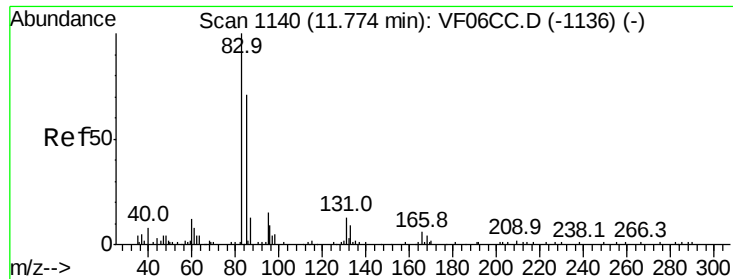
43 100

70 41.1 32.9 49.3

55 21.6 17.3 25.9

61 29.6 23.7 35.5





#75

1,1,2,2-Tetrachloroethane

Concen: 47.094 ug/l

RT: 11.79 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

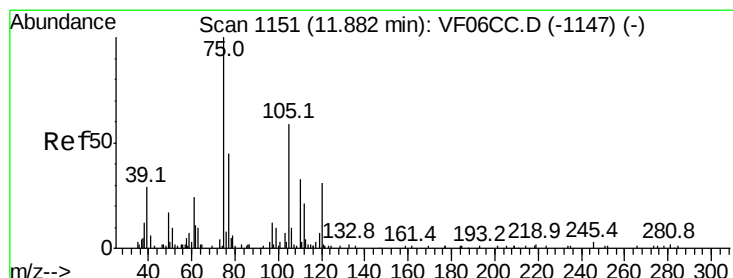
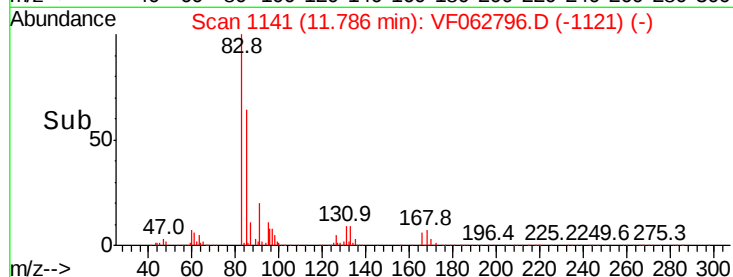
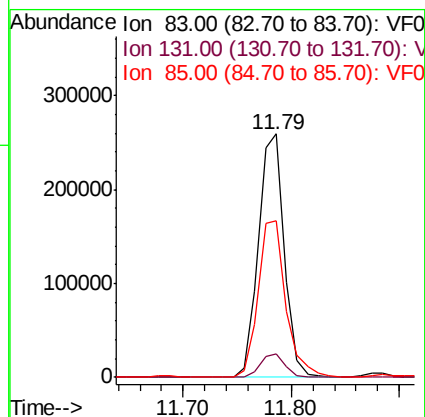
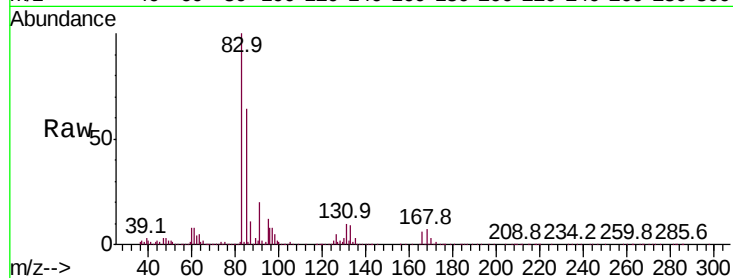
Tot Ion: 83 Resp: 433815

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.7

85 64.3 32.1 96.5



#76

1,2,3-Trichloropropane

Concen: 47.080 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. 0.00 min

Lab File: VF062796.D

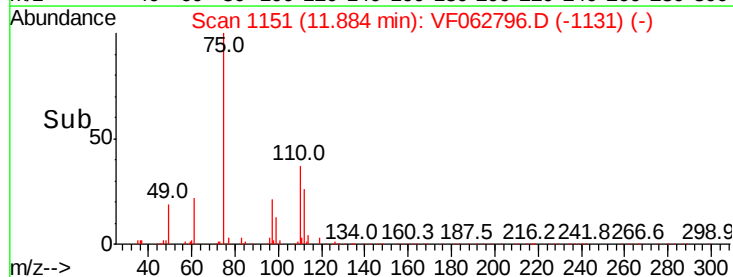
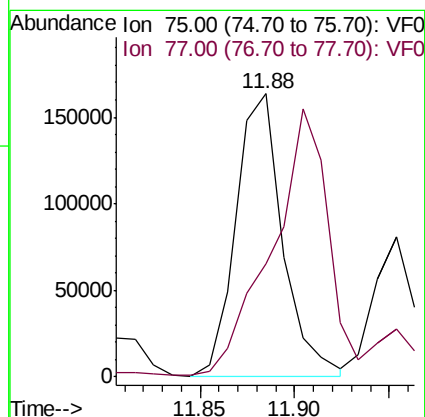
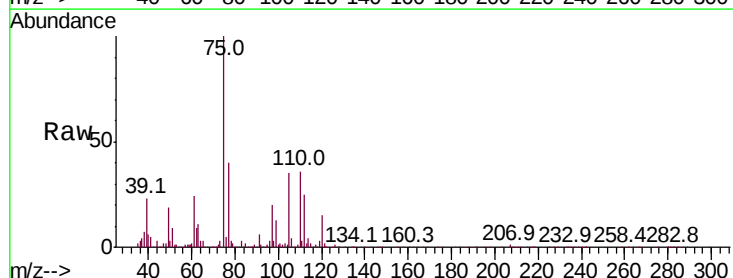
Acq: 30 May 2019 15:31

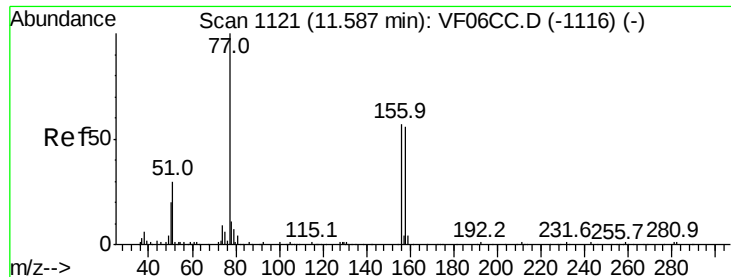
Tgt Ion: 75 Resp: 278935

Ion Ratio Lower Upper

75 100

77 40.1 20.1 60.2





#77

Bromobenzene

Concen: 48.135 ug/l

RT: 11.60 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

Instrument :

MSVOA_F

ClientSampleId :

