

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051719\
 Data File : VF062633.D
 Acq On : 17 May 2019 12:17
 Operator : FY/SY
 Sample : VF0517SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 18 01:37:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	758943	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1235647	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	924273	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	451019	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.05	65	238246	44.42	ug/l	0.01
Spiked Amount	50.000		Recovery	=	88.84%	
35) Dibromofluoromethane	4.32	113	448970	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	
50) Toluene-d8	7.72	98	1044519	46.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.54%	
62) 4-Bromofluorobenzene	11.51	95	370796	43.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.62%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.01	85	210813	20.412	ug/l 100
3) Chloromethane	1.16	50	192375	20.229	ug/l 97
4) Vinyl Chloride	1.19	62	182349	20.831	ug/l 99
5) Bromomethane	1.39	94	97531	20.366	ug/l # 75
6) Chloroethane	1.45	64	64192	19.967	ug/l # 81
7) Trichlorofluoromethane	1.57	101	166516	14.167	ug/l 98
8) Diethyl Ether	1.72	74	51175	21.978	ug/l 91
9) 1,1,2-Trichlorotrifluoroet	1.92	101	162768	21.748	ug/l 97
10) Methyl Iodide	2.00	142	253733	17.258	ug/l 98
11) Tert butyl alcohol	2.71	59	37256	105.221	ug/l # 90
12) 1,1-Dichloroethene	1.88	96	140319	20.581	ug/l 95
13) Acrolein	2.11	56	42224	114.242	ug/l 96
14) Allyl chloride	2.21	41	118544	19.211	ug/l 97
15) Acrylonitrile	3.10	53	161872	162.070	ug/l # 90
16) Acetone	2.36	43	126233	90.727	ug/l 90
17) Carbon Disulfide	1.92	76	180017	8.908	ug/l 100
18) Methyl Acetate	2.48	43	48794	22.317	ug/l 97
19) Methyl tert-butyl Ether	2.56	73	270656	22.207	ug/l 97
20) Methylene Chloride	2.35	84	98882	14.179	ug/l 94
21) trans-1,2-Dichloroethene	2.43	96	126852	19.036	ug/l 97
22) Diisopropyl ether	2.95	45	323815	21.277	ug/l 98
23) Vinyl Acetate	3.35	43	1198197	116.713	ug/l 98
24) 1,1-Dichloroethane	3.02	63	247025	22.126	ug/l 98
25) 2-Butanone	4.54	43	320681	107.878	ug/l 100
26) 2,2-Dichloropropane	3.79	77	147064	23.022	ug/l 87
27) cis-1,2-Dichloroethene	3.66	96	252710	23.055	ug/l 97
28) Bromochloromethane	3.92	49	120082	19.178	ug/l 97
29) Tetrahydrofuran	4.29	42	138194	114.883	ug/l 97
30) Chloroform	4.06	83	334855	21.602	ug/l 100
31) Cyclohexane	3.89	56	227291	15.162	ug/l 96
32) 1,1,1-Trichloroethane	4.30	97	225939	21.948	ug/l 94
36) 1,1-Dichloropropene	4.49	75	288007	22.747	ug/l 96
37) Ethyl Acetate	4.32	43	119928	23.198	ug/l # 74
38) Carbon Tetrachloride	4.20	117	189934	19.946	ug/l 98

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 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	349618	22.948	ug/l	95
40) Benzene	4.84	78	781855	22.667	ug/l	97
41) Methacrylonitrile	4.94	41	61690	22.761	ug/l	96
42) 1,2-Dichloroethane	5.15	62	152906	22.229	ug/l	93
43) Isopropyl Acetate	7.13	43	138416	20.667	ug/l	93
44) Trichloroethene	5.70	130	220731	22.769	ug/l	93
45) 1,2-Dichloropropane	6.42	63	198736	22.824	ug/l	98
46) Dibromomethane	6.27	93	118079	23.465	ug/l	98
47) Bromodichloromethane	6.57	83	235217	22.515	ug/l	97
48) Methyl methacrylate	6.89	41	74288	21.221	ug/l	94
49) 1,4-Dioxane	6.88	88	20340	453.644	ug/l #	77
51) 4-Methyl-2-Pentanone	8.41	43	518501	113.258	ug/l	96
52) Toluene	7.79	92	415405	22.963	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	186502	21.821	ug/l	97
54) cis-1,3-Dichloropropene	7.47	75	275252	23.006	ug/l	98
55) 1,1,2-Trichloroethane	8.65	97	118159	22.060	ug/l	95
56) Ethyl methacrylate	8.77	69	141371	22.154	ug/l	94
57) 1,3-Dichloropropane	9.01	76	213307	23.381	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.46	63	227085	109.328	ug/l	100
59) 2-Hexanone	9.63	43	355327	109.260	ug/l	100
60) Dibromochloromethane	8.87	129	158506	22.706	ug/l	95
61) 1,2-Dibromoethane	9.14	107	131555	23.124	ug/l	96
64) Tetrachloroethene	8.31	164	168266	22.980	ug/l	95
65) Chlorobenzene	9.95	112	422994	23.301	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.08	131	167489	22.982	ug/l	96
67) Ethyl Benzene	10.04	91	721443	22.876	ug/l	94
68) m/p-Xylenes	10.26	106	497531	41.975	ug/l	88
69) o-Xylene	10.83	106	277761	22.751	ug/l	99
70) Styrene	10.90	104	405675	21.862	ug/l	98
71) Bromoform	10.88	173	79398	21.753	ug/l #	97
73) Isopropylbenzene	11.22	105	769291	23.799	ug/l	94
74) N-amyl acetate	11.46	43	210169	22.595	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	150047	22.713	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	95662	22.039	ug/l	97
77) Bromobenzene	11.58	156	182028	22.654	ug/l	96
78) n-propylbenzene	11.68	91	860392	22.490	ug/l	95
79) 2-Chlorotoluene	11.80	91	487224	22.599	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	594457	22.934	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.95	75	52398	27.157	ug/l	96
82) 4-Chlorotoluene	11.98	91	505101	23.757	ug/l	96
83) tert-Butylbenzene	12.21	119	601922	22.889	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	573268	22.851	ug/l	96
85) sec-Butylbenzene	12.37	105	786083	22.274	ug/l	94
86) p-Isopropyltoluene	12.52	119	709332	23.850	ug/l	97
87) 1,3-Dichlorobenzene	12.54	146	329571	22.671	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	320433	23.489	ug/l	98
89) n-Butylbenzene	12.91	91	683309	23.302	ug/l	93
90) Hexachloroethane	12.98	117	161758	22.672	ug/l	72
91) 1,2-Dichlorobenzene	13.00	146	300875	23.219	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	17398	22.076	ug/l	94

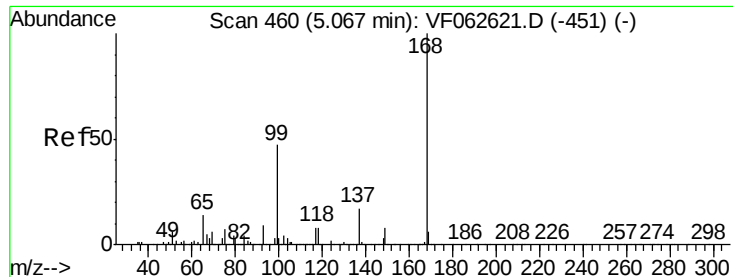
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051719\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	213274	22.993	ug/l	94
94) Hexachlorobutadiene	14.24	225	144737	22.360	ug/l	98
95) Naphthalene	14.50	128	365555	21.694	ug/l	98
96) 1,2,3-Trichlorobenzene	14.64	180	196845	22.405	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

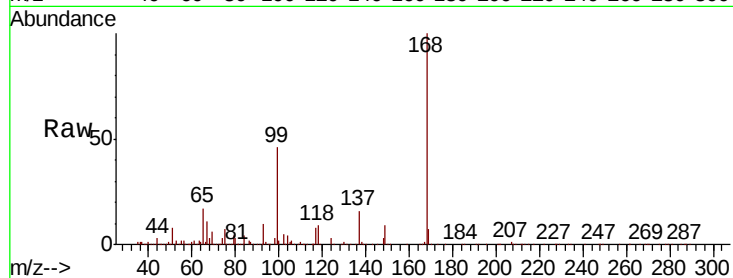
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 758943

Ion Ratio Lower Upper

168 100

99 45.8 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.07

250000

200000

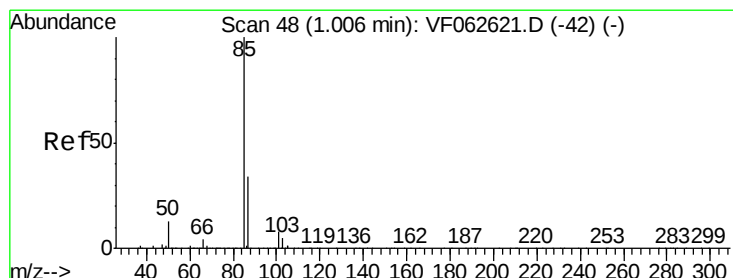
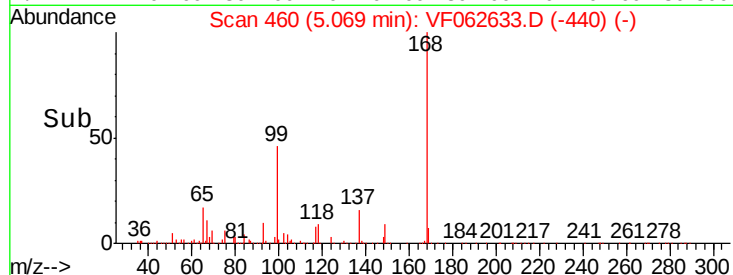
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.412 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062633.D

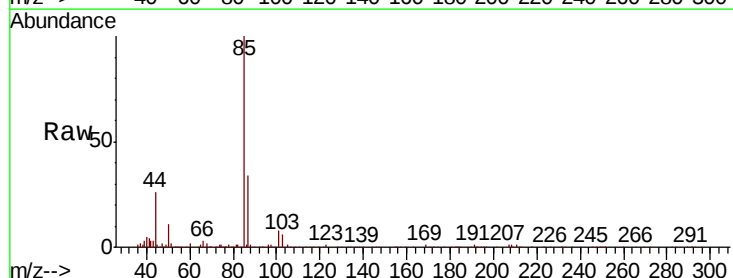
Acq: 17 May 2019 12:17

Tgt Ion: 85 Resp: 210813

Ion Ratio Lower Upper

85 100

87 33.6 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

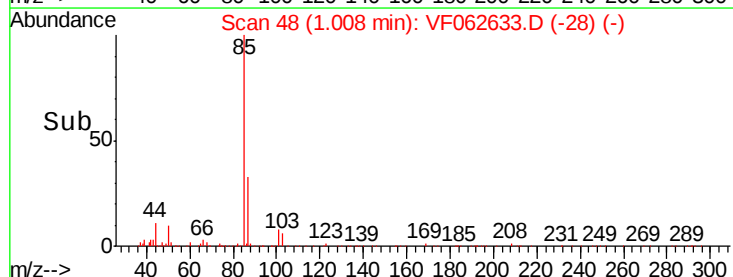
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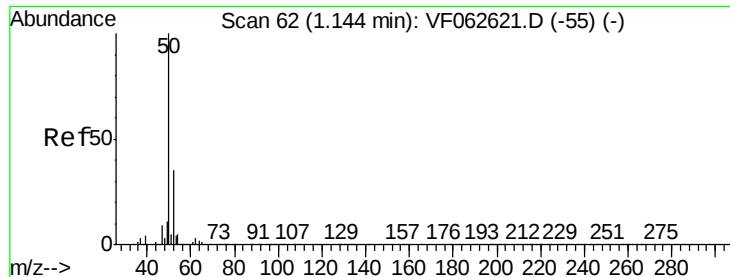
40000

20000

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Time-->





#3

Chloromethane

Concen: 20.229 ug/l

RT: 1.16 min Scan# 63

Delta R.T. 0.01 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

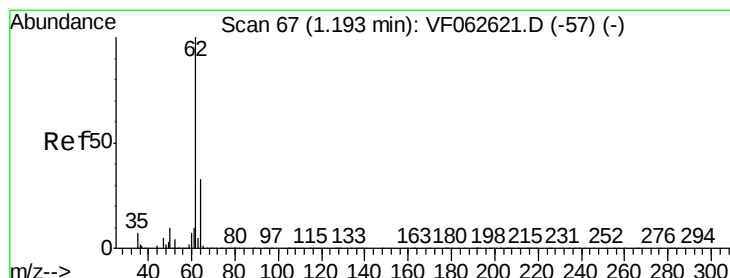
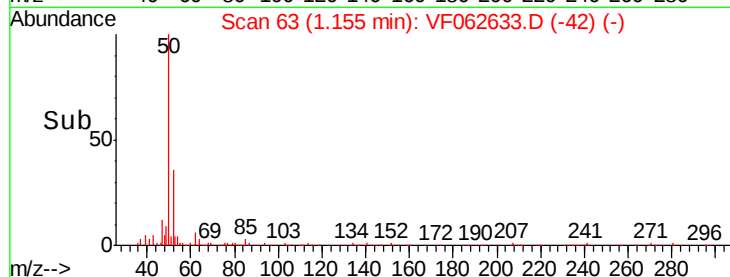
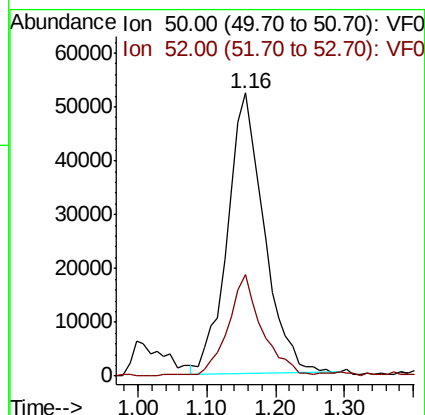
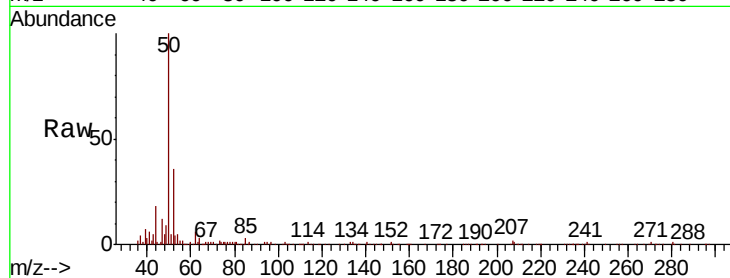
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 192375

Ion Ratio Lower Upper

50 100

52 36.0 27.5 41.3



#4

Vinyl Chloride

Concen: 20.831 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062633.D

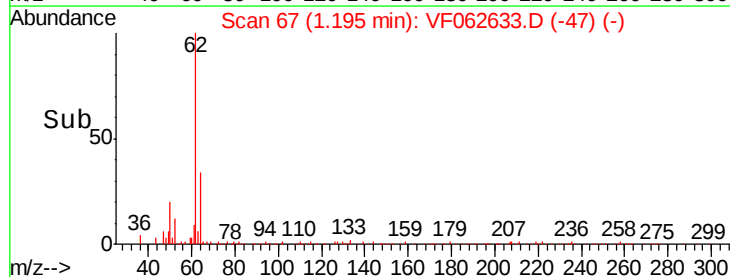
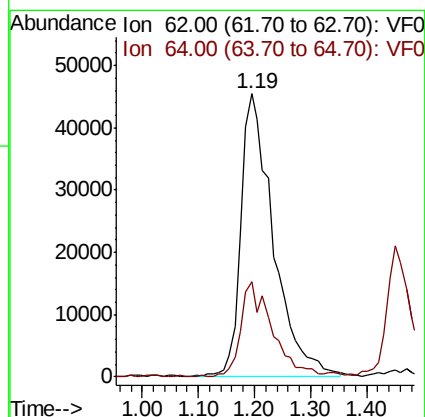
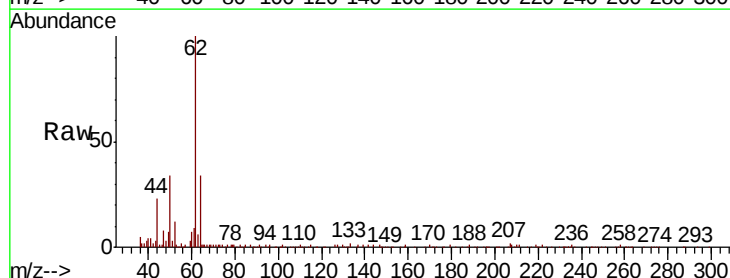
Acq: 17 May 2019 12:17

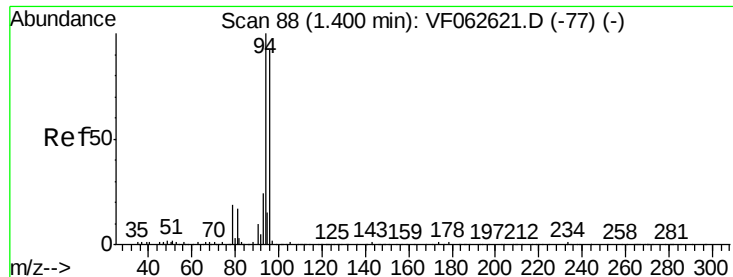
Tgt Ion: 62 Resp: 182349

Ion Ratio Lower Upper

62 100

64 33.8 26.7 40.1





#5

Bromomethane

Concen: 20.366 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :

MSVOA_F

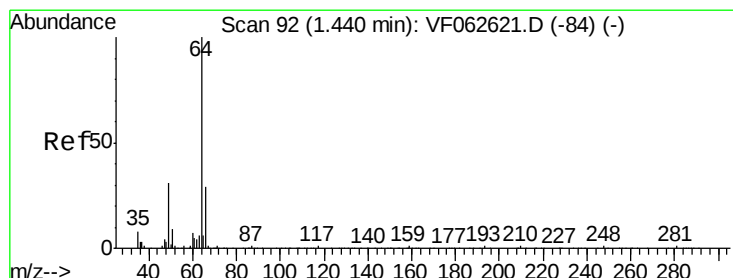
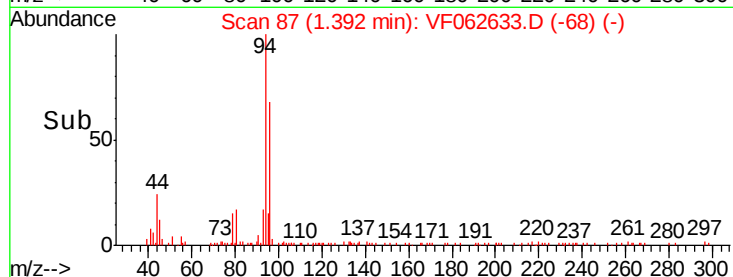
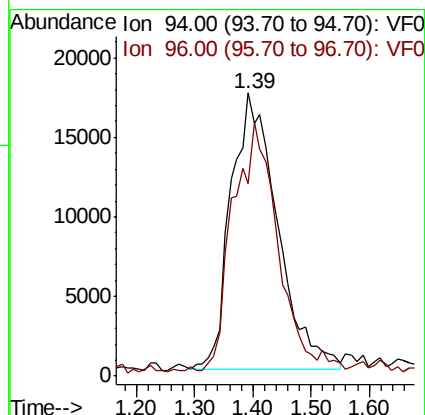
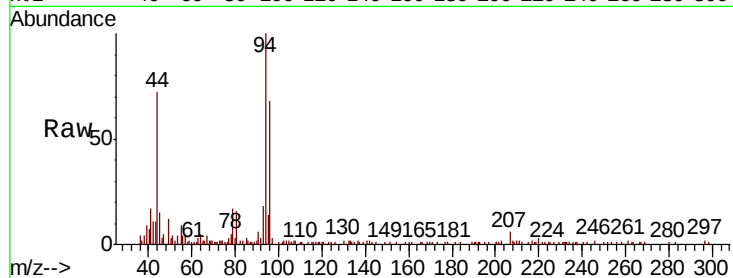
ClientSampleId :

Tot Ion: 94 Resp: 97531

Ion Ratio Lower Upper

94 100

96 68.0 73.2 109.8#



#6

Chloroethane

Concen: 19.967 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.01 min

Lab File: VF062633.D

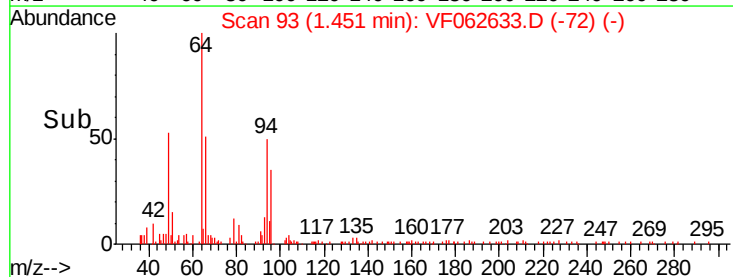
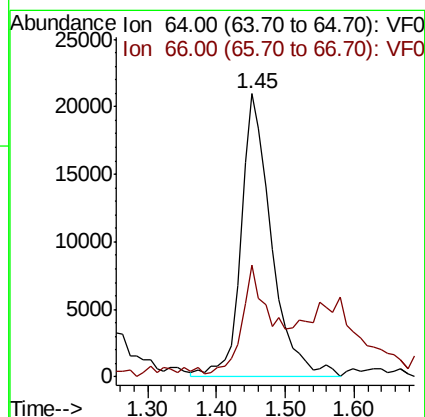
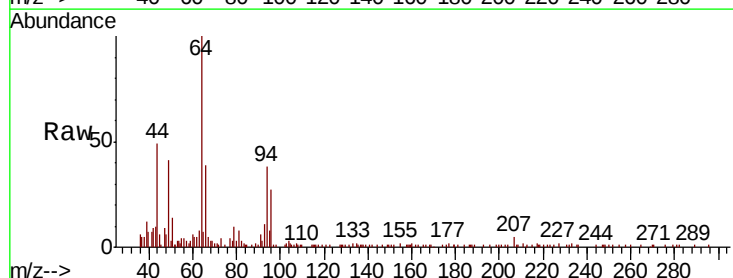
Acq: 17 May 2019 12:17

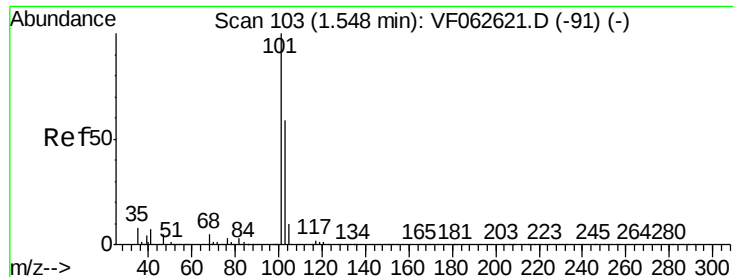
Tgt Ion: 64 Resp: 64192

Ion Ratio Lower Upper

64 100

66 39.4 23.4 35.2#



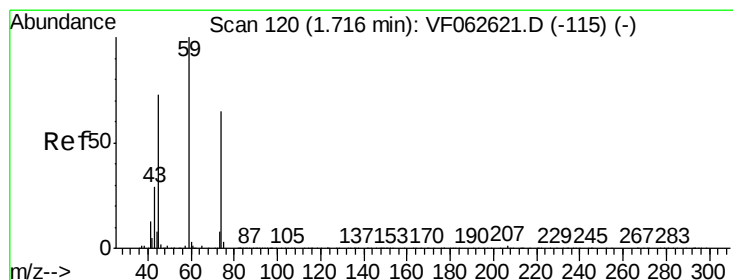
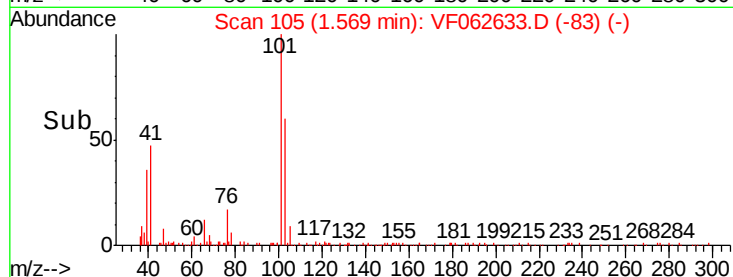
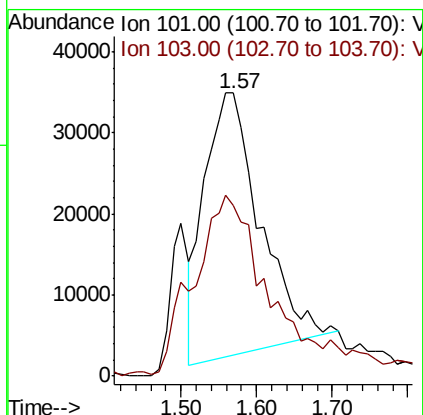
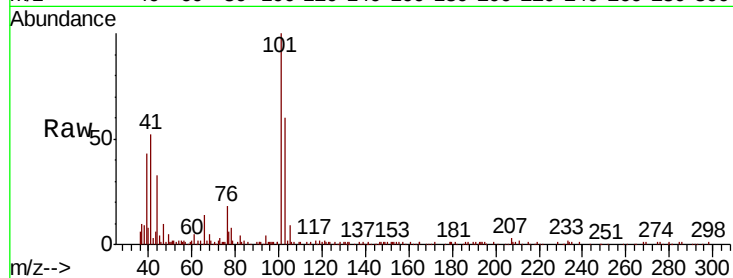


#7

Trichlorofluoromethane
 Concen: 14.167 ug/l
 RT: 1.57 min Scan# 105
 Delta R.T. 0.02 min
 Lab File: VF062633.D
 Acq: 17 May 2019 12:17

Instrument :
 MSVOA_F
 ClientSampleId :

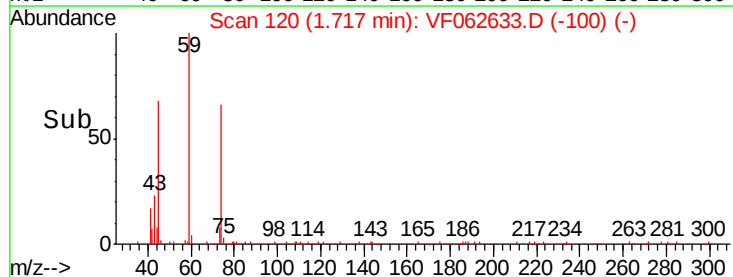
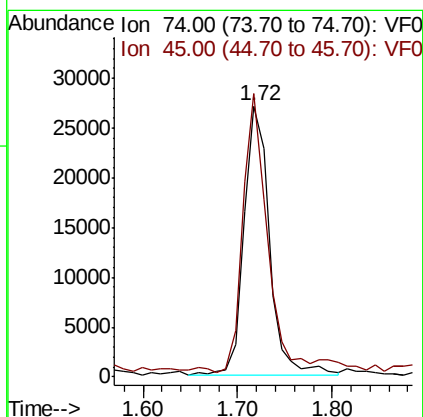
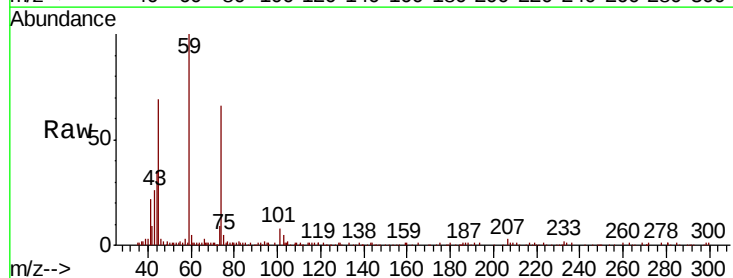
Tot Ion:101 Resp: 166516
 Ion Ratio Lower Upper
 101 100
 103 60.3 47.3 70.9

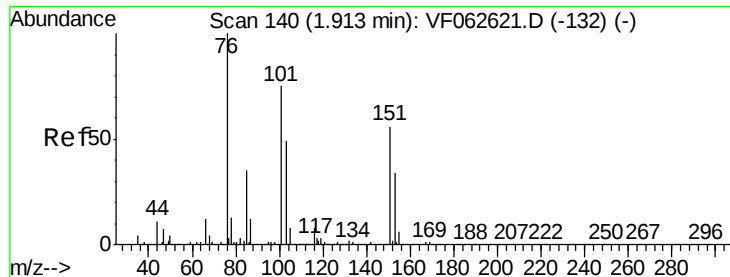


#8

Diethyl Ether
 Concen: 21.978 ug/l
 RT: 1.72 min Scan# 120
 Delta R.T. 0.00 min
 Lab File: VF062633.D
 Acq: 17 May 2019 12:17

Tgt Ion: 74 Resp: 51175
 Ion Ratio Lower Upper
 74 100
 45 104.4 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.748 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

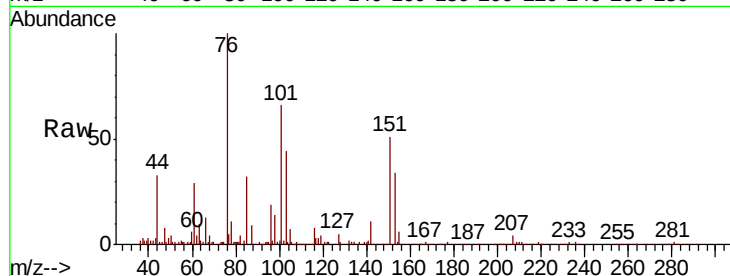
Tot Ion:101 Resp: 162768

Ion Ratio Lower Upper

101 100

85 48.2 37.1 55.7

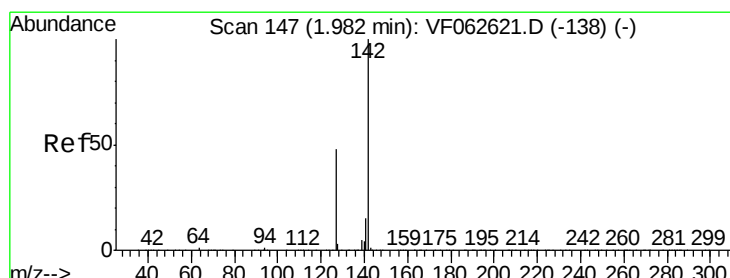
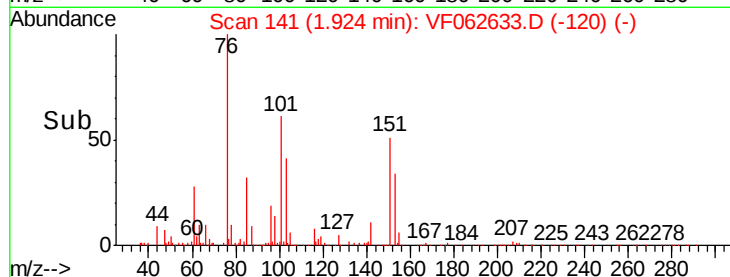
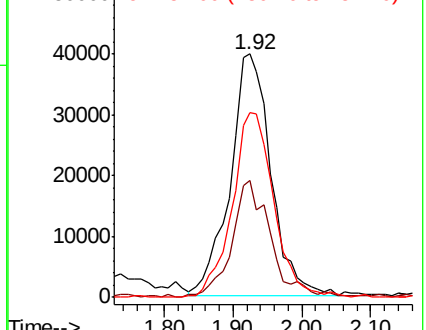
151 76.0 58.8 88.2



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: 17.258 ug/l

RT: 2.00 min Scan# 149

Delta R.T. 0.02 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

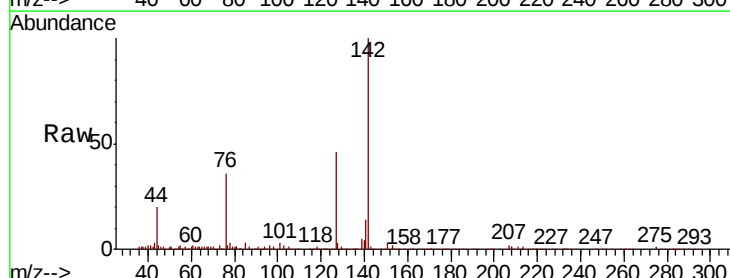
Tgt Ion:142 Resp: 253733

Ion Ratio Lower Upper

142 100

127 46.4 38.1 57.1

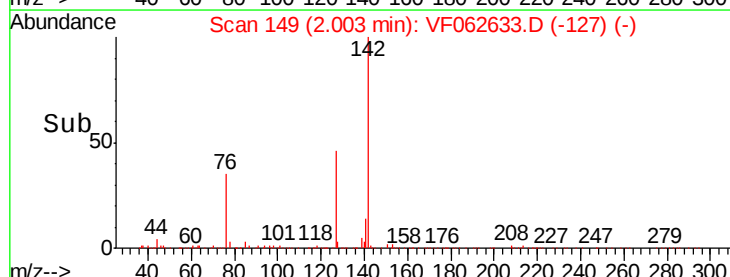
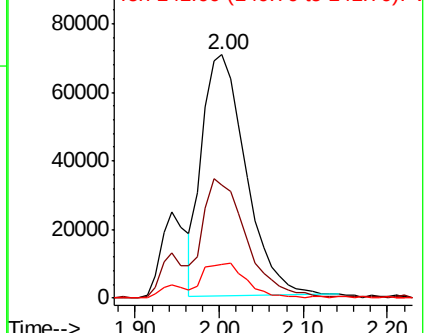
141 13.7 11.7 17.5

