

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF052019\
 Data File : VF062654.D
 Acq On : 20 May 2019 12:13
 Operator : FY/SY
 Sample : VF0520SBS01
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0520SBS01

Quant Time: May 20 12:35:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	932309	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1496517	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	1112522	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	555683	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.05	65	275990	41.89	ug/l	0.01
Spiked Amount	50.000		Recovery	=	83.78%	
35) Dibromofluoromethane	4.33	113	502222	43.86	ug/l	0.01
Spiked Amount	50.000		Recovery	=	87.72%	
50) Toluene-d8	7.72	98	1191673	43.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.16%	
62) 4-Bromofluorobenzene	11.50	95	462429	44.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	235925	18.595	ug/l	98
3) Chloromethane	1.14	50	242248	20.736	ug/l	92
4) Vinyl Chloride	1.19	62	226221	21.037	ug/l	94
5) Bromomethane	1.38	94	105946	18.009	ug/l	87
6) Chloroethane	1.44	64	72161	18.272	ug/l	97
7) Trichlorofluoromethane	1.55	101	285286	19.758	ug/l	94
8) Diethyl Ether	1.72	74	61613	21.540	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.90	101	181354	19.725	ug/l	98
10) Methyl Iodide	1.97	142	361476	20.015	ug/l	99
11) Tert butyl alcohol	2.70	59	46986	108.025	ug/l #	90
12) 1,1-Dichloroethene	1.86	96	174442	20.828	ug/l	96
13) Acrolein	2.11	56	45131	99.401	ug/l	98
14) Allyl chloride	2.21	41	216180	28.520	ug/l	95
15) Acrylonitrile	3.10	53	124814	101.728	ug/l	97
16) Acetone	2.36	43	162976	95.353	ug/l	95
17) Carbon Disulfide	1.89	76	523563	21.091	ug/l	97
18) Methyl Acetate	2.48	43	61065	22.736	ug/l	99
19) Methyl tert-butyl Ether	2.56	73	334929	22.370	ug/l	96
20) Methylene Chloride	2.30	84	194137	22.661	ug/l	97
21) trans-1,2-Dichloroethene	2.44	96	181357	22.154	ug/l	97
22) Diisopropyl ether	2.95	45	426018	22.788	ug/l	99
23) Vinyl Acetate	3.35	43	1385348	109.850	ug/l	97
24) 1,1-Dichloroethane	3.03	63	294496	21.473	ug/l	99
25) 2-Butanone	4.54	43	366926	100.482	ug/l	96
26) 2,2-Dichloropropane	3.79	77	191606	24.417	ug/l	94
27) cis-1,2-Dichloroethene	3.66	96	290782	21.595	ug/l	99
28) Bromochloromethane	3.92	49	151428	19.687	ug/l	98
29) Tetrahydrofuran	4.28	42	165949	112.302	ug/l	97
30) Chloroform	4.06	83	422668	22.197	ug/l	94
31) Cyclohexane	3.89	56	394959	21.448	ug/l	97
32) 1,1,1-Trichloroethane	4.31	97	281322	22.246	ug/l	97
36) 1,1-Dichloropropene	4.49	75	314851	20.532	ug/l	94
37) Ethyl Acetate	4.32	43	134905	21.546	ug/l	92
38) Carbon Tetrachloride	4.20	117	275104	23.854	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	413028	22.385	ug/l	92
40) Benzene	4.84	78	899257	21.526	ug/l	99
41) Methacrylonitrile	4.95	41	76755	23.383	ug/l #	94
42) 1,2-Dichloroethane	5.15	62	170043	20.411	ug/l	95
43) Isopropyl Acetate	7.13	43	172901	21.315	ug/l	99
44) Trichloroethene	5.70	130	252810	21.532	ug/l	88
45) 1,2-Dichloropropane	6.43	63	203484	19.295	ug/l	97
46) Dibromomethane	6.27	93	135209	22.185	ug/l	93
47) Bromodichloromethane	6.57	83	282097	22.296	ug/l	98
48) Methyl methacrylate	6.89	41	96655	22.797	ug/l	93
49) 1,4-Dioxane	6.89	88	21904	403.367	ug/l #	87
51) 4-Methyl-2-Pentanone	8.41	43	614925	110.906	ug/l	97
52) Toluene	7.79	92	471916	21.540	ug/l	93
53) t-1,3-Dichloropropene	8.44	75	239978	23.183	ug/l	99
54) cis-1,3-Dichloropropene	7.47	75	331624	22.886	ug/l	98
55) 1,1,2-Trichloroethane	8.65	97	147328	22.711	ug/l	95
56) Ethyl methacrylate	8.76	69	170199	22.022	ug/l	95
57) 1,3-Dichloropropane	9.01	76	245458	22.215	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.46	63	255590	101.601	ug/l	95
59) 2-Hexanone	9.63	43	408896	102.858	ug/l	98
60) Dibromochloromethane	8.87	129	189615	22.427	ug/l	96
61) 1,2-Dibromoethane	9.14	107	153032	22.210	ug/l	97
64) Tetrachloroethene	8.32	164	194546	22.073	ug/l	95
65) Chlorobenzene	9.95	112	480195	21.976	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	204376	23.299	ug/l	97
67) Ethyl Benzene	10.05	91	856436	22.562	ug/l	99
68) m/p-Xylenes	10.27	106	617008	43.247	ug/l	84
69) o-Xylene	10.82	106	320189	21.789	ug/l	94
70) Styrene	10.90	104	479933	21.487	ug/l	98
71) Bromoform	10.88	173	101318	23.062	ug/l #	96
73) Isopropylbenzene	11.22	105	893806	22.442	ug/l	94
74) N-amyl acetate	11.45	43	245164	21.071	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	187150	22.994	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	122347	22.877	ug/l	96
77) Bromobenzene	11.59	156	224824	22.710	ug/l	90
78) n-propylbenzene	11.68	91	1075885	22.826	ug/l	95
79) 2-Chlorotoluene	11.80	91	620097	23.345	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	722331	22.619	ug/l	90
81) trans-1,4-Dichloro-2-buten	11.95	75	65288	27.464	ug/l	96
82) 4-Chlorotoluene	11.98	91	546016	20.845	ug/l	97
83) tert-Butylbenzene	12.20	119	724642	22.366	ug/l	95
84) 1,2,4-Trimethylbenzene	12.27	105	698906	22.612	ug/l	93
85) sec-Butylbenzene	12.37	105	938416	21.582	ug/l	95
86) p-Isopropyltoluene	12.53	119	798051	21.779	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	389505	21.747	ug/l	95
88) 1,4-Dichlorobenzene	12.63	146	363039	21.600	ug/l	99
89) n-Butylbenzene	12.90	91	877035	24.275	ug/l	94
90) Hexachloroethane	12.98	117	213822	24.325	ug/l	76
91) 1,2-Dichlorobenzene	13.00	146	386656	24.218	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	23384	24.083	ug/l	84

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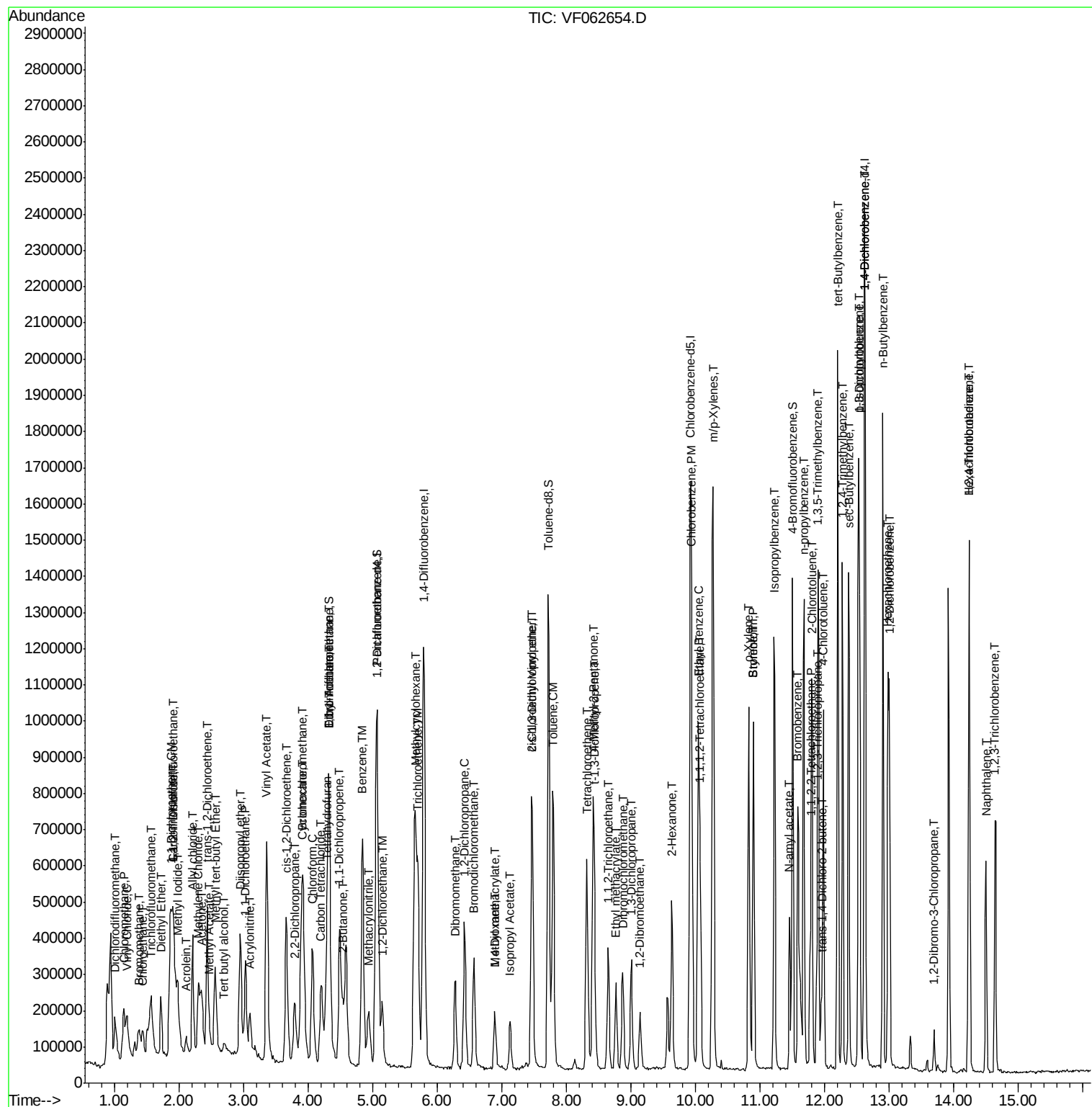
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	246942	21.609	ug/l	97
94) Hexachlorobutadiene	14.23	225	167167	20.961	ug/l	96
95) Naphthalene	14.50	128	421749	20.314	ug/l	97
96) 1,2,3-Trichlorobenzene	14.65	180	240169	22.187	ug/l	94

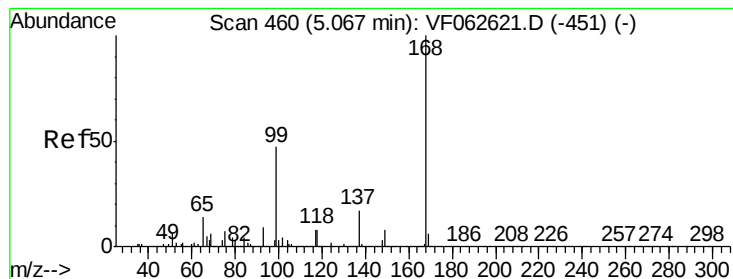
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.00 min

Lab File: VF062654.D

Acq: 20 May 2019 12:13

Instrument :

MSVOA_F

ClientSampleId :

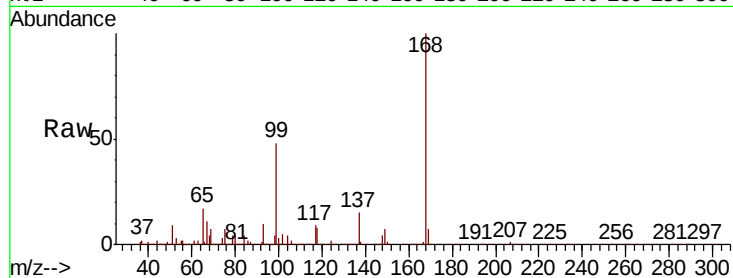
VF0520SBS01

Tgt Ion:168 Resp: 932309

Ion Ratio Lower Upper

168 100

99 48.5 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.07

300000

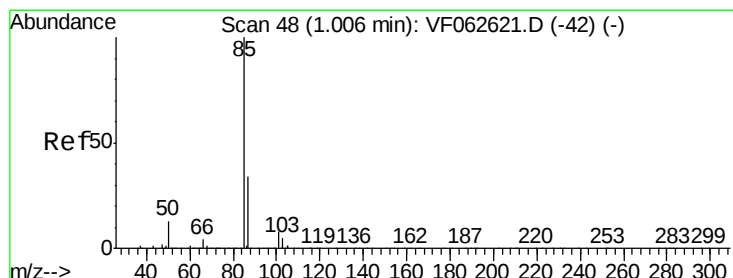
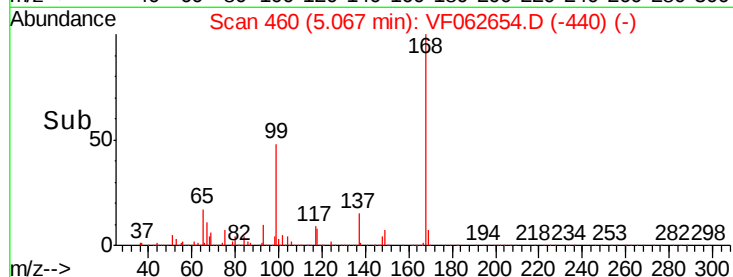
200000

100000

0

4.90 5.00 5.10 5.20 5.30

Time-->



#2

Dichlorodifluoromethane

Concen: 18.595 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062654.D

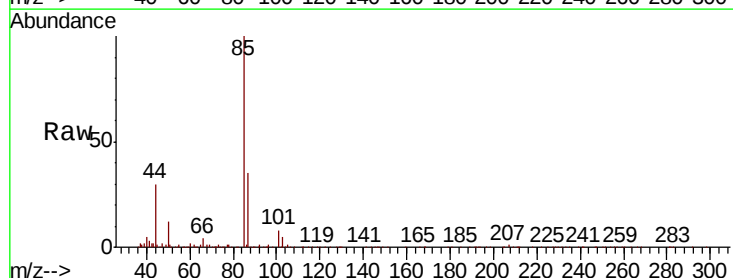
Acq: 20 May 2019 12:13

Tgt Ion: 85 Resp: 235925

Ion Ratio Lower Upper

85 100

87 34.6 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

80000

60000

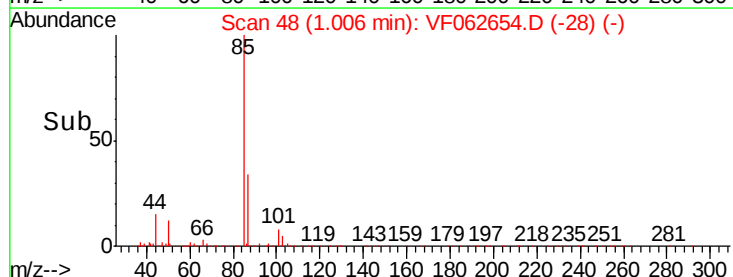
40000

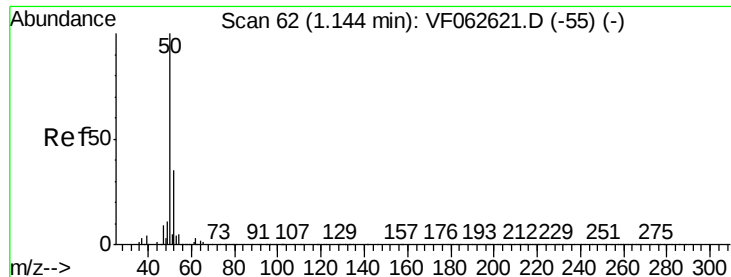
20000

0

0.80 0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 20.736 ug/l

RT: 1.14 min Scan# 62

Delta R.T. 0.00 min

Lab File: VF062654.D

Acq: 20 May 2019 12:13

Instrument :

MSVOA_F

ClientSampleId :

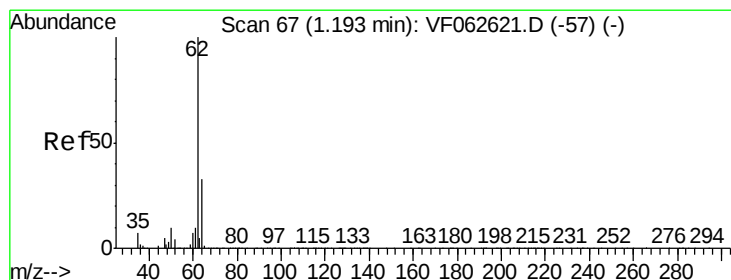
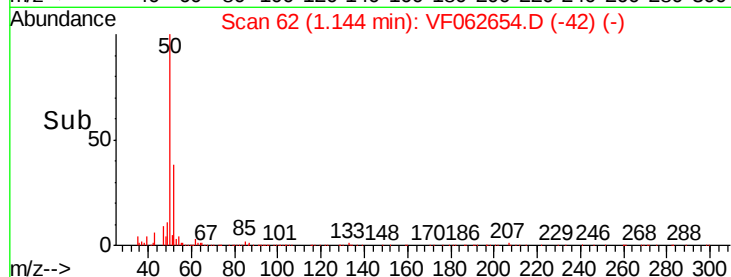
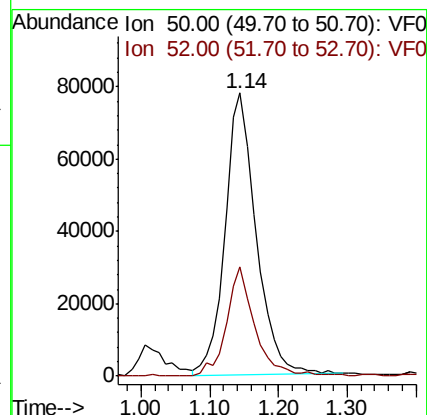
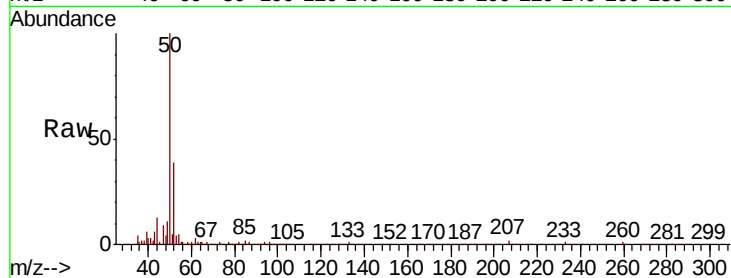
VF0520SBS01

Tgt Ion: 50 Resp: 242248

Ion Ratio Lower Upper

50 100

52 38.8 27.5 41.3



#4

Vinyl Chloride

Concen: 21.037 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062654.D

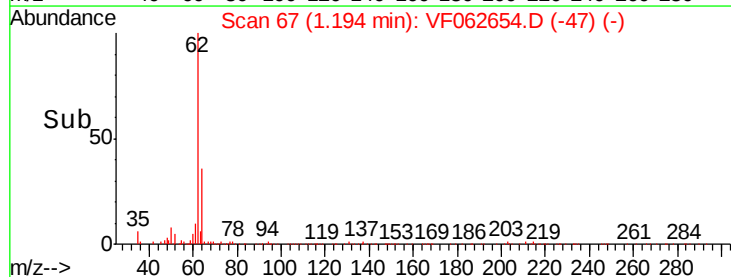
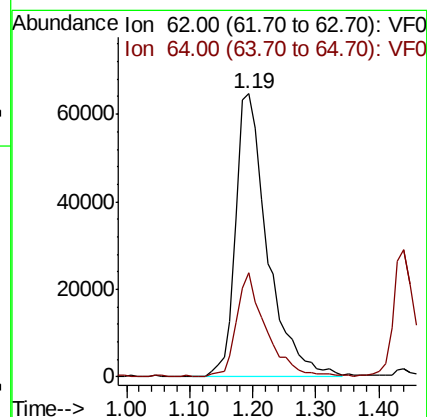
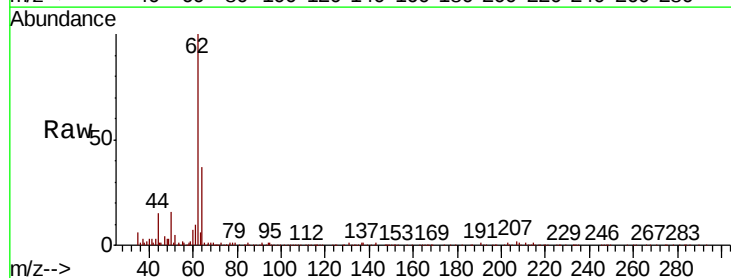
Acq: 20 May 2019 12:13

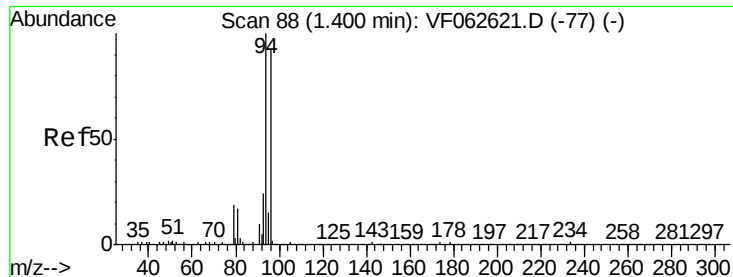
Tgt Ion: 62 Resp: 226221

Ion Ratio Lower Upper

62 100

64 36.7 26.7 40.1





#5

Bromomethane

Concen: 18.009 ug/l

RT: 1.38 min Scan# 86

Delta R.T. -0.02 min

Lab File: VF062654.D

Acq: 20 May 2019 12:13

Instrument :

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ClientSampleId :

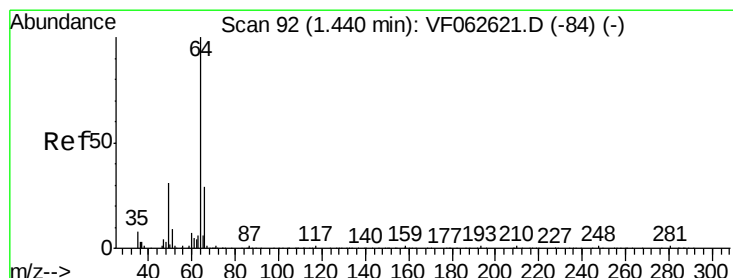
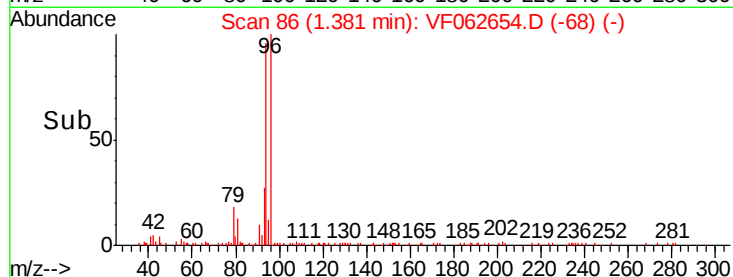
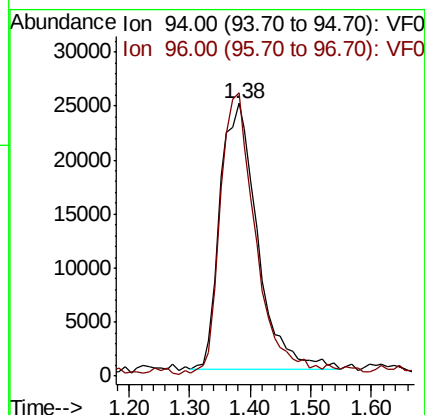
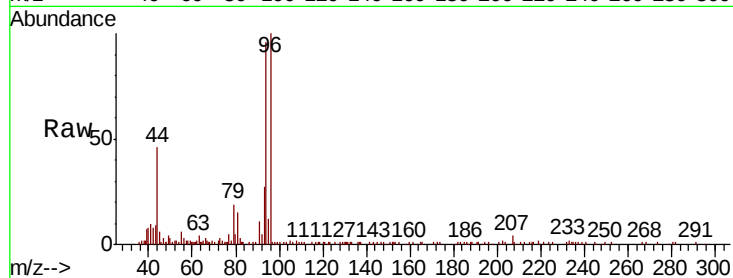
VF0520SBS01

Tgt Ion: 94 Resp: 105946

Ion Ratio Lower Upper

94 100

96 103.7 73.2 109.8



#6

Chloroethane

Concen: 18.272 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.00 min

Lab File: VF062654.D

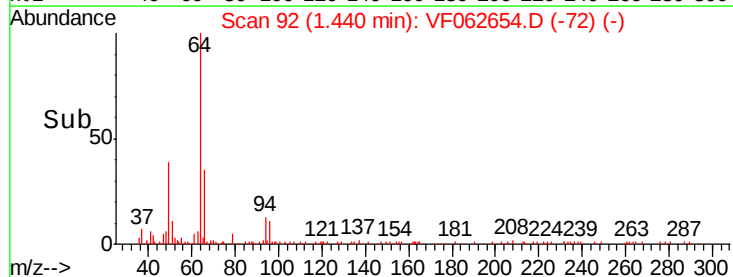
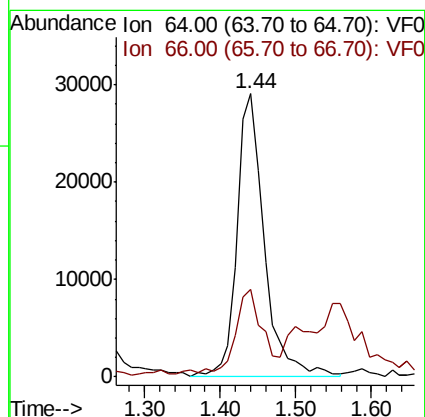
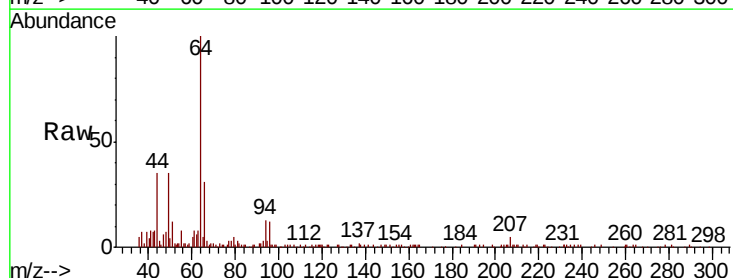
Acq: 20 May 2019 12:13

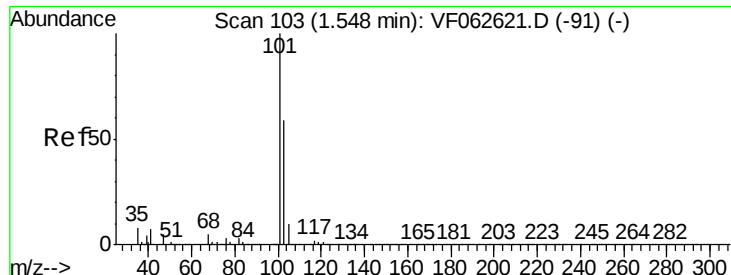
Tgt Ion: 64 Resp: 72161

Ion Ratio Lower Upper

64 100

66 30.9 23.4 35.2



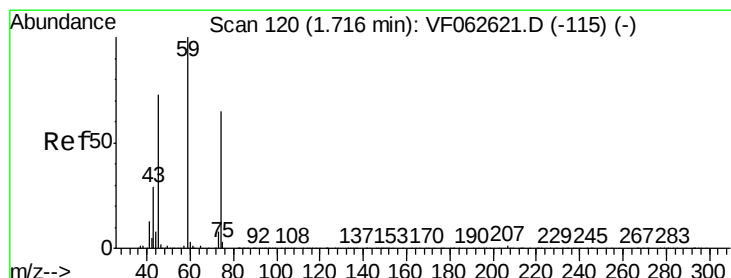
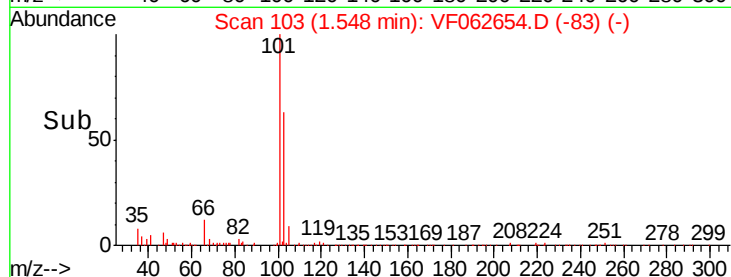
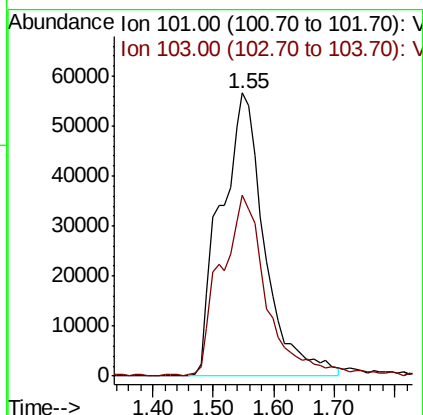
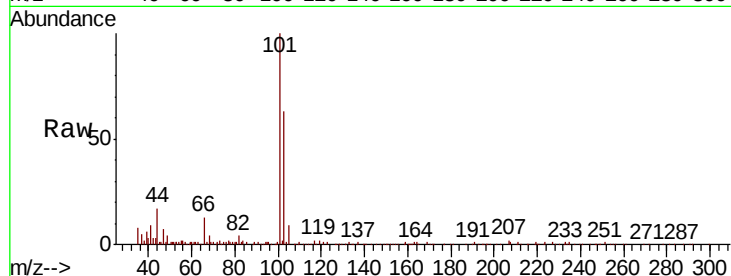


#7

Trichlorofluoromethane
Concen: 19.758 ug/l
RT: 1.55 min Scan# 103
Delta R.T. 0.00 min
Lab File: VF062654.D
Acq: 20 May 2019 12:13

Instrument :
MSVOA_F
ClientSampleId :
VF0520SBS01

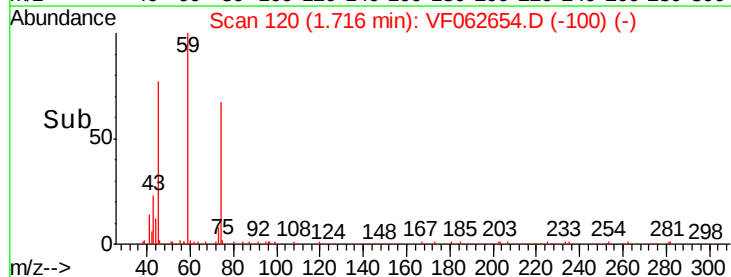
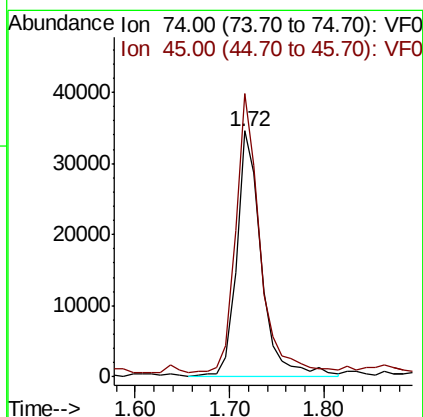
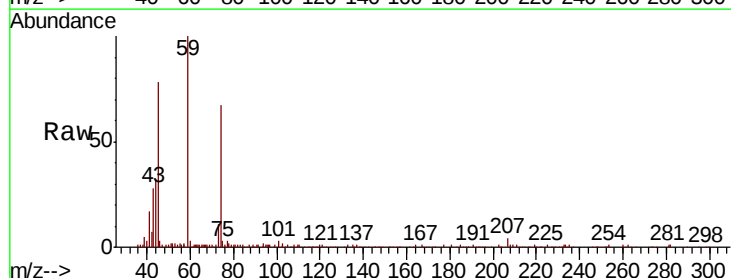
Tgt Ion:101 Resp: 285286
Ion Ratio Lower Upper
101 100
103 63.9 47.3 70.9