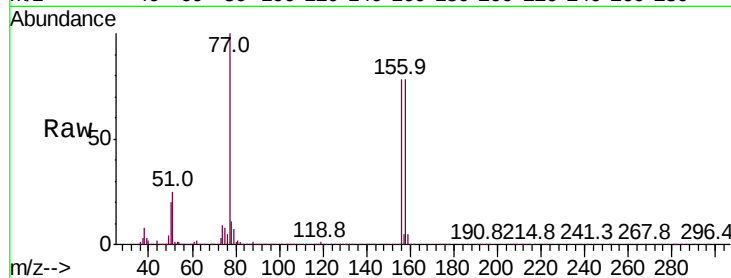
VSTDICCC050

Tot Ion:156 Resp: 502557

Ion	Ratio	Lower	Upper
156	100		
77	128.4	64.2	192.6
158	100.7	50.3	151.0

77 128.4 64.2 192.6

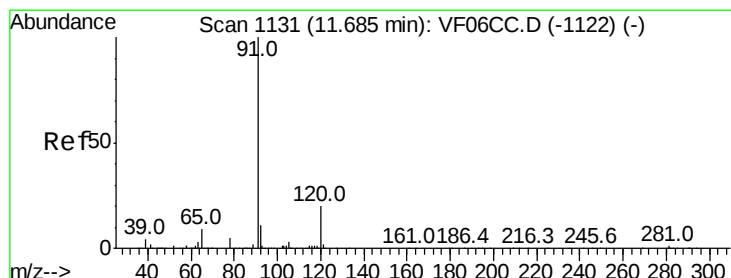
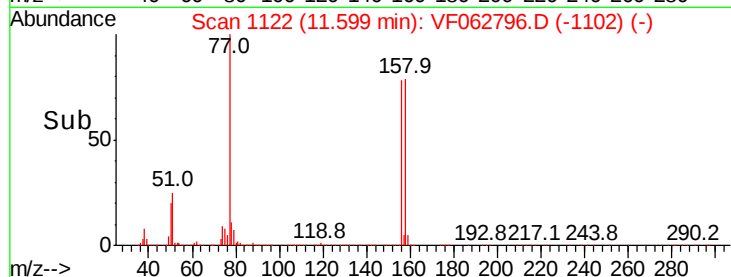
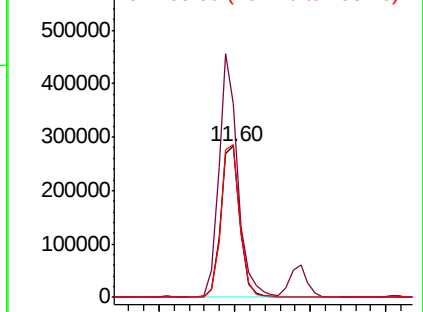
158 100.7 50.3 151.0



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: 46.896 ug/l

RT: 11.69 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF062796.D

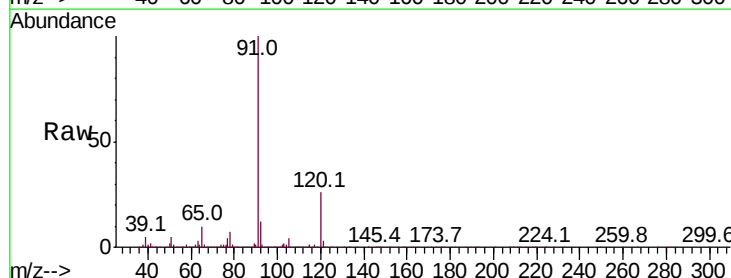
Acq: 30 May 2019 15:31

Tgt Ion: 91 Resp: 2481128

Ion	Ratio	Lower	Upper
91	100		
120	25.6	12.8	38.4

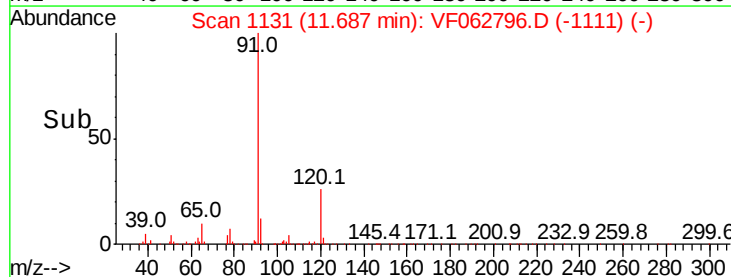
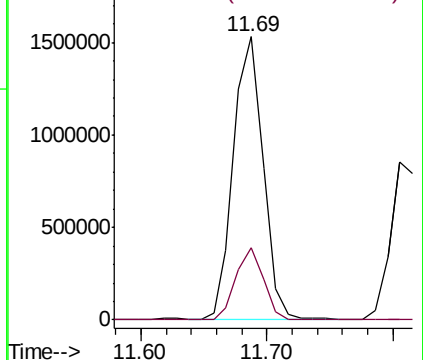
91 100

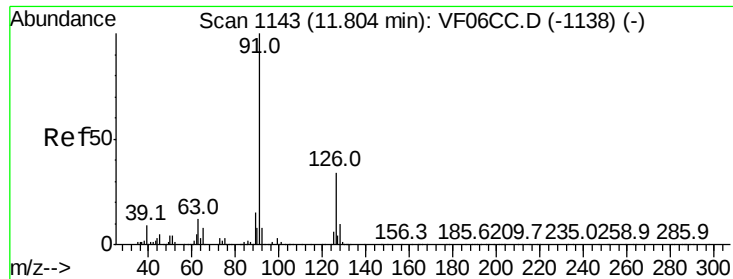
120 25.6 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

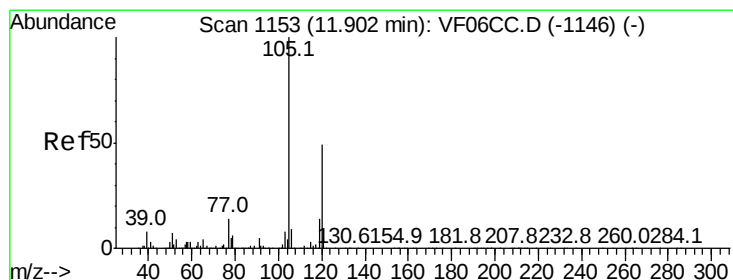
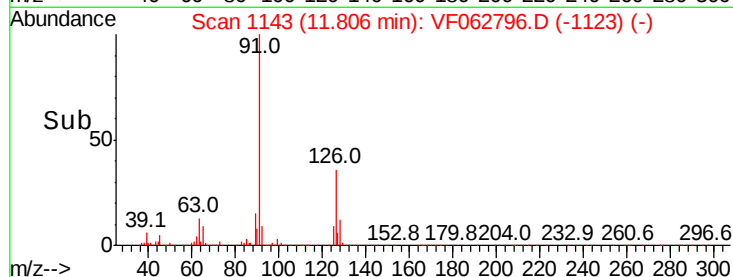
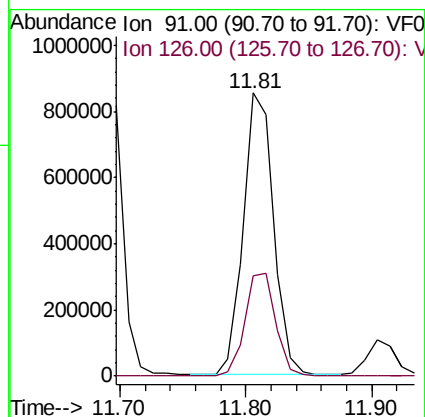
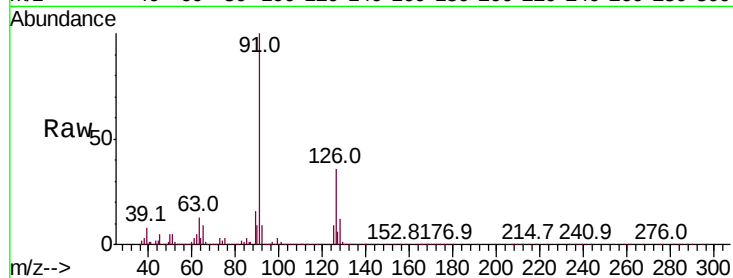




#79
 2-Chlorotoluene
 Concen: 48.844 ug/l
 RT: 11.81 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VF062796.D
 Acq: 30 May 2019 15:31