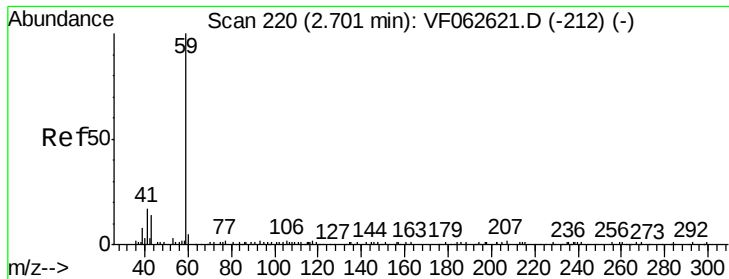


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

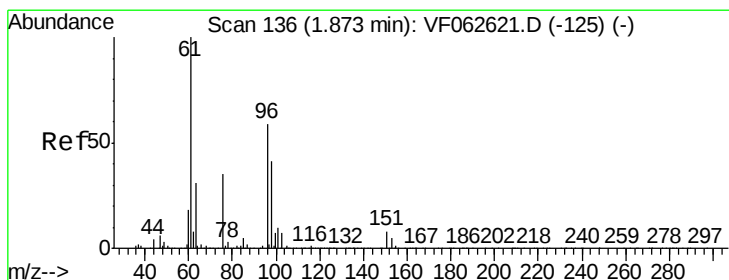
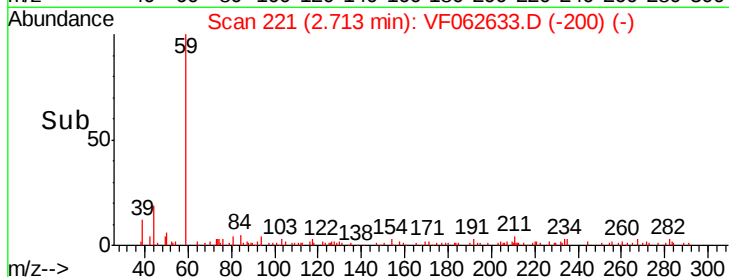
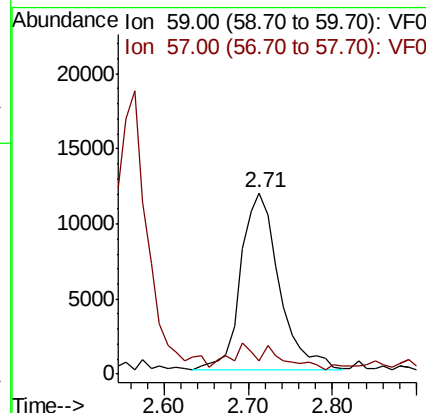
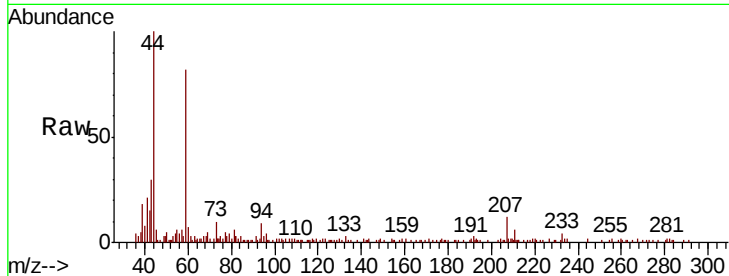




#11
Tert butyl alcohol
Concen: 105.221 ug/l
RT: 2.71 min Scan# 221
Delta R.T. 0.01 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

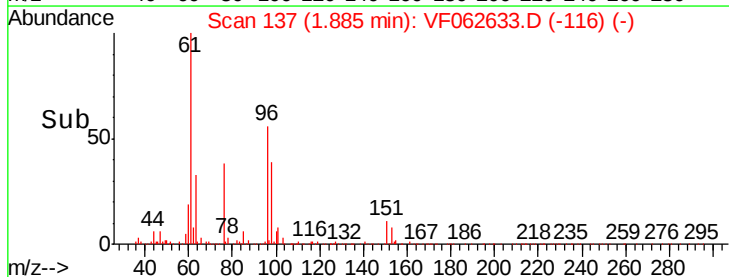
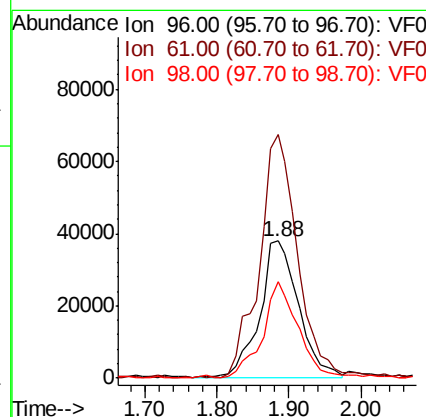
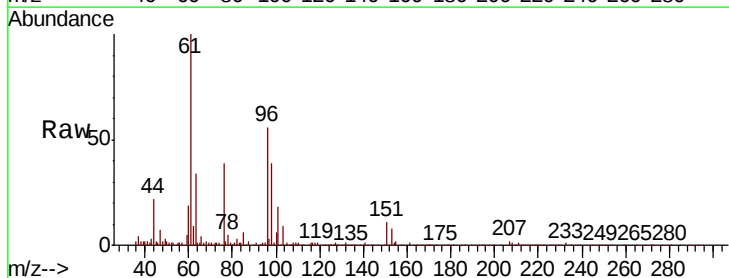
Instrument :
MSVOA_F
ClientSampleId :

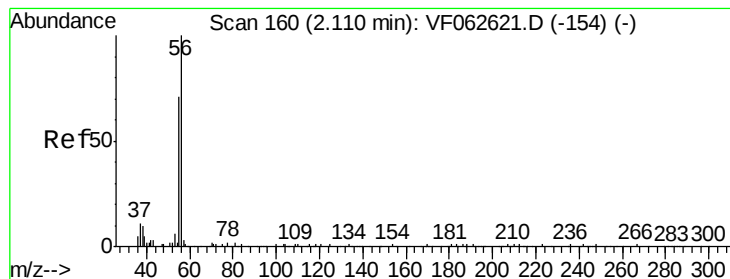
Tot Ion: 59 Resp: 37256
Ion Ratio Lower Upper
59 100
57 7.7 9.3 13.9#



#12
1,1-Dichloroethene
Concen: 20.581 ug/l
RT: 1.88 min Scan# 137
Delta R.T. 0.01 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

Tgt Ion: 96 Resp: 140319
Ion Ratio Lower Upper
96 100
61 177.4 134.3 201.5
98 69.9 55.0 82.6





#13

Acrolein

Concen: 114.242 ug/l

RT: 2.11 min Scan# 160

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

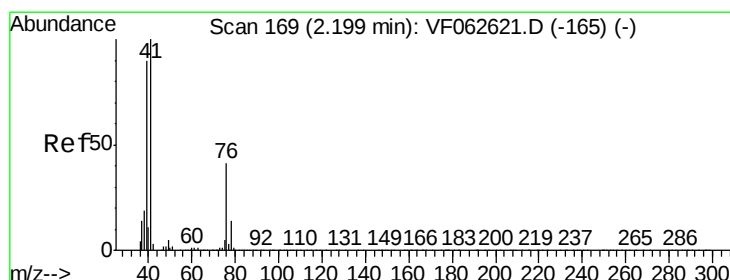
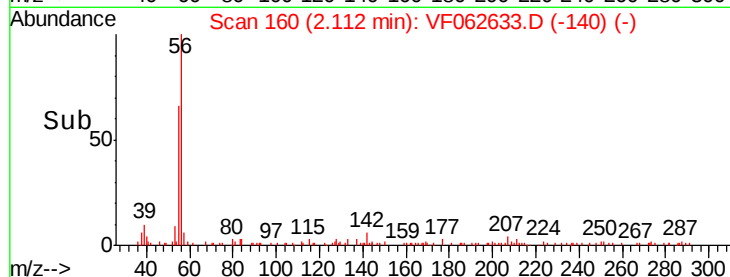
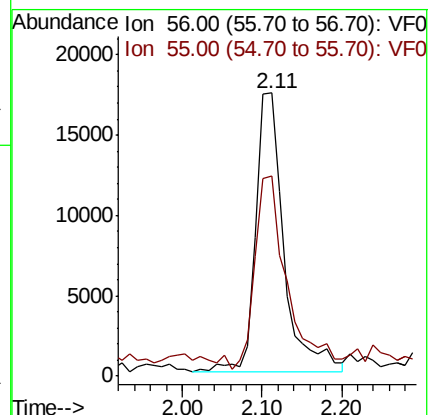
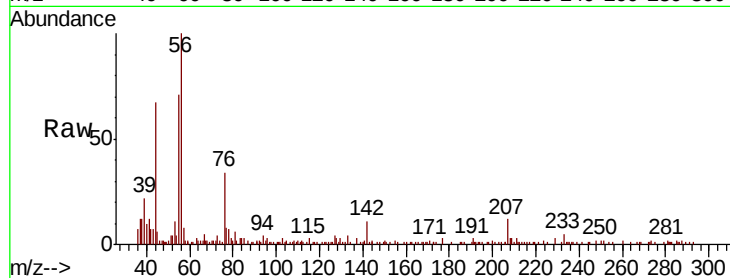
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 42224

Ion Ratio Lower Upper

56 100

55 70.8 59.4 89.0



#14

Allyl chloride

Concen: 19.211 ug/l

RT: 2.21 min Scan# 170

Delta R.T. 0.01 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

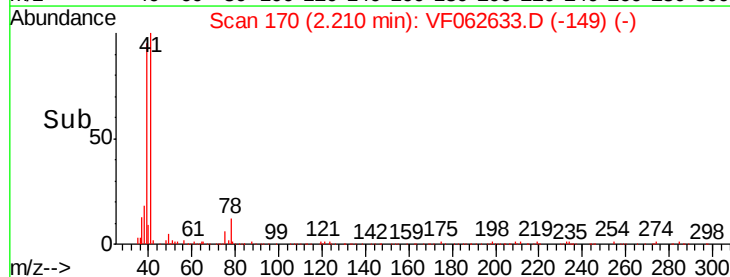
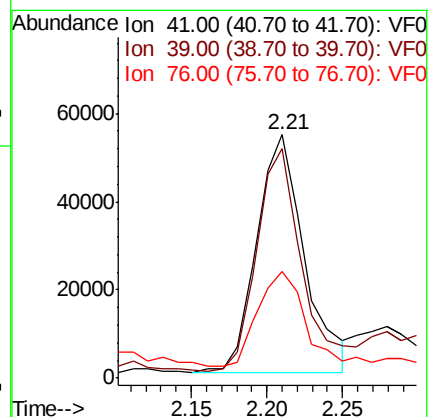
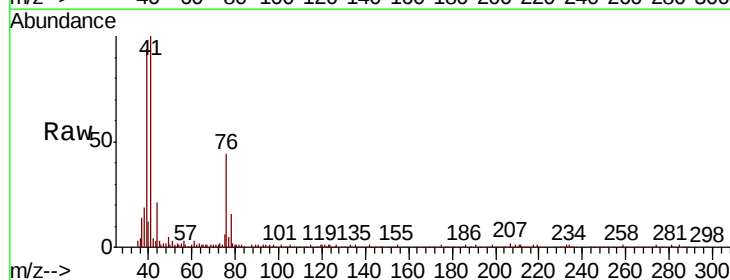
Tgt Ion: 41 Resp: 118544

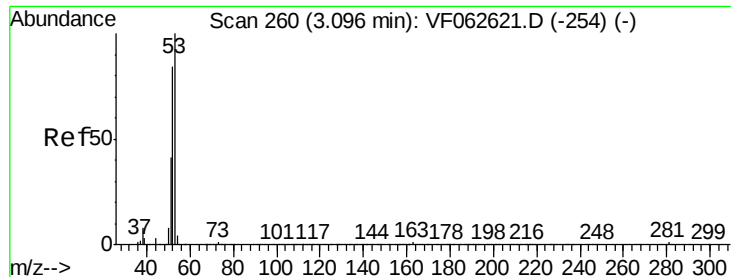
Ion Ratio Lower Upper

41 100

39 94.0 72.0 108.0

76 44.0 34.8 52.2





#15

Acrylonitrile

Concen: 162.070 ug/l

RT: 3.10 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

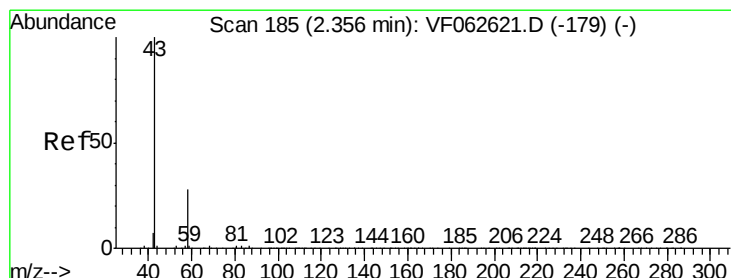
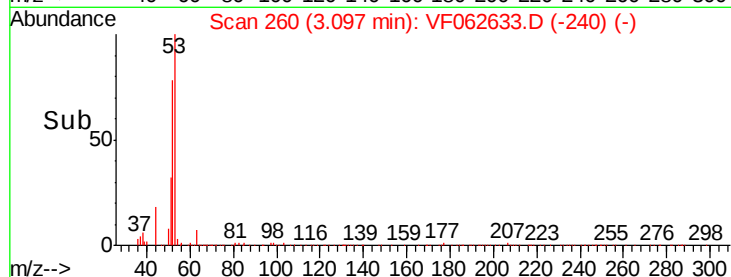
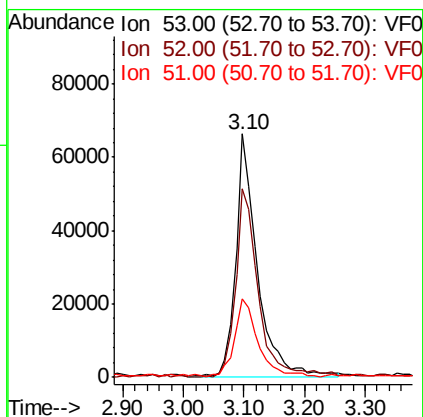
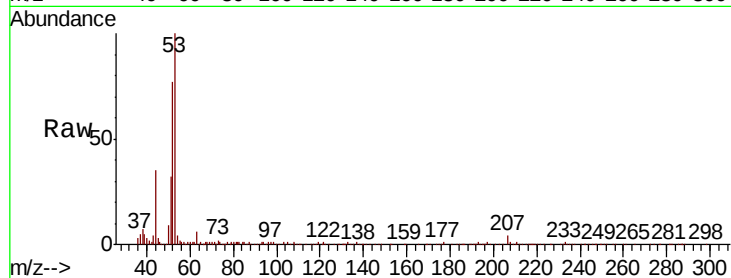
Tot Ion: 53 Resp: 161872

Ion Ratio Lower Upper

53 100

52 77.3 67.3 100.9

51 32.2 33.0 49.6#



#16

Acetone

Concen: 90.727 ug/l

RT: 2.36 min Scan# 185

Delta R.T. 0.00 min

Lab File: VF062633.D

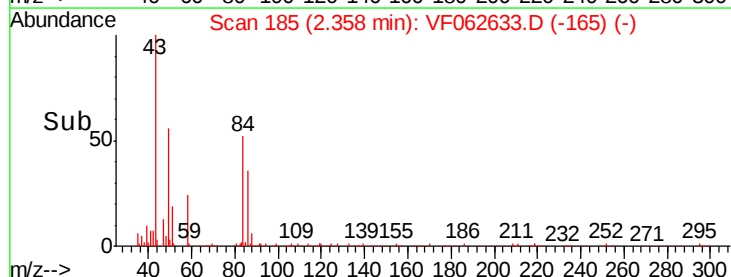
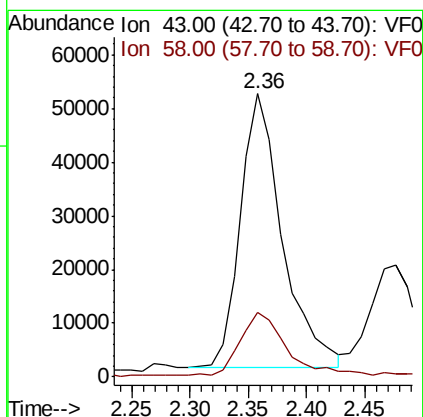
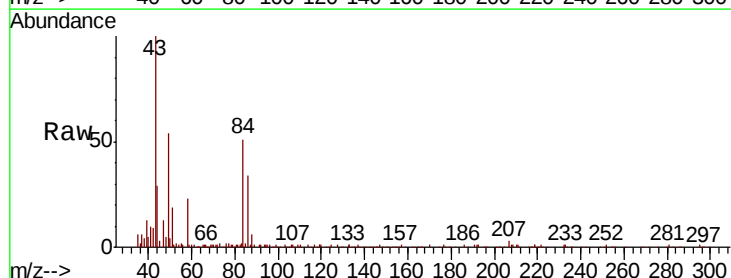
Acq: 17 May 2019 12:17

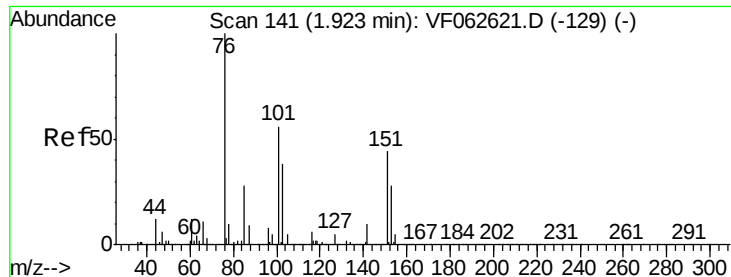
Tgt Ion: 43 Resp: 126233

Ion Ratio Lower Upper

43 100

58 23.0 22.6 33.8





#17

Carbon Disulfide

Concen: 8.908 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

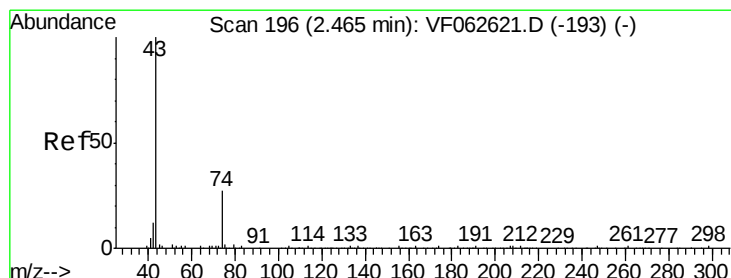
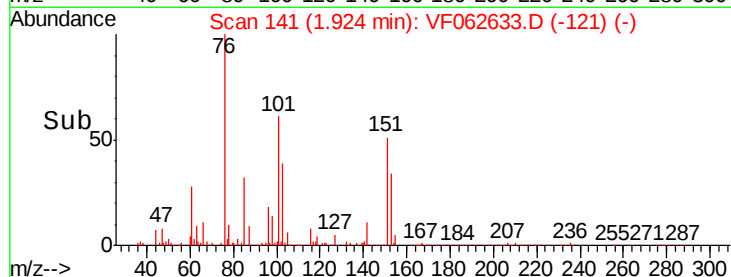
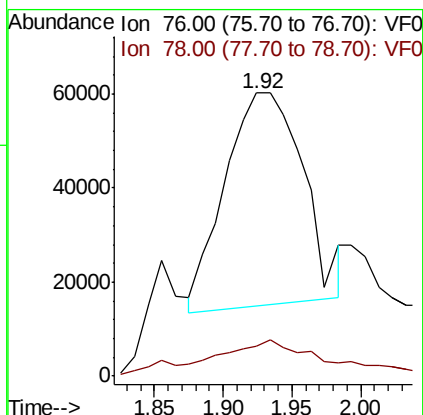
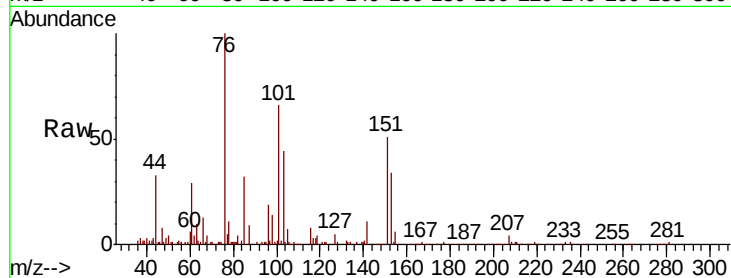
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 76 Resp: 180017

Ion Ratio Lower Upper

76 100

78 10.7 8.4 12.6



#18

Methyl Acetate

Concen: 22.317 ug/l

RT: 2.48 min Scan# 197

Delta R.T. 0.01 min

Lab File: VF062633.D

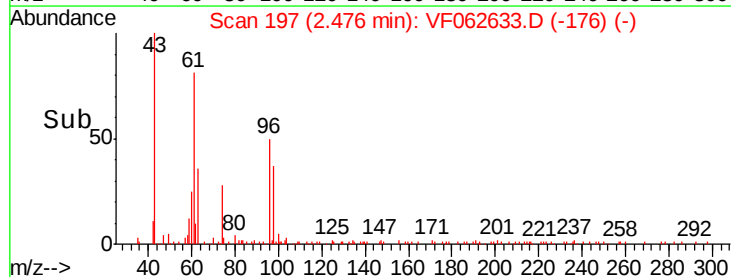
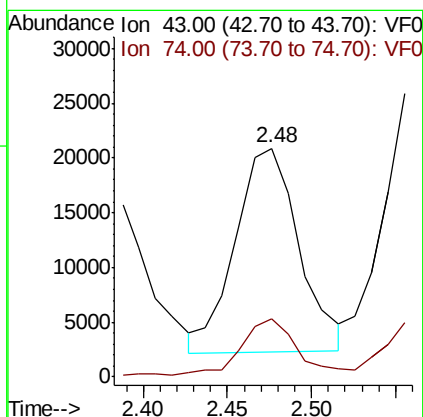
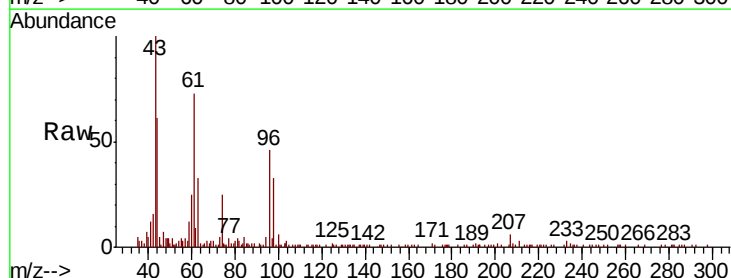
Acq: 17 May 2019 12:17

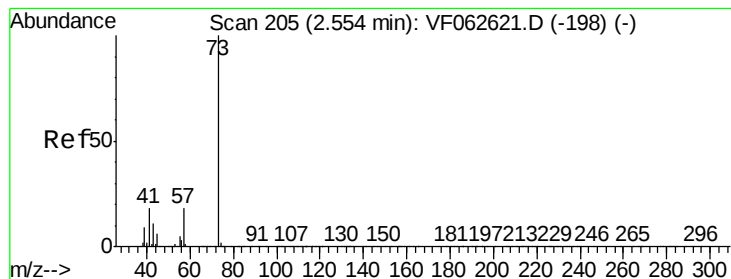
Tgt Ion: 43 Resp: 48794

Ion Ratio Lower Upper

43 100

74 25.2 18.9 28.3



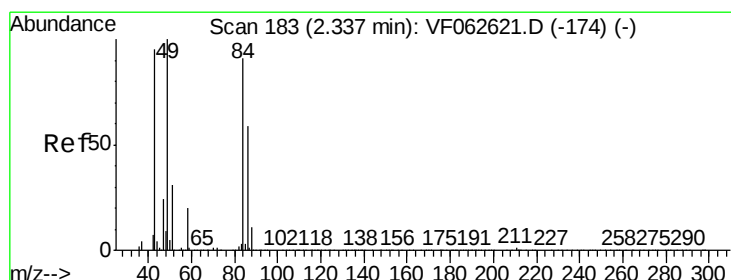
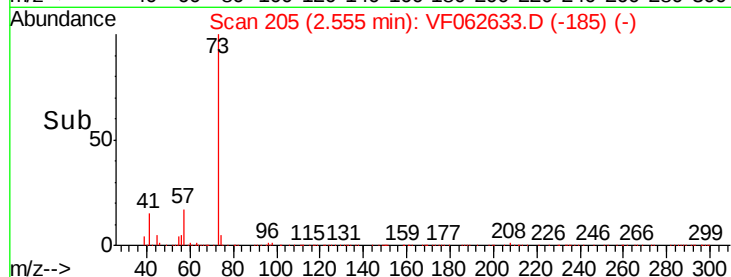
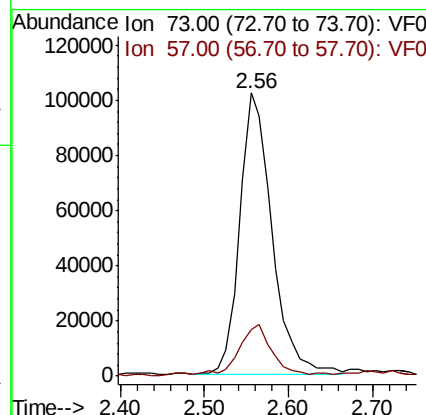
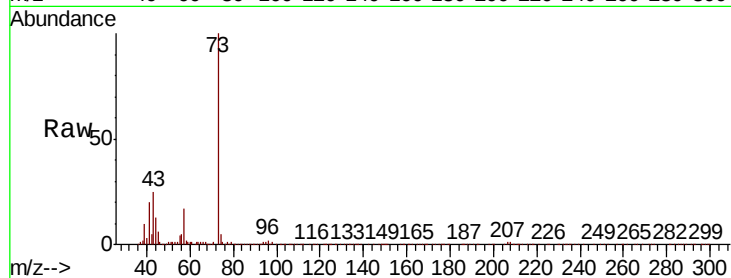


#19

Methyl tert-butyl Ether
Concen: 22.207 ug/l
RT: 2.56 min Scan# 205
Delta R.T. 0.00 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

Instrument :
MSVOA_F
ClientSampleId :

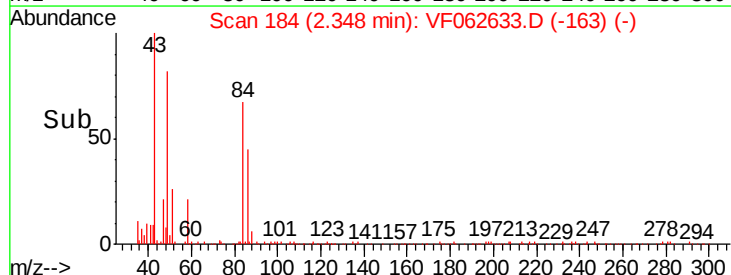
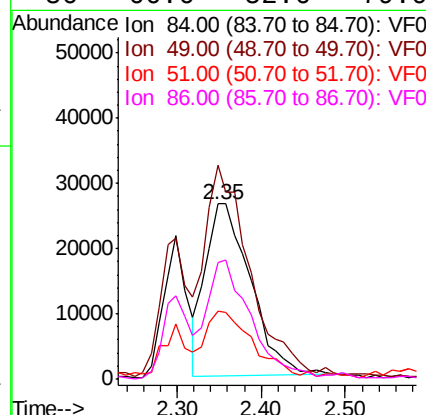
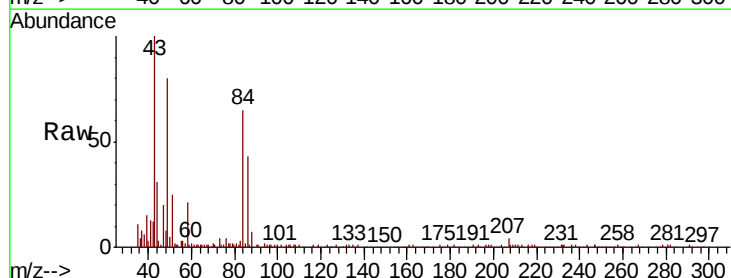
Tot Ion: 73 Resp: 270656
Ion Ratio Lower Upper
73 100
57 16.6 14.2 21.4

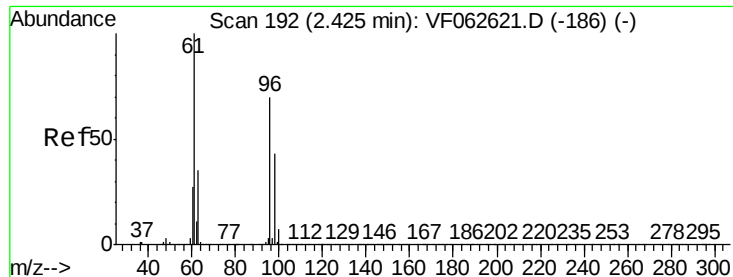


#20

Methylene Chloride
Concen: 14.179 ug/l
RT: 2.35 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

Tgt Ion: 84 Resp: 98882
Ion Ratio Lower Upper
84 100
49 121.9 89.8 134.8
51 38.7 28.4 42.6
86 66.6 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 19.036 ug/l

RT: 2.43 min Scan# 192

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :
MSVOA_F
ClientSampleId :

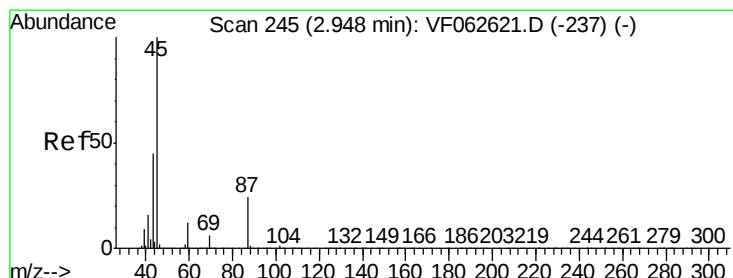
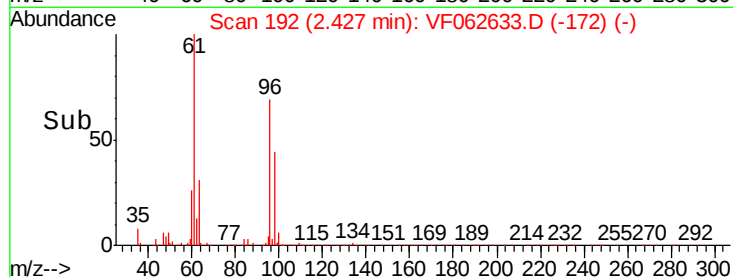
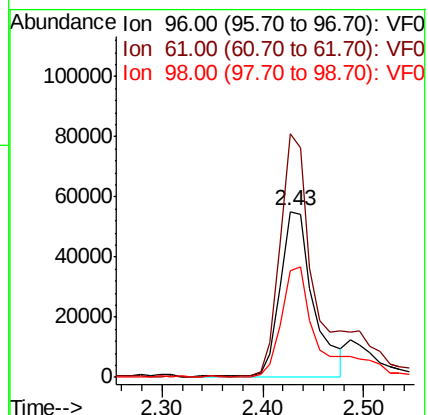
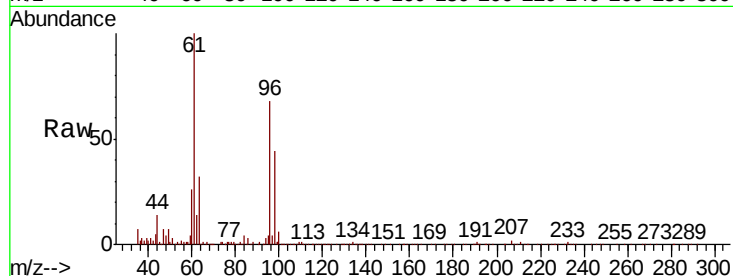
Tot Ion: 96 Resp: 126852

Ion Ratio Lower Upper

96 100

61 146.6 114.6 171.8

98 64.1 49.5 74.3



#22

Diisopropyl ether

Concen: 21.277 ug/l

RT: 2.95 min Scan# 245

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Tgt Ion: 45 Resp: 323815

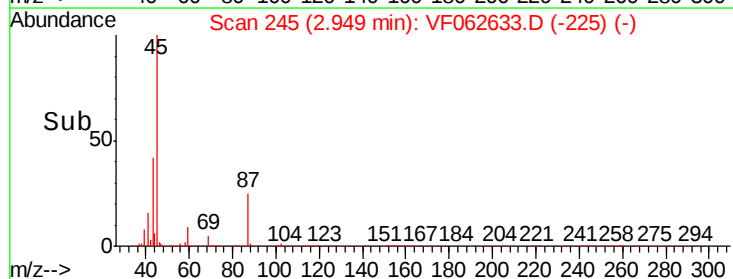
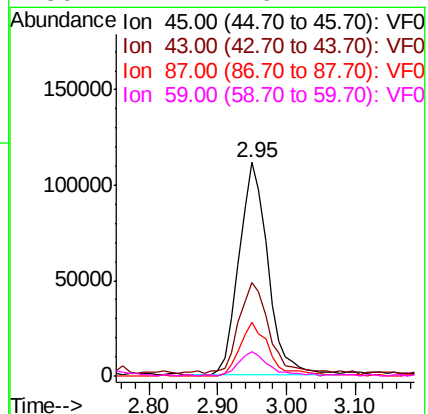
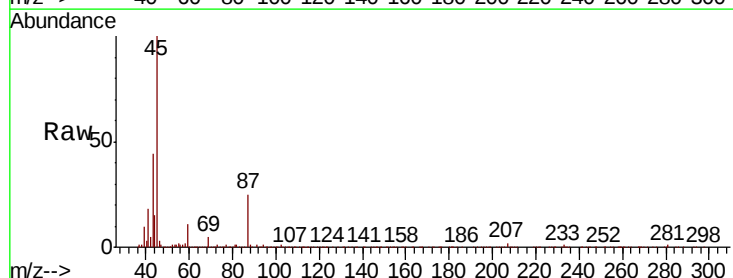
Ion Ratio Lower Upper