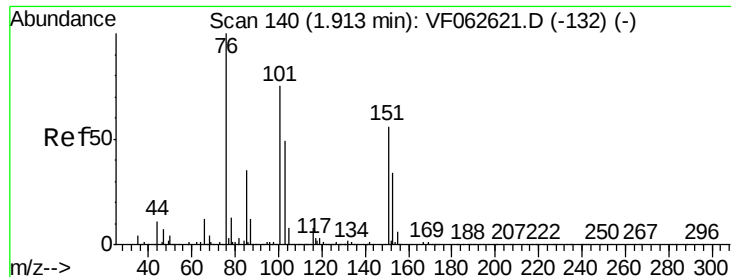


#8

Diethyl Ether
Concen: 21.540 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.00 min
Lab File: VF062654.D
Acq: 20 May 2019 12:13

Tgt Ion: 74 Resp: 61613
Ion Ratio Lower Upper
74 100
45 115.2 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.725 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062654.D

Acq: 20 May 2019 12:13

Instrument :

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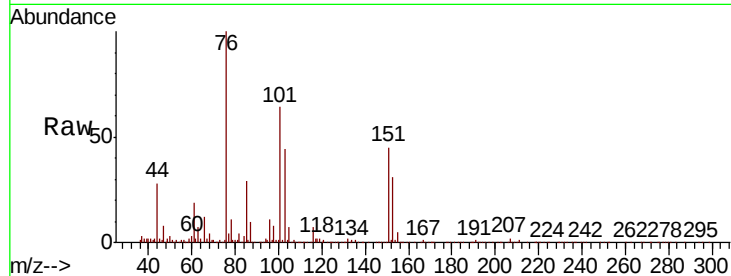
Tgt Ion:101 Resp: 181354

Ion Ratio Lower Upper

101 100

85 46.3 37.1 55.7

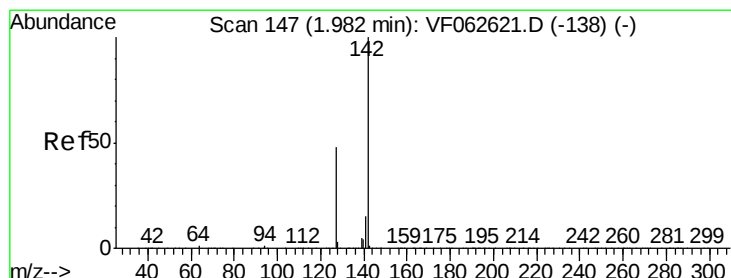
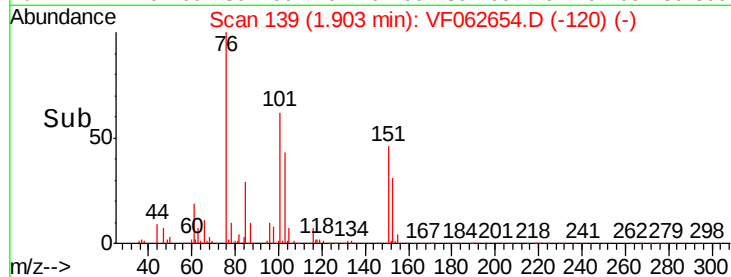
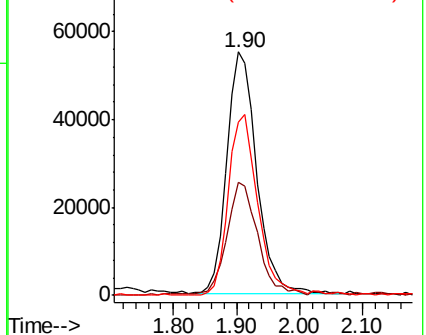
151 71.1 58.8 88.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 20.015 ug/l

RT: 1.97 min Scan# 146

Delta R.T. -0.01 min

Lab File: VF062654.D

Acq: 20 May 2019 12:13

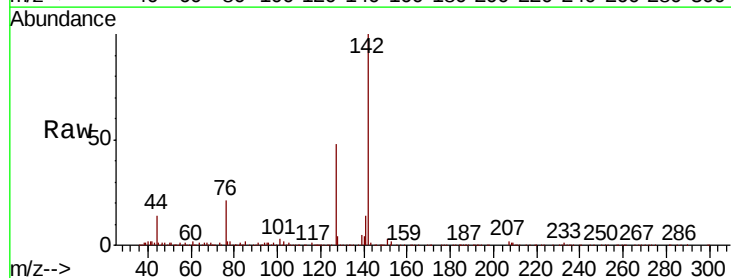
Tgt Ion:142 Resp: 361476

Ion Ratio Lower Upper

142 100

127 48.3 38.1 57.1

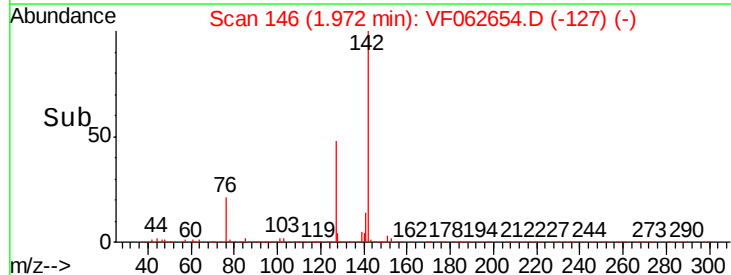
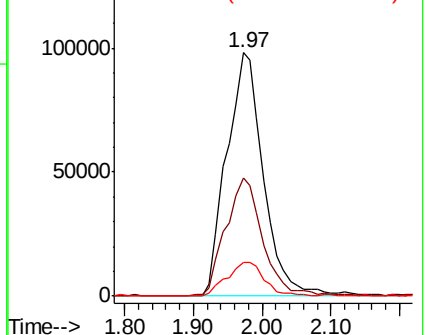
141 13.9 11.7 17.5

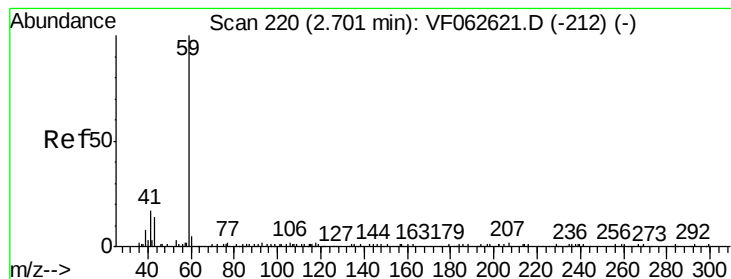


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



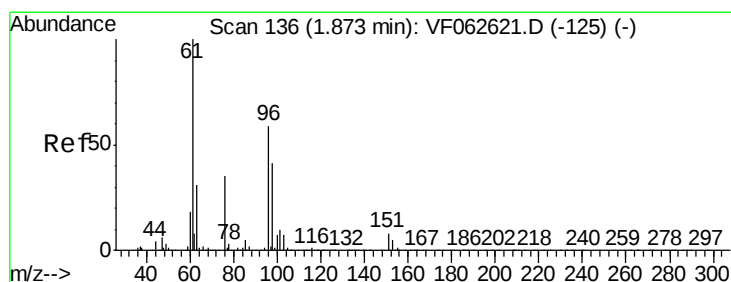
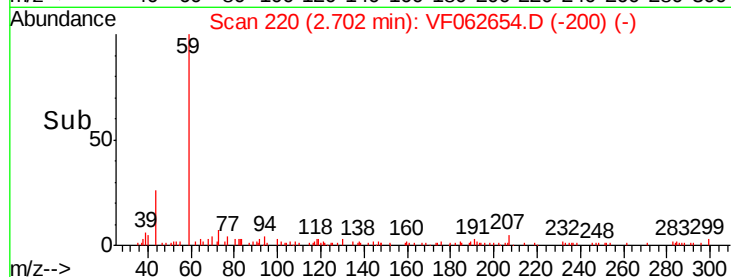
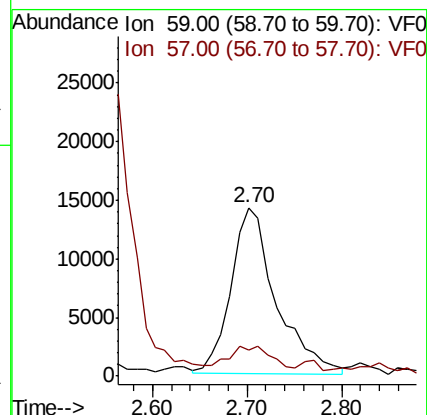
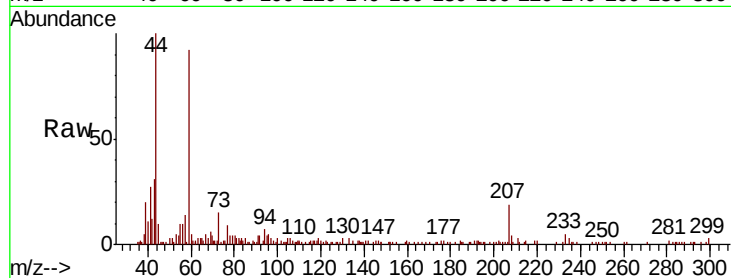


#11

Tert butyl alcohol
 Concen: 108.025 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VF062654.D
 Acq: 20 May 2019 12:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0520SBS01

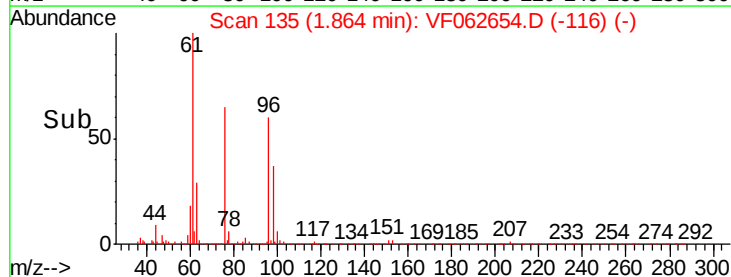
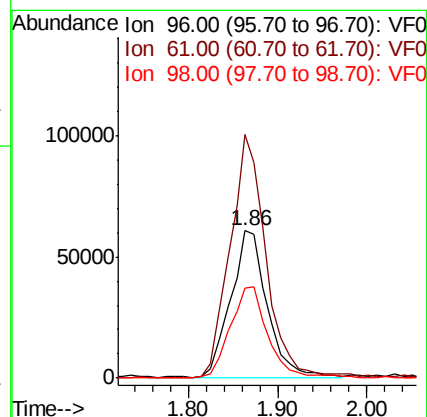
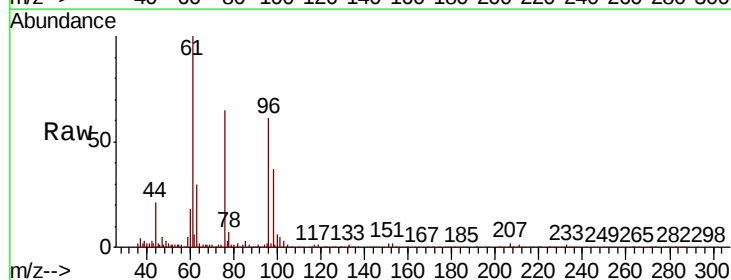
Tgt Ion: 59 Resp: 46986
 Ion Ratio Lower Upper
 59 100
 57 15.6 9.3 13.9#

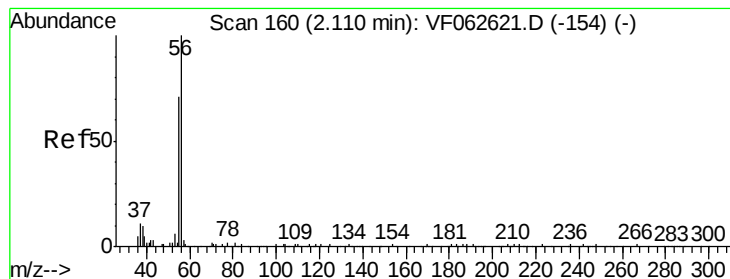


#12

1,1-Dichloroethene
 Concen: 20.828 ug/l
 RT: 1.86 min Scan# 135
 Delta R.T. -0.01 min
 Lab File: VF062654.D
 Acq: 20 May 2019 12:13

Tgt Ion: 96 Resp: 174442
 Ion Ratio Lower Upper
 96 100
 61 165.2 134.3 201.5
 98 60.9 55.0 82.6





#13

Acrolein

Concen: 99.401 ug/l

RT: 2.11 min Scan# 160

Delta R.T. 0.00 min

Lab File: VF062654.D

Acq: 20 May 2019 12:13

Instrument :

MSVOA_F

ClientSampleId :

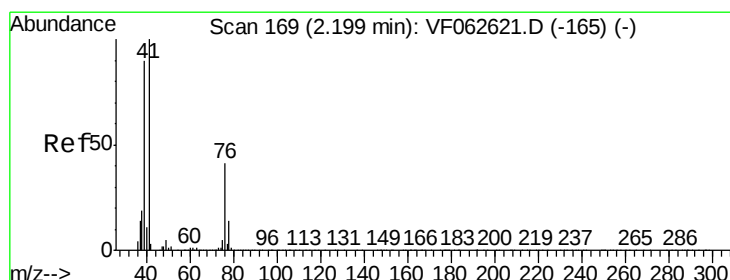
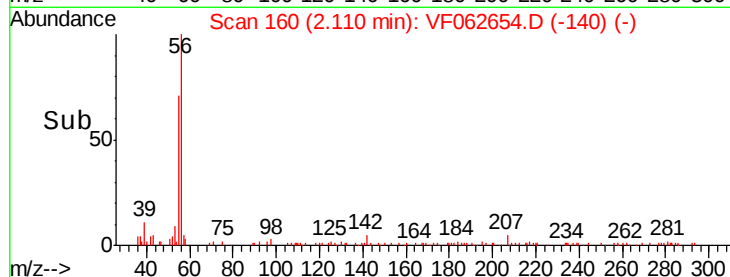
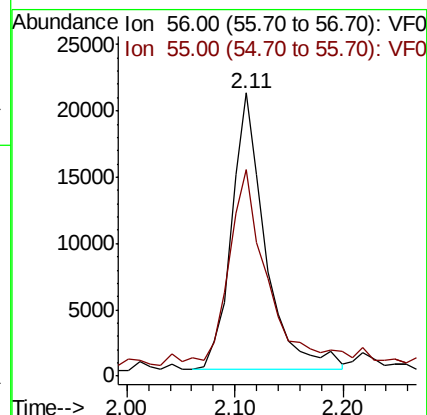
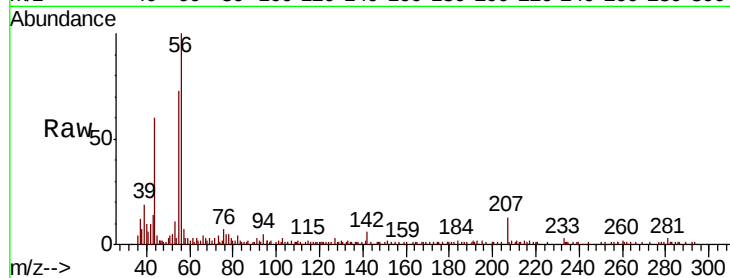
VF0520SBS01

Tgt Ion: 56 Resp: 45131

Ion Ratio Lower Upper

56 100

55 72.9 59.4 89.0



#14

Allyl chloride

Concen: 28.520 ug/l

RT: 2.21 min Scan# 170

Delta R.T. 0.01 min

Lab File: VF062654.D

Acq: 20 May 2019 12:13

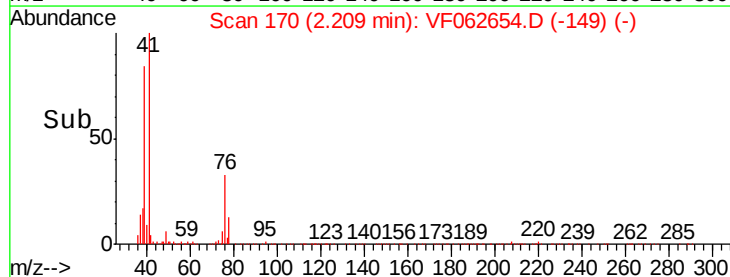
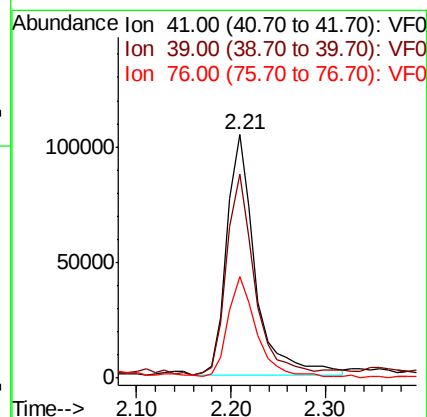
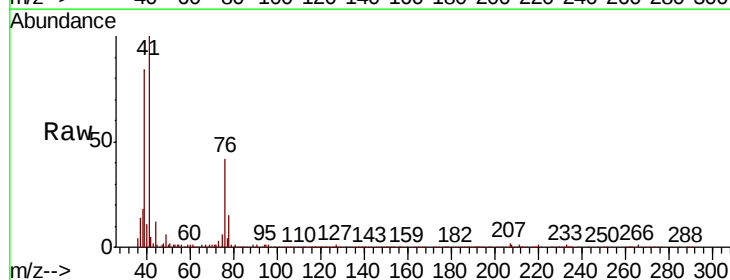
Tgt Ion: 41 Resp: 216180

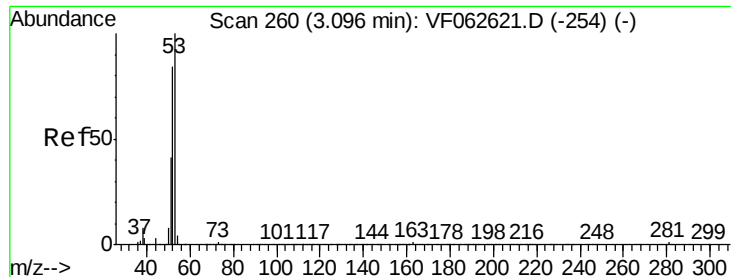
Ion Ratio Lower Upper

41 100

39 83.7 72.0 108.0

76 41.9 34.8 52.2





#15

Acrylonitrile

Concen: 101.728 ug/l

RT: 3.10 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF062654.D

Acq: 20 May 2019 12:13

Instrument :

MSVOA_F

ClientSampleId :

VF0520SBS01

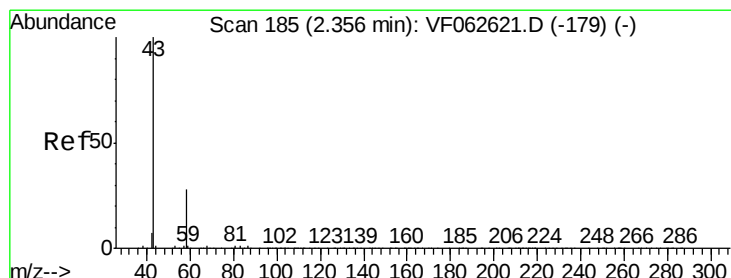
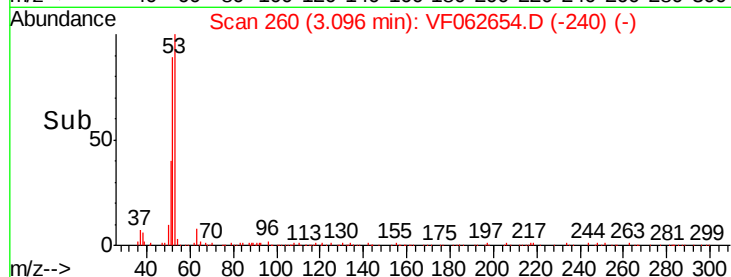
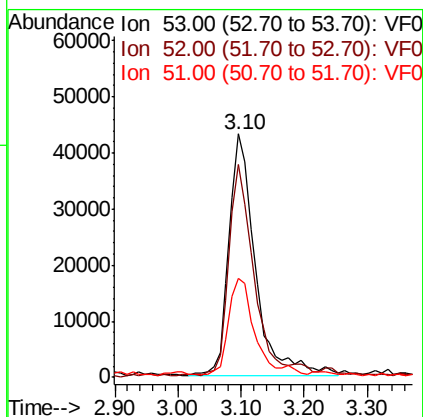
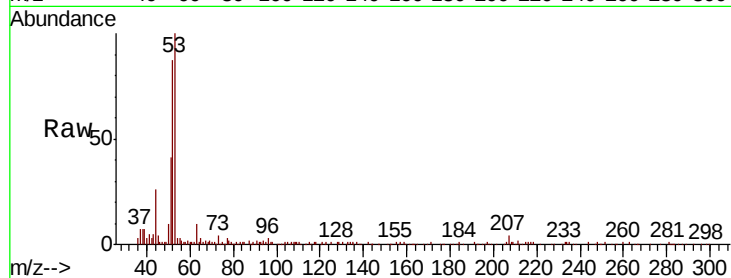
Tgt Ion: 53 Resp: 124814

Ion Ratio Lower Upper

53 100

52 87.3 67.3 100.9

51 40.8 33.0 49.6



#16

Acetone

Concen: 95.353 ug/l

RT: 2.36 min Scan# 185

Delta R.T. 0.00 min

Lab File: VF062654.D

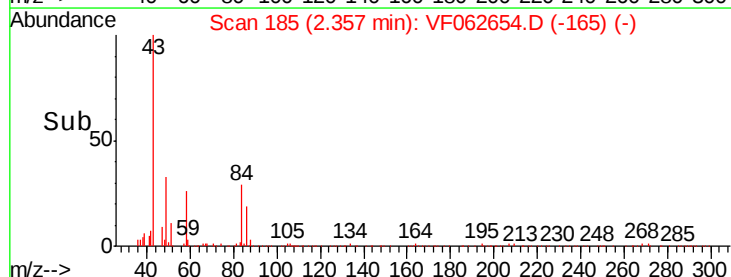
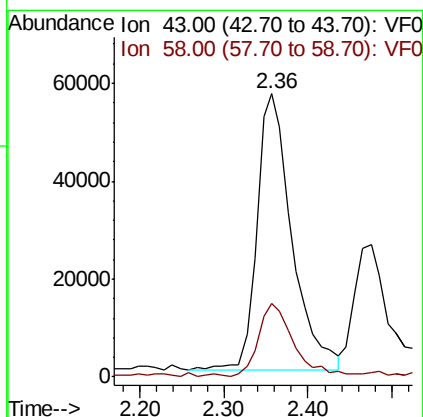
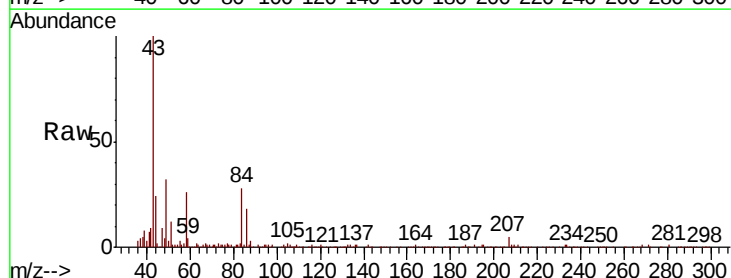
Acq: 20 May 2019 12:13

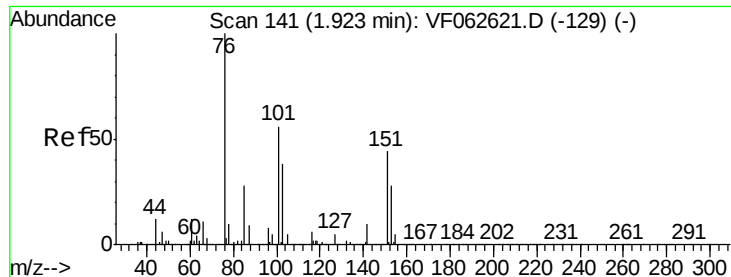
Tgt Ion: 43 Resp: 162976

Ion Ratio Lower Upper

43 100

58 25.7 22.6 33.8

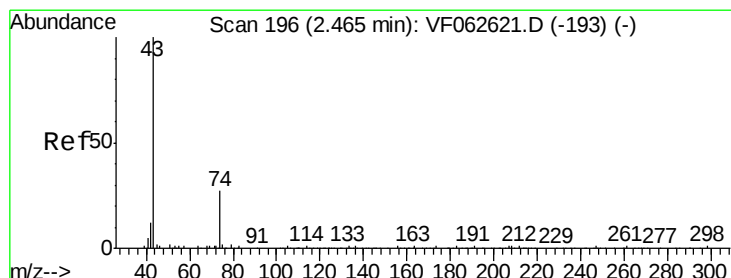
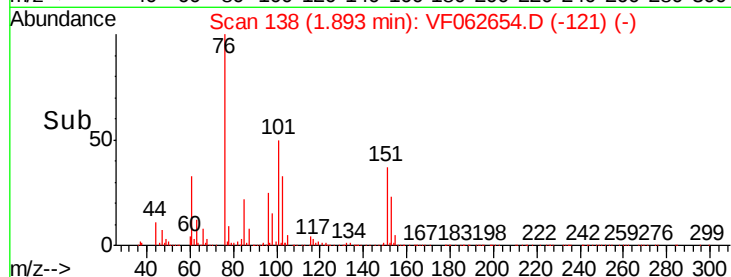
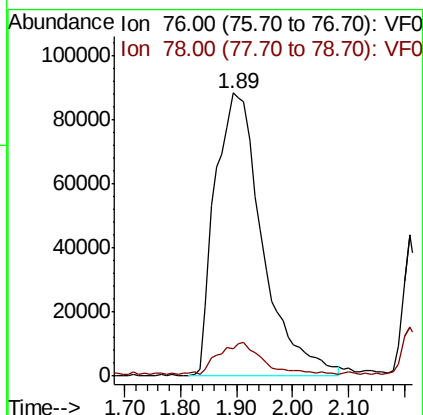
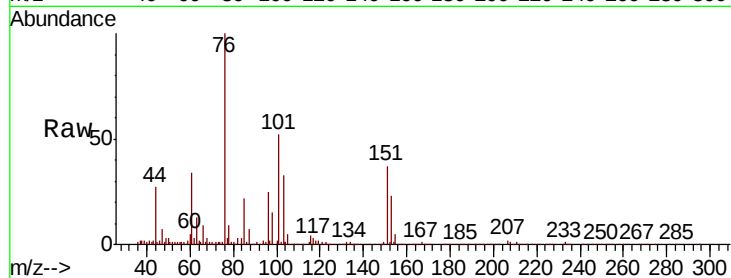




#17
Carbon Disulfide
Concen: 21.091 ug/l
RT: 1.89 min Scan# 138
Delta R.T. -0.03 min
Lab File: VF062654.D
Acq: 20 May 2019 12:13

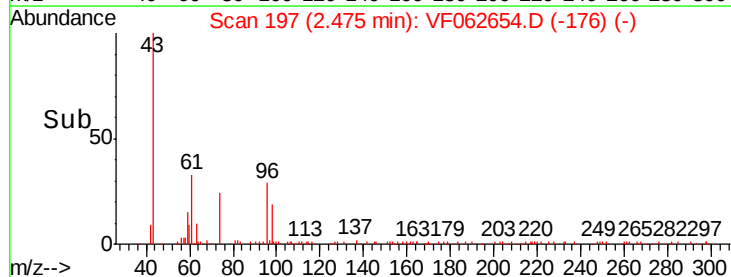
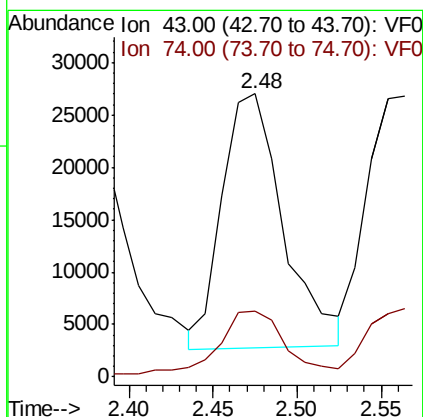
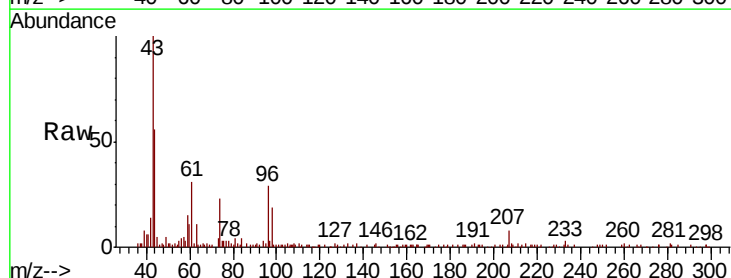
Instrument :
MSVOA_F
ClientSampleId :
VF0520SBS01

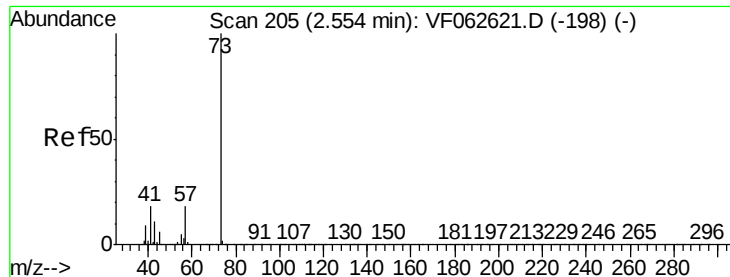
Tgt Ion: 76 Resp: 523563
Ion Ratio Lower Upper
76 100
78 9.5 8.4 12.6



#18
Methyl Acetate
Concen: 22.736 ug/l
RT: 2.48 min Scan# 197
Delta R.T. 0.01 min
Lab File: VF062654.D
Acq: 20 May 2019 12:13

Tgt Ion: 43 Resp: 61065
Ion Ratio Lower Upper
43 100
74 23.2 18.9 28.3



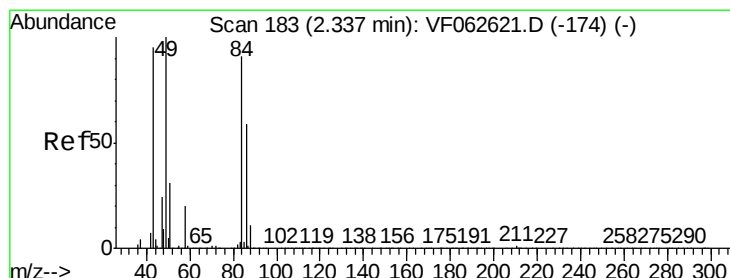
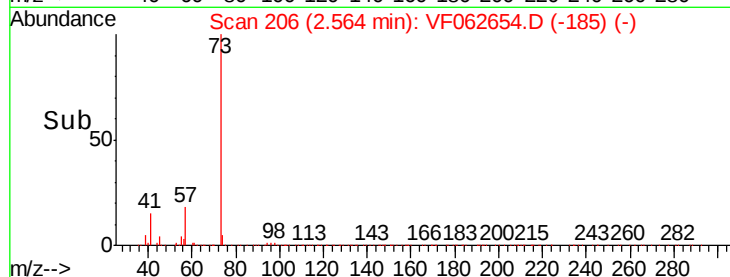
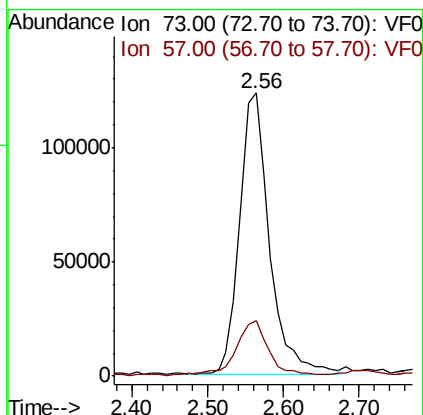
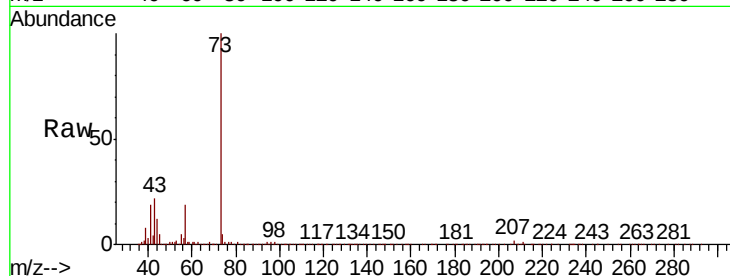


