

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060519\
 Data File : VF062873.D
 Acq On : 5 Jun 2019 18:54
 Operator : FY/SY
 Sample : VSTDCCC050EC
 Misc : 5.00µl/5mL/MSVOA F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 06 08:03:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	677202	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1173688	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	928953	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	467735	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.06	65	226328	48.33	ug/l	0.00
Spiked Amount			Recovery	=	96.66%	
35) Dibromofluoromethane	4.34	113	449280	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	
50) Toluene-d8	7.73	98	1118715	49.88	ug/l	0.00
Spiked Amount			Recovery	=	99.76%	
62) 4-Bromofluorobenzene	11.50	95	414056	51.32	ug/l	0.00
Spiked Amount			Recovery	=	102.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.02	85	412154	54.146	ug/l	100
3) Chloromethane	1.16	50	347424	49.582	ug/l	99
4) Vinyl Chloride	1.21	62	339687	48.784	ug/l	99
5) Bromomethane	1.42	94	227548	57.301	ug/l	92
6) Chloroethane	1.47	64	157553	60.517	ug/l	98
7) Trichlorofluoromethane	1.58	101	429898	43.611	ug/l	95
8) Diethyl Ether	1.73	74	106708	55.021	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.93	101	375033	60.514	ug/l	95
10) Methyl Iodide	2.01	142	600488	48.324	ug/l	98
11) Tert butyl alcohol	2.71	59	71656	252.590	ug/l	96
12) 1,1-Dichloroethene	1.89	96	320059	56.873	ug/l	94
13) Acrolein	2.11	56	27473	242.159	ug/l	94
14) Allyl chloride	2.21	41	223585	51.212	ug/l	94
15) Acrylonitrile	3.11	53	353183	331.325	ug/l	96
16) Acetone	2.37	43	264383	246.670	ug/l #	86
17) Carbon Disulfide	1.93	76	644509	39.185	ug/l	99
18) Methyl Acetate	2.47	43	87240	46.578	ug/l	91
19) Methyl tert-butyl Ether	2.56	73	563447	55.263	ug/l	99
20) Methylene Chloride	2.30	84	88567	14.374	ug/l	96
21) trans-1,2-Dichloroethene	2.44	96	328606	58.238	ug/l	97
22) Diisopropyl ether	2.96	45	619513	49.946	ug/l	93
23) Vinyl Acetate	3.37	43	2302521	271.149	ug/l	100
24) 1,1-Dichloroethane	3.04	63	566954	61.218	ug/l	99
25) 2-Butanone	4.54	43	638230	255.701	ug/l	98
26) 2,2-Dichloropropane	3.80	77	301851	57.402	ug/l	100
27) cis-1,2-Dichloroethene	3.67	96	502418	52.971	ug/l	94
28) Bromochloromethane	3.92	49	296535	58.864	ug/l	97
29) Tetrahydrofuran	4.29	42	255970	268.129	ug/l	99
30) Chloroform	4.08	83	713689	54.679	ug/l	98
31) Cyclohexane	3.90	56	433040	34.537	ug/l	94
32) 1,1,1-Trichloroethane	4.31	97	472138	62.128	ug/l	99
36) 1,1-Dichloropropene	4.50	75	570897	52.837	ug/l	97
37) Ethyl Acetate	4.32	43	210086	50.864	ug/l #	72
38) Carbon Tetrachloride	4.21	117	423268	57.963	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	717233	53.335	ug/l	96
40) Benzene	4.85	78	1656195	52.668	ug/l	97
41) Methacrylonitrile	4.96	41	113220	49.309	ug/l	93
42) 1,2-Dichloroethane	5.16	62	327604	54.776	ug/l	97
43) Isopropyl Acetate	7.14	43	253158	46.398	ug/l #	98
44) Trichloroethene	5.71	130	479853	54.069	ug/l	95
45) 1,2-Dichloropropane	6.43	63	428096	54.249	ug/l	99
46) Dibromomethane	6.28	93	242812	52.702	ug/l	96
47) Bromodichloromethane	6.58	83	507504	54.088	ug/l	96
48) Methyl methacrylate	6.90	41	128017	45.526	ug/l	96
49) 1,4-Dioxane	6.89	88	35416	955.526	ug/l	90
51) 4-Methyl-2-Pentanone	8.42	43	1015360	260.656	ug/l	98
52) Toluene	7.80	92	898053	53.022	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	420289	54.055	ug/l	97
54) cis-1,3-Dichloropropene	7.48	75	605966	53.841	ug/l	98
55) 1,1,2-Trichloroethane	8.66	97	278166	54.974	ug/l	96
56) Ethyl methacrylate	8.77	69	265169	48.841	ug/l	91
57) 1,3-Dichloropropane	9.02	76	467300	56.553	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.47	63	513351	270.548	ug/l	94
59) 2-Hexanone	9.64	43	720083	259.348	ug/l	99
60) Dibromochloromethane	8.88	129	360104	57.483	ug/l	97
61) 1,2-Dibromoethane	9.15	107	288541	54.907	ug/l	97
64) Tetrachloroethene	8.33	164	363025	50.855	ug/l	98
65) Chlorobenzene	9.96	112	956433	53.314	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.08	131	376568	52.707	ug/l	97
67) Ethyl Benzene	10.05	91	1601483	52.022	ug/l	100
68) m/p-Xylenes	10.28	106	1216535	103.269	ug/l	95
69) o-Xylene	10.83	106	653007	54.750	ug/l	100
70) Styrene	10.90	104	996057	56.659	ug/l	98
71) Bromoform	10.89	173	199523	58.215	ug/l	100
73) Isopropylbenzene	11.23	105	1693051	51.876	ug/l	99
74) N-amyl acetate	11.45	43	433423	47.119	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.78	83	364152	52.248	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	235560	50.988	ug/l	92
77) Bromobenzene	11.59	156	408850	49.858	ug/l	86
78) n-propylbenzene	11.68	91	2042790	51.839	ug/l	94
79) 2-Chlorotoluene	11.81	91	1139601	50.541	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	1352145	50.661	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	131575	67.271	ug/l	94
82) 4-Chlorotoluene	11.99	91	1133976	51.174	ug/l	98
83) tert-Butylbenzene	12.20	119	1411162	53.359	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	1319658	52.149	ug/l	100
85) sec-Butylbenzene	12.37	105	1122739	32.218	ug/l	94
86) p-Isopropyltoluene	12.53	119	1515385	52.244	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	751248	51.946	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	709669	52.581	ug/l	96
89) n-Butylbenzene	12.90	91	1468308	50.322	ug/l	94
90) Hexachloroethane	12.98	117	378642	53.522	ug/l	91
91) 1,2-Dichlorobenzene	13.01	146	639711	50.326	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	38441	50.626	ug/l	95

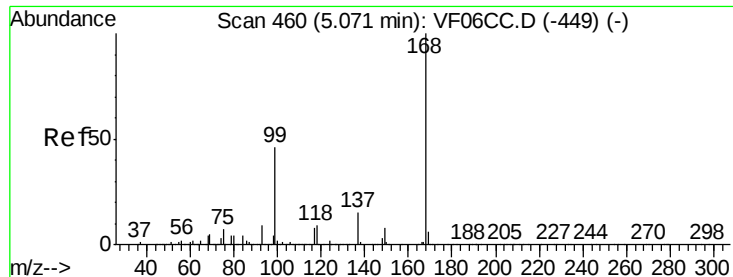
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	426719	48.892	ug/l	95
94) Hexachlorobutadiene	14.23	225	297791	49.320	ug/l	98
95) Naphthalene	14.50	128	713508	49.900	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	391811	49.180	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. 0.00 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Instrument :

MSVOA_F

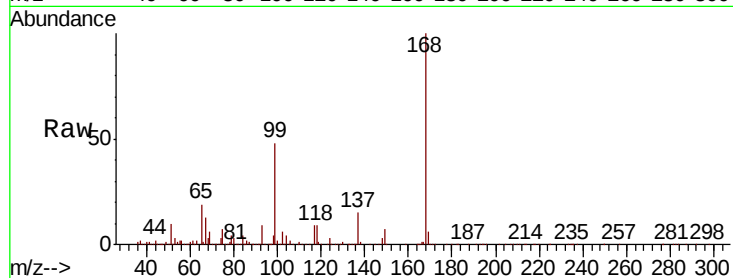
ClientSampleId :

Tot Ion:168 Resp: 677202

Ion Ratio Lower Upper

168 100

99 48.1 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.08

250000

200000

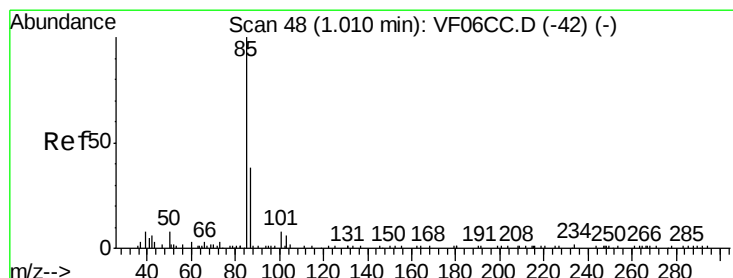
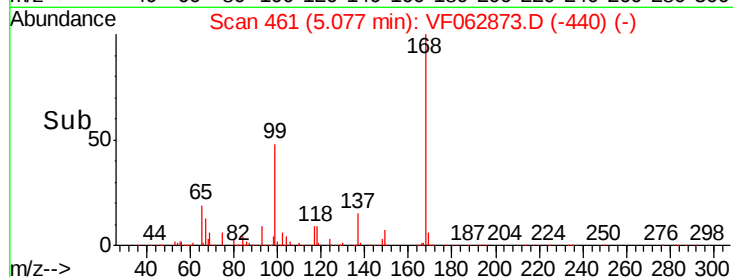
150000

100000

50000

0

Time--> 4.90 5.00 5.10 5.20 5.30



#2

Dichlorodifluoromethane

Concen: 54.146 ug/l

RT: 1.02 min Scan# 49

Delta R.T. 0.00 min

Lab File: VF062873.D

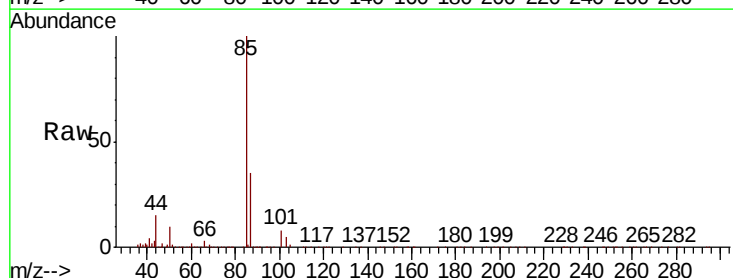
Acq: 5 Jun 2019 18:54

Tgt Ion: 85 Resp: 412154

Ion Ratio Lower Upper

85 100

87 35.2 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.02

100000

80000

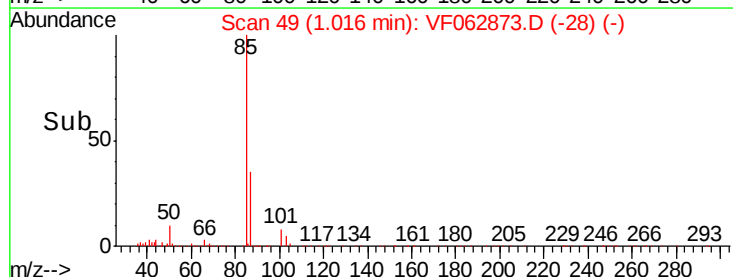
60000

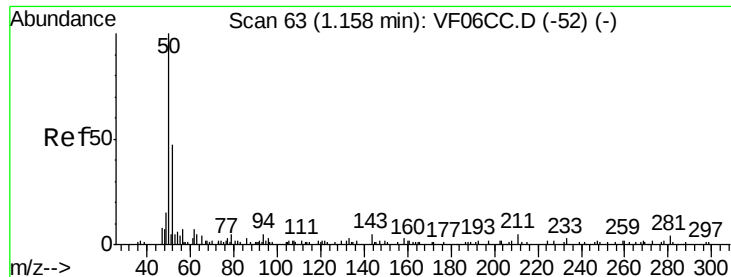
40000

20000

0

Time--> 0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 49.582 ug/l

RT: 1.16 min Scan# 64

Delta R.T. 0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

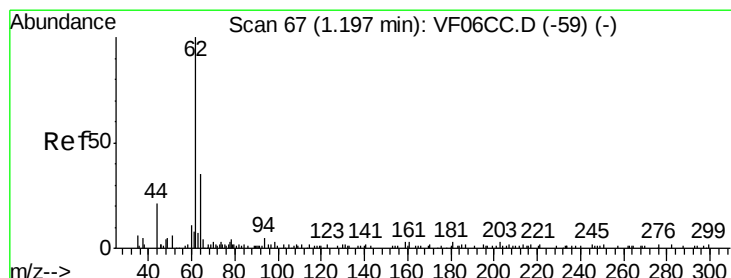
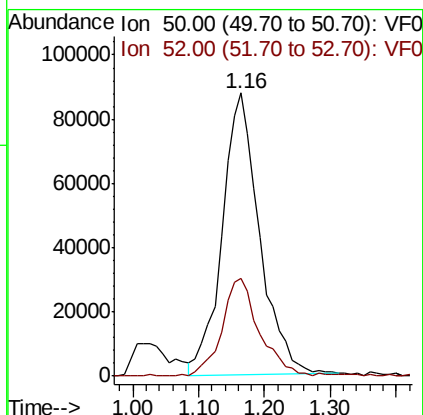
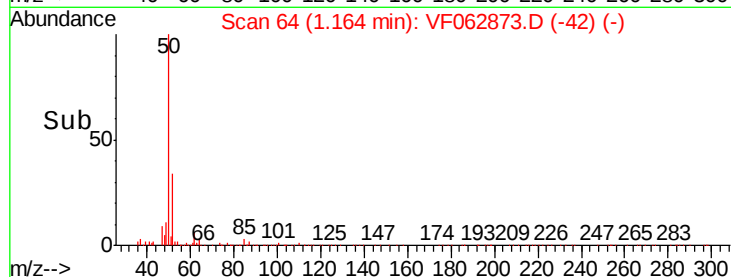
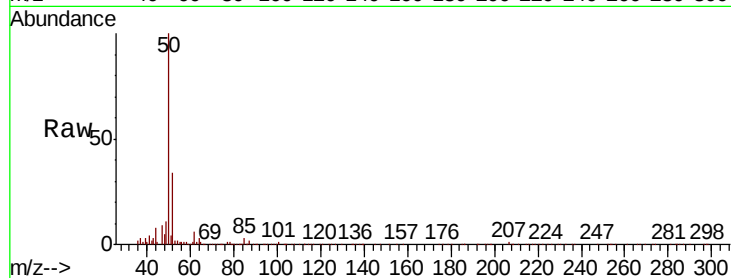
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 347424

Ion Ratio Lower Upper

50 100

52 34.3 27.0 40.4



#4

Vinyl Chloride

Concen: 48.784 ug/l

RT: 1.21 min Scan# 69

Delta R.T. 0.01 min

Lab File: VF062873.D

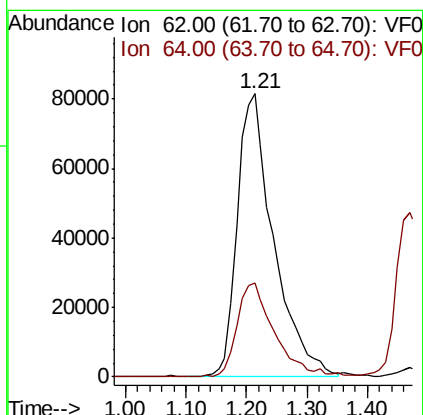
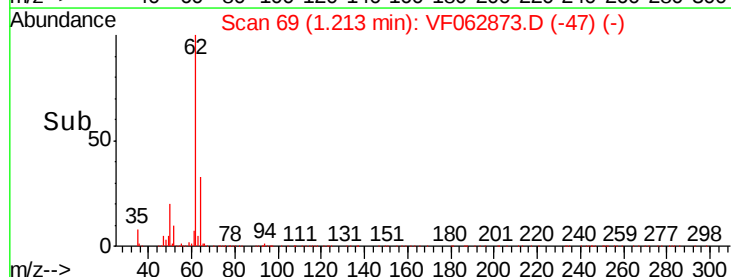
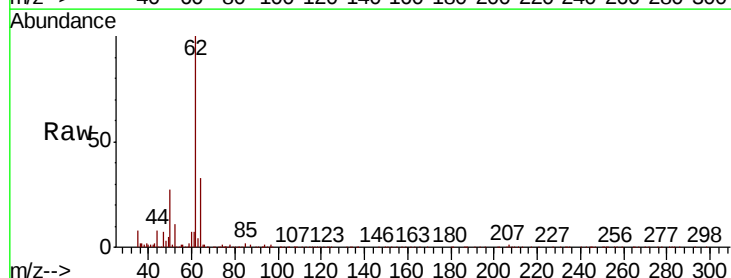
Acq: 5 Jun 2019 18:54

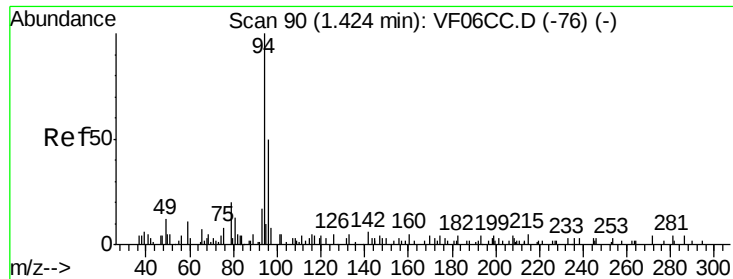
Tgt Ion: 62 Resp: 339687

Ion Ratio Lower Upper

62 100

64 33.2 26.2 39.2





#5

Bromomethane

Concen: 57.301 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

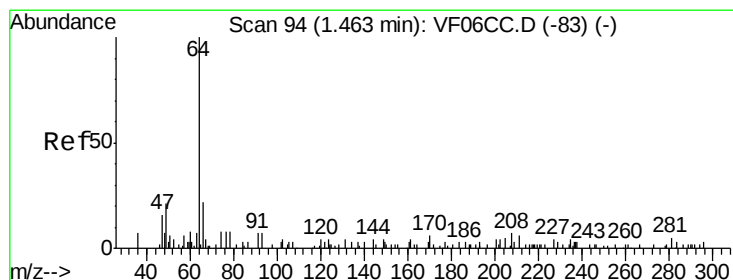
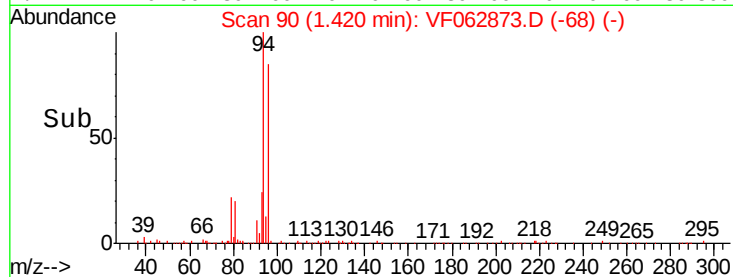
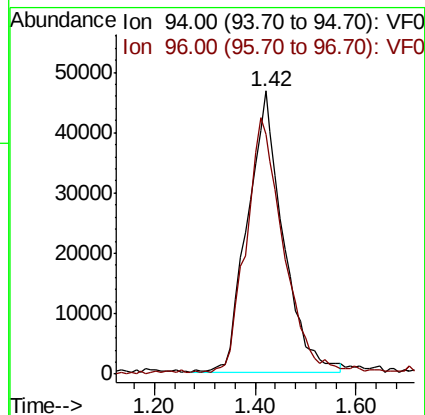
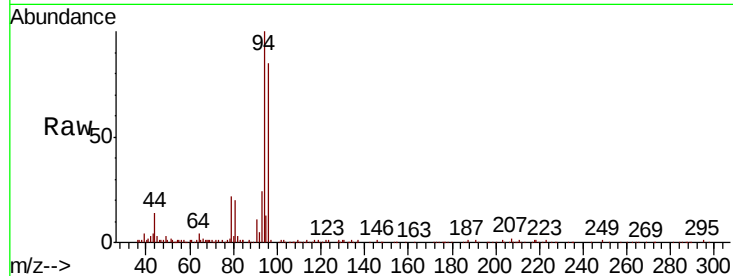
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 94 Resp: 227548

Ion Ratio Lower Upper

94 100

96 84.6 73.8 110.6



#6

Chloroethane

Concen: 60.517 ug/l

RT: 1.47 min Scan# 95

Delta R.T. 0.00 min

Lab File: VF062873.D

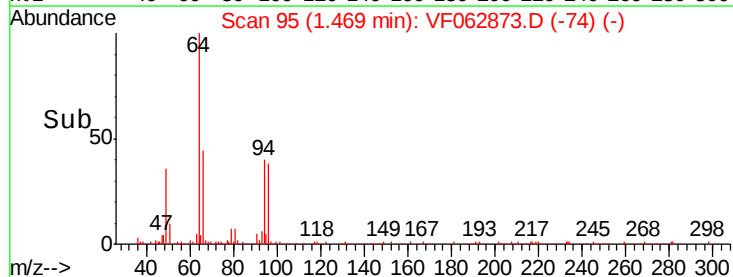
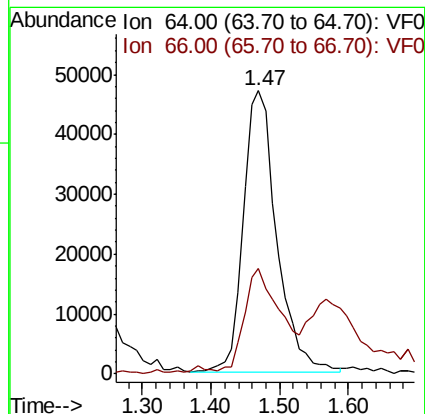
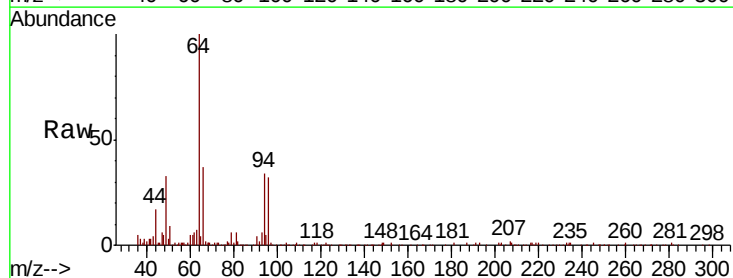
Acq: 5 Jun 2019 18:54

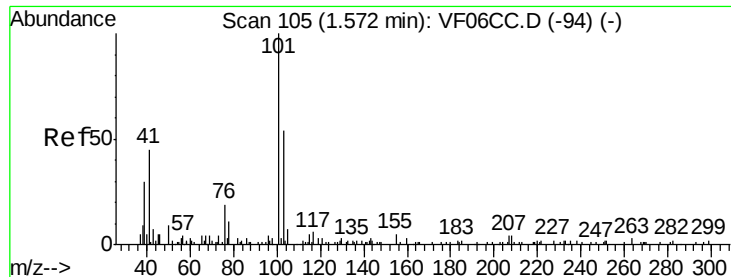
Tgt Ion: 64 Resp: 157553

Ion Ratio Lower Upper

64 100

66 37.4 31.0 46.4



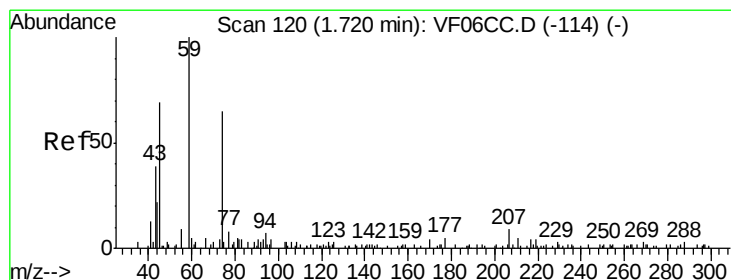
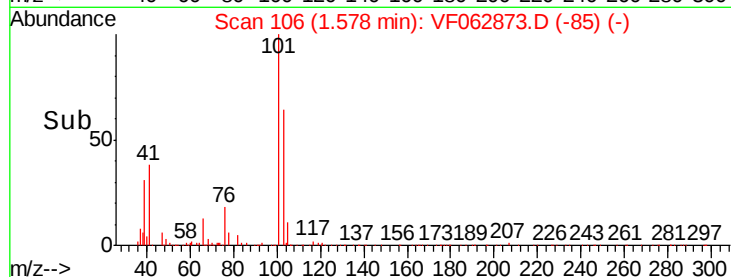
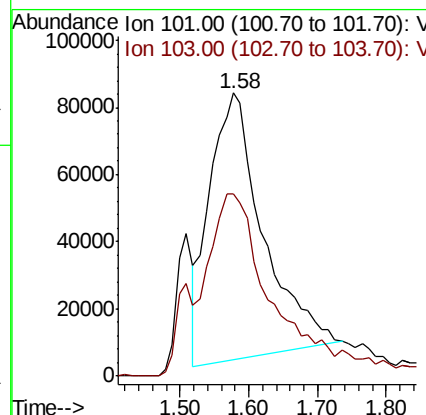
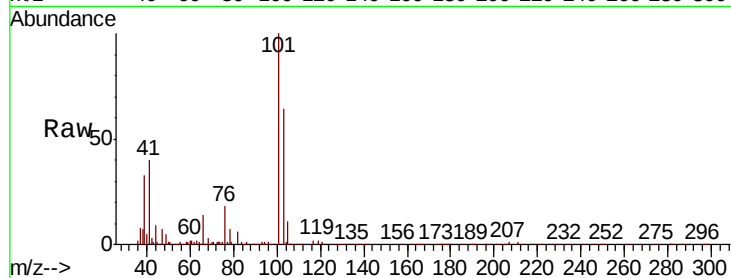


#7

Trichlorofluoromethane
Concen: 43.611 ug/l
RT: 1.58 min Scan# 106
Delta R.T. 0.00 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Instrument :
MSVOA_F
ClientSampleId :

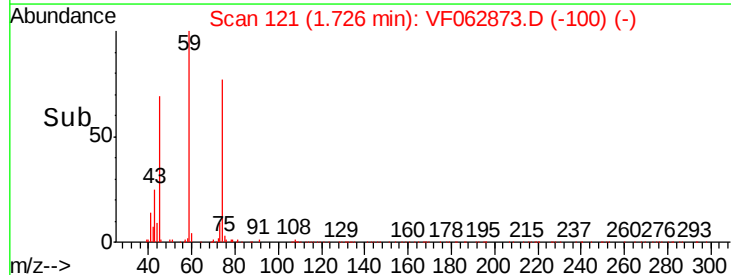
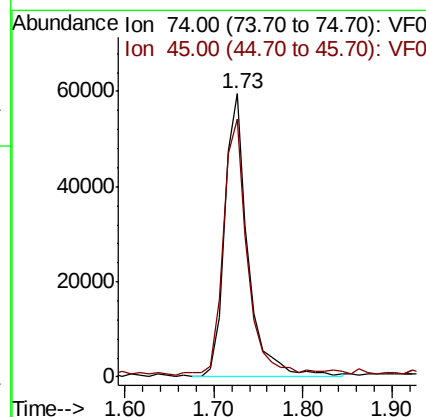
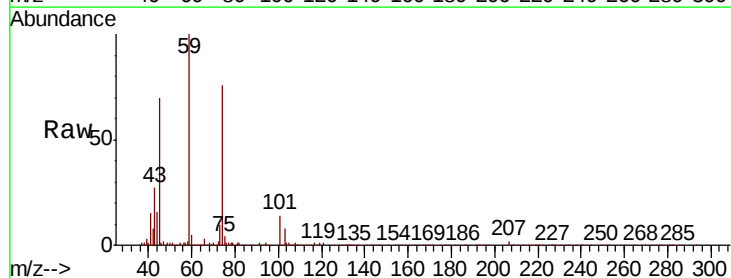
Tot Ion:101 Resp: 429898
Ion Ratio Lower Upper
101 100
103 64.3 54.6 82.0

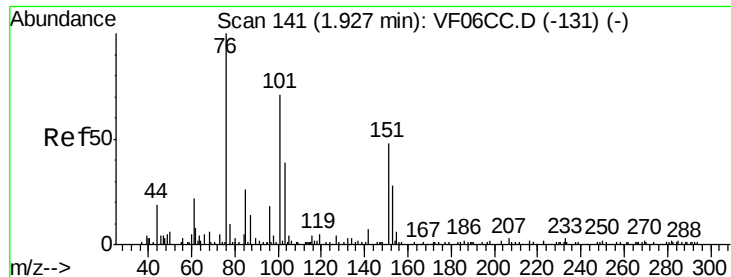


#8

Diethyl Ether
Concen: 55.021 ug/l
RT: 1.73 min Scan# 121
Delta R.T. 0.00 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Tgt Ion: 74 Resp: 106708
Ion Ratio Lower Upper
74 100
45 91.0 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 60.514 ug/l

RT: 1.93 min Scan# 142

Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Instrument :

MSVOA_F

ClientSampleId :

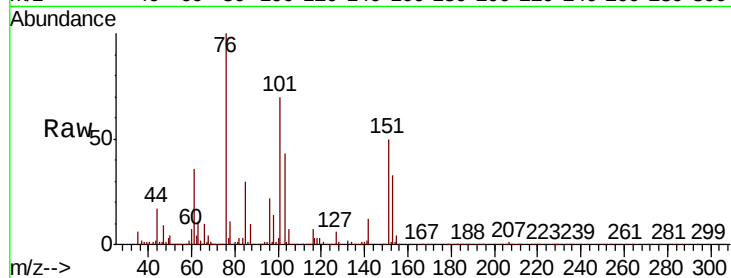
Tot Ion:101 Resp: 375033

Ion Ratio Lower Upper

101 100

85 43.1 37.1 55.7

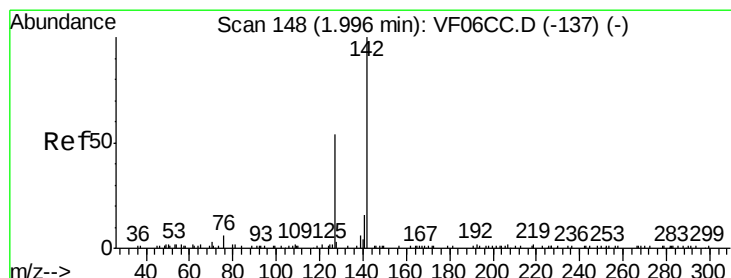
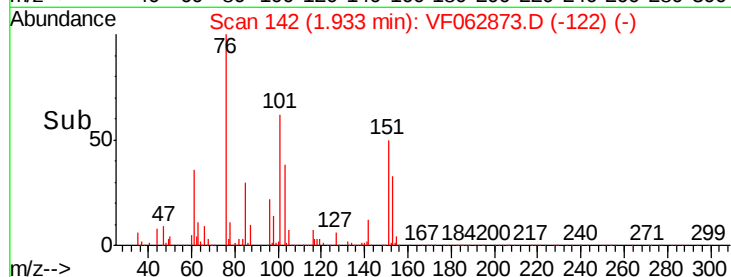
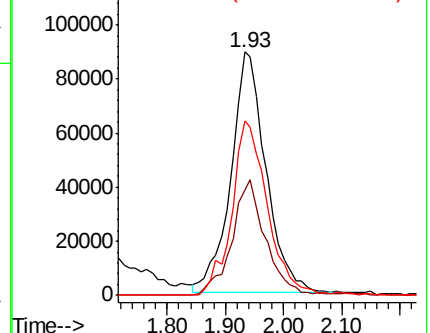
151 71.5 60.3 90.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 48.324 ug/l

RT: 2.01 min Scan# 150

Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

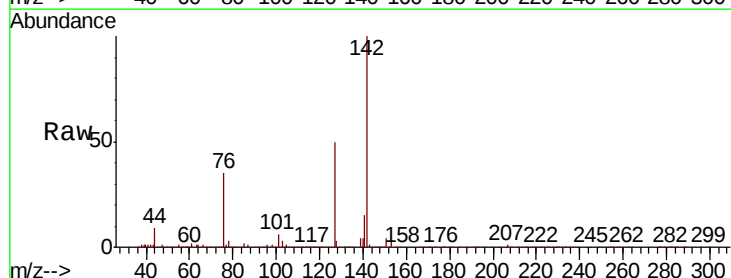
Tgt Ion:142 Resp: 600488

Ion Ratio Lower Upper

142 100

127 50.1 39.4 59.2

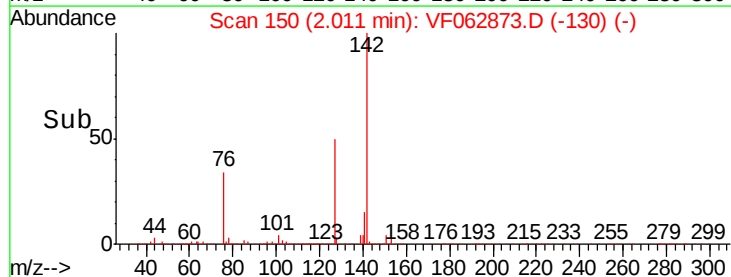
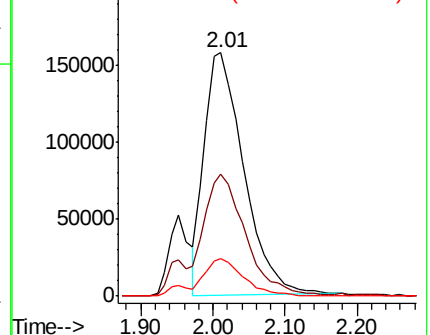
141 15.2 10.6 15.8