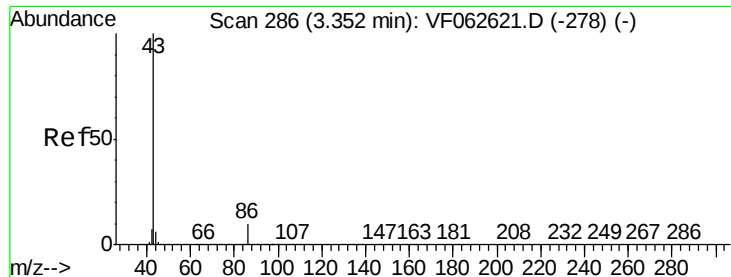
45 100

43 43.8 36.4 54.6

87 25.1 19.3 28.9

59 11.4 9.4 14.2





#23

Vinyl Acetate

Concen: 116.713 ug/l

RT: 3.35 min Scan# 286

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

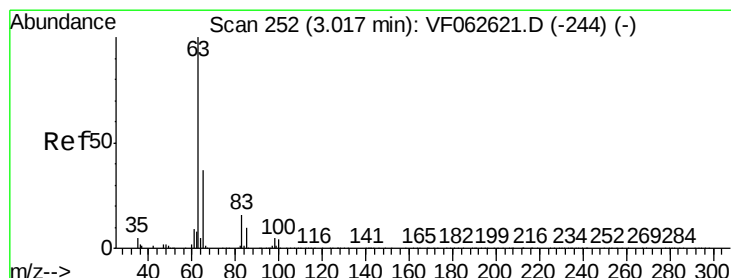
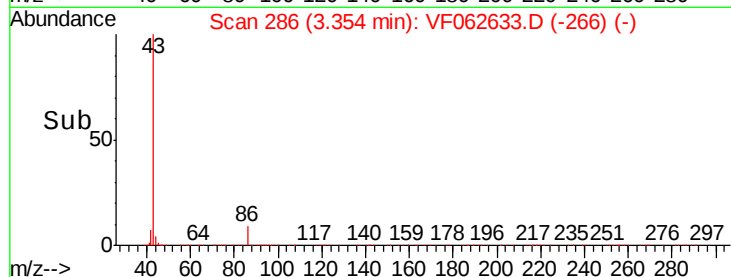
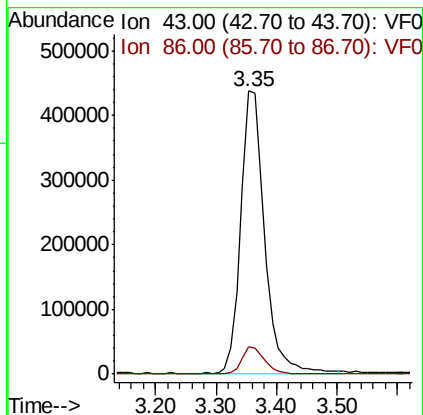
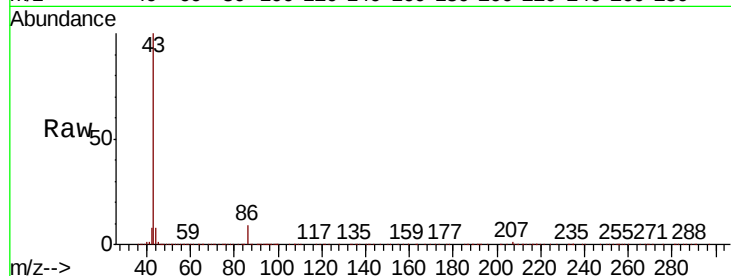
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 1198197

Ion Ratio Lower Upper

43 100

86 9.5 8.2 12.2



#24

1,1-Dichloroethane

Concen: 22.126 ug/l

RT: 3.02 min Scan# 252

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

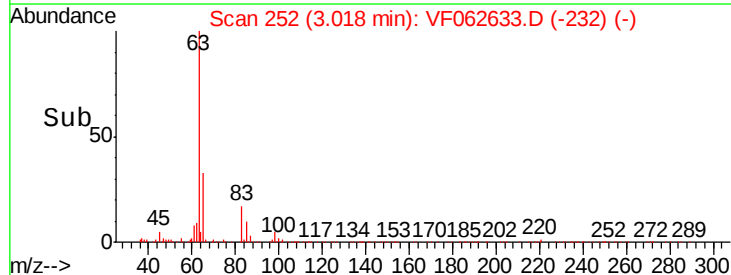
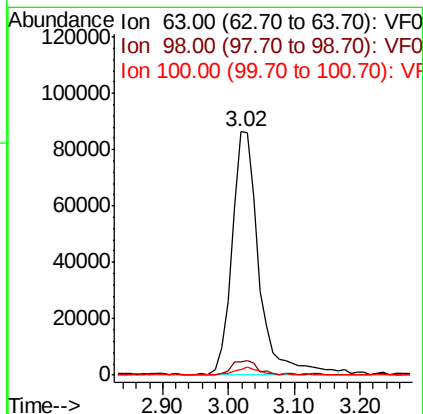
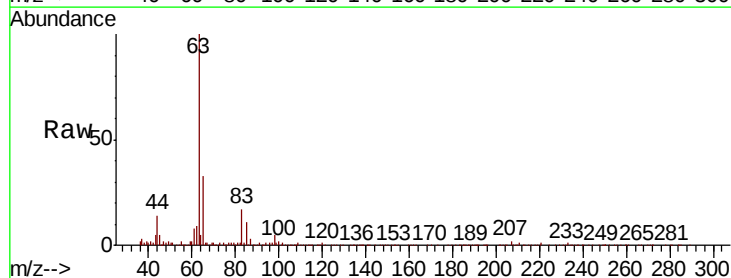
Tgt Ion: 63 Resp: 247025

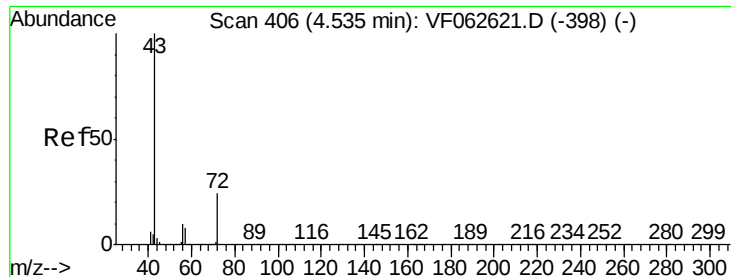
Ion Ratio Lower Upper

63 100

98 5.3 2.8 8.3

100 2.2 1.9 5.7





#25

2-Butanone

Concen: 107.878 ug/l

RT: 4.54 min Scan# 406

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

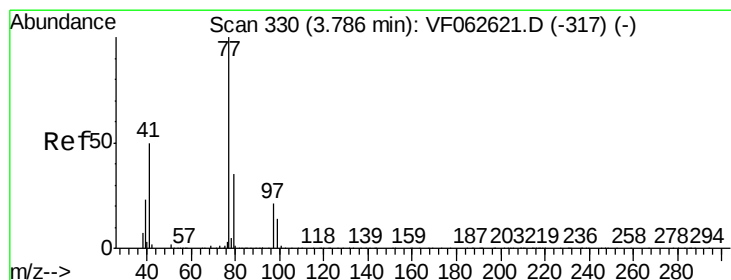
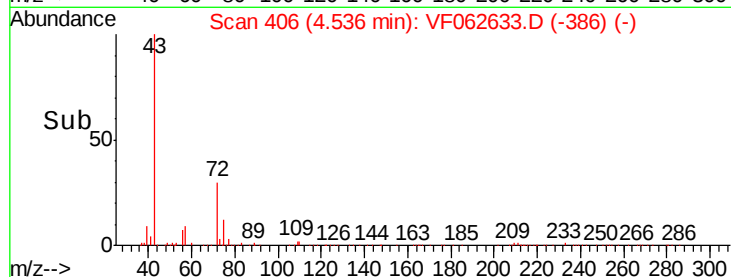
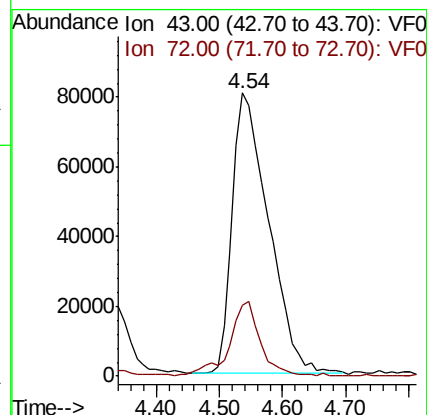
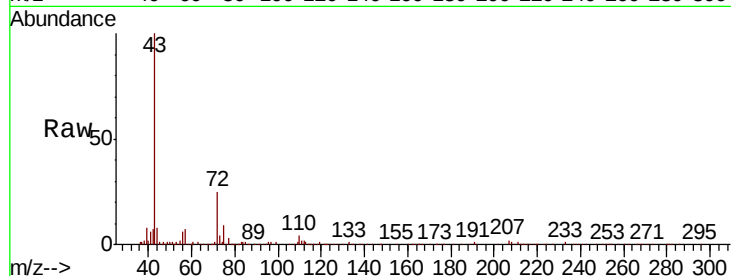
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 320681

Ion Ratio Lower Upper

43 100

72 25.0 20.1 30.1



#26

2,2-Dichloropropane

Concen: 23.022 ug/l

RT: 3.79 min Scan# 330

Delta R.T. 0.00 min

Lab File: VF062633.D

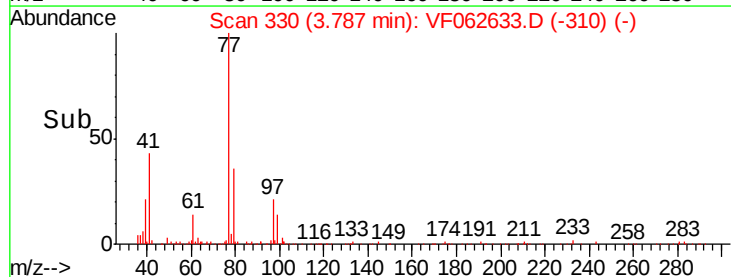
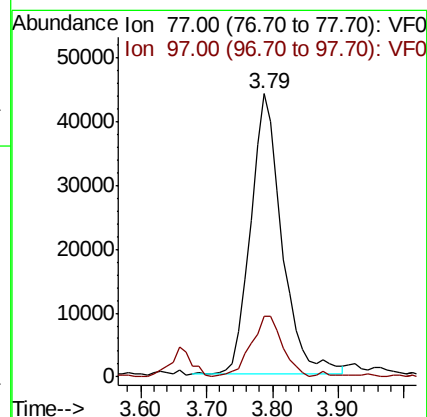
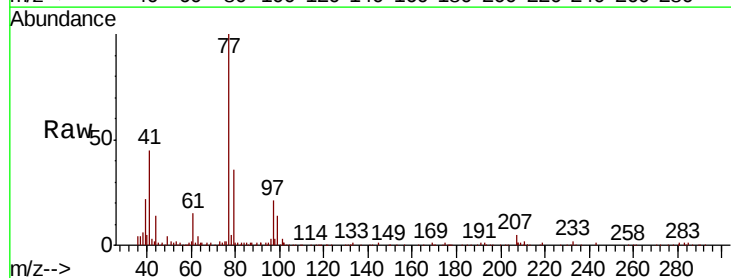
Acq: 17 May 2019 12:17

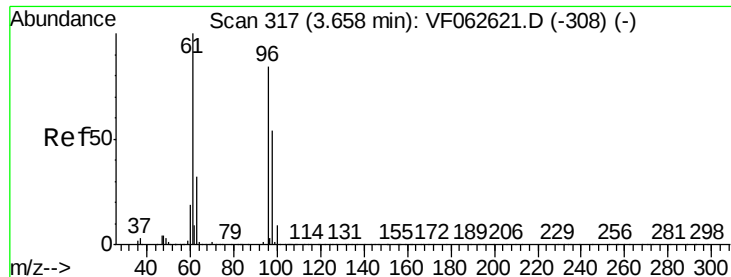
Tgt Ion: 77 Resp: 147064

Ion Ratio Lower Upper

77 100

97 21.4 14.1 42.4



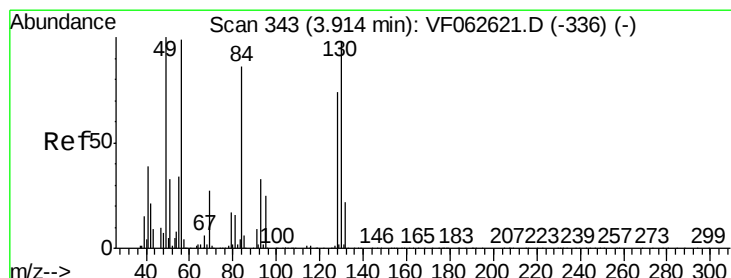
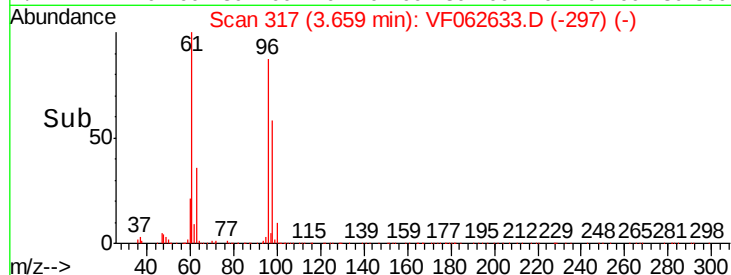
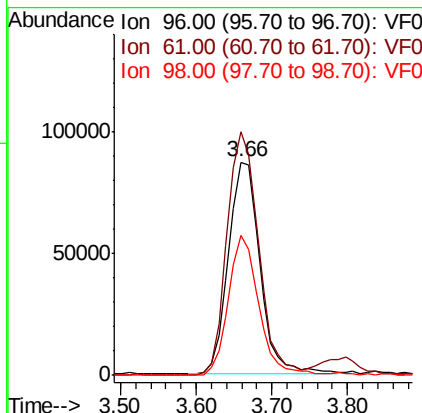
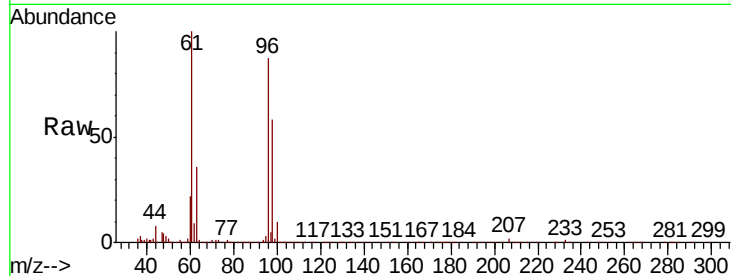


#27

cis-1,2-Dichloroethene
 Concen: 23.055 ug/l
 RT: 3.66 min Scan# 317
 Delta R.T. 0.00 min
 Lab File: VF062633.D
 Acq: 17 May 2019 12:17

Instrument :
 MSVOA_F
 ClientSampleId :

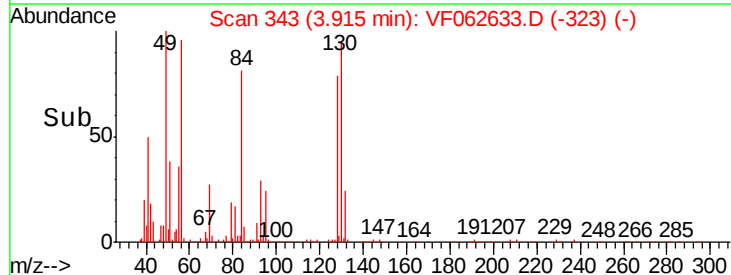
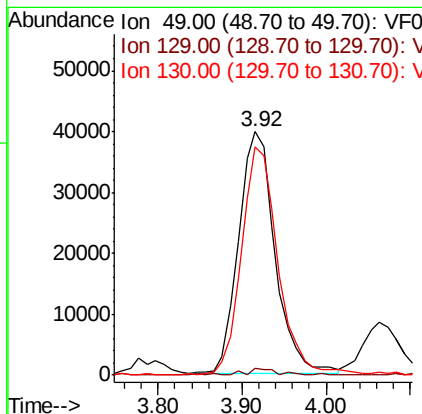
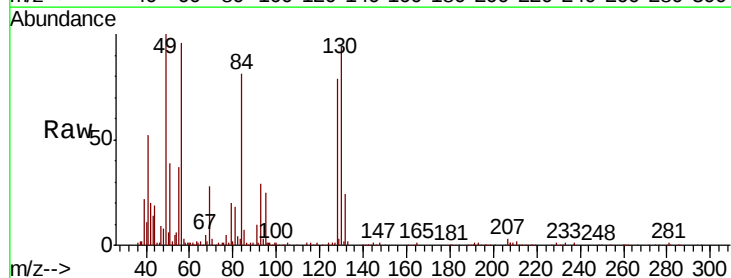
Tot Ion: 96 Resp: 252710
 Ion Ratio Lower Upper
 96 100
 61 114.4 0.0 237.4
 98 66.0 0.0 129.0

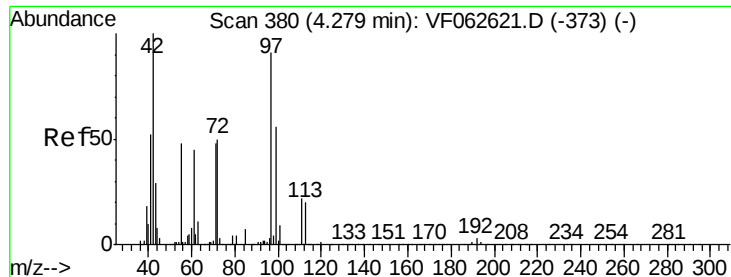


#28

Bromochloromethane
 Concen: 19.178 ug/l
 RT: 3.92 min Scan# 343
 Delta R.T. 0.00 min
 Lab File: VF062633.D
 Acq: 17 May 2019 12:17

Tgt Ion: 49 Resp: 120082
 Ion Ratio Lower Upper
 49 100
 129 3.0 0.0 4.0
 130 93.9 77.8 116.8





#29

Tetrahydrofuran

Concen: 114.883 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.01 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :
MSVOA_F
ClientSampleId :

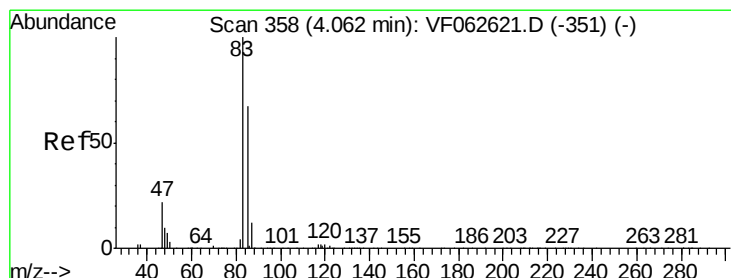
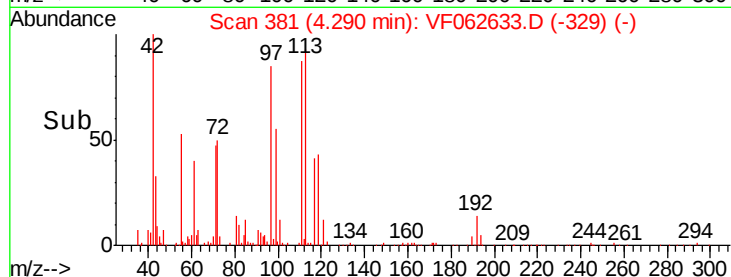
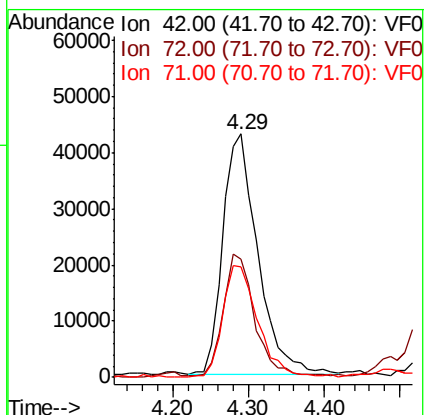
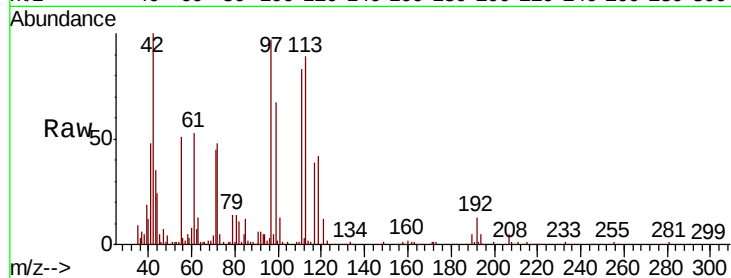
Tot Ion: 42 Resp: 138194

Ion Ratio Lower Upper

42 100

72 45.7 38.2 57.2

71 46.3 35.8 53.6



#30

Chloroform

Concen: 21.602 ug/l

RT: 4.06 min Scan# 358

Delta R.T. 0.00 min

Lab File: VF062633.D

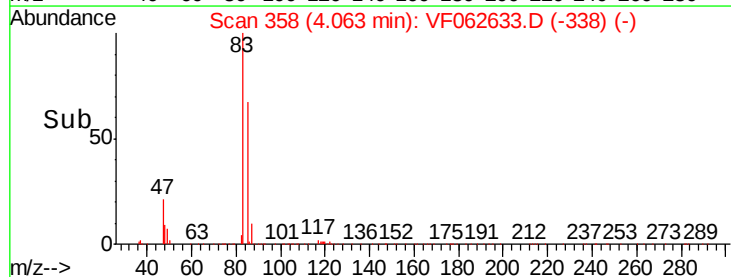
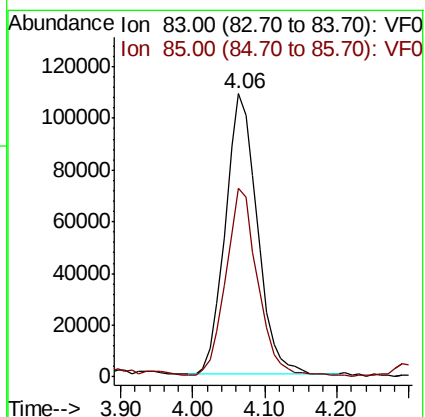
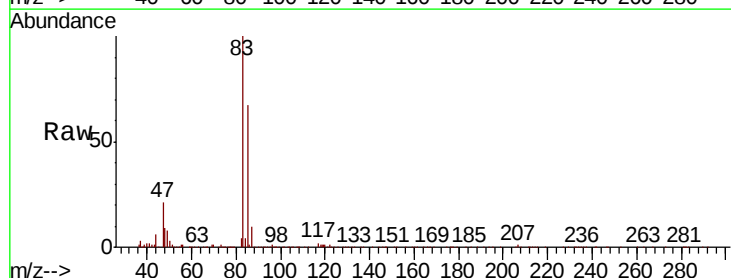
Acq: 17 May 2019 12:17

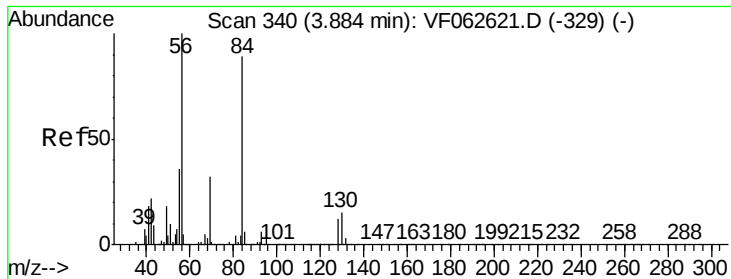
Tgt Ion: 83 Resp: 334855

Ion Ratio Lower Upper

83 100

85 66.8 53.6 80.4





#31

Cyclohexane

Concen: 15.162 ug/l

RT: 3.89 min Scan# 340

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

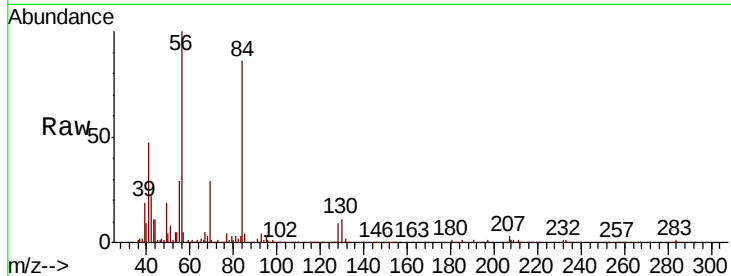
Tot Ion: 56 Resp: 227291

Ion Ratio Lower Upper

56 100

69 28.6 25.3 37.9

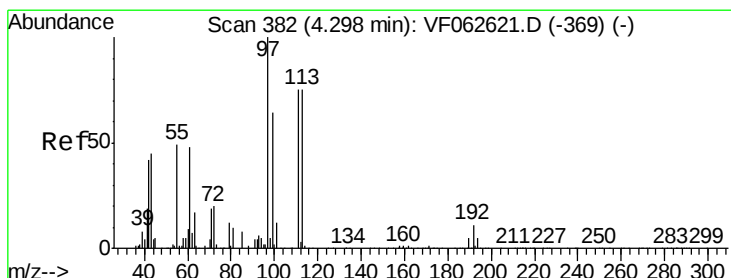
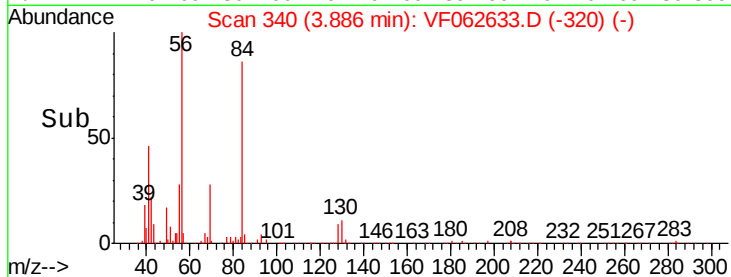
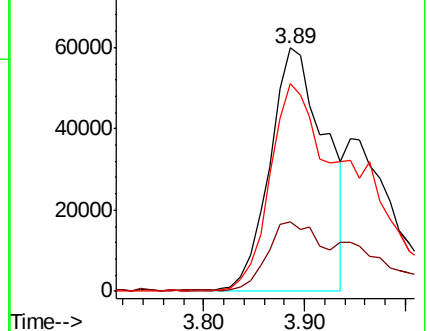
84 85.5 71.0 106.4



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 21.948 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

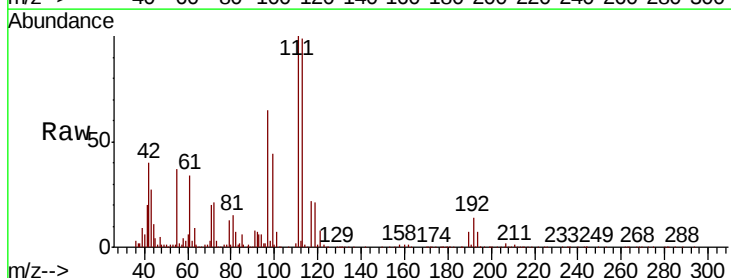
Tgt Ion: 97 Resp: 225939

Ion Ratio Lower Upper

97 100

99 67.7 51.3 76.9

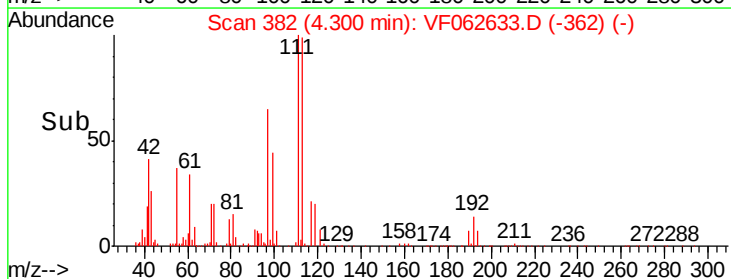
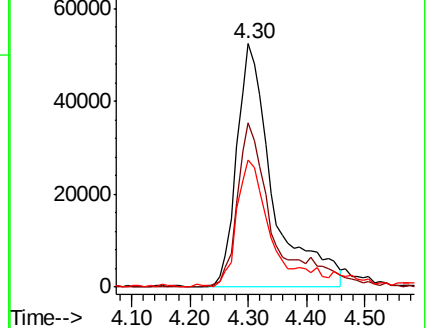
61 52.5 38.2 57.2

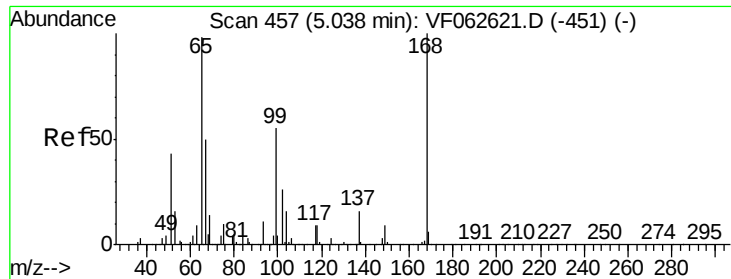


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 44.423 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :

MSVOA_F

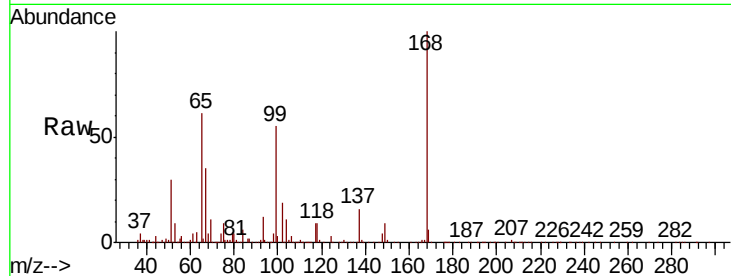
ClientSampleId :

Tot Ion: 65 Resp: 238246

Ion Ratio Lower Upper

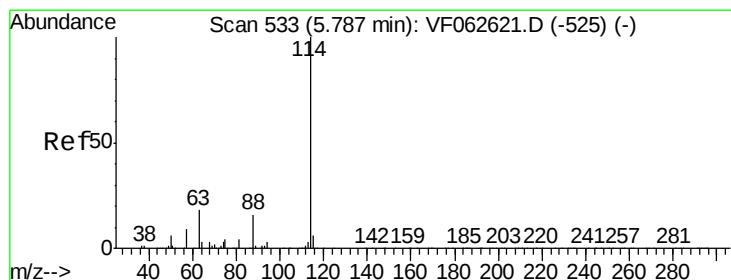
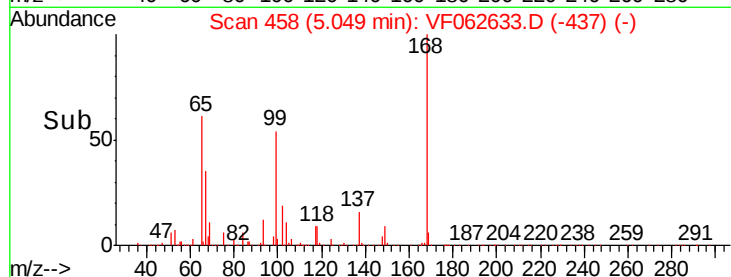
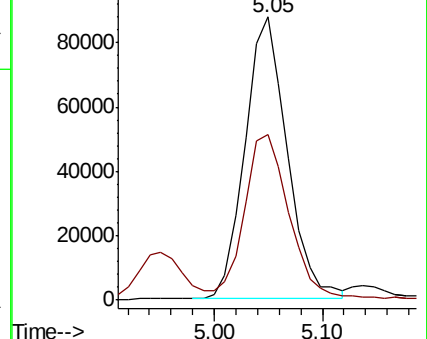
65 100

67 58.4 0.0 117.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 533

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

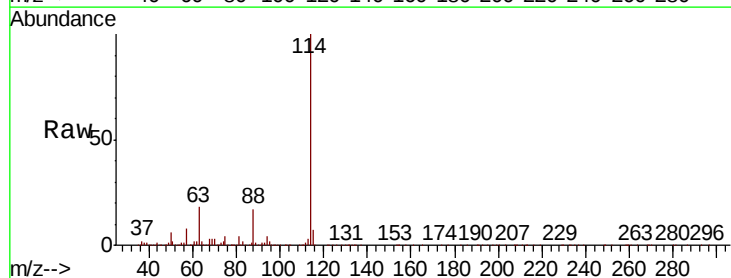
Tgt Ion:114 Resp: 1235647

Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.4

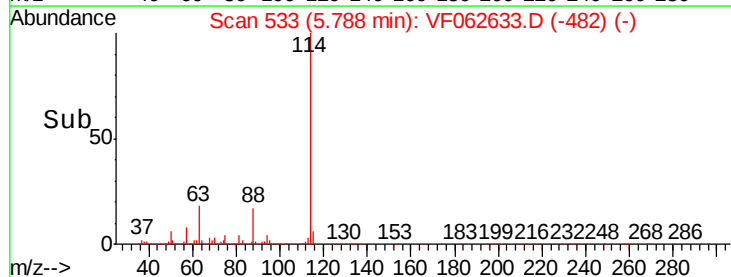
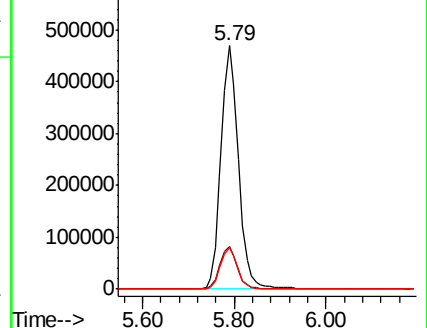
88 16.8 0.0 32.4

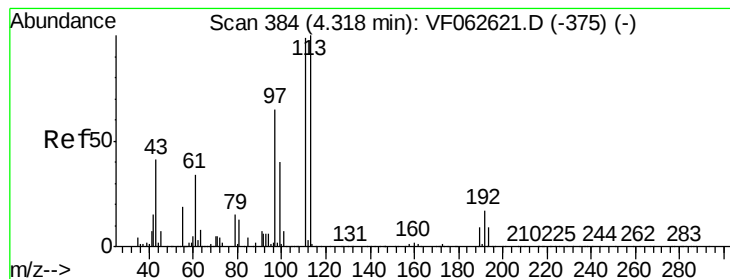


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 47.484 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :
MSVOA_F
ClientSampleId :