#19

Methyl tert-butyl Ether
 Concen: 22.370 ug/l
 RT: 2.56 min Scan# 206
 Delta R.T. 0.01 min
 Lab File: VF062654.D
 Acq: 20 May 2019 12:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0520SBS01

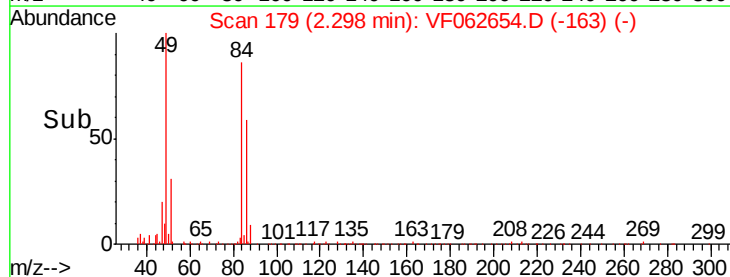
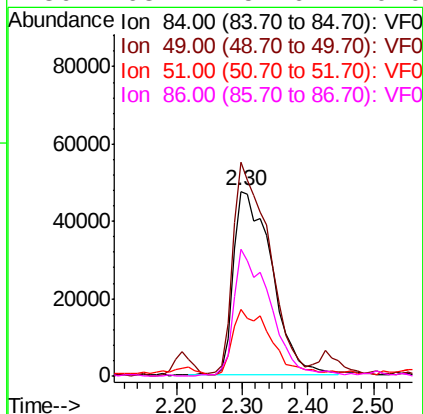
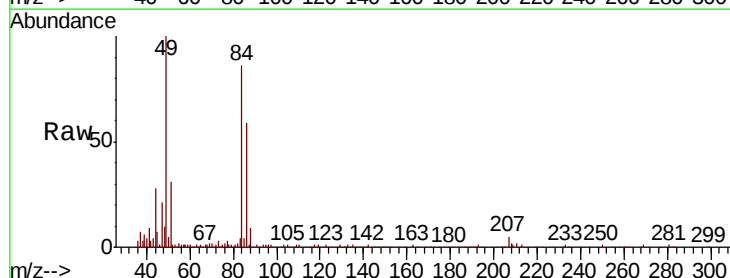
Tgt Ion: 73 Resp: 334929
 Ion Ratio Lower Upper
 73 100
 57 19.5 14.2 21.4

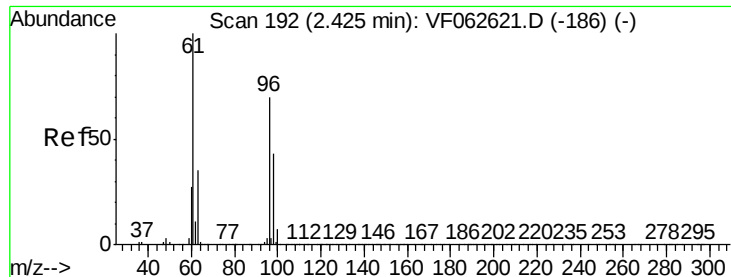


#20

Methylene Chloride
 Concen: 22.661 ug/l
 RT: 2.30 min Scan# 179
 Delta R.T. -0.04 min
 Lab File: VF062654.D
 Acq: 20 May 2019 12:13

Tgt Ion: 84 Resp: 194137
 Ion Ratio Lower Upper
 84 100
 49 115.9 89.8 134.8
 51 36.3 28.4 42.6
 86 68.4 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 22.154 ug/l

RT: 2.44 min Scan# 193

Delta R.T. 0.01 min

Lab File: VF062654.D

Acq: 20 May 2019 12:13

Instrument :

MSVOA_F

ClientSampleId :

VF0520SBS01

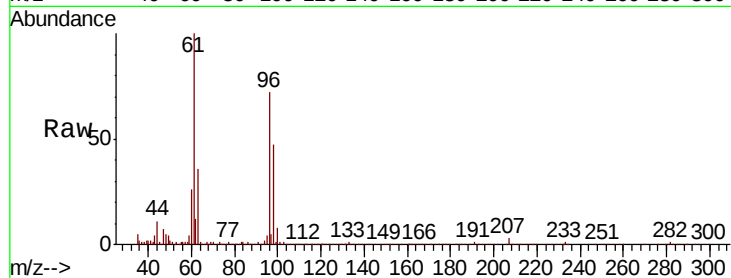
Tgt Ion: 96 Resp: 181357

Ion Ratio Lower Upper

96 100

61 139.8 114.6 171.8

98 65.1 49.5 74.3



Abundance

Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

150000

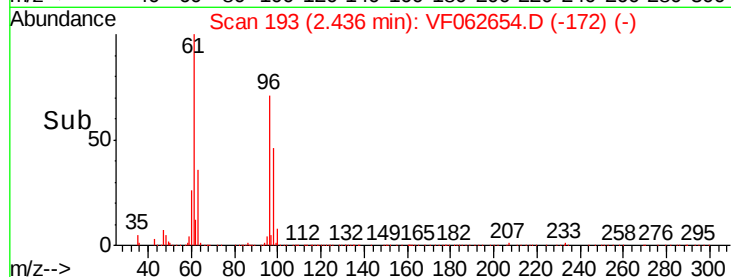
100000

50000

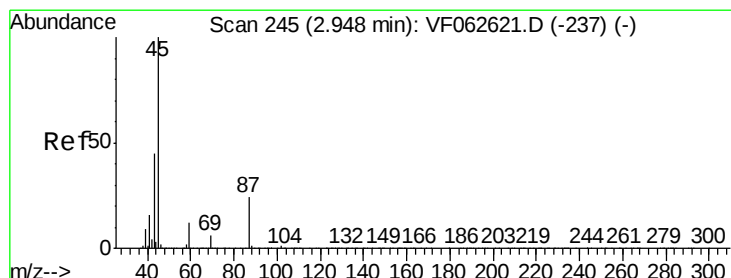
0

2.44

2.30 2.40 2.50 2.60



Time-->



#22

Diisopropyl ether

Concen: 22.788 ug/l

RT: 2.95 min Scan# 245

Delta R.T. 0.00 min

Lab File: VF062654.D

Acq: 20 May 2019 12:13

Tgt Ion: 45 Resp: 426018

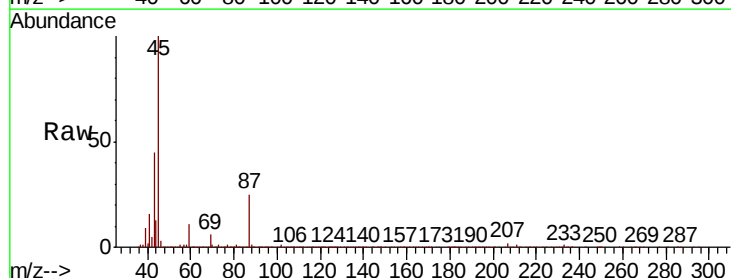
Ion Ratio Lower Upper

45 100

43 45.4 36.4 54.6

87 24.7 19.3 28.9

59 10.7 9.4 14.2



Abundance

Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0

200000

150000

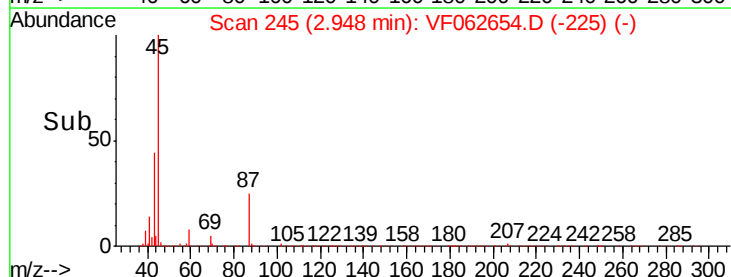
100000

50000

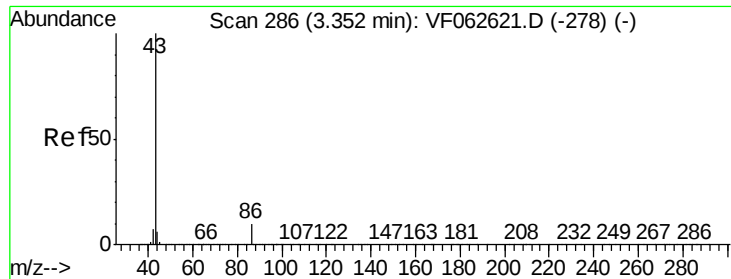
0

2.95

2.80 2.90 3.00 3.10



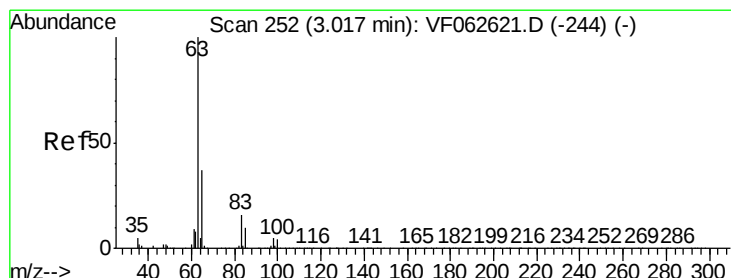
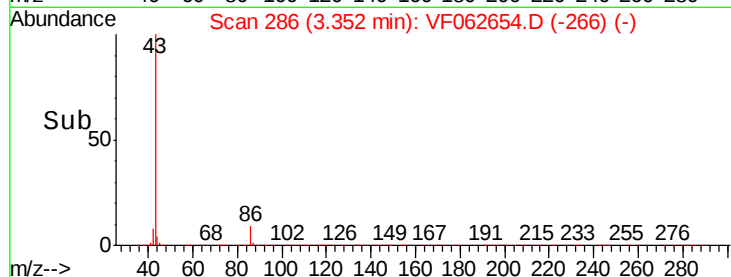
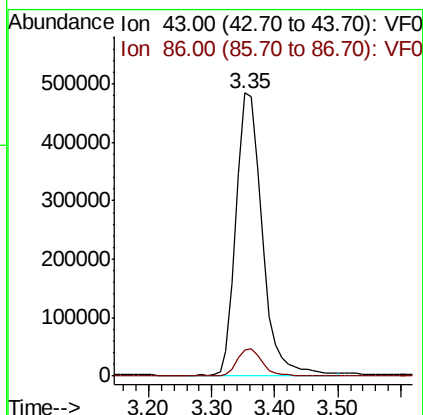
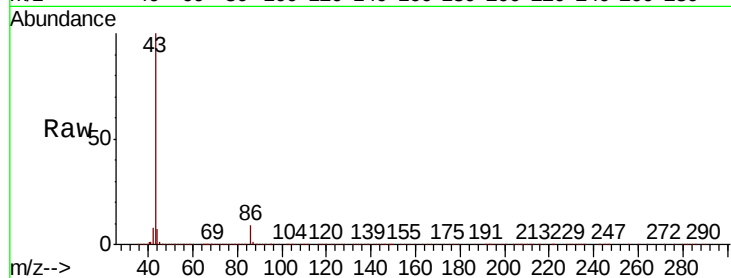
Time-->



#23
 Vinyl Acetate
 Concen: 109.850 ug/l
 RT: 3.35 min Scan# 286
 Delta R.T. 0.00 min
 Lab File: VF062654.D
 Acq: 20 May 2019 12:13

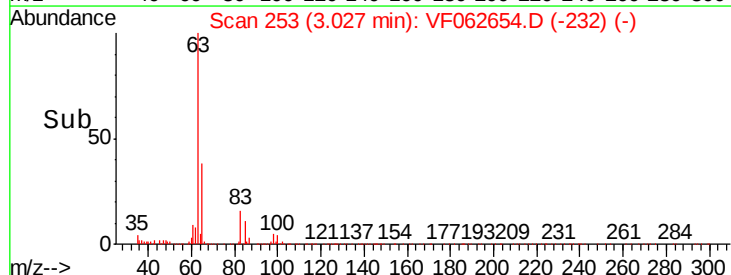
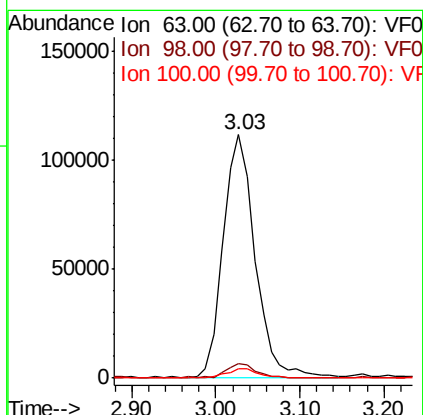
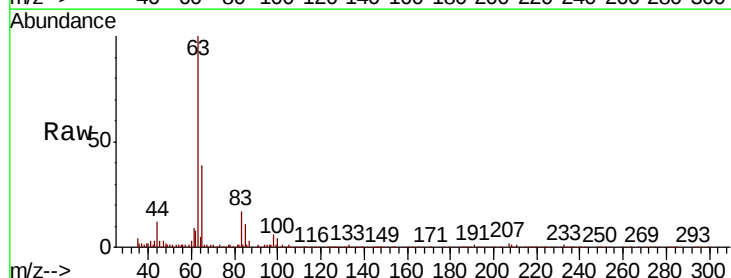
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0520SBS01

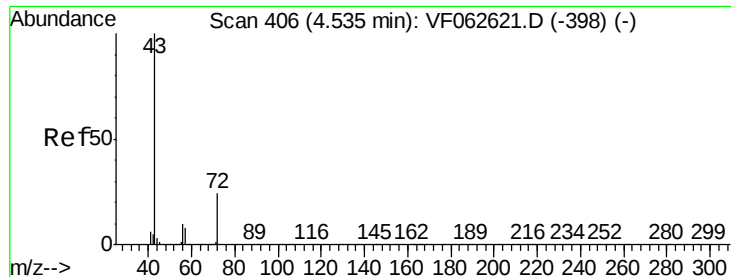
Tgt Ion: 43 Resp: 1385348
 Ion Ratio Lower Upper
 43 100
 86 9.1 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 21.473 ug/l
 RT: 3.03 min Scan# 253
 Delta R.T. 0.01 min
 Lab File: VF062654.D
 Acq: 20 May 2019 12:13

Tgt Ion: 63 Resp: 294496
 Ion Ratio Lower Upper
 63 100
 98 5.8 2.8 8.3
 100 4.0 1.9 5.7

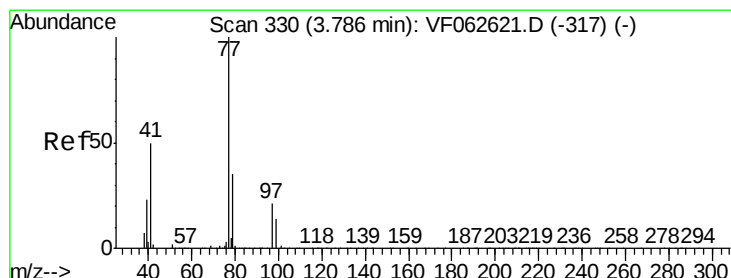
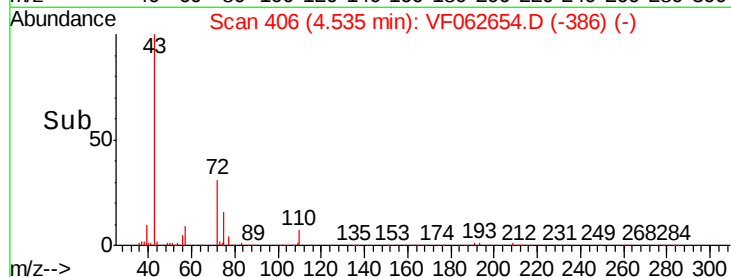
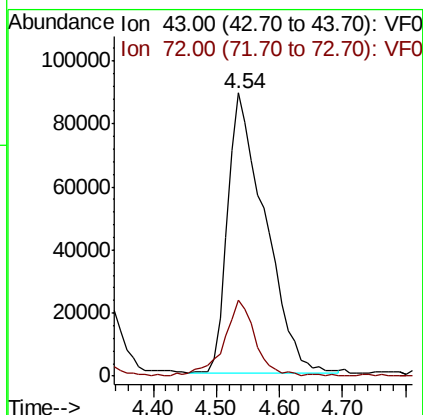
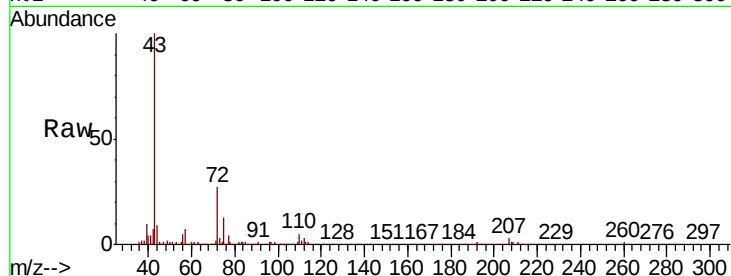




#25
2-Butanone
Concen: 100.482 ug/l
RT: 4.54 min Scan# 406
Delta R.T. 0.00 min
Lab File: VF062654.D
Acq: 20 May 2019 12:13

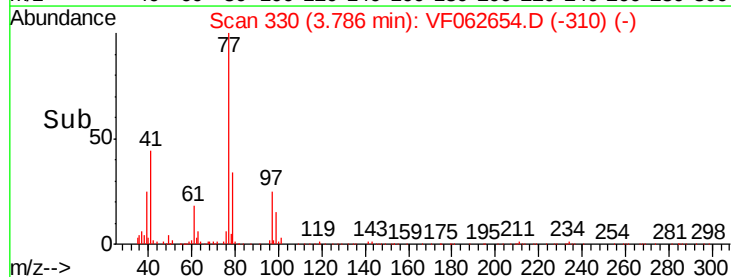
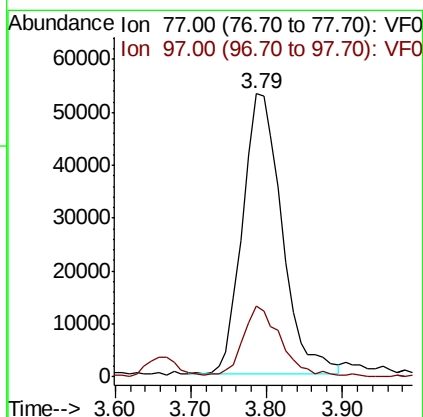
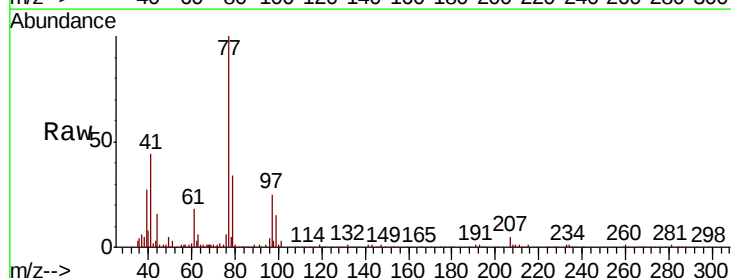
Instrument :
MSVOA_F
ClientSampleId :
VF0520SBS01

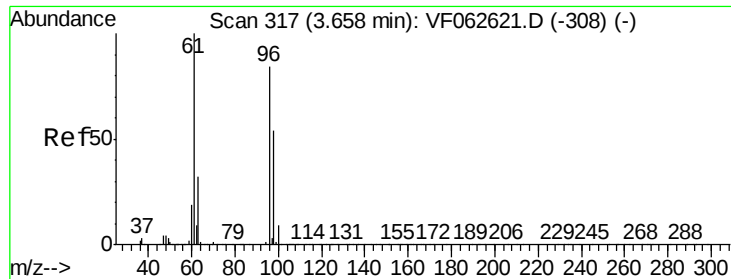
Tgt Ion: 43 Resp: 366926
Ion Ratio Lower Upper
43 100
72 27.0 20.1 30.1



#26
2,2-Dichloropropane
Concen: 24.417 ug/l
RT: 3.79 min Scan# 330
Delta R.T. 0.00 min
Lab File: VF062654.D
Acq: 20 May 2019 12:13

Tgt Ion: 77 Resp: 191606
Ion Ratio Lower Upper
77 100
97 25.2 14.1 42.4



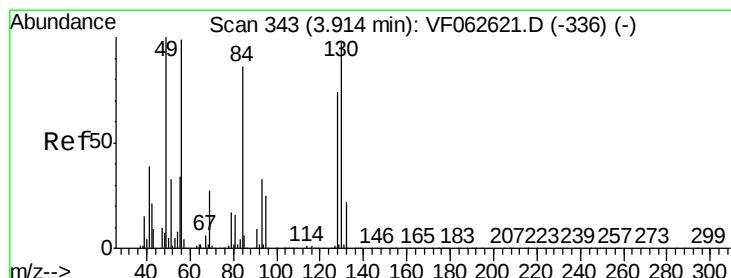
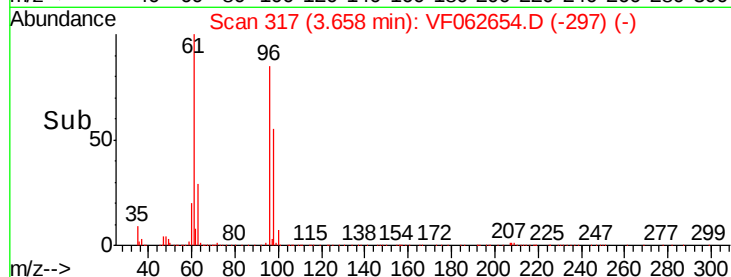
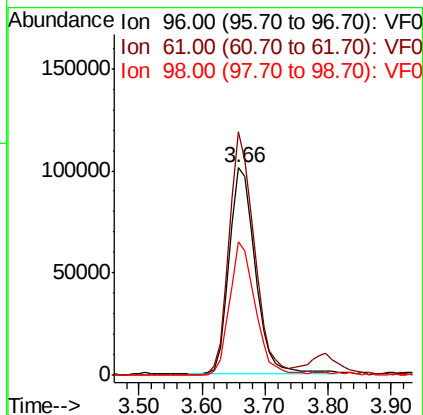
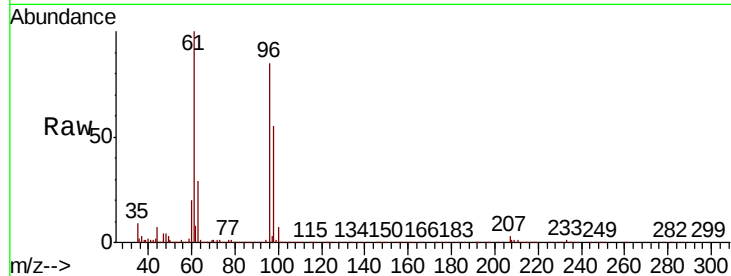


#27

cis-1,2-Dichloroethene
Concen: 21.595 ug/l
RT: 3.66 min Scan# 317
Delta R.T. 0.00 min
Lab File: VF062654.D
Acq: 20 May 2019 12:13

Instrument :
MSVOA_F
ClientSampleId :
VF0520SBS01

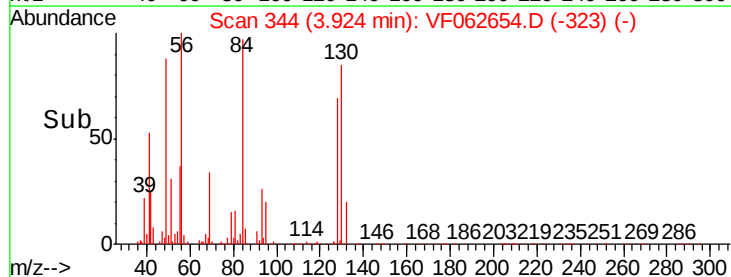
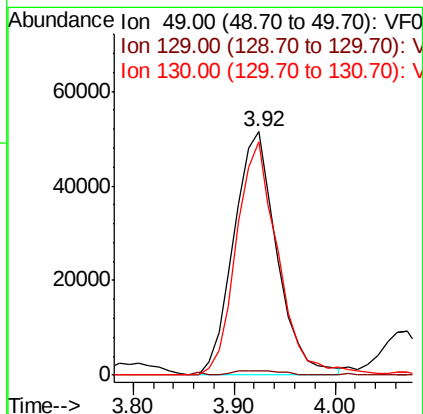
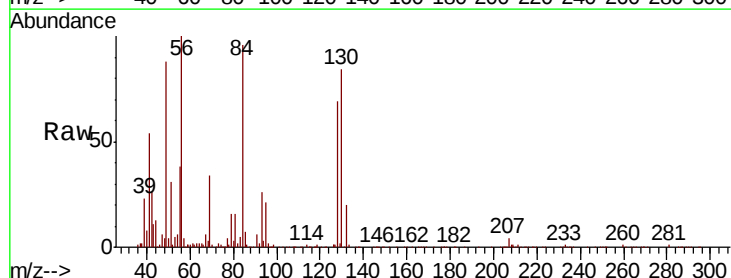
Tgt Ion	Ratio	Lower	Upper
96	100		
61	117.3	0.0	237.4
98	64.2	0.0	129.0

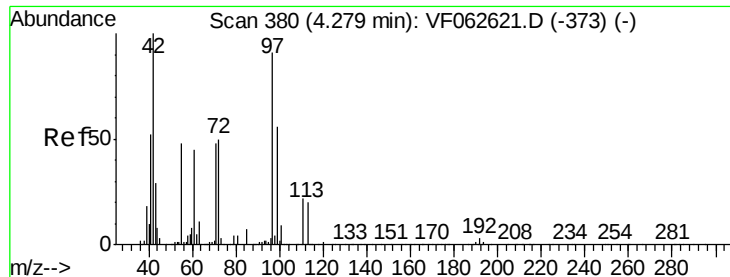


#28

Bromochloromethane
Concen: 19.687 ug/l
RT: 3.92 min Scan# 344
Delta R.T. 0.01 min
Lab File: VF062654.D
Acq: 20 May 2019 12:13

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	95.8	77.8	116.8

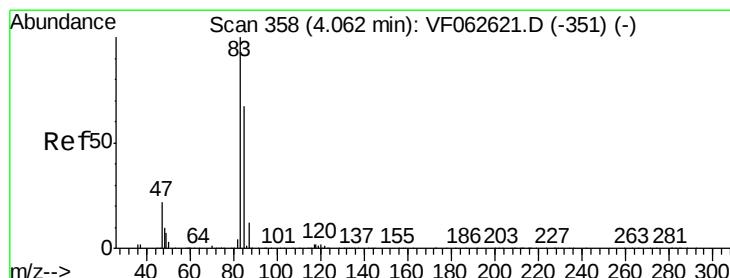
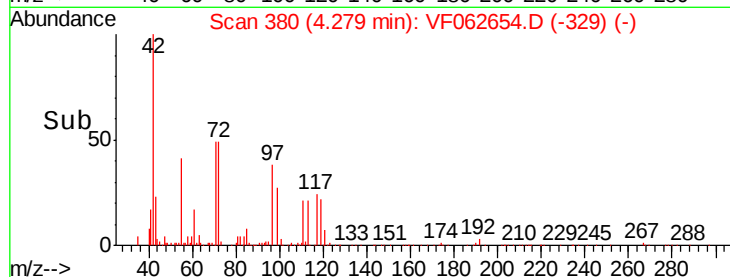
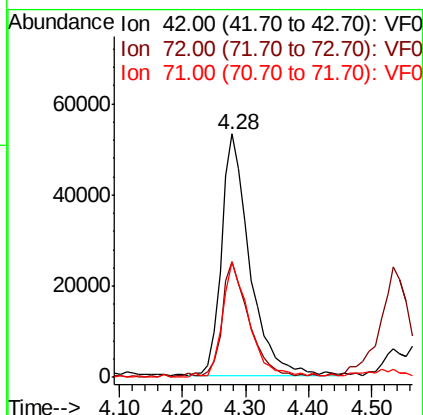
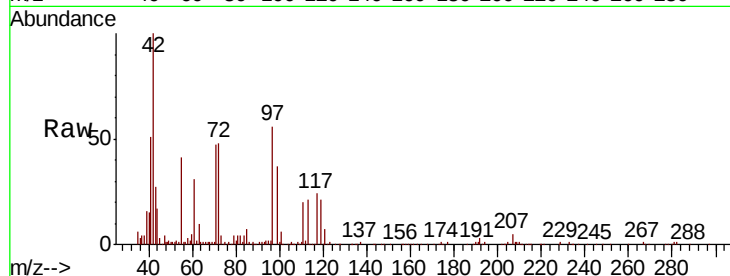




#29
Tetrahydrofuran
Concen: 112.302 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.00 min
Lab File: VF062654.D
Acq: 20 May 2019 12:13

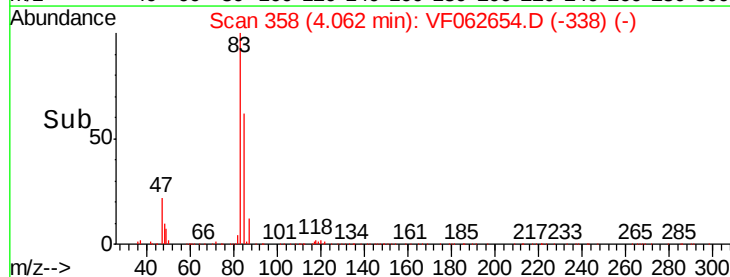
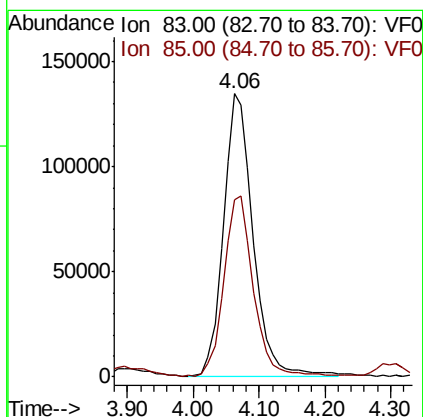
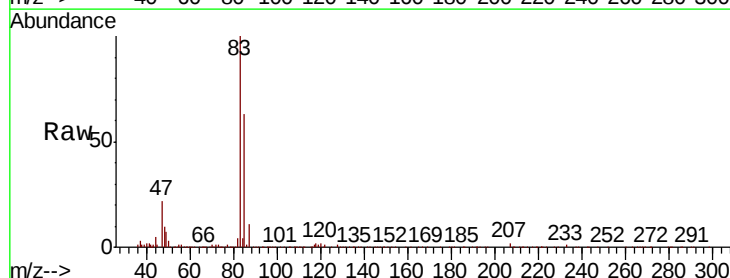
Instrument :
MSVOA_F
ClientSampleId :
VF0520SBS01

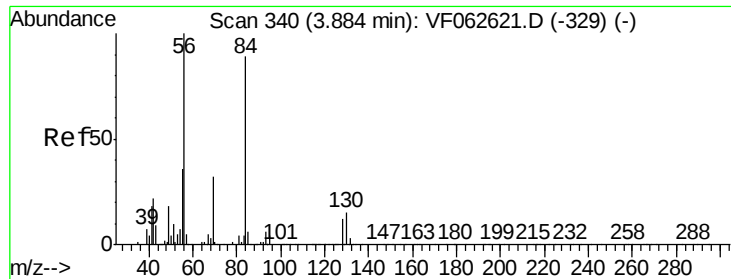
Tgt Ion:	42	Resp:	165949
Ion	Ratio	Lower	Upper
42	100		
72	44.6	38.2	57.2
71	45.7	35.8	53.6