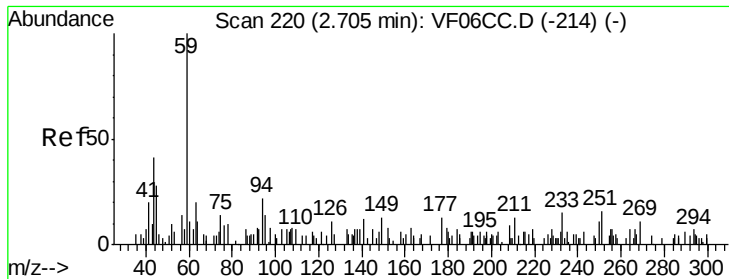


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

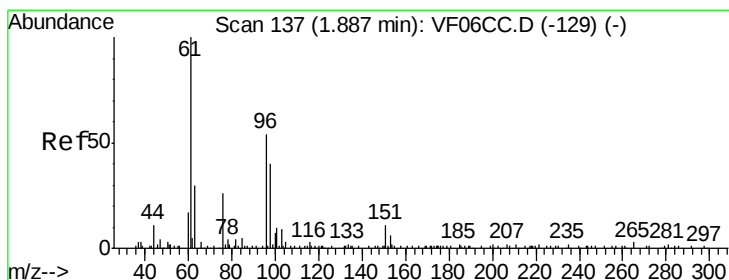
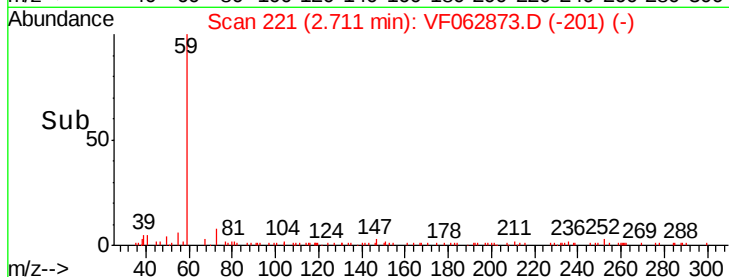
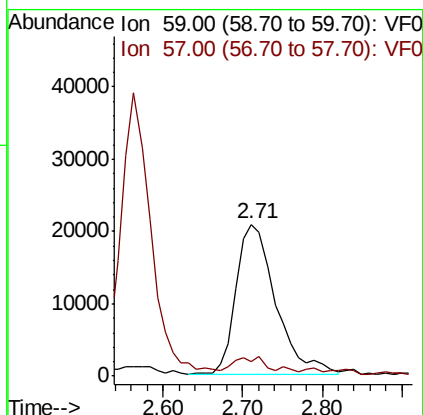
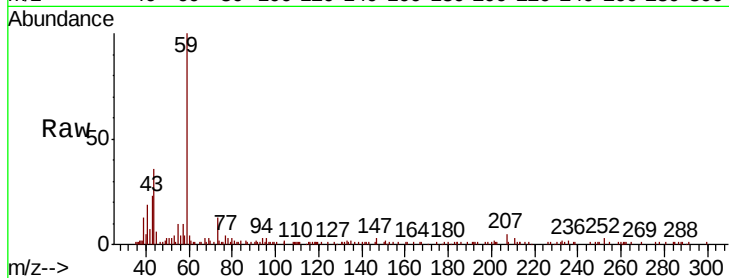




#11
Tert butyl alcohol
Concen: 252.590 ug/l
RT: 2.71 min Scan# 221
Delta R.T. -0.01 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

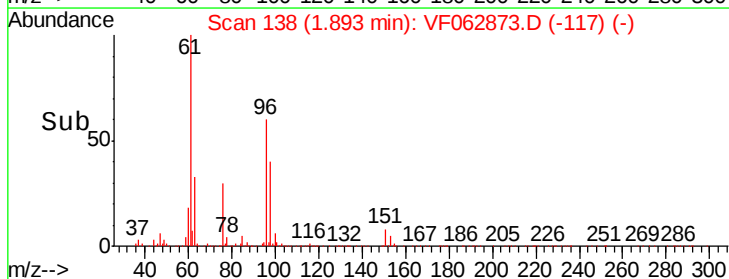
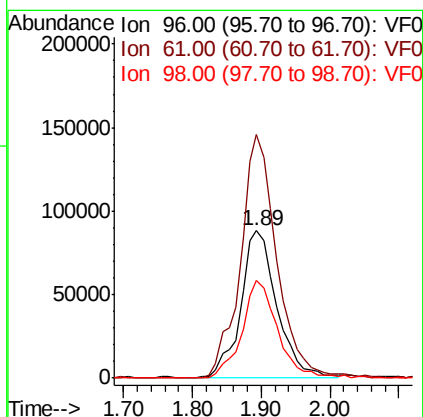
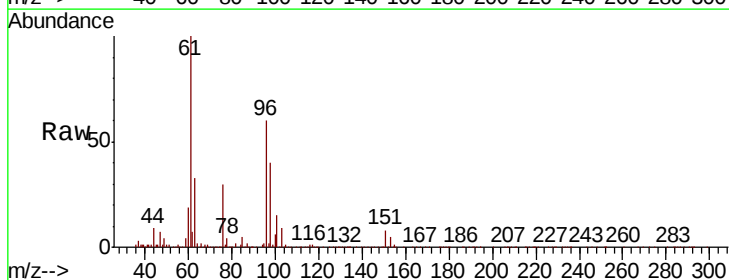
Instrument :
MSVOA_F
ClientSampled :

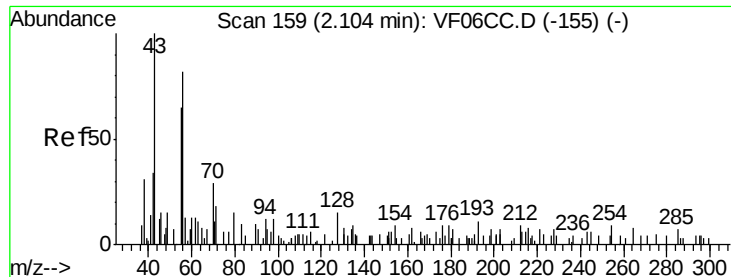
Tot Ion: 59 Resp: 71656
Ion Ratio Lower Upper
59 100
57 10.0 9.2 13.8



#12
1,1-Dichloroethene
Concen: 56.873 ug/l
RT: 1.89 min Scan# 138
Delta R.T. 0.00 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Tgt Ion: 96 Resp: 320059
Ion Ratio Lower Upper
96 100
61 165.4 139.4 209.2
98 66.3 50.3 75.5





#13

Acrolein

Concen: 242.159 ug/l

RT: 2.11 min Scan# 160

Delta R.T. -0.00 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Instrument :

MSVOA_F

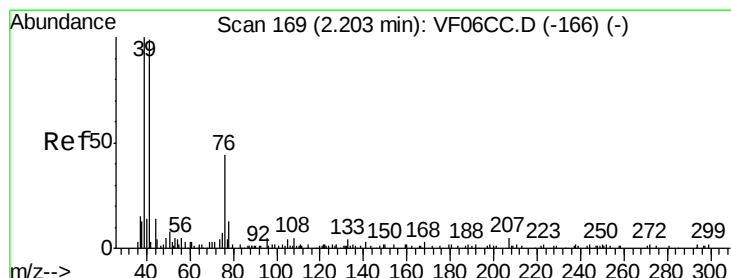
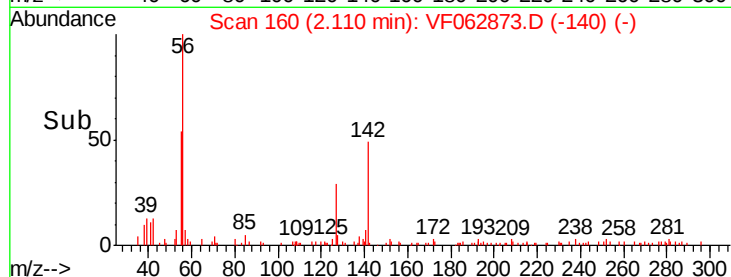
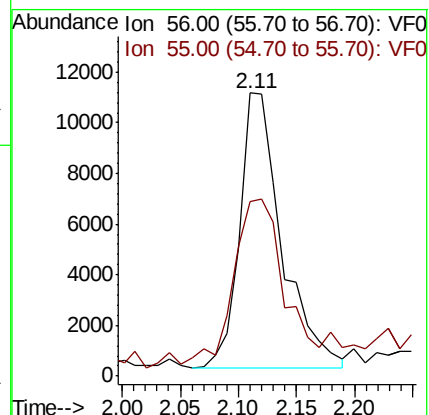
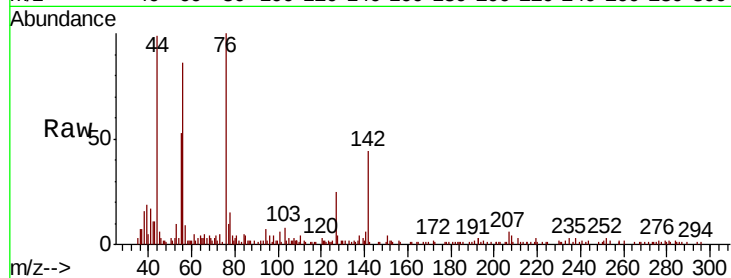
ClientSampleId :

Tot Ion: 56 Resp: 27473

Ion Ratio Lower Upper

56 100

55 61.5 52.9 79.3



#14

Allyl chloride

Concen: 51.212 ug/l

RT: 2.21 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

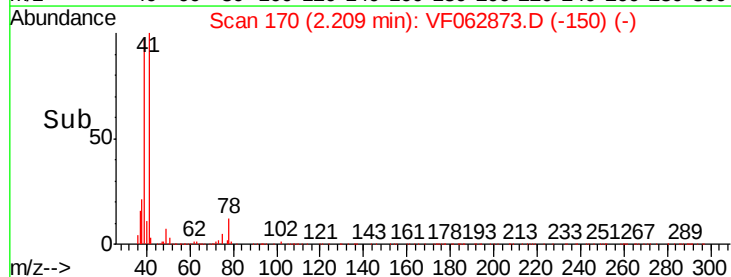
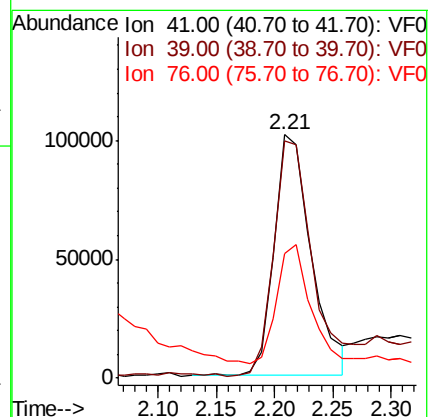
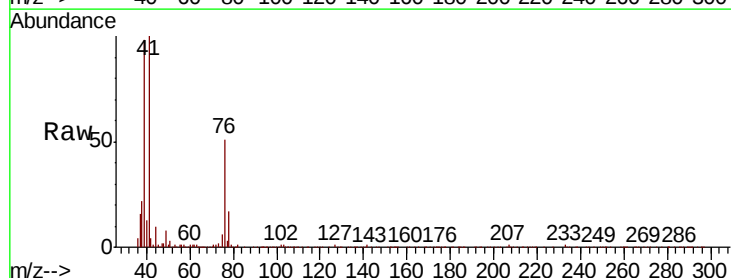
Tgt Ion: 41 Resp: 223585

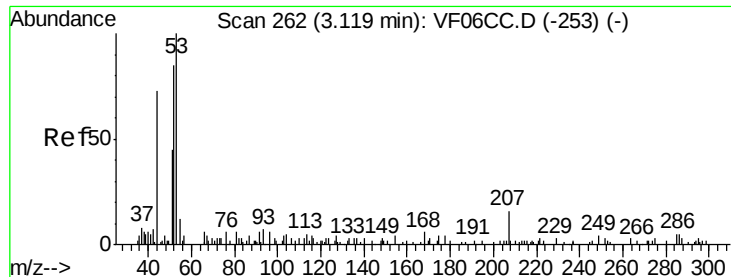
Ion Ratio Lower Upper

41 100

39 97.7 71.9 107.9

76 51.2 39.6 59.4





#15

Acrylonitrile

Concen: 331.325 ug/l

RT: 3.11 min Scan# 261

Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Instrument :
MSVOA_F
ClientSampleId :

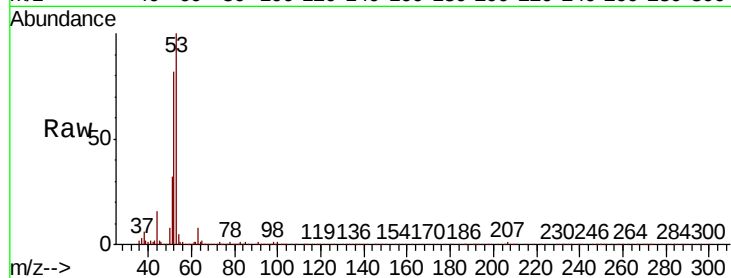
Tot Ion: 53 Resp: 353183

Ion Ratio Lower Upper

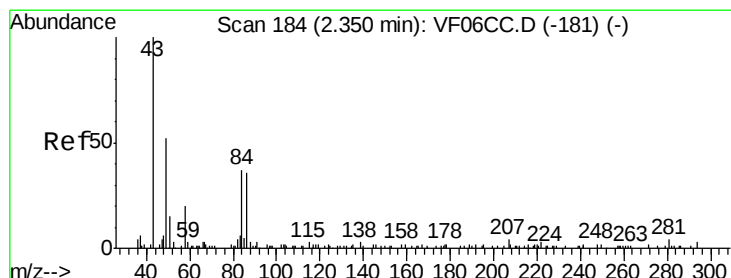
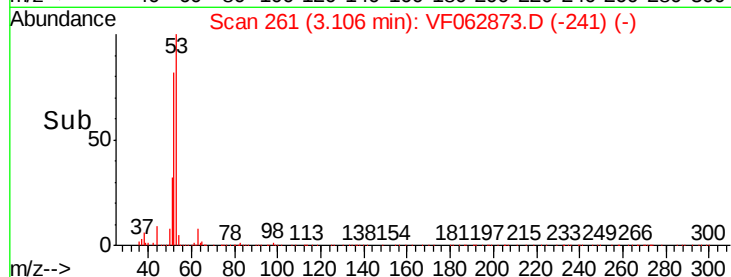
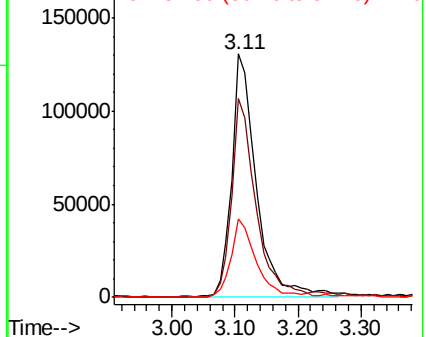
53 100

52 81.8 68.1 102.1

51 32.4 27.7 41.5



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



#16

Acetone

Concen: 246.670 ug/l

RT: 2.37 min Scan# 186

Delta R.T. 0.00 min

Lab File: VF062873.D

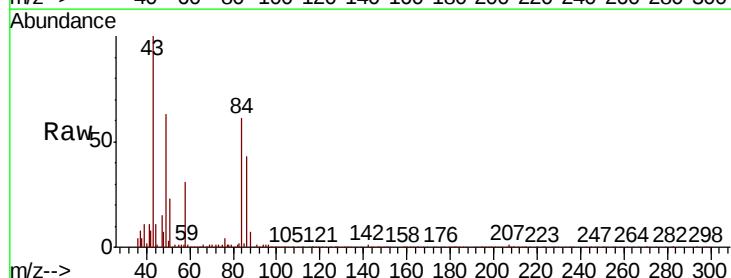
Acq: 5 Jun 2019 18:54

Tgt Ion: 43 Resp: 264383

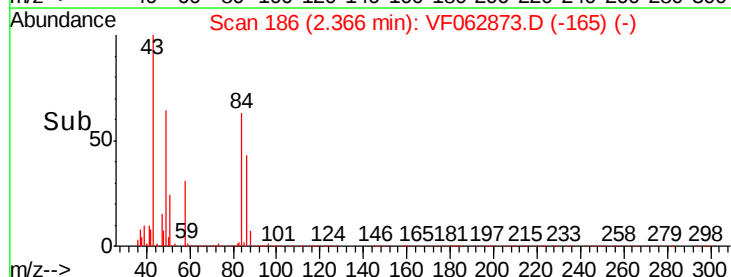
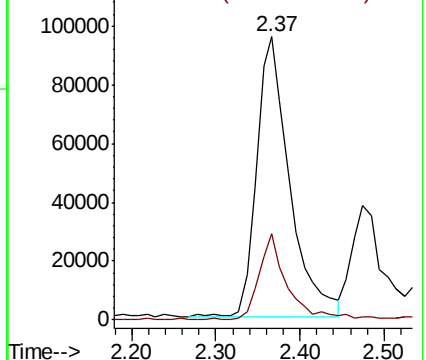
Ion Ratio Lower Upper

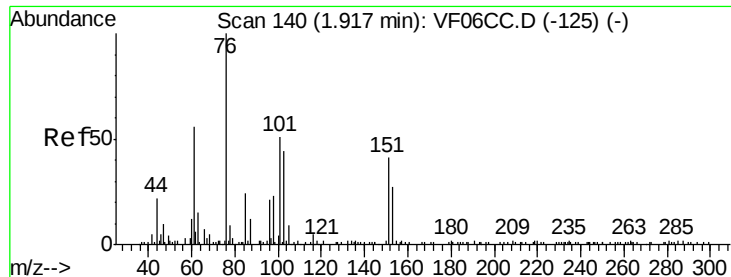
43 100

58 30.6 19.0 28.4#



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

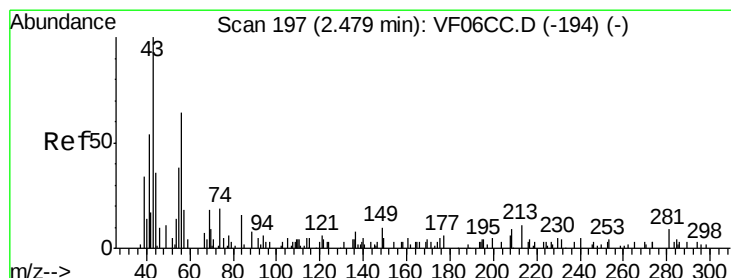
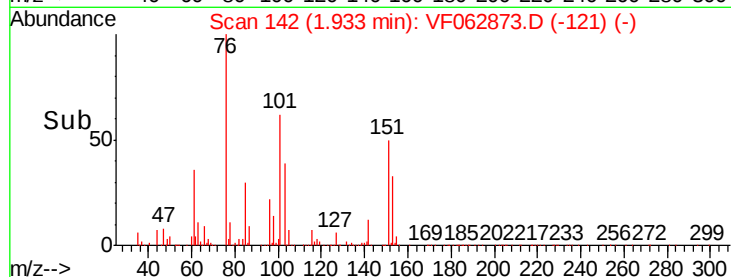
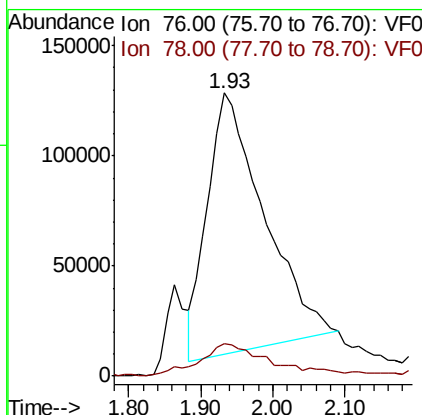
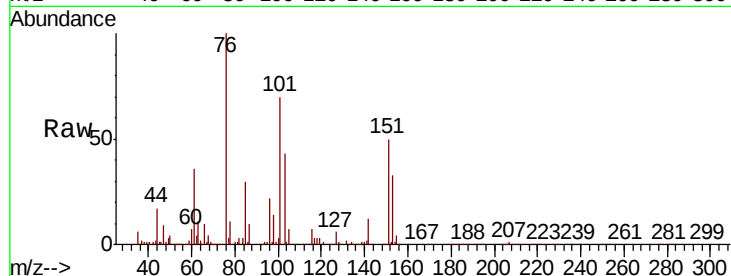




#17
Carbon Disulfide
Concen: 39.185 ug/l
RT: 1.93 min Scan# 142
Delta R.T. 0.00 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

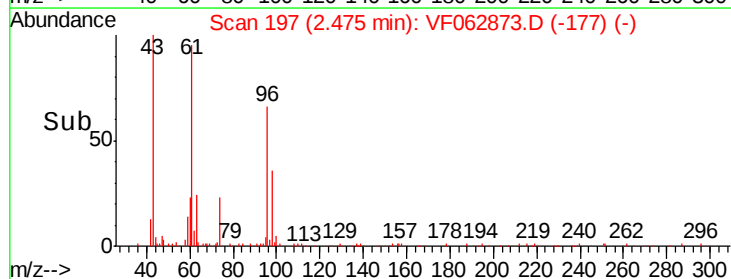
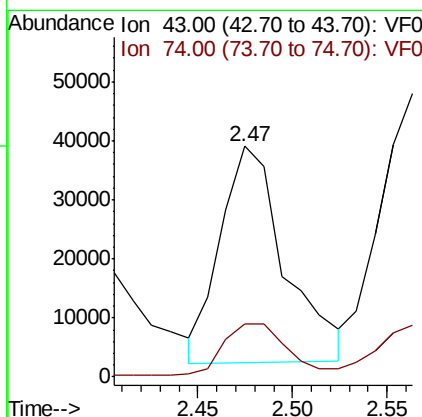
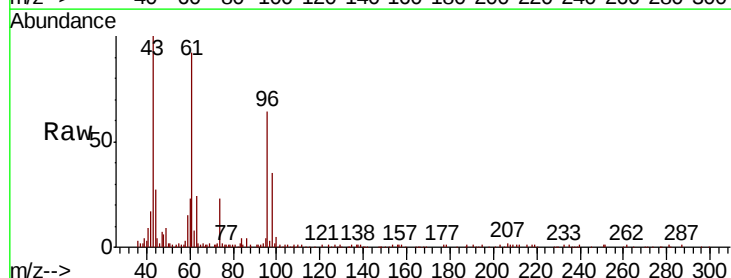
Instrument :
MSVOA_F
ClientSampled :

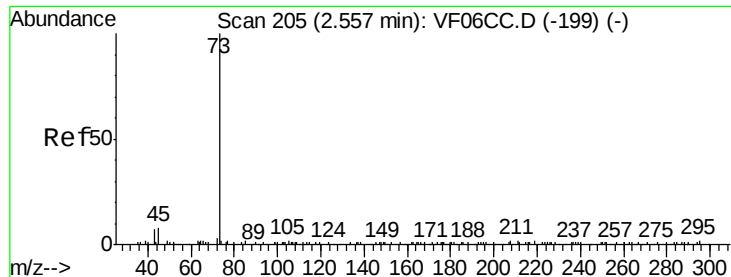
Tot Ion: 76 Resp: 644509
Ion Ratio Lower Upper
76 100
78 11.3 9.4 14.2



#18
Methyl Acetate
Concen: 46.578 ug/l
RT: 2.47 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Tgt Ion: 43 Resp: 87240
Ion Ratio Lower Upper
43 100
74 23.1 22.1 33.1

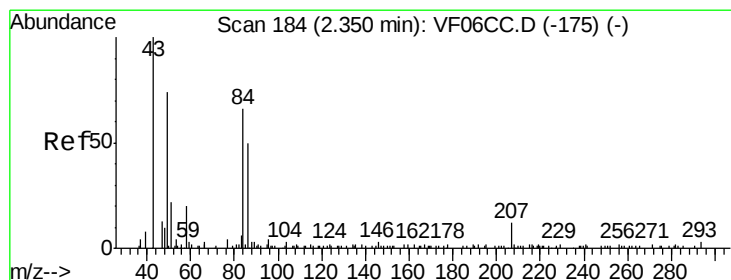
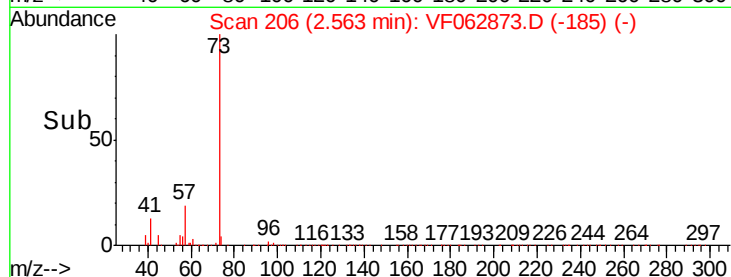
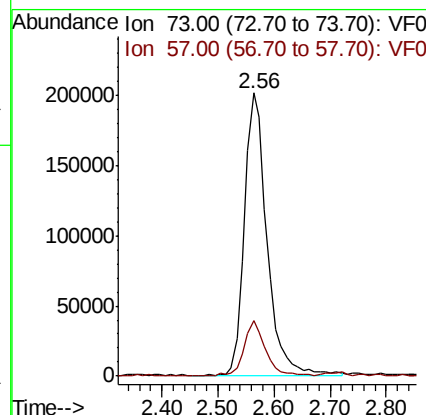
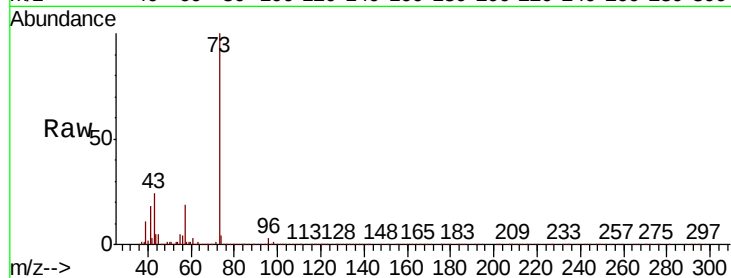




#19
Methvl tert-butvl Ether
Concen: 55.263 ug/l
RT: 2.56 min Scan# 206
Delta R.T. 0.00 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

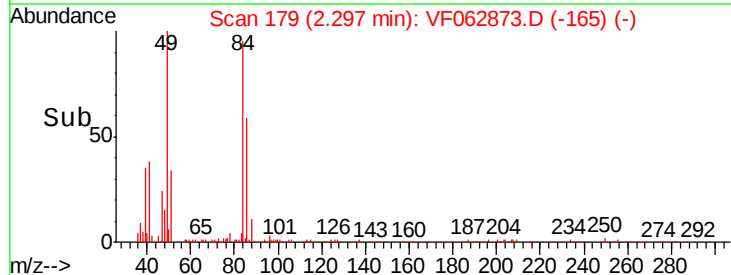
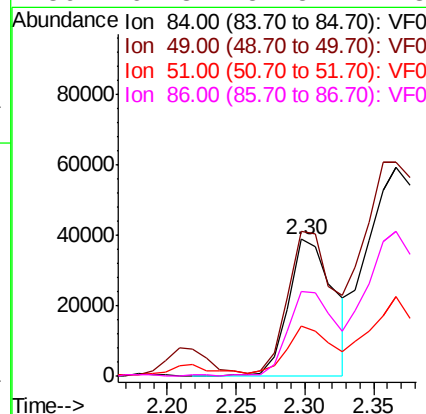
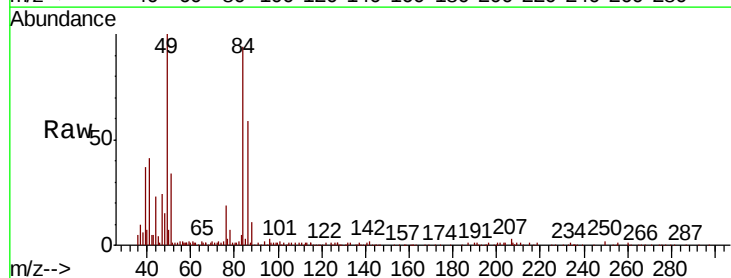
Instrument :
MSVOA_F
ClientSampleId :

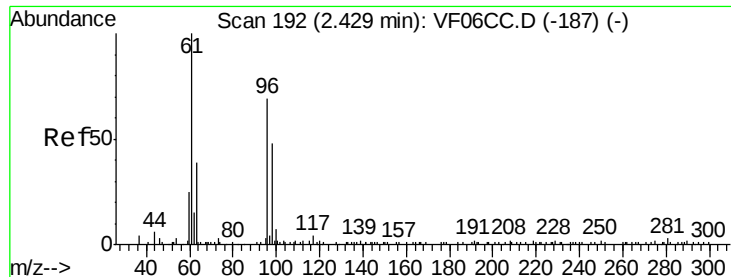
Tot Ion: 73 Resp: 563447
Ion Ratio Lower Upper
73 100
57 19.4 15.1 22.7



#20
Methylene Chloride
Concen: 14.374 ug/l
RT: 2.30 min Scan# 179
Delta R.T. -0.06 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Tgt Ion: 84 Resp: 88567
Ion Ratio Lower Upper
84 100
49 106.0 82.6 123.8
51 36.5 25.0 37.4
86 62.3 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 58.238 ug/l

RT: 2.44 min Scan# 193

Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Instrument :
MSVOA_F
ClientSampled :

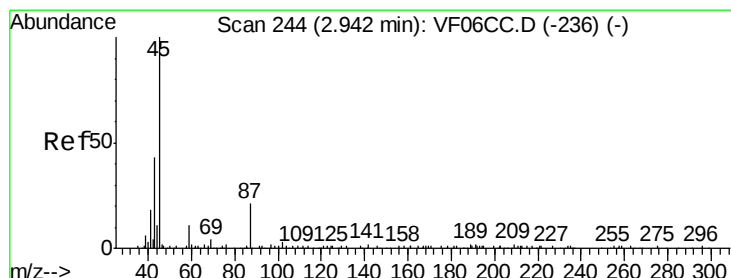
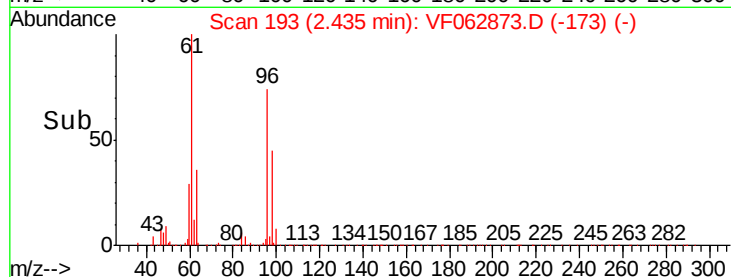
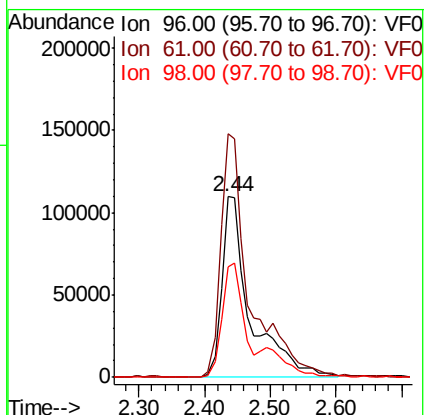
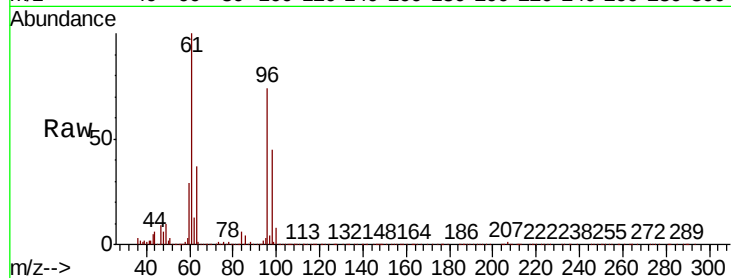
Tot Ion: 96 Resp: 328606

Ion Ratio Lower Upper

96 100

61 135.1 105.0 157.6

98 61.1 51.1 76.7



#22

Diisopropyl ether

Concen: 49.946 ug/l

RT: 2.96 min Scan# 246

Delta R.T. 0.00 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Tgt Ion: 45 Resp: 619513

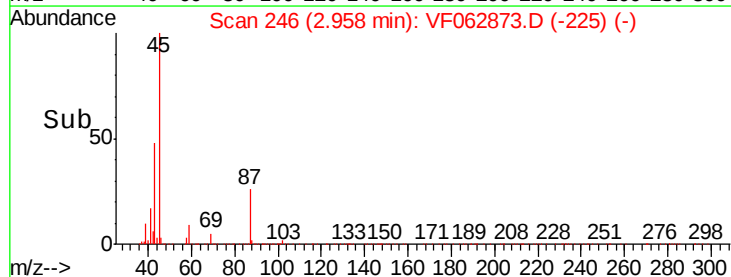
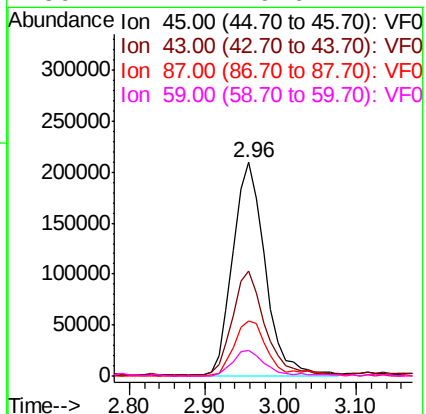
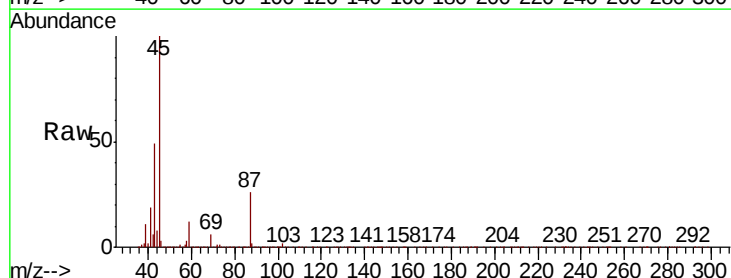
Ion Ratio Lower Upper