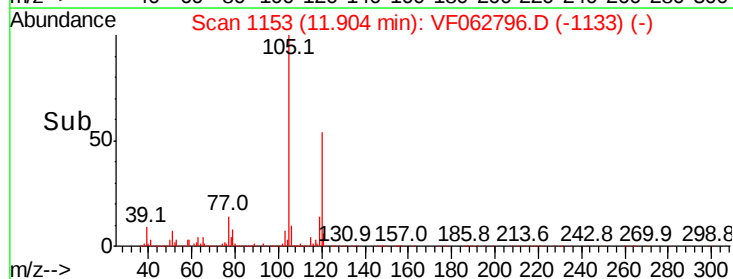
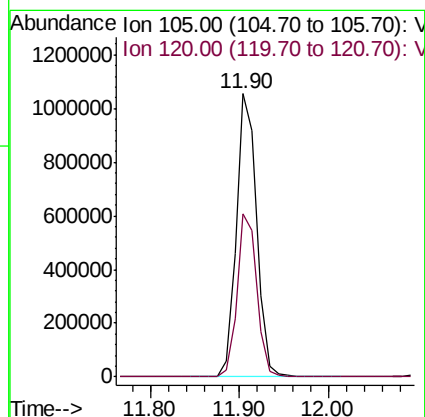
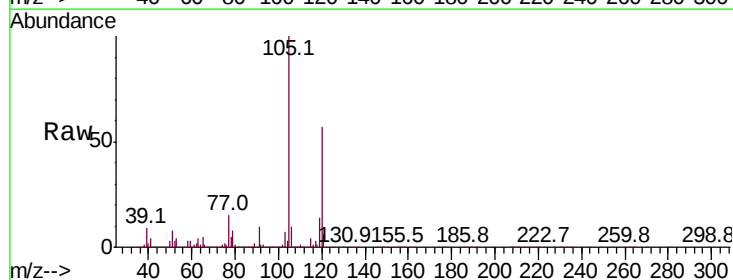
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

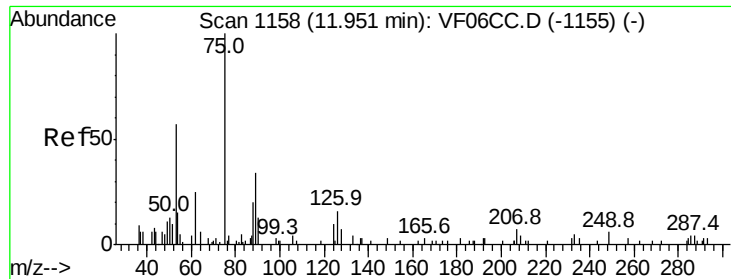
Tot Ion: 91 Resp: 1415533
 Ion Ratio Lower Upper
 91 100
 126 35.5 17.8 53.3



#80
 1,3,5-Trimethylbenzene
 Concen: 48.650 ug/l
 RT: 11.90 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VF062796.D
 Acq: 30 May 2019 15:31

Tgt Ion: 105 Resp: 1690827
 Ion Ratio Lower Upper
 105 100
 120 57.4 28.7 86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 40.827 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

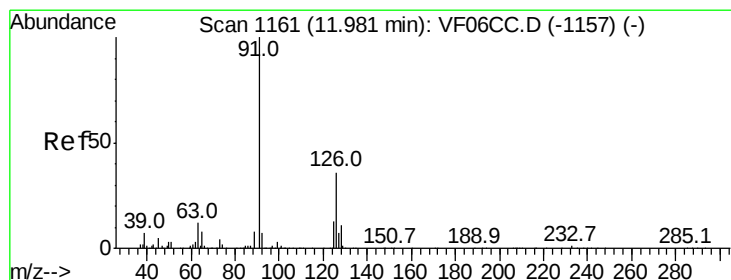
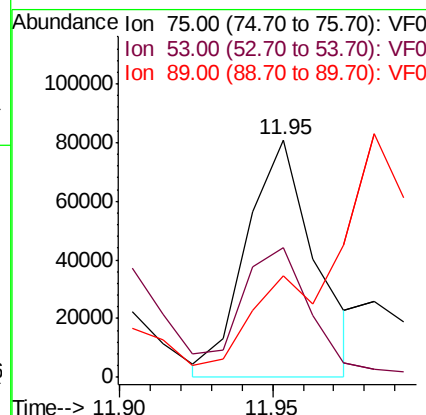
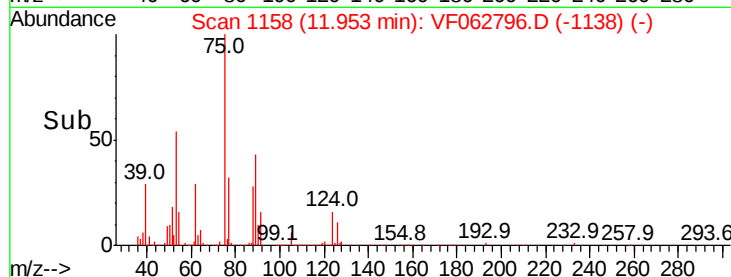
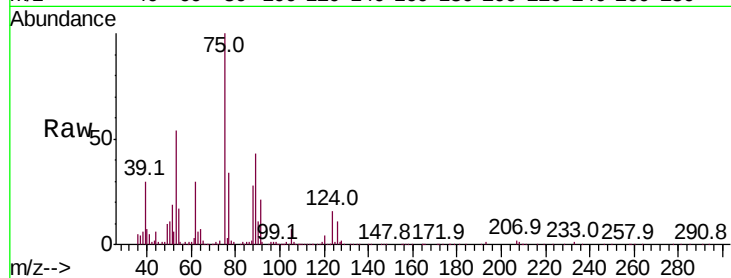
Tot Ion: 75 Resp: 126319

Ion Ratio Lower Upper

75 100

53 54.4 43.5 65.3

89 42.9 34.3 51.5



#82

4-Chlorotoluene

Concen: 48.205 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VF062796.D

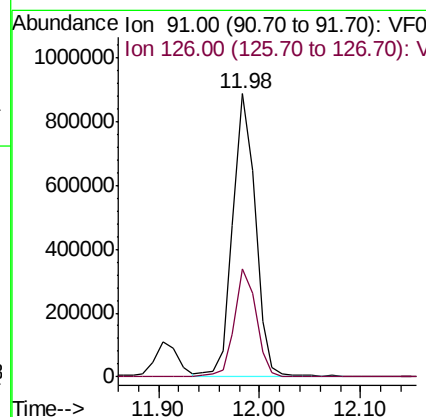
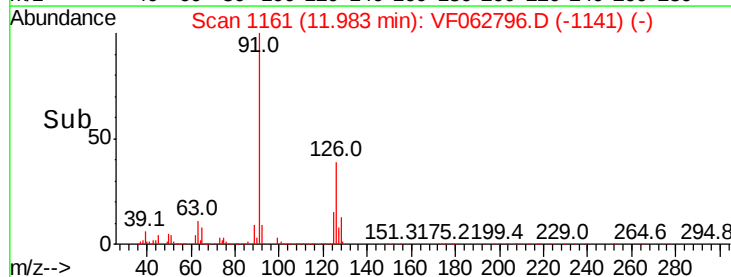
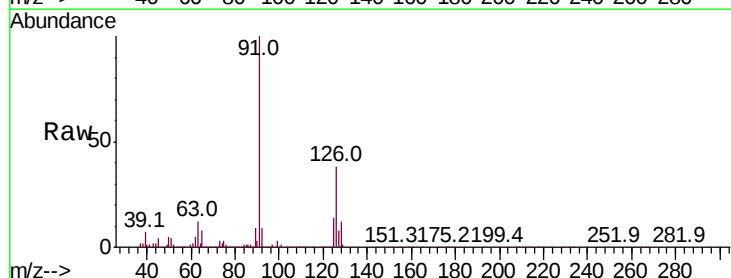
Acq: 30 May 2019 15:31