#30
Chloroform
Concen: 22.197 ug/l
RT: 4.06 min Scan# 358
Delta R.T. 0.00 min
Lab File: VF062654.D
Acq: 20 May 2019 12:13

Tgt Ion:	83	Resp:	422668
Ion	Ratio	Lower	Upper
83	100		
85	62.5	53.6	80.4

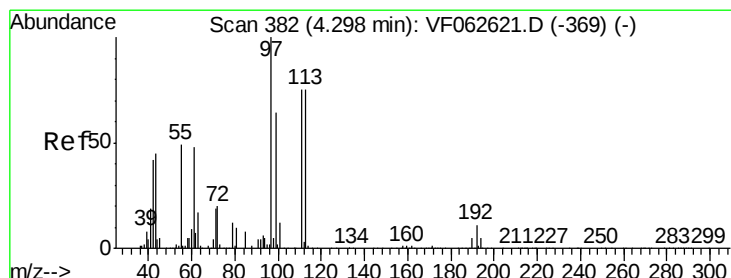
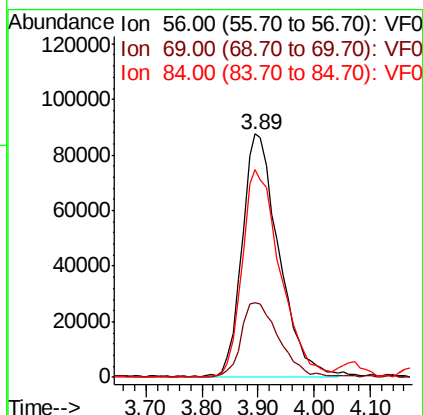
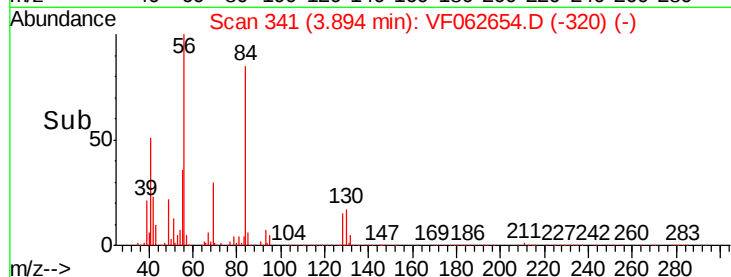
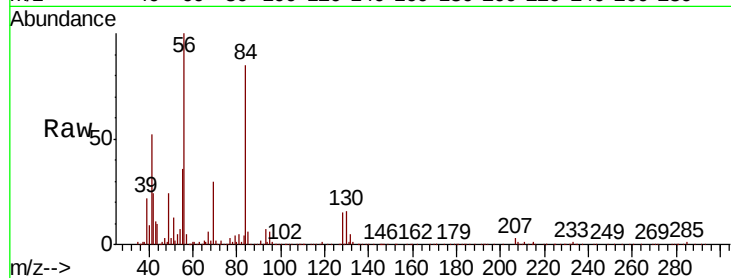




#31
Cyclohexane
Concen: 21.448 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.01 min
Lab File: VF062654.D
Acq: 20 May 2019 12:13

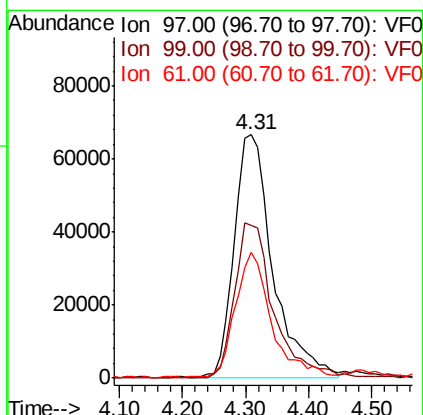
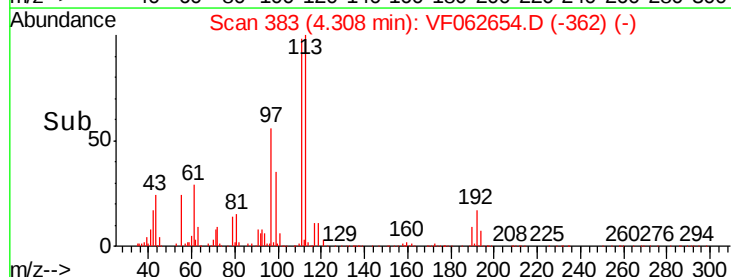
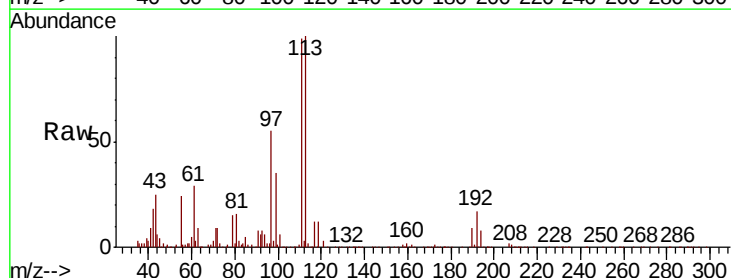
Instrument :
MSVOA_F
ClientSampleId :
VF0520SBS01

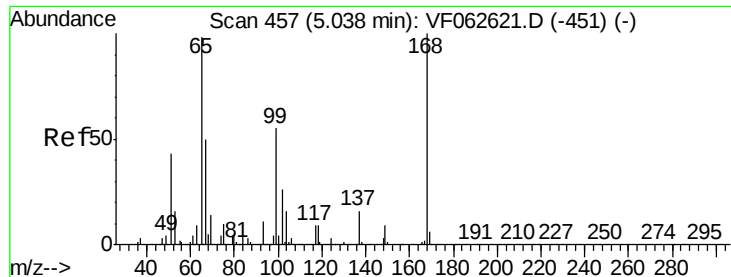
Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.5	25.3	37.9
84	85.3	71.0	106.4



#32
1,1,1-Trichloroethane
Concen: 22.246 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.01 min
Lab File: VF062654.D
Acq: 20 May 2019 12:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.3	76.9
61	51.7	38.2	57.2





#33

1,2-Dichloroethane-d4

Concen: 41.892 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF062654.D

Acq: 20 May 2019 12:13

Instrument :

MSVOA_F

ClientSampleId :

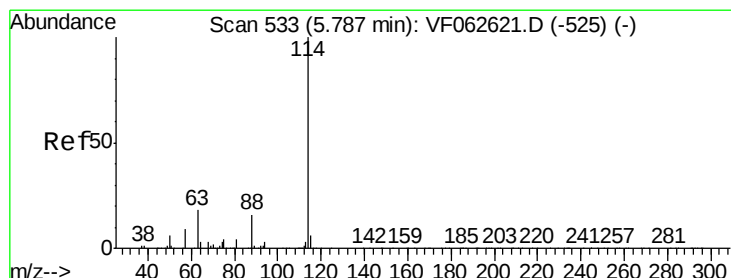
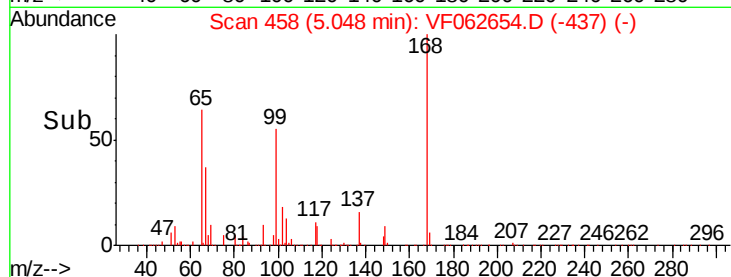
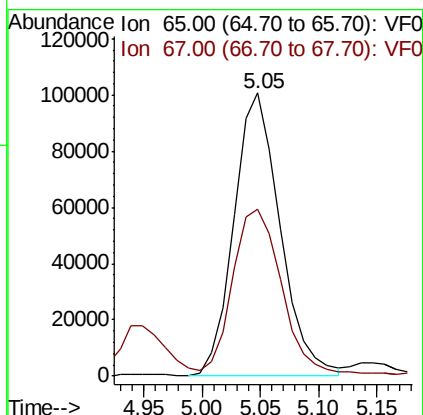
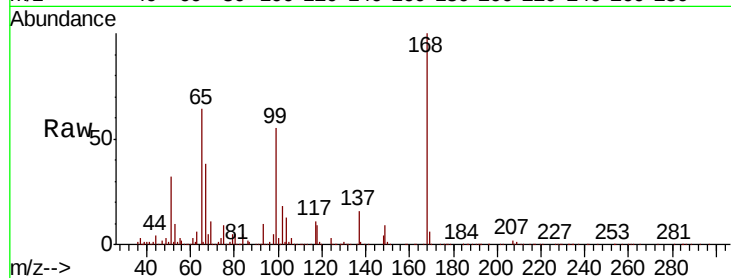
VF0520SBS01

Tgt Ion: 65 Resp: 275990

Ion Ratio Lower Upper

65 100

67 59.0 0.0 117.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 533

Delta R.T. 0.00 min

Lab File: VF062654.D

Acq: 20 May 2019 12:13

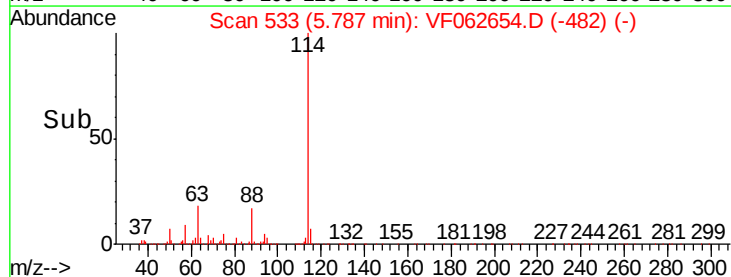
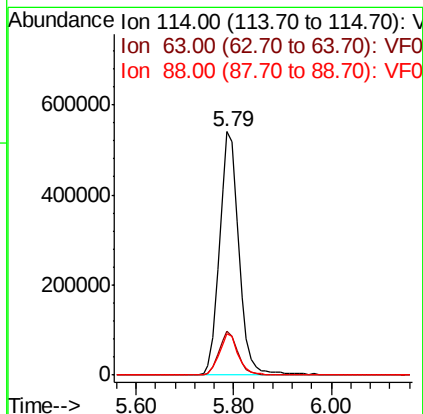
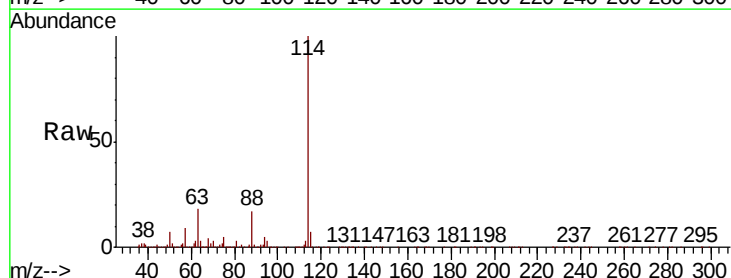
Tgt Ion: 114 Resp: 1496517

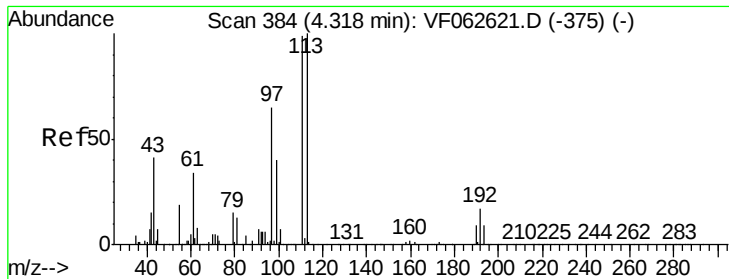
Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.4

88 16.8 0.0 32.4





#35

Dibromofluoromethane

Concen: 43.857 ug/l

RT: 4.33 min Scan# 385

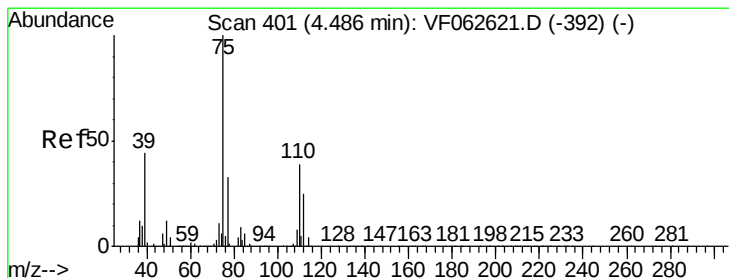
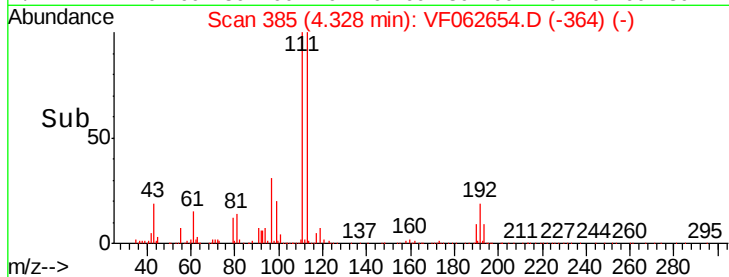
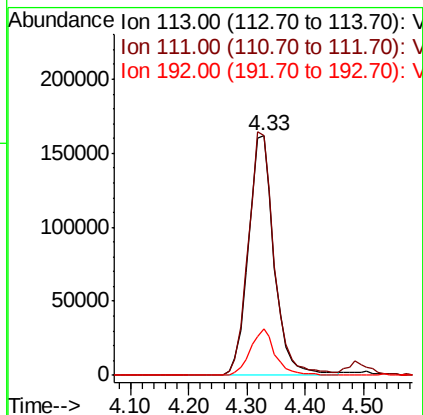
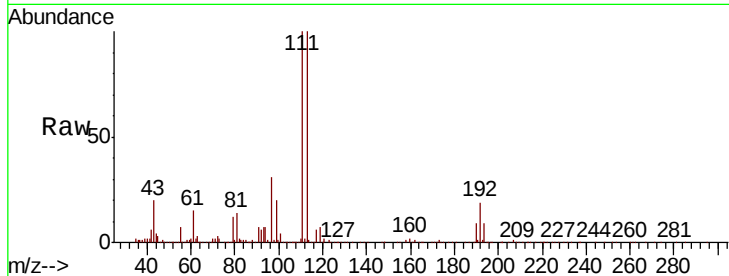
Delta R.T. 0.01 min

Lab File: VF062654.D

Acq: 20 May 2019 12:13

Instrument :
MSVOA_F
ClientSampleId :
VF0520SBS01

Tgt Ion:	113	Resp:	502222
Ion	Ratio	Lower	Upper
113	100		
111	100.0	79.4	119.2
192	19.4	13.4	20.2



#36

1,1-Dichloropropene

Concen: 20.532 ug/l

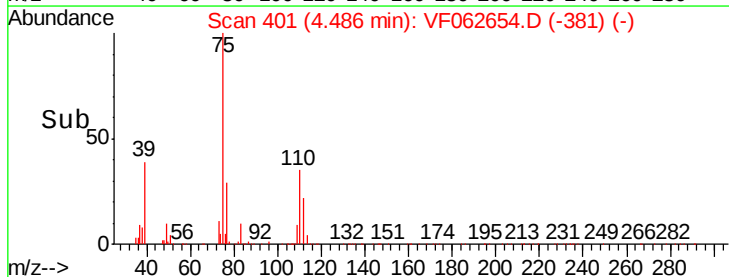
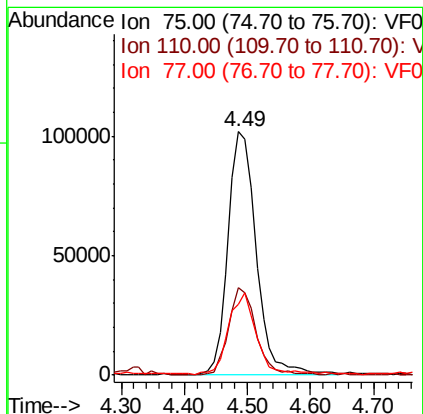
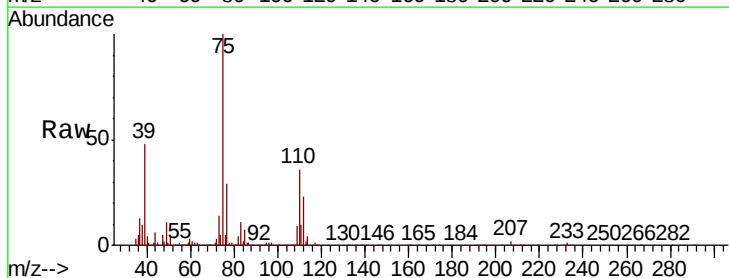
RT: 4.49 min Scan# 401

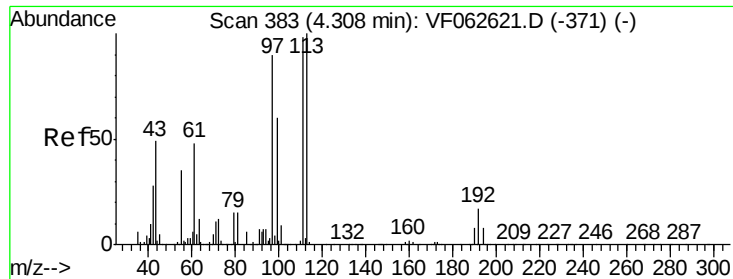
Delta R.T. 0.00 min

Lab File: VF062654.D

Acq: 20 May 2019 12:13

Tgt Ion:	75	Resp:	314851
Ion	Ratio	Lower	Upper
75	100		
110	35.8	19.7	59.1
77	29.2	26.3	39.5

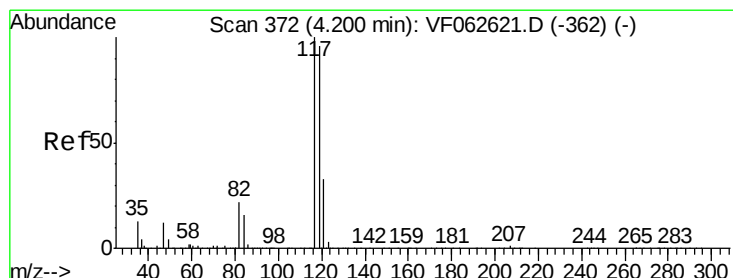
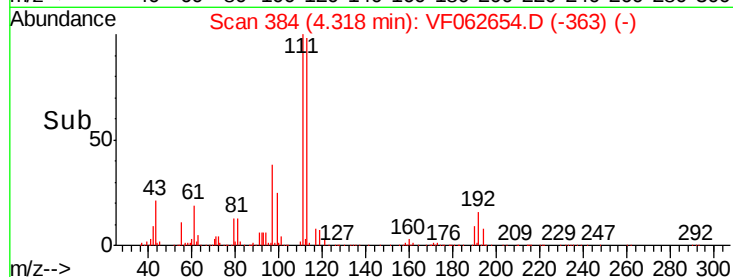
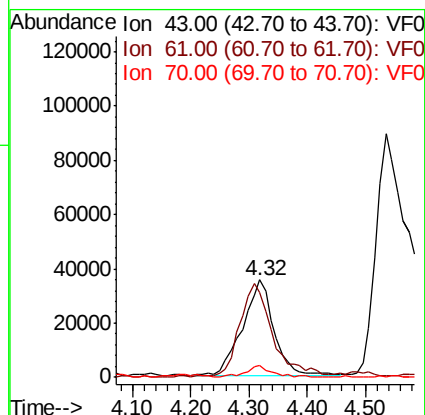
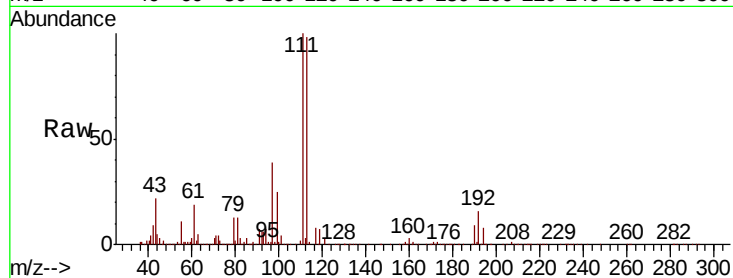




#37
Ethyl Acetate
Concen: 21.546 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.01 min
Lab File: VF062654.D
Acq: 20 May 2019 12:13

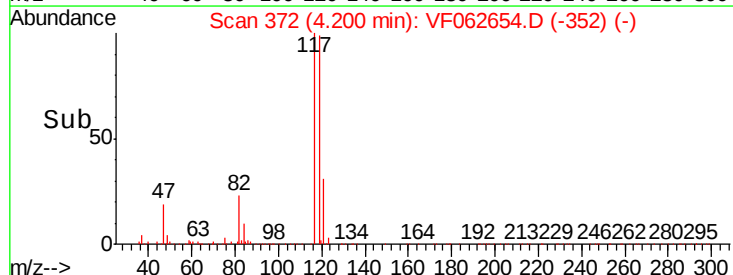
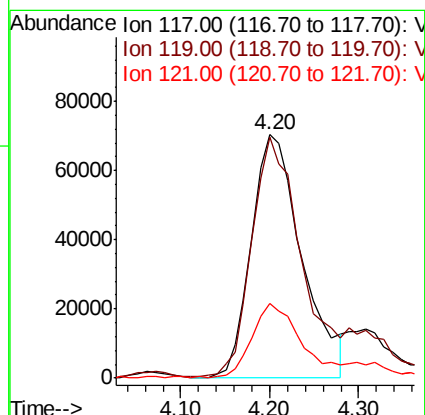
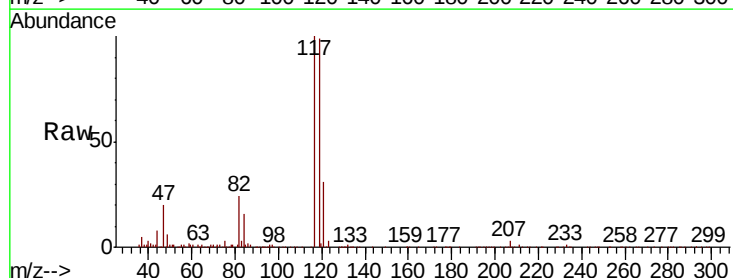
Instrument :
MSVOA_F
ClientSampleId :
VF0520SBS01

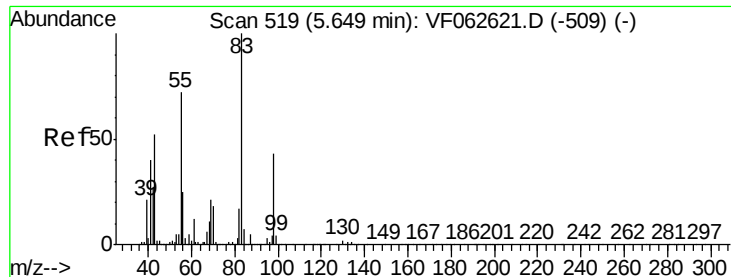
Tgt Ion	Ratio	Lower	Upper
43	100		
61	87.2	76.9	115.3
70	12.0	8.8	13.2



#38
Carbon Tetrachloride
Concen: 23.854 ug/l
RT: 4.20 min Scan# 372
Delta R.T. 0.00 min
Lab File: VF062654.D
Acq: 20 May 2019 12:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.0	76.7	115.1
121	30.8	26.6	40.0

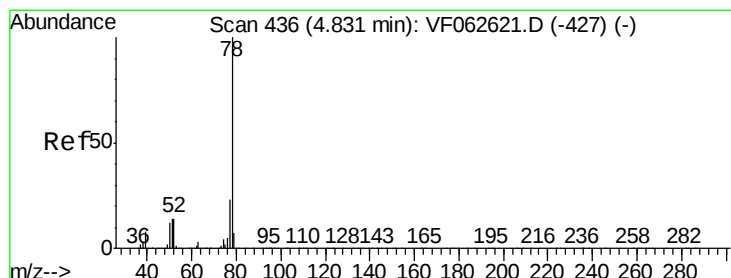
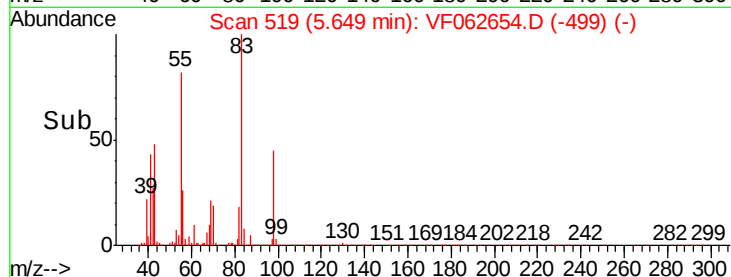
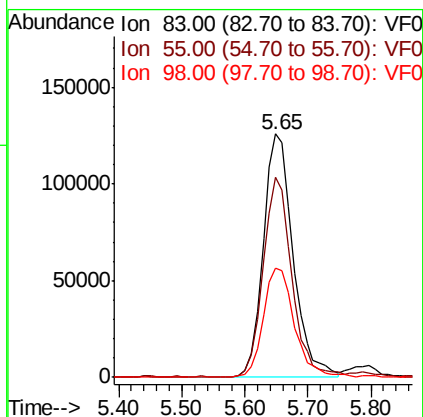
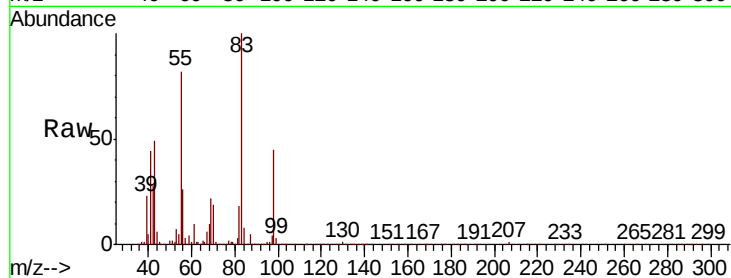




#39
Methylcyclohexane
Concen: 22.385 ug/l
RT: 5.65 min Scan# 519
Delta R.T. 0.00 min
Lab File: VF062654.D
Acq: 20 May 2019 12:13

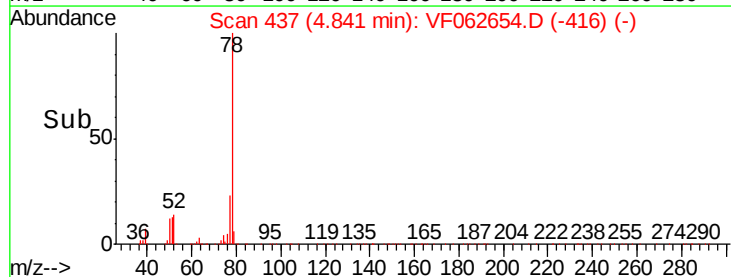
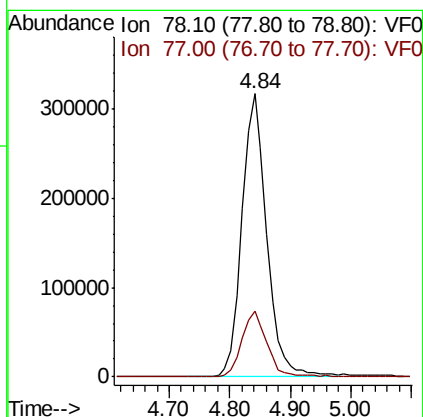
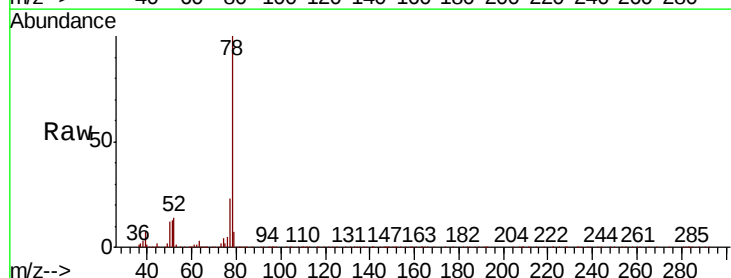
Instrument :
MSVOA_F
ClientSampleId :
VF0520SBS01

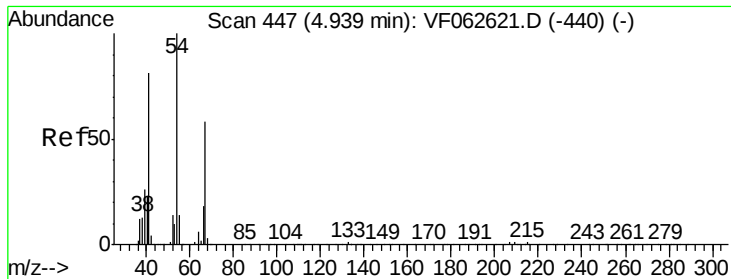
Tgt Ion: 83 Resp: 413028
Ion Ratio Lower Upper
83 100
55 82.2 57.9 86.9
98 44.9 34.6 52.0



#40
Benzene
Concen: 21.526 ug/l
RT: 4.84 min Scan# 437
Delta R.T. 0.01 min
Lab File: VF062654.D
Acq: 20 May 2019 12:13

Tgt Ion: 78 Resp: 899257
Ion Ratio Lower Upper
78 100
77 23.1 18.2 27.2





#41

Methacrylonitrile

Concen: 23.383 ug/l

RT: 4.95 min Scan# 448

Delta R.T. 0.01 min

Lab File: VF062654.D

Acq: 20 May 2019 12:13

Instrument :

MSVOA_F

ClientSampleId :

VF0520SBS01

Tgt Ion: 41 Resp: 76755

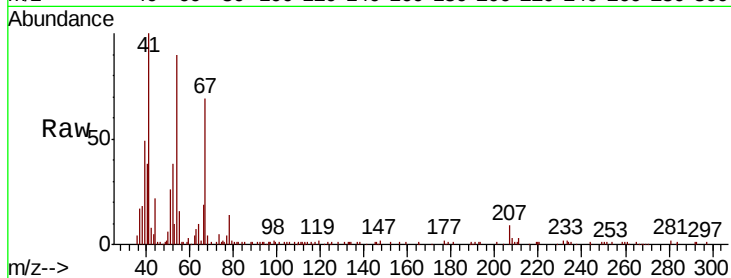
Ion Ratio Lower Upper

41 100

39 49.3 42.2 63.2

67 69.0 56.4 84.6

52 38.4 38.8 58.2#

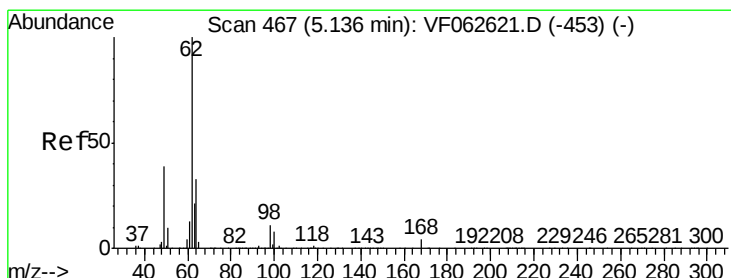
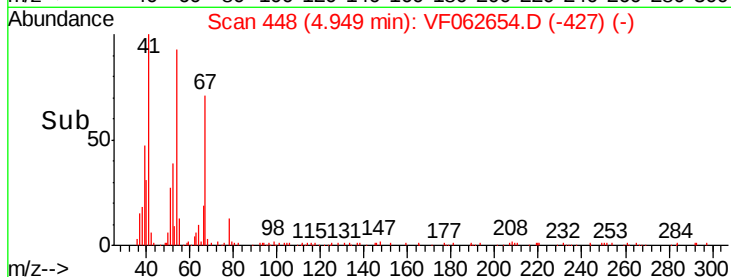
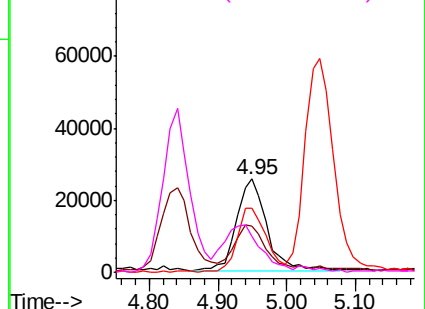