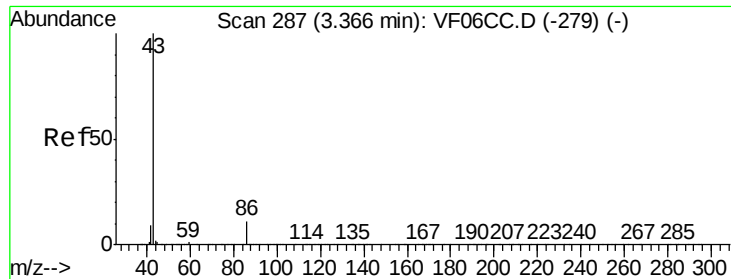
45 100

43 49.1 34.3 51.5

87 25.7 19.0 28.4

59 12.1 9.6 14.4

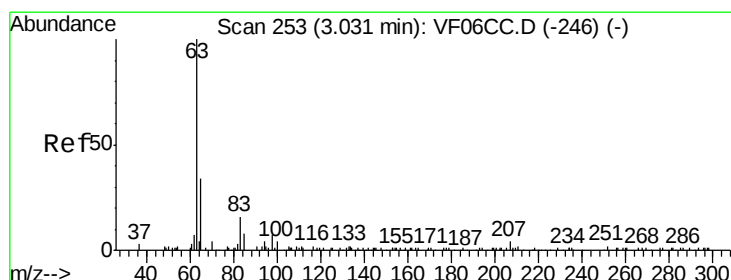
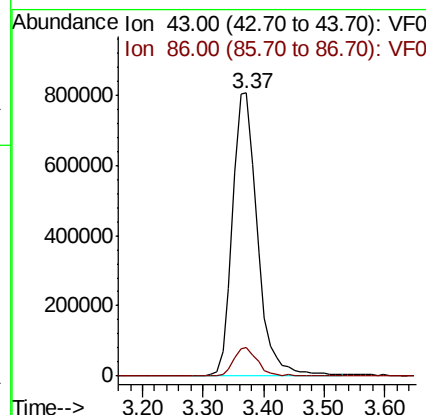
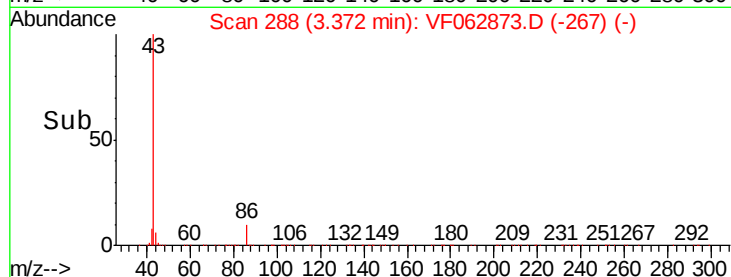
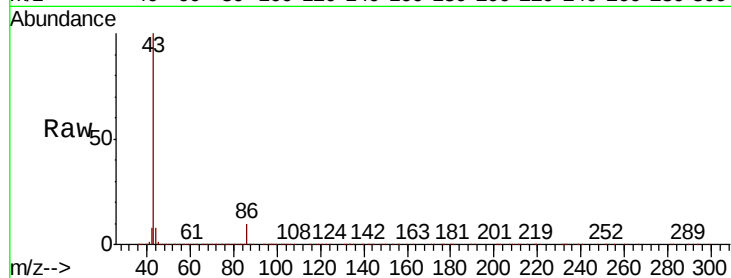




#23
 Vinyl Acetate
 Concen: 271.149 ug/l
 RT: 3.37 min Scan# 288
 Delta R.T. 0.00 min
 Lab File: VF062873.D
 Acq: 5 Jun 2019 18:54

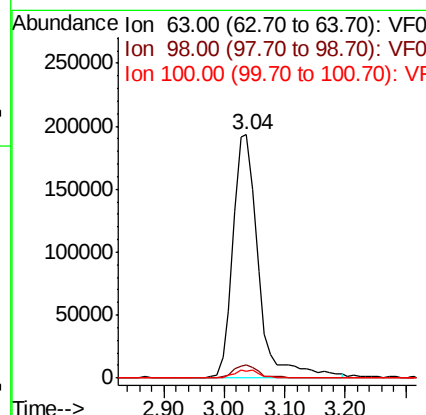
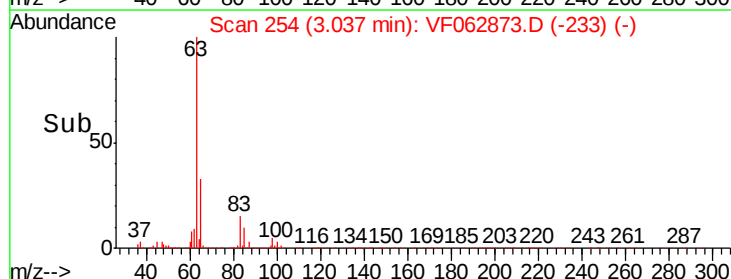
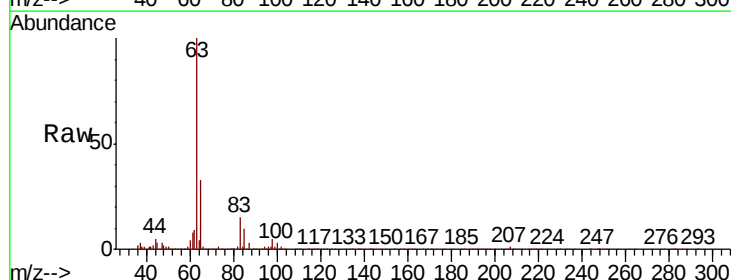
Instrument :
 MSVOA_F
 ClientSampleId :

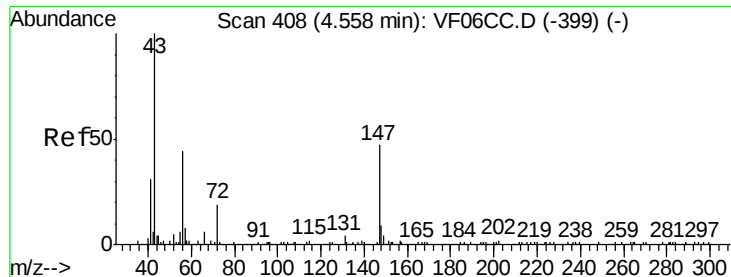
Tot Ion: 43 Resp: 2302521
 Ion Ratio Lower Upper
 43 100
 86 10.2 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 61.218 ug/l
 RT: 3.04 min Scan# 254
 Delta R.T. 0.00 min
 Lab File: VF062873.D
 Acq: 5 Jun 2019 18:54

Tgt Ion: 63 Resp: 566954
 Ion Ratio Lower Upper
 63 100
 98 5.5 2.4 7.1
 100 3.0 1.5 4.5

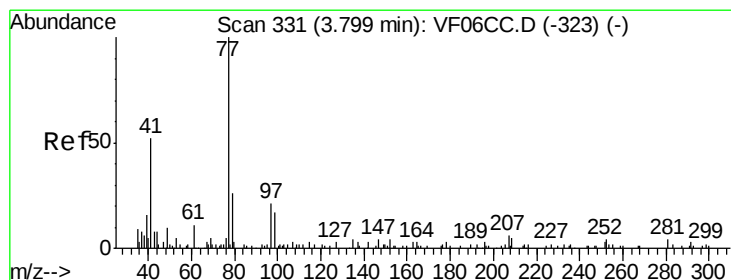
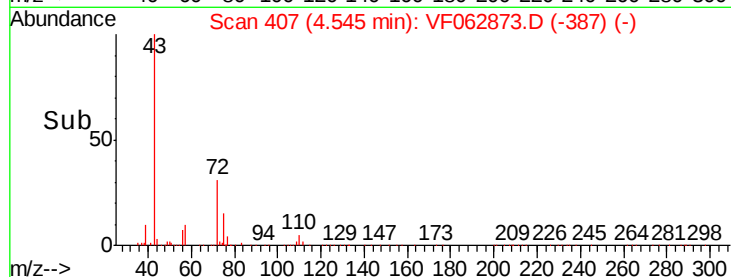
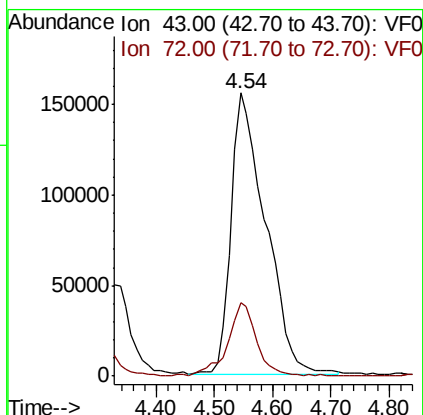
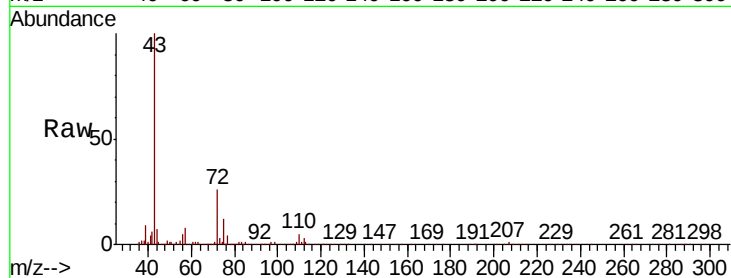




#25
2-Butanone
Concen: 255.701 ug/l
RT: 4.54 min Scan# 407
Delta R.T. -0.01 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

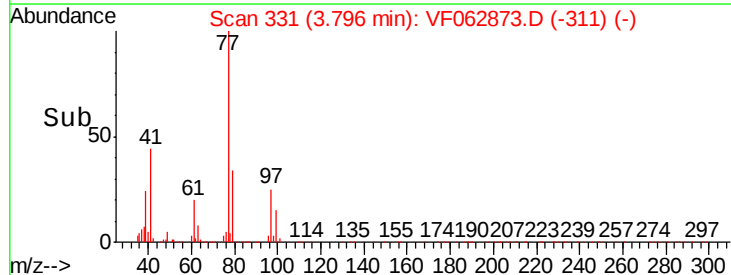
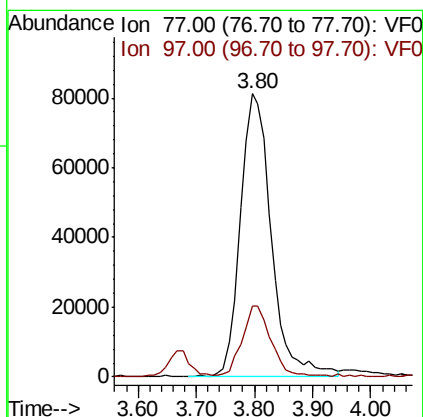
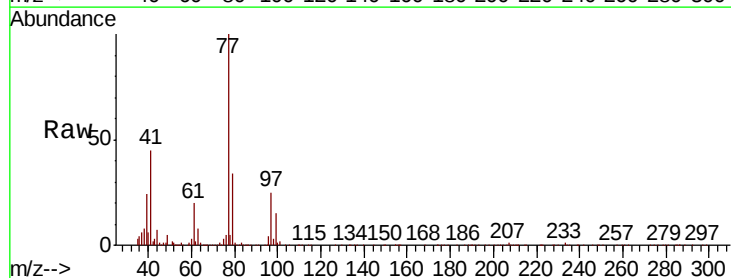
Instrument :
MSVOA_F
ClientSampleId :

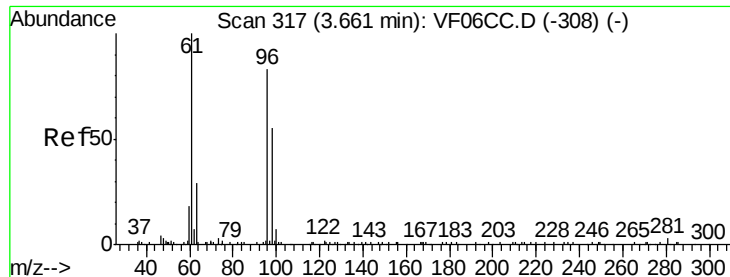
Tot Ion: 43 Resp: 638230
Ion Ratio Lower Upper
43 100
72 25.9 21.4 32.0



#26
2,2-Dichloropropane
Concen: 57.402 ug/l
RT: 3.80 min Scan# 331
Delta R.T. -0.01 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Tgt Ion: 77 Resp: 301851
Ion Ratio Lower Upper
77 100
97 25.1 12.4 37.4



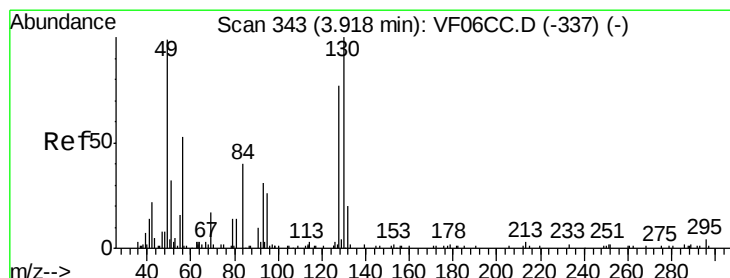
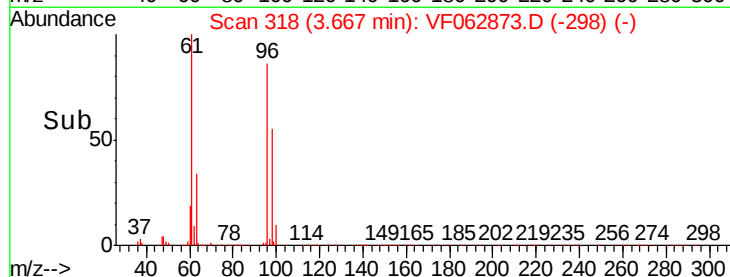
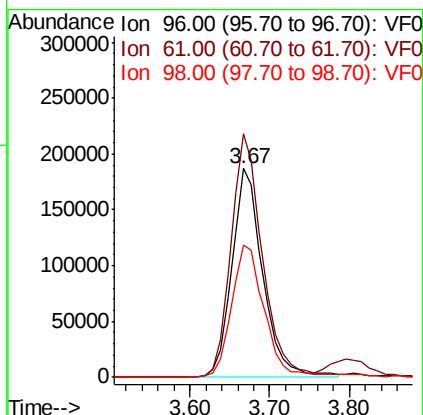
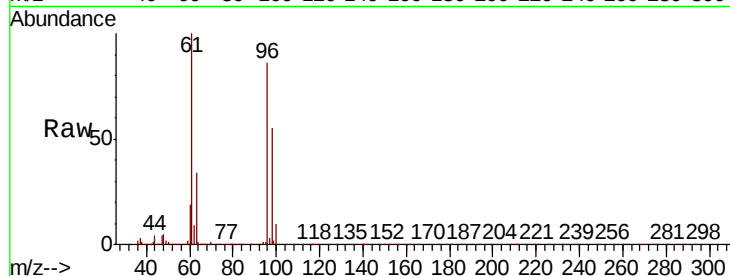


#27

cis-1,2-Dichloroethene
Concen: 52.971 ug/l
RT: 3.67 min Scan# 318
Delta R.T. -0.01 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Instrument :
MSVOA_F
ClientSampled :

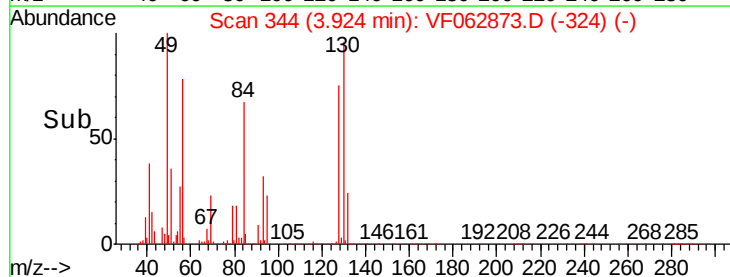
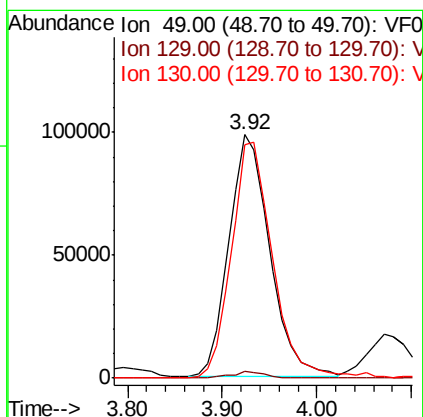
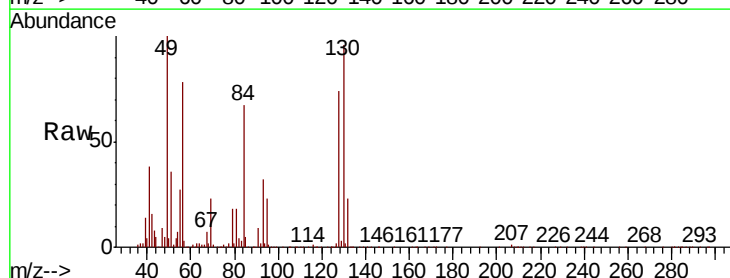
Tot Ion	Ratio	Lower	Upper
96	100		
61	116.6	0.0	213.8
98	63.6	0.0	127.0

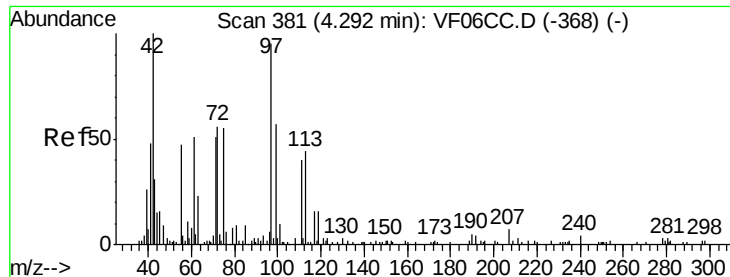


#28

Bromochloromethane
Concen: 58.864 ug/l
RT: 3.92 min Scan# 344
Delta R.T. -0.01 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	5.4
130	96.1	79.2	118.8

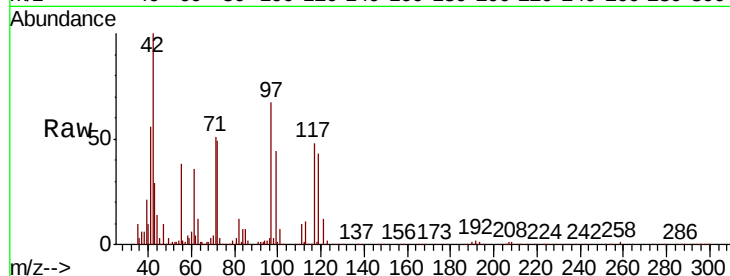




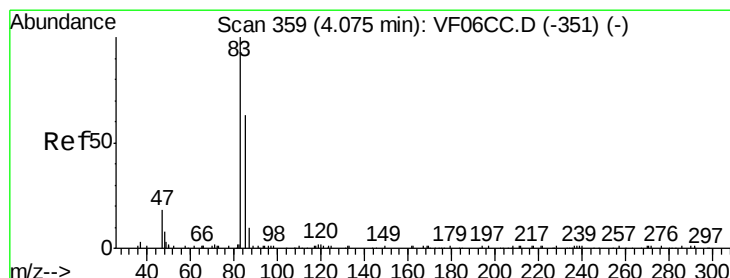
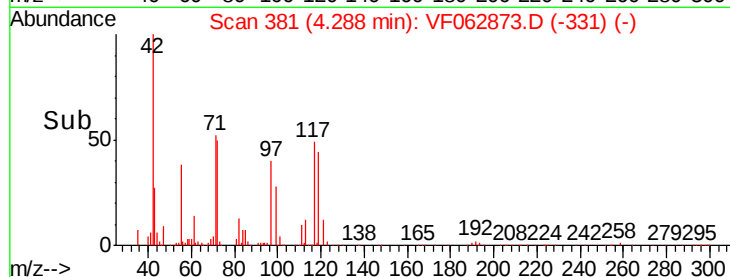
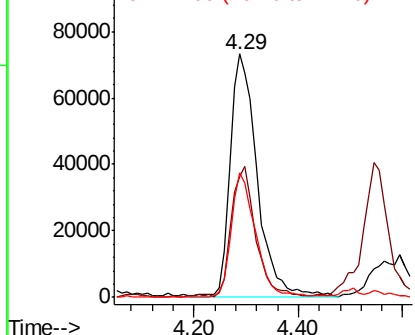
#29
Tetrahydrofuran
Concen: 268.129 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 42 Resp: 255970
Ion Ratio Lower Upper
42 100
72 47.6 39.0 58.6
71 46.8 36.9 55.3

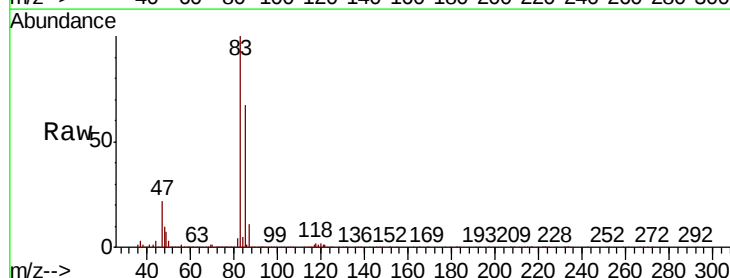


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

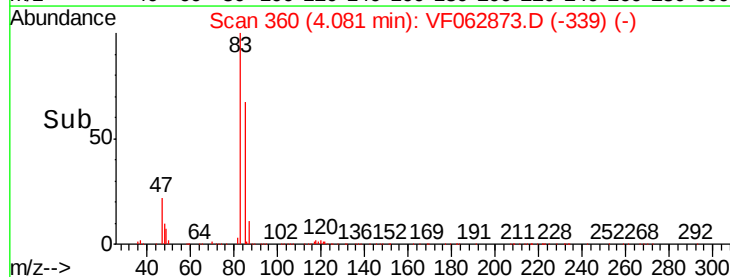
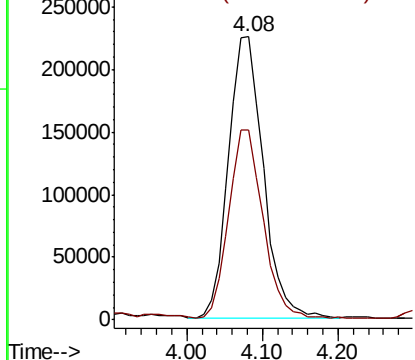


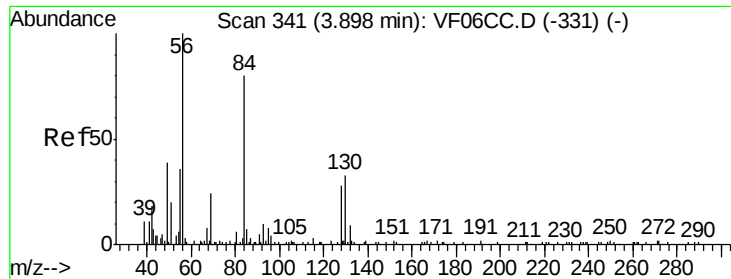
#30
Chloroform
Concen: 54.679 ug/l
RT: 4.08 min Scan# 360
Delta R.T. 0.00 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Tgt Ion: 83 Resp: 713689
Ion Ratio Lower Upper
83 100
85 67.2 55.0 82.6



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

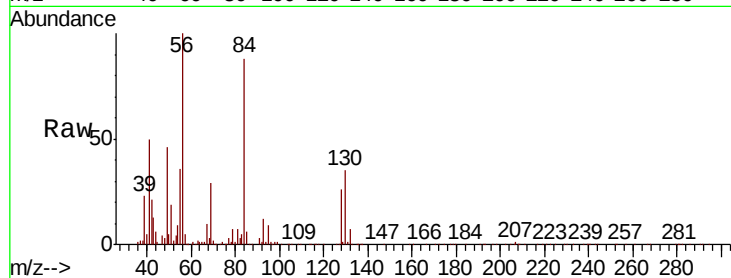




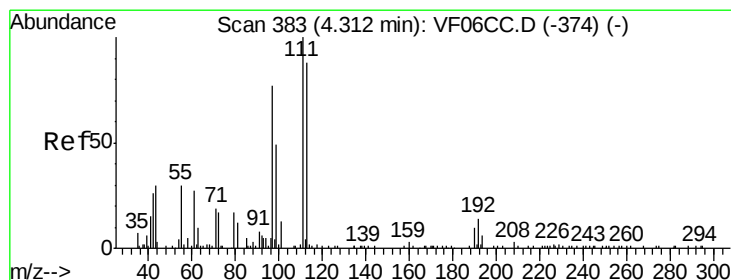
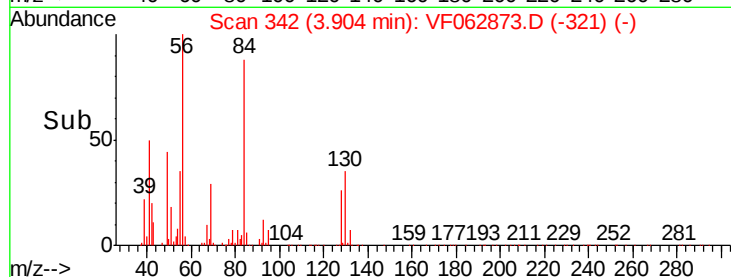
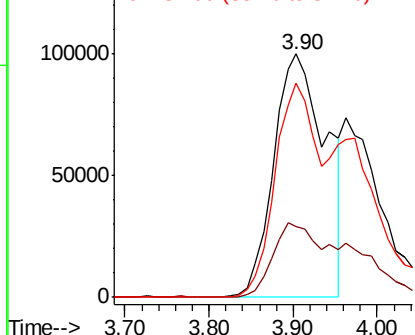
#31
Cyclohexane
Concen: 34.537 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.00 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 433040
Ion Ratio Lower Upper
56 100
69 29.2 26.7 40.1
84 88.0 74.3 111.5

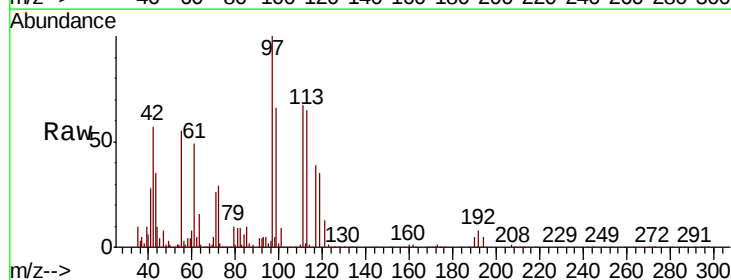


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

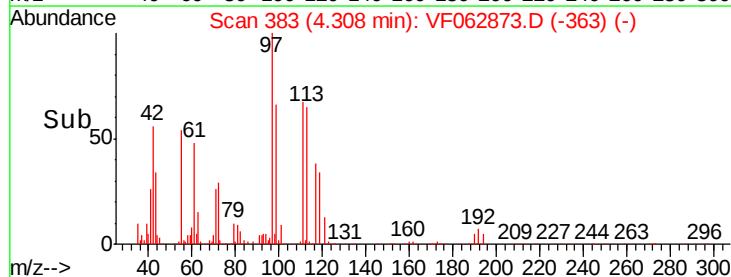
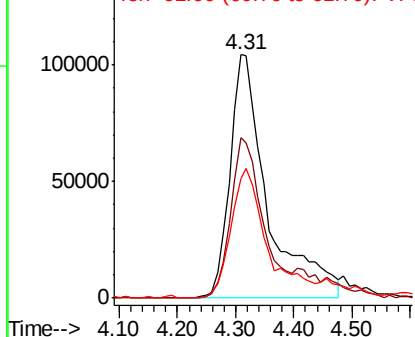


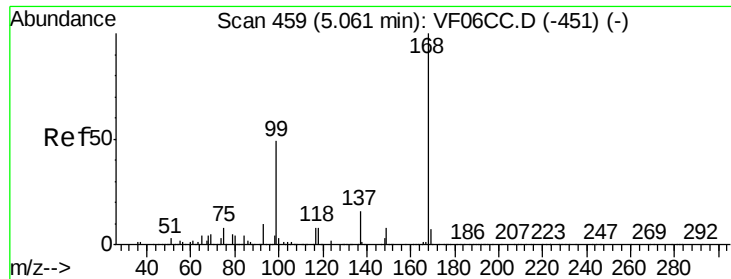
#32
1,1,1-Trichloroethane
Concen: 62.128 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.01 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Tgt Ion: 97 Resp: 472138
Ion Ratio Lower Upper
97 100
99 65.6 51.7 77.5
61 48.9 38.9 58.3



Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 99.00 (98.70 to 99.70): VF0
Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 48.331 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.00 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Instrument :

MSVOA_F

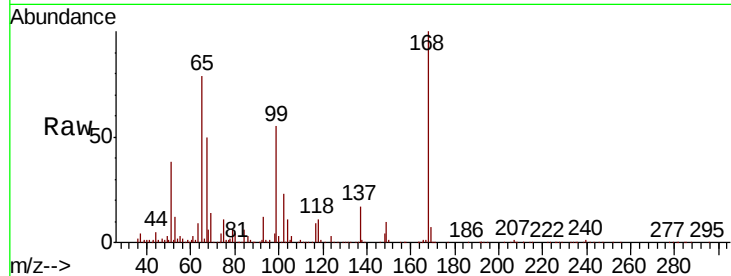
ClientSampleId :

Tot Ion: 65 Resp: 226328

Ion Ratio Lower Upper

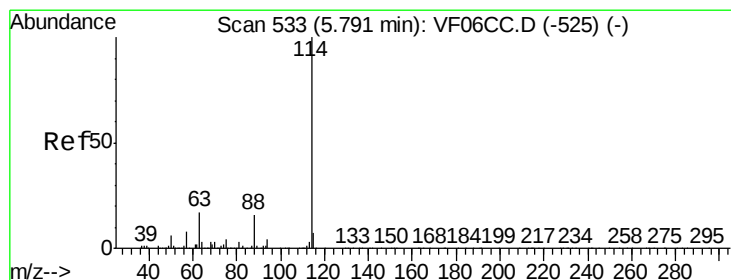
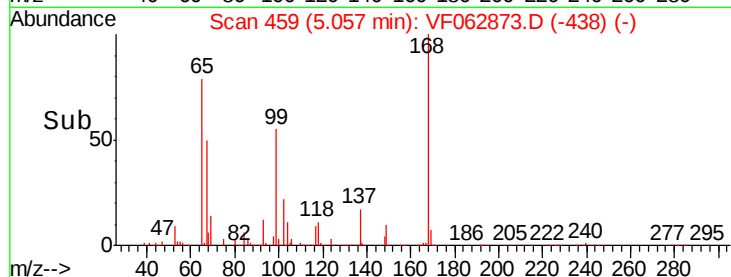
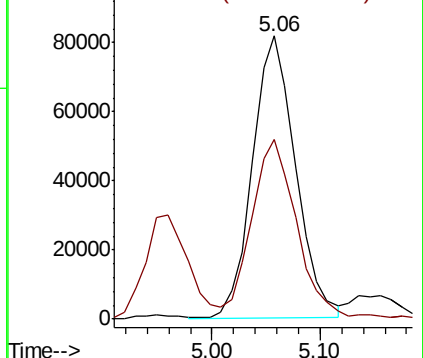
65 100

67 63.4 0.0 121.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.80 min Scan# 534

Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

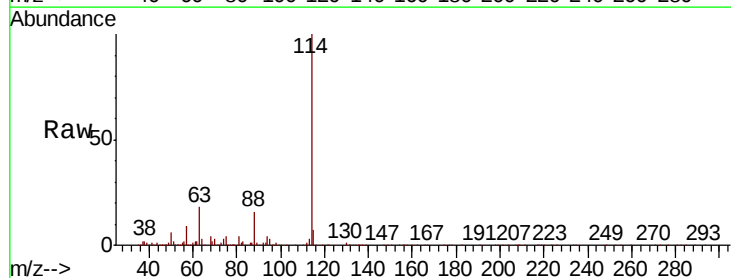
Tgt Ion:114 Resp: 1173688

Ion Ratio Lower Upper

114 100

63 17.5 0.0 34.2

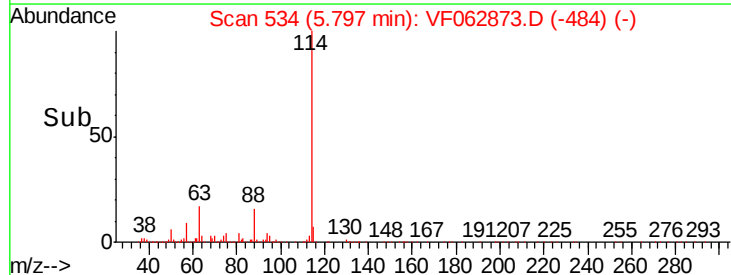
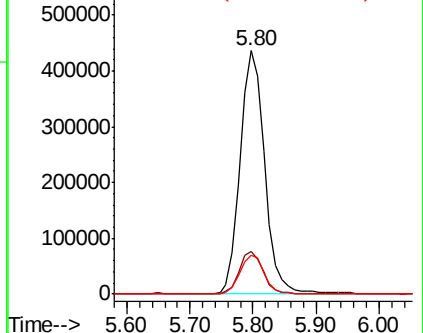
88 16.1 0.0 31.2

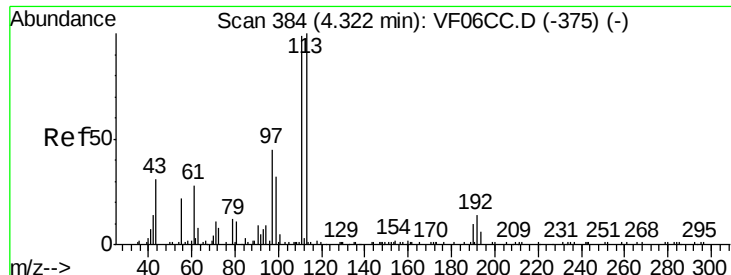


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 50.657 ug/l

RT: 4.34 min Scan# 386

Delta R.T. 0.00 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Instrument :
MSVOA_F
ClientSampleId :