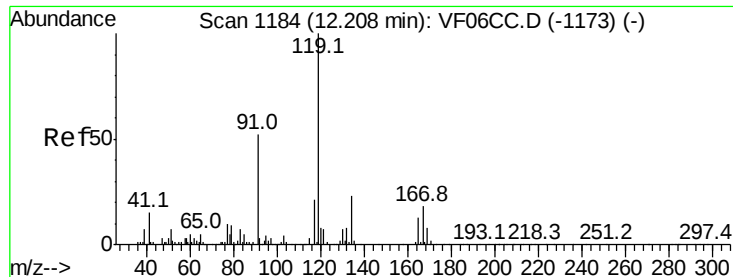
Tgt Ion: 91 Resp: 1384542

Ion Ratio Lower Upper

91 100

126 38.1 19.1 57.1





#83

tert-Butylbenzene

Concen: 48.764 ug/l

RT: 12.21 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

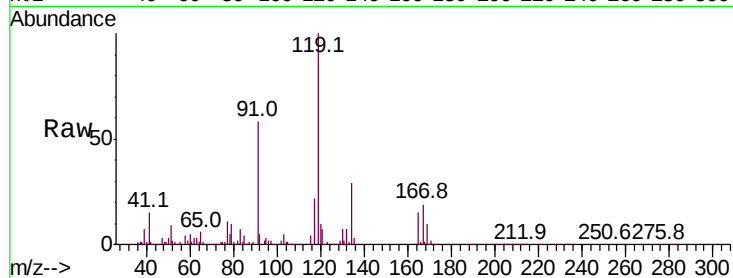
Tot Ion:119 Resp: 1646180

Ion Ratio Lower Upper

119 100

91 57.8 28.9 86.7

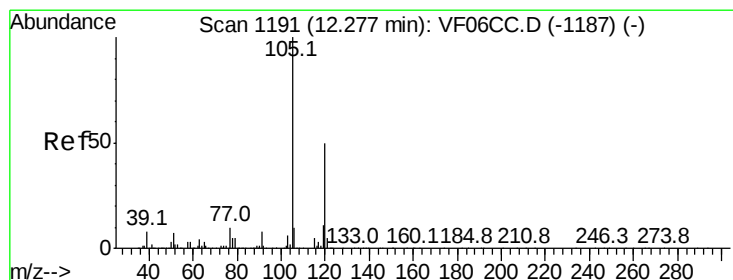
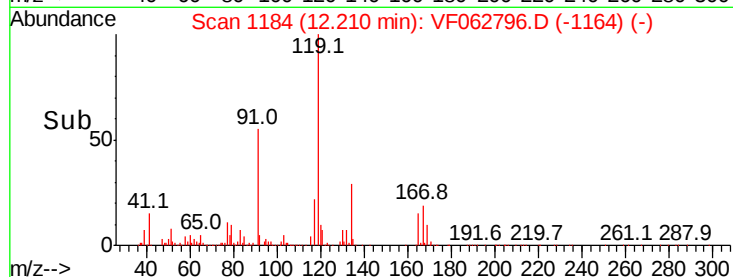
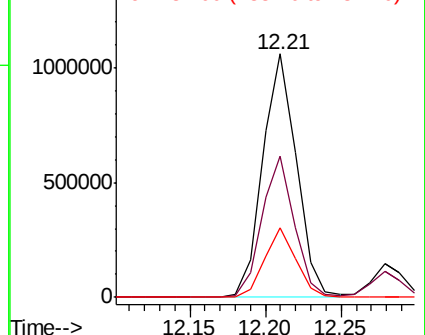
134 28.6 14.3 42.9



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: 47.736 ug/l

RT: 12.28 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VF062796.D

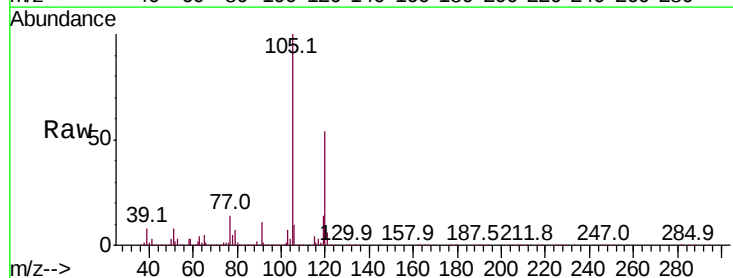
Acq: 30 May 2019 15:31

Tgt Ion:105 Resp: 1583597

Ion Ratio Lower Upper

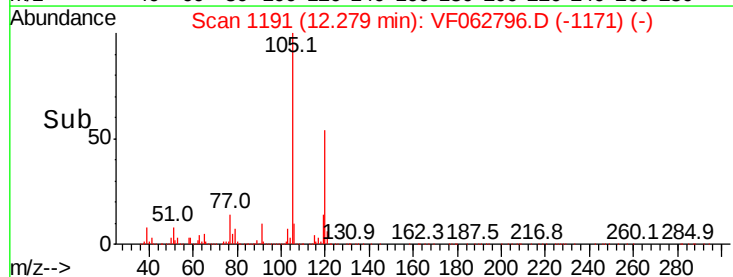
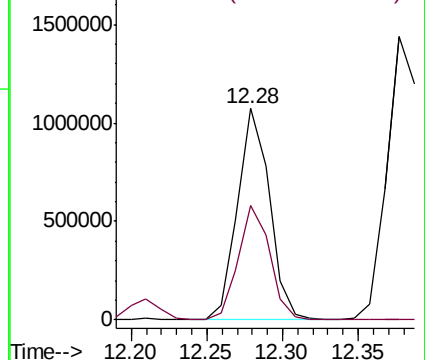
105 100

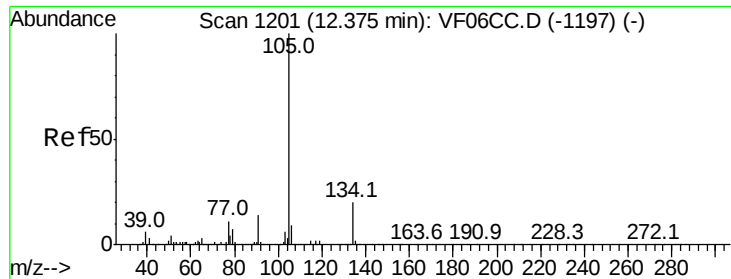
120 54.2 27.1 81.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