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 20.411 ug/l

RT: 5.15 min Scan# 468

Delta R.T. 0.01 min

Lab File: VF062654.D

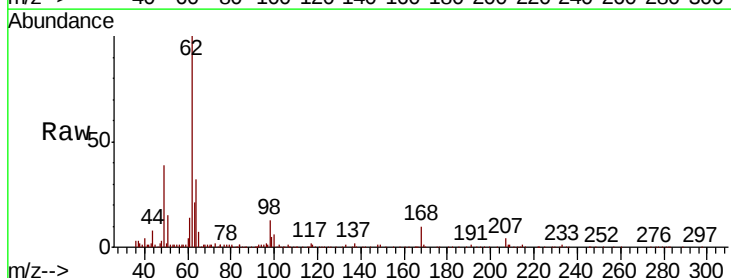
Acq: 20 May 2019 12:13

Tgt Ion: 62 Resp: 170043

Ion Ratio Lower Upper

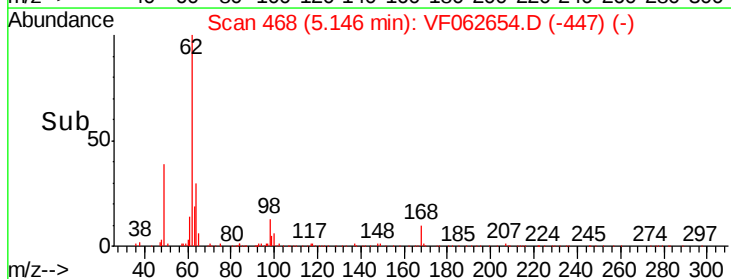
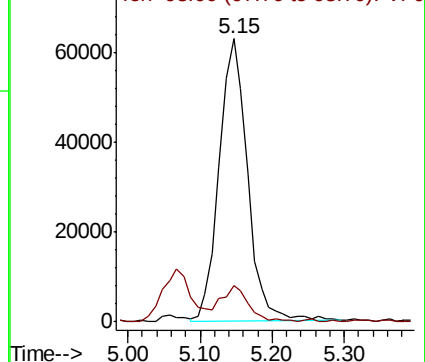
62 100

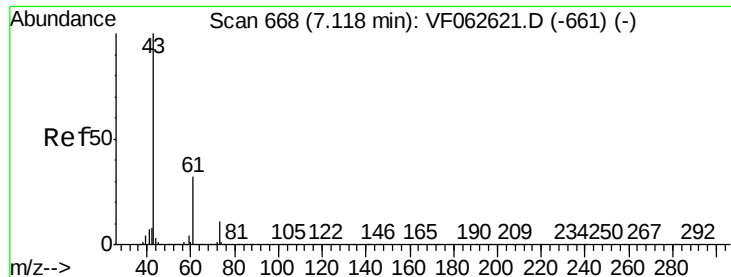
98 12.7 0.0 21.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 21.315 ug/l

RT: 7.13 min Scan# 669

Delta R.T. 0.01 min

Lab File: VF062654.D

Acq: 20 May 2019 12:13

Instrument :

MSVOA_F

ClientSampleId :

VF0520SBS01

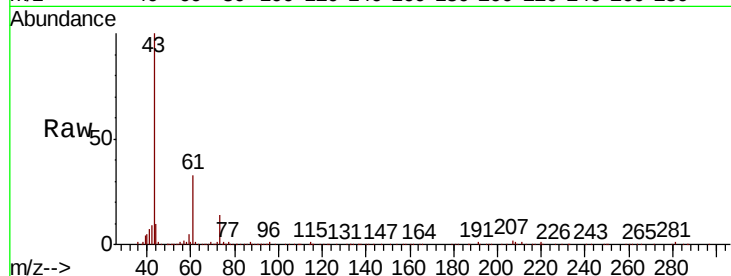
Tgt Ion: 43 Resp: 172901

Ion Ratio Lower Upper

43 100

61 33.1 25.8 38.8

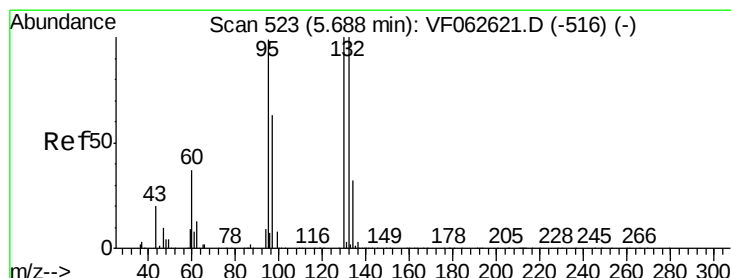
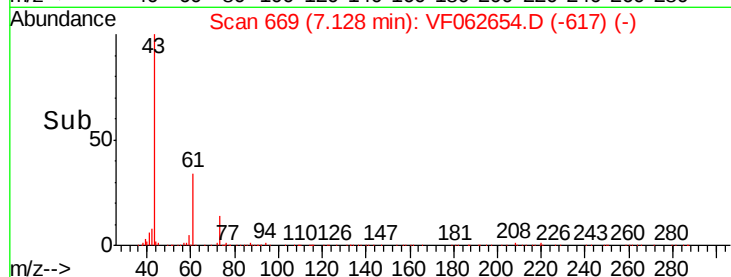
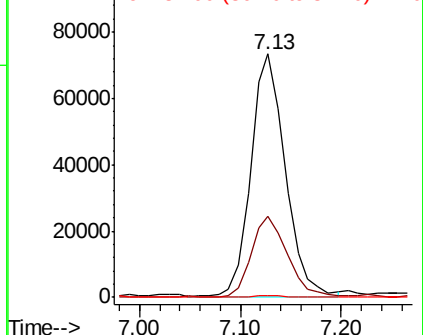
87 0.6 0.4 0.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 21.532 ug/l

RT: 5.70 min Scan# 524

Delta R.T. 0.01 min

Lab File: VF062654.D

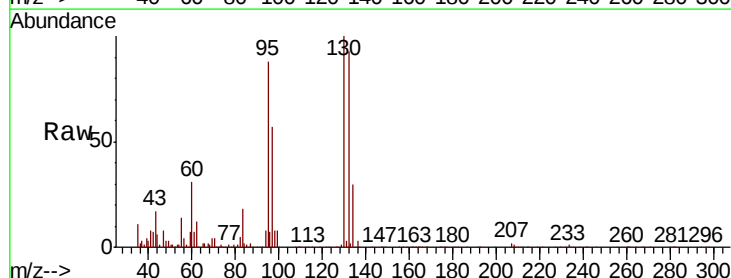
Acq: 20 May 2019 12:13

Tgt Ion: 130 Resp: 252810

Ion Ratio Lower Upper

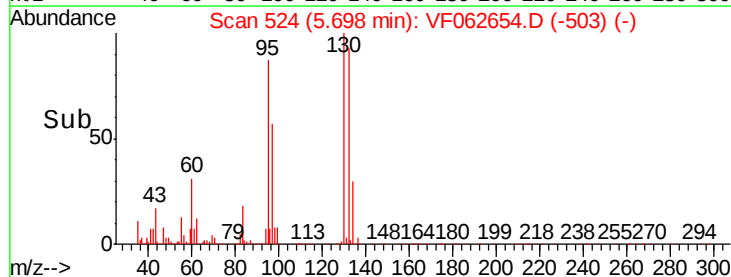
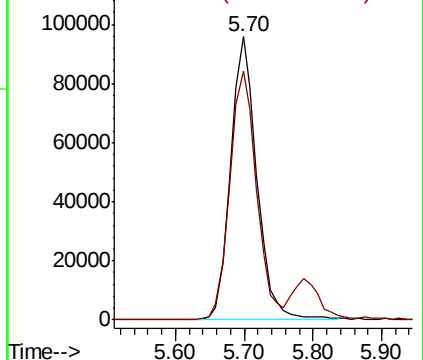
130 100

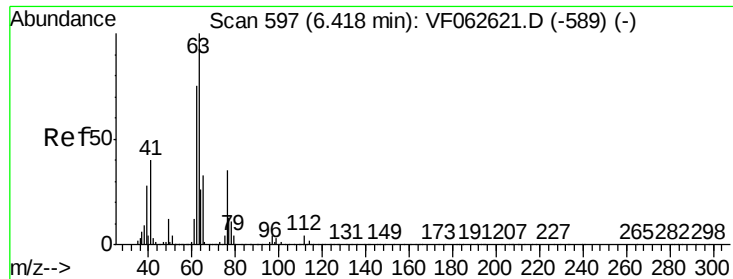
95 87.7 0.0 199.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

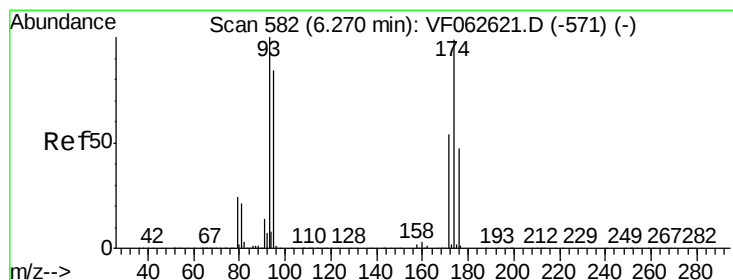
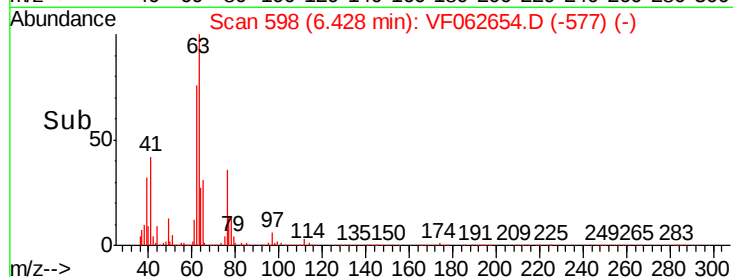
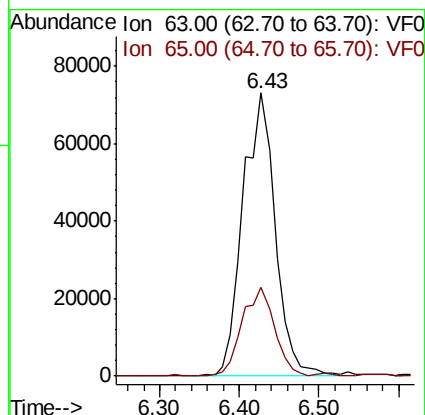
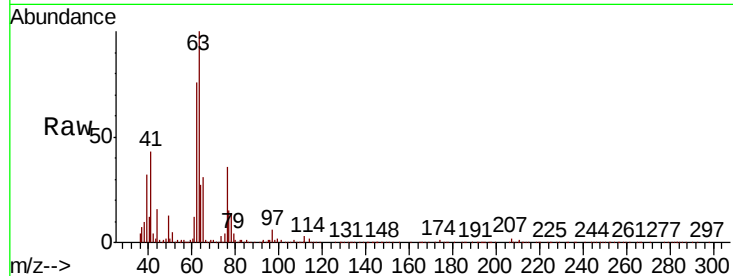




#45
 1,2-Dichloropropane
 Concen: 19.295 ug/l
 RT: 6.43 min Scan# 598
 Delta R.T. 0.01 min
 Lab File: VF062654.D
 Acq: 20 May 2019 12:13

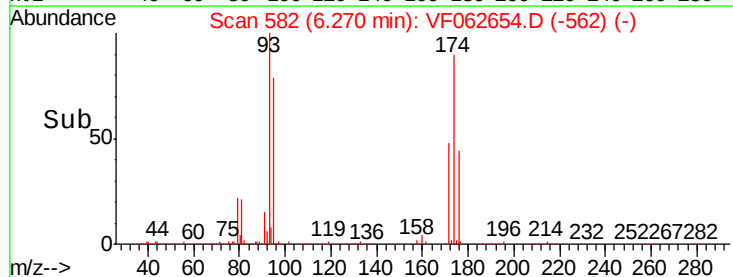
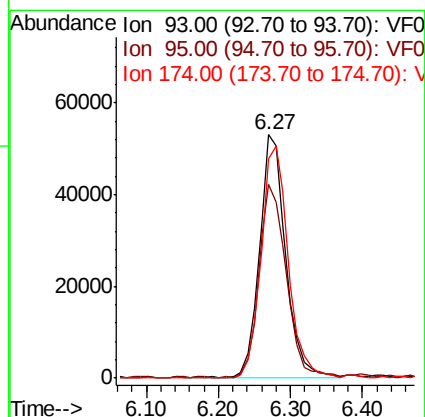
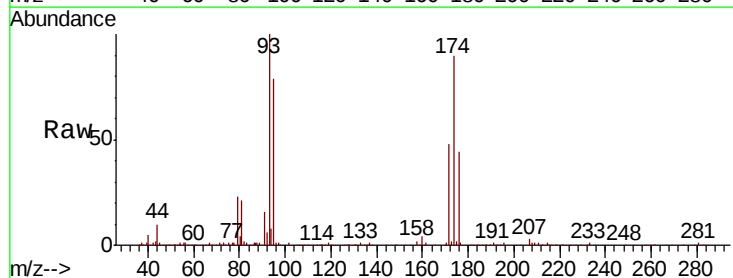
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0520SBS01

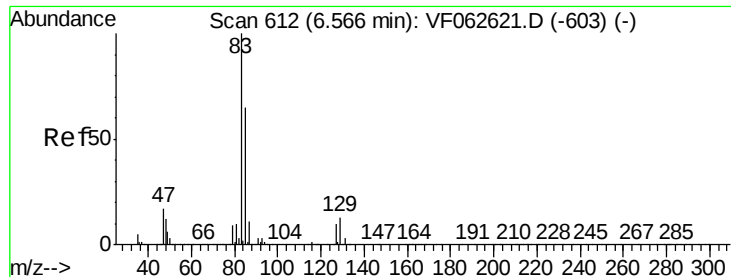
Tgt Ion: 63 Resp: 203484
 Ion Ratio Lower Upper
 63 100
 65 31.4 26.3 39.5



#46
 Dibromomethane
 Concen: 22.185 ug/l
 RT: 6.27 min Scan# 582
 Delta R.T. 0.00 min
 Lab File: VF062654.D
 Acq: 20 May 2019 12:13

Tgt Ion: 93 Resp: 135209
 Ion Ratio Lower Upper
 93 100
 95 80.8 67.4 101.2
 174 90.3 79.4 119.2





#47

Bromodichloromethane

Concen: 22.296 ug/l

RT: 6.57 min Scan# 612

Delta R.T. 0.00 min

Lab File: VF062654.D

Acq: 20 May 2019 12:13

Instrument :

MSVOA_F

ClientSampleId :

VF0520SBS01

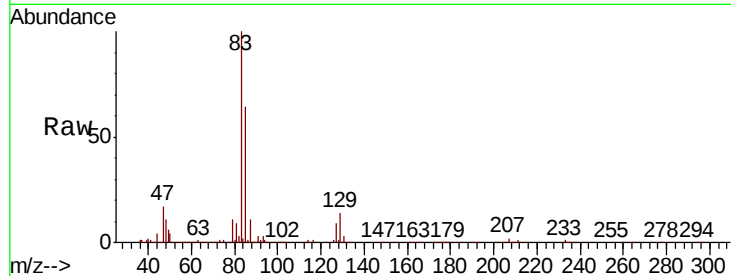
Tgt Ion: 83 Resp: 282097

Ion Ratio Lower Upper

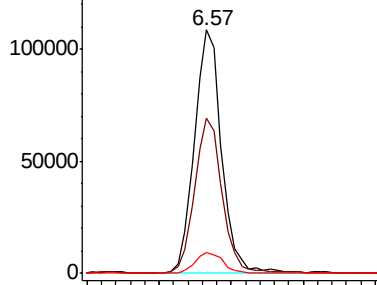
83 100

85 63.7 52.0 78.0

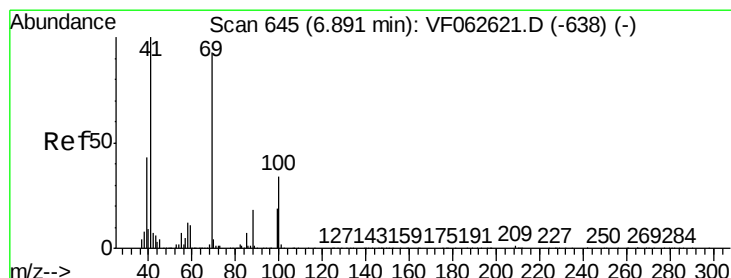
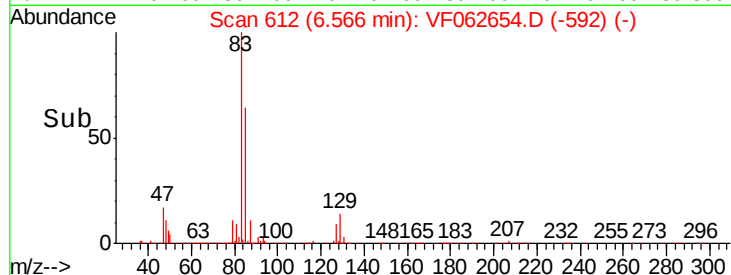
127 8.6 7.7 11.5



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



Time-->



#48

Methyl methacrylate

Concen: 22.797 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.00 min

Lab File: VF062654.D

Acq: 20 May 2019 12:13

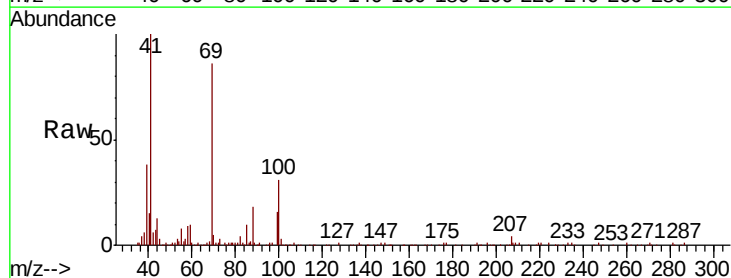
Tgt Ion: 41 Resp: 96655

Ion Ratio Lower Upper

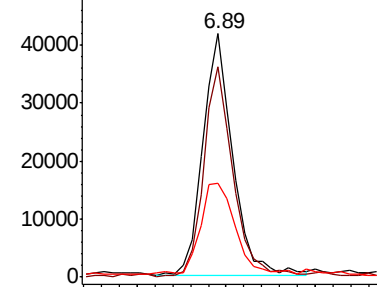
41 100

69 86.2 74.2 111.2

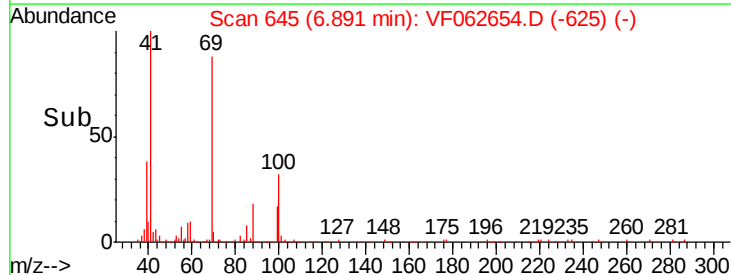
39 38.4 34.2 51.4

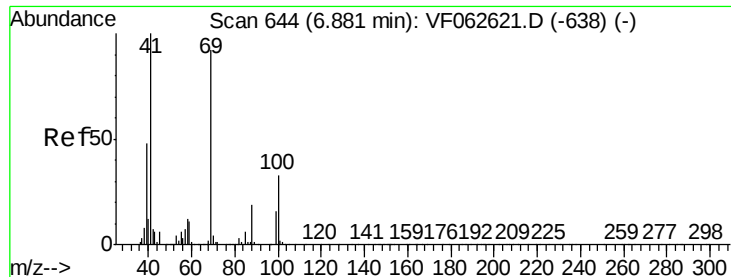


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0



Time-->

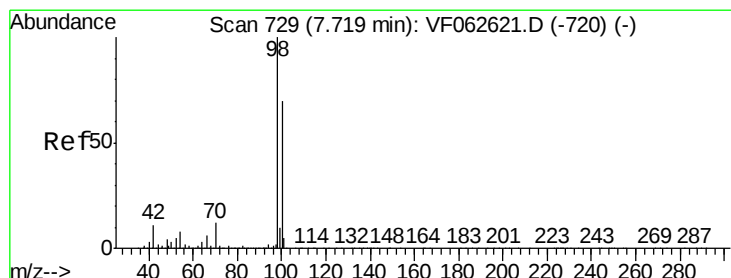
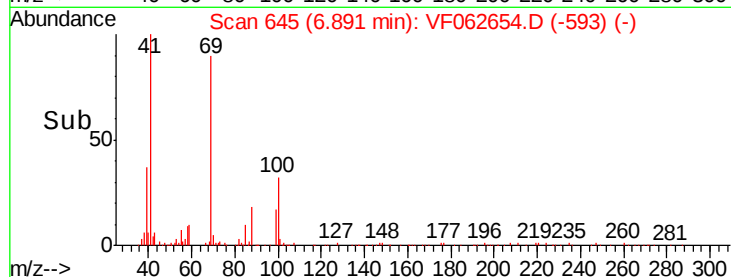
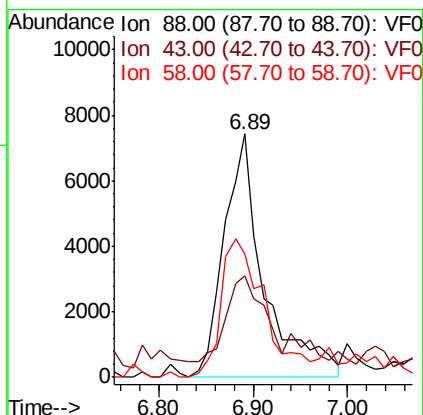
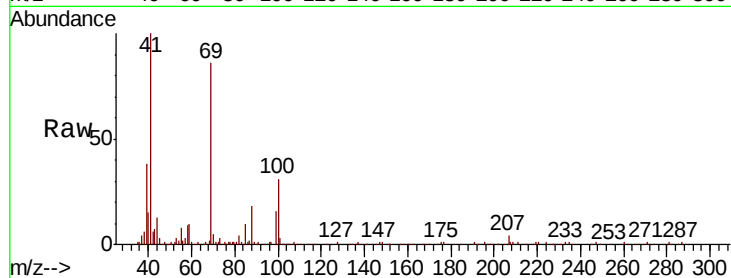




#49
1,4-Dioxane
Concen: 403.367 ug/l
RT: 6.89 min Scan# 645
Delta R.T. 0.01 min
Lab File: VF062654.D
Acq: 20 May 2019 12:13

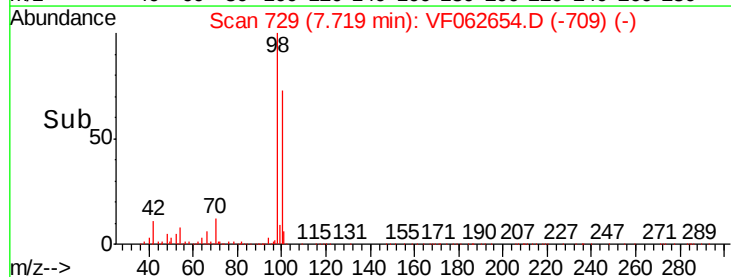
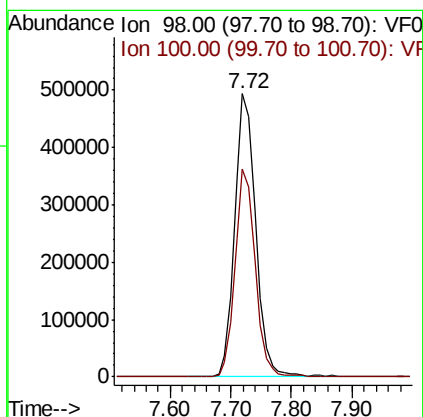
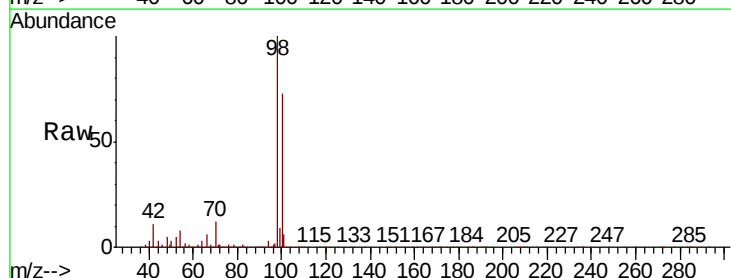
Instrument :
MSVOA_F
ClientSampleId :
VF0520SBS01

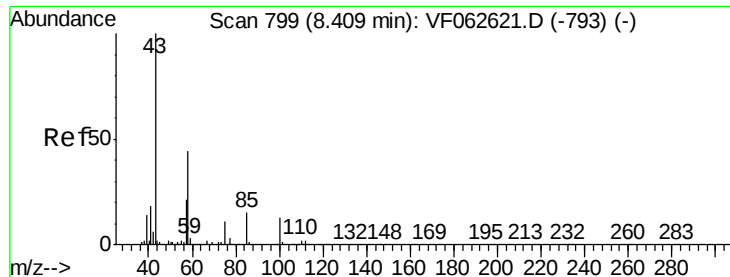
Tgt Ion: 88 Resp: 21904
Ion Ratio Lower Upper
88 100
43 41.6 30.0 45.0
58 50.7 51.1 76.7#



#50
Toluene-d8
Concen: 43.585 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF062654.D
Acq: 20 May 2019 12:13

Tgt Ion: 98 Resp: 1191673
Ion Ratio Lower Upper
98 100
100 73.5 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 110.906 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF062654.D

Acq: 20 May 2019 12:13

Instrument :

MSVOA_F

ClientSampleId :

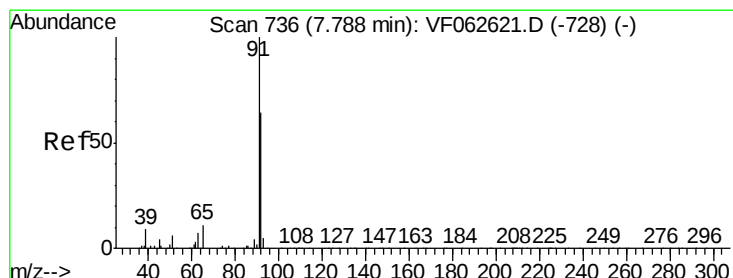
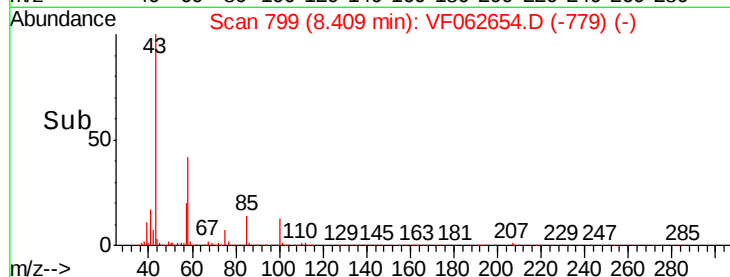
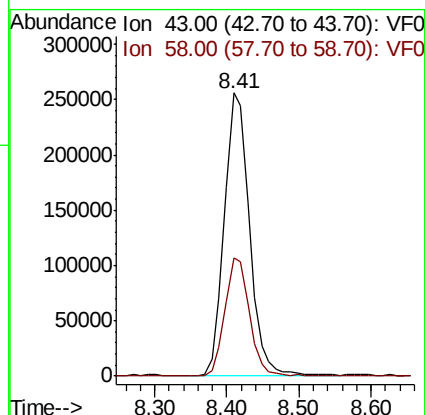
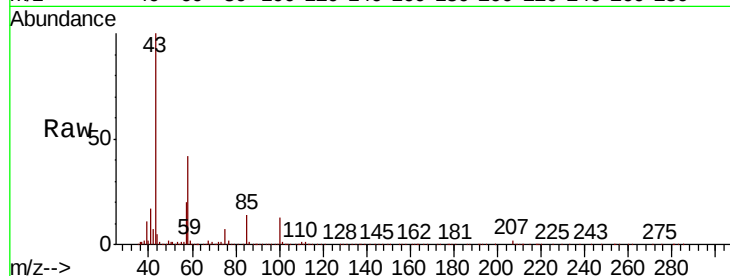
VF0520SBS01

Tgt Ion: 43 Resp: 614925

Ion Ratio Lower Upper

43 100

58 41.9 34.9 52.3



#52

Toluene

Concen: 21.540 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF062654.D

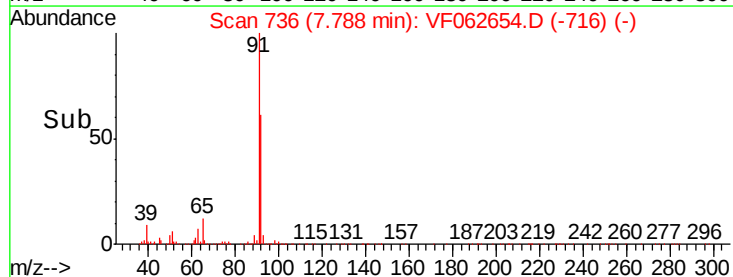
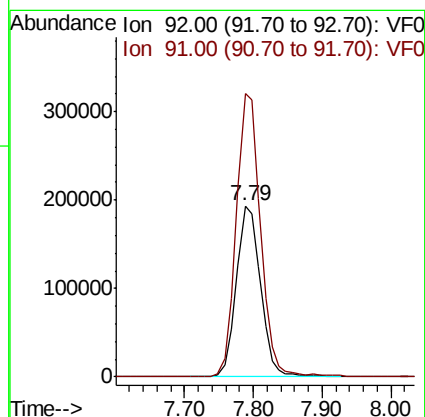
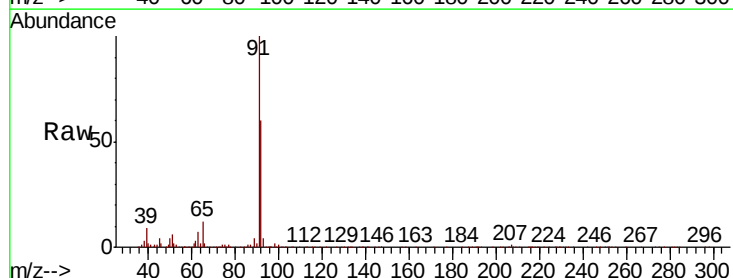
Acq: 20 May 2019 12:13

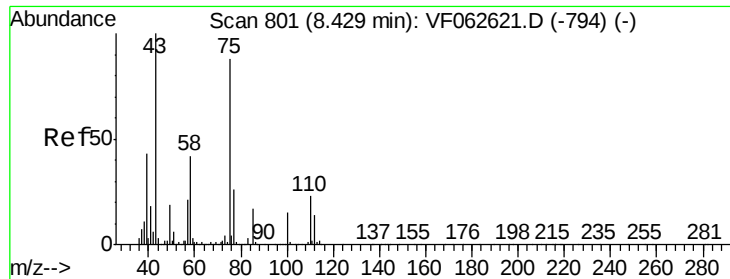
Tgt Ion: 92 Resp: 471916

Ion Ratio Lower Upper

92 100

91 165.4 125.4 188.0





#53

t-1,3-Dichloropropene

Concen: 23.183 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.01 min

Lab File: VF062654.D

Acq: 20 May 2019 12:13

Instrument :