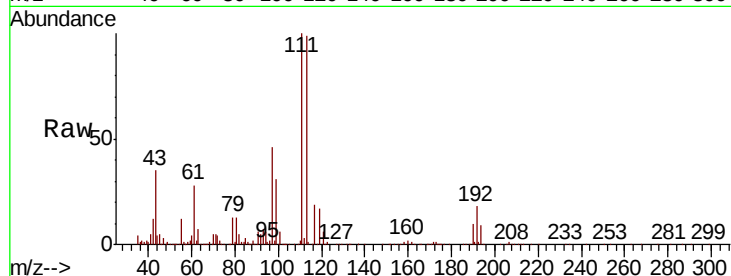
Tot Ion:113 Resp: 449280

Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.9	122.9
192	19.2	15.1	22.7

113 100

111 101.2 81.9 122.9

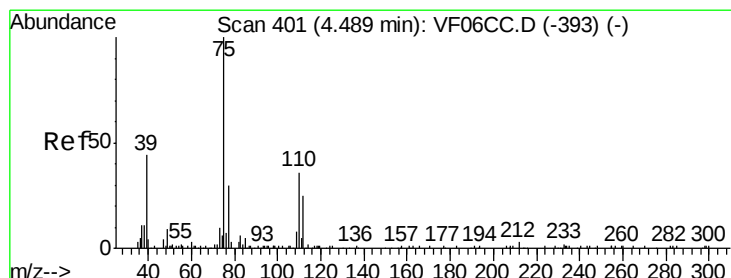
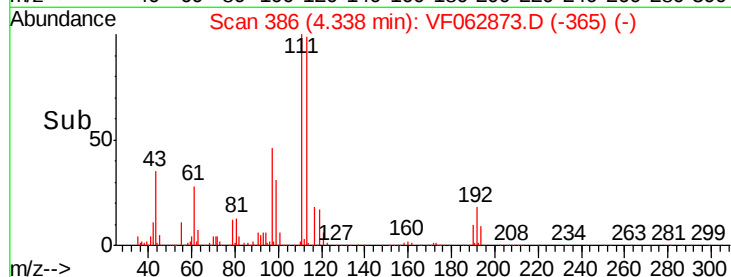
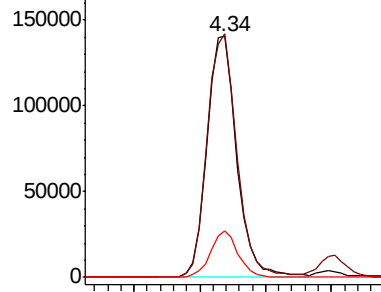
192 19.2 15.1 22.7



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 52.837 ug/l

RT: 4.50 min Scan# 402

Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

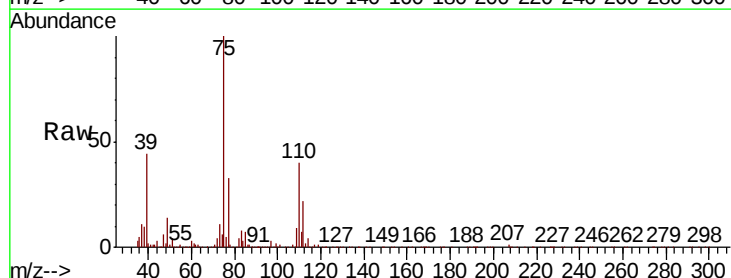
Tgt Ion: 75 Resp: 570897

Ion	Ratio	Lower	Upper
75	100		
110	40.1	19.4	58.1
77	33.4	25.4	38.2

75 100

110 40.1 19.4 58.1

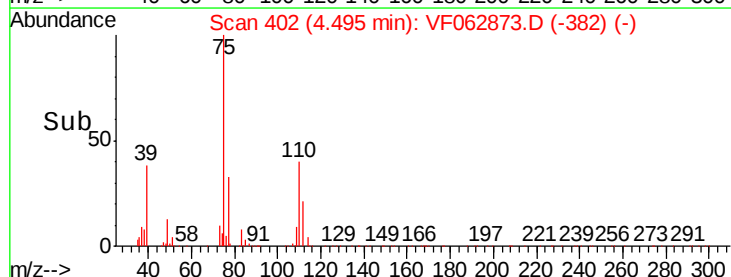
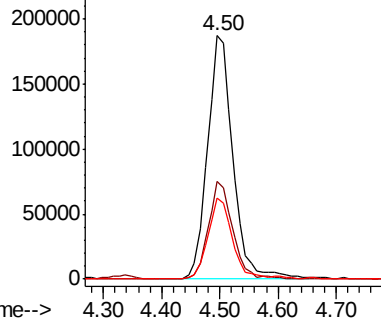
77 33.4 25.4 38.2

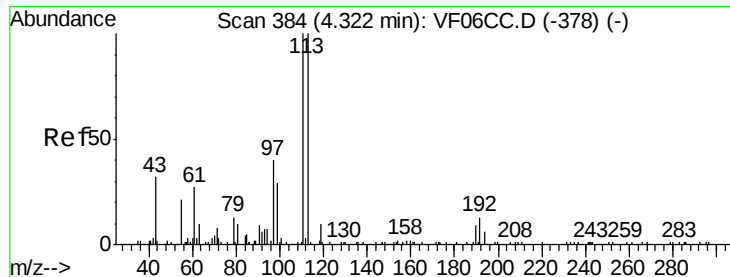


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 50.864 ug/l

RT: 4.32 min Scan# 384

Delta R.T. -0.02 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Instrument :
MSVOA_F
ClientSampleId :

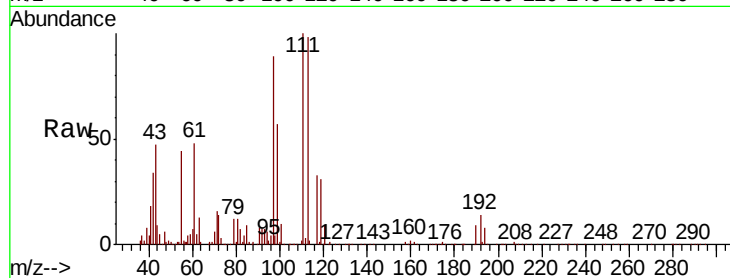
Tot Ion: 43 Resp: 210086

Ion Ratio Lower Upper

43 100

61 101.6 59.1 88.7#

70 12.8 10.1 15.1



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

150000

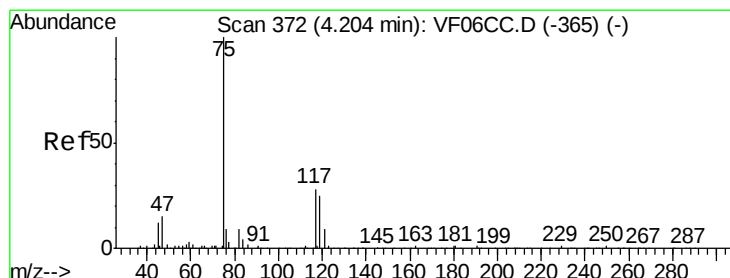
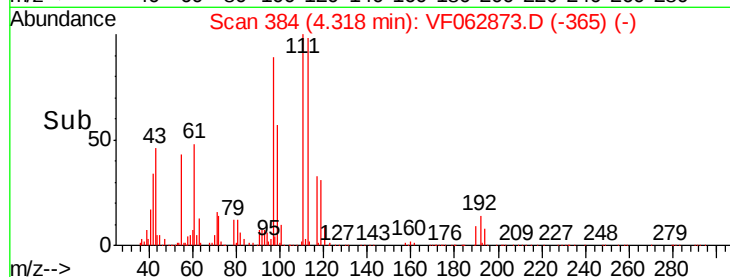
100000

50000

0

4.20 4.30 4.40 4.50

Time-->



#38

Carbon Tetrachloride

Concen: 57.963 ug/l

RT: 4.21 min Scan# 373

Delta R.T. 0.00 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

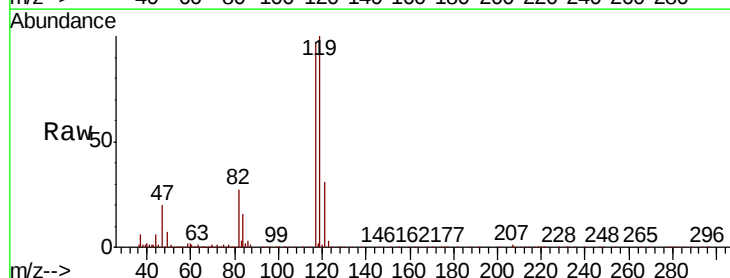
Tgt Ion: 117 Resp: 423268

Ion Ratio Lower Upper

117 100

119 103.0 78.2 117.2

121 32.2 28.2 42.2



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

150000

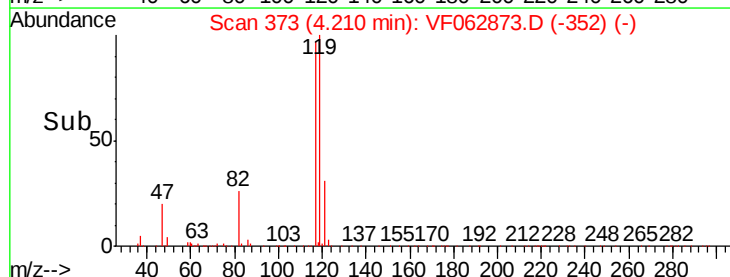
100000

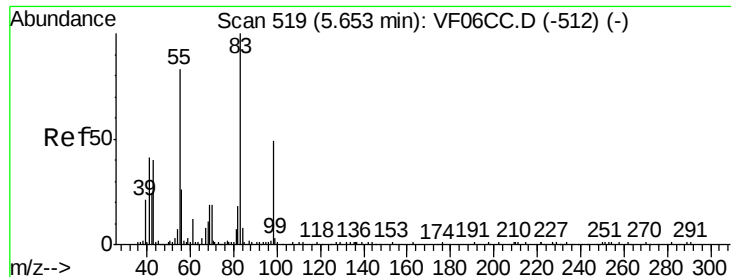
50000

0

4.10 4.20 4.30

Time-->

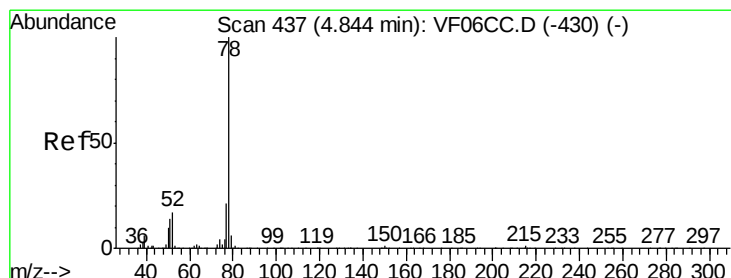
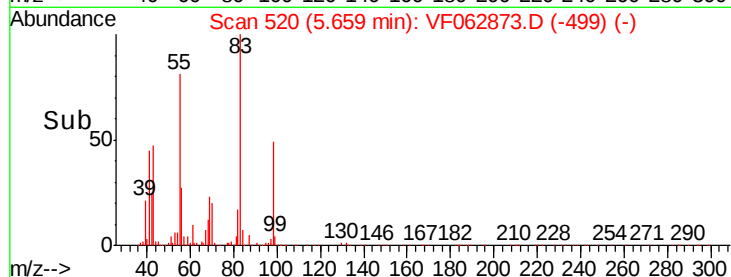
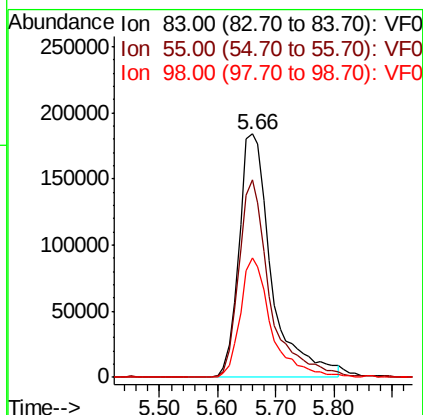
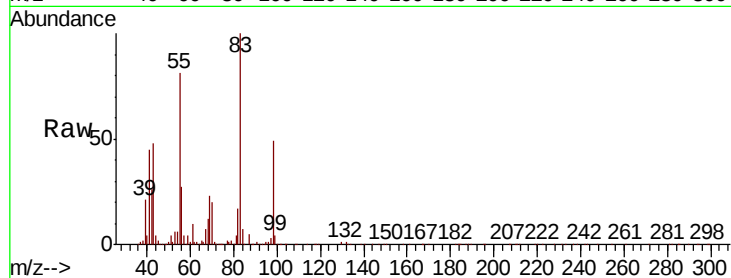




#39
Methvlcvclohexane
Concen: 53.335 ug/l
RT: 5.66 min Scan# 520
Delta R.T. 0.00 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

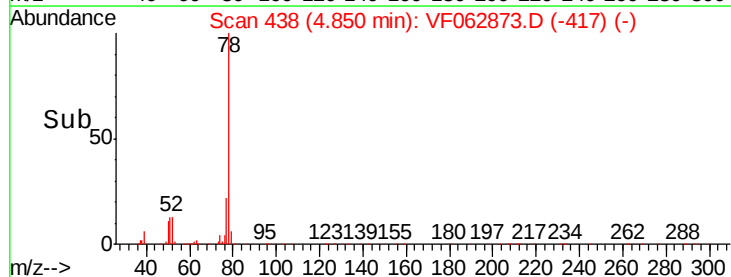
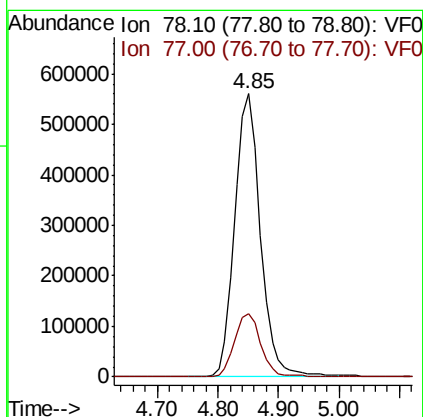
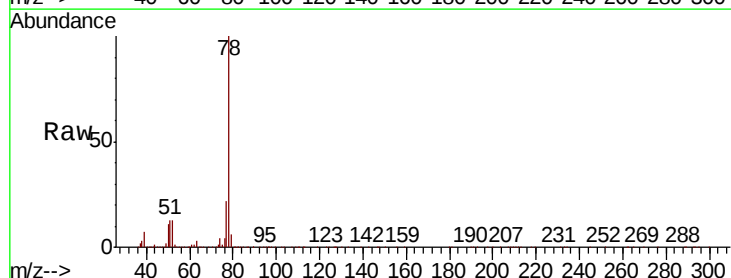
Instrument :
MSVOA_F
ClientSampleId :

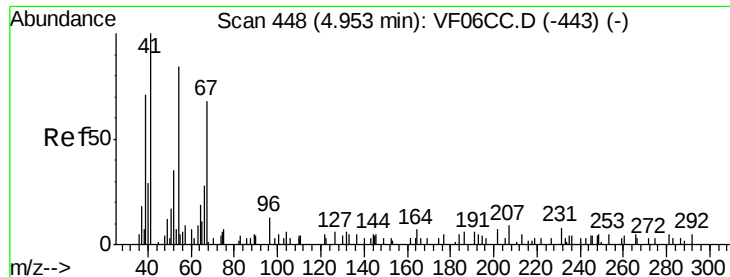
Tot Ion: 83 Resp: 717233
Ion Ratio Lower Upper
83 100
55 81.3 61.6 92.4
98 48.9 37.4 56.2



#40
Benzene
Concen: 52.668 ug/l
RT: 4.85 min Scan# 438
Delta R.T. 0.00 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Tgt Ion: 78 Resp: 1656195
Ion Ratio Lower Upper
78 100
77 22.3 18.9 28.3

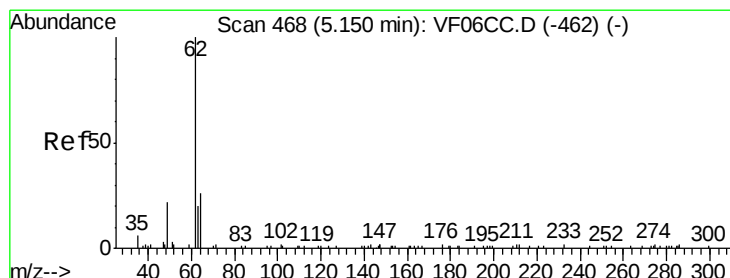
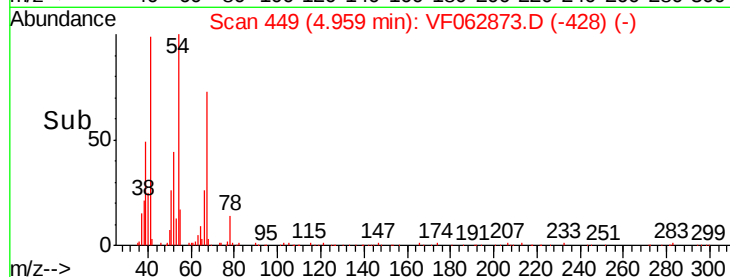
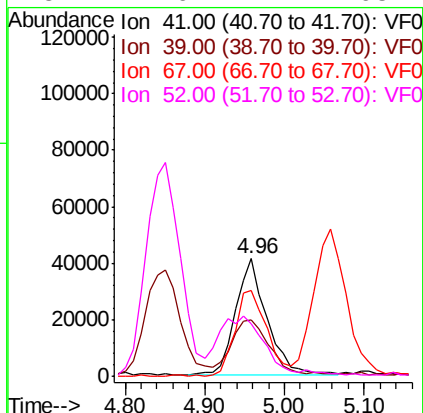
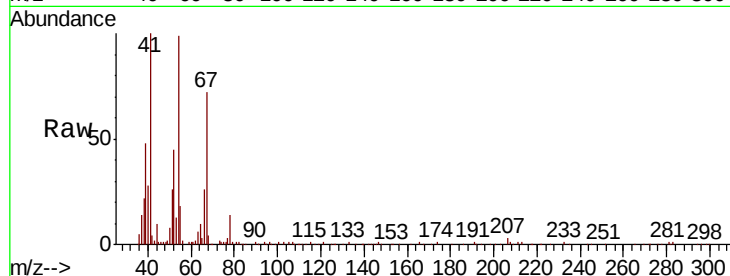




#41
Methacrylonitrile
Concen: 49.309 ug/l
RT: 4.96 min Scan# 449
Delta R.T. 0.00 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

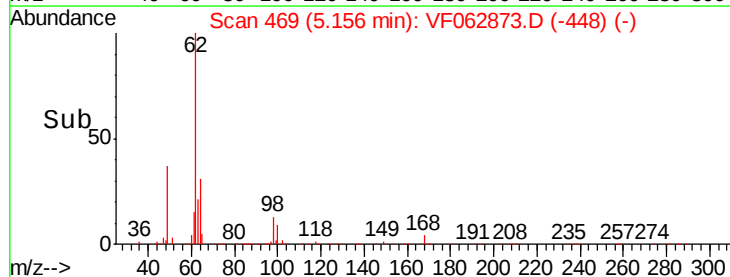
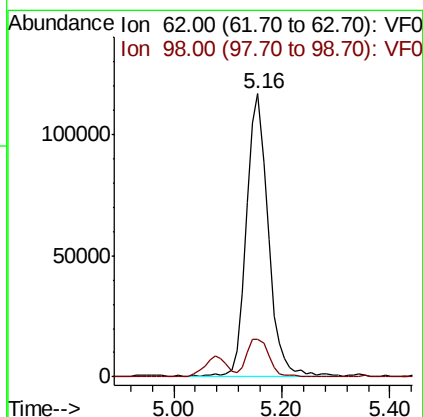
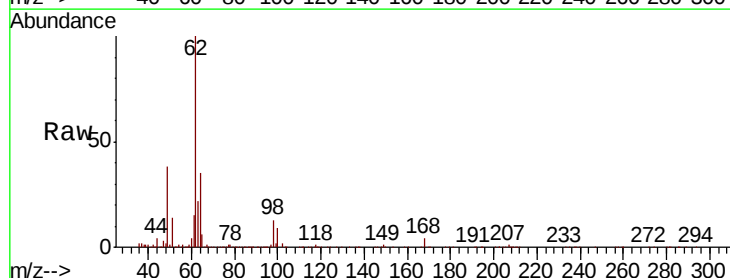
Instrument :
MSVOA_F
ClientSampled :

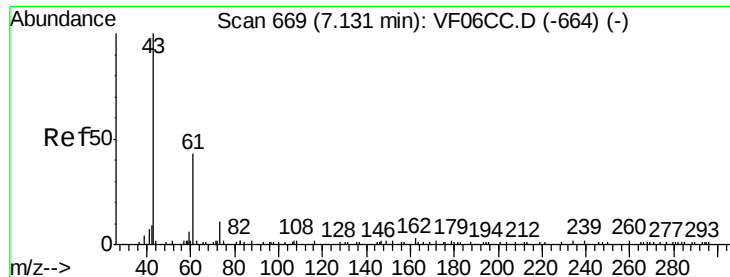
Tot Ion:	41	Resp:	113220
Ion	Ratio	Lower	Upper
41	100		
39	47.9	42.0	63.0
67	72.5	61.4	92.0
52	44.6	42.1	63.1



#42
1,2-Dichloroethane
Concen: 54.776 ug/l
RT: 5.16 min Scan# 469
Delta R.T. 0.00 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Tgt Ion:	62	Resp:	327604
Ion	Ratio	Lower	Upper
62	100		
98	13.3	0.0	24.0



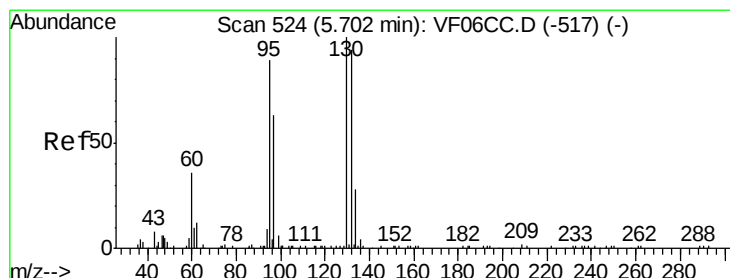
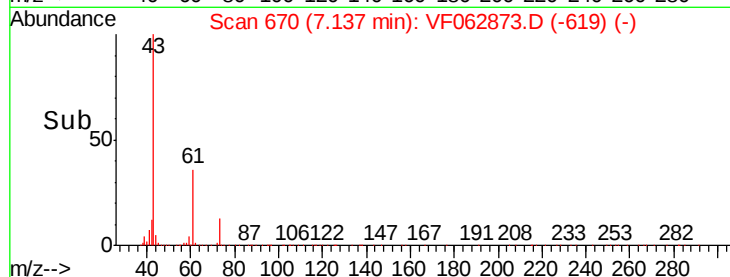
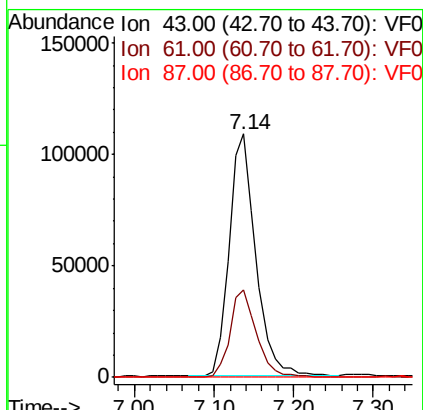
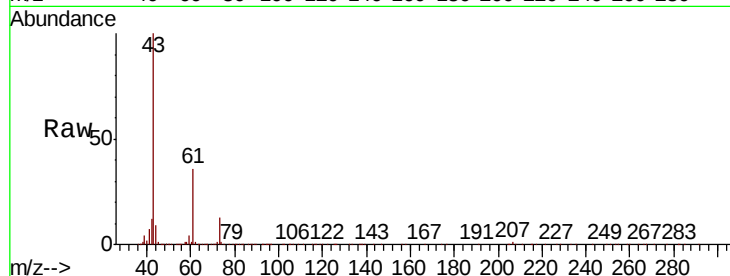


#43

Isopropyl Acetate
 Concen: 46.398 ug/l
 RT: 7.14 min Scan# 670
 Delta R.T. 0.00 min
 Lab File: VF062873.D
 Acq: 5 Jun 2019 18:54

Instrument :
 MSVOA_F
 ClientSampled :

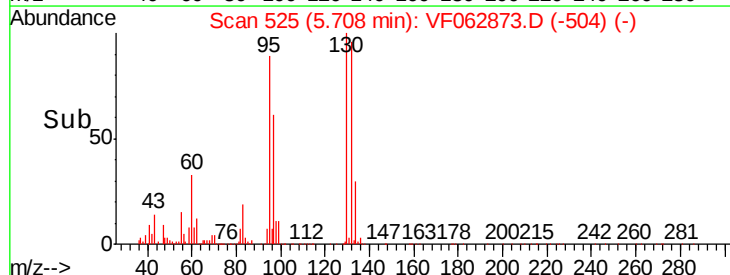
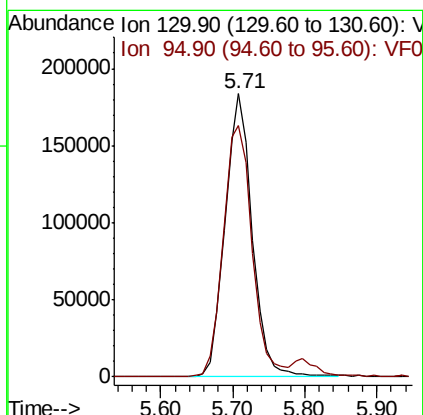
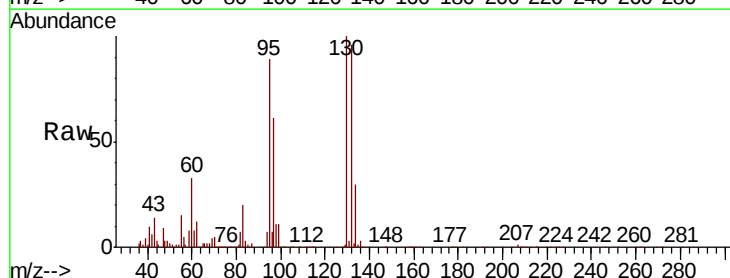
Tot Ion: 43 Resp: 253158
 Ion Ratio Lower Upper
 43 100
 61 35.9 29.8 44.6
 87 0.3 0.3 0.5#

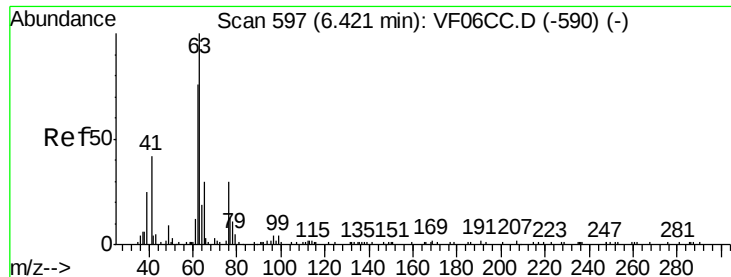


#44

Trichloroethene
 Concen: 54.069 ug/l
 RT: 5.71 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: VF062873.D
 Acq: 5 Jun 2019 18:54

Tgt Ion: 130 Resp: 479853
 Ion Ratio Lower Upper
 130 100
 95 88.8 0.0 188.2





#45

1,2-Dichloropropane

Concen: 54.249 ug/l

RT: 6.43 min Scan# 598

Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

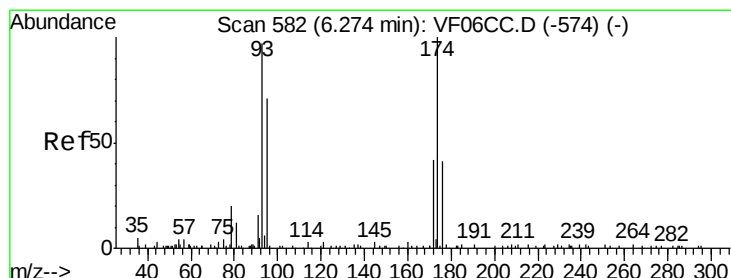
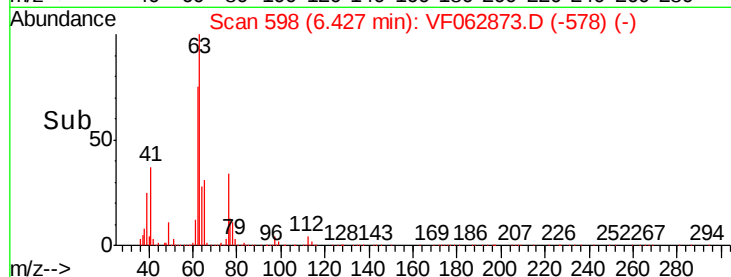
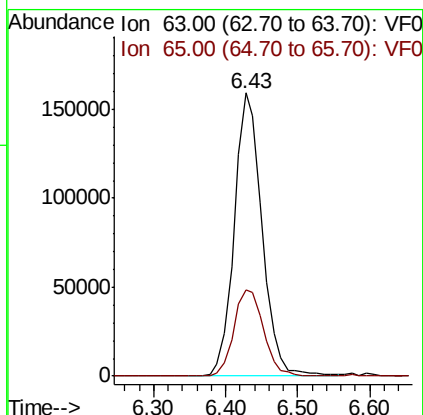
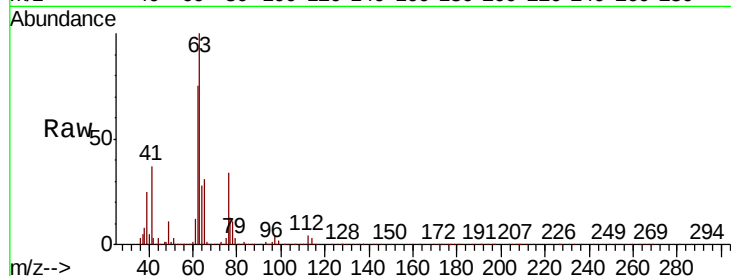
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 428096

Ion Ratio Lower Upper

63 100

65 30.6 24.2 36.2



#46

Dibromomethane

Concen: 52.702 ug/l

RT: 6.28 min Scan# 583

Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

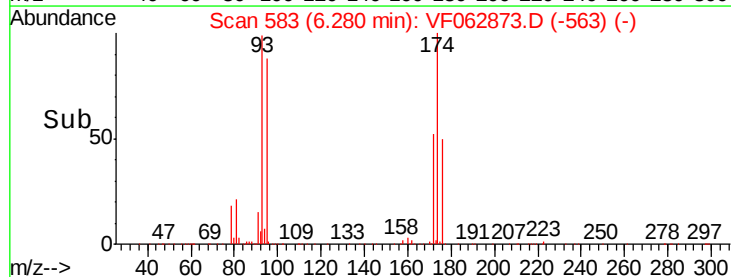
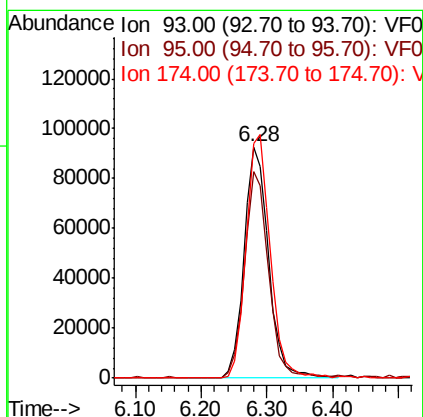
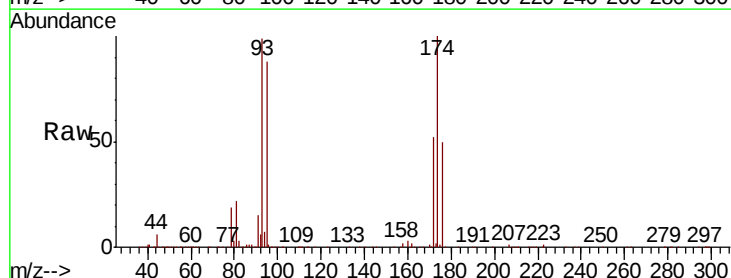
Tgt Ion: 93 Resp: 242812

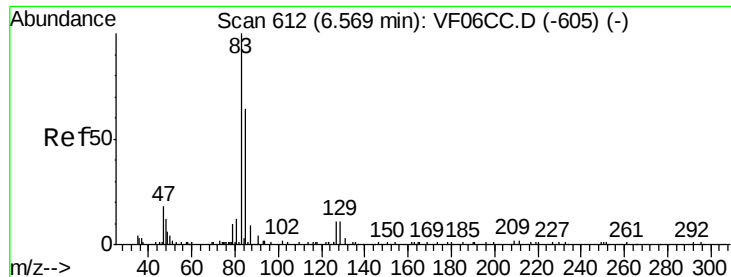
Ion Ratio Lower Upper

93 100

95 89.2 67.9 101.9

174 102.7 85.0 127.4





#47

Bromodichloromethane

Concen: 54.088 ug/l

RT: 6.58 min Scan# 613

Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Instrument :
MSVOA_F
ClientSampled :

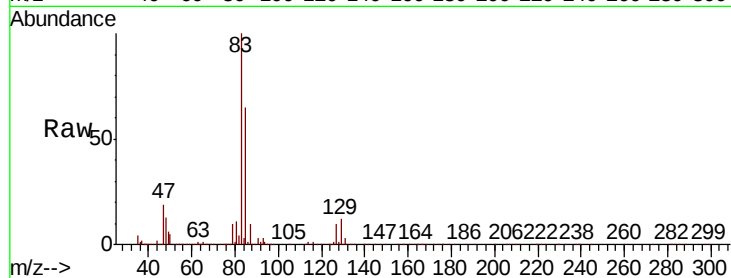
Tot Ion: 83 Resp: 507504

Ion Ratio Lower Upper

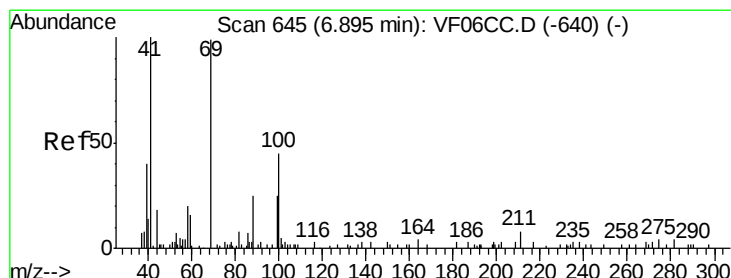
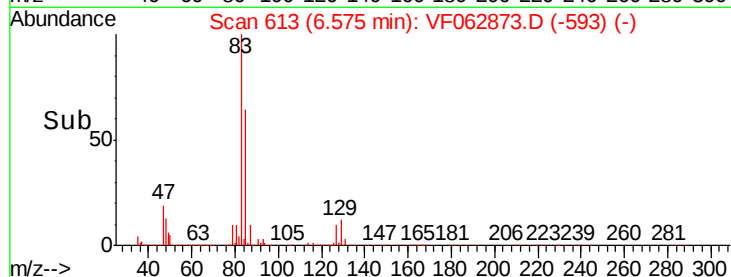
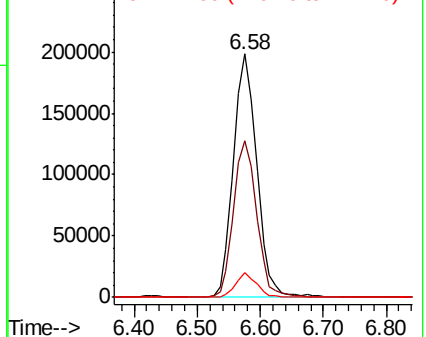
83 100