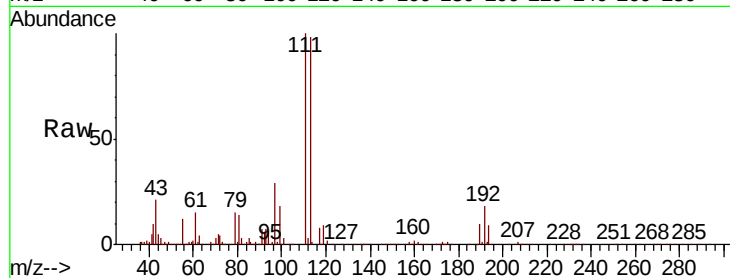
Tot Ion: 113 Resp: 448970

Ion	Ratio	Lower	Upper
113	100		
111	101.6	79.4	119.2
192	18.4	13.4	20.2

113 100

111 101.6 79.4 119.2

192 18.4 13.4 20.2

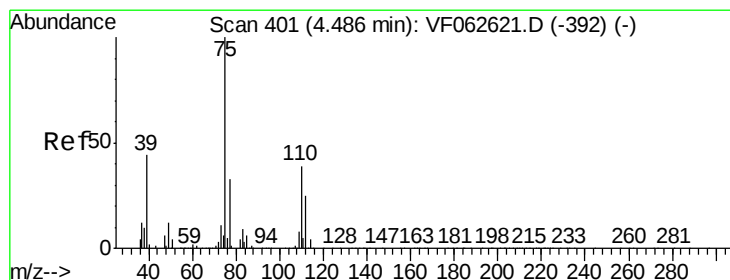
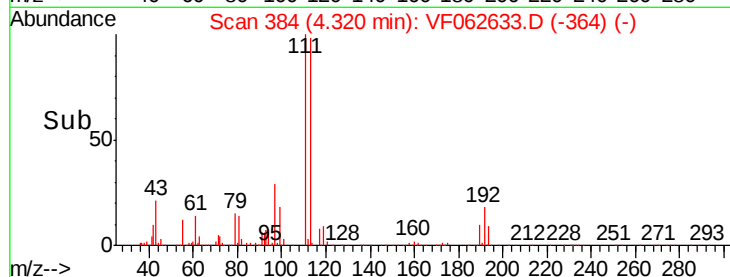
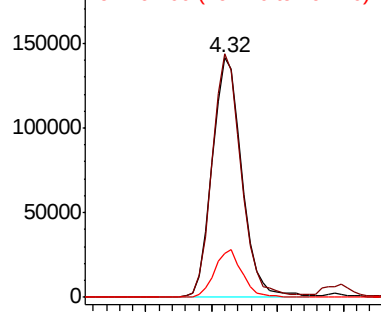


Abundance

Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 22.747 ug/l

RT: 4.49 min Scan# 401

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

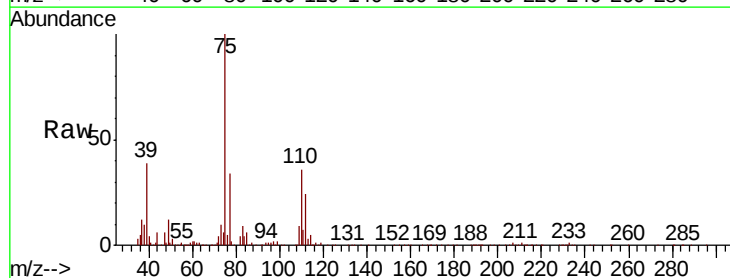
Tgt Ion: 75 Resp: 288007

Ion	Ratio	Lower	Upper
75	100		
110	36.1	19.7	59.1
77	33.8	26.3	39.5

75 100

110 36.1 19.7 59.1

77 33.8 26.3 39.5

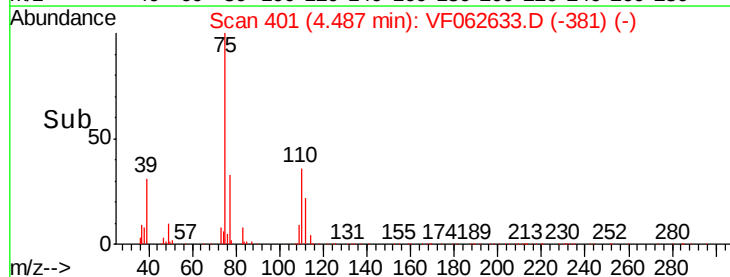
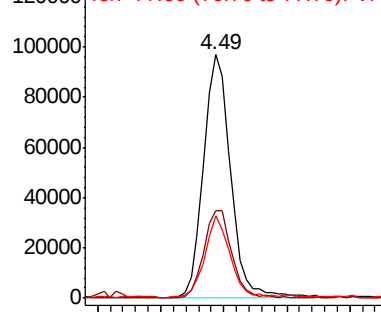


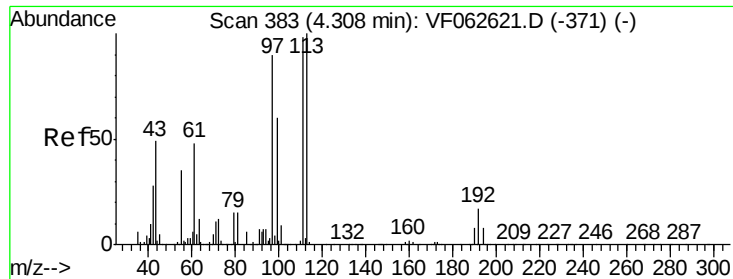
Abundance

Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

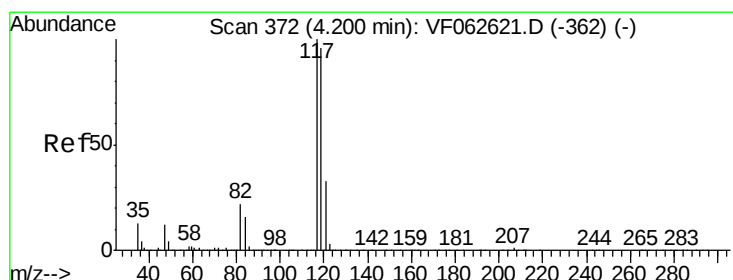
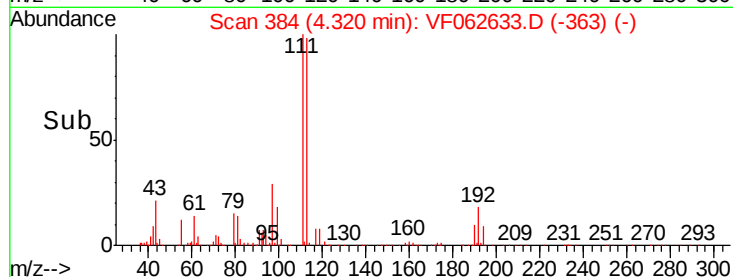
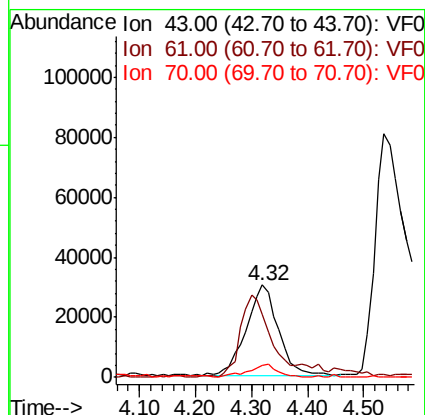
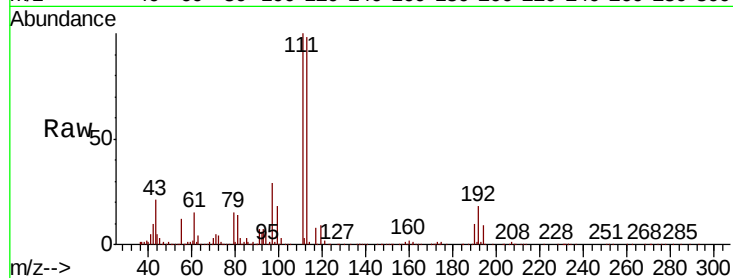




#37
Ethyl Acetate
Concen: 23.198 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.01 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

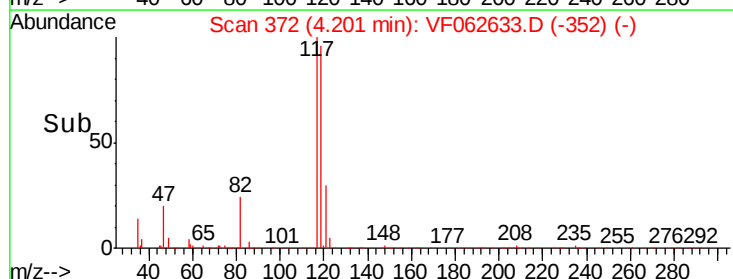
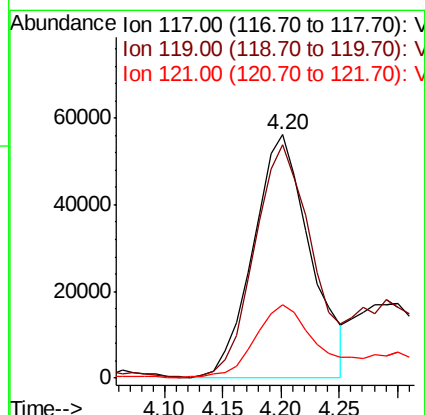
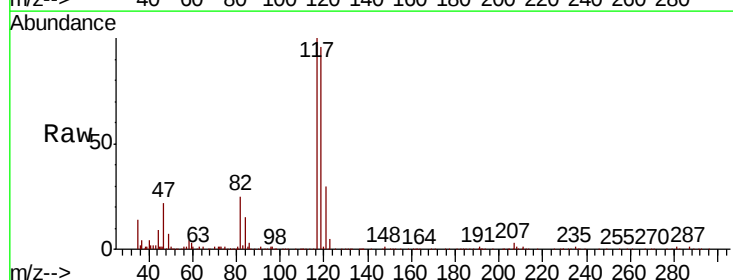
Instrument :
MSVOA_F
ClientSampled :

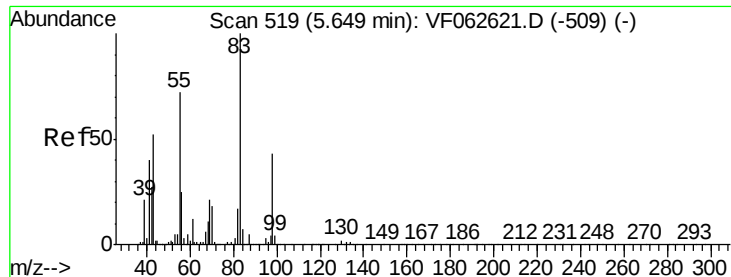
Tot Ion: 43 Resp: 119928
Ion Ratio Lower Upper
43 100
61 68.0 76.9 115.3#
70 12.3 8.8 13.2



#38
Carbon Tetrachloride
Concen: 19.946 ug/l
RT: 4.20 min Scan# 372
Delta R.T. 0.00 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

Tgt Ion: 117 Resp: 189934
Ion Ratio Lower Upper
117 100
119 95.6 76.7 115.1
121 30.0 26.6 40.0

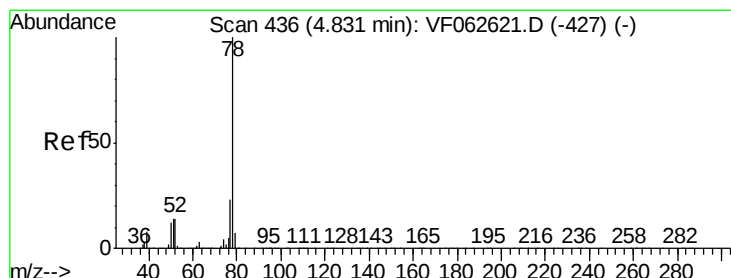
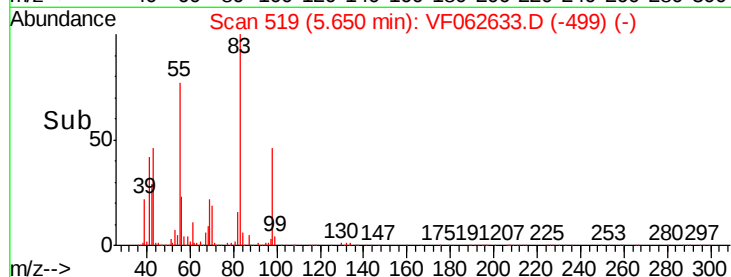
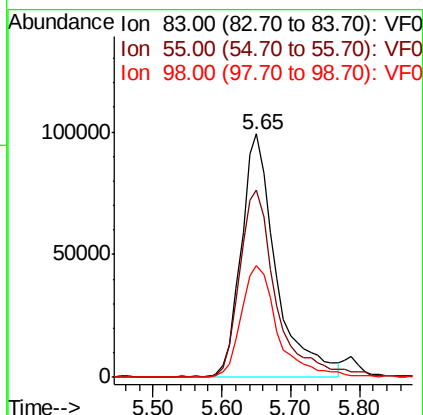
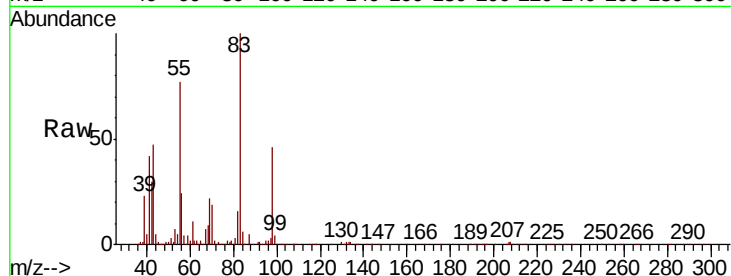




#39
Methvlcvclohexane
Concen: 22.948 ug/l
RT: 5.65 min Scan# 519
Delta R.T. 0.00 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

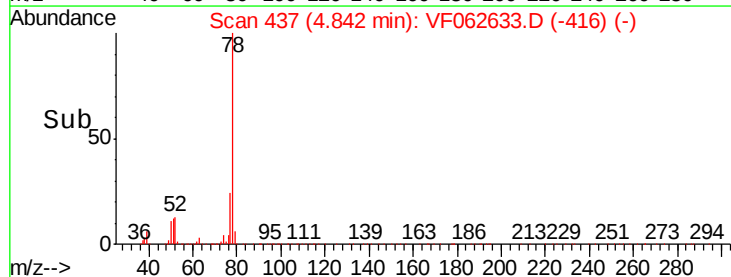
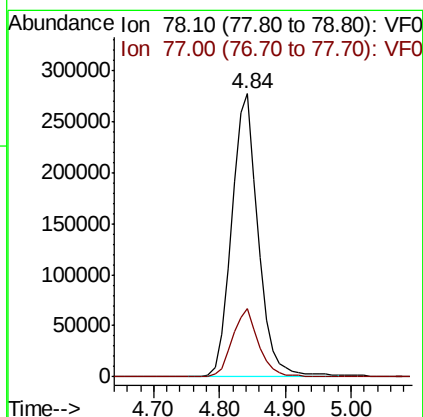
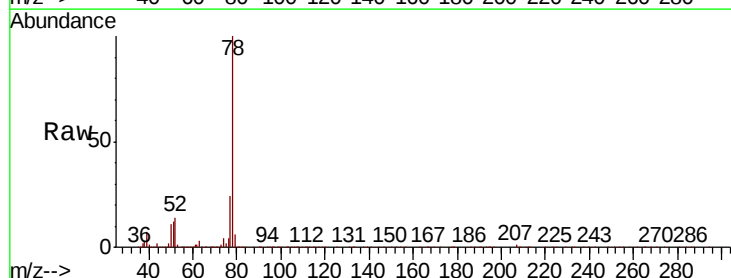
Instrument :
MSVOA_F
ClientSampleId :

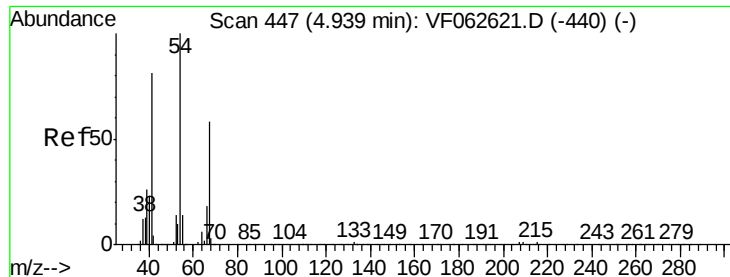
Tot Ion	83	Resp	349618
Ion Ratio	Lower	Upper	
83	100		
55	77.1	57.9	86.9
98	45.7	34.6	52.0



#40
Benzene
Concen: 22.667 ug/l
RT: 4.84 min Scan# 437
Delta R.T. 0.01 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

Tgt Ion	78	Resp	781855
Ion Ratio	Lower	Upper	
78	100		
77	24.0	18.2	27.2





#41

Methacrylonitrile

Concen: 22.761 ug/l

RT: 4.94 min Scan# 447

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 41 Resp: 61690

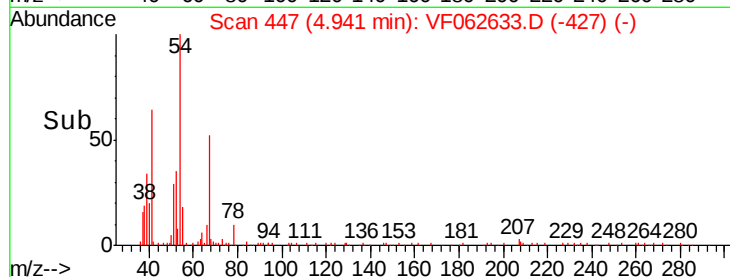
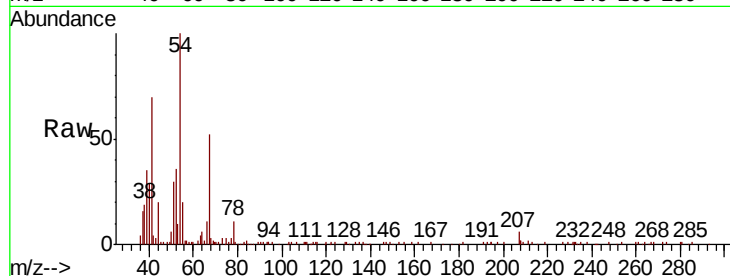
Ion	Ratio	Lower	Upper
41	100		
39	50.8	42.2	63.2
67	74.8	56.4	84.6
52	51.6	38.8	58.2

41 100

39 50.8 42.2 63.2

67 74.8 56.4 84.6

52 51.6 38.8 58.2



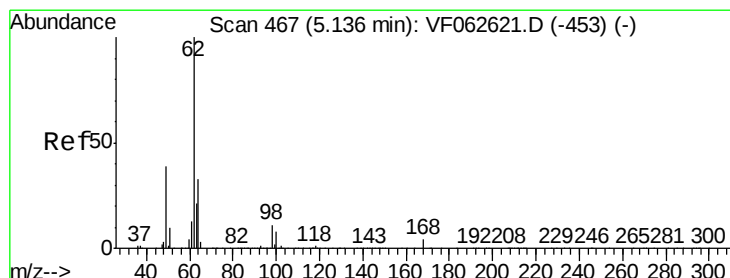
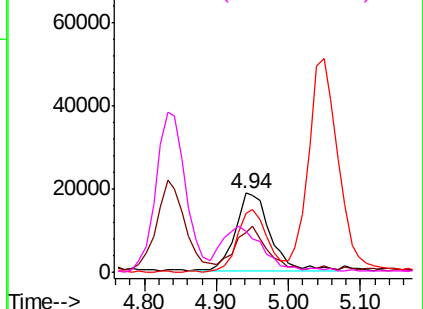
Abundance

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 22.229 ug/l

RT: 5.15 min Scan# 468

Delta R.T. 0.01 min

Lab File: VF062633.D

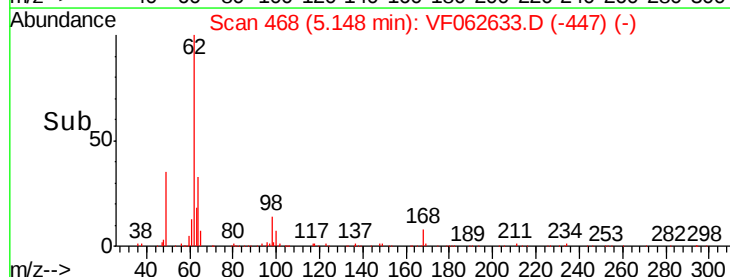
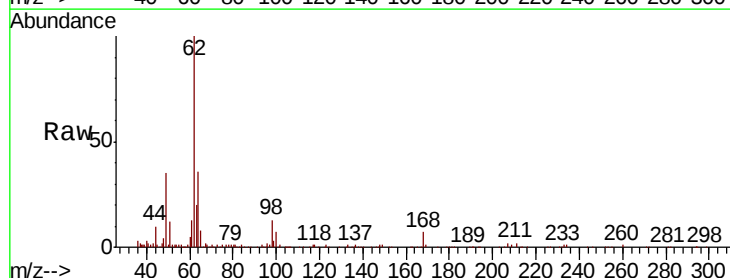
Acq: 17 May 2019 12:17

Tgt Ion: 62 Resp: 152906

Ion	Ratio	Lower	Upper
62	100		
98	13.4	0.0	21.6

62 100

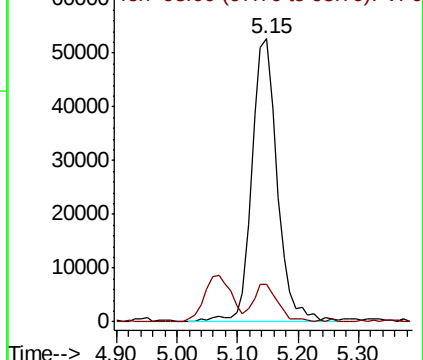
98 13.4 0.0 21.6

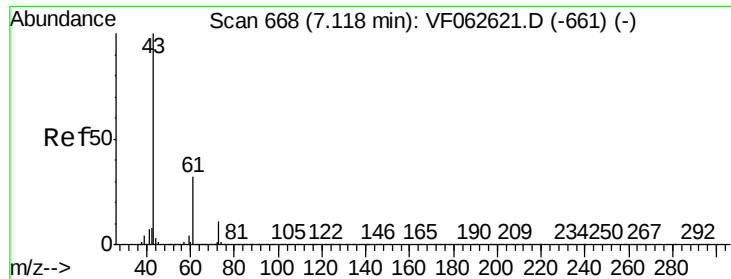


Abundance

Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



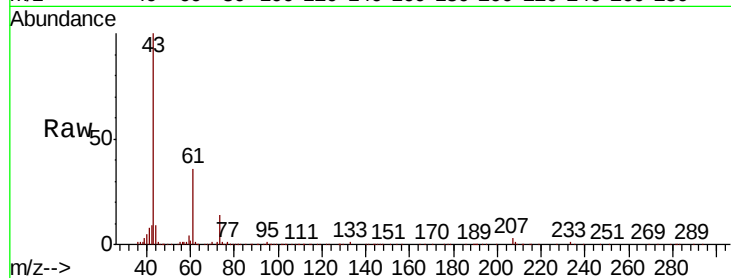


#43

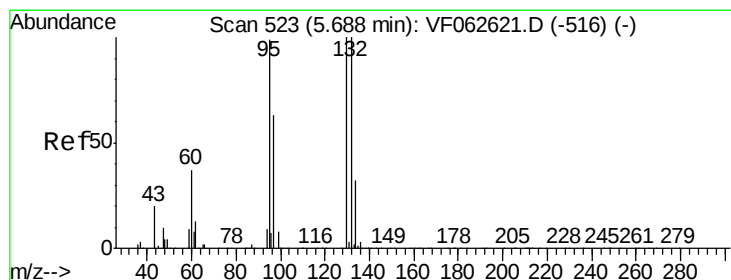
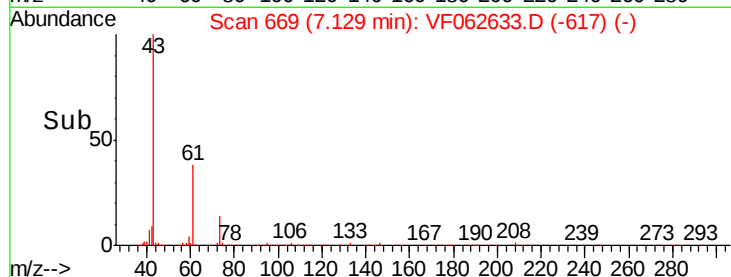
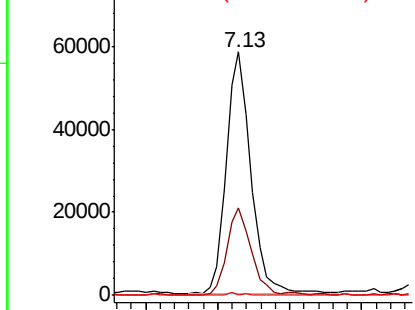
Isopropyl Acetate
 Concen: 20.667 ug/l
 RT: 7.13 min Scan# 669
 Delta R.T. 0.01 min
 Lab File: VF062633.D
 Acq: 17 May 2019 12:17

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	43	Resp	138416
Ion Ratio	Lower	Upper	
43	100		
61	36.1	25.8	38.8
87	0.4	0.4	0.6



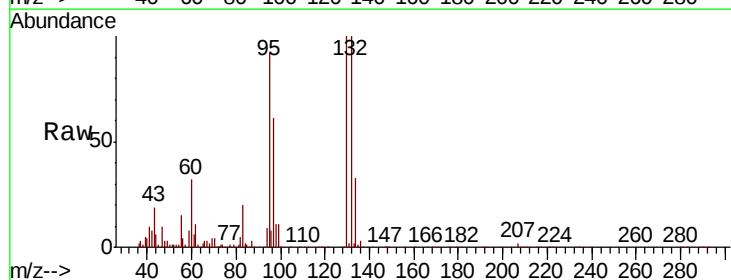
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



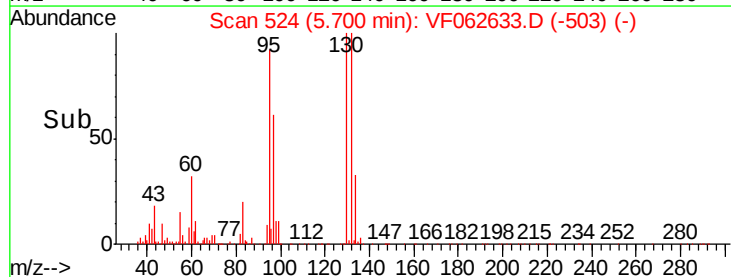
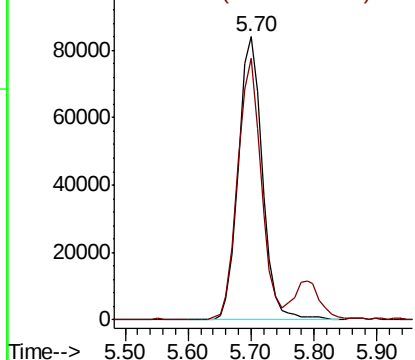
#44

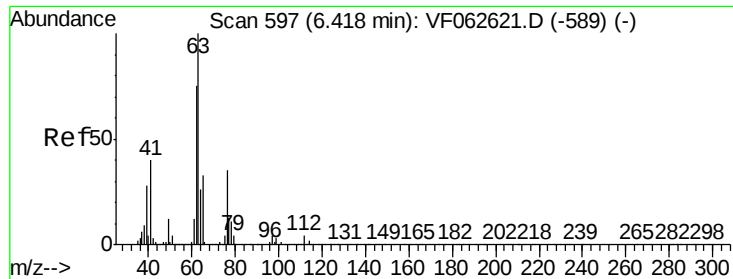
Trichloroethene
 Concen: 22.769 ug/l
 RT: 5.70 min Scan# 524
 Delta R.T. 0.01 min
 Lab File: VF062633.D
 Acq: 17 May 2019 12:17

Tgt Ion	130	Resp	220731
Ion Ratio	Lower	Upper	
130	100		
95	92.4	0.0	199.4



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





#45

1,2-Dichloropropane

Concen: 22.824 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

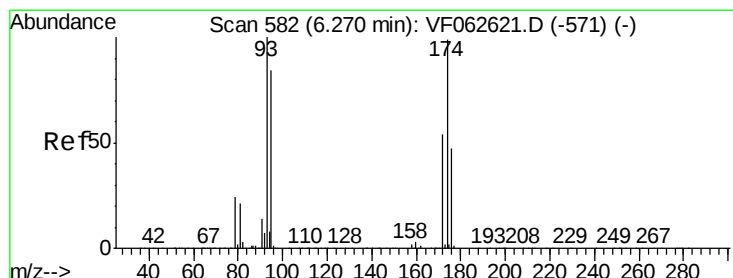
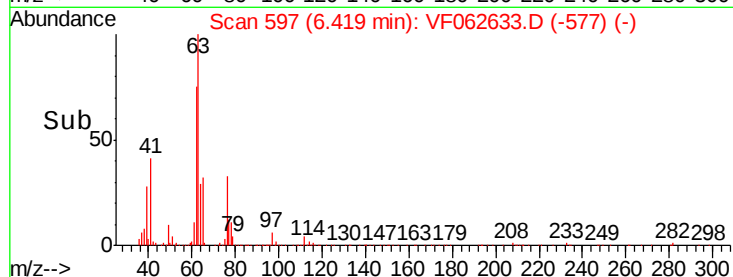
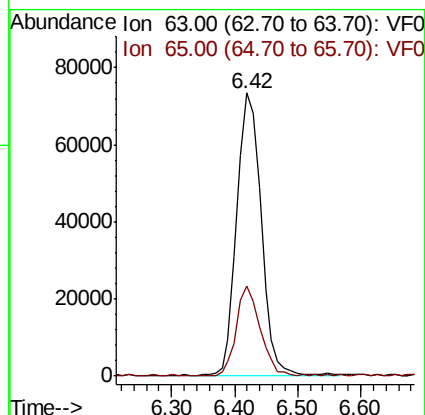
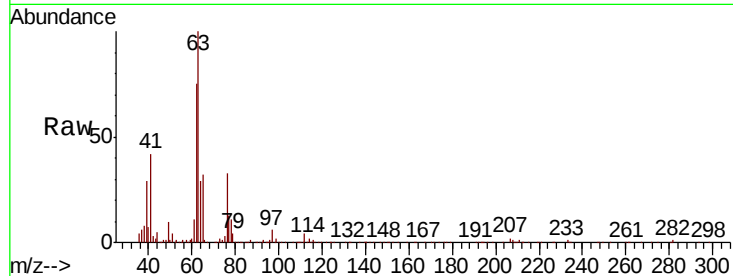
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 198736

Ion Ratio Lower Upper

63 100

65 31.7 26.3 39.5



#46

Dibromomethane

Concen: 23.465 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

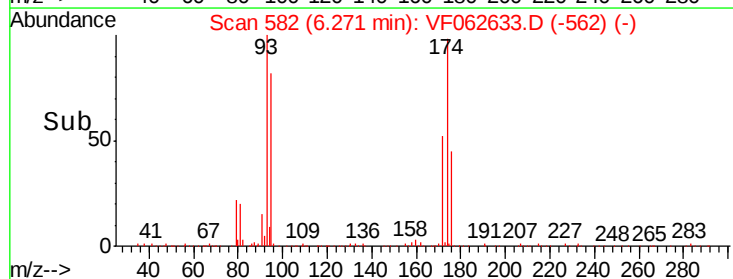
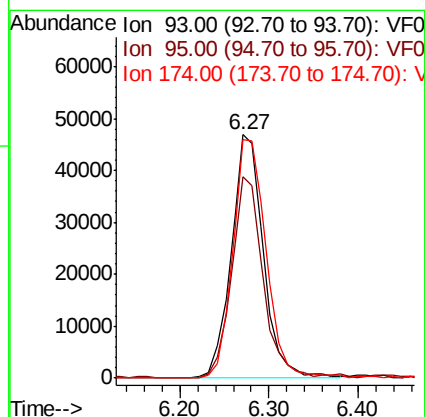
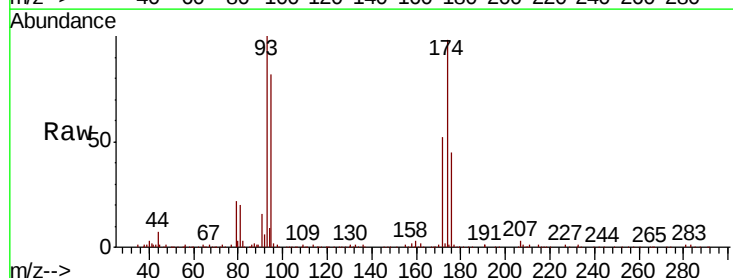
Tgt Ion: 93 Resp: 118079

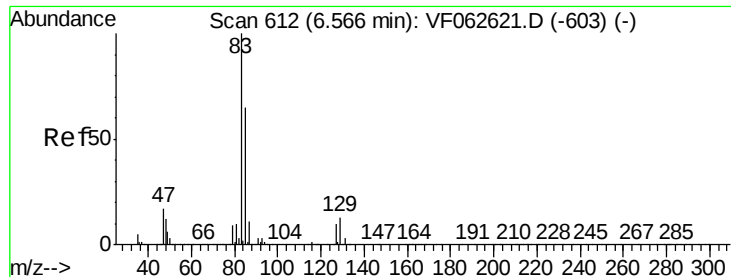
Ion Ratio Lower Upper

93 100

95 82.5 67.4 101.2

174 97.9 79.4 119.2





#47

Bromodichloromethane

Concen: 22.515 ug/l

RT: 6.57 min Scan# 612

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :
MSVOA_F
ClientSampleId :