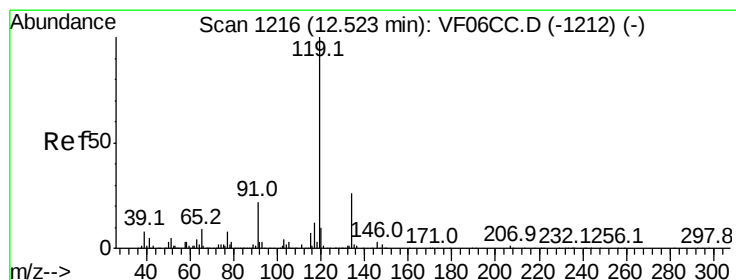
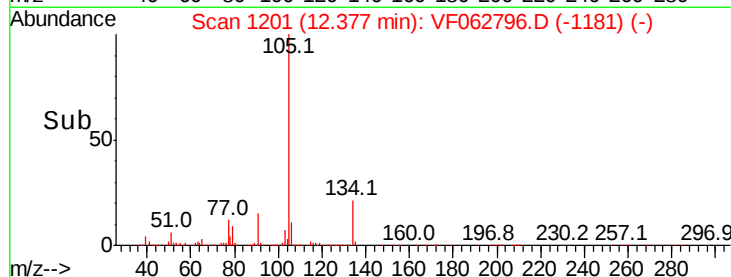
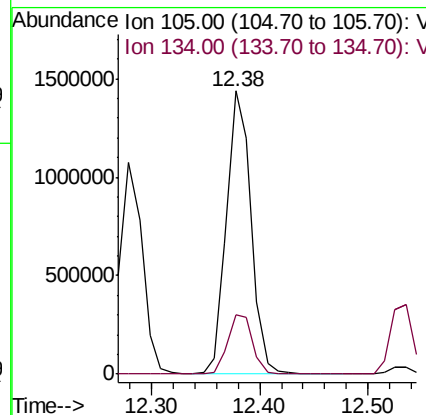
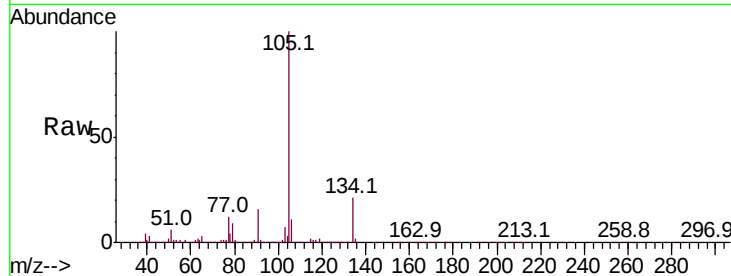




#85
 sec-Butylbenzene
 Concen: 49.299 ug/l
 RT: 12.38 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VF062796.D
 Acq: 30 May 2019 15:31

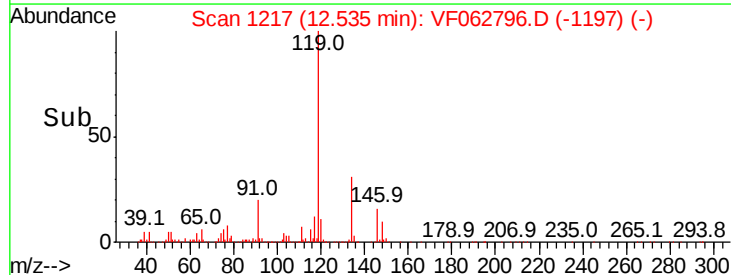
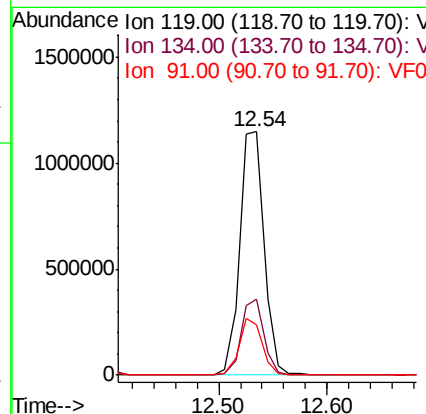
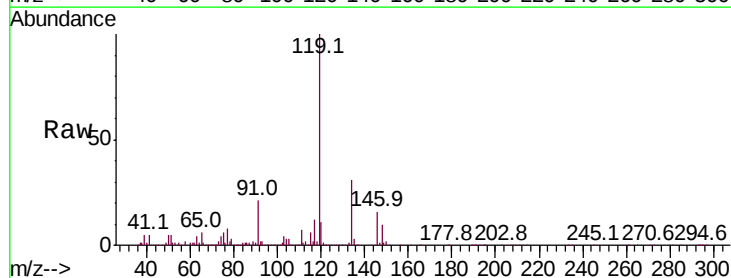
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

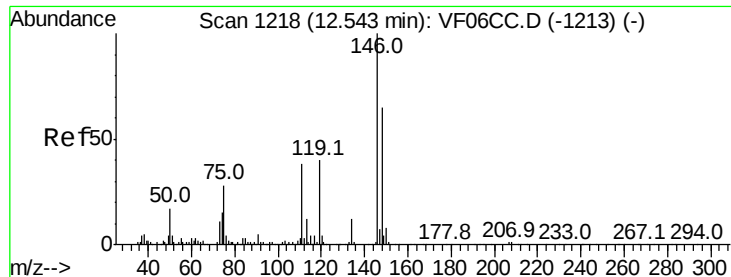
Tot Ion:105 Resp: 2274075
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.5 31.6



#86
 p-Isopropyltoluene
 Concen: 47.477 ug/l
 RT: 12.54 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VF062796.D
 Acq: 30 May 2019 15:31

Tgt Ion:119 Resp: 1801686
 Ion Ratio Lower Upper
 119 100
 134 31.0 15.5 46.5
 91 20.6 10.3 30.9





#87

1,3-Dichlorobenzene

Concen: 45.965 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

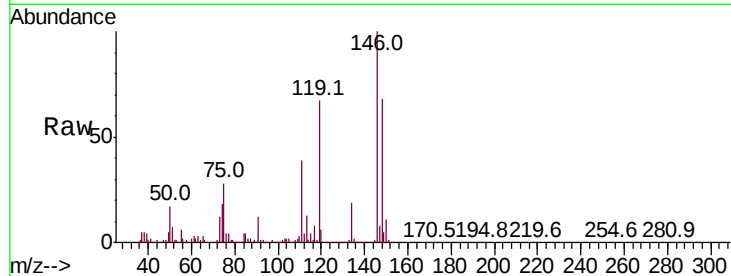
Tot Ion:146 Resp: 861664

Ion Ratio Lower Upper

146 100

111 39.2 19.6 58.8

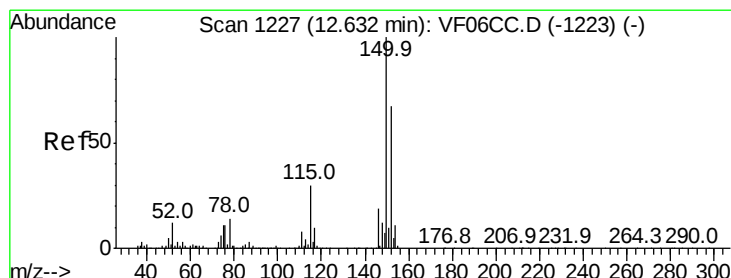
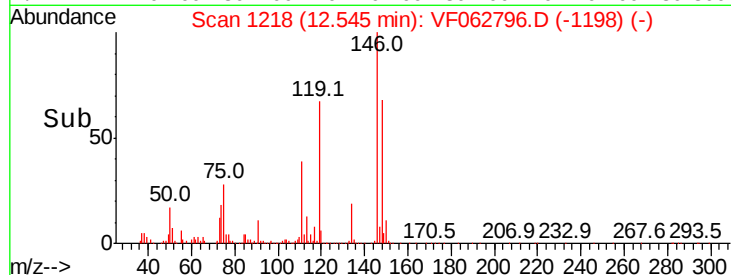
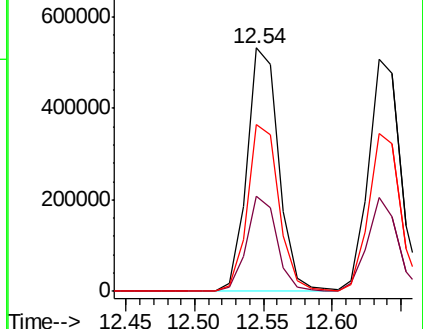
148 68.3 34.2 102.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 47.091 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