85 64.6 54.2 81.4

127 10.0 7.0 10.4



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



#48

Methyl methacrylate

Concen: 45.526 ug/l

RT: 6.90 min Scan# 646

Delta R.T. 0.00 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

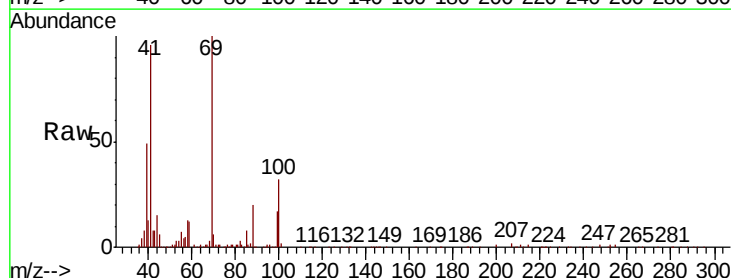
Tgt Ion: 41 Resp: 128017

Ion Ratio Lower Upper

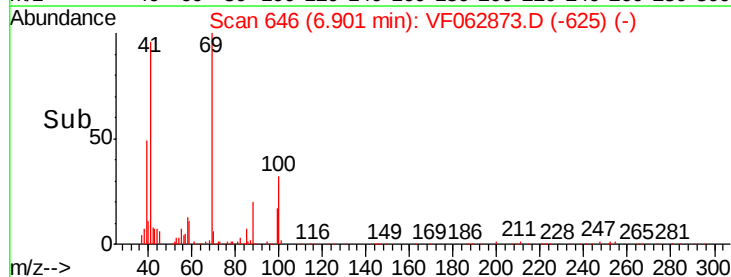
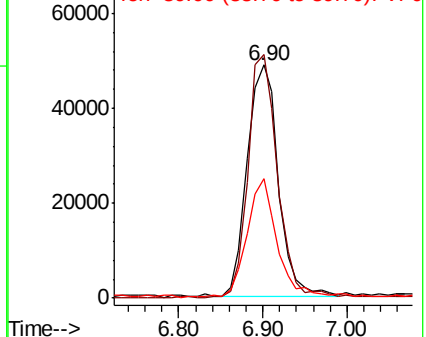
41 100

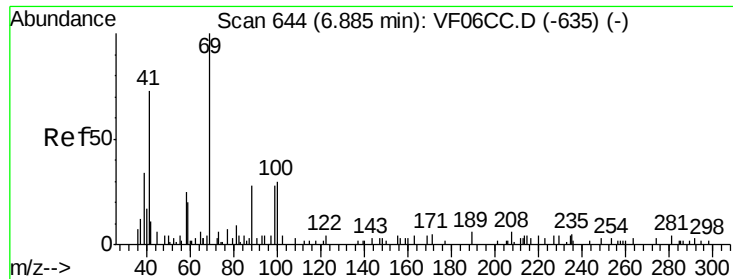
69 104.6 79.4 119.2

39 51.1 39.8 59.6



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

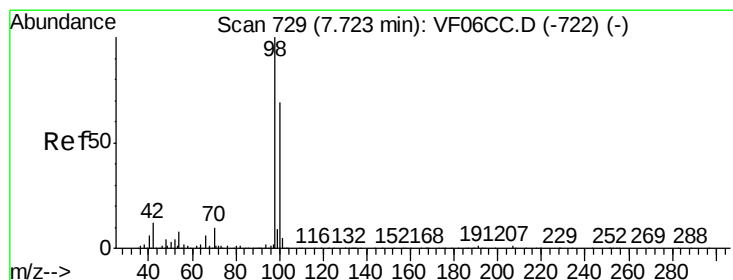
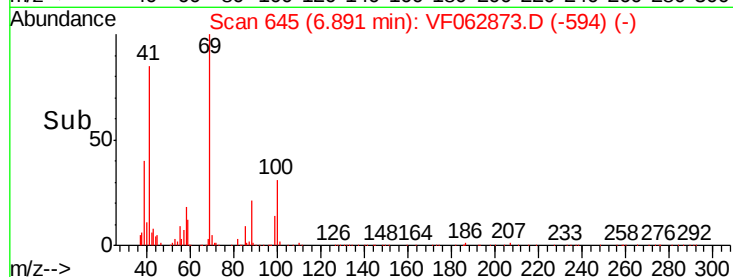
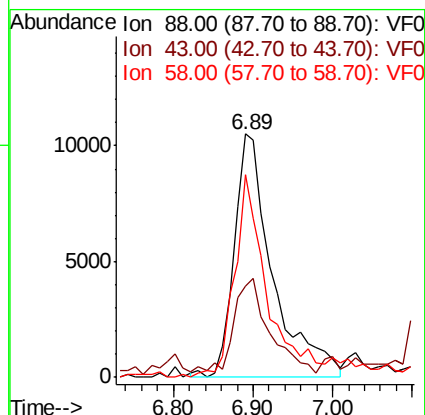
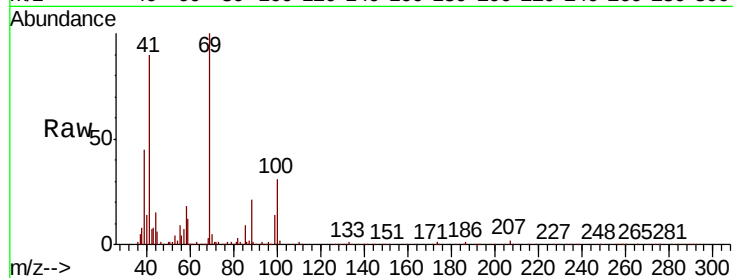




#49
1,4-Dioxane
Concen: 955.526 ug/l
RT: 6.89 min Scan# 645
Delta R.T. 0.00 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

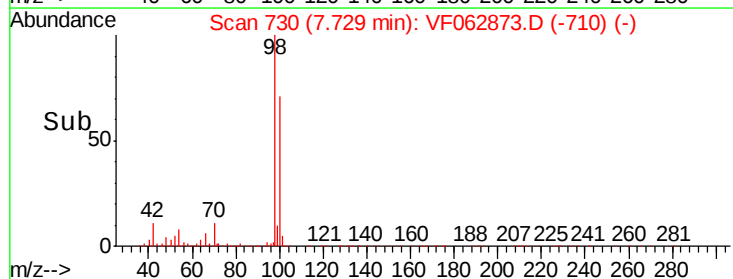
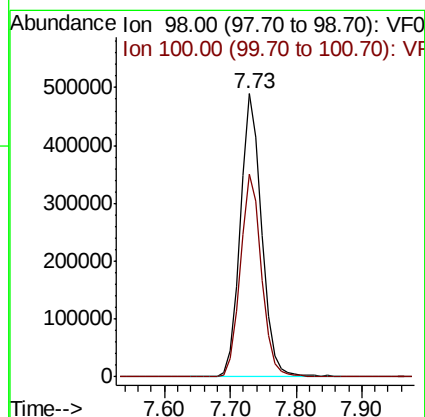
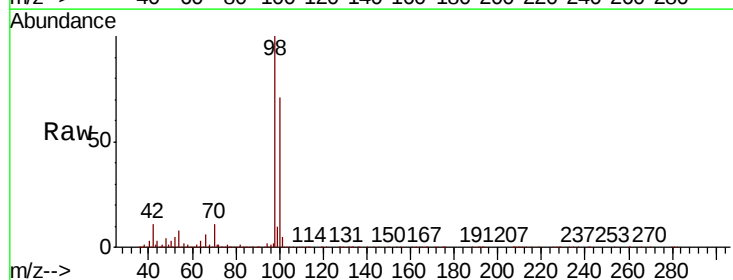
Instrument :
MSVOA_F
ClientSampleId :

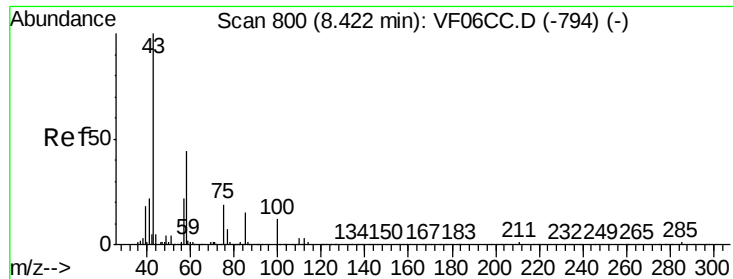
Tot Ion: 88 Resp: 35416
Ion Ratio Lower Upper
88 100
43 37.3 34.8 52.2
58 83.1 59.9 89.9



#50
Toluene-d8
Concen: 49.881 ug/l
RT: 7.73 min Scan# 730
Delta R.T. -0.01 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Tgt Ion: 98 Resp: 1118715
Ion Ratio Lower Upper
98 100
100 71.5 59.8 89.8





#51

4-Methyl-2-Pentanone

Concen: 260.656 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Instrument :

MSVOA_F

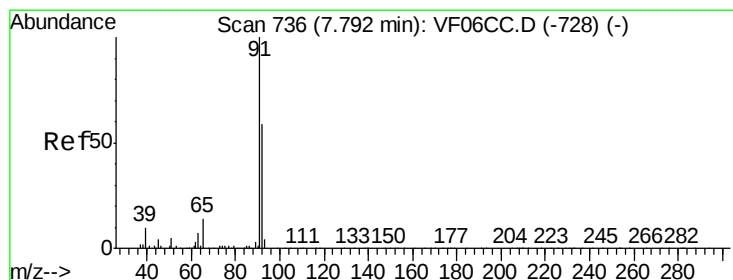
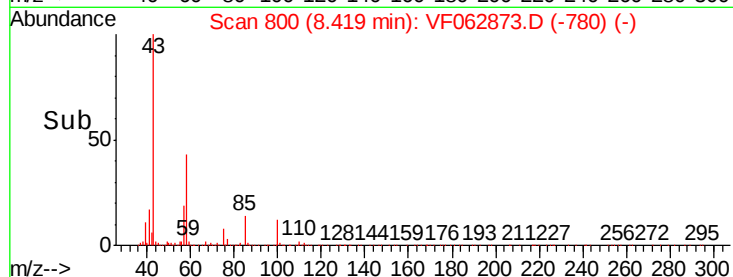
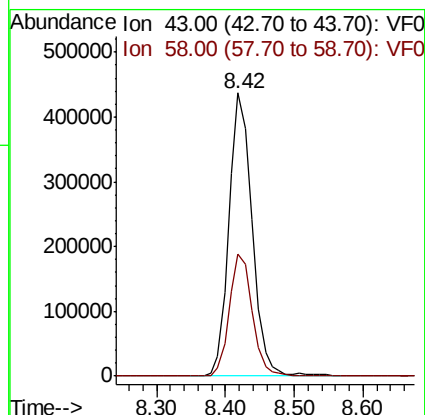
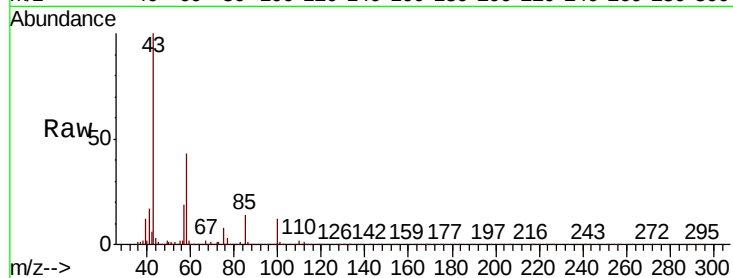
ClientSampleId :

Tot Ion: 43 Resp: 1015360

Ion Ratio Lower Upper

43 100

58 43.0 35.5 53.3



#52

Toluene

Concen: 53.022 ug/l

RT: 7.80 min Scan# 737

Delta R.T. -0.01 min

Lab File: VF062873.D

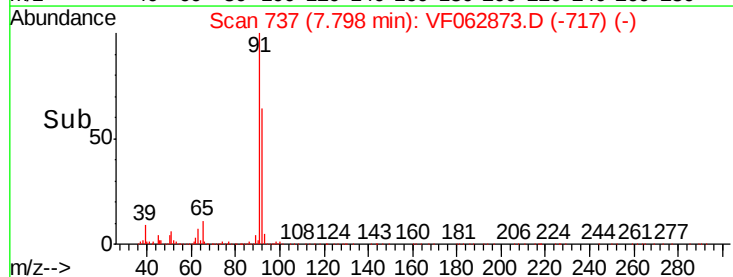
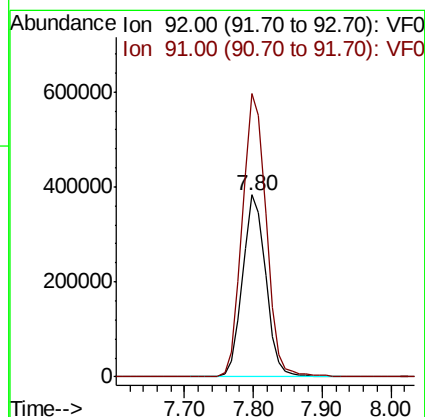
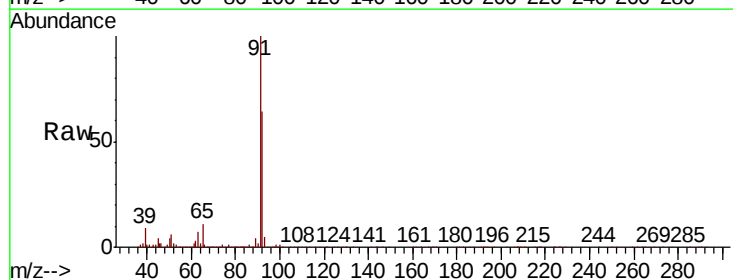
Acq: 5 Jun 2019 18:54

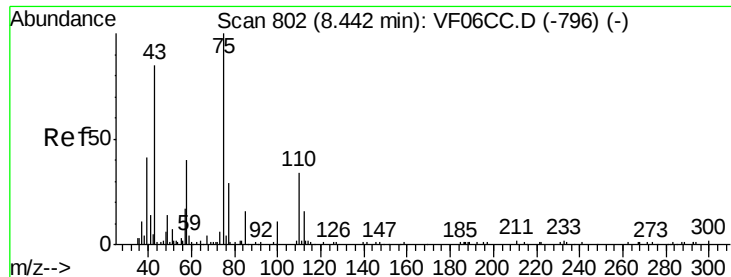
Tgt Ion: 92 Resp: 898053

Ion Ratio Lower Upper

92 100

91 155.4 123.2 184.8





#53

t-1,3-Dichloropropene

Concen: 54.055 ug/l

RT: 8.45 min Scan# 803

Delta R.T. 0.00 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

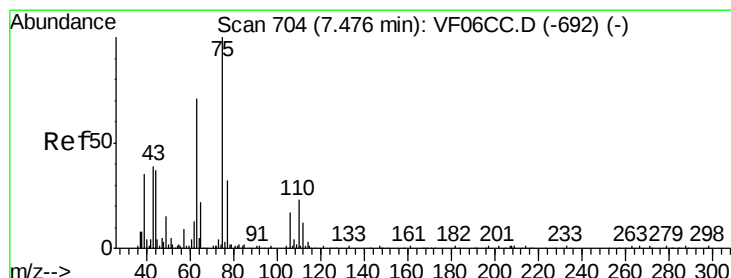
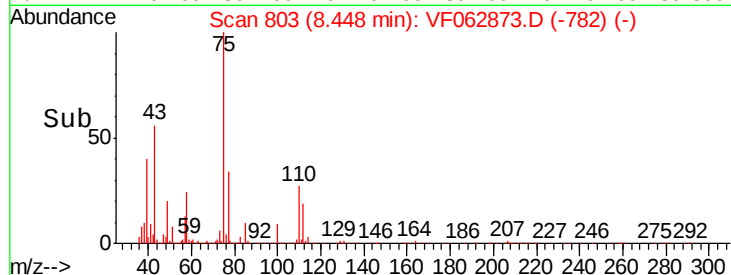
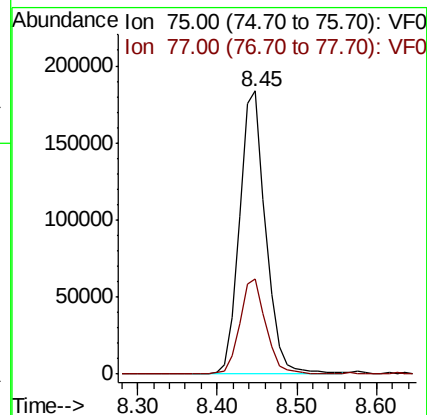
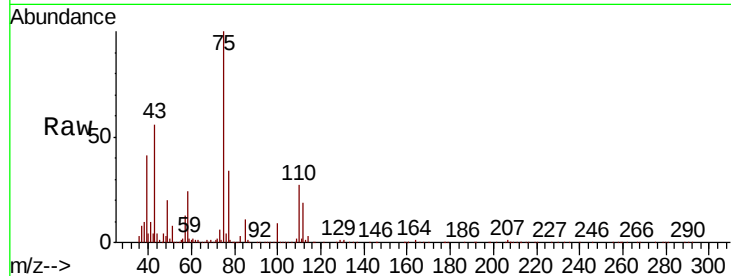
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 75 Resp: 420289

Ion Ratio Lower Upper

75 100

77 33.8 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 53.841 ug/l

RT: 7.48 min Scan# 705

Delta R.T. 0.00 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

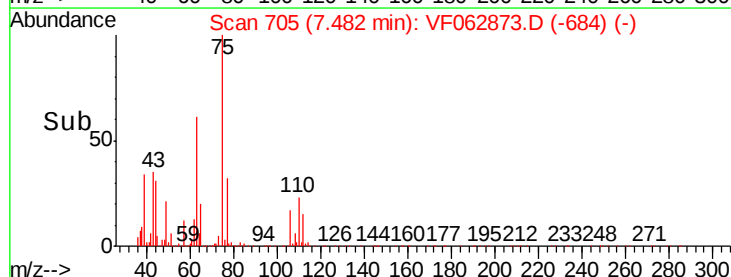
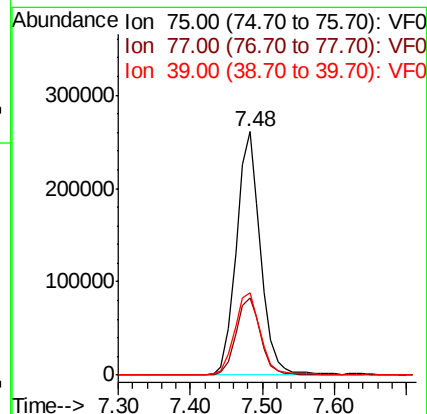
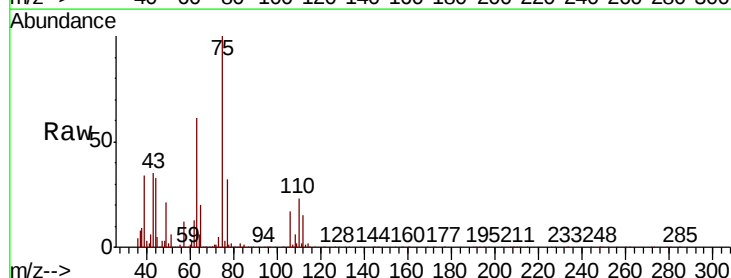
Tgt Ion: 75 Resp: 605966

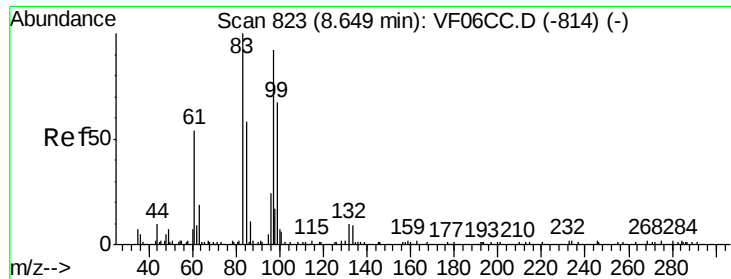
Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.8

39 33.7 28.4 42.6





#55

1,1,2-Trichloroethane

Concen: 54.974 ug/l

RT: 8.66 min Scan# 824

Delta R.T. 0.00 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 97 Resp: 278166

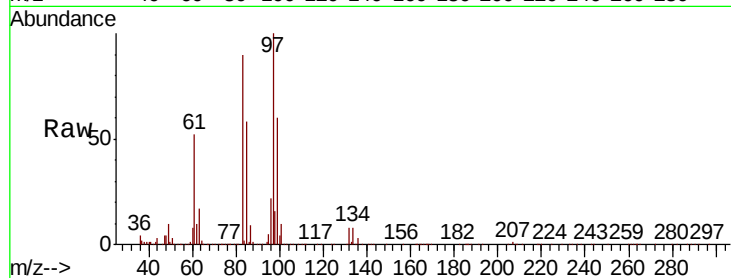
Ion Ratio Lower Upper

97 100

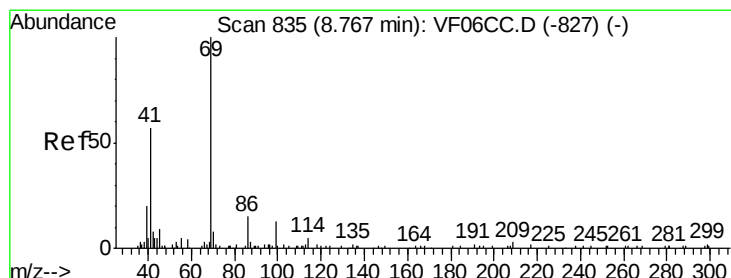
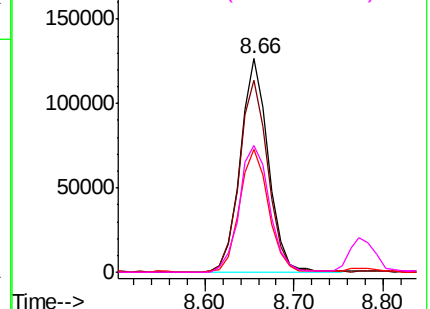
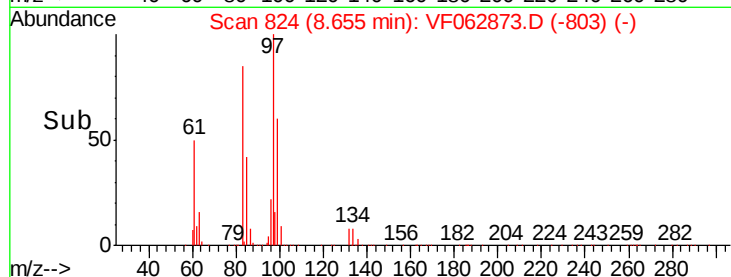
83 89.7 72.0 108.0

85 57.5 47.5 71.3

99 59.6 54.1 81.1



Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 82.95 (82.65 to 83.65): VF0
Ion 84.95 (84.65 to 85.65): VF0
Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 48.841 ug/l

RT: 8.77 min Scan# 836

Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

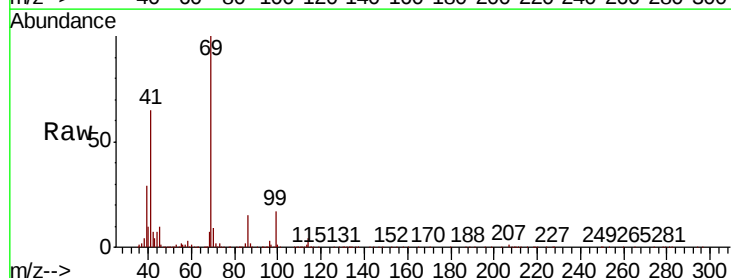
Tgt Ion: 69 Resp: 265169

Ion Ratio Lower Upper

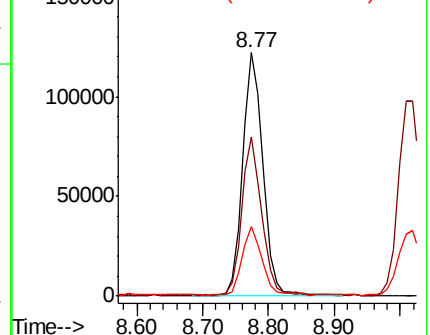
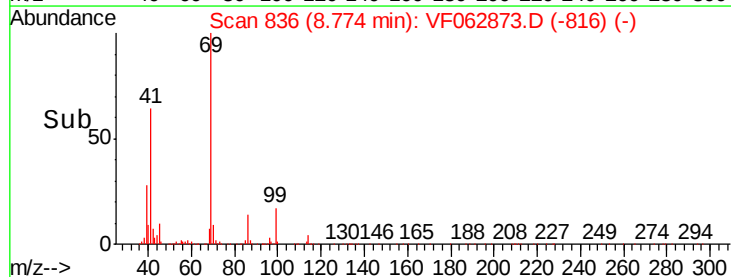
69 100

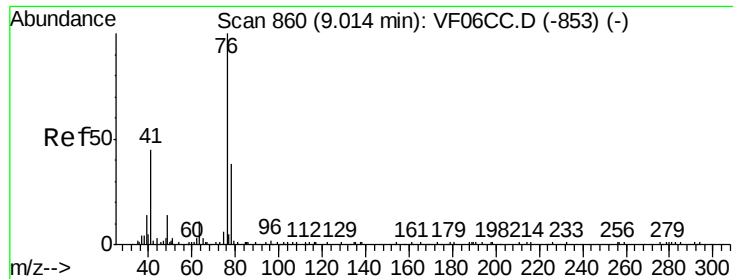
41 65.3 46.6 69.8

39 28.6 19.6 29.4



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

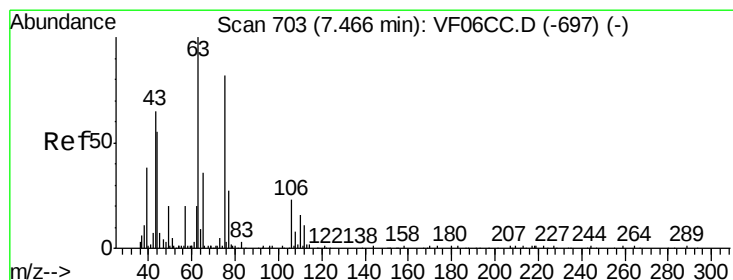
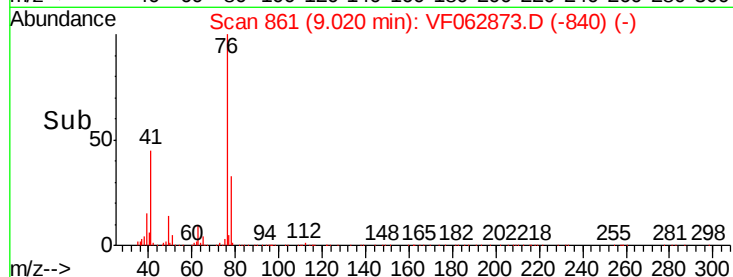
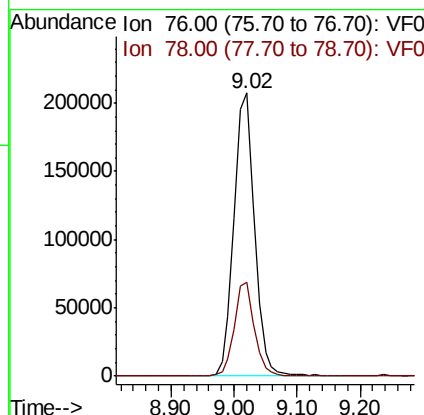
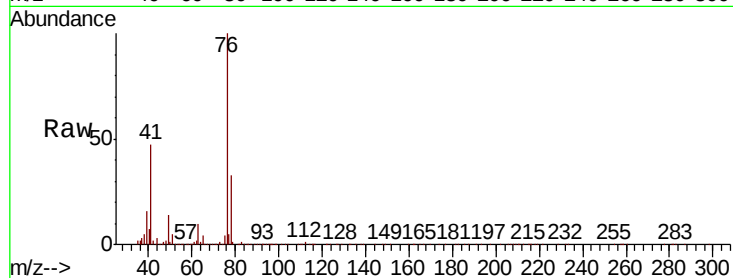




#57
 1,3-Dichloropropane
 Concen: 56.553 ug/l
 RT: 9.02 min Scan# 861
 Delta R.T. 0.00 min
 Lab File: VF062873.D
 Acq: 5 Jun 2019 18:54

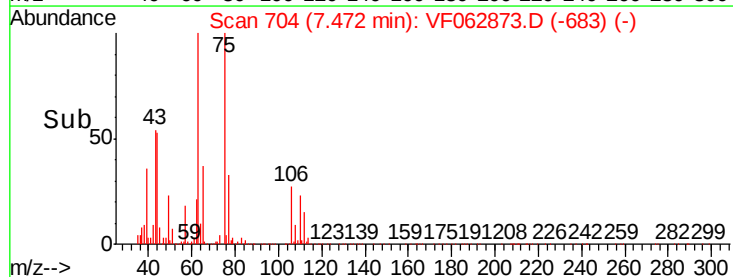
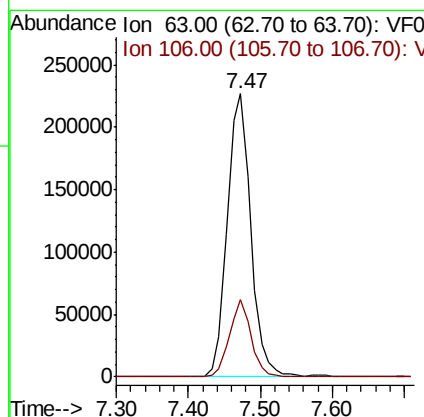
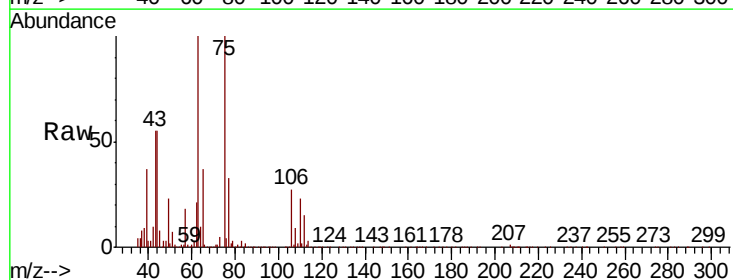
Instrument :
 MSVOA_F
 ClientSampleId :

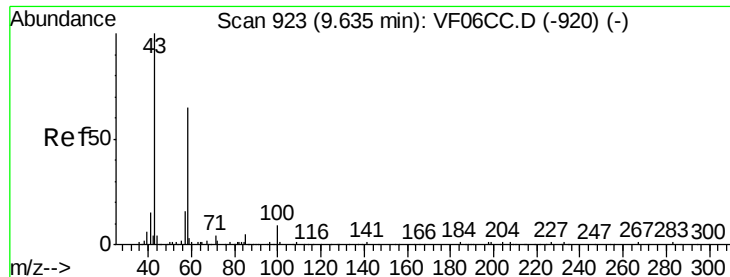
Tot Ion: 76 Resp: 467300
 Ion Ratio Lower Upper
 76 100
 78 33.3 26.8 40.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 270.548 ug/l
 RT: 7.47 min Scan# 704
 Delta R.T. 0.00 min
 Lab File: VF062873.D
 Acq: 5 Jun 2019 18:54

Tgt Ion: 63 Resp: 513351
 Ion Ratio Lower Upper
 63 100
 106 27.3 19.5 29.3

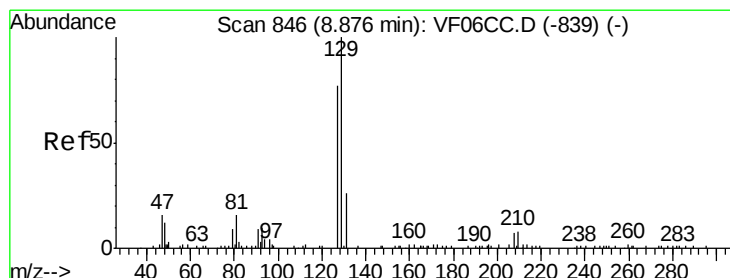
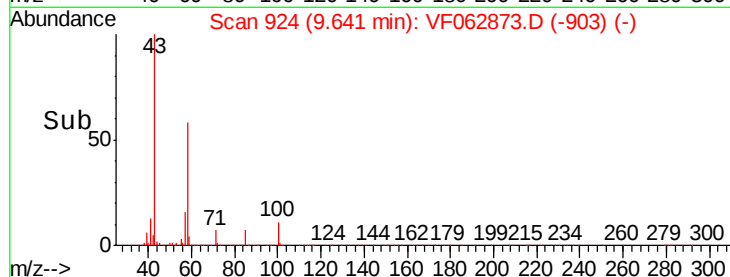
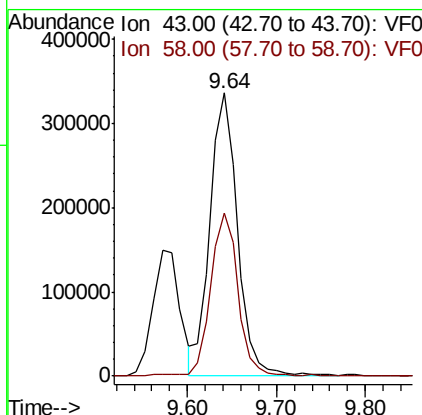
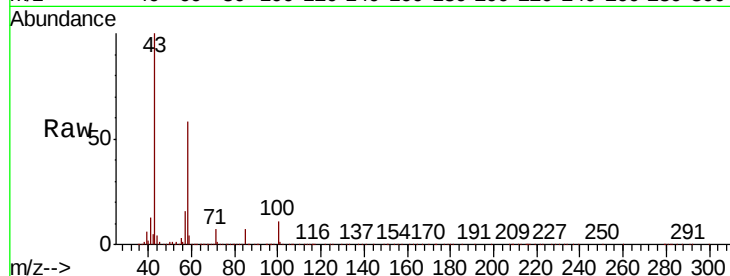