MSVOA_F

ClientSampleId :

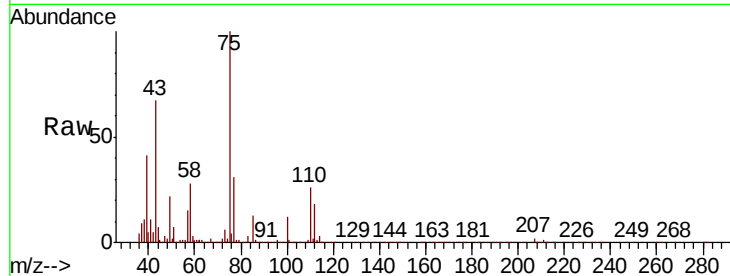
VF0520SBS01

Tgt Ion: 75 Resp: 239978

Ion Ratio Lower Upper

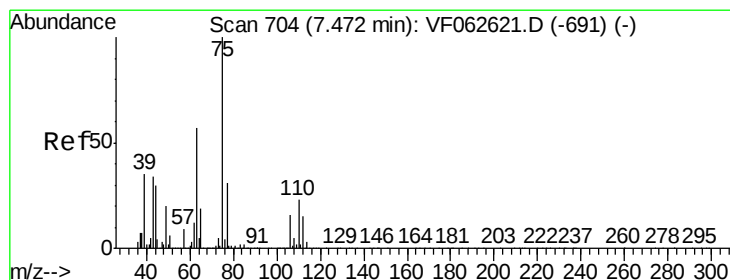
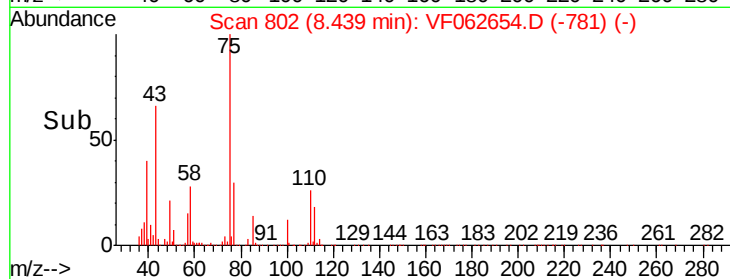
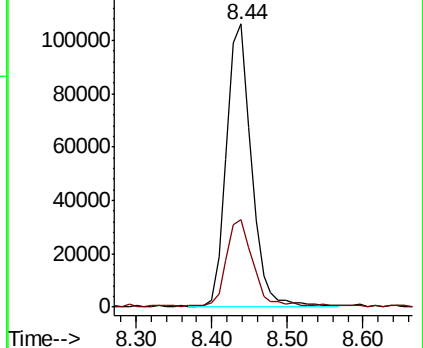
75 100

77 30.9 24.2 36.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 22.886 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.00 min

Lab File: VF062654.D

Acq: 20 May 2019 12:13

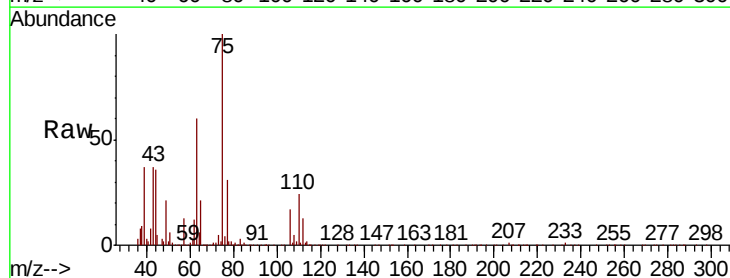
Tgt Ion: 75 Resp: 331624

Ion Ratio Lower Upper

75 100

77 31.3 25.3 37.9

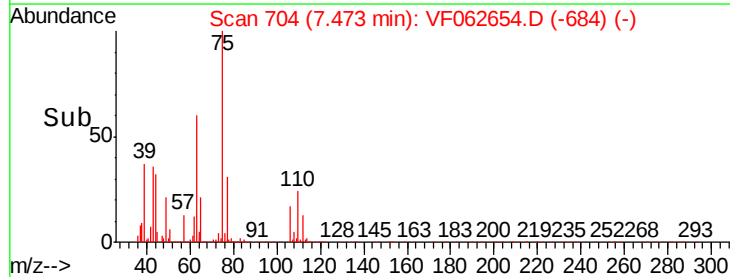
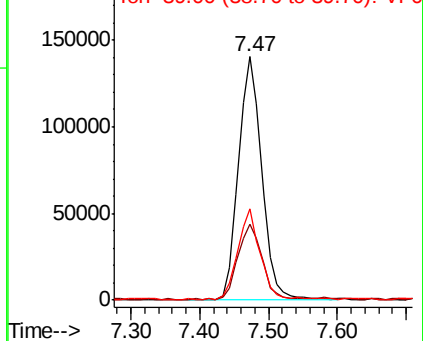
39 37.5 28.2 42.2

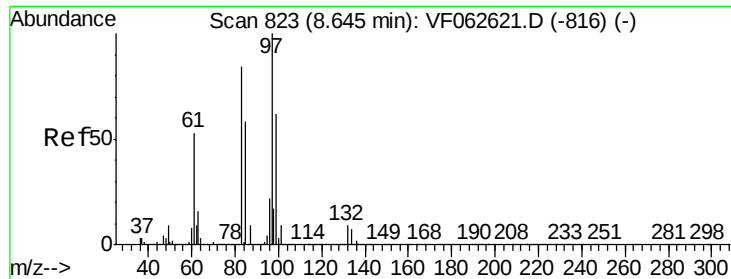


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 22.711 ug/l

RT: 8.65 min Scan# 823

Delta R.T. 0.00 min

Lab File: VF062654.D

Acq: 20 May 2019 12:13

Instrument :

MSVOA_F

ClientSampleId :

VF0520SBS01

Tgt Ion: 97 Resp: 147328

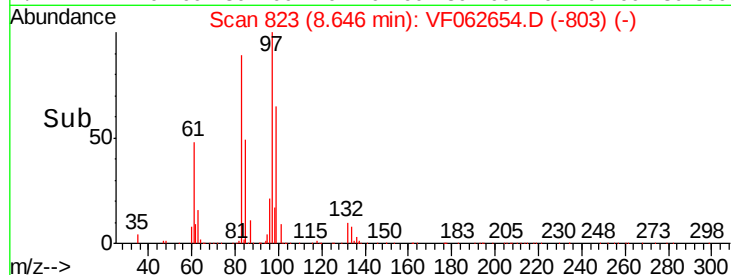
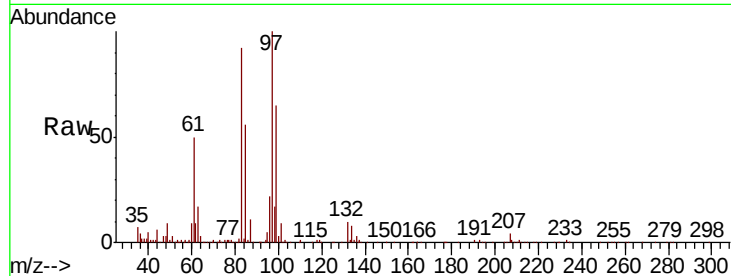
Ion Ratio Lower Upper

97 100

83 92.0 67.3 100.9

85 56.3 46.6 69.8

99 64.9 49.7 74.5

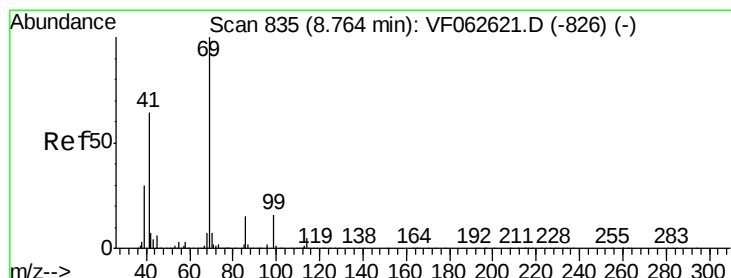
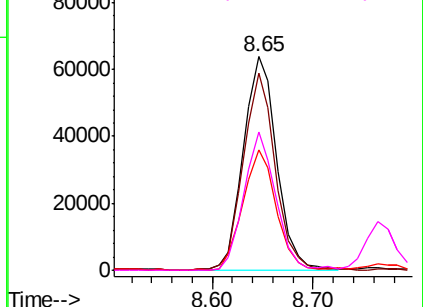


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 22.022 ug/l

RT: 8.76 min Scan# 835

Delta R.T. 0.00 min

Lab File: VF062654.D

Acq: 20 May 2019 12:13

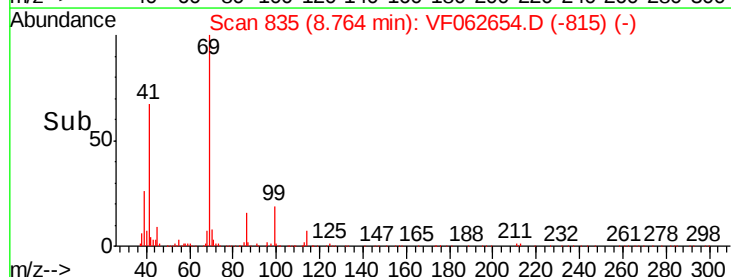
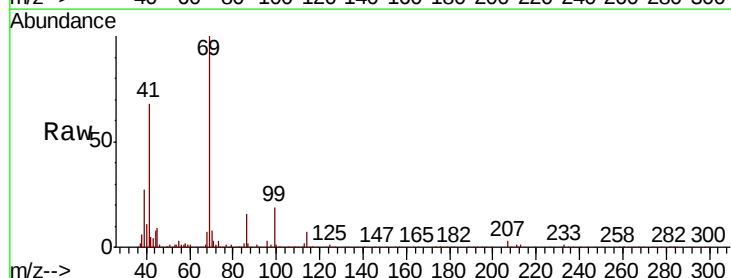
Tgt Ion: 69 Resp: 170199

Ion Ratio Lower Upper

69 100

41 68.5 51.4 77.2

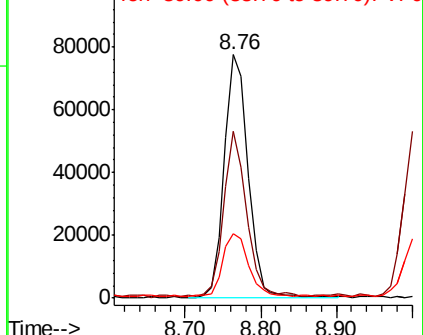
39 26.7 23.6 35.4

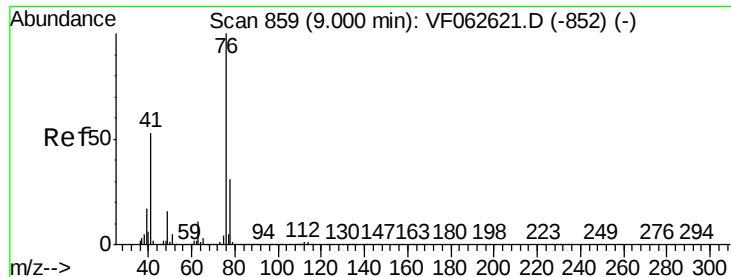


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

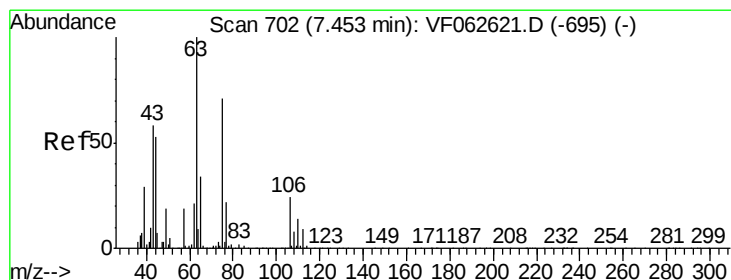
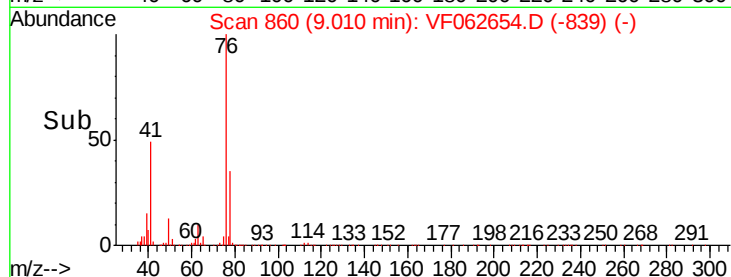
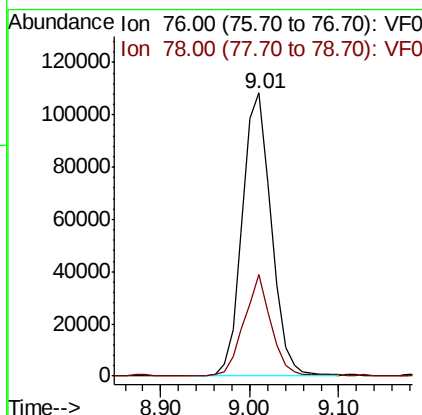
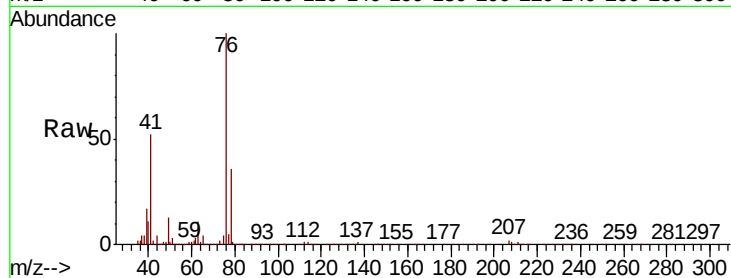




#57
 1,3-Dichloropropane
 Concen: 22.215 ug/l
 RT: 9.01 min Scan# 860
 Delta R.T. 0.01 min
 Lab File: VF062654.D
 Acq: 20 May 2019 12:13

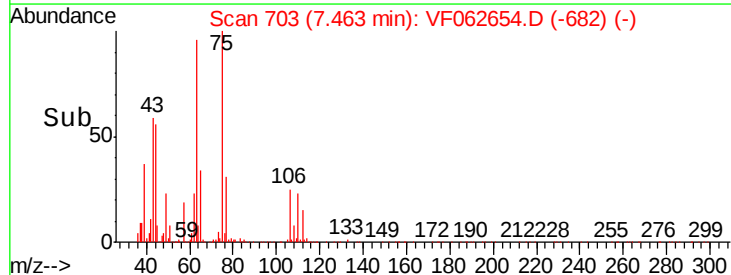
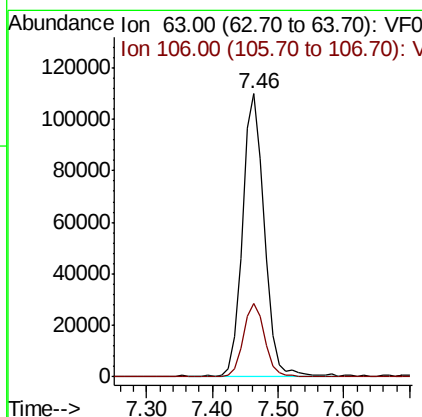
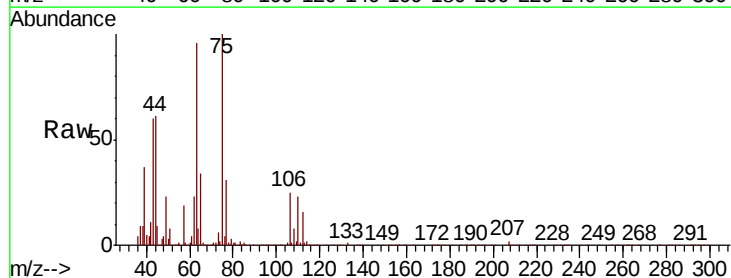
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0520SBS01

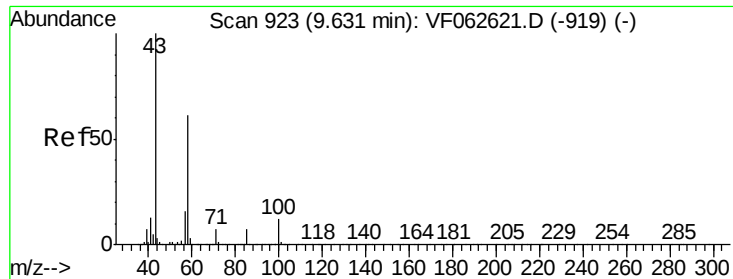
Tgt Ion: 76 Resp: 245458
 Ion Ratio Lower Upper
 76 100
 78 35.8 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.601 ug/l
 RT: 7.46 min Scan# 703
 Delta R.T. 0.01 min
 Lab File: VF062654.D
 Acq: 20 May 2019 12:13

Tgt Ion: 63 Resp: 255590
 Ion Ratio Lower Upper
 63 100
 106 26.1 19.1 28.7

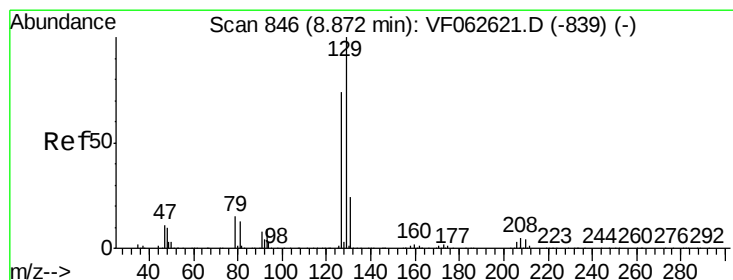
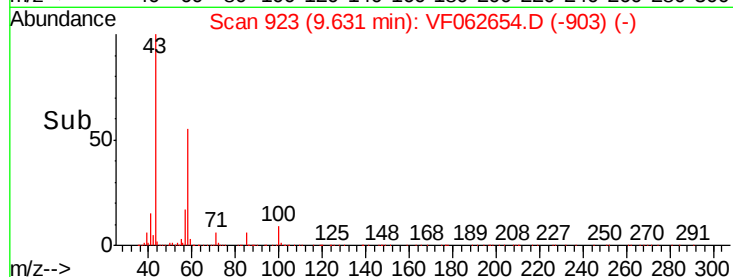
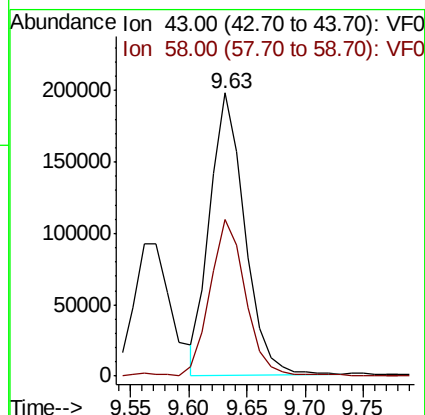
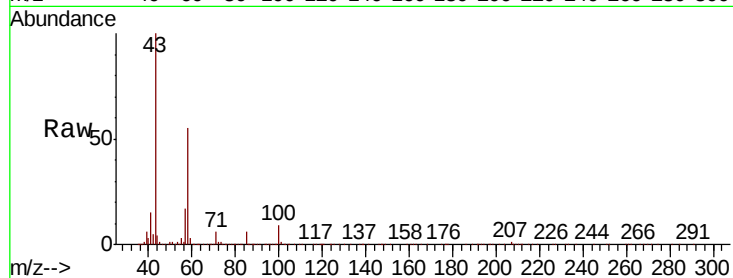




#59
2-Hexanone
Concen: 102.858 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF062654.D
Acq: 20 May 2019 12:13

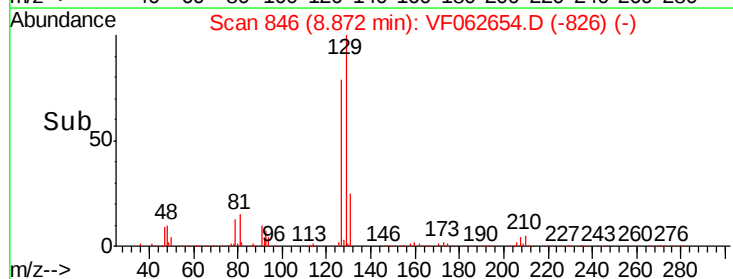
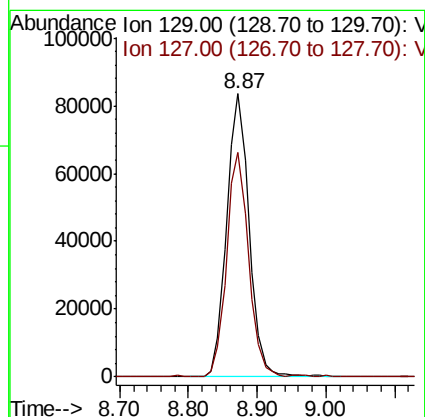
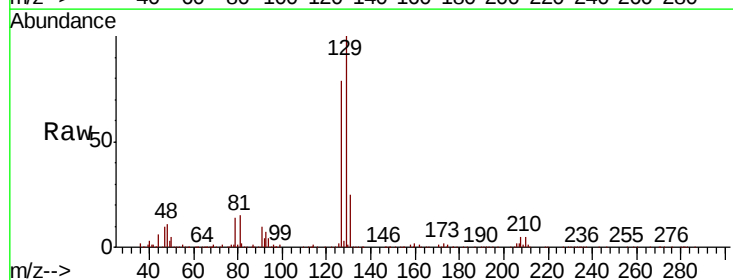
Instrument :
MSVOA_F
ClientSampleId :
VF0520SBS01

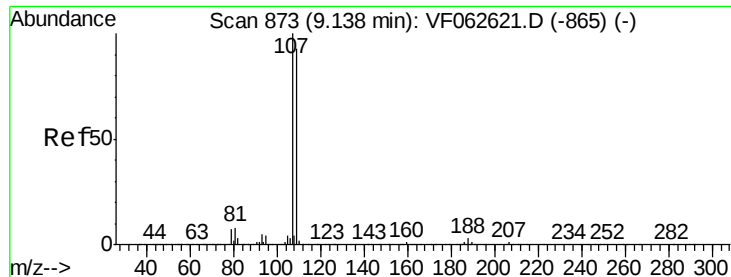
Tgt Ion: 43 Resp: 408896
Ion Ratio Lower Upper
43 100
58 55.1 28.1 84.4



#60
Dibromochloromethane
Concen: 22.427 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF062654.D
Acq: 20 May 2019 12:13

Tgt Ion: 129 Resp: 189615
Ion Ratio Lower Upper
129 100
127 78.2 37.2 111.6





#61

1,2-Dibromoethane

Concen: 22.210 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF062654.D

Acq: 20 May 2019 12:13

Instrument :

MSVOA_F

ClientSampleId :

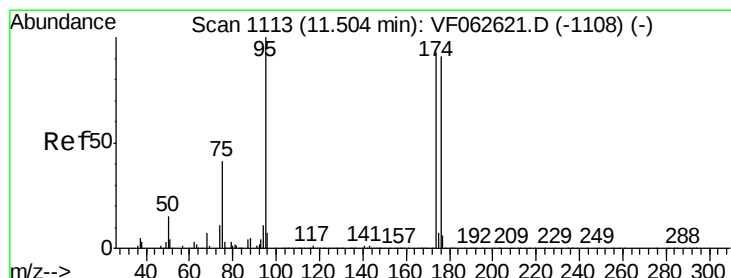
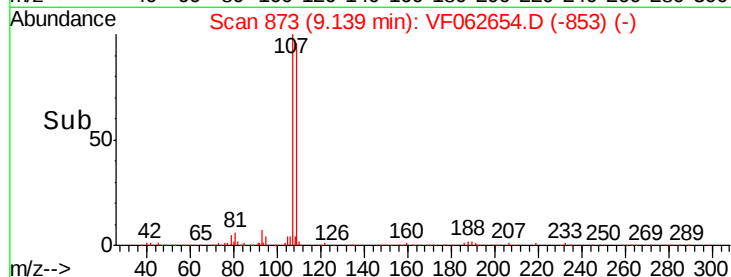
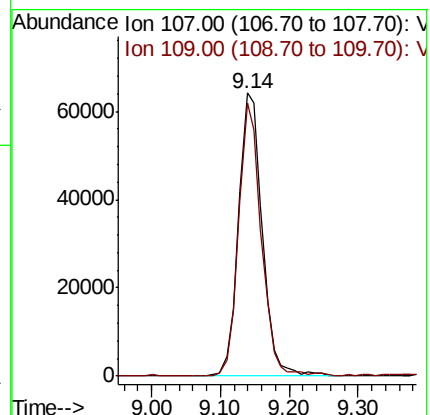
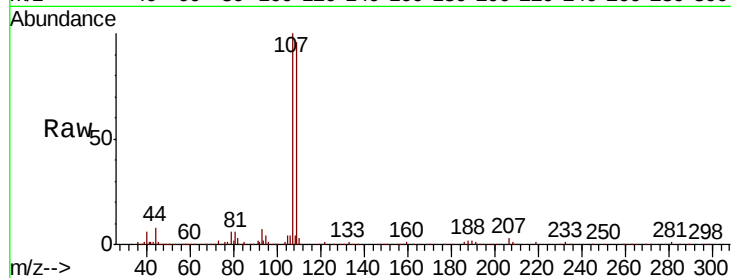
VF0520SBS01

Tgt Ion: 107 Resp: 153032

Ion Ratio Lower Upper

107 100

109 96.4 74.8 112.2



#62

4-Bromofluorobenzene

Concen: 44.594 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF062654.D

Acq: 20 May 2019 12:13

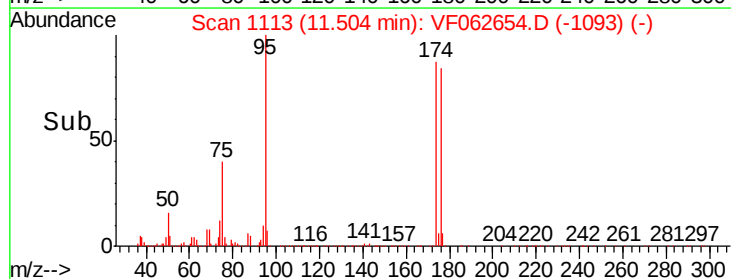
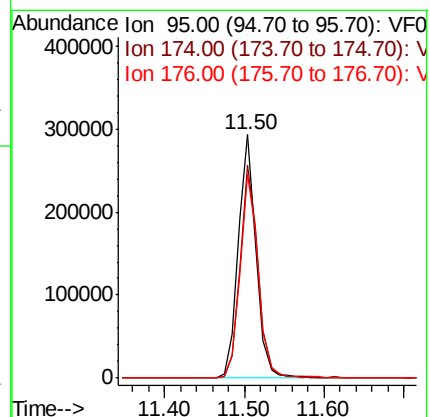
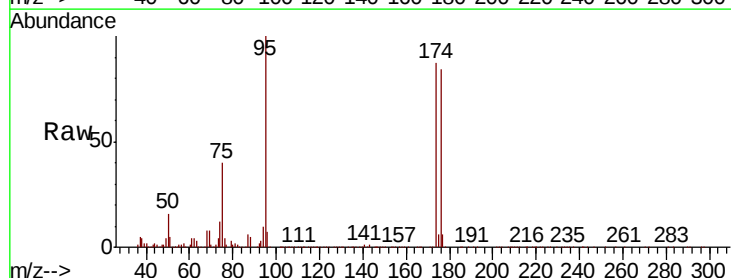
Tgt Ion: 95 Resp: 462429

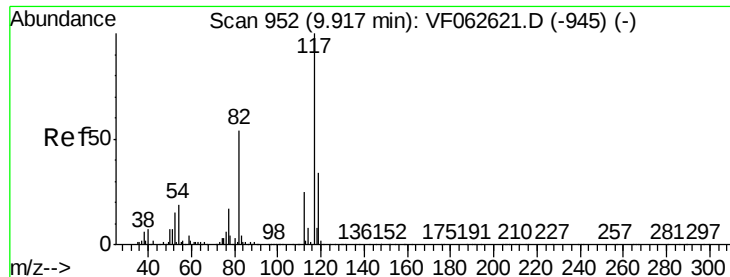
Ion Ratio Lower Upper

95 100

174 87.3 0.0 185.6

176 83.7 0.0 182.4

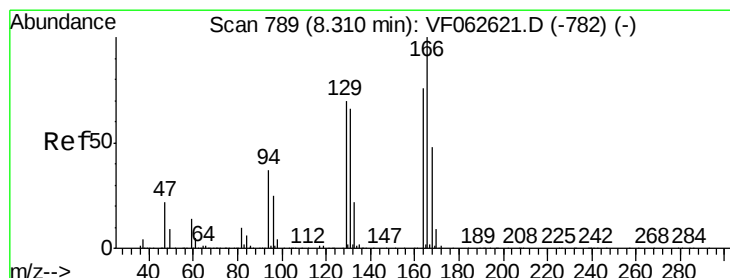
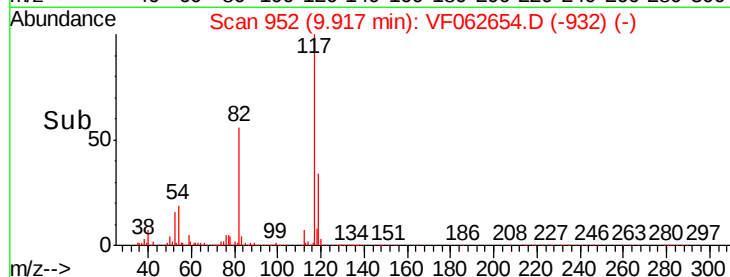
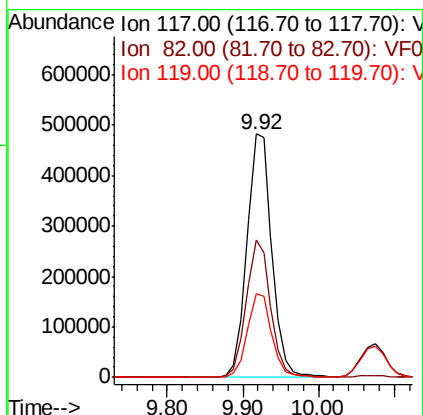
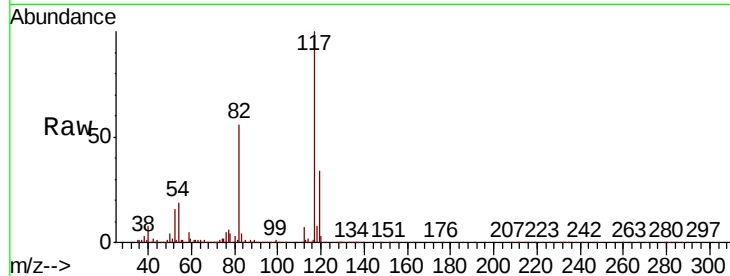




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF062654.D
Acq: 20 May 2019 12:13

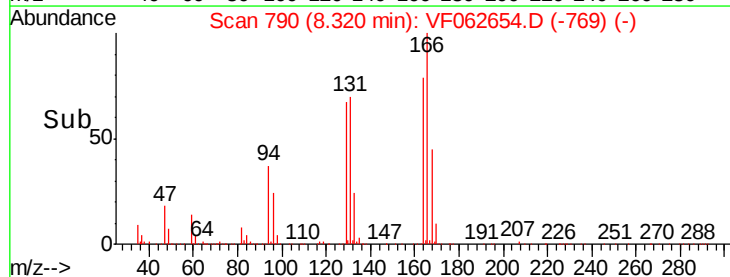
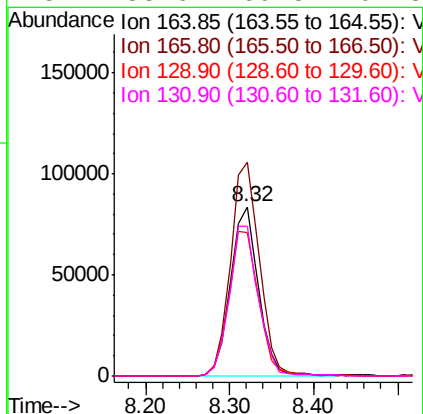
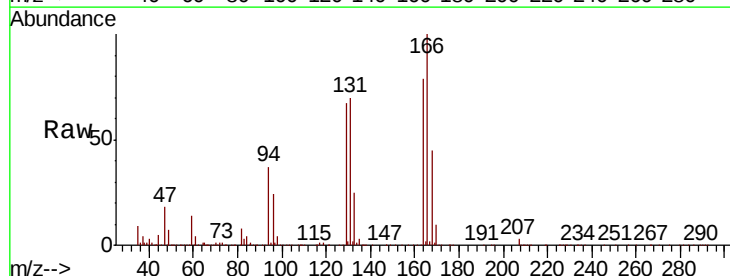
Instrument :
MSVOA_F
ClientSampleId :
VF0520SBS01