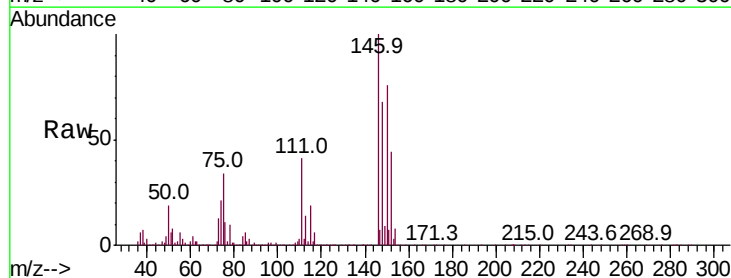
Tgt Ion:146 Resp: 823024

Ion Ratio Lower Upper

146 100

111 40.6 20.3 60.9

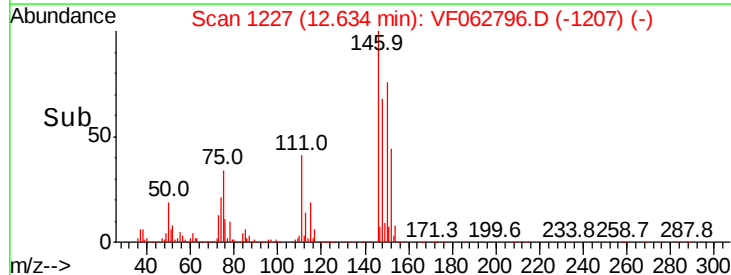
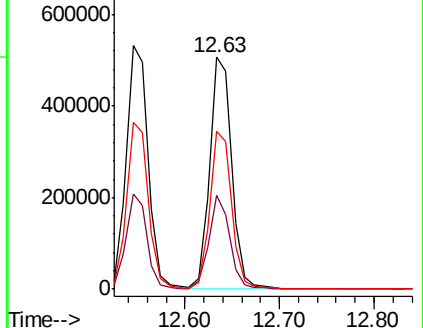
148 67.9 34.0 101.8

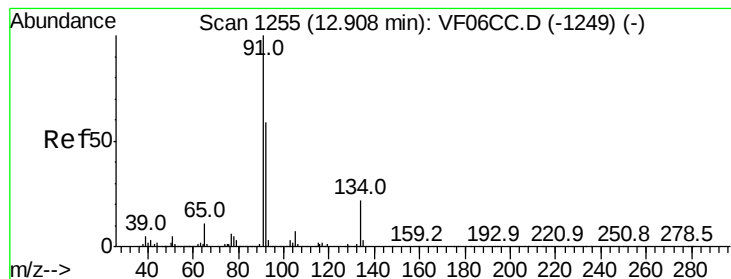


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



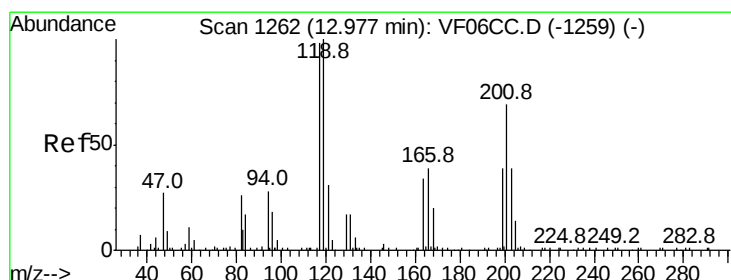
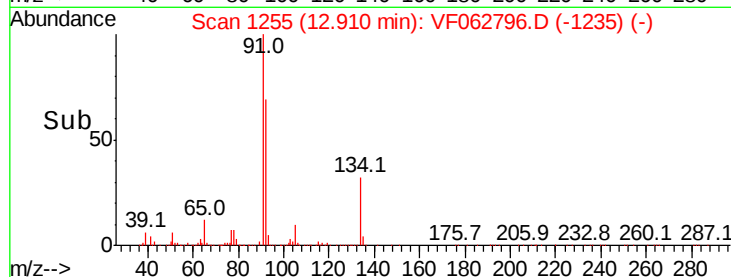
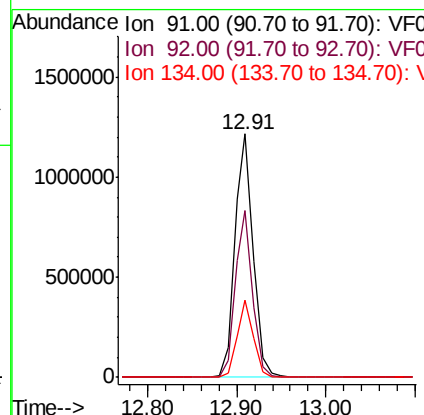
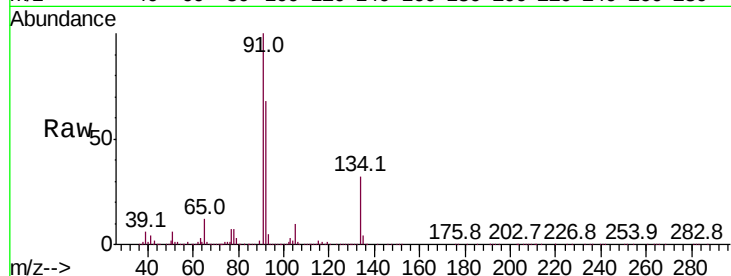


#89
n-Butylbenzene
Concen: 44.975 ug/l
RT: 12.91 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VF062796.D
Acq: 30 May 2019 15:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1759326

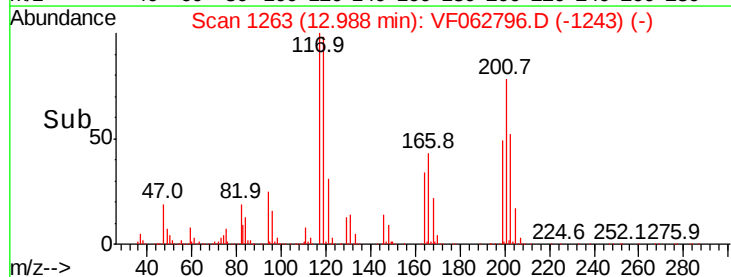
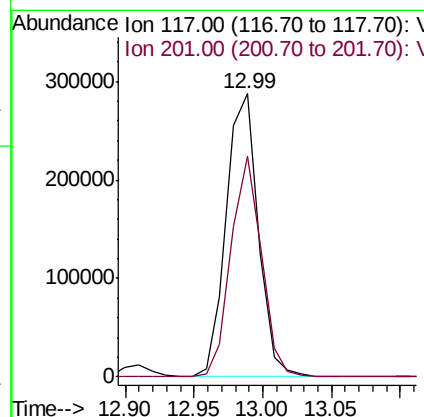
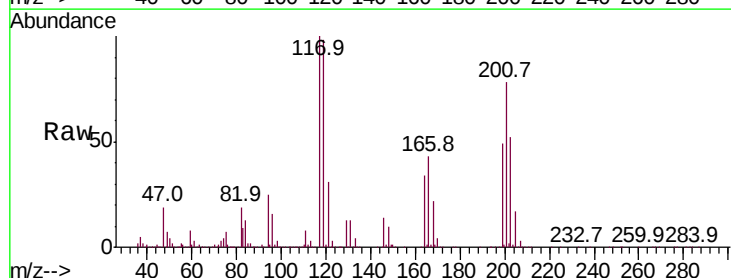
Ion	Ratio	Lower	Upper
91	100		
92	68.4	34.2	102.6
134	31.5	15.8	47.3

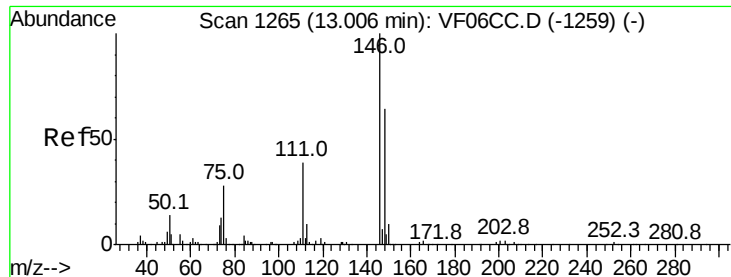


#90
Hexachloroethane
Concen: 51.551 ug/l
RT: 12.99 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VF062796.D
Acq: 30 May 2019 15:31