#59
2-Hexanone
Concen: 259.348 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

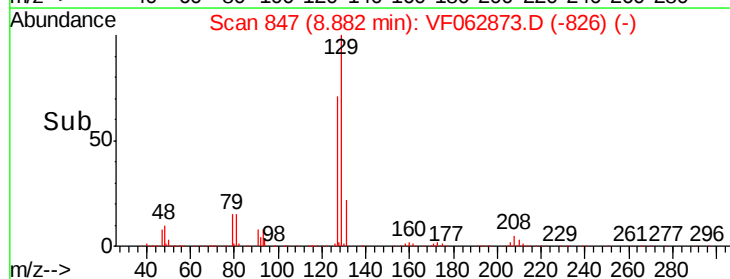
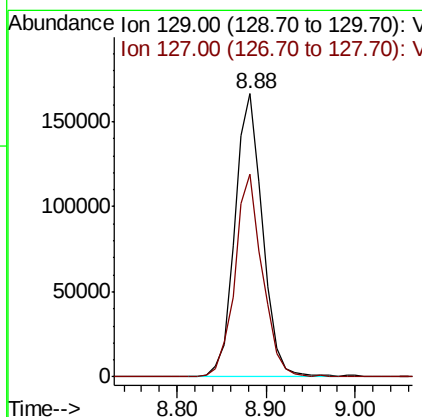
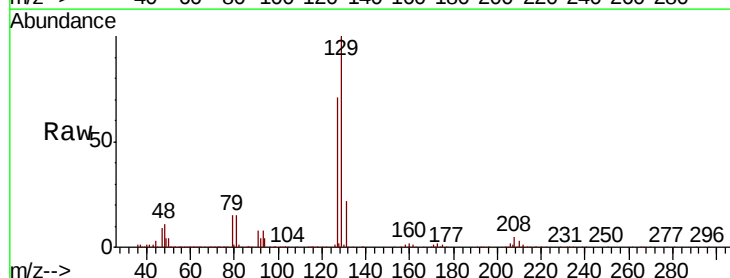
Instrument :
MSVOA_F
ClientSampleId :

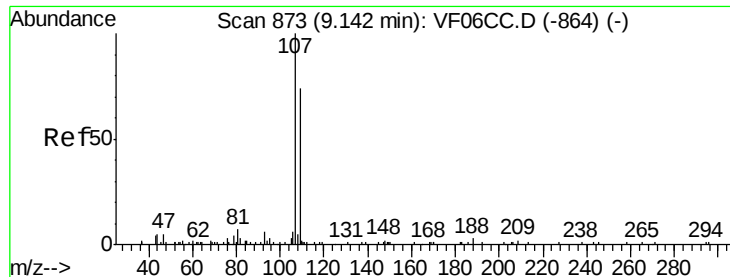
Tot Ion: 43 Resp: 720083
Ion Ratio Lower Upper
43 100
58 57.8 29.3 87.9



#60
Dibromochloromethane
Concen: 57.483 ug/l
RT: 8.88 min Scan# 847
Delta R.T. 0.00 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Tgt Ion: 129 Resp: 360104
Ion Ratio Lower Upper
129 100
127 71.5 37.1 111.3





#61

1,2-Dibromoethane

Concen: 54.907 ug/l

RT: 9.15 min Scan# 874

Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

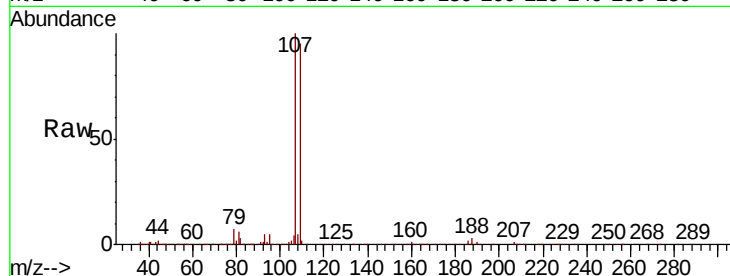
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:107 Resp: 288541

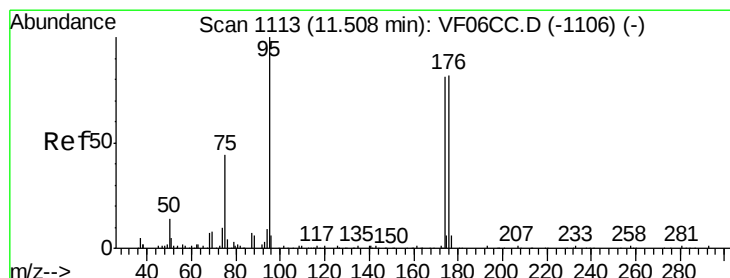
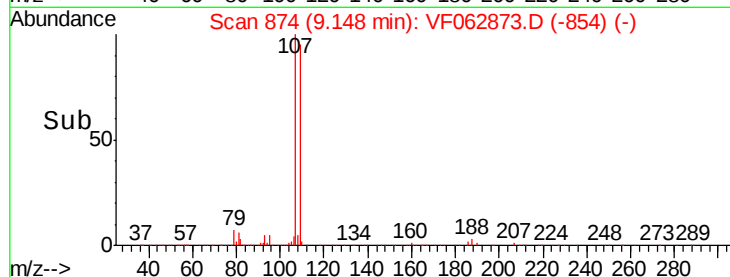
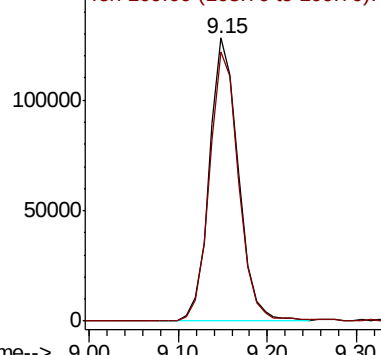
Ion Ratio Lower Upper

107 100

109 94.9 78.1 117.1



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



#62

4-Bromofluorobenzene

Concen: 51.324 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

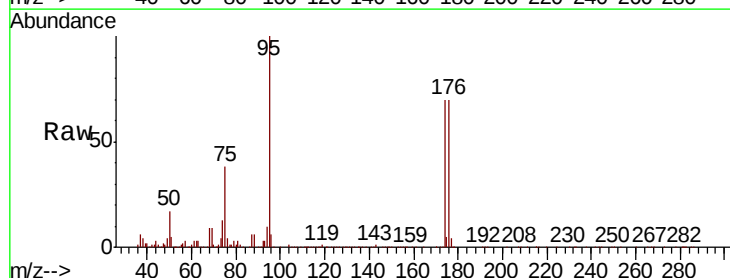
Tgt Ion: 95 Resp: 414056

Ion Ratio Lower Upper

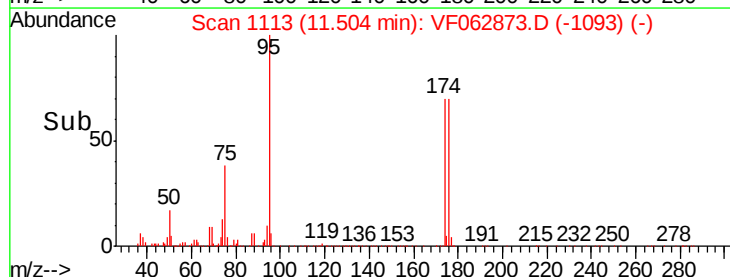
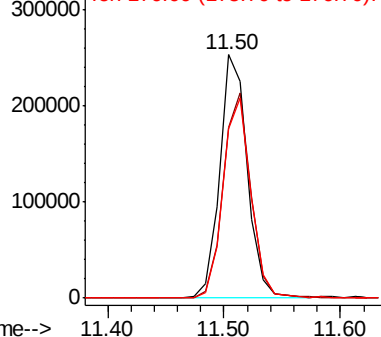
95 100

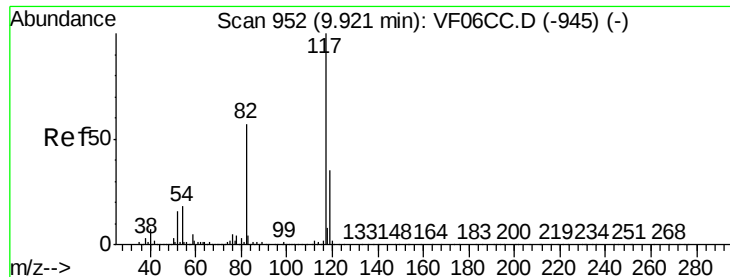
174 70.0 0.0 170.6

176 69.6 0.0 170.6



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

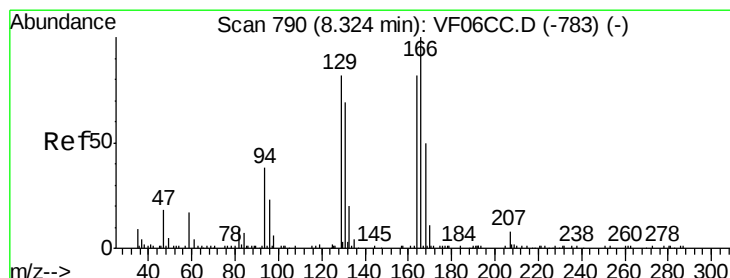
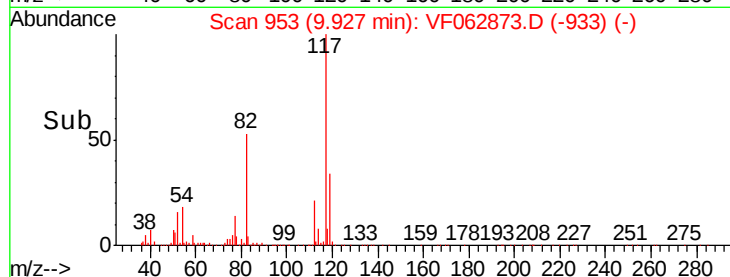
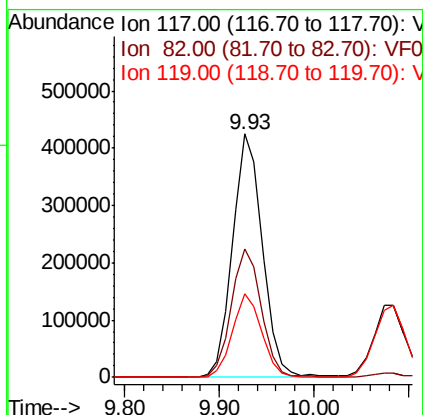
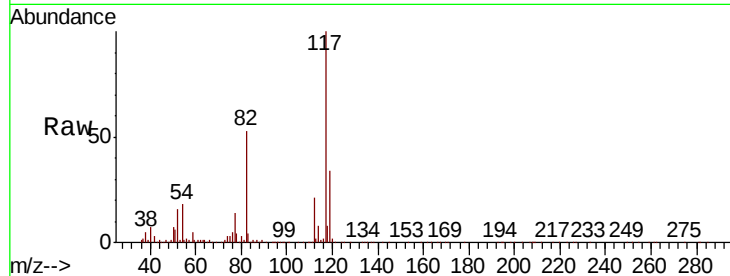




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

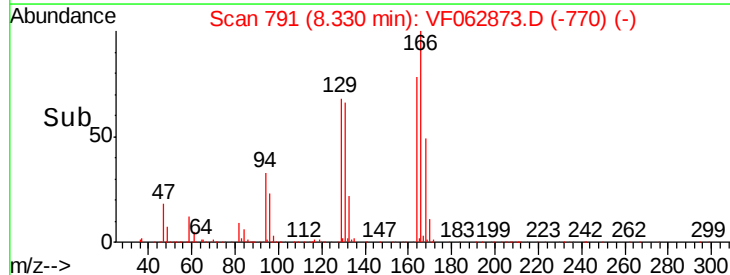
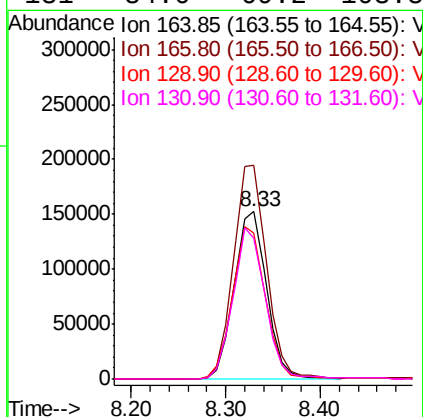
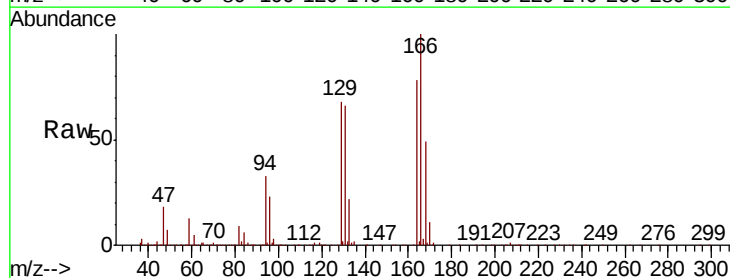
Instrument :
MSVOA_F
ClientSampled :

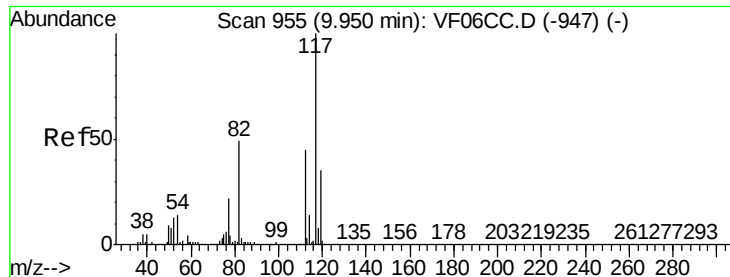
Tot Ion:117 Resp: 928953
Ion Ratio Lower Upper
117 100
82 52.7 42.4 63.6
119 34.4 27.1 40.7



#64
Tetrachloroethene
Concen: 50.855 ug/l
RT: 8.33 min Scan# 791
Delta R.T. 0.00 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Tgt Ion:164 Resp: 363025
Ion Ratio Lower Upper
164 100
166 127.6 99.1 148.7
129 87.3 69.5 104.3
131 84.0 69.2 103.8

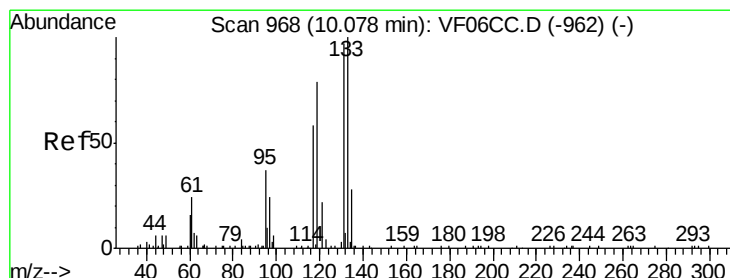
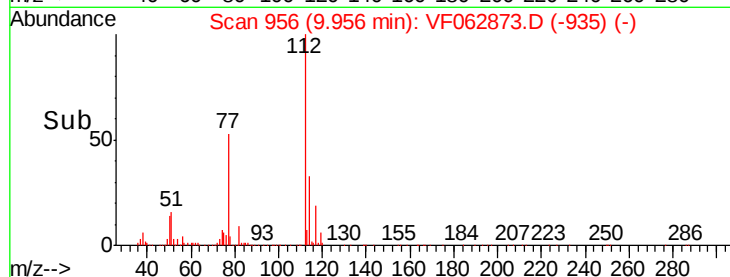
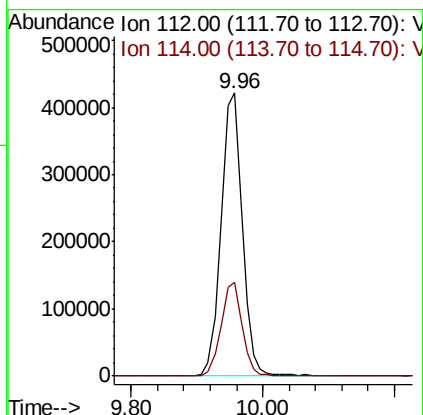
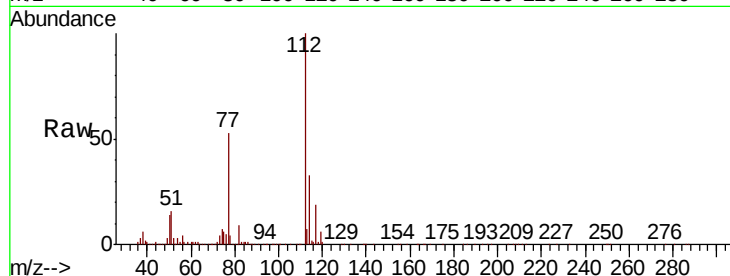




#65
Chlorobenzene
Concen: 53.314 ug/l
RT: 9.96 min Scan# 956
Delta R.T. 0.00 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

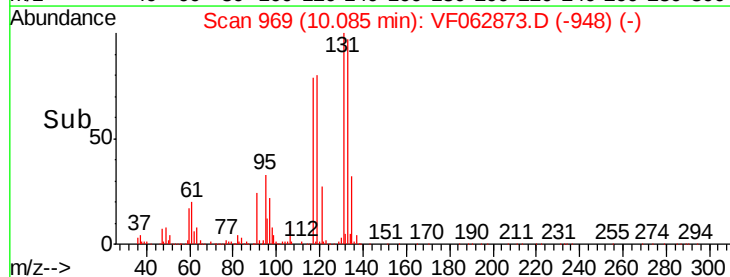
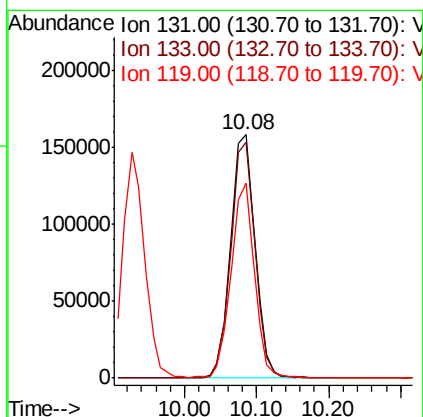
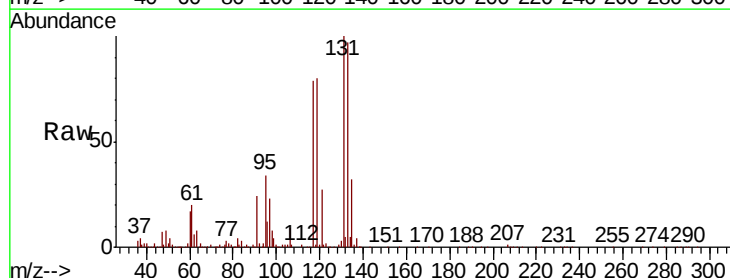
Instrument :
MSVOA_F
ClientSampled :

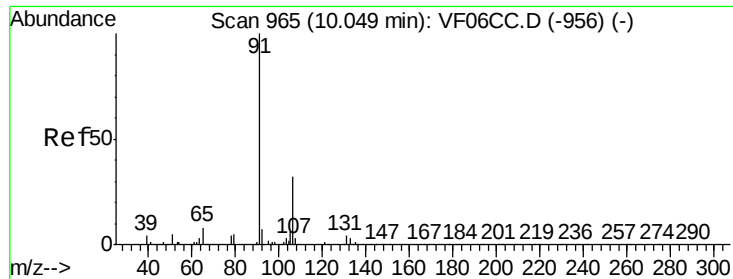
Tot Ion:112 Resp: 956433
Ion Ratio Lower Upper
112 100
114 33.1 27.4 41.0



#66
1,1,1,2-Tetrachloroethane
Concen: 52.707 ug/l
RT: 10.08 min Scan# 969
Delta R.T. 0.00 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Tgt Ion:131 Resp: 376568
Ion Ratio Lower Upper
131 100
133 97.0 48.9 146.7
119 80.2 38.0 114.0

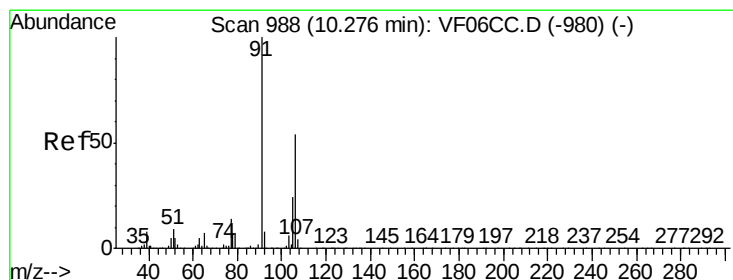
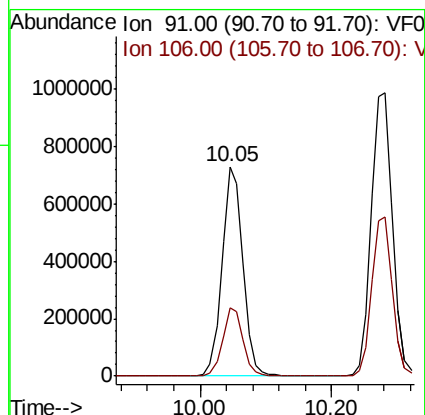
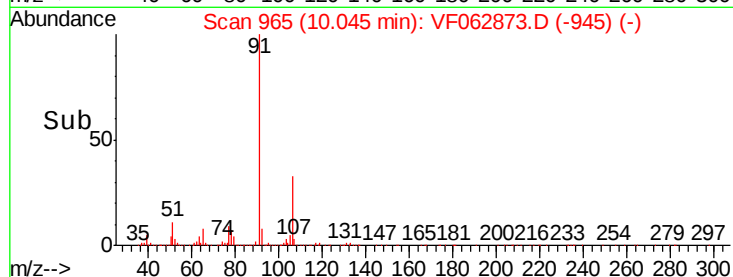
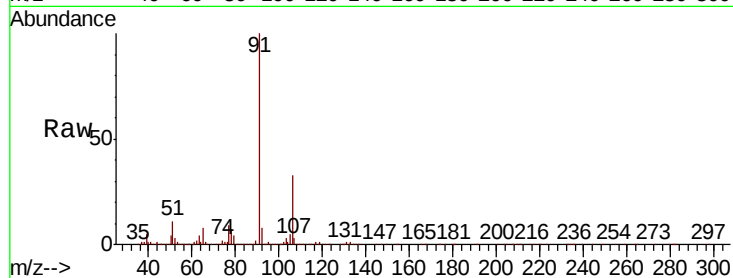




#67
Ethyl Benzene
Concen: 52.022 ug/l
RT: 10.05 min Scan# 965
Delta R.T. -0.01 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

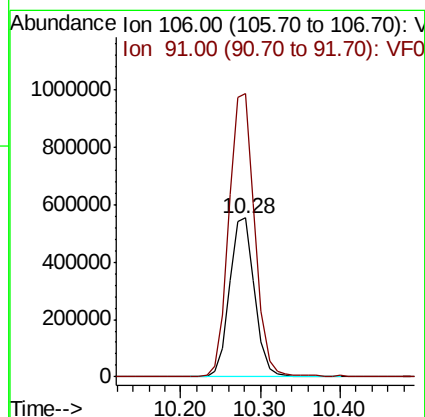
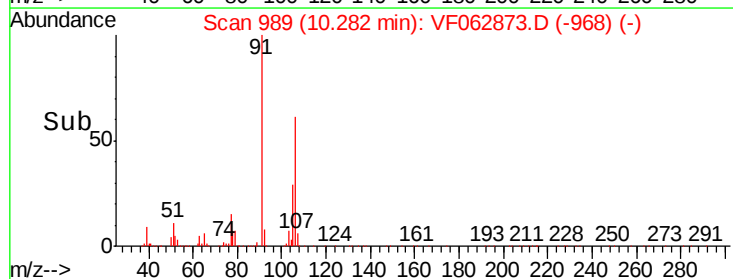
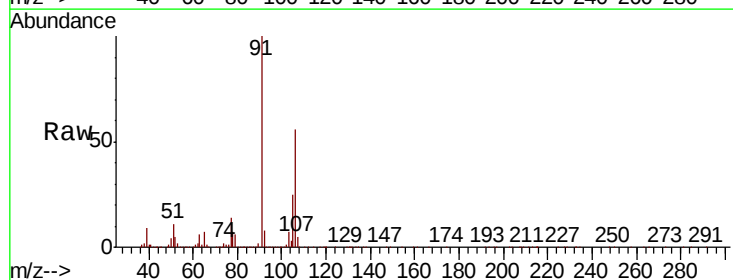
Instrument :
MSVOA_F
ClientSampleId :

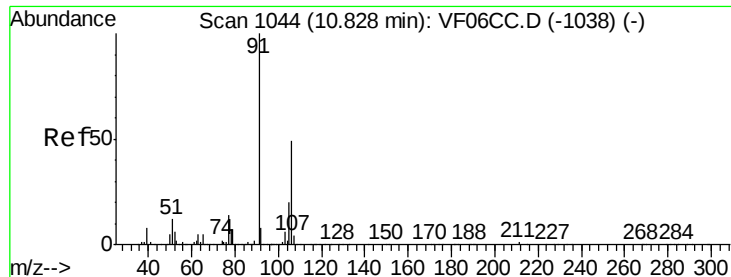
Tot Ion: 91 Resp: 1601483
Ion Ratio Lower Upper
91 100
106 32.7 26.0 39.0



#68
m/p-Xylenes
Concen: 103.269 ug/l
RT: 10.28 min Scan# 989
Delta R.T. 0.00 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Tgt Ion: 106 Resp: 1216535
Ion Ratio Lower Upper
106 100
91 177.8 136.2 204.4

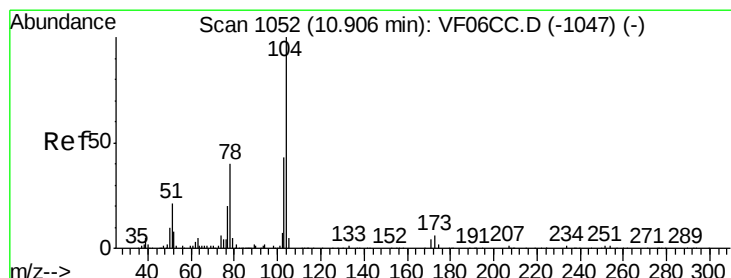
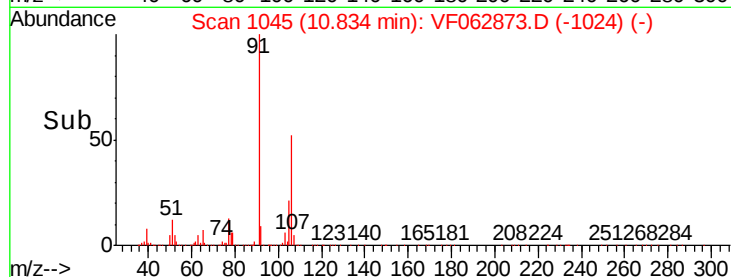
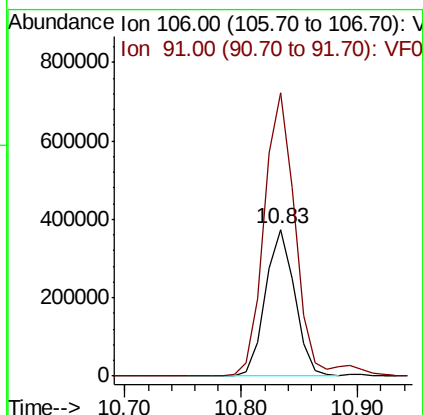
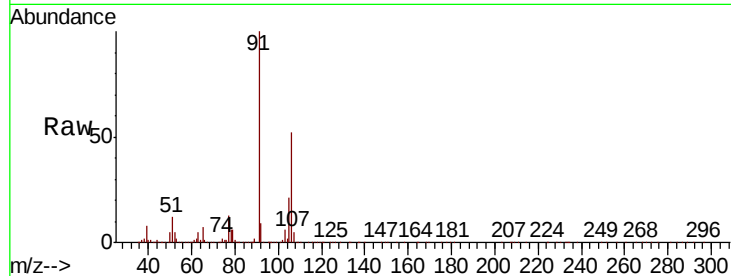




#69
o-Xylene
Concen: 54.750 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

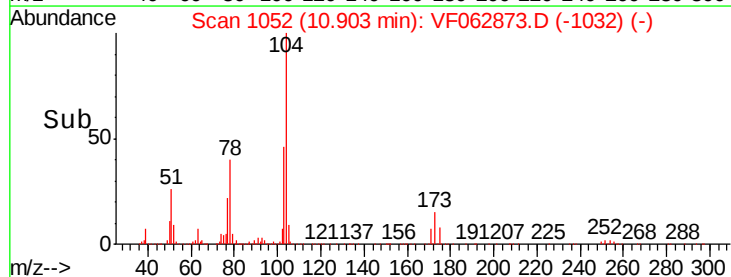
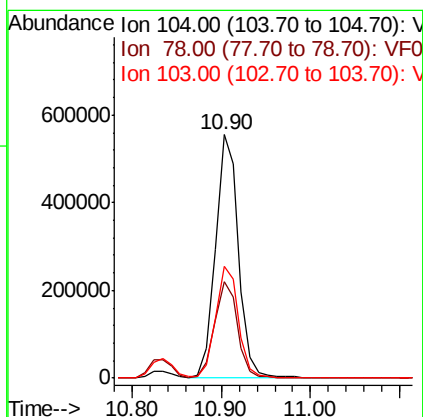
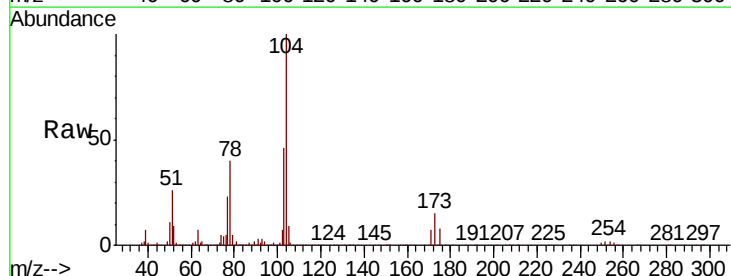
Instrument :
MSVOA_F
ClientSampleId :

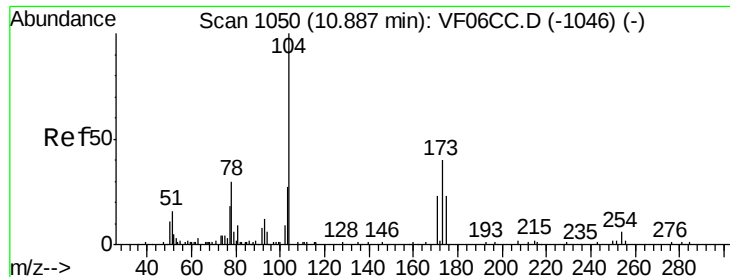
Tot Ion:106 Resp: 653007
Ion Ratio Lower Upper
106 100
91 193.2 96.6 289.8



#70
Styrene
Concen: 56.659 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Tgt Ion:104 Resp: 996057
Ion Ratio Lower Upper
104 100
78 39.7 30.8 46.2
103 46.1 35.8 53.6





#71

Bromoform

Concen: 58.215 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Instrument :

MSVOA_F

ClientSampleId :

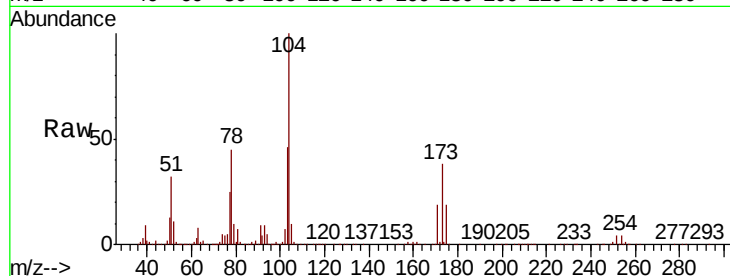
Tot Ion:173 Resp: 199523

Ion Ratio Lower Upper

173 100

175 49.1 24.6 74.0

254 0.1 0.1 0.1

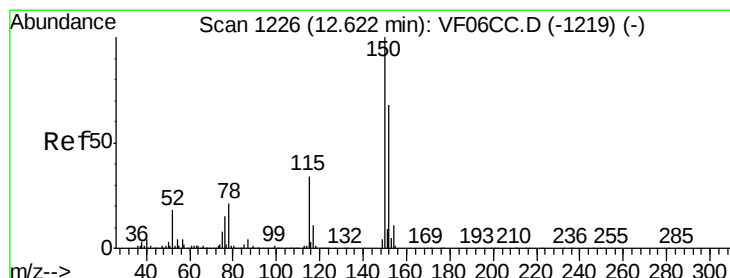
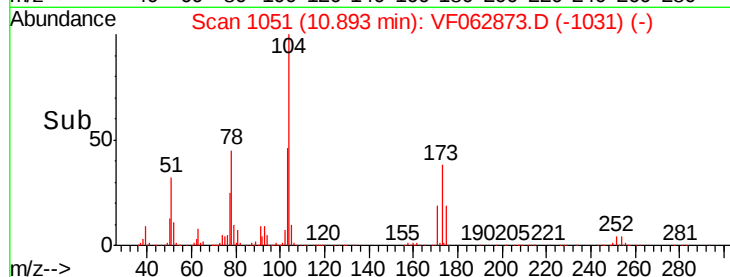
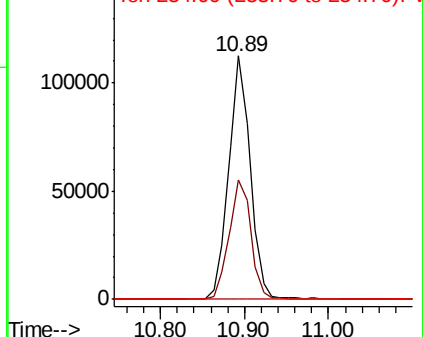