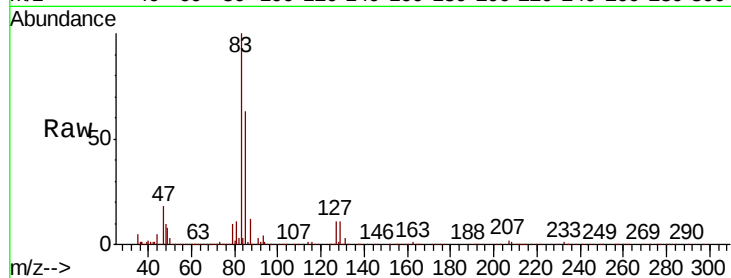
Tot Ion: 83 Resp: 235217

Ion Ratio Lower Upper

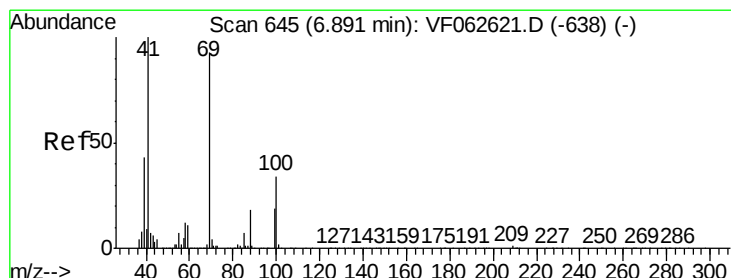
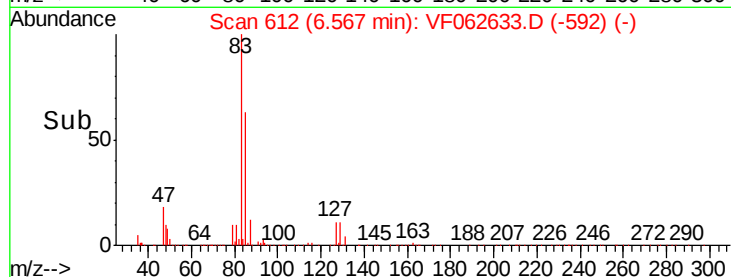
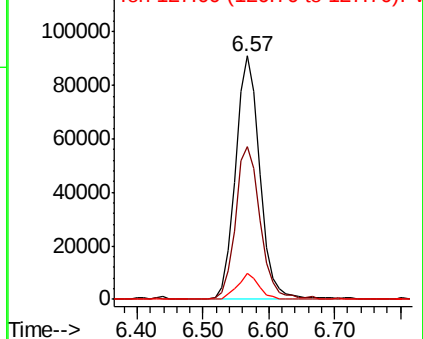
83 100

85 62.7 52.0 78.0

127 10.9 7.7 11.5



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



#48

Methyl methacrylate

Concen: 21.221 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

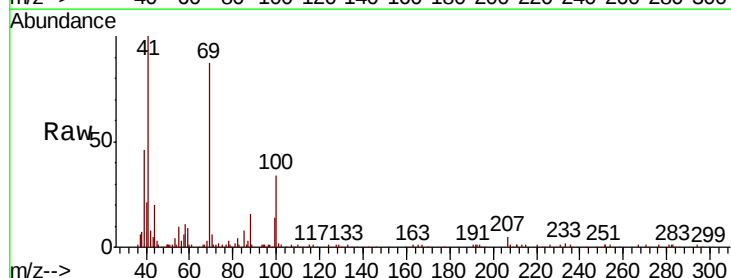
Tgt Ion: 41 Resp: 74288

Ion Ratio Lower Upper

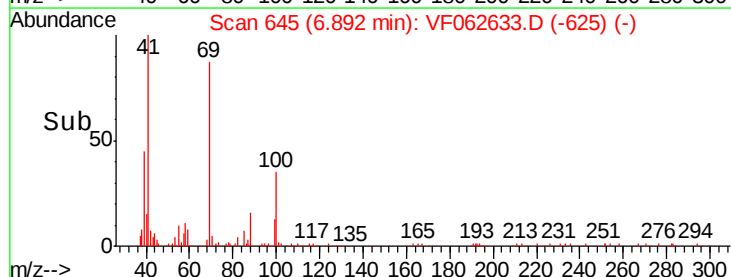
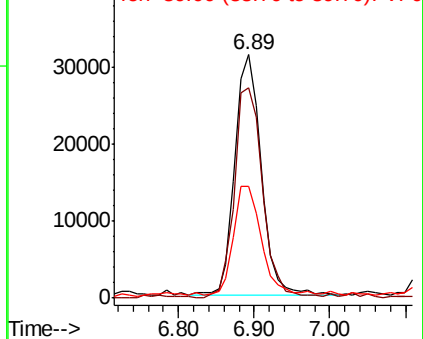
41 100

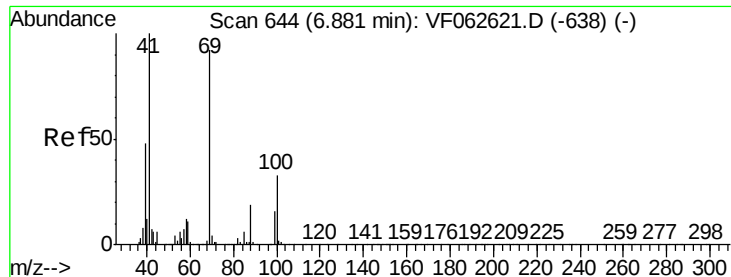
69 86.6 74.2 111.2

39 45.9 34.2 51.4



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





#49

1,4-Dioxane

Concen: 453.644 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :
MSVOA_F
ClientSampleId :

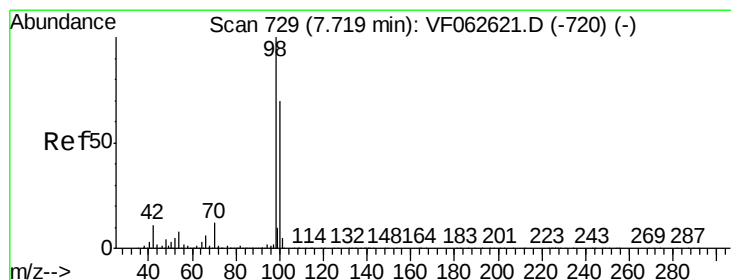
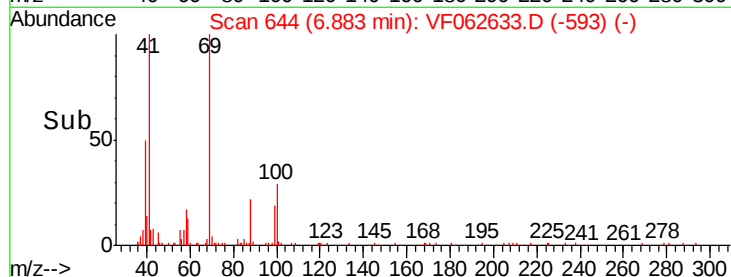
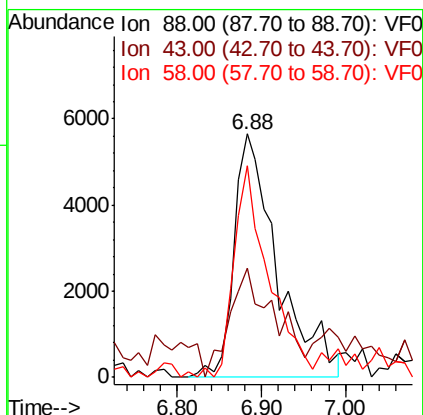
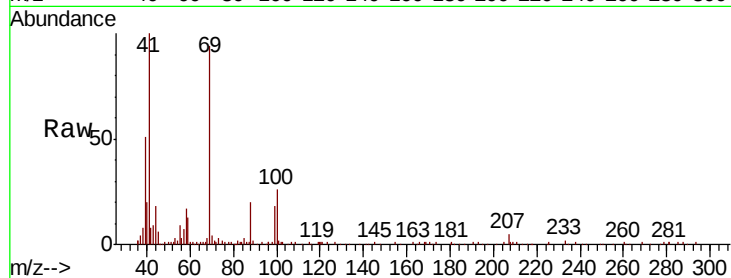
Tot Ion: 88 Resp: 20340

Ion Ratio Lower Upper

88 100

43 45.1 30.0 45.0#

58 87.1 51.1 76.7#



#50

Toluene-d8

Concen: 46.268 ug/l

RT: 7.72 min Scan# 729

Delta R.T. 0.00 min

Lab File: VF062633.D

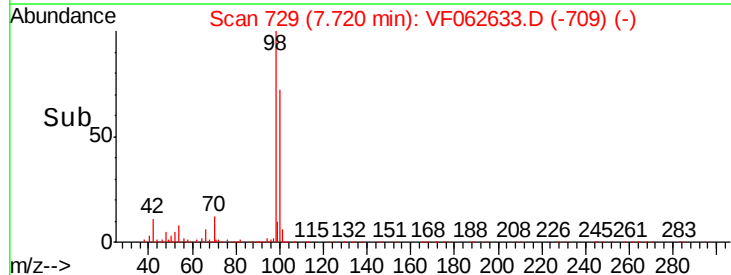
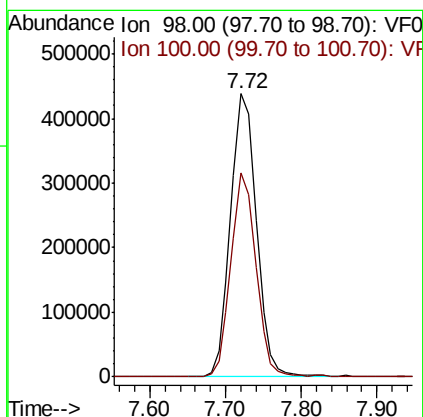
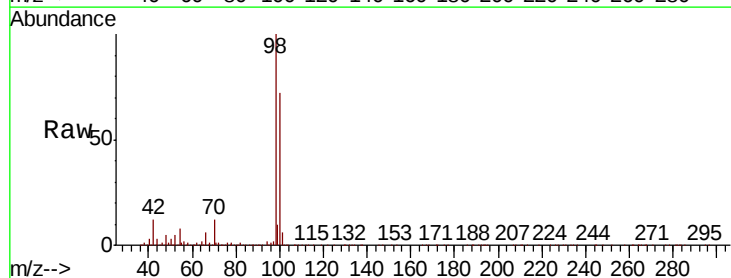
Acq: 17 May 2019 12:17

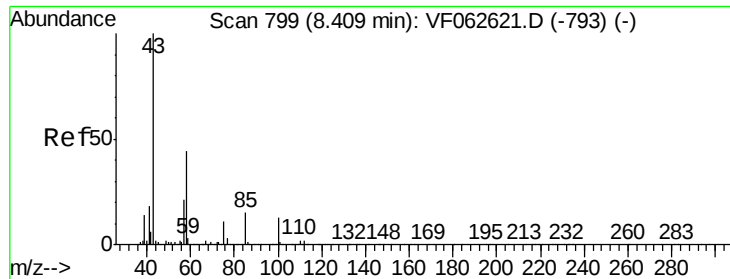
Tgt Ion: 98 Resp: 1044519

Ion Ratio Lower Upper

98 100

100 72.2 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 113.258 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :

MSVOA_F

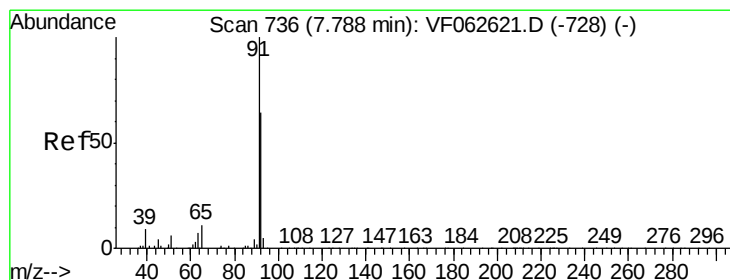
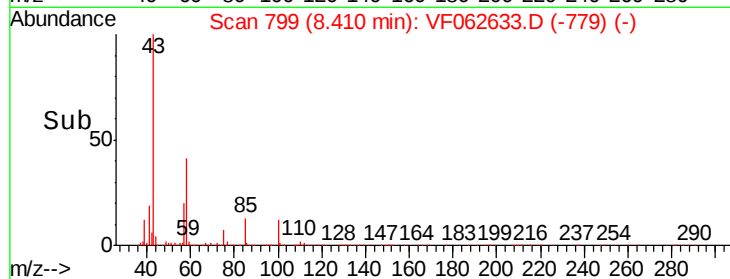
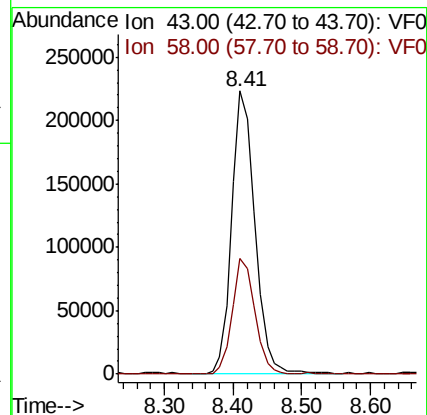
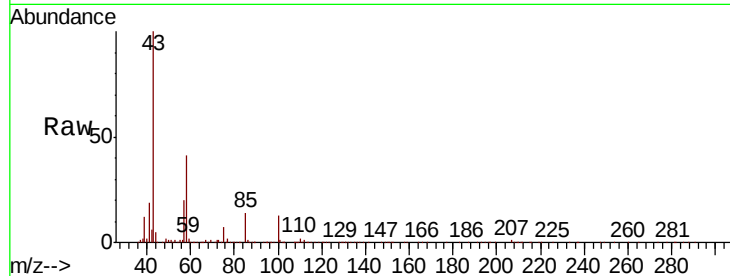
ClientSampleId :

Tot Ion: 43 Resp: 518501

Ion Ratio Lower Upper

43 100

58 40.7 34.9 52.3



#52

Toluene

Concen: 22.963 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF062633.D

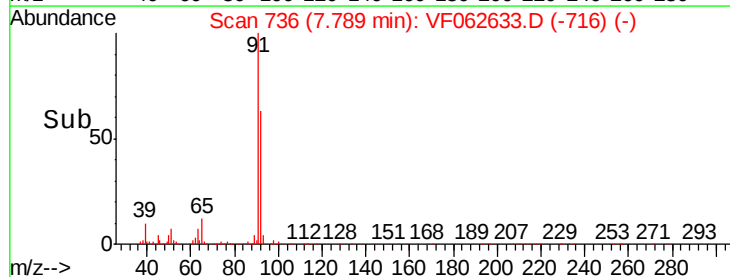
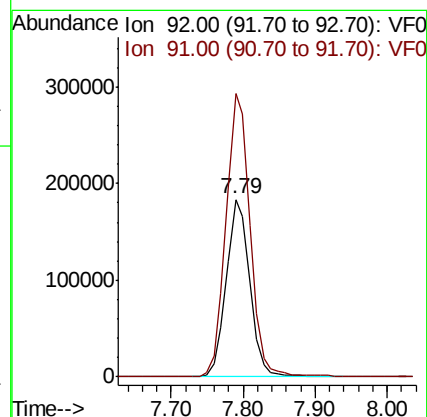
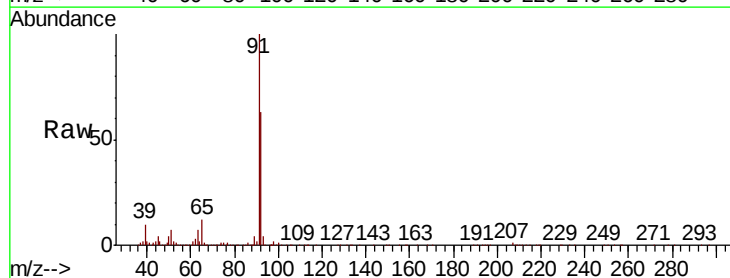
Acq: 17 May 2019 12:17

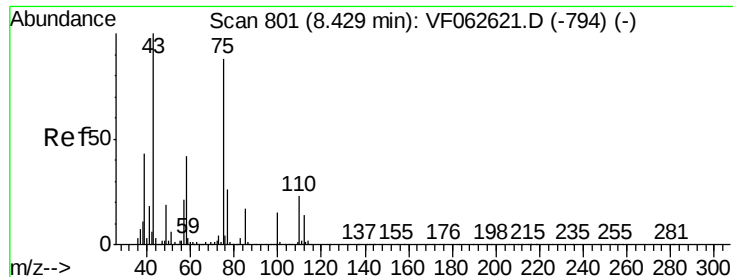
Tgt Ion: 92 Resp: 415405

Ion Ratio Lower Upper

92 100

91 159.5 125.4 188.0

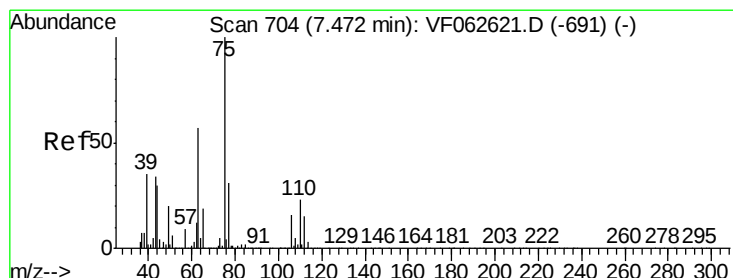
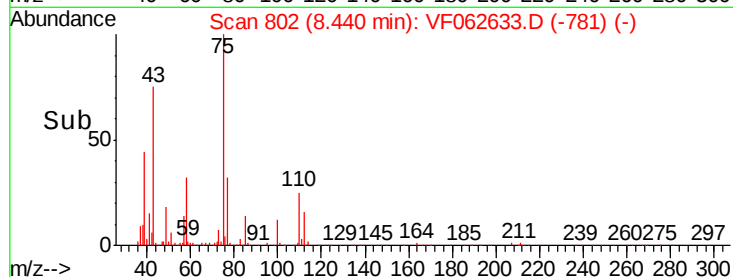
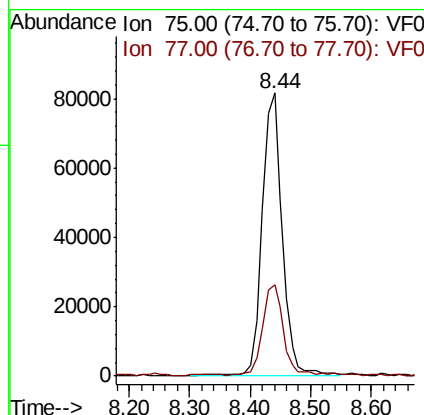
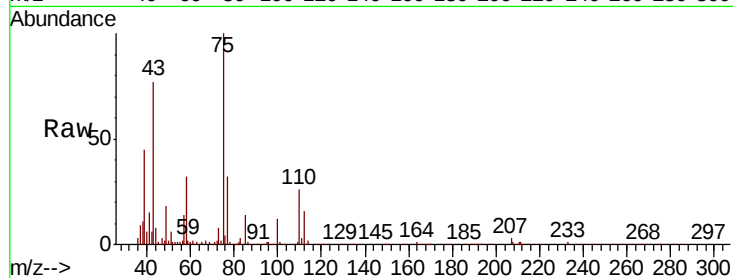




#53
 t-1,3-Dichloropropene
 Concen: 21.821 ug/l
 RT: 8.44 min Scan# 802
 Delta R.T. 0.01 min
 Lab File: VF062633.D
 Acq: 17 May 2019 12:17

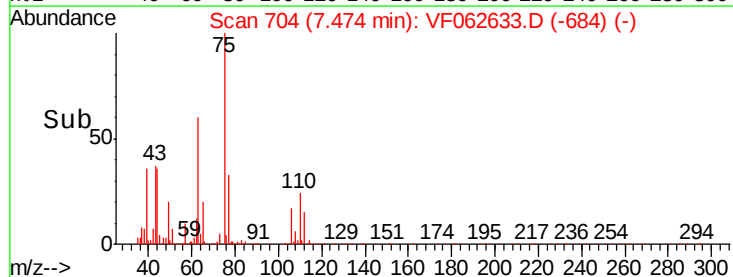
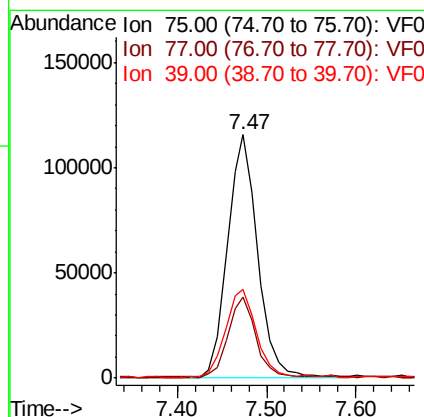
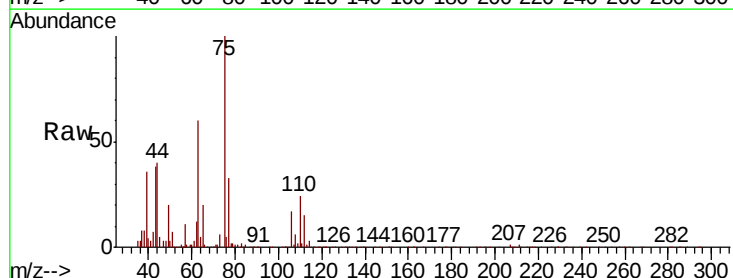
Instrument :
 MSVOA_F
 ClientSampleId :

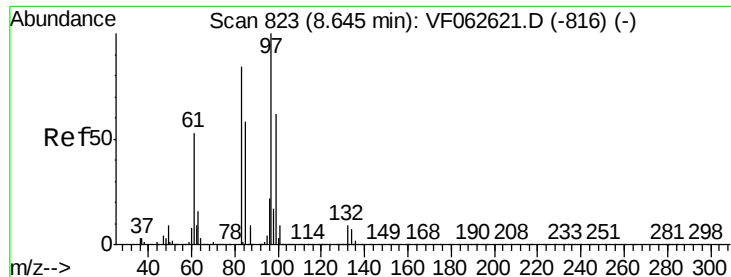
Tot Ion: 75 Resp: 186502
 Ion Ratio Lower Upper
 75 100
 77 32.1 24.2 36.4



#54
 cis-1,3-Dichloropropene
 Concen: 23.006 ug/l
 RT: 7.47 min Scan# 704
 Delta R.T. 0.00 min
 Lab File: VF062633.D
 Acq: 17 May 2019 12:17

Tgt Ion: 75 Resp: 275252
 Ion Ratio Lower Upper
 75 100
 77 33.2 25.3 37.9
 39 36.4 28.2 42.2





#55

1,1,2-Trichloroethane

Concen: 22.060 ug/l

RT: 8.65 min Scan# 823

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 97 Resp: 118159

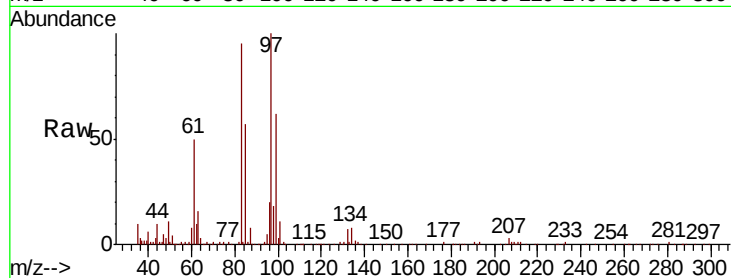
Ion	Ratio	Lower	Upper
97	100		
83	94.7	67.3	100.9
85	57.0	46.6	69.8
99	62.0	49.7	74.5

97 100

83 94.7 67.3 100.9

85 57.0 46.6 69.8

99 62.0 49.7 74.5



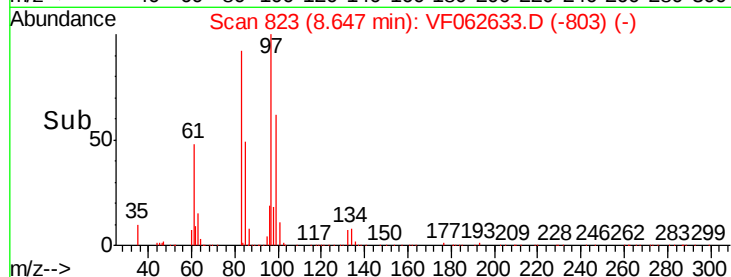
Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0

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#56

Ethyl methacrylate

Concen: 22.154 ug/l

RT: 8.77 min Scan# 835

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

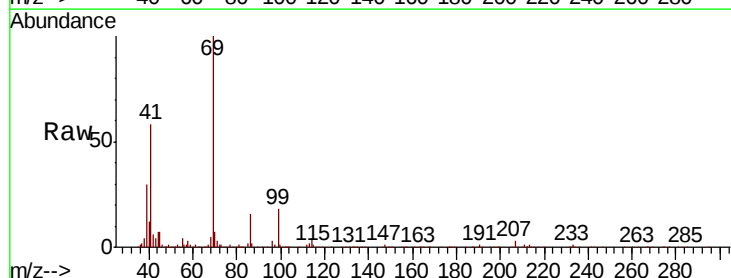
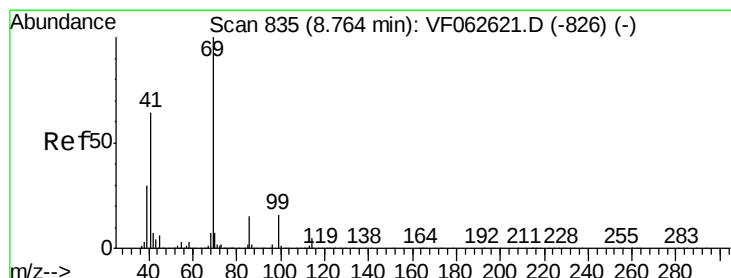
Tgt Ion: 69 Resp: 141371

Ion	Ratio	Lower	Upper
69	100		
41	58.2	51.4	77.2
39	30.5	23.6	35.4

69 100

41 58.2 51.4 77.2

39 30.5 23.6 35.4

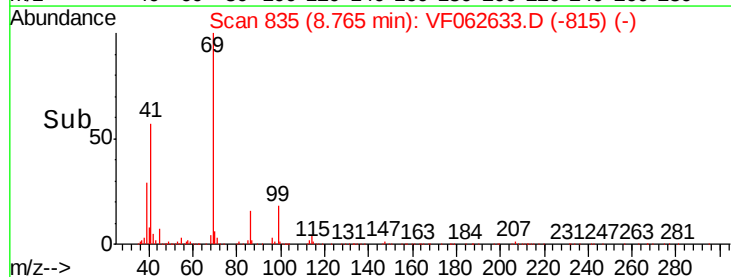


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

8.77



8.77

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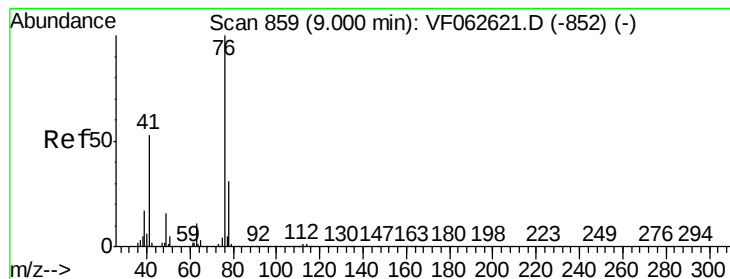
8.77

8.77

8.77

8.77

8.77



#57

1,3-Dichloropropane

Concen: 23.381 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.01 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :

MSVOA_F

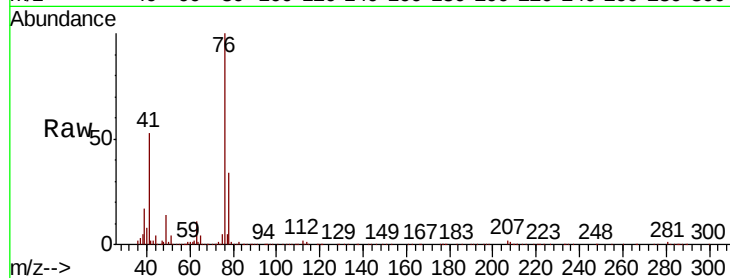
ClientSampled :

Tot Ion: 76 Resp: 213307

Ion Ratio Lower Upper

76 100

78 33.6 25.4 38.0



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

9.01

80000

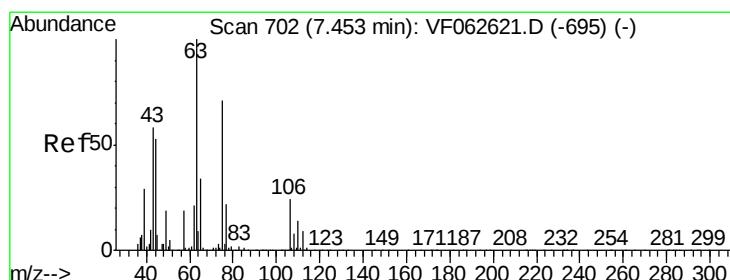
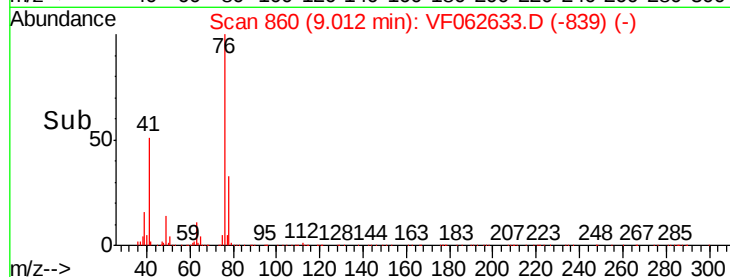
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 109.328 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF062633.D

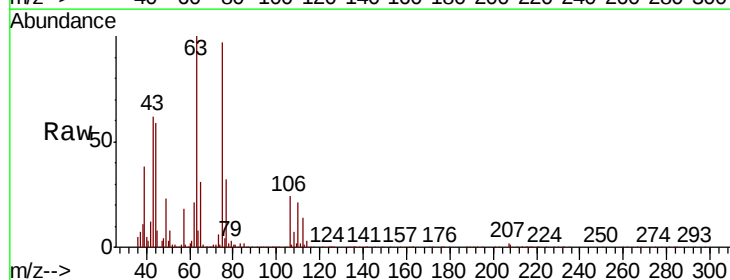
Acq: 17 May 2019 12:17

Tgt Ion: 63 Resp: 227085

Ion Ratio Lower Upper

63 100

106 23.7 19.1 28.7



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

7.46

120000

100000

80000

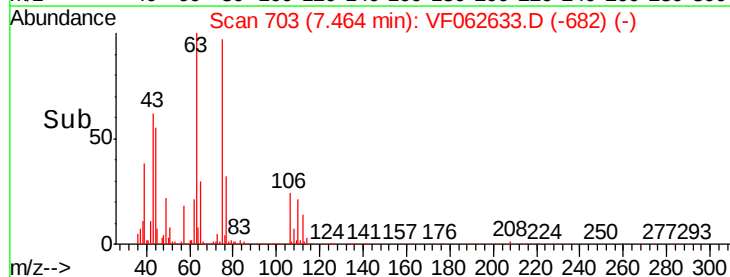
60000

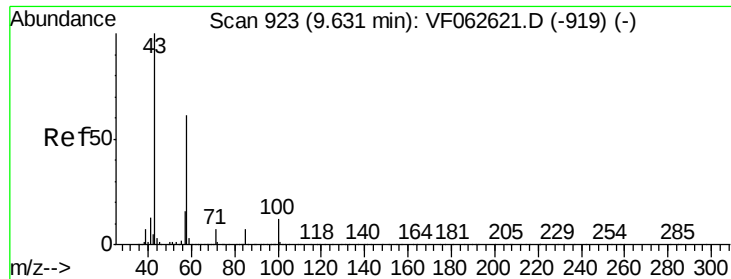
40000

20000

0

Time-->

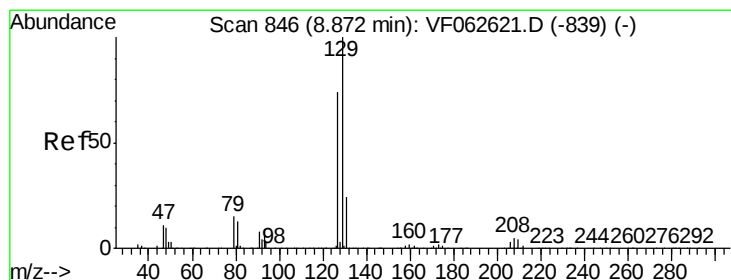
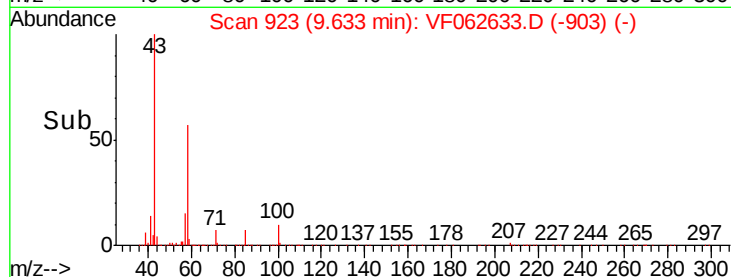
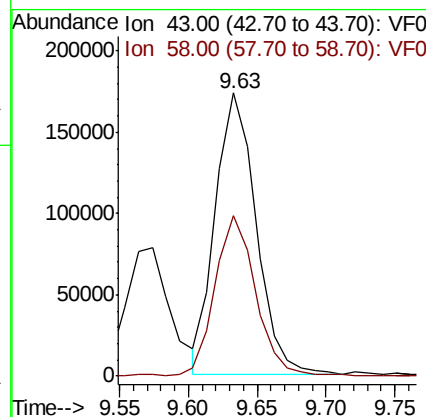
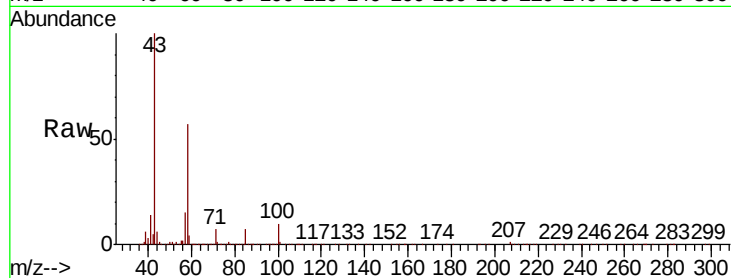