Tgt Ion: 117 Resp: 464491

Ion	Ratio	Lower	Upper
117	100		
201	77.8	38.9	116.7





#91

1,2-Dichlorobenzene

Concen: 48.180 ug/l

RT: 13.01 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

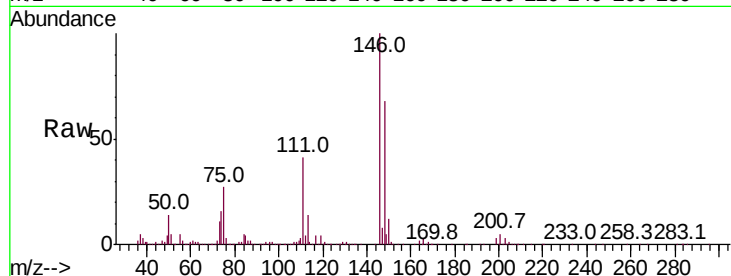
Tot Ion:146 Resp: 793002

Ion Ratio Lower Upper

146 100

111 40.9 20.4 61.3

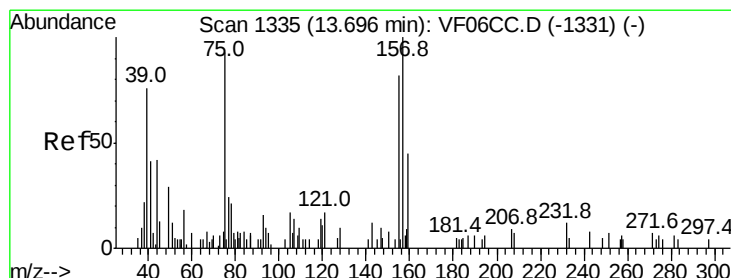
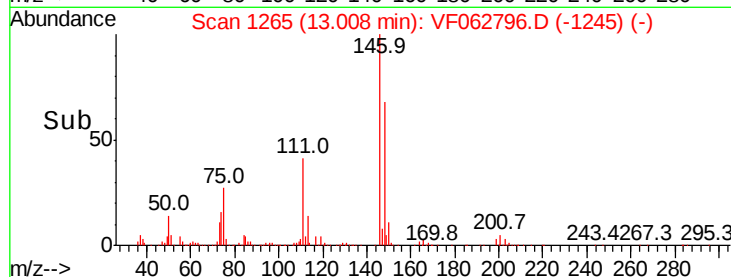
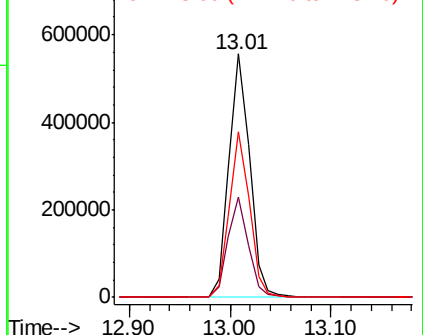
148 68.2 34.1 102.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.519 ug/l

RT: 13.70 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

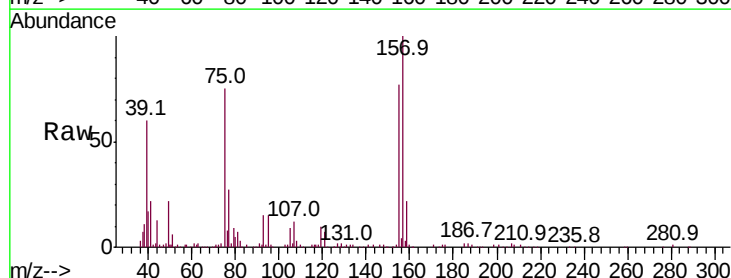
Tgt Ion: 75 Resp: 47575

Ion Ratio Lower Upper

75 100

155 103.4 51.7 155.1

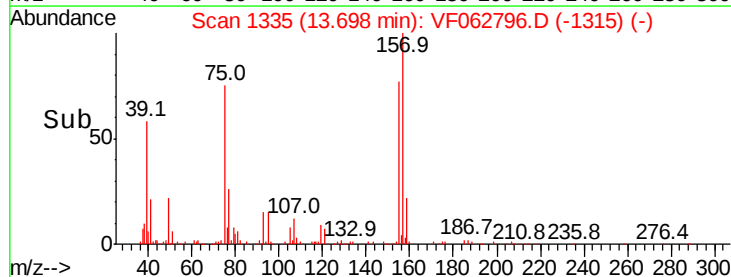
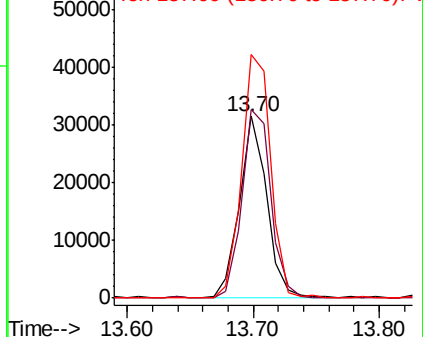
157 133.7 66.8 200.6