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

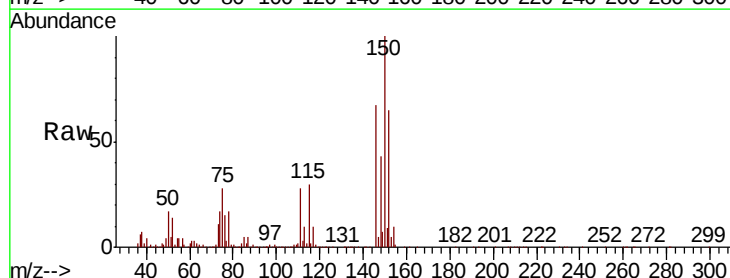
Tgt Ion:152 Resp: 467735

Ion Ratio Lower Upper

152 100

115 46.3 24.6 74.0

150 152.8 0.0 290.6

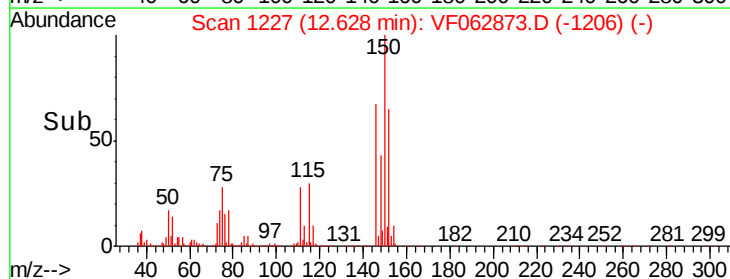
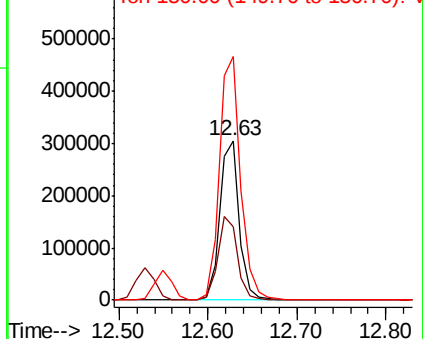


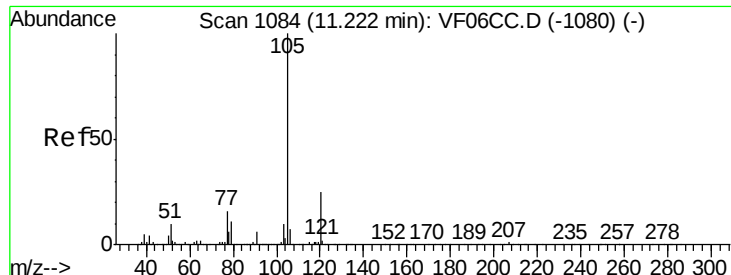
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 51.876 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Instrument :

MSVOA_F

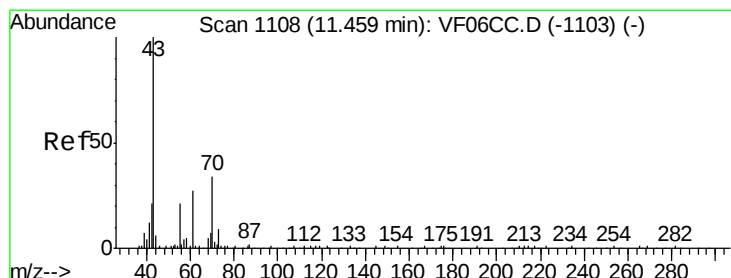
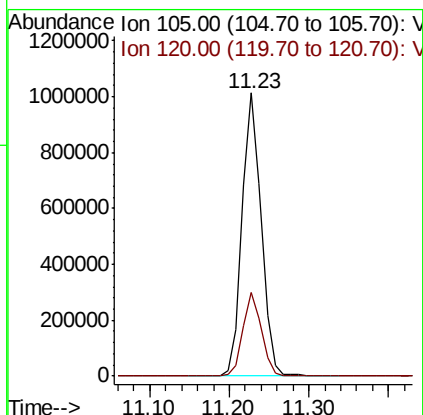
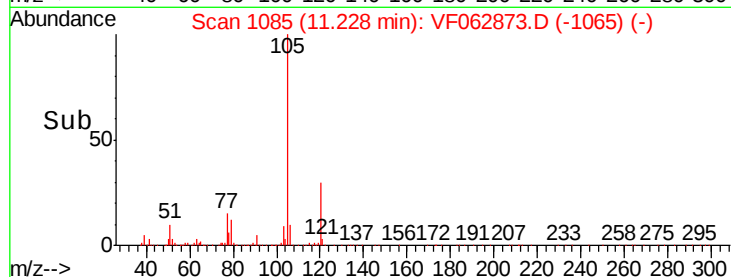
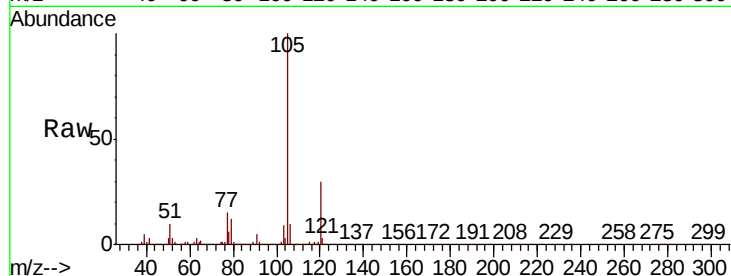
ClientSampleId :

Tot Ion:105 Resp: 1693051

Ion Ratio Lower Upper

105 100

120 29.7 15.1 45.3



#74

N-ethyl acetate

Concen: 47.119 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Tgt Ion: 43 Resp: 433423

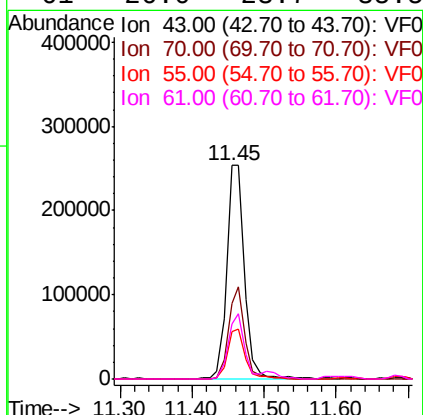
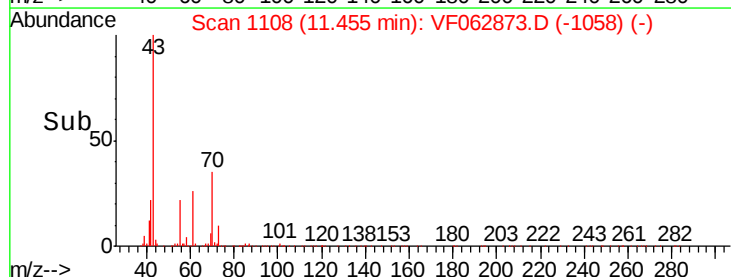
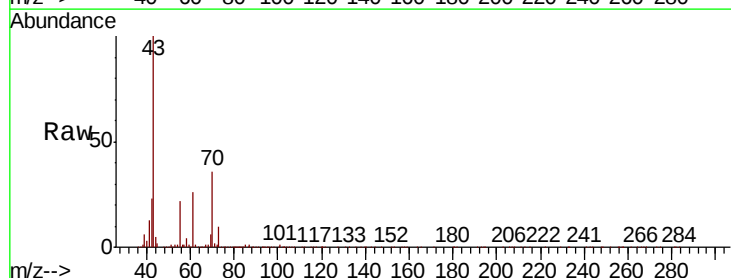
Ion Ratio Lower Upper

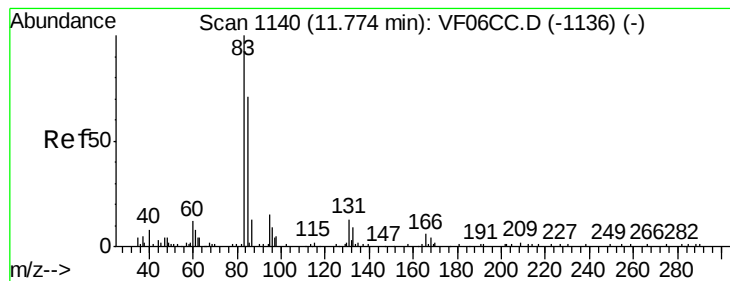
43 100

70 35.5 32.9 49.3

55 22.0 17.3 25.9

61 26.0 23.7 35.5





#75

1,1,2,2-Tetrachloroethane

Concen: 52.248 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Instrument :

MSVOA_F

ClientSampleId :

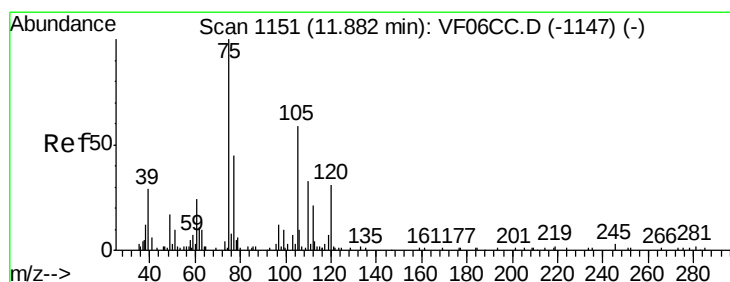
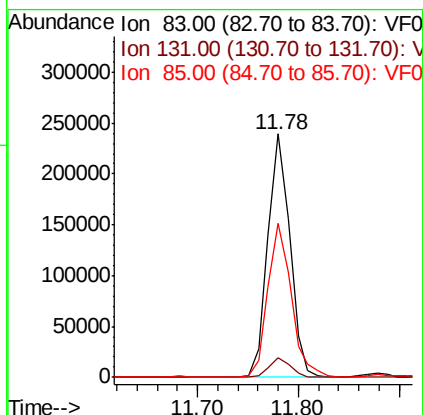
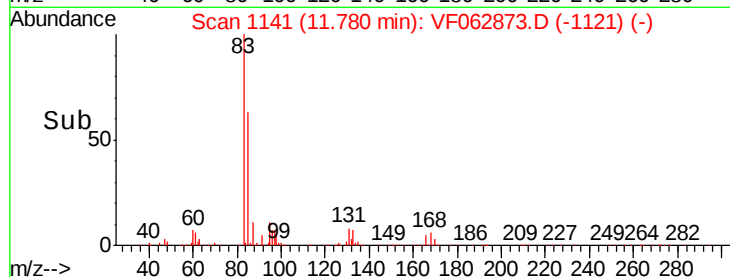
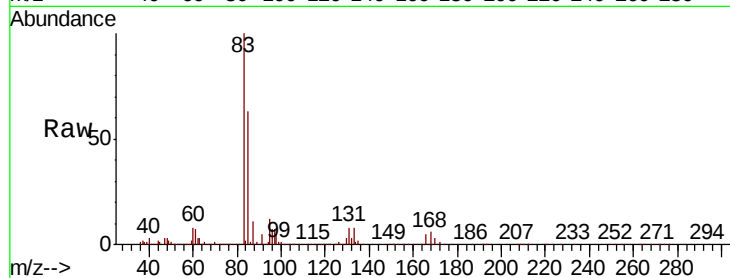
Tot Ion: 83 Resp: 364152

Ion Ratio Lower Upper

83 100

131 8.1 4.9 14.7

85 63.1 32.1 96.5



#76

1,2,3-Trichloropropane

Concen: 50.988 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VF062873.D

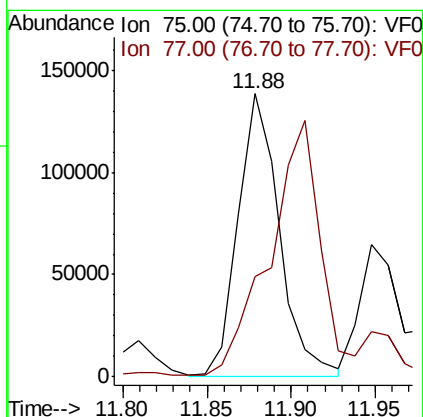
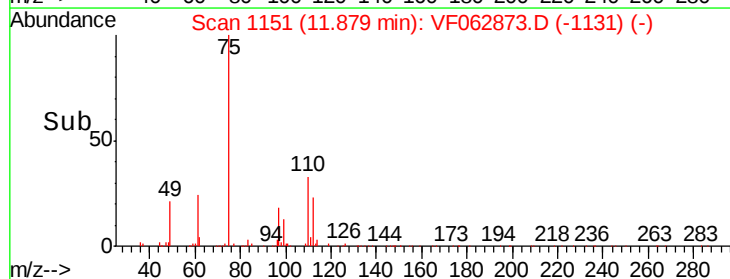
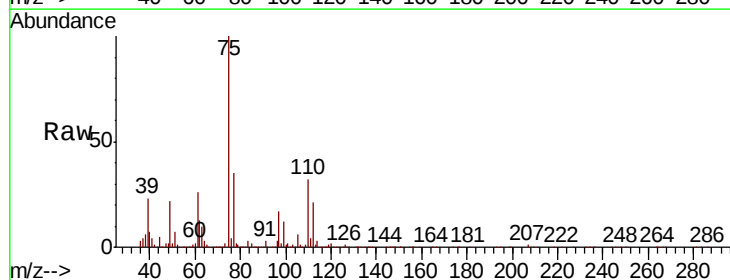
Acq: 5 Jun 2019 18:54

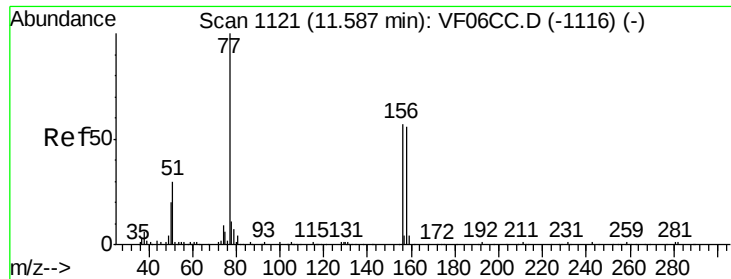
Tgt Ion: 75 Resp: 235560

Ion Ratio Lower Upper

75 100

77 35.2 20.1 60.2





#77

Bromobenzene

Concen: 49.858 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Instrument :

MSVOA_F

ClientSampleId :

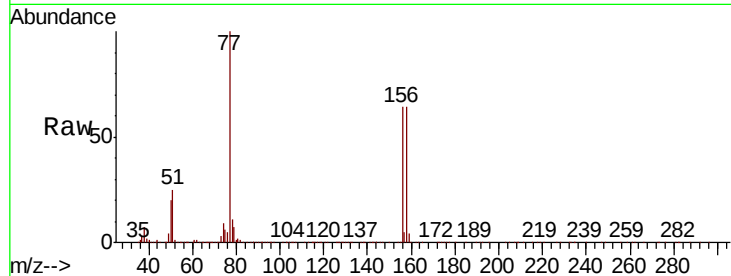
Tot Ion:156 Resp: 408850

Ion Ratio Lower Upper

156 100

77 157.0 64.2 192.6

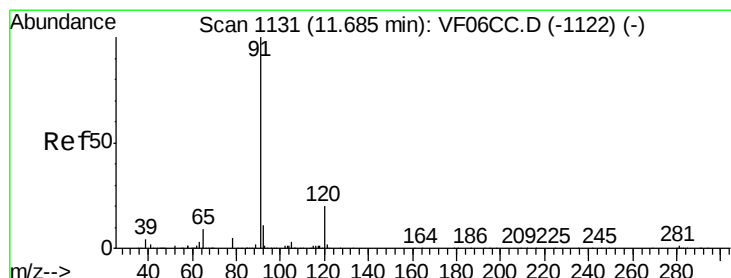
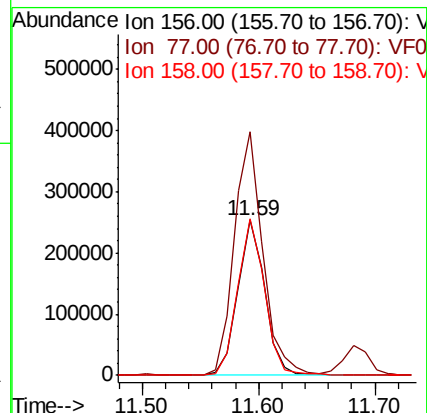
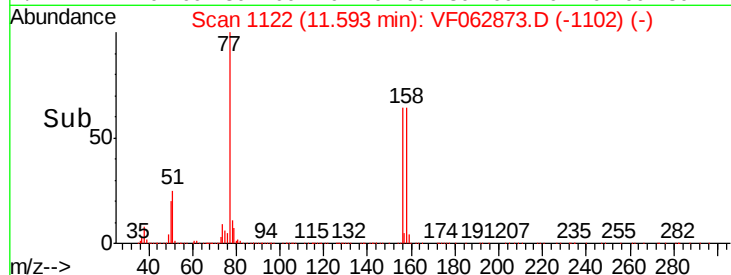
158 101.0 50.3 151.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 51.839 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF062873.D

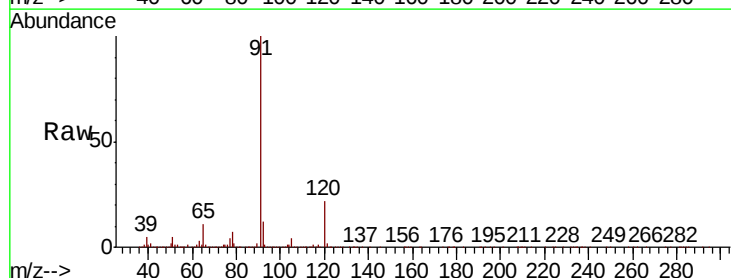
Acq: 5 Jun 2019 18:54

Tgt Ion: 91 Resp: 2042790

Ion Ratio Lower Upper

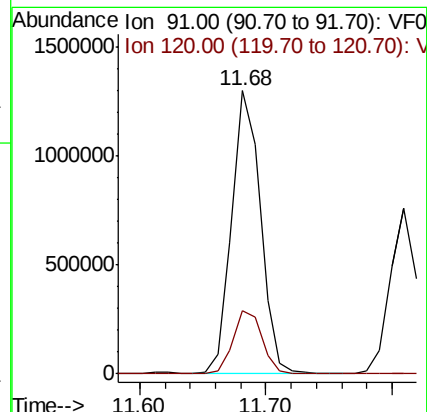
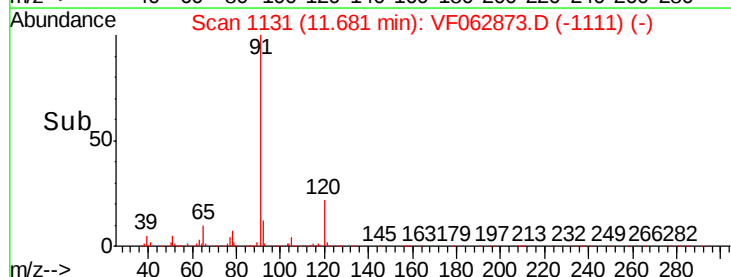
91 100

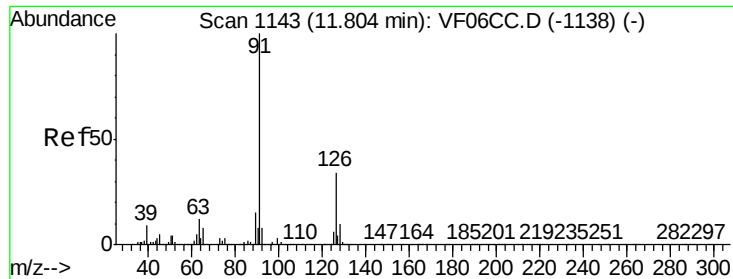
120 22.4 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

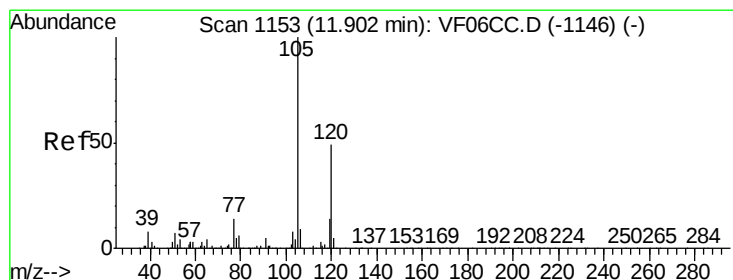
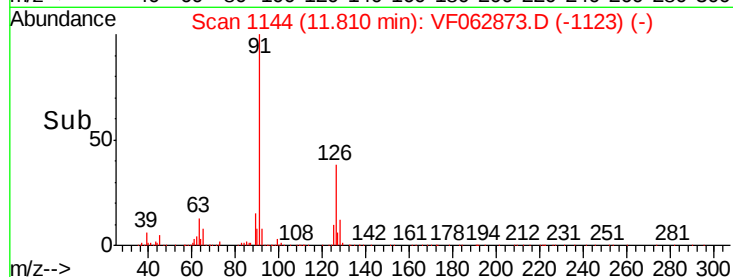
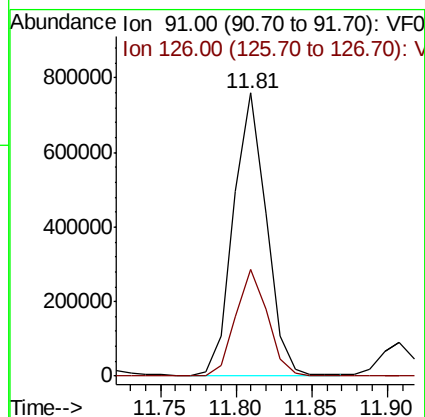
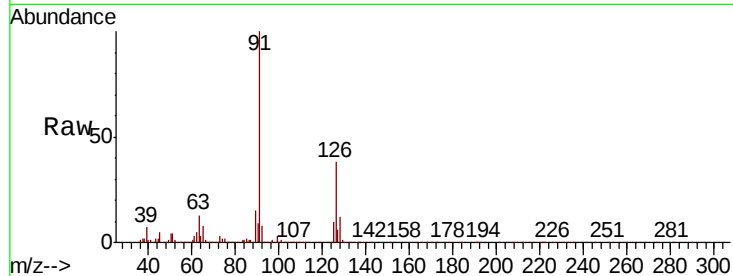




#79
2-Chlorotoluene
Concen: 50.541 ug/l
RT: 11.81 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

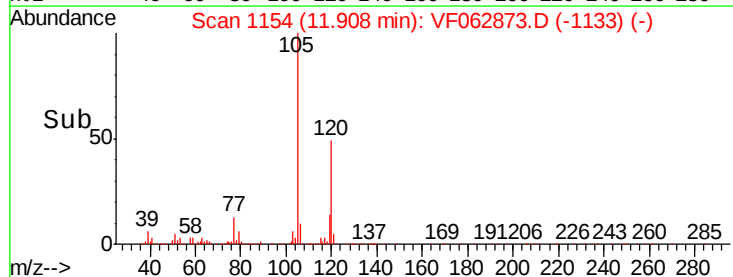
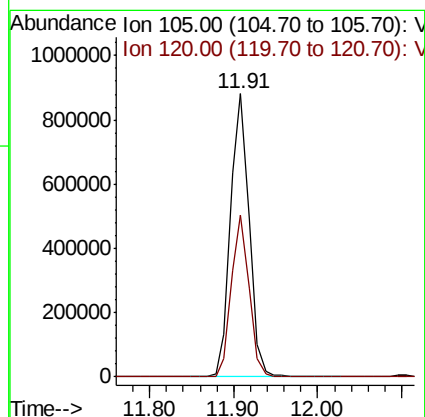
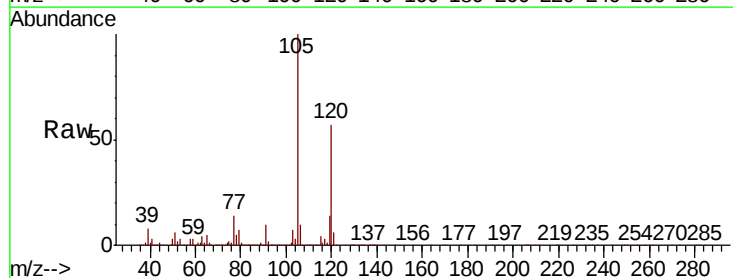
Instrument :
MSVOA_F
ClientSampleId :

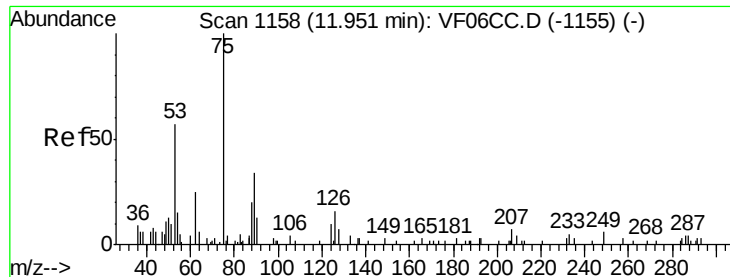
Tot Ion: 91 Resp: 1139601
Ion Ratio Lower Upper
91 100
126 37.8 17.8 53.3



#80
1,3,5-Trimethylbenzene
Concen: 50.661 ug/l
RT: 11.91 min Scan# 1154
Delta R.T. 0.00 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Tgt Ion: 105 Resp: 1352145
Ion Ratio Lower Upper
105 100
120 57.3 28.7 86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 67.271 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Instrument :

MSVOA_F

ClientSampled :

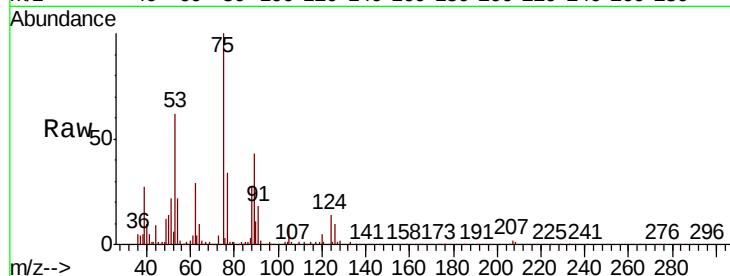
Tot Ion: 75 Resp: 131575

Ion Ratio Lower Upper

75 100

53 61.7 43.5 65.3

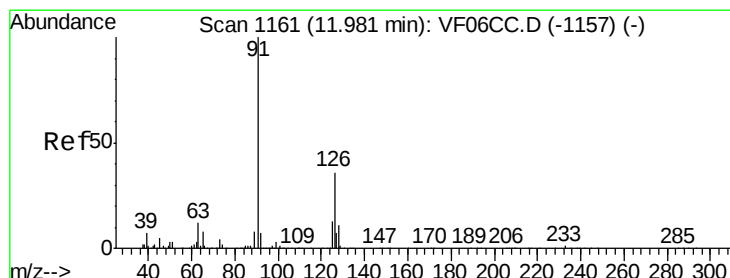
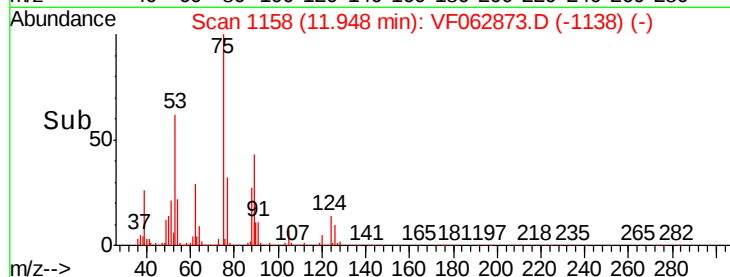
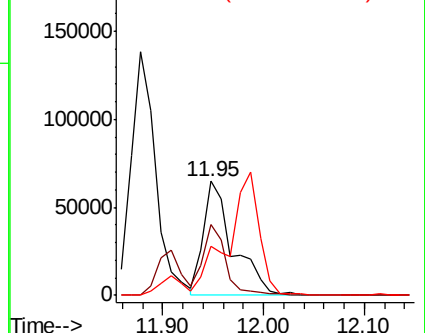
89 43.3 34.3 51.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 51.174 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF062873.D

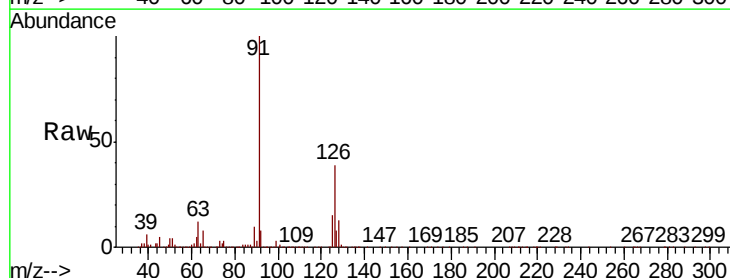
Acq: 5 Jun 2019 18:54

Tgt Ion: 91 Resp: 1133976

Ion Ratio Lower Upper

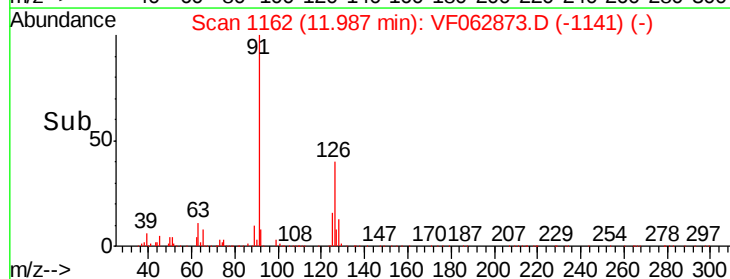
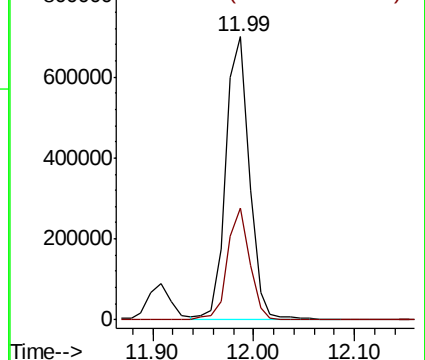
91 100

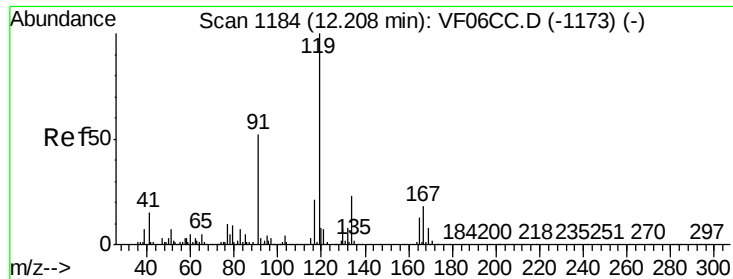
126 39.4 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

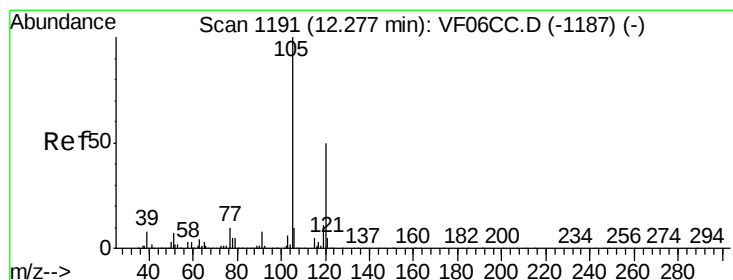
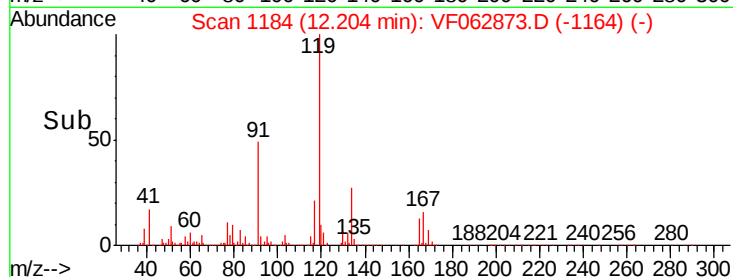
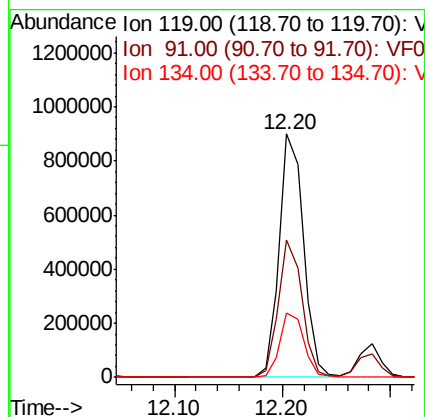
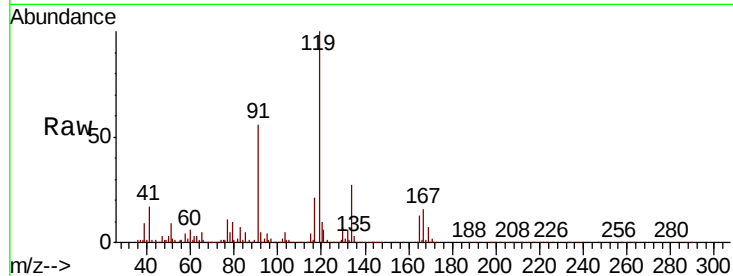




#83
tert-Butylbenzene
Concen: 53.359 ug/l
RT: 12.20 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