#59
2-Hexanone
Concen: 109.260 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

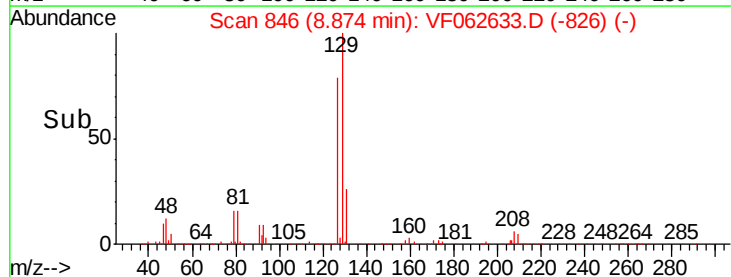
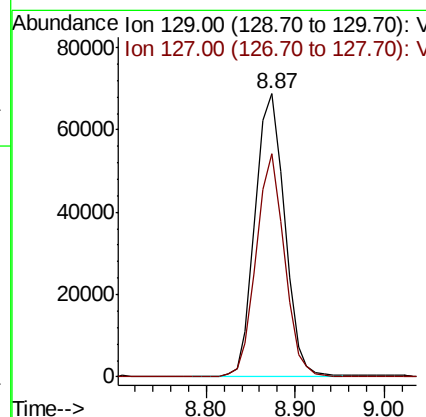
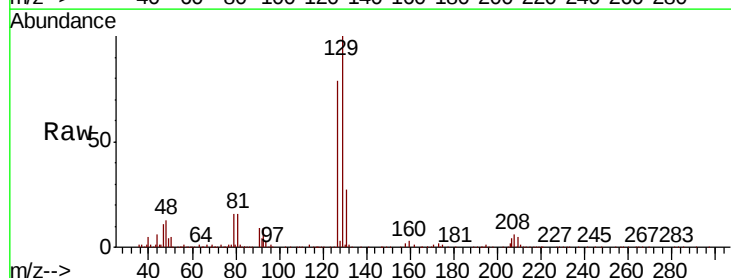
Instrument :
MSVOA_F
ClientSampleId :

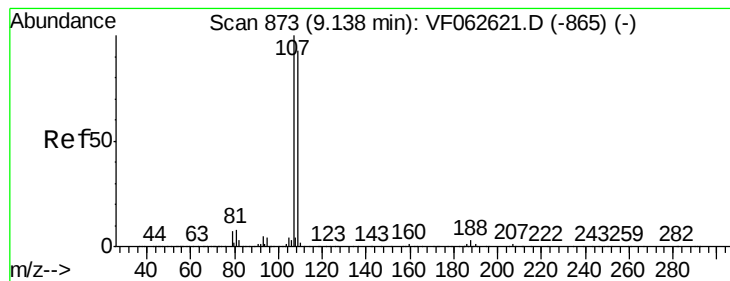
Tot Ion: 43 Resp: 355327
Ion Ratio Lower Upper
43 100
58 56.6 28.1 84.4



#60
Dibromochloromethane
Concen: 22.706 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

Tgt Ion: 129 Resp: 158506
Ion Ratio Lower Upper
129 100
127 78.7 37.2 111.6





#61

1,2-Dibromoethane

Concen: 23.124 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

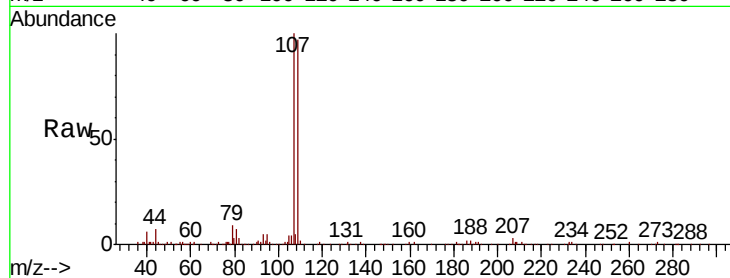
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:107 Resp: 131555

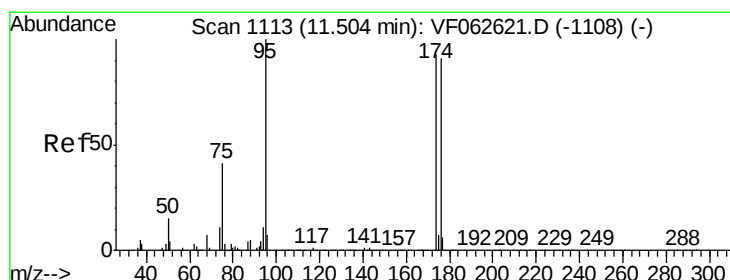
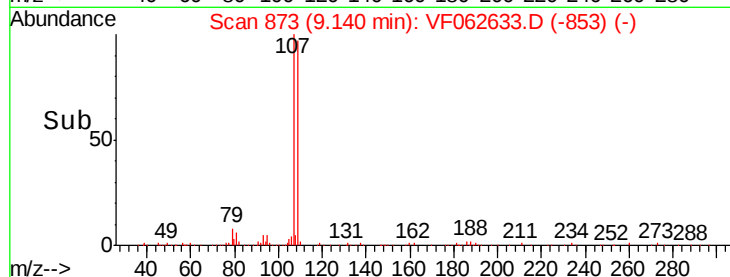
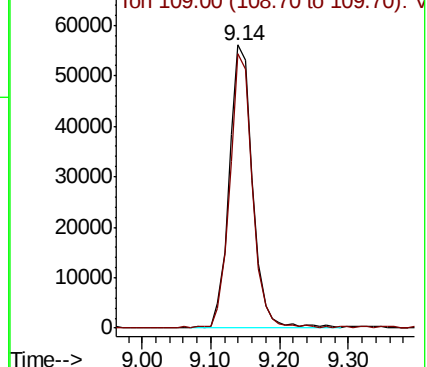
Ion Ratio Lower Upper

107 100

109 97.0 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 43.306 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

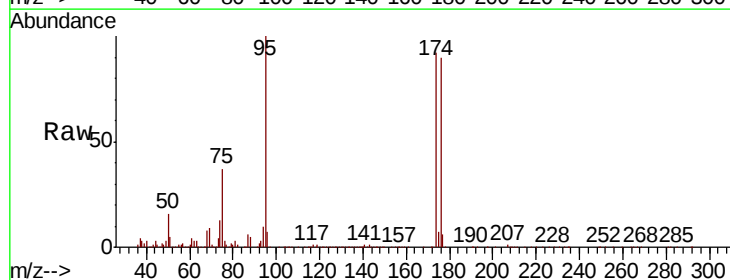
Tgt Ion: 95 Resp: 370796

Ion Ratio Lower Upper

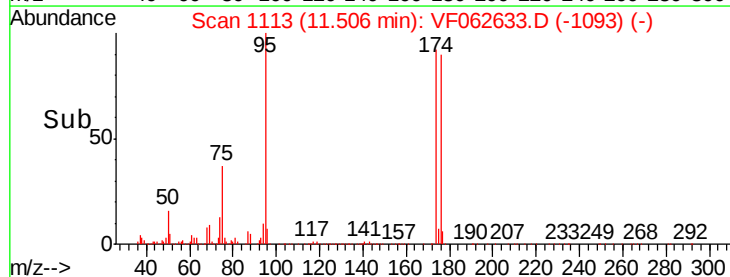
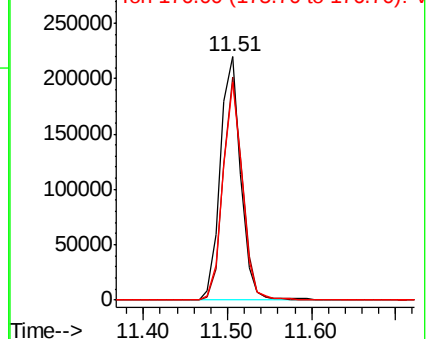
95 100

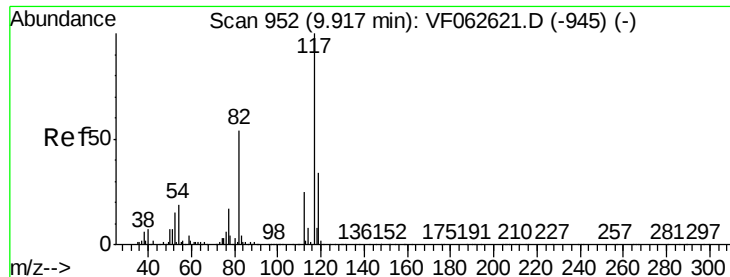
174 91.8 0.0 185.6

176 89.5 0.0 182.4



Abundance Ion 95.00 (94.70 to 95.70): VF0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

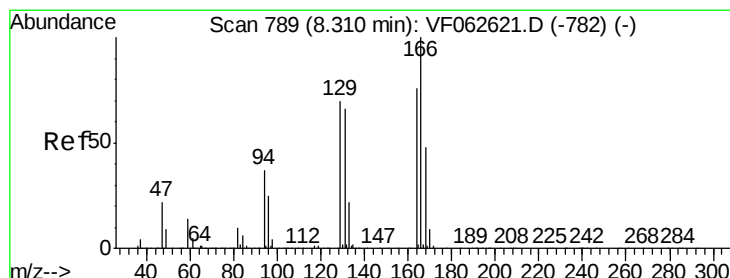
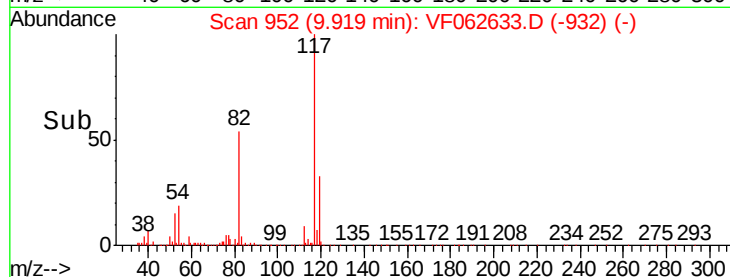
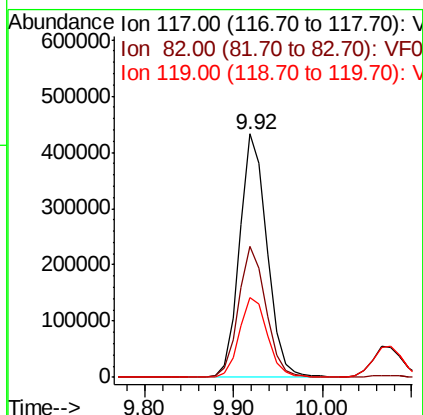
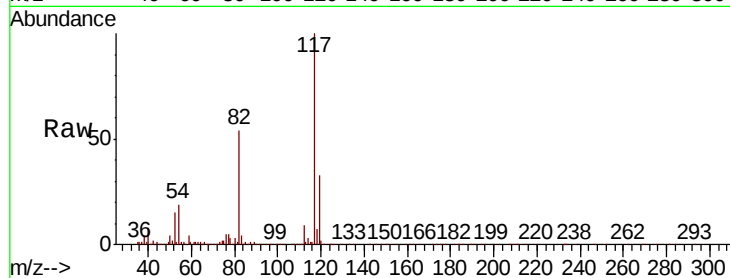




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

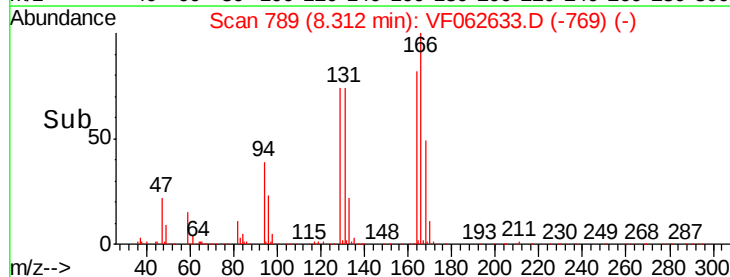
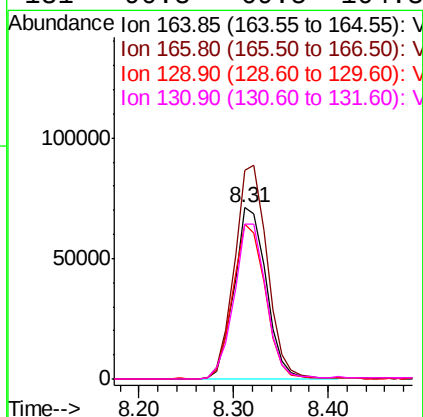
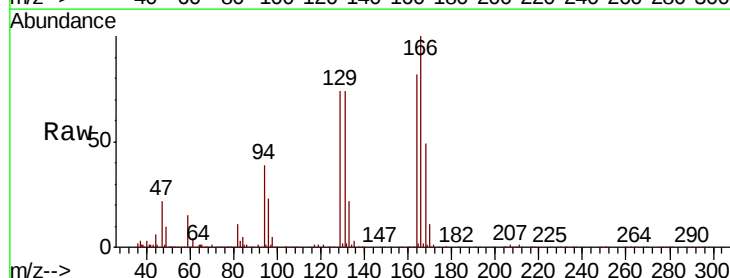
Instrument :
MSVOA_F
ClientSampled :

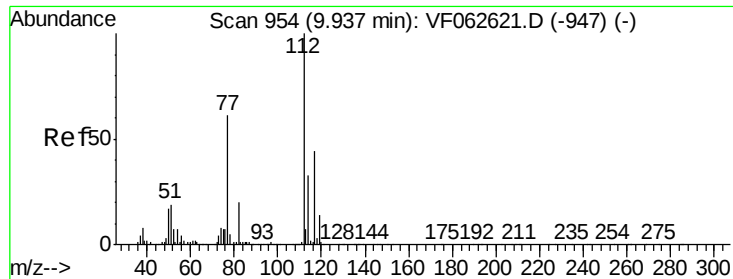
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	43.3	64.9
119	32.6	27.4	41.0



#64
Tetrachloroethene
Concen: 22.980 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.3	105.5	158.3
129	90.7	73.8	110.6
131	90.8	69.5	104.3

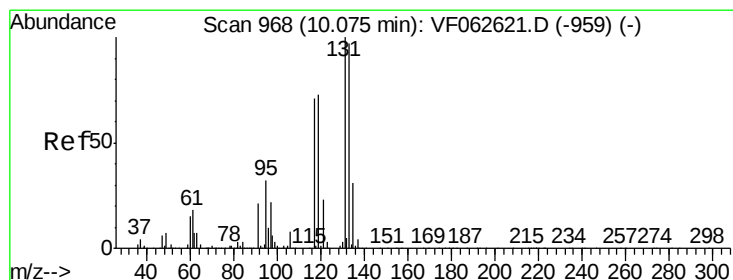
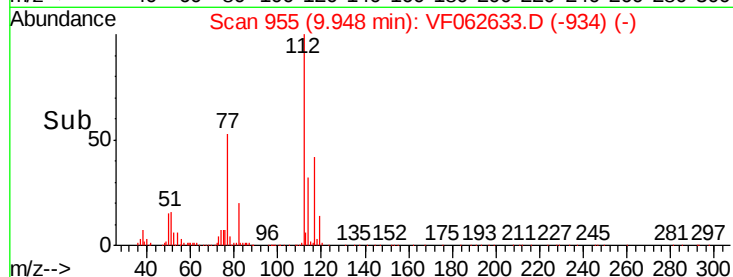
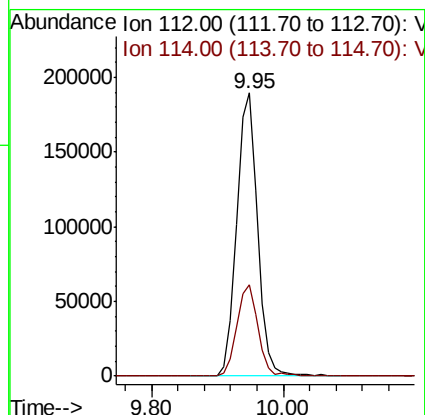
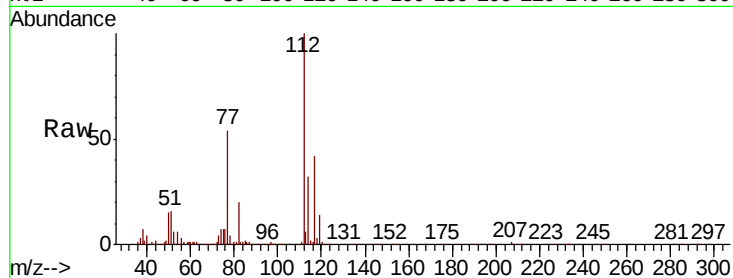




#65
Chlorobenzene
Concen: 23.301 ug/l
RT: 9.95 min Scan# 955
Delta R.T. 0.01 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

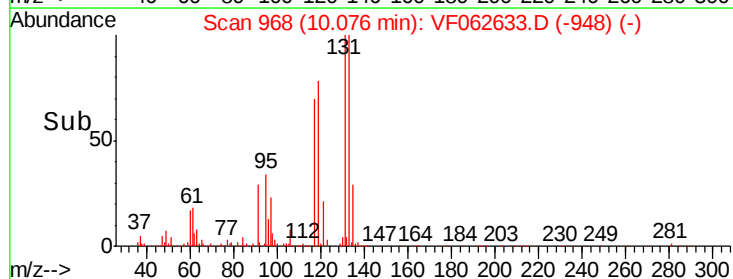
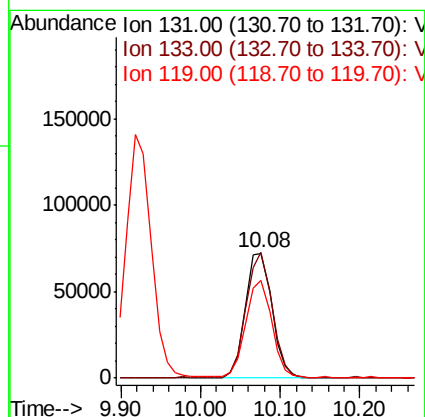
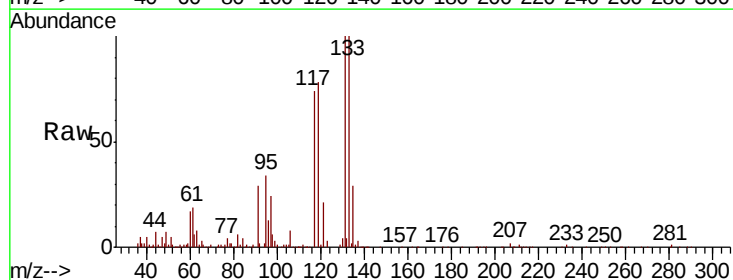
Instrument :
MSVOA_F
ClientSampleId :

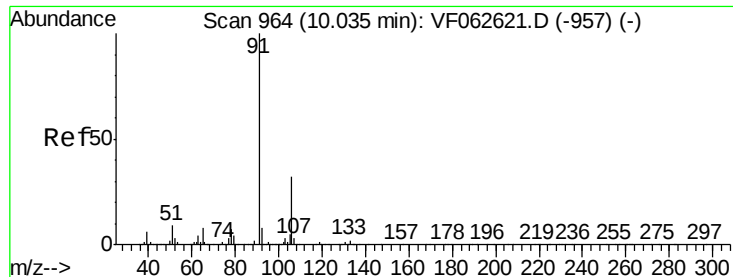
Tot Ion:112 Resp: 422994
Ion Ratio Lower Upper
112 100
114 32.1 26.8 40.2



#66
1,1,1,2-Tetrachloroethane
Concen: 22.982 ug/l
RT: 10.08 min Scan# 968
Delta R.T. 0.00 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

Tgt Ion:131 Resp: 167489
Ion Ratio Lower Upper
131 100
133 100.2 48.5 145.5
119 77.8 36.8 110.4

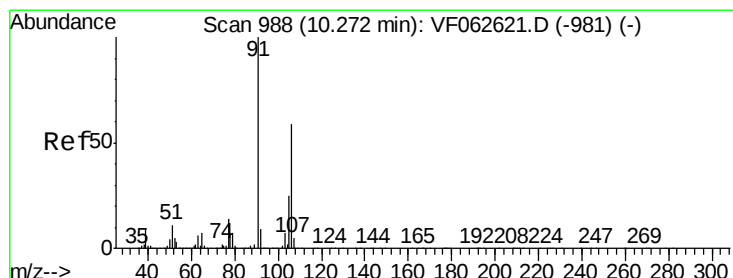
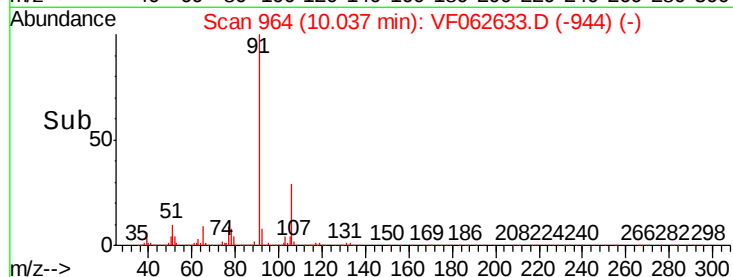
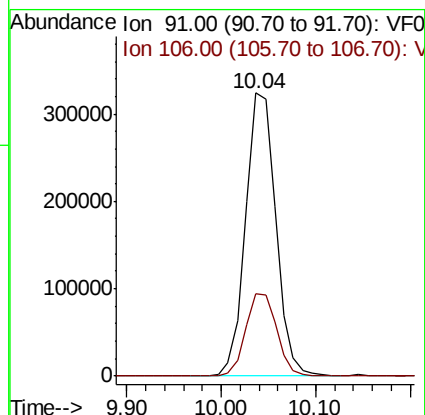
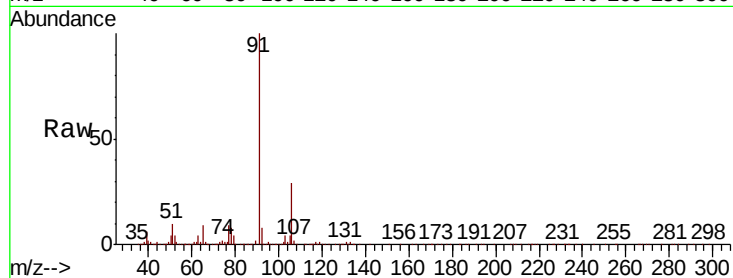




#67
Ethyl Benzene
Concen: 22.876 ug/l
RT: 10.04 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

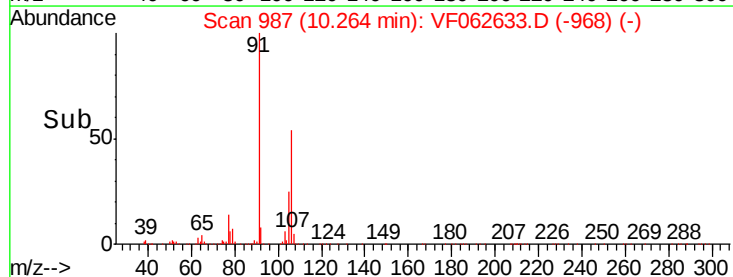
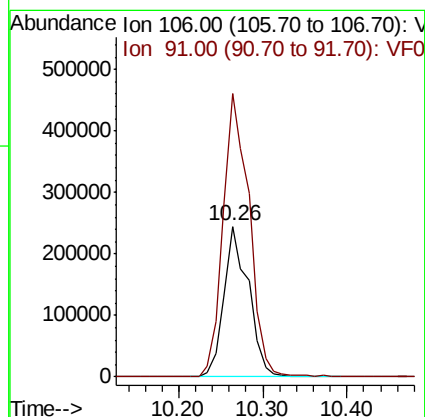
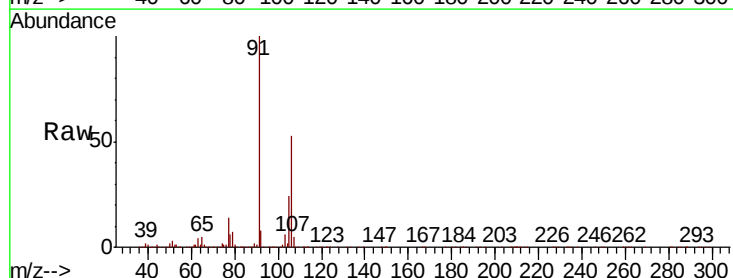
Instrument :
MSVOA_F
ClientSampleId :

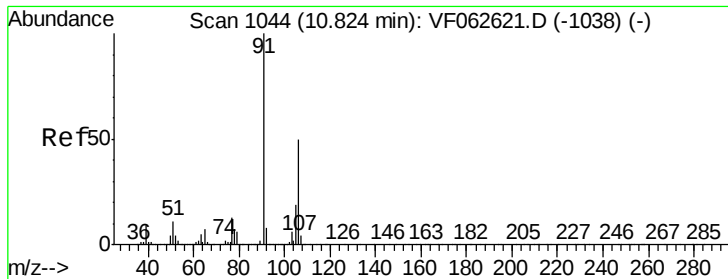
Tot Ion: 91 Resp: 721443
Ion Ratio Lower Upper
91 100
106 29.1 25.8 38.8



#68
m/p-Xylenes
Concen: 41.975 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

Tgt Ion: 106 Resp: 497531
Ion Ratio Lower Upper
106 100
91 188.2 136.9 205.3

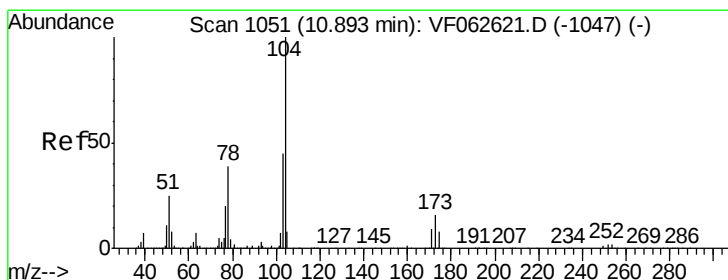
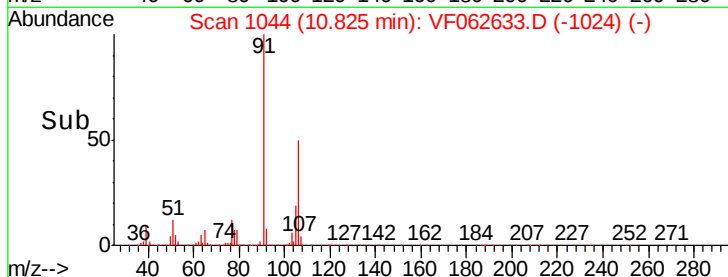
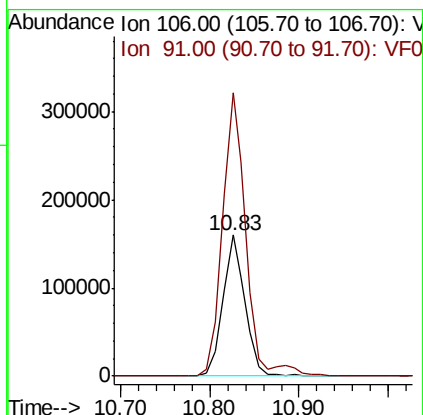
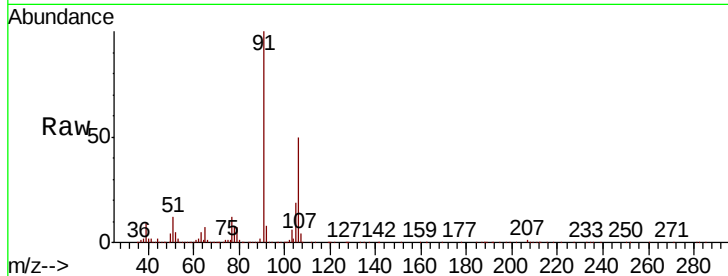




#69
o-Xylene
Concen: 22.751 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

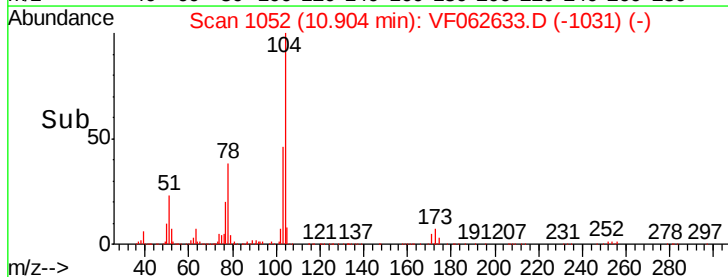
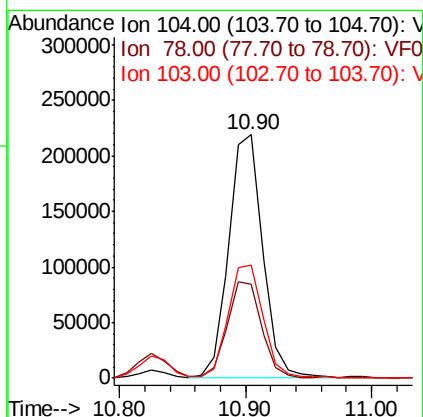
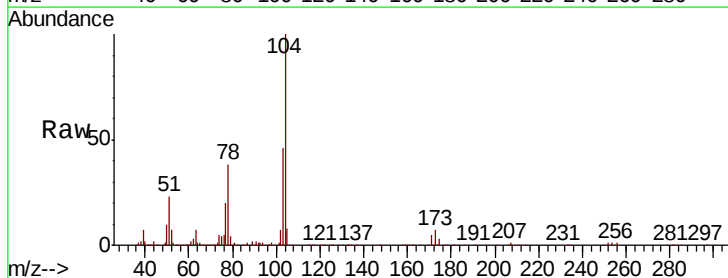
Instrument :
MSVOA_F
ClientSampleId :

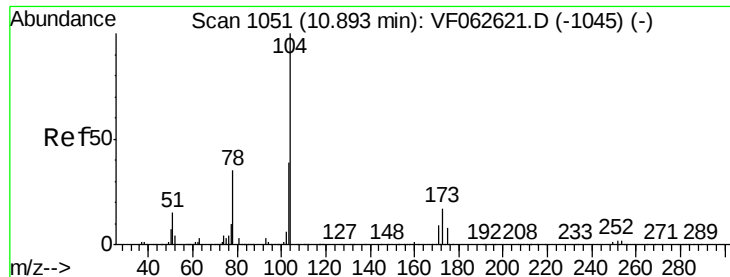
Tot Ion:106 Resp: 277761
Ion Ratio Lower Upper
106 100
91 201.1 100.2 300.5



#70
Styrene
Concen: 21.862 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

Tgt Ion:104 Resp: 405675
Ion Ratio Lower Upper
104 100
78 38.4 31.9 47.9
103 46.2 36.1 54.1





#71

Bromoform

Concen: 21.753 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :

MSVOA_F

ClientSampled :

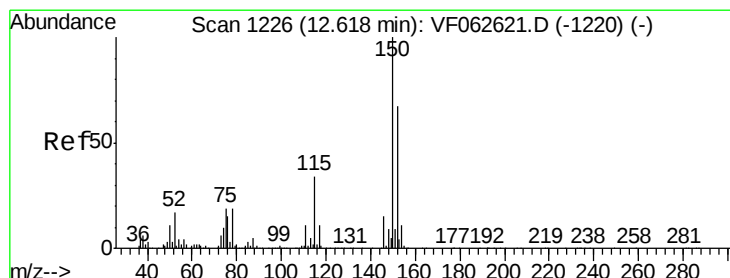
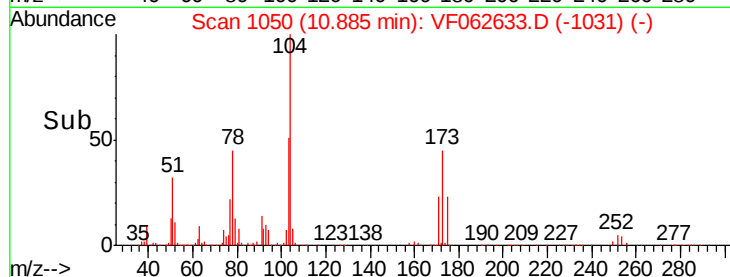
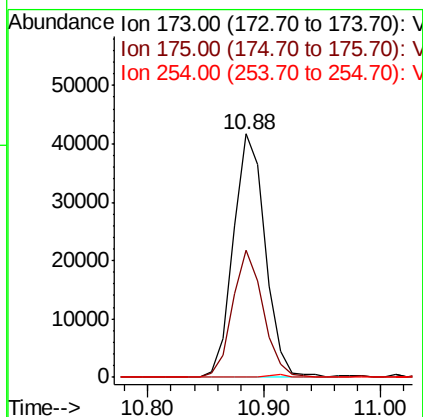
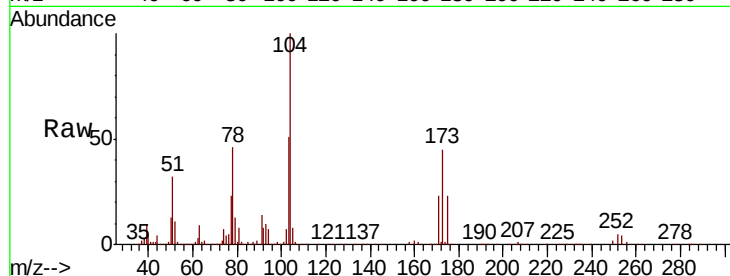
Tot Ion:173 Resp: 79398