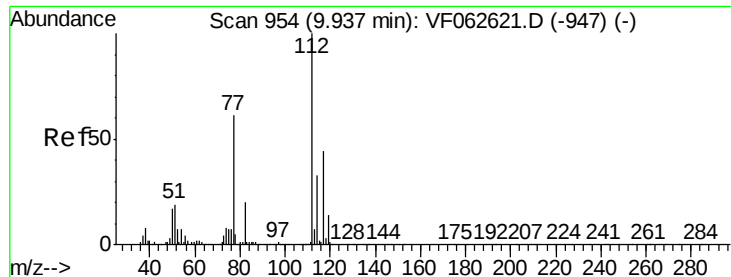
Tgt Ion:117 Resp: 1112522
Ion Ratio Lower Upper
117 100
82 56.4 43.3 64.9
119 34.5 27.4 41.0



#64
Tetrachloroethene
Concen: 22.073 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.01 min
Lab File: VF062654.D
Acq: 20 May 2019 12:13

Tgt Ion:164 Resp: 194546
Ion Ratio Lower Upper
164 100
166 126.2 105.5 158.3
129 84.5 73.8 110.6
131 88.6 69.5 104.3

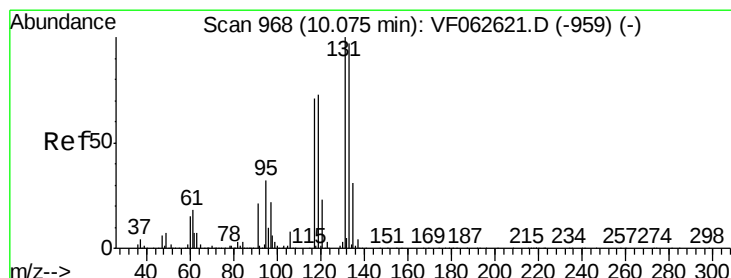
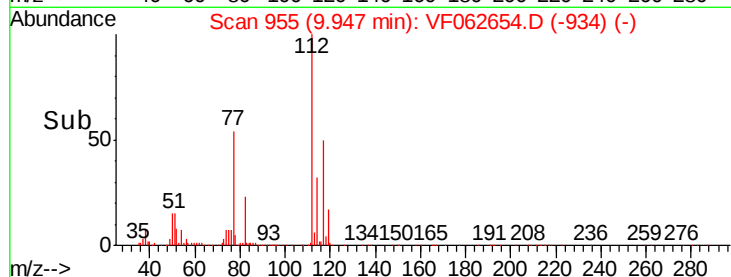
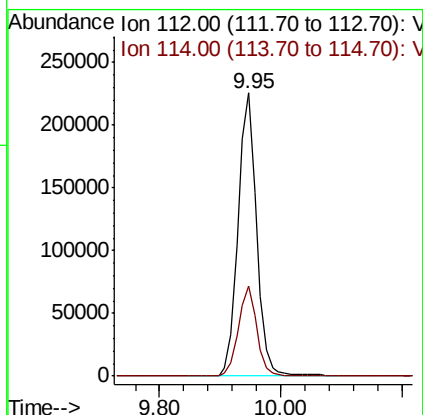
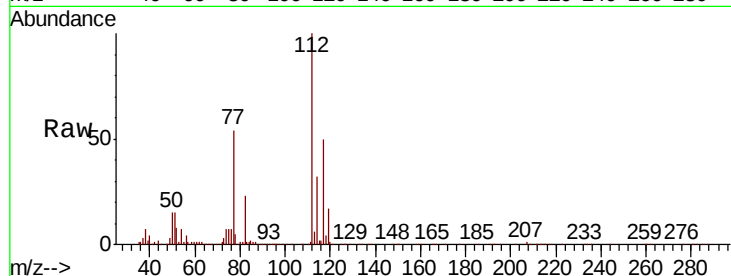




#65
Chlorobenzene
Concen: 21.976 ug/l
RT: 9.95 min Scan# 955
Delta R.T. 0.01 min
Lab File: VF062654.D
Acq: 20 May 2019 12:13

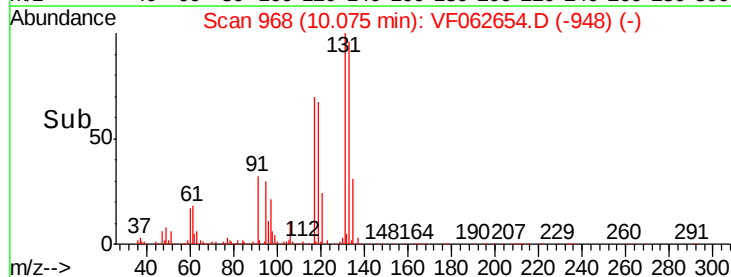
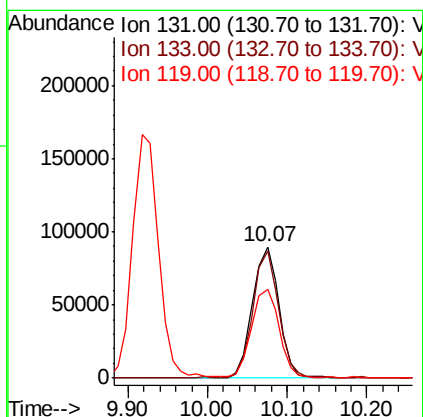
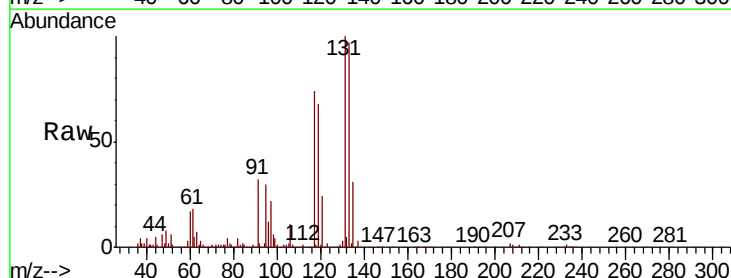
Instrument :
MSVOA_F
ClientSampleId :
VF0520SBS01

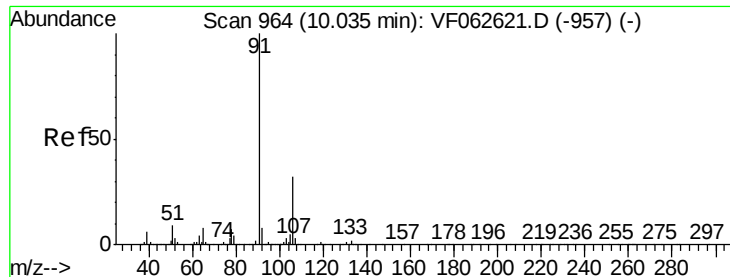
Tgt Ion:112 Resp: 480195
Ion Ratio Lower Upper
112 100
114 32.0 26.8 40.2



#66
1,1,1,2-Tetrachloroethane
Concen: 23.299 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.00 min
Lab File: VF062654.D
Acq: 20 May 2019 12:13

Tgt Ion:131 Resp: 204376
Ion Ratio Lower Upper
131 100
133 96.6 48.5 145.5
119 68.1 36.8 110.4

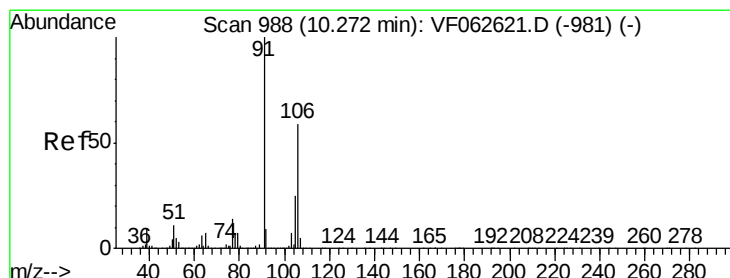
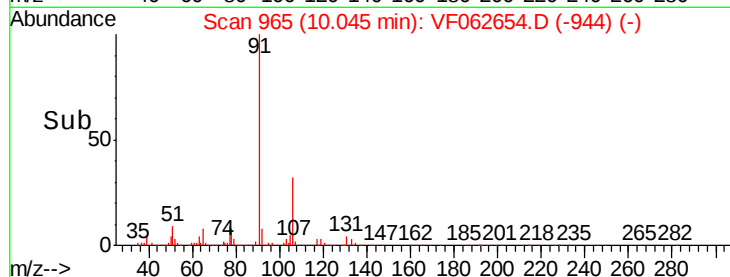
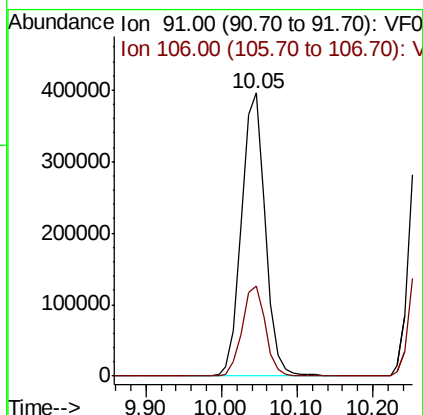
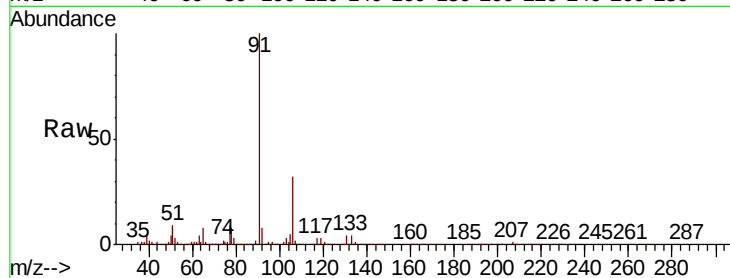




#67
Ethyl Benzene
Concen: 22.562 ug/l
RT: 10.05 min Scan# 965
Delta R.T. 0.01 min
Lab File: VF062654.D
Acq: 20 May 2019 12:13

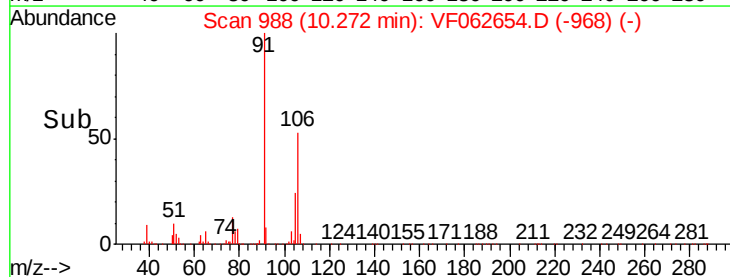
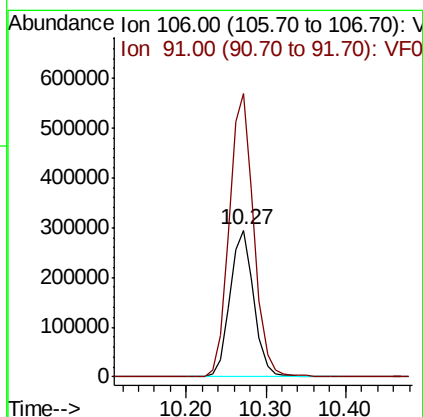
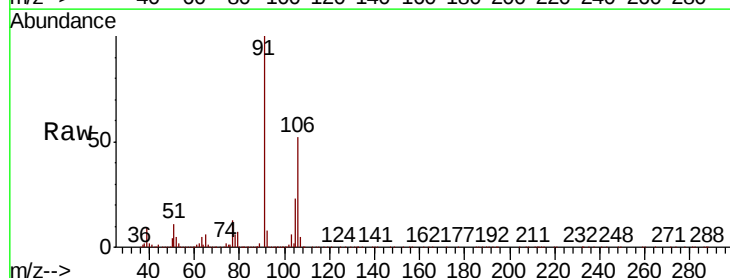
Instrument :
MSVOA_F
ClientSampleId :
VF0520SBS01

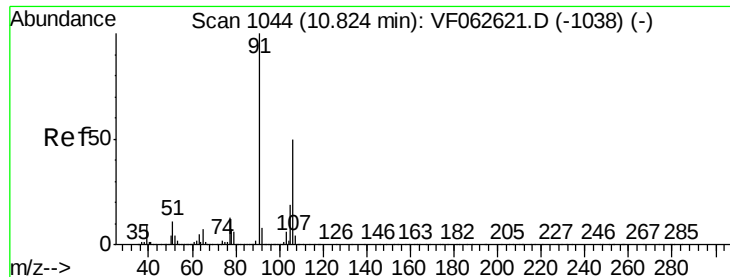
Tgt Ion: 91 Resp: 856436
Ion Ratio Lower Upper
91 100
106 31.7 25.8 38.8



#68
m/p-Xylenes
Concen: 43.247 ug/l
RT: 10.27 min Scan# 988
Delta R.T. 0.00 min
Lab File: VF062654.D
Acq: 20 May 2019 12:13

Tgt Ion: 106 Resp: 617008
Ion Ratio Lower Upper
106 100
91 193.0 136.9 205.3

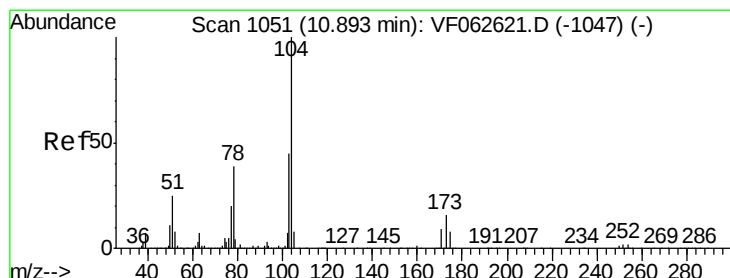
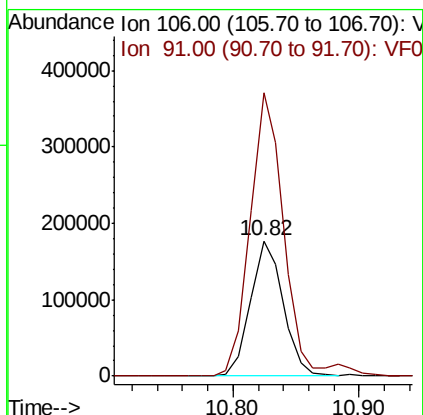
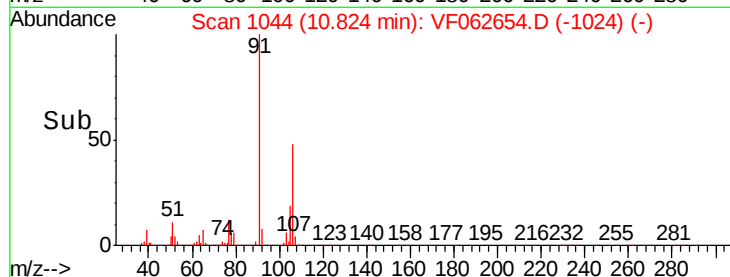
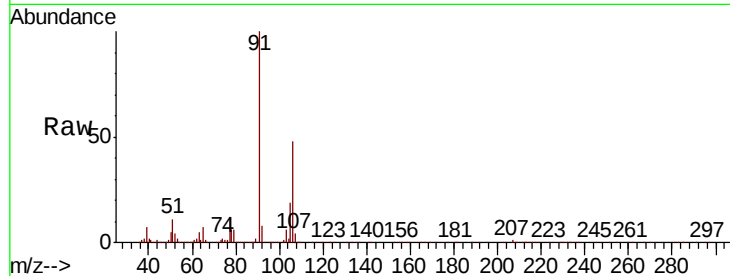




#69
o-Xylene
Concen: 21.789 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF062654.D
Acq: 20 May 2019 12:13

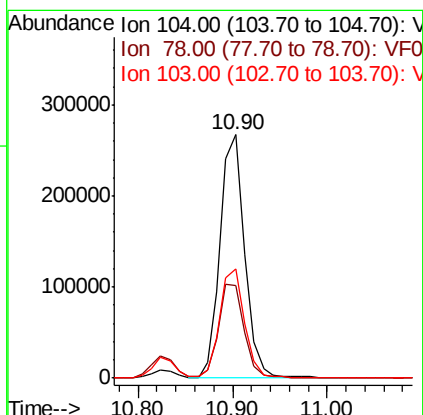
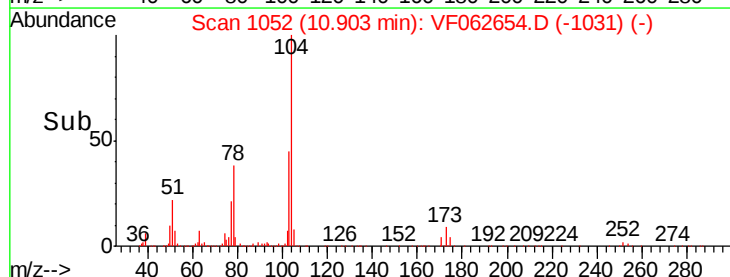
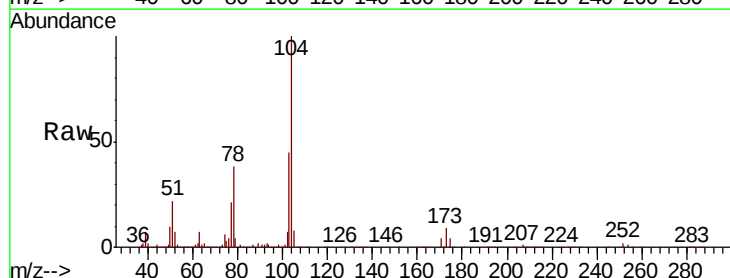
Instrument :
MSVOA_F
ClientSampleId :
VF0520SBS01

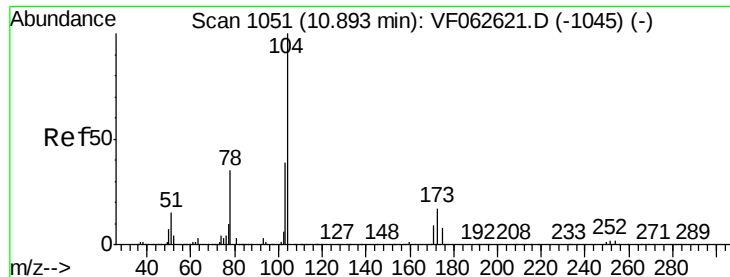
Tgt Ion:106 Resp: 320189
Ion Ratio Lower Upper
106 100
91 209.9 100.2 300.5



#70
Styrene
Concen: 21.487 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VF062654.D
Acq: 20 May 2019 12:13

Tgt Ion:104 Resp: 479933
Ion Ratio Lower Upper
104 100
78 38.2 31.9 47.9
103 44.7 36.1 54.1





#71

Bromoform

Concen: 23.062 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF062654.D

Acq: 20 May 2019 12:13

Instrument :

MSVOA_F

ClientSampleId :

VF0520SBS01

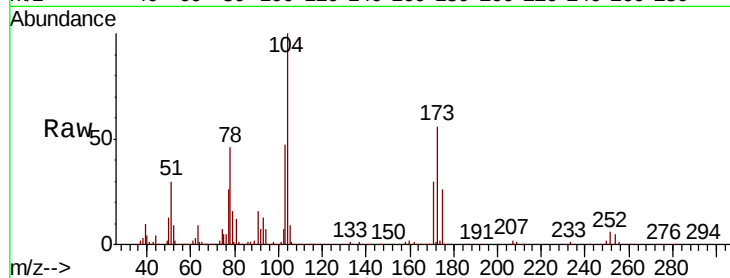
Tgt Ion:173 Resp: 101318

Ion Ratio Lower Upper

173 100

175 47.9 25.3 75.9

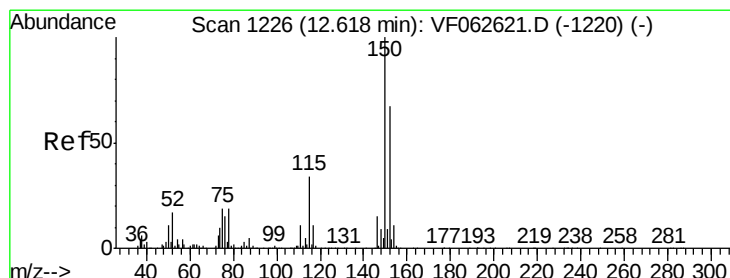
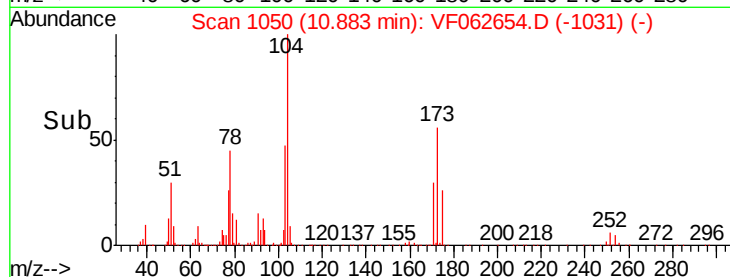
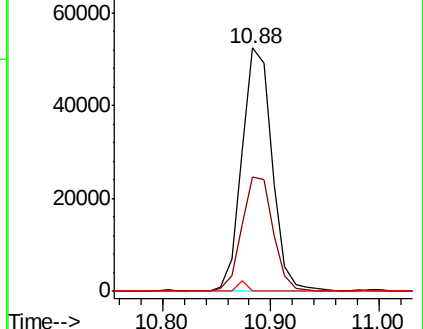
254 0.0 0.2 0.2#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. 0.00 min

Lab File: VF062654.D

Acq: 20 May 2019 12:13

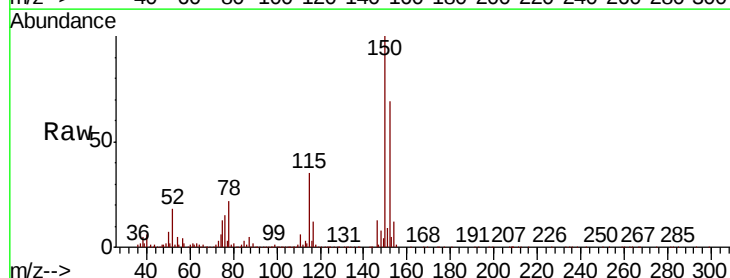
Tgt Ion:152 Resp: 555683

Ion Ratio Lower Upper

152 100

115 50.8 25.2 75.6

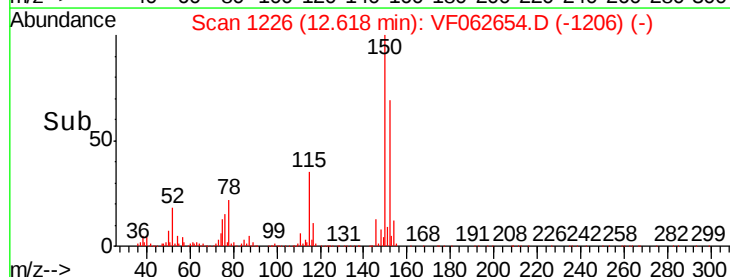
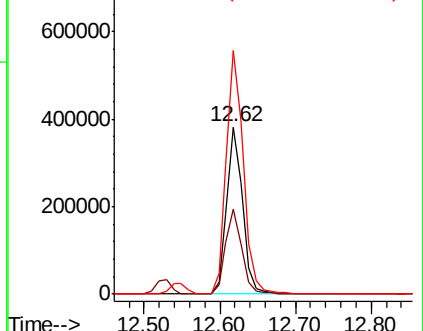
150 145.6 0.0 306.2

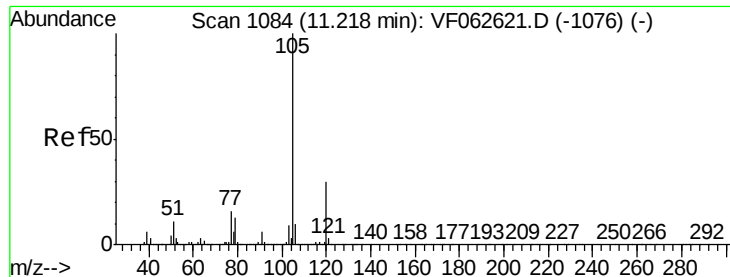


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 22.442 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VF062654.D

Acq: 20 May 2019 12:13

Instrument :

MSVOA_F

ClientSampleId :

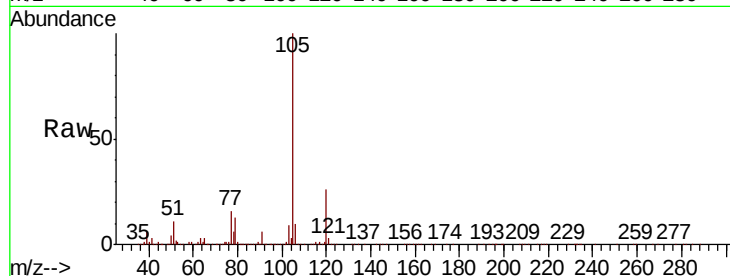
VF0520SBS01

Tgt Ion: 105 Resp: 893806

Ion Ratio Lower Upper

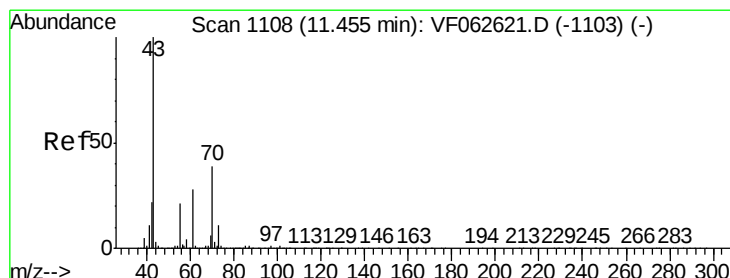
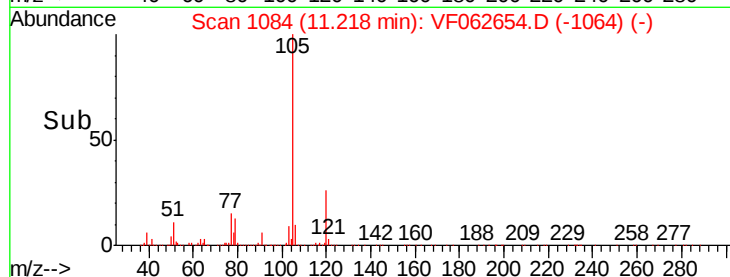
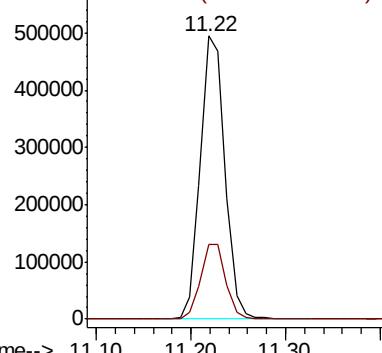
105 100

120 26.4 14.8 44.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.071 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF062654.D

Acq: 20 May 2019 12:13

Tgt Ion: 43 Resp: 245164

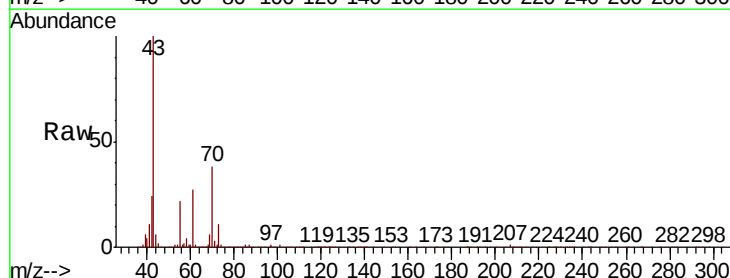
Ion Ratio Lower Upper

43 100

70 38.5 30.9 46.3

55 22.0 17.0 25.4

61 26.7 22.6 34.0

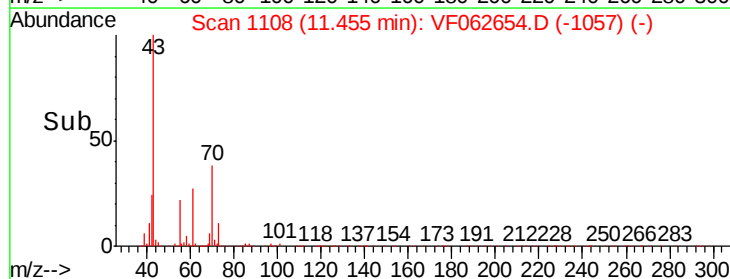
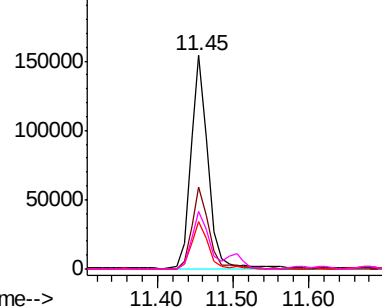


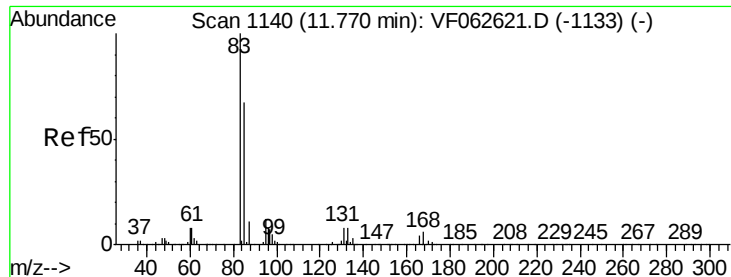
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.994 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF062654.D

Acq: 20 May 2019 12:13

Instrument :

MSVOA_F

ClientSampleId :

VF0520SBS01

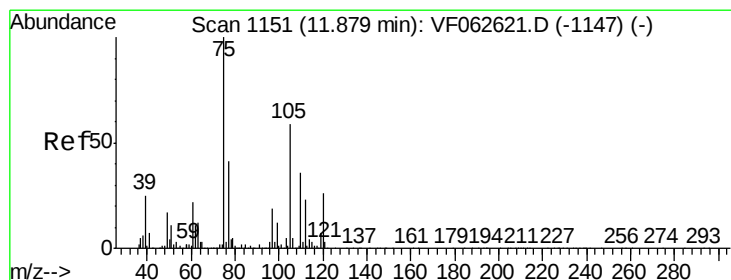
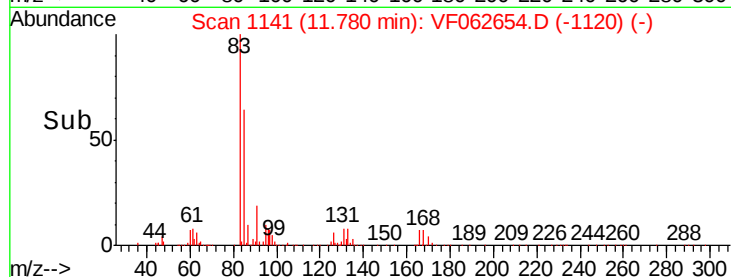
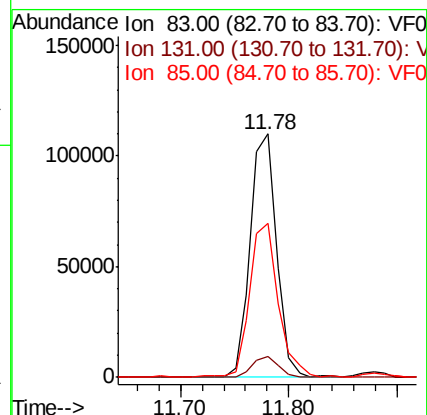
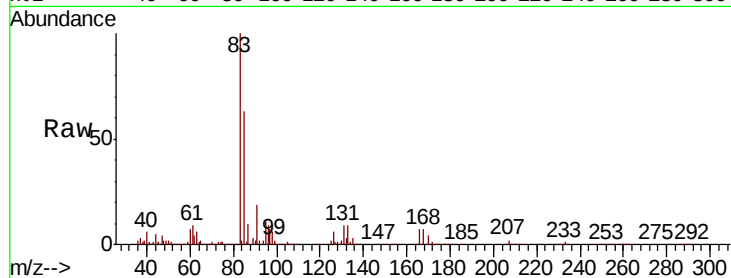
Tgt Ion: 83 Resp: 187150