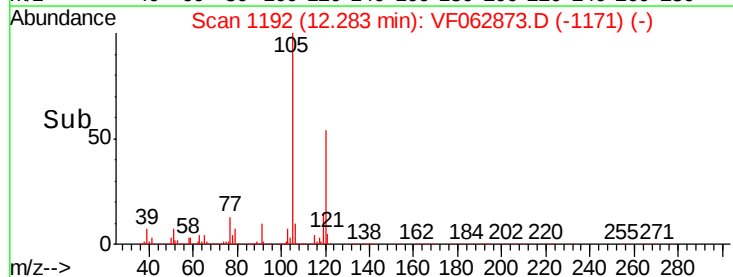
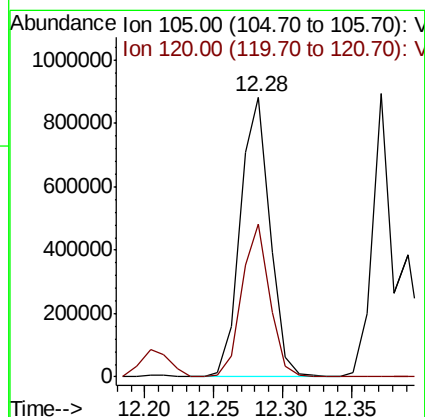
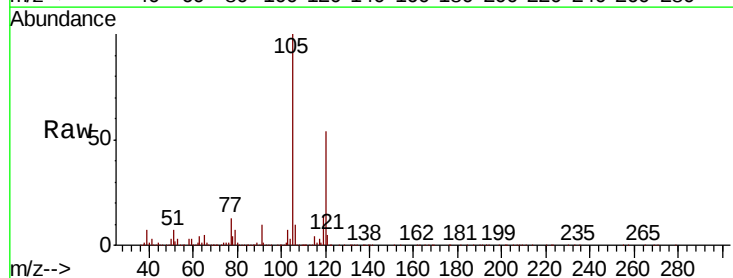
Instrument :
MSVOA_F
ClientSampleId :

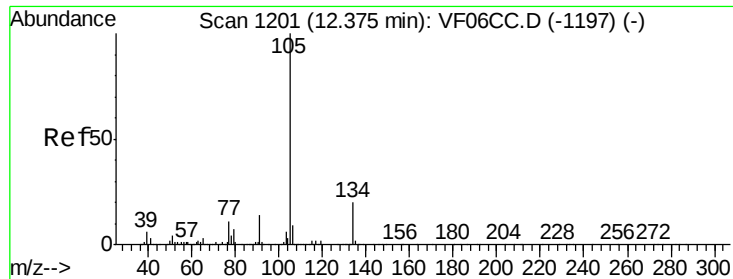
Tot Ion:119 Resp: 1411162
Ion Ratio Lower Upper
119 100
91 56.5 28.9 86.7
134 26.7 14.3 42.9



#84
1,2,4-Trimethylbenzene
Concen: 52.149 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. 0.00 min
Lab File: VF062873.D
Acq: 5 Jun 2019 18:54

Tgt Ion:105 Resp: 1319658
Ion Ratio Lower Upper
105 100
120 54.5 27.1 81.3





#85

sec-Butylbenzene

Concen: 32.218 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Instrument :

MSVOA_F

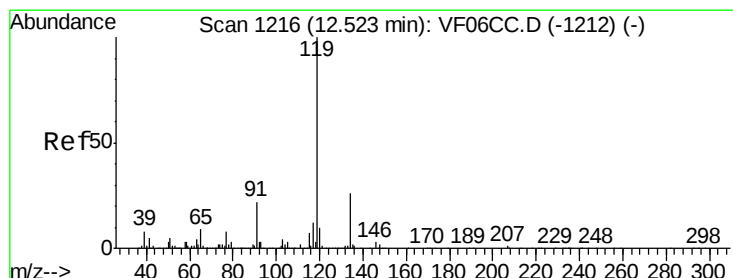
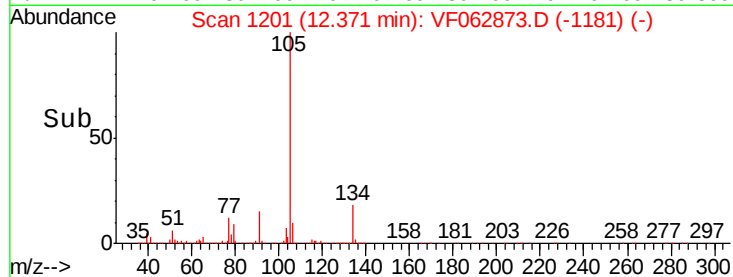
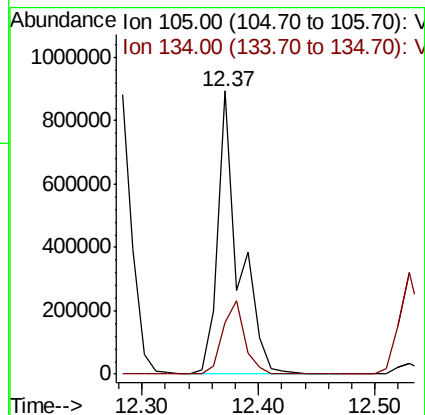
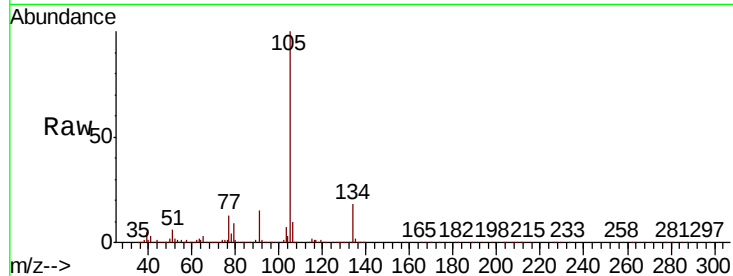
ClientSampleId :

Tot Ion:105 Resp: 1122739

Ion Ratio Lower Upper

105 100

134 18.3 10.5 31.6



#86

p-Isopropyltoluene

Concen: 52.244 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

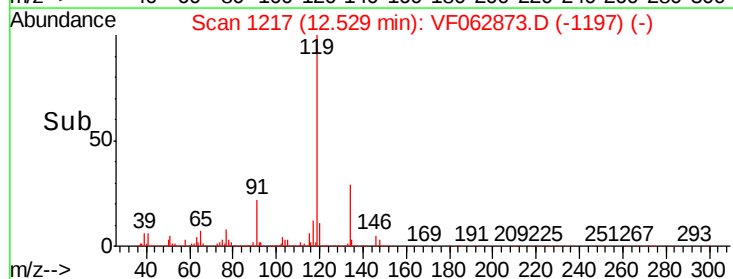
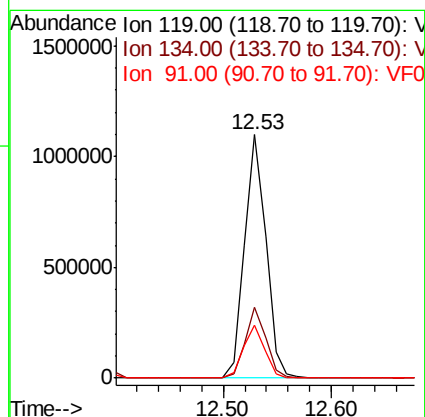
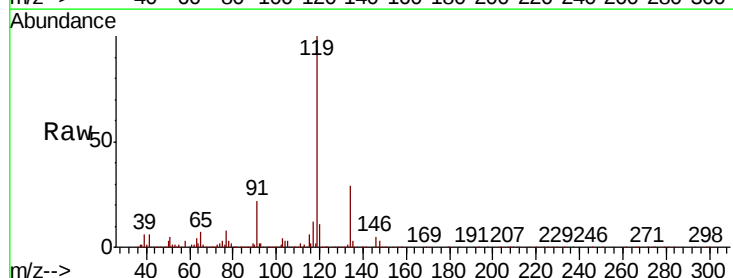
Tgt Ion:119 Resp: 1515385

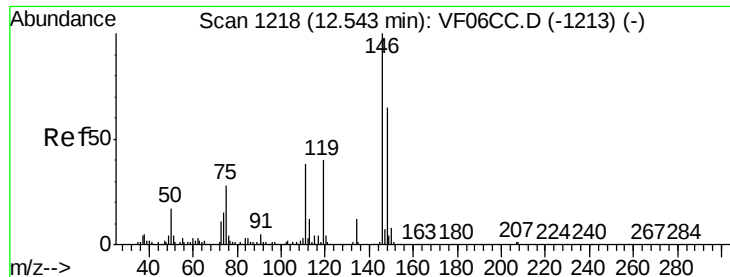
Ion Ratio Lower Upper

119 100

134 29.1 15.5 46.5

91 21.9 10.3 30.9

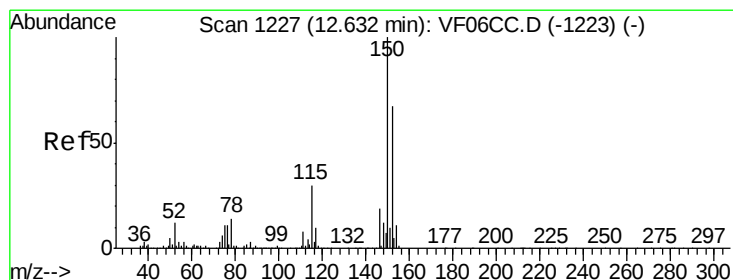
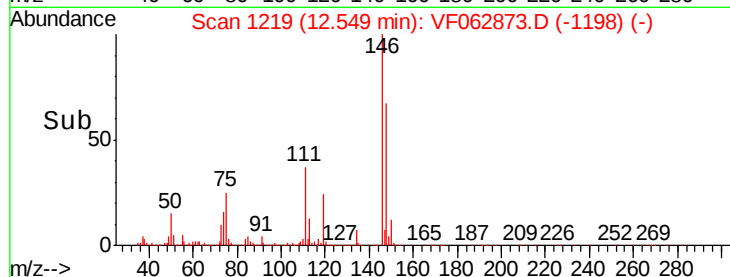
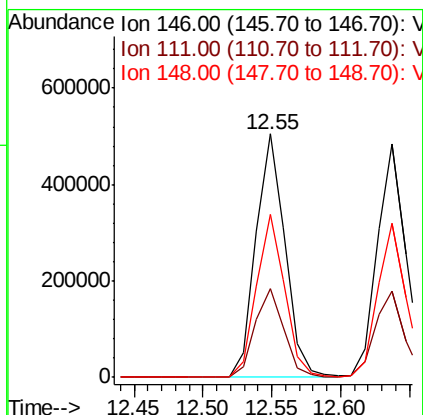
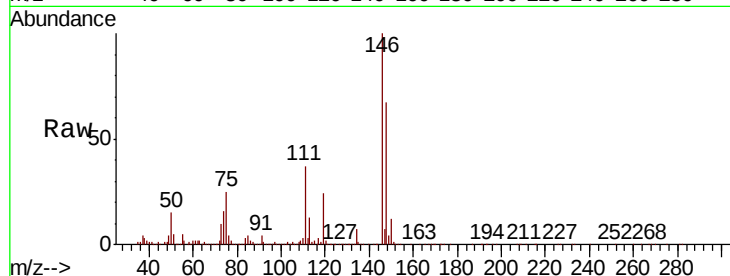




#87
 1,3-Dichlorobenzene
 Concen: 51.946 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF062873.D
 Acq: 5 Jun 2019 18:54

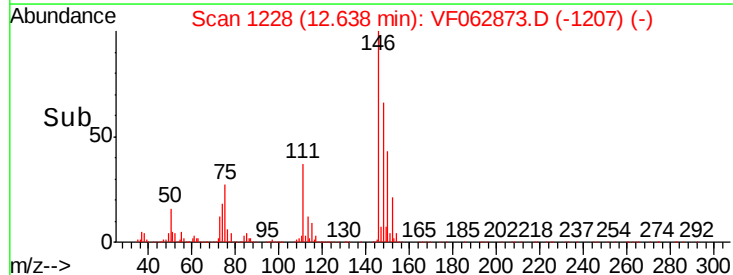
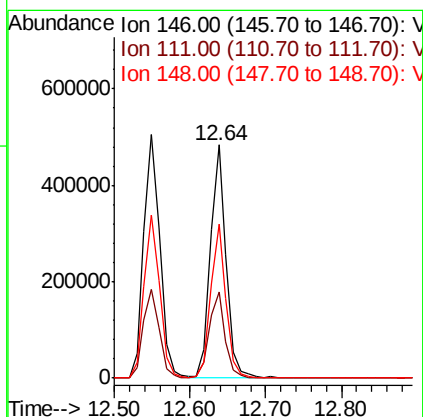
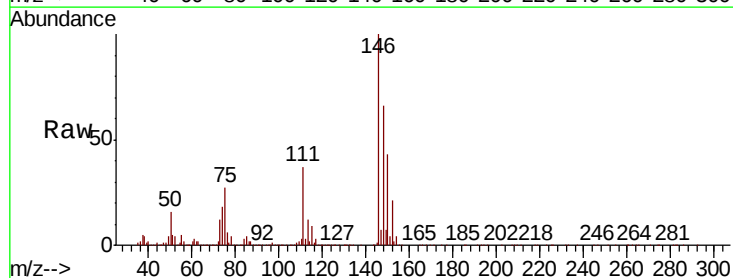
Instrument :
 MSVOA_F
 ClientSampleId :

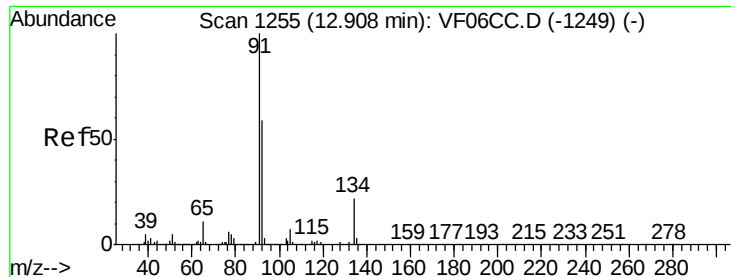
Tot Ion:146 Resp: 751248
 Ion Ratio Lower Upper
 146 100
 111 36.7 19.6 58.8
 148 67.1 34.2 102.5



#88
 1,4-Dichlorobenzene
 Concen: 52.581 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VF062873.D
 Acq: 5 Jun 2019 18:54

Tgt Ion:146 Resp: 709669
 Ion Ratio Lower Upper
 146 100
 111 37.0 20.3 60.9
 148 65.8 34.0 101.8





#89

n-Butylbenzene

Concen: 50.322 ug/l

RT: 12.90 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Instrument :

MSVOA_F

ClientSampleId :

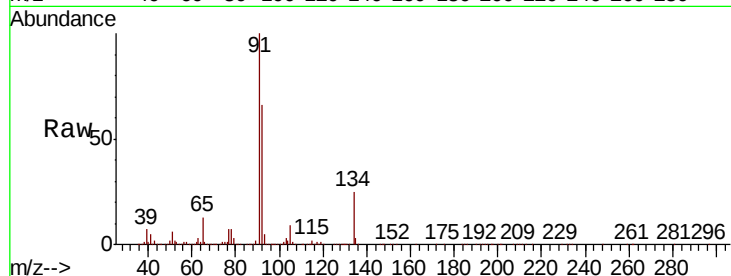
Tot Ion: 91 Resp: 1468308

Ion Ratio Lower Upper

91 100

92 65.7 34.2 102.6

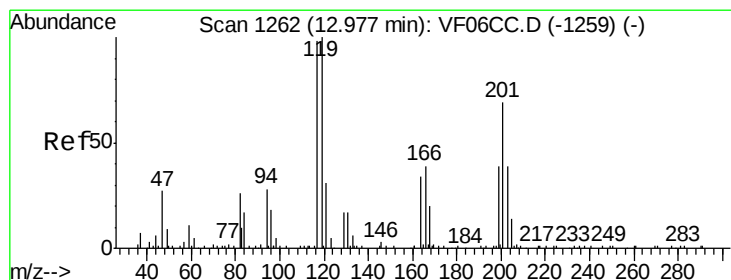
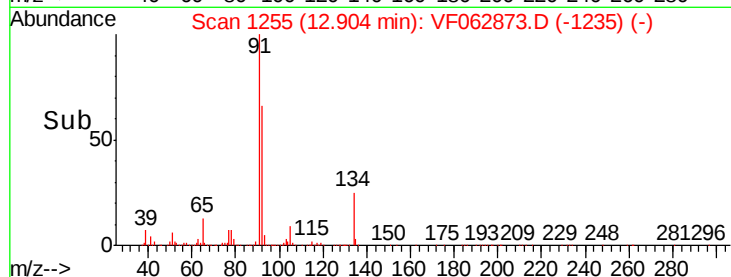
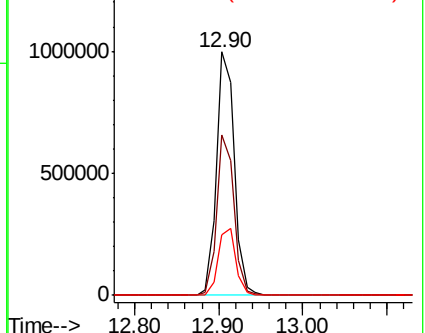
134 25.1 15.8 47.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 53.522 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VF062873.D

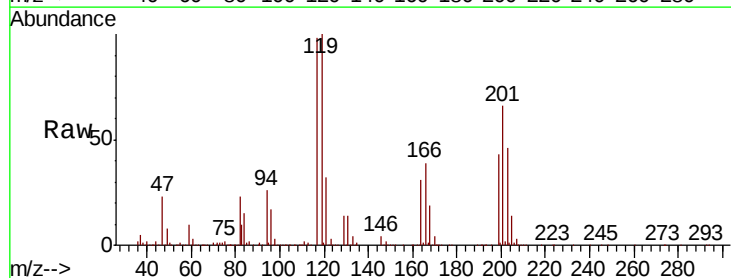
Acq: 5 Jun 2019 18:54

Tgt Ion: 117 Resp: 378642

Ion Ratio Lower Upper

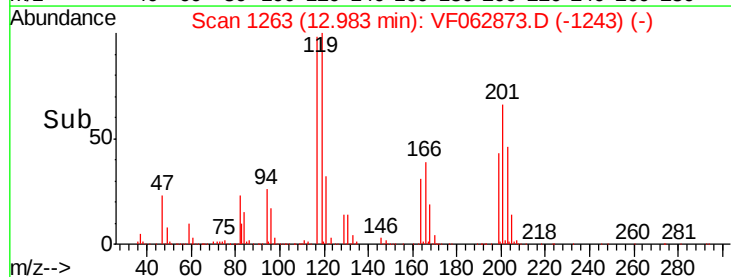
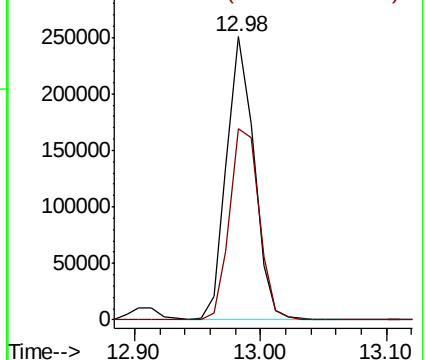
117 100

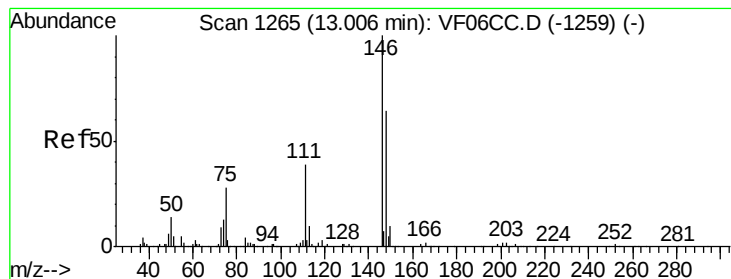
201 69.6 38.9 116.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 50.326 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Instrument :

MSVOA_F

ClientSampleId :

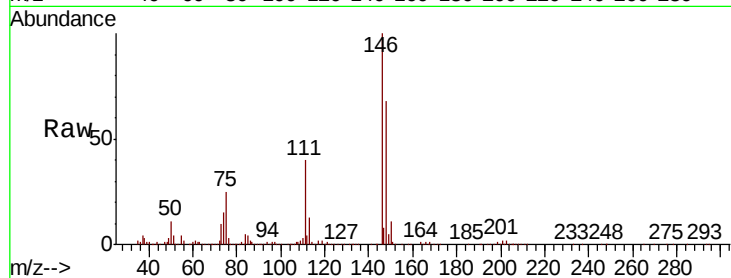
Tot Ion:146 Resp: 639711

Ion Ratio Lower Upper

146 100

111 39.7 20.4 61.3

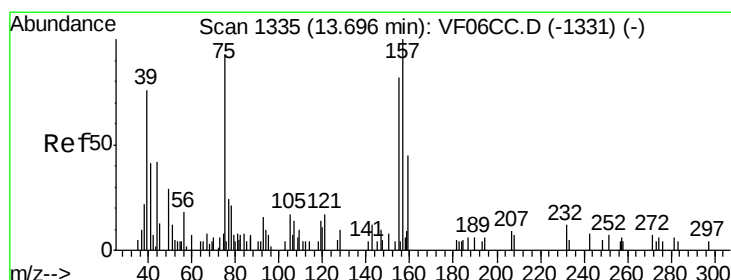
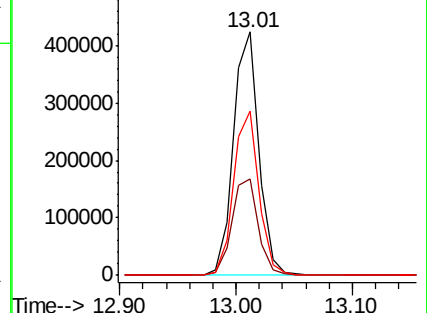
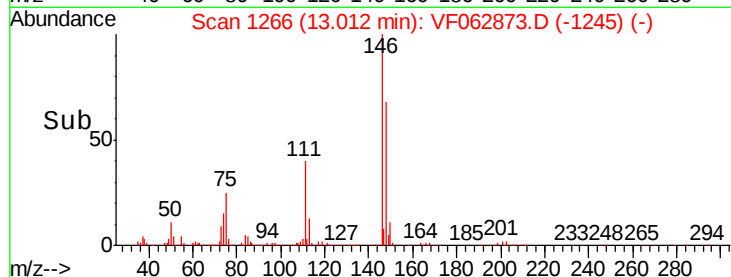
148 67.7 34.1 102.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.626 ug/l

RT: 13.70 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

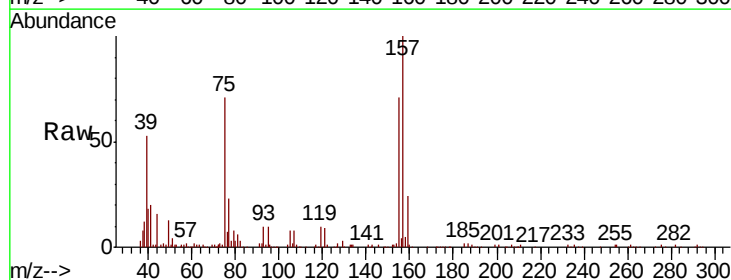
Tgt Ion: 75 Resp: 38441

Ion Ratio Lower Upper

75 100

155 99.7 51.7 155.1

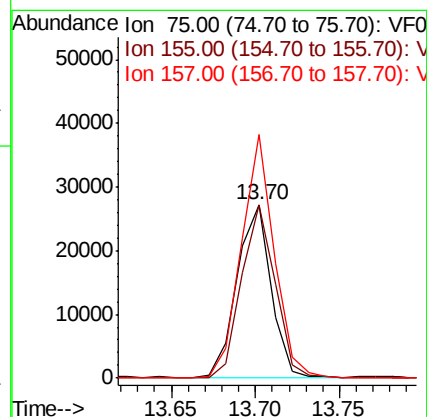
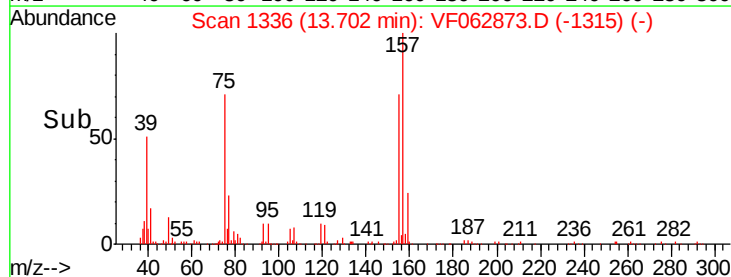
157 140.2 66.8 200.6

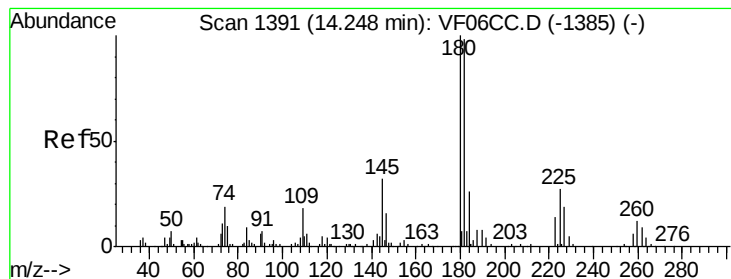


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#93

1,2,4-Trichlorobenzene

Concen: 48.892 ug/l

RT: 14.25 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Instrument :

MSVOA_F

ClientSampleId :

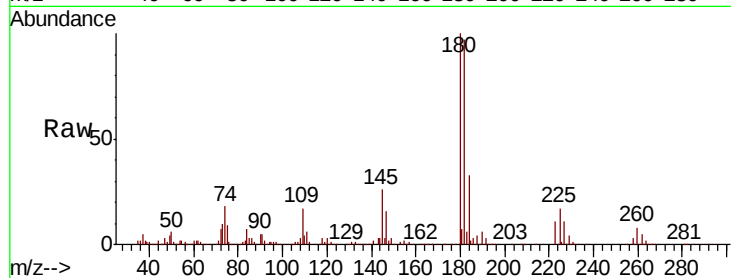
Tot Ion:180 Resp: 426719

Ion Ratio Lower Upper

180 100

182 96.6 50.3 150.9

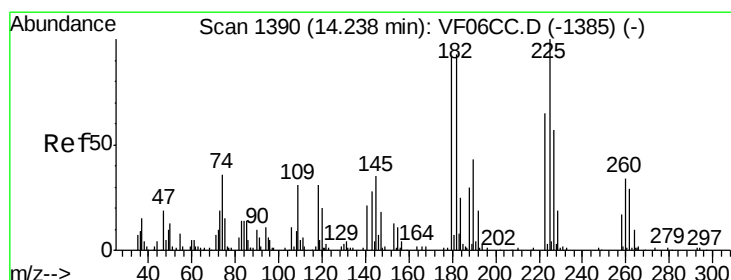
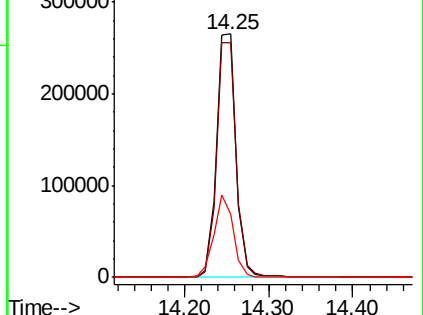
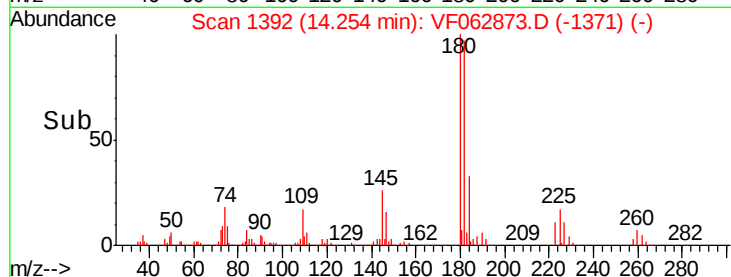
145 26.1 15.4 46.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94

Hexachlorobutadiene

Concen: 49.320 ug/l

RT: 14.23 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

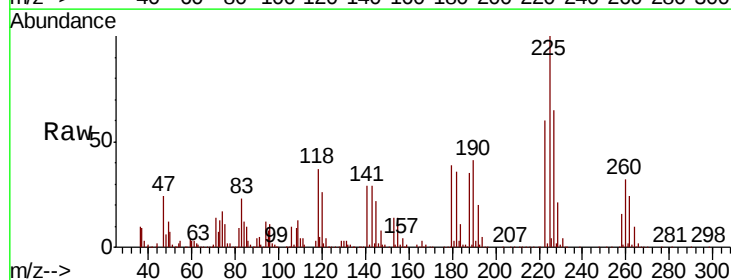
Tgt Ion:225 Resp: 297791

Ion Ratio Lower Upper

225 100

223 59.8 30.8 92.4

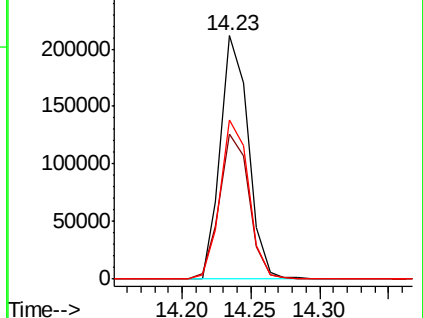
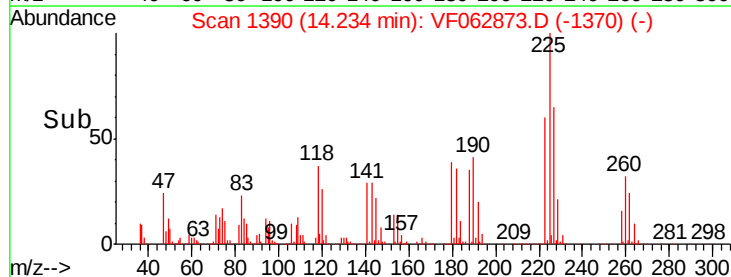
227 65.2 31.9 95.5

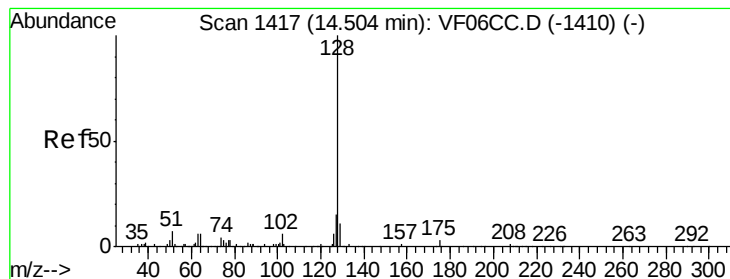


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 49.900 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.01 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

Instrument :

MSVOA_F

ClientSampleId :

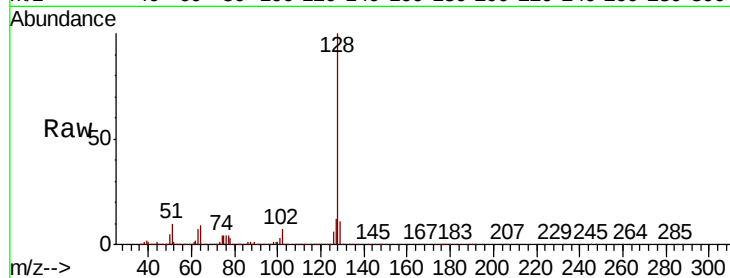
Tot Ion:128 Resp: 713508

Ion Ratio Lower Upper

128 100

127 11.9 9.7 14.5

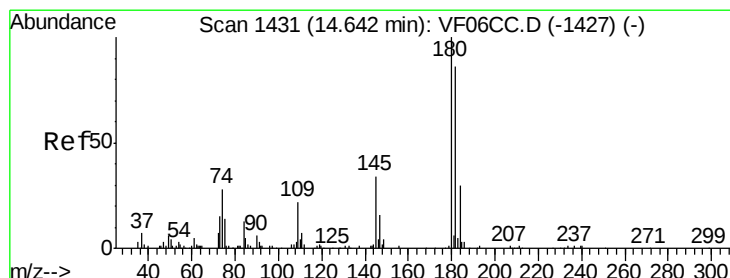
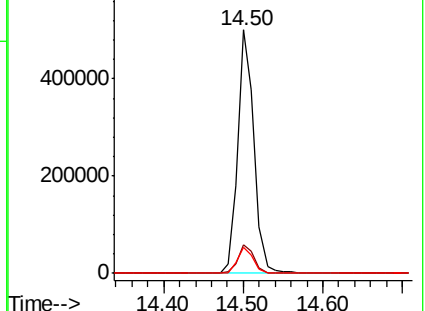
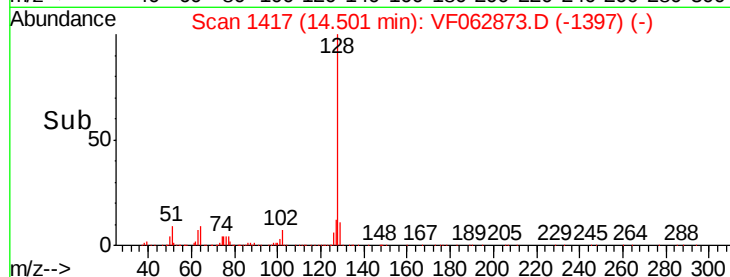
129 10.9 9.4 14.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.180 ug/l

RT: 14.65 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VF062873.D

Acq: 5 Jun 2019 18:54

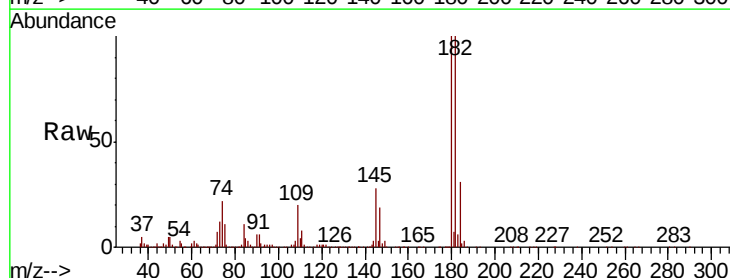
Tgt Ion:180 Resp: 391811

Ion Ratio Lower Upper

180 100

182 99.9 48.6 145.9

145 27.8 15.7 47.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