Ion Ratio Lower Upper

173 100

175 52.5 25.3 75.9

254 0.0 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

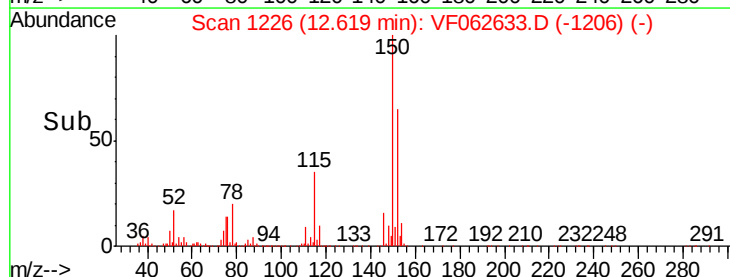
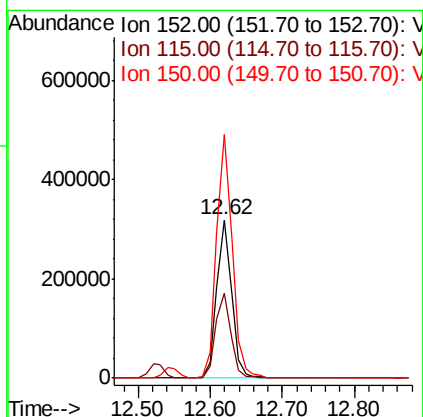
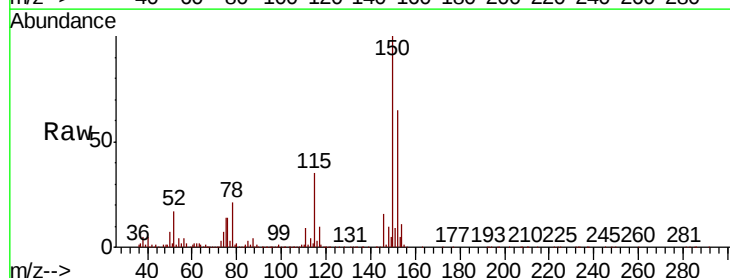
Tgt Ion:152 Resp: 451019

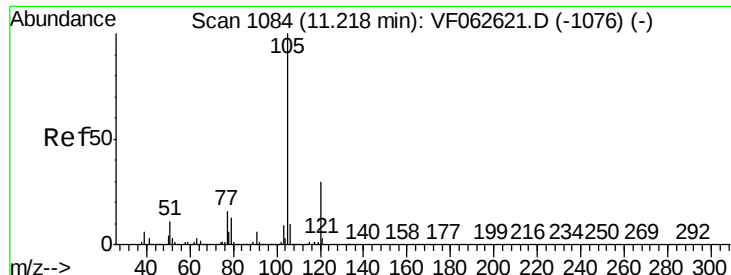
Ion Ratio Lower Upper

152 100

115 53.8 25.2 75.6

150 154.1 0.0 306.2





#73

Isopropylbenzene

Concen: 23.799 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :

MSVOA_F

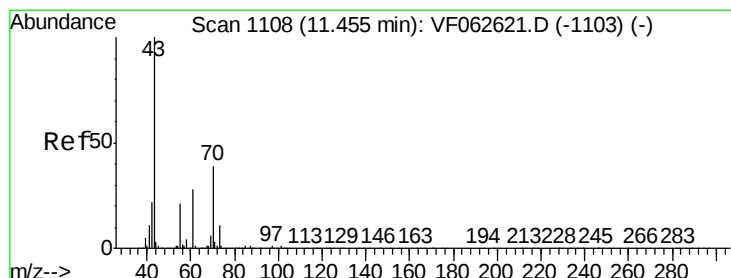
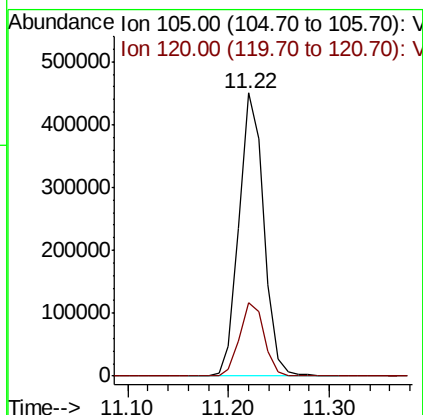
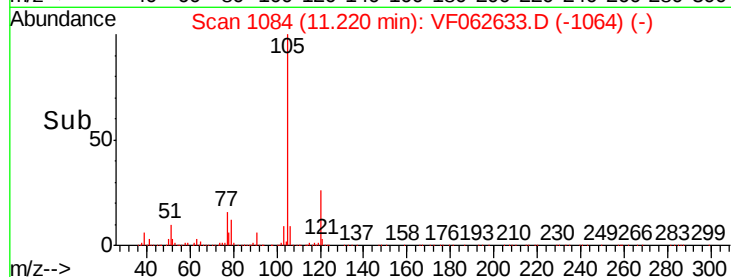
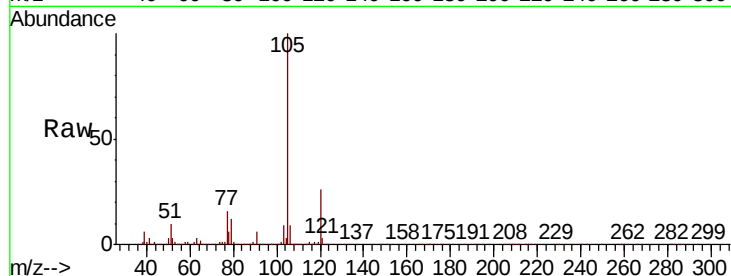
ClientSampleId :

Tot Ion:105 Resp: 769291

Ion Ratio Lower Upper

105 100

120 26.1 14.8 44.4



#74

N-ethyl acetate

Concen: 22.595 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Tgt Ion: 43 Resp: 210169

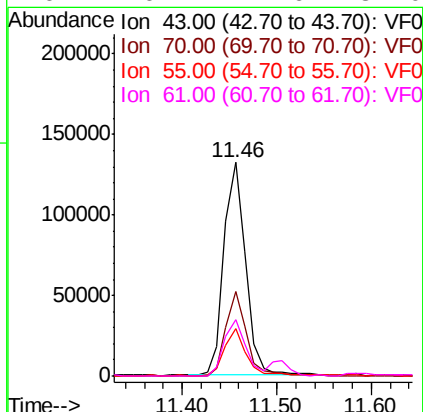
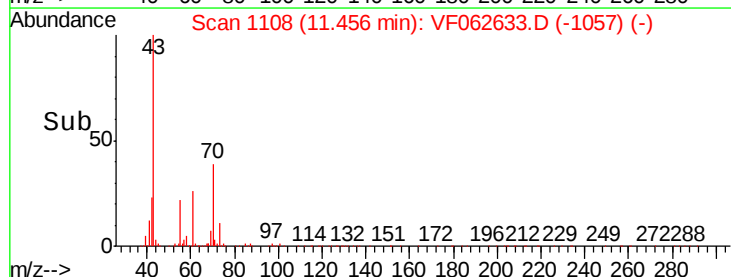
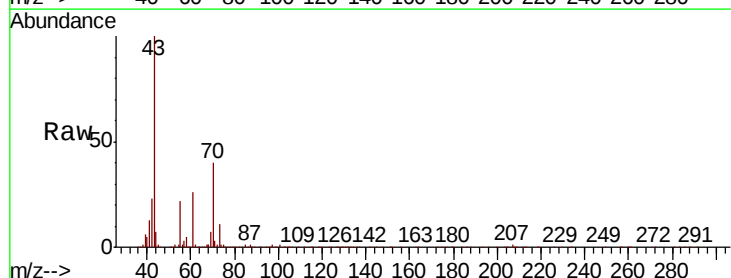
Ion Ratio Lower Upper

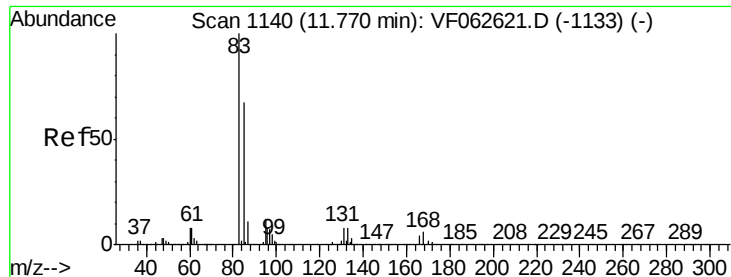
43 100

70 39.5 30.9 46.3

55 22.3 17.0 25.4

61 26.4 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.713 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

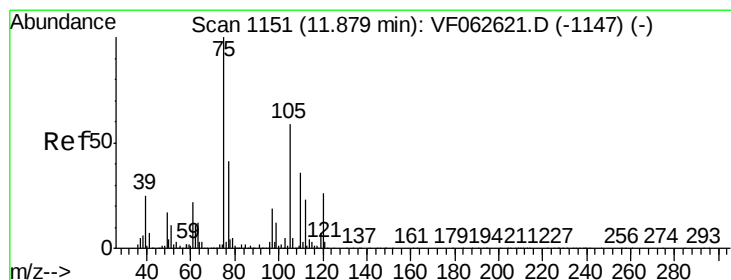
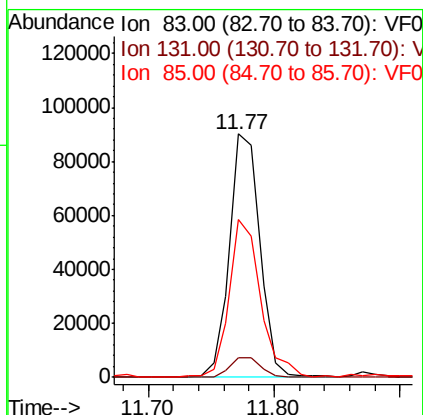
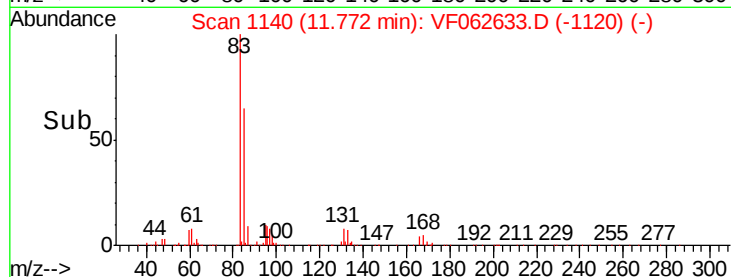
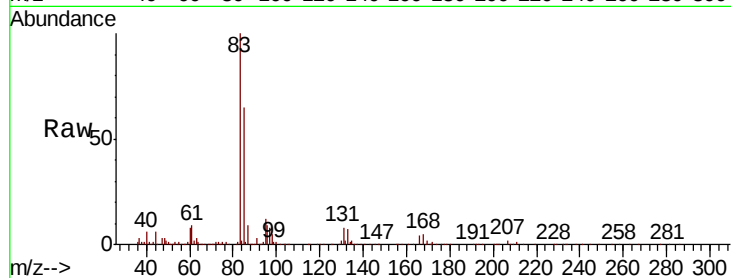
Tot Ion: 83 Resp: 150047

Ion Ratio Lower Upper

83 100

131 8.3 4.0 12.0

85 64.7 33.5 100.5



#76

1,2,3-Trichloropropane

Concen: 22.039 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. 0.00 min

Lab File: VF062633.D

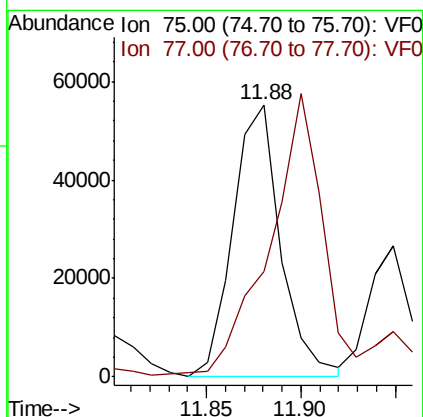
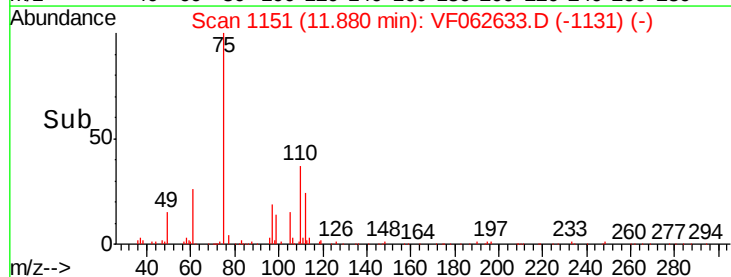
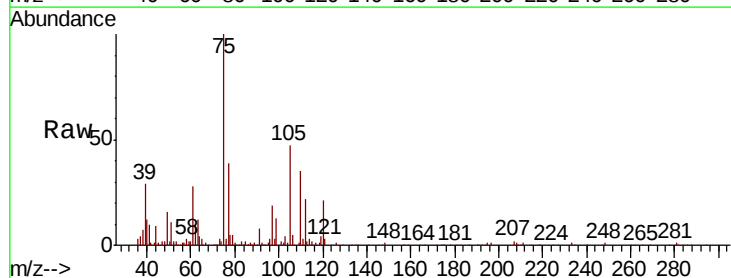
Acq: 17 May 2019 12:17

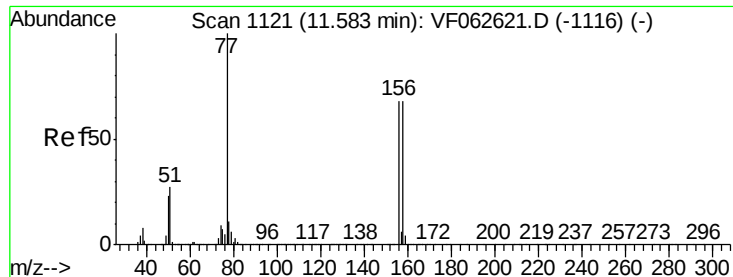
Tgt Ion: 75 Resp: 95662

Ion Ratio Lower Upper

75 100

77 39.0 20.6 61.8





#77

Bromobenzene

Concen: 22.654 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

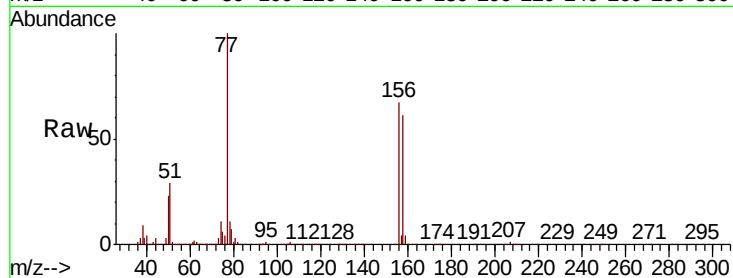
Tot Ion:156 Resp: 182028

Ion Ratio Lower Upper

156 100

77 149.3 73.6 220.8

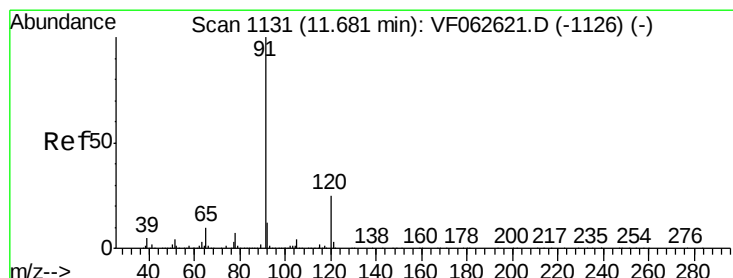
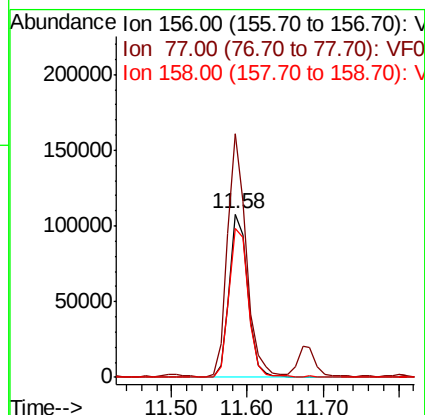
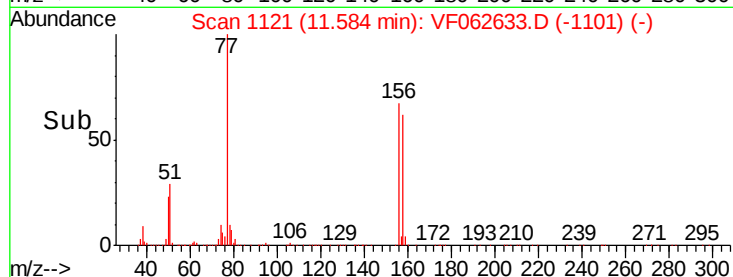
158 91.5 49.6 148.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 22.490 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF062633.D

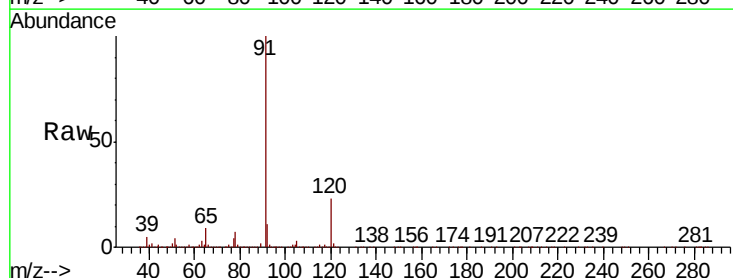
Acq: 17 May 2019 12:17

Tgt Ion: 91 Resp: 860392

Ion Ratio Lower Upper

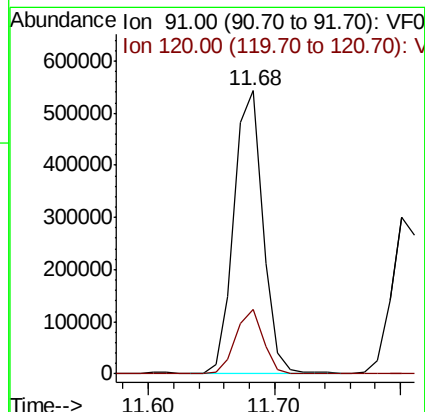
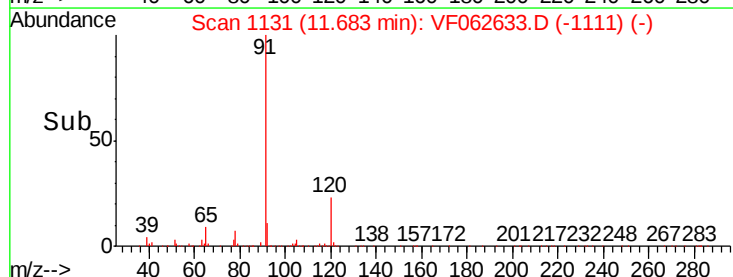
91 100

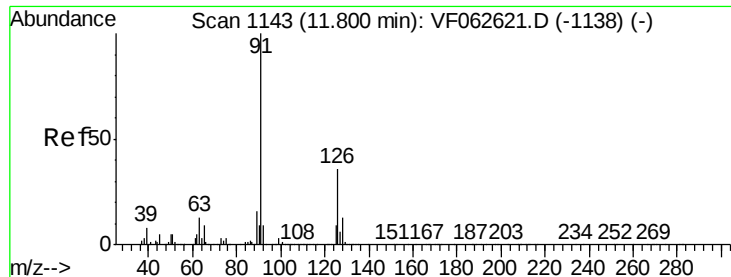
120 23.0 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.599 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :

MSVOA_F

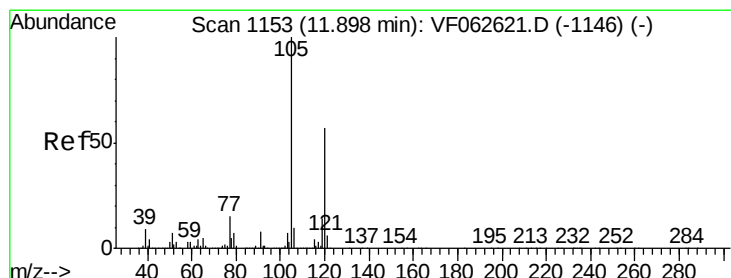
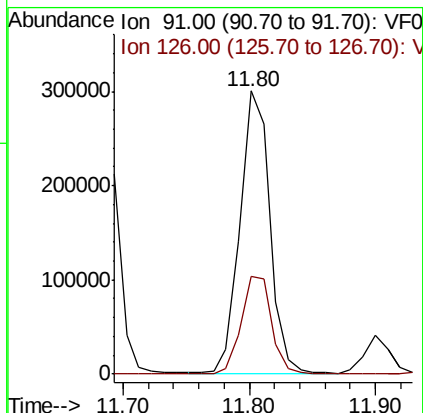
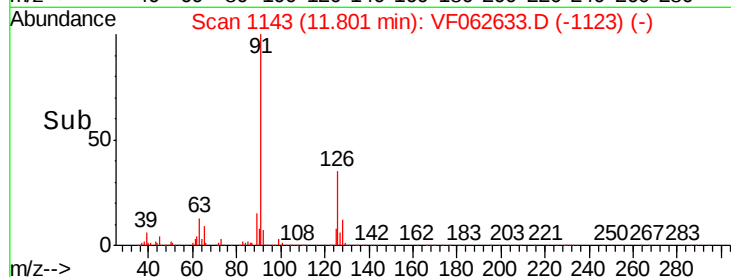
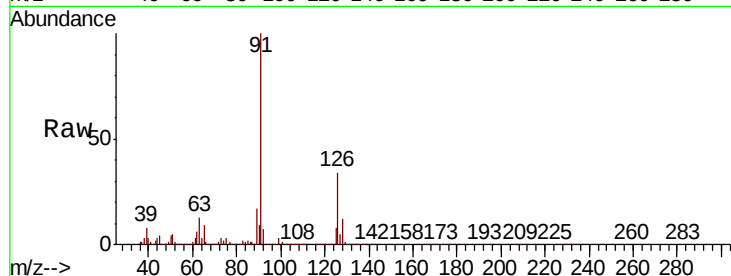
ClientSampleId :

Tot Ion: 91 Resp: 487224

Ion Ratio Lower Upper

91 100

126 34.5 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 22.934 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VF062633.D

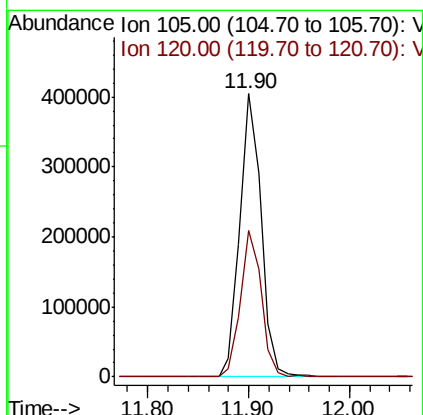
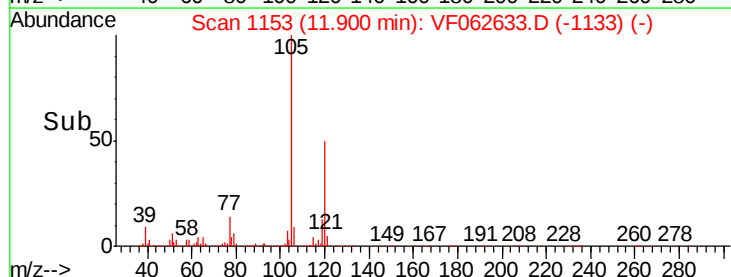
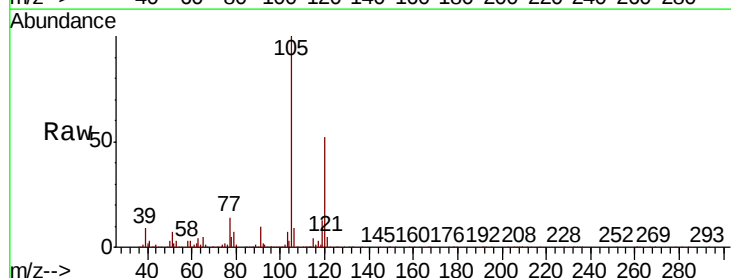
Acq: 17 May 2019 12:17

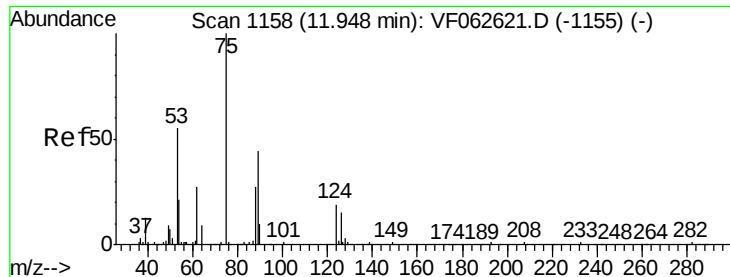
Tgt Ion:105 Resp: 594457

Ion Ratio Lower Upper

105 100

120 51.8 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 27.157 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

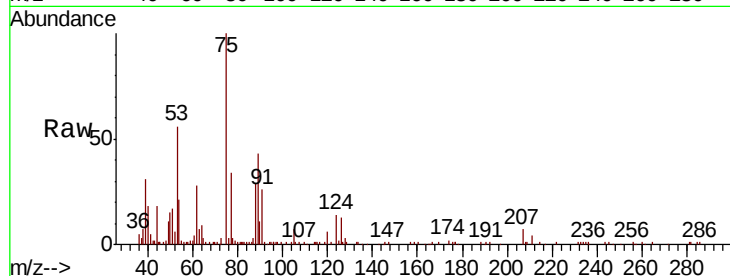
Tot Ion: 75 Resp: 52398

Ion Ratio Lower Upper

75 100

53 55.6 46.9 70.3

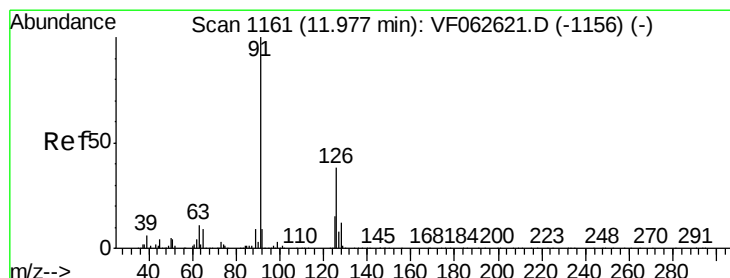
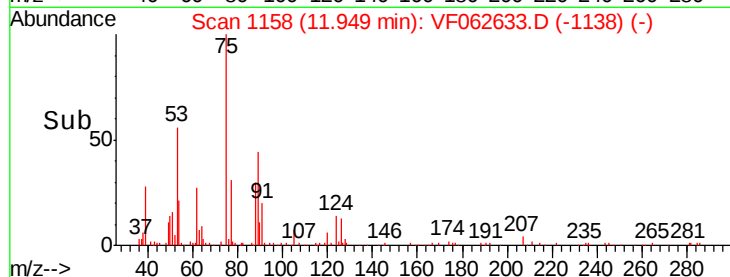
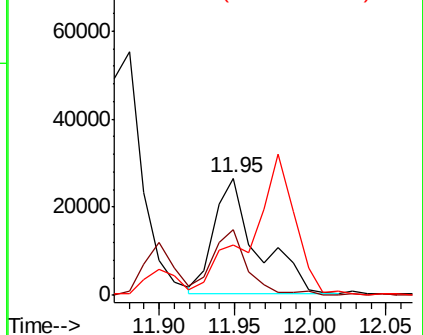
89 43.4 36.4 54.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 23.757 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VF062633.D

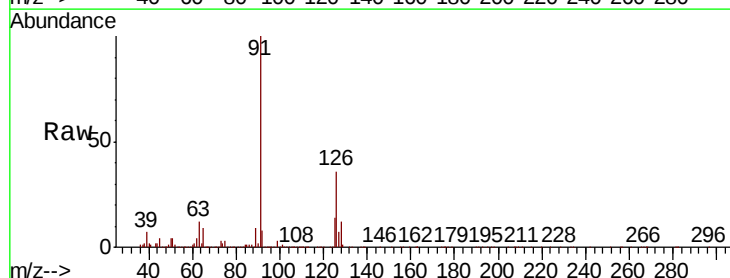
Acq: 17 May 2019 12:17

Tgt Ion: 91 Resp: 505101

Ion Ratio Lower Upper

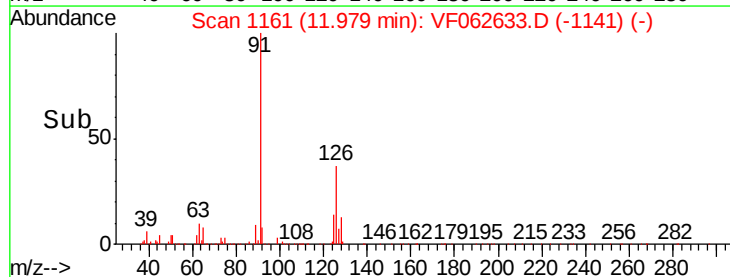
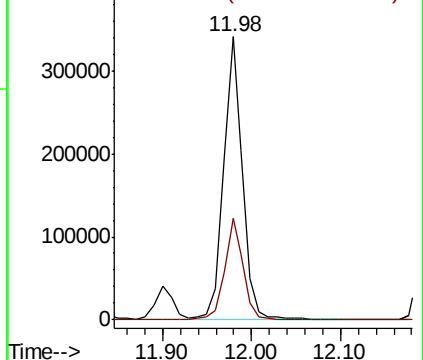
91 100

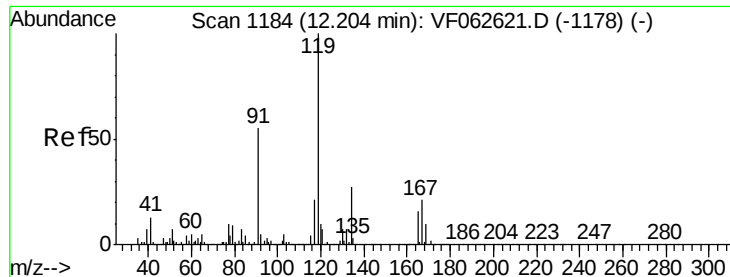
126 35.8 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

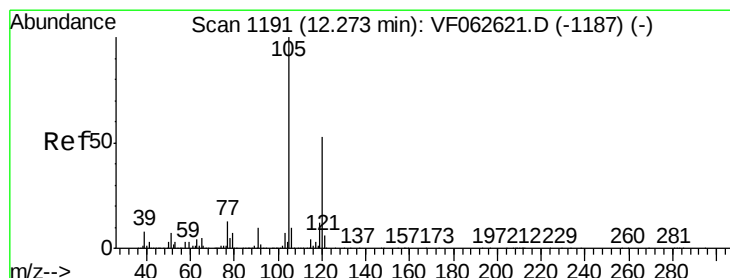
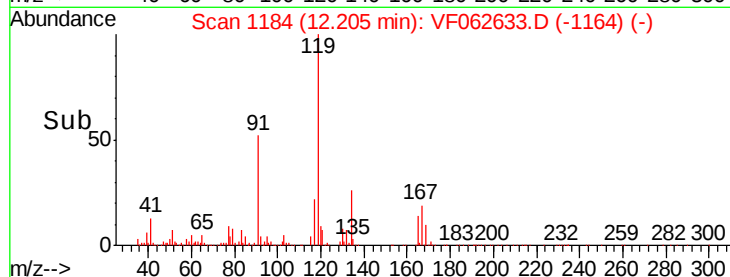
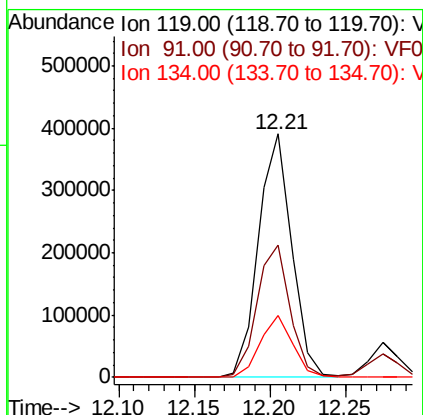
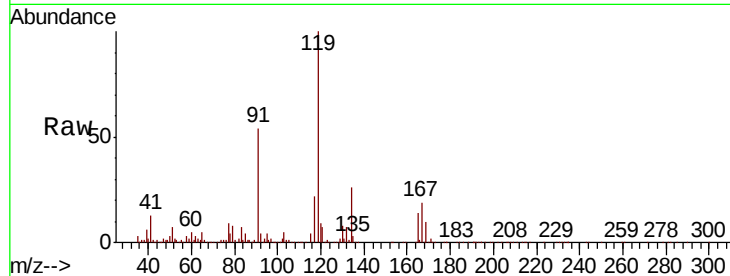




#83
tert-Butylbenzene
Concen: 22.889 ug/l
RT: 12.21 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