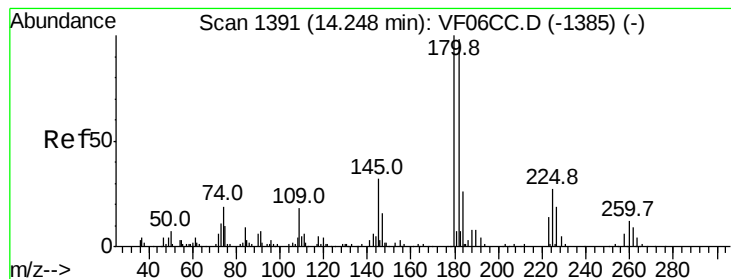


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#93

1,2,4-Trichlorobenzene

Concen: 49.250 ug/l

RT: 14.25 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

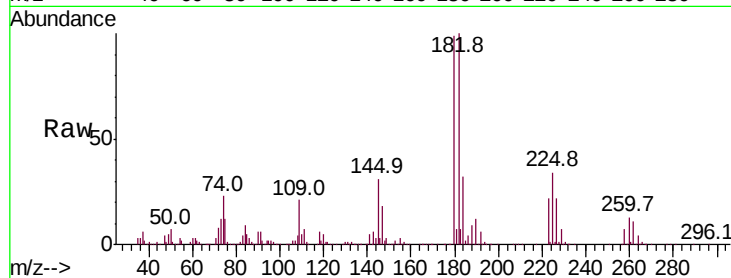
Tot Ion:180 Resp: 550145

Ion Ratio Lower Upper

180 100

182 100.6 50.3 150.9

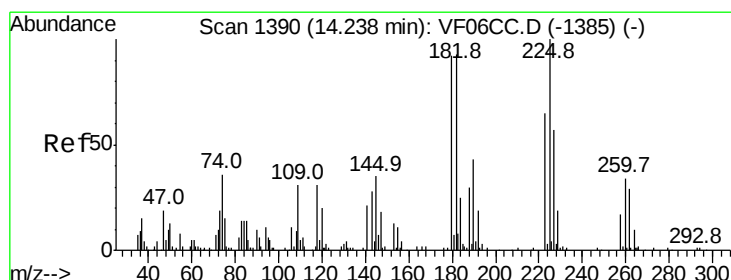
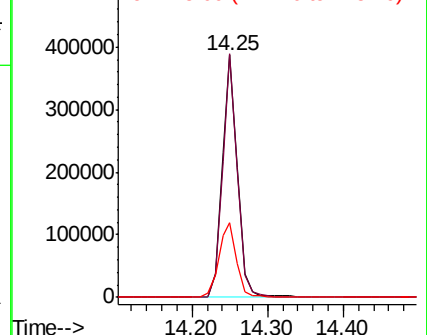
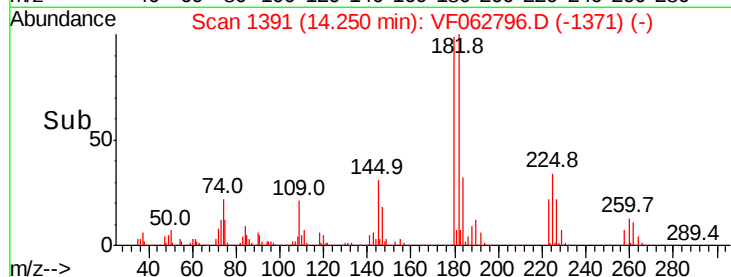
145 30.8 15.4 46.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94

Hexachlorobutadiene

Concen: 51.121 ug/l

RT: 14.24 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

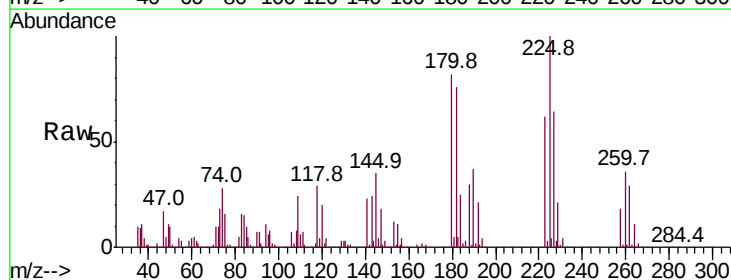
Tgt Ion:225 Resp: 392366

Ion Ratio Lower Upper

225 100

223 61.6 30.8 92.4

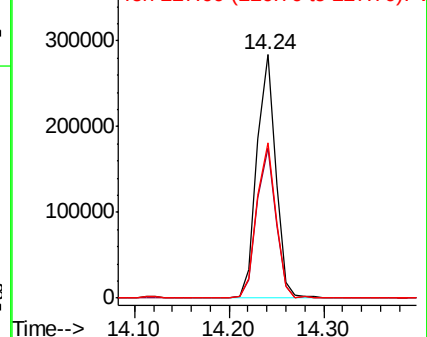
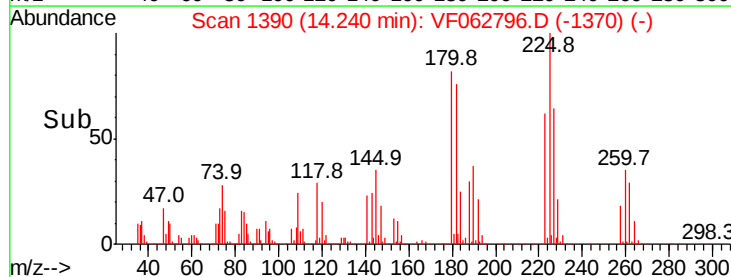
227 63.7 31.9 95.5

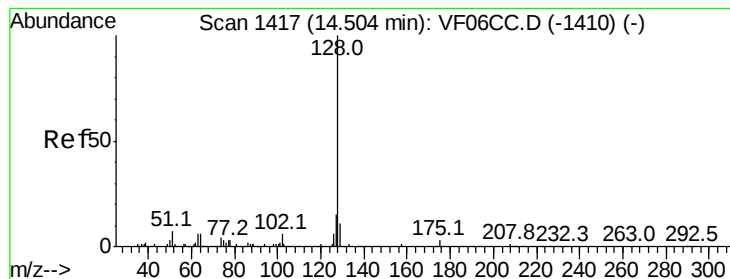


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 51.199 ug/l

RT: 14.51 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

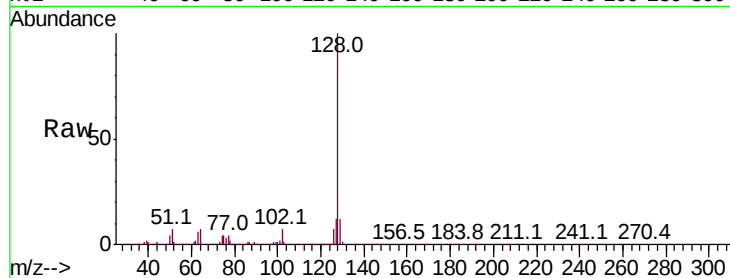
Tot Ion:128 Resp: 908365

Ion Ratio Lower Upper

128 100

127 12.1 9.7 14.5

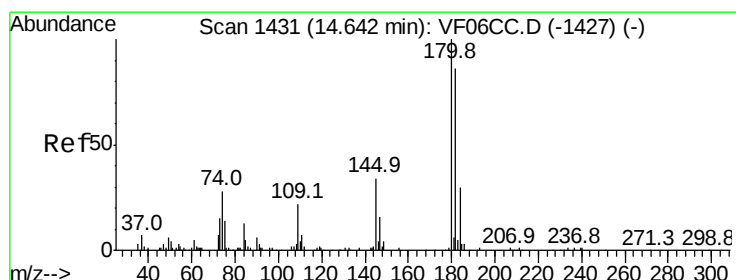
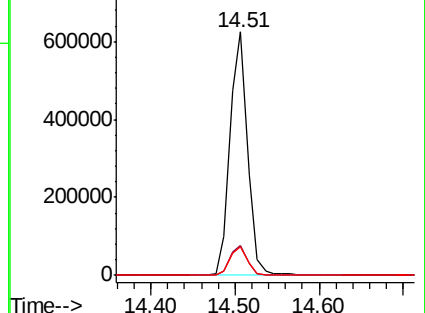
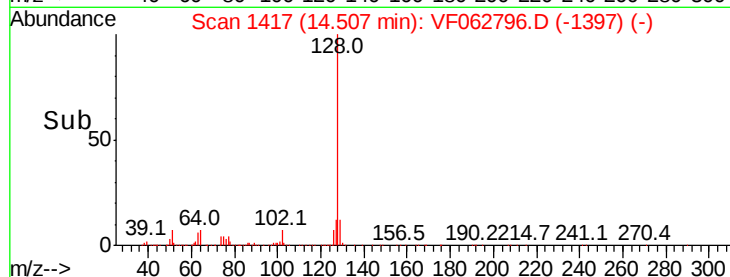
129 11.8 9.4 14.2



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: 50.352 ug/l

RT: 14.64 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VF062796.D

Acq: 30 May 2019 15:31

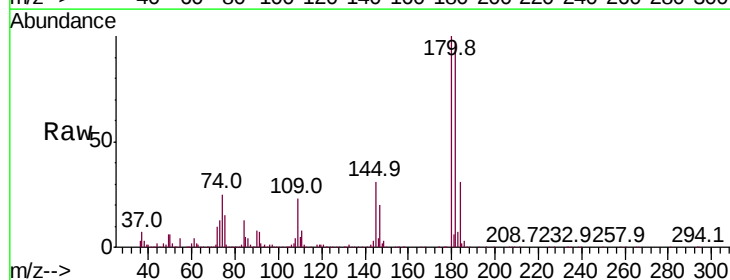
Tgt Ion:180 Resp: 497907

Ion Ratio Lower Upper

180 100

182 97.3 48.6 145.9

145 31.3 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