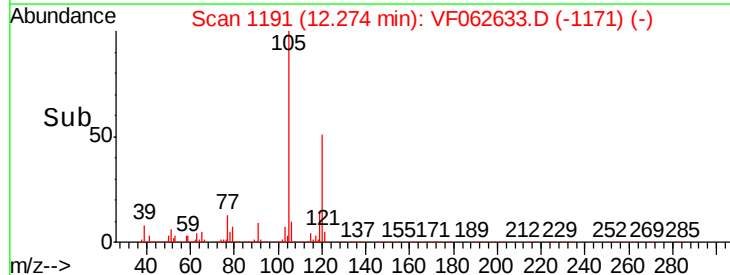
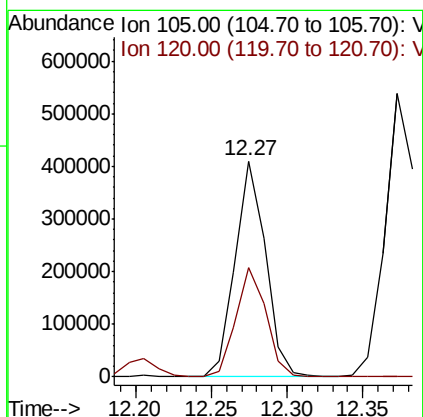
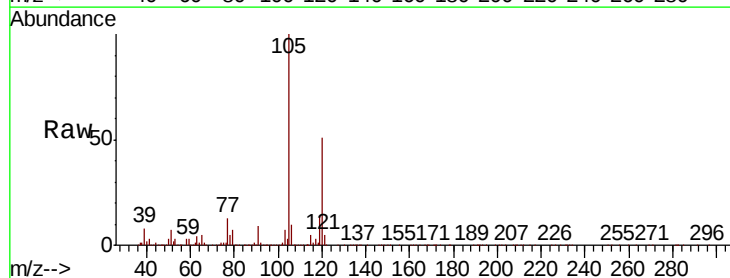
Instrument :
MSVOA_F
ClientSampleId :

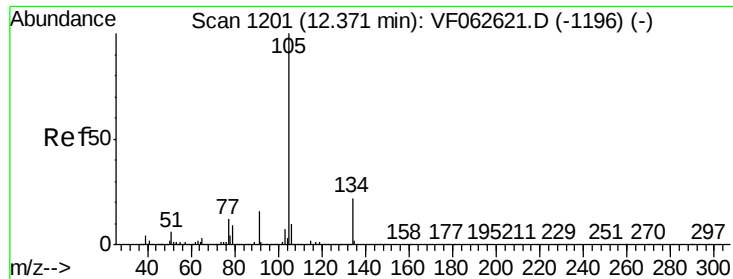
Tot Ion:119 Resp: 601922
Ion Ratio Lower Upper
119 100
91 54.4 27.3 81.9
134 25.7 13.6 40.7



#84
1,2,4-Trimethylbenzene
Concen: 22.851 ug/l
RT: 12.27 min Scan# 1191
Delta R.T. 0.00 min
Lab File: VF062633.D
Acq: 17 May 2019 12:17

Tgt Ion:105 Resp: 573268
Ion Ratio Lower Upper
105 100
120 50.7 26.7 80.1





#85

sec-Butylbenzene

Concen: 22.274 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :

MSVOA_F

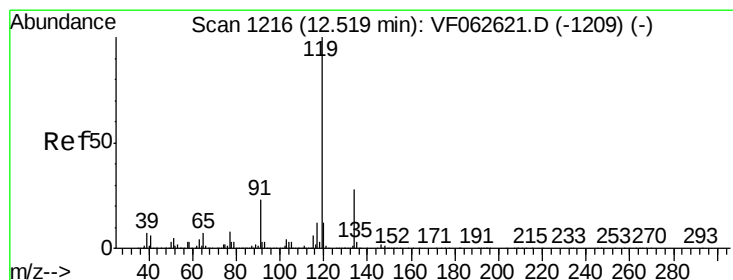
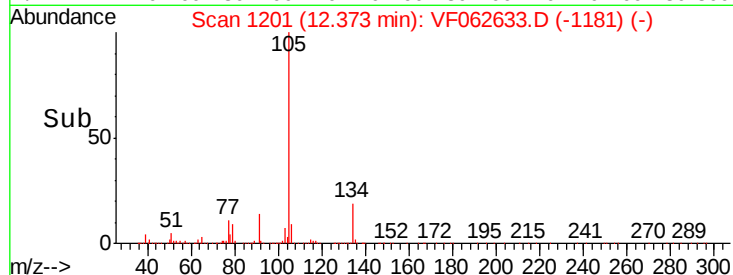
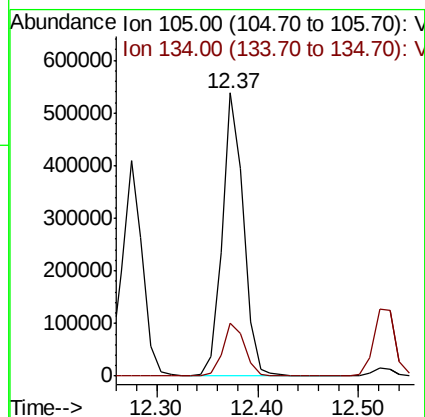
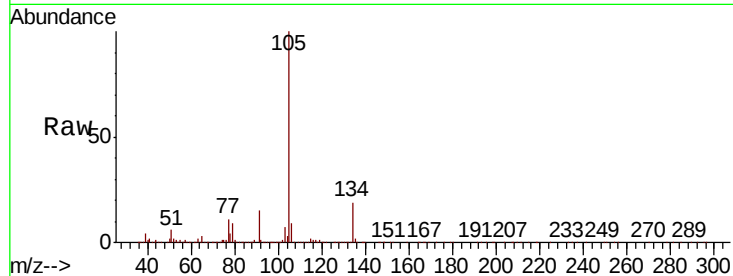
ClientSampleId :

Tot Ion:105 Resp: 786083

Ion Ratio Lower Upper

105 100

134 18.7 10.8 32.4



#86

p-Isopropyltoluene

Concen: 23.850 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

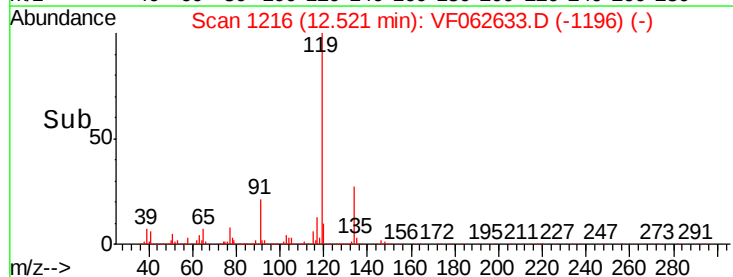
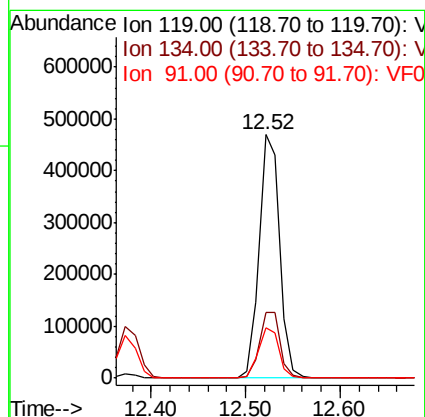
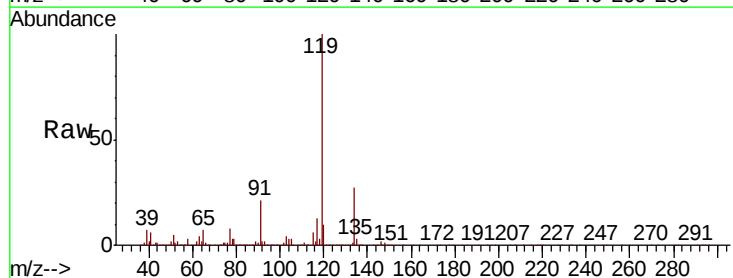
Tgt Ion:119 Resp: 709332

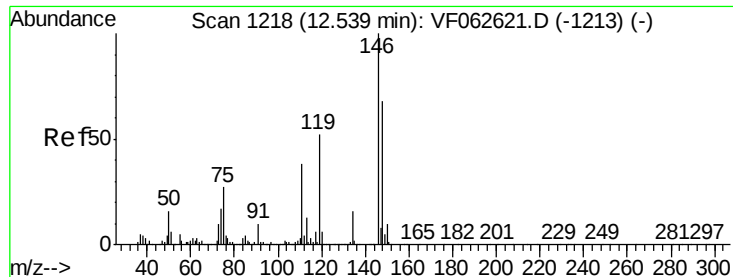
Ion Ratio Lower Upper

119 100

134 27.1 14.1 42.3

91 20.8 11.4 34.2

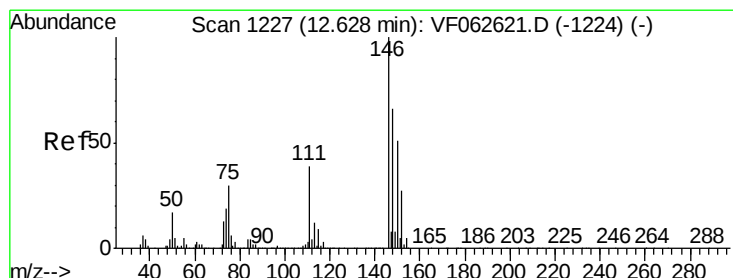
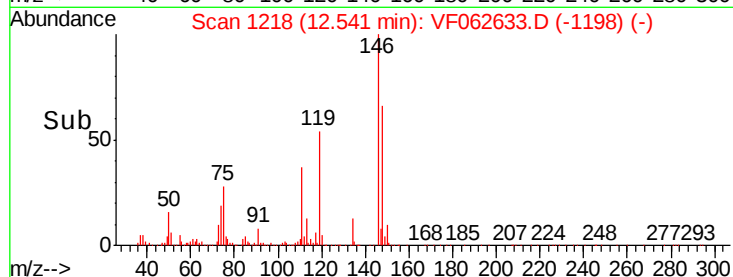
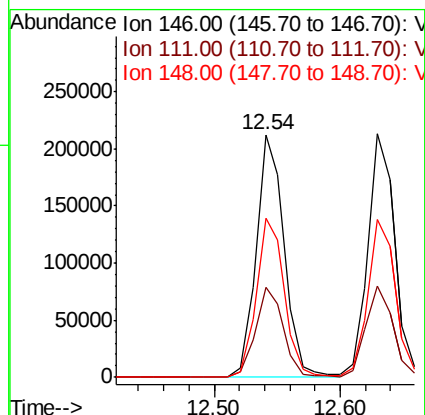
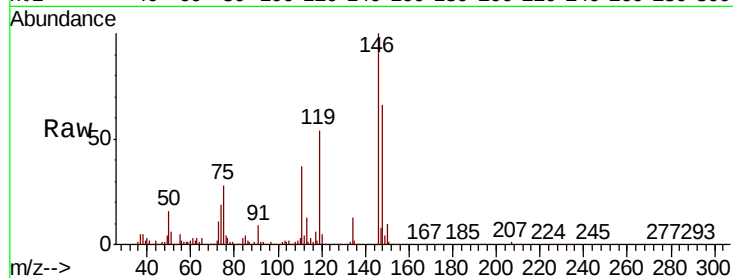




#87
 1,3-Dichlorobenzene
 Concen: 22.671 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF062633.D
 Acq: 17 May 2019 12:17

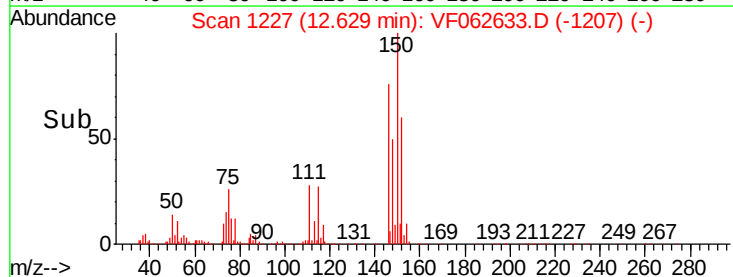
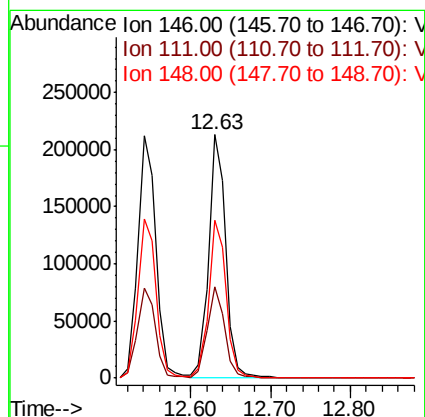
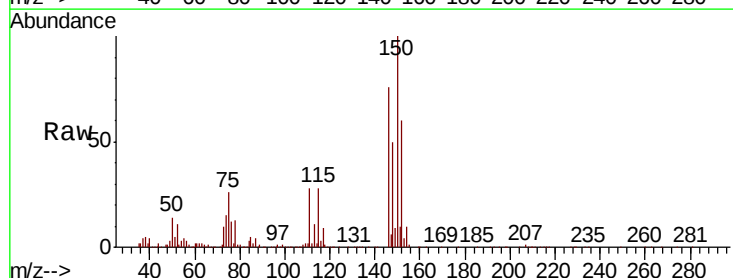
Instrument :
 MSVOA_F
 ClientSampleId :

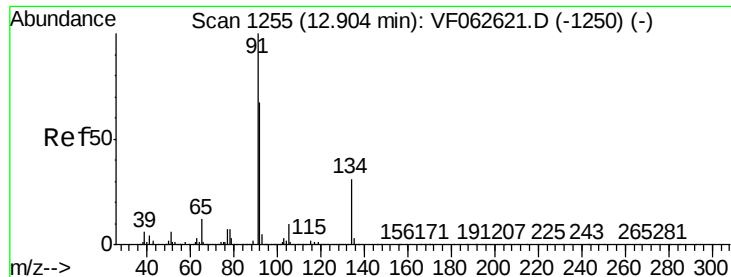
Tot Ion:146 Resp: 329571
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.9 56.9
 148 65.5 34.0 101.8



#88
 1,4-Dichlorobenzene
 Concen: 23.489 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VF062633.D
 Acq: 17 May 2019 12:17

Tgt Ion:146 Resp: 320433
 Ion Ratio Lower Upper
 146 100
 111 37.3 19.4 58.2
 148 65.1 33.2 99.6





#89

n-Butylbenzene

Concen: 23.302 ug/l

RT: 12.91 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

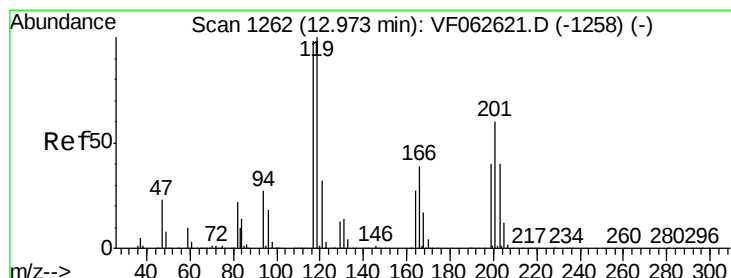
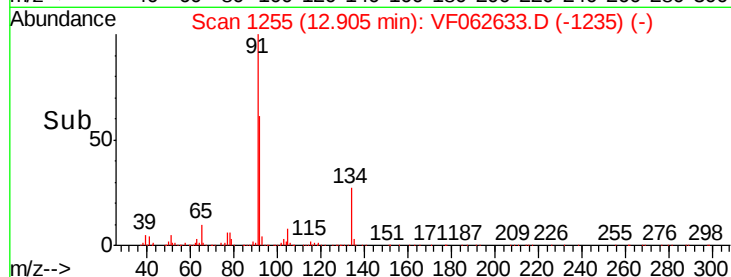
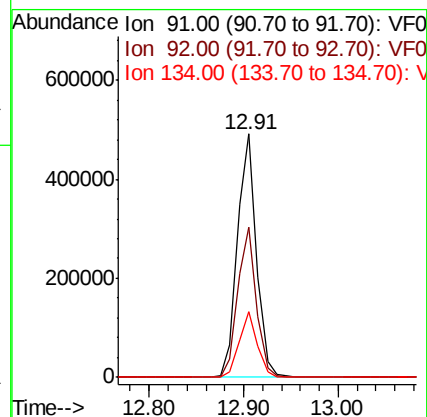
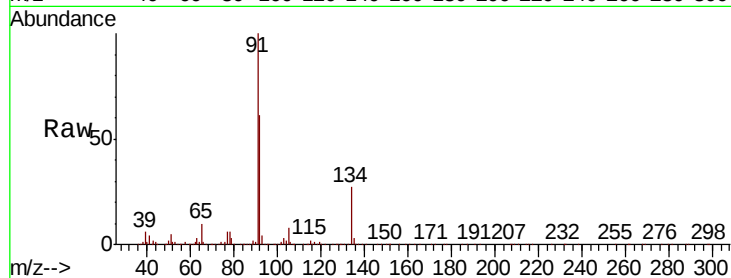
Tot Ion: 91 Resp: 683309

Ion Ratio Lower Upper

91 100

92 61.4 33.3 99.8

134 27.1 15.4 46.4



#90

Hexachloroethane

Concen: 22.672 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VF062633.D

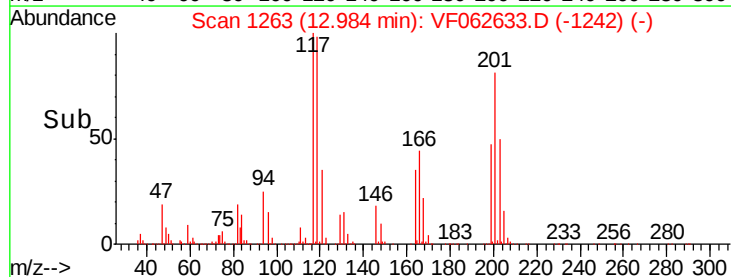
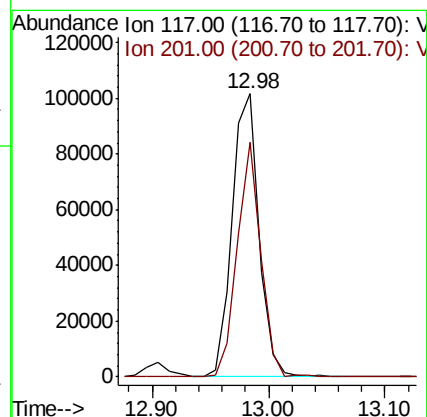
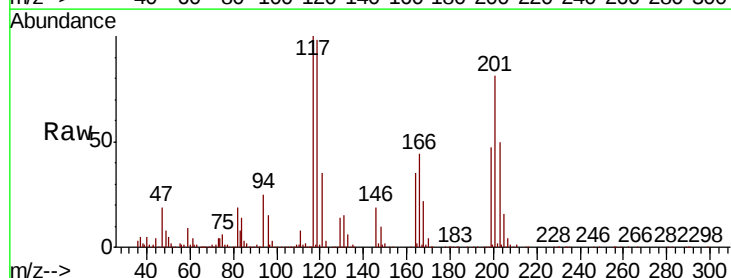
Acq: 17 May 2019 12:17

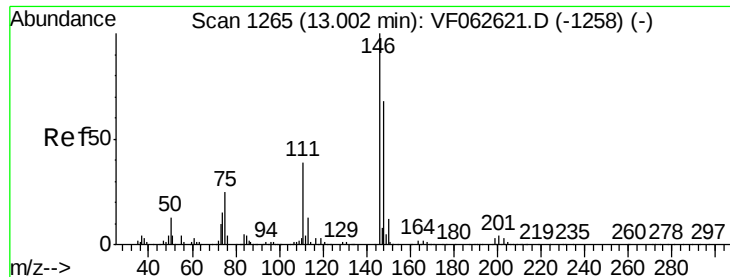
Tgt Ion: 117 Resp: 161758

Ion Ratio Lower Upper

117 100

201 82.9 30.7 92.1

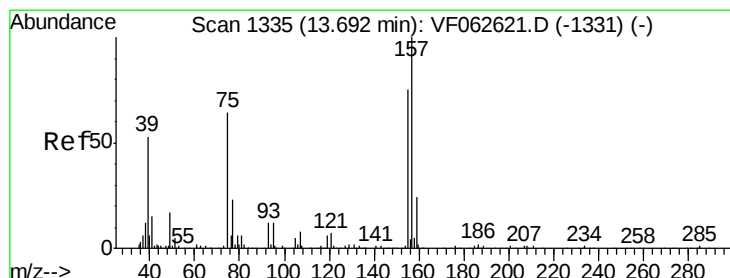
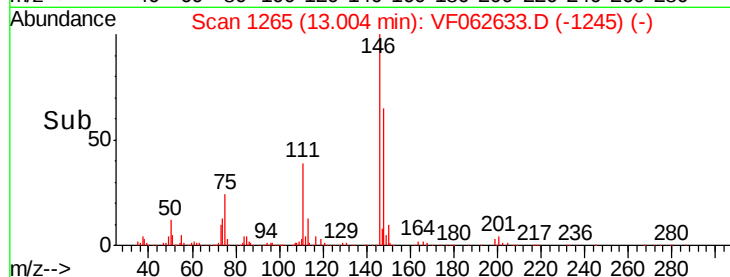
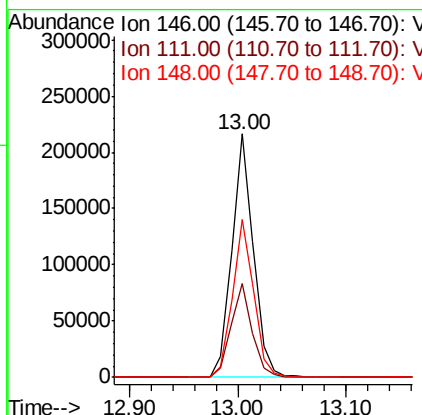
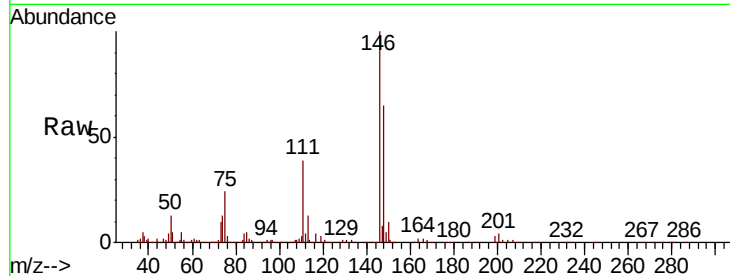




#91
 1,2-Dichlorobenzene
 Concen: 23.219 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VF062633.D
 Acq: 17 May 2019 12:17

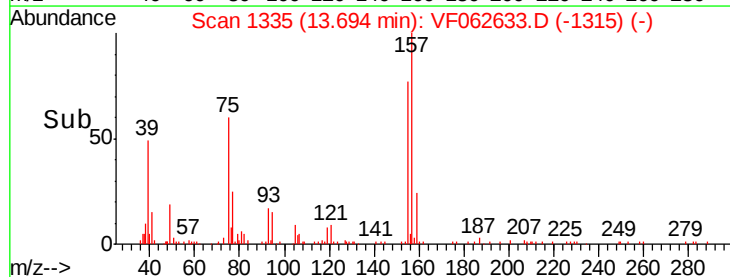
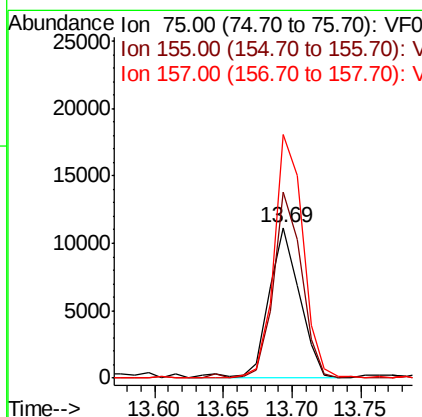
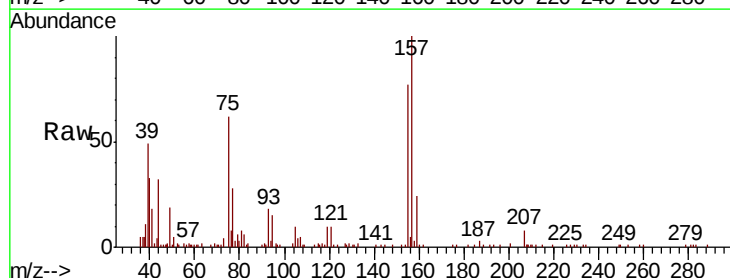
Instrument :
 MSVOA_F
 ClientSampleId :

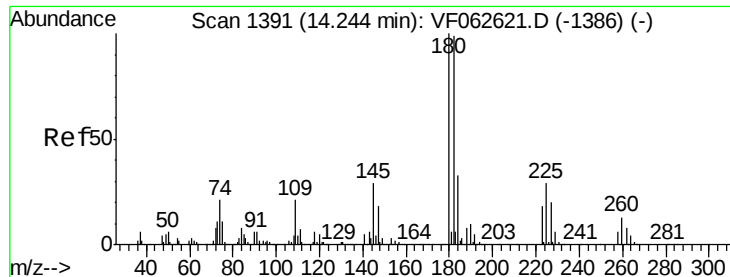
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.8	59.3
148	64.8	34.1	102.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.076 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: VF062633.D
 Acq: 17 May 2019 12:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	123.7	58.1	174.3
157	161.5	77.8	233.4

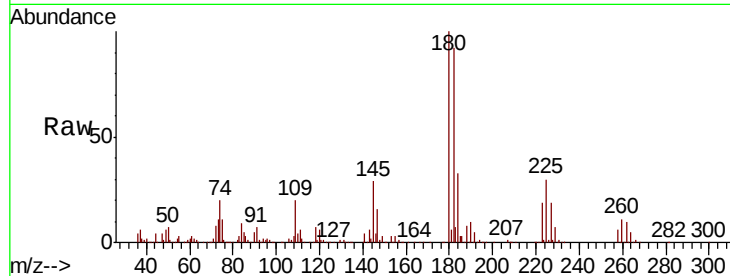




#93
 1,2,4-Trichlorobenzene
 Concen: 22.993 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VF062633.D
 Acq: 17 May 2019 12:17

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.0	49.7	149.1
145	29.5	14.6	44.0

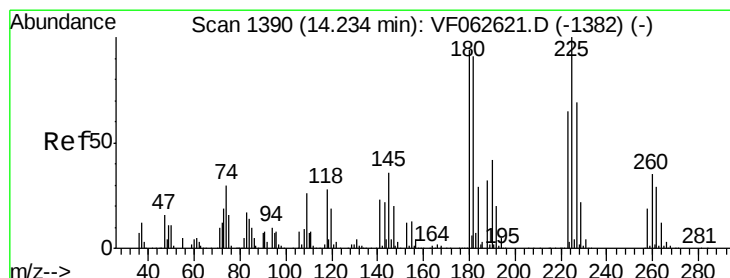
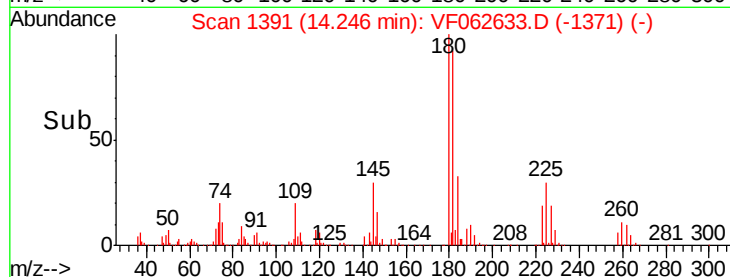
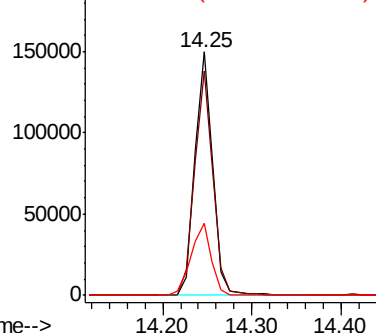


Abundance

Ion 180.00 (179.70 to 180.70): V

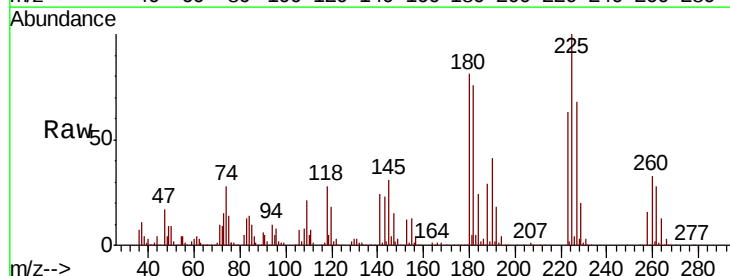
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 22.360 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VF062633.D
 Acq: 17 May 2019 12:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	32.5	97.4
227	68.1	34.5	103.5

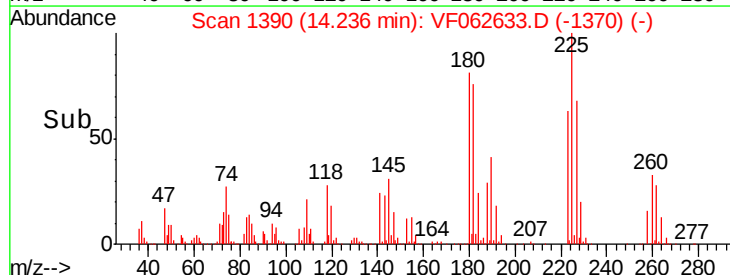
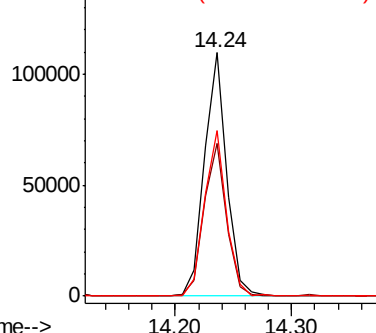


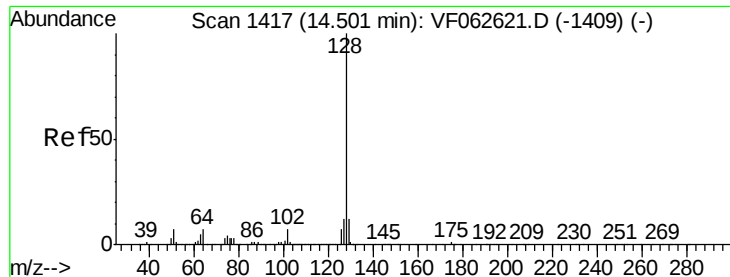
Abundance

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: 21.694 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

Instrument :

MSVOA_F

ClientSampleId :

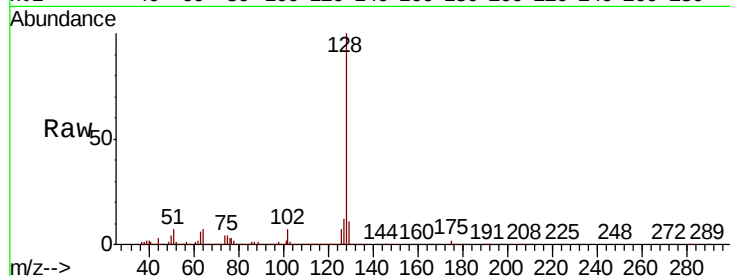
Tot Ion:128 Resp: 365555

Ion Ratio Lower Upper

128 100

127 12.3 9.7 14.5

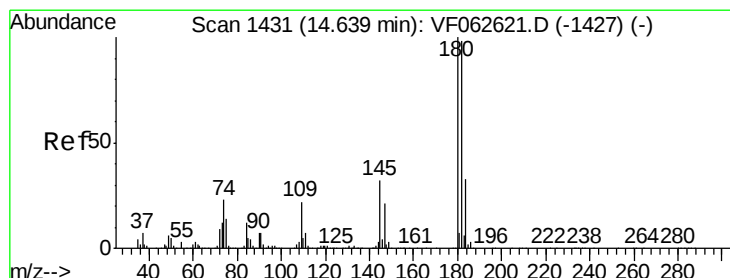
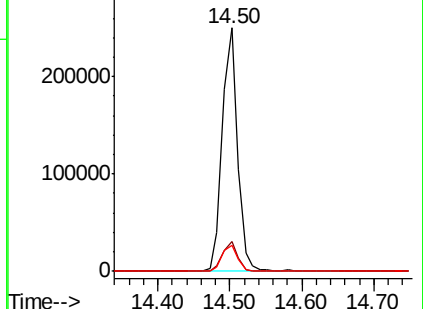
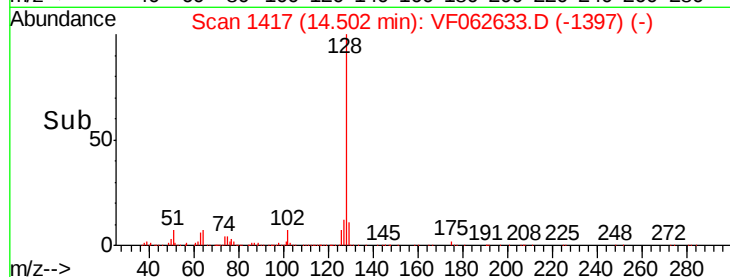
129 10.5 9.3 13.9



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.405 ug/l

RT: 14.64 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VF062633.D

Acq: 17 May 2019 12:17

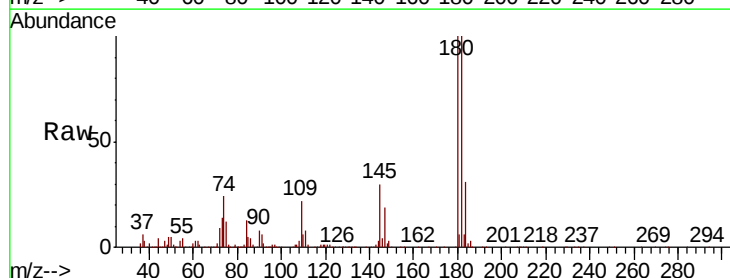
Tgt Ion:180 Resp: 196845

Ion Ratio Lower Upper

180 100

182 100.4 48.9 146.7

145 29.9 16.1 48.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