Ion Ratio Lower Upper

83 100

131 8.6 4.0 12.0

85 63.4 33.5 100.5



#76

1,2,3-Trichloropropane

Concen: 22.877 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. 0.00 min

Lab File: VF062654.D

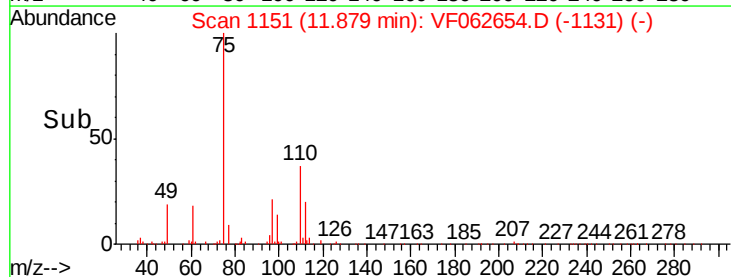
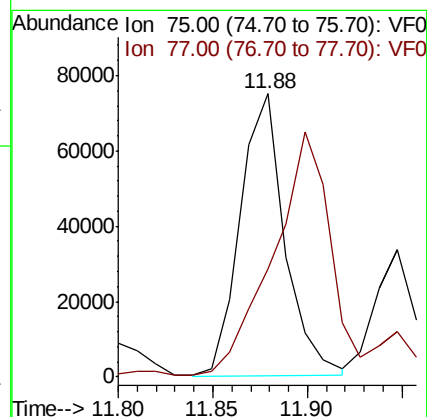
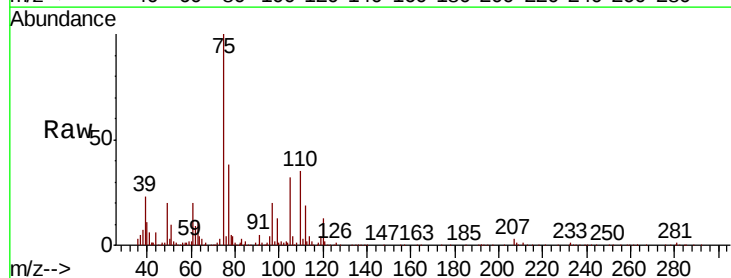
Acq: 20 May 2019 12:13

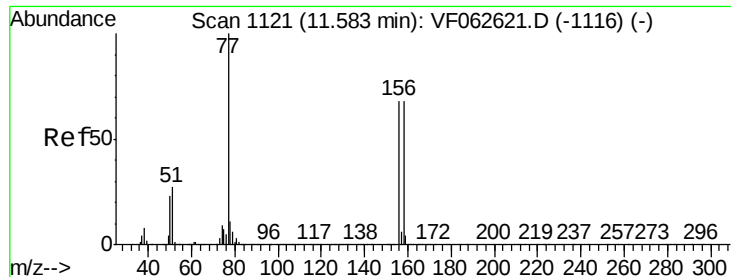
Tgt Ion: 75 Resp: 122347

Ion Ratio Lower Upper

75 100

77 38.4 20.6 61.8

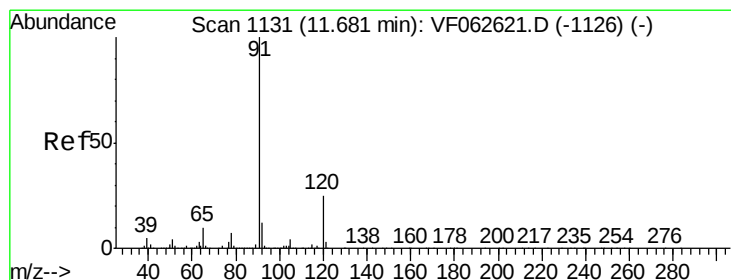
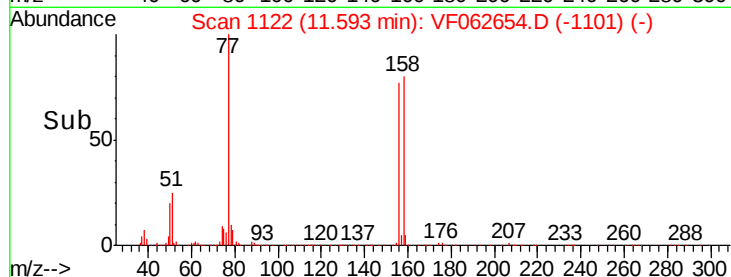
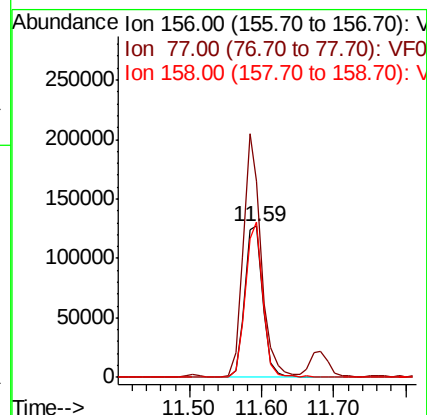
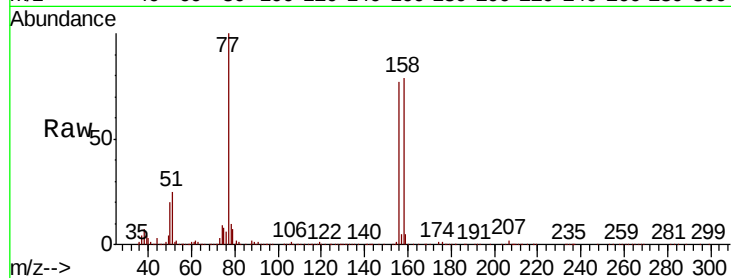




#77
Bromobenzene
Concen: 22.710 ug/l
RT: 11.59 min Scan# 1122
Delta R.T. 0.01 min
Lab File: VF062654.D
Acq: 20 May 2019 12:13

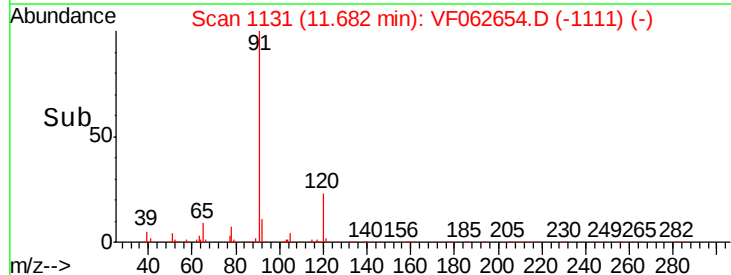
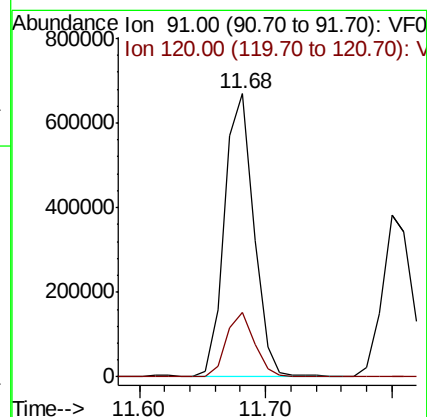
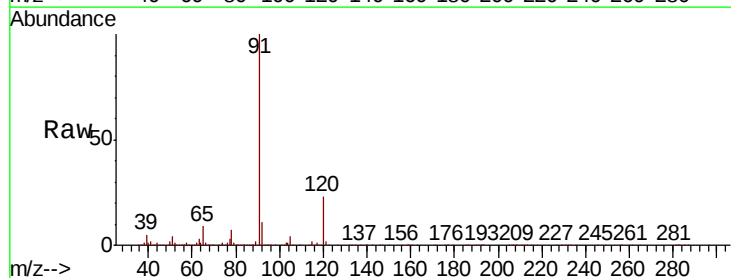
Instrument :
MSVOA_F
ClientSampleId :
VF0520SBS01

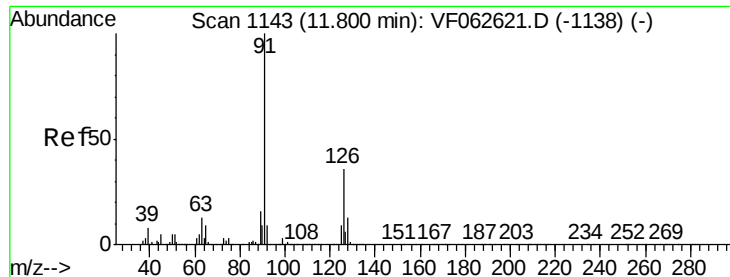
Tgt Ion: 156 Resp: 224824
Ion Ratio Lower Upper
156 100
77 129.7 73.6 220.8
158 103.1 49.6 148.8



#78
n-propylbenzene
Concen: 22.826 ug/l
RT: 11.68 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VF062654.D
Acq: 20 May 2019 12:13

Tgt Ion: 91 Resp: 1075885
Ion Ratio Lower Upper
91 100
120 23.0 12.7 38.1





#79

2-Chlorotoluene

Concen: 23.345 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF062654.D

Acq: 20 May 2019 12:13

Instrument :

MSVOA_F

ClientSampleId :

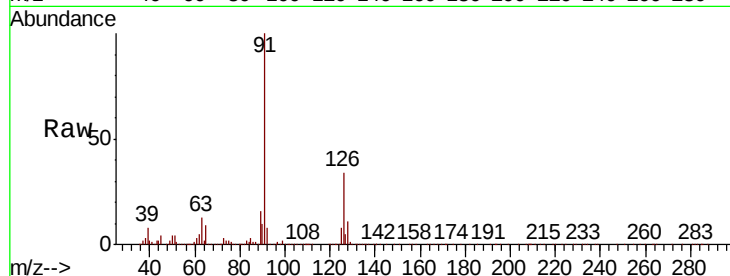
VF0520SBS01

Tgt Ion: 91 Resp: 620097

Ion Ratio Lower Upper

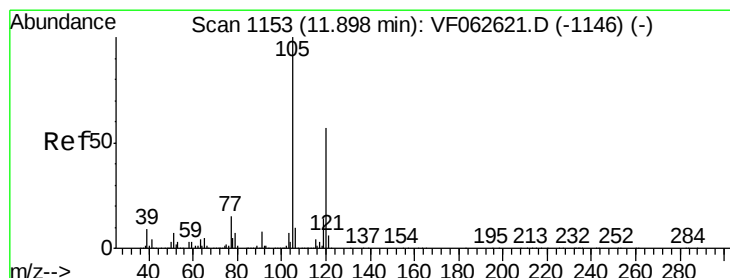
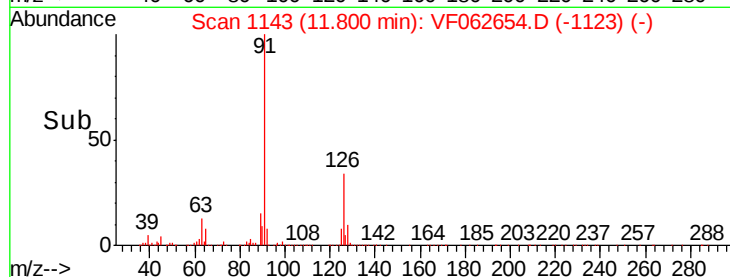
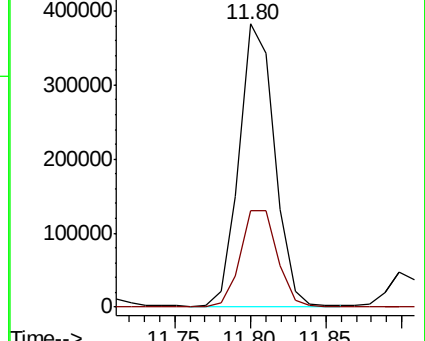
91 100

126 34.3 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 22.619 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VF062654.D

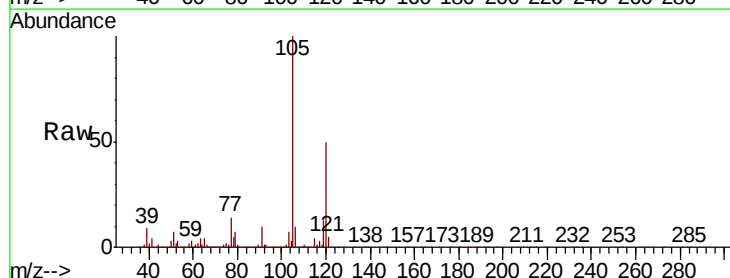
Acq: 20 May 2019 12:13

Tgt Ion: 105 Resp: 722331

Ion Ratio Lower Upper

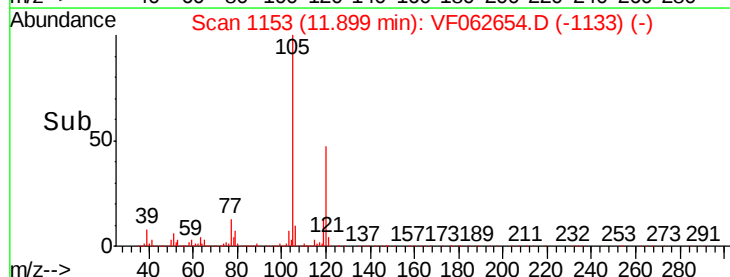
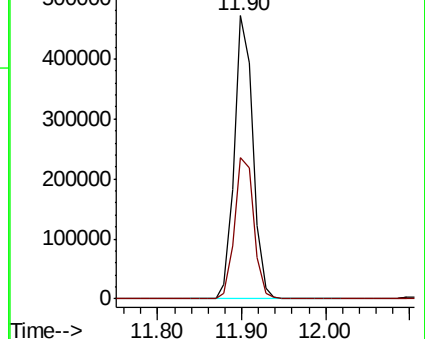
105 100

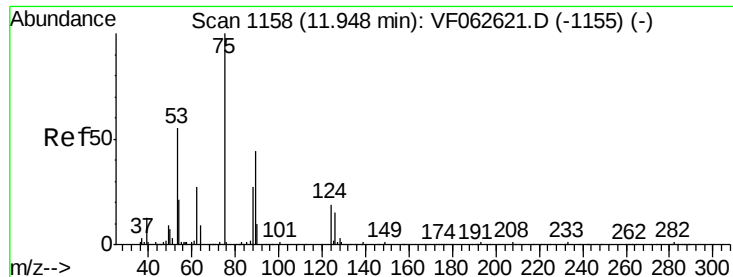
120 50.1 28.7 86.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 27.464 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. 0.00 min

Lab File: VF062654.D

Acq: 20 May 2019 12:13

Instrument :

MSVOA_F

ClientSampleId :

VF0520SBS01

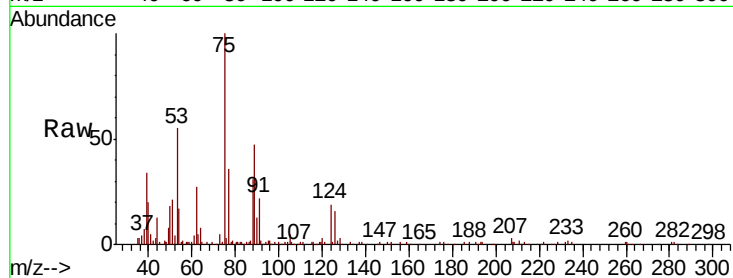
Tgt Ion: 75 Resp: 65288

Ion Ratio Lower Upper

75 100

53 55.0 46.9 70.3

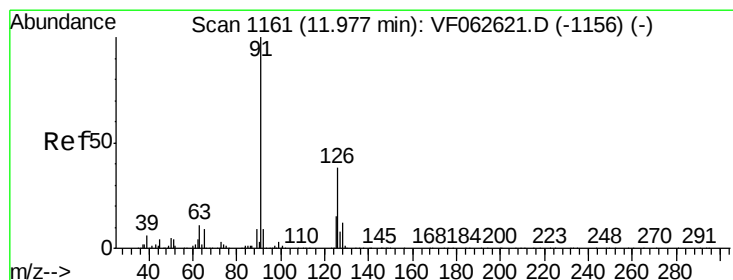
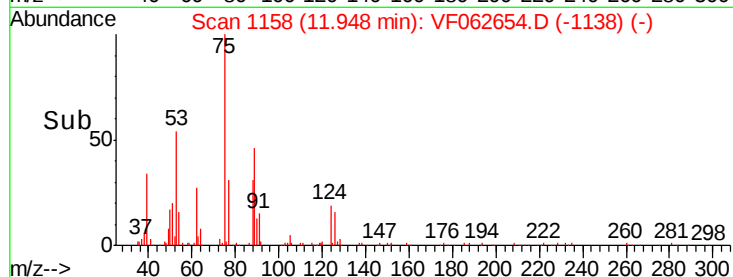
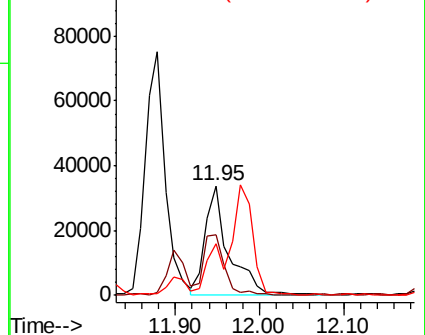
89 46.8 36.4 54.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 20.845 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VF062654.D

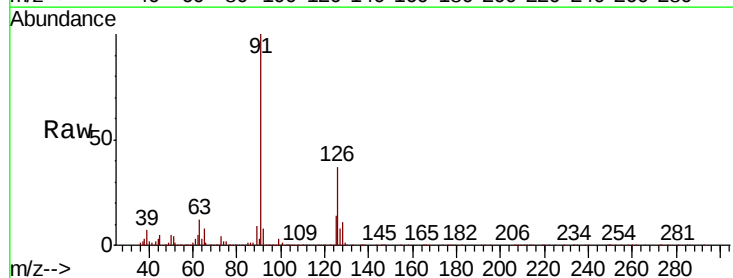
Acq: 20 May 2019 12:13

Tgt Ion: 91 Resp: 546016

Ion Ratio Lower Upper

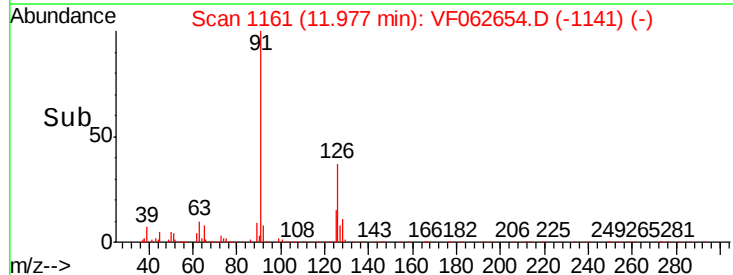
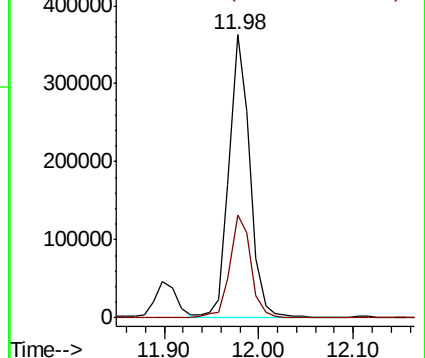
91 100

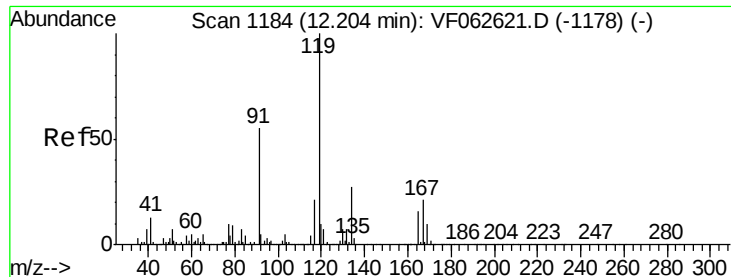
126 36.6 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

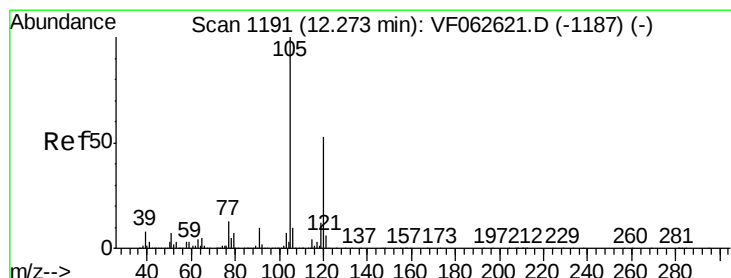
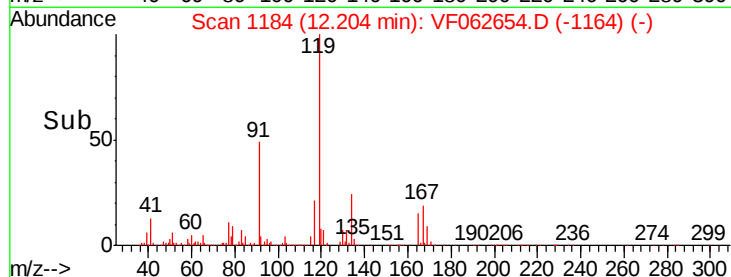
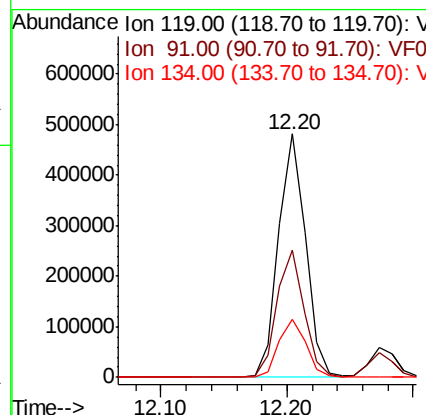
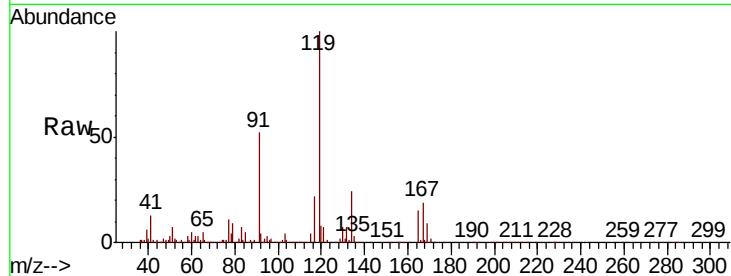




#83
 tert-Butylbenzene
 Concen: 22.366 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: VF062654.D
 Acq: 20 May 2019 12:13

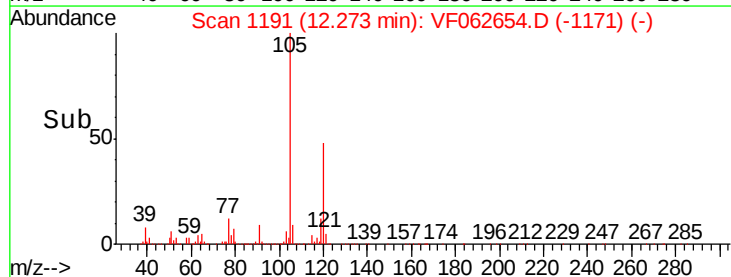
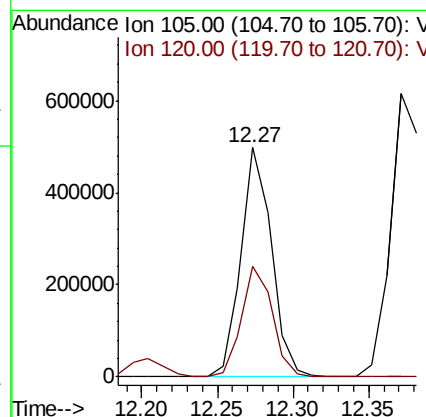
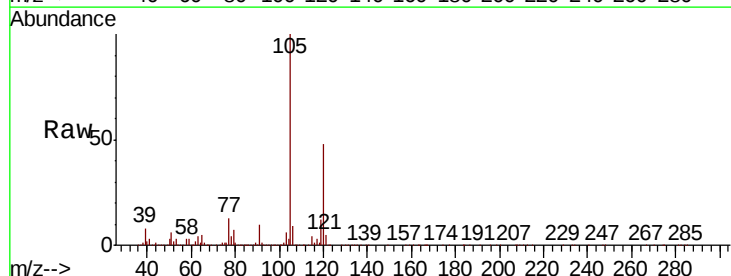
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0520SBS01

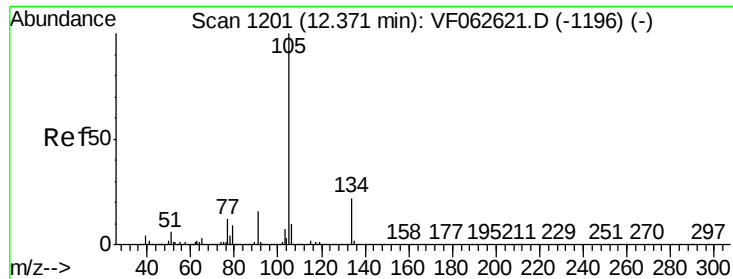
Tgt Ion:119 Resp: 724642
 Ion Ratio Lower Upper
 119 100
 91 52.0 27.3 81.9
 134 23.8 13.6 40.7



#84
 1,2,4-Trimethylbenzene
 Concen: 22.612 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VF062654.D
 Acq: 20 May 2019 12:13

Tgt Ion:105 Resp: 698906
 Ion Ratio Lower Upper
 105 100
 120 48.4 26.7 80.1

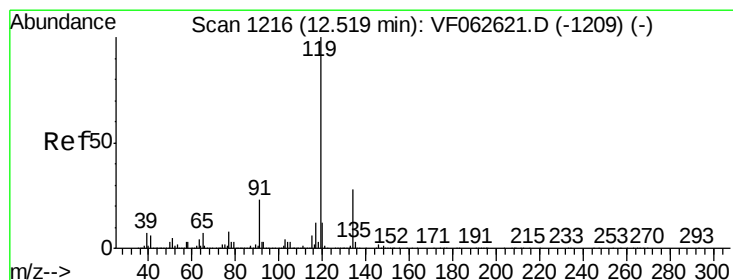
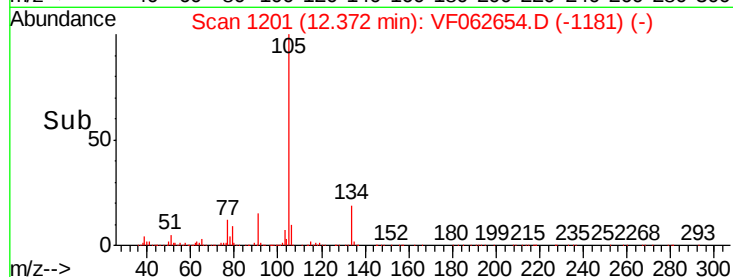
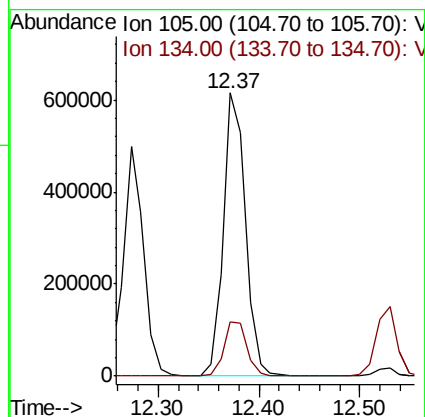
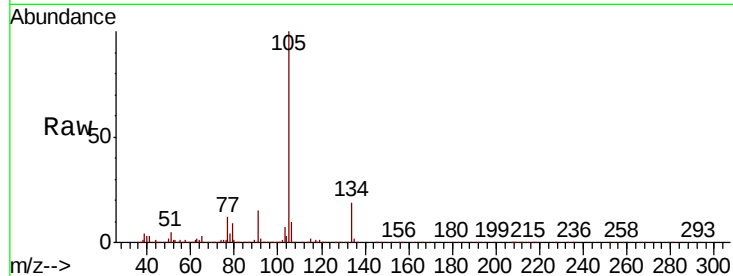




#85
 sec-Butylbenzene
 Concen: 21.582 ug/l
 RT: 12.37 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VF062654.D
 Acq: 20 May 2019 12:13

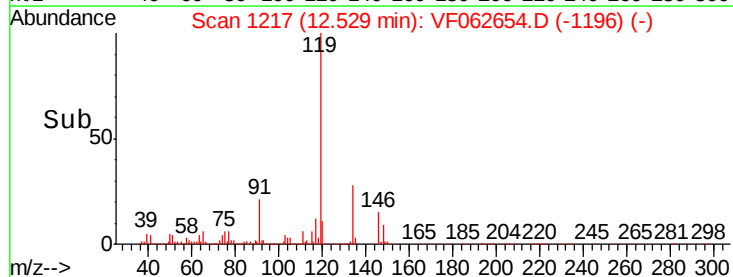
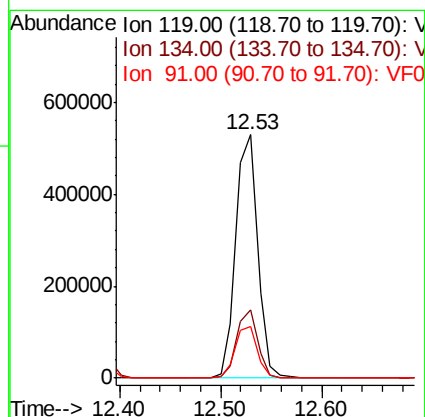
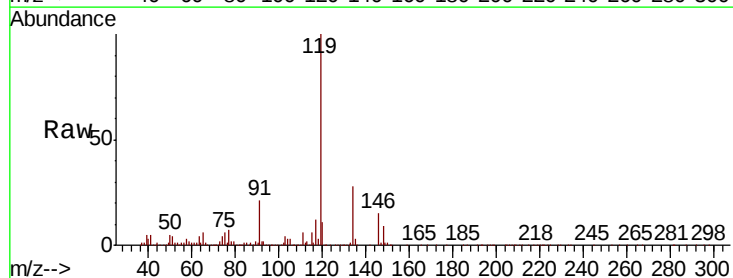
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0520SBS01

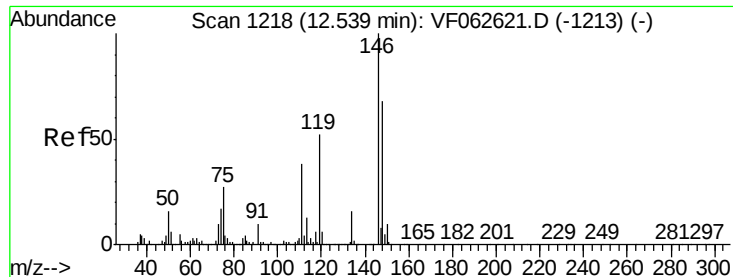
Tgt Ion:105 Resp: 938416
 Ion Ratio Lower Upper
 105 100
 134 19.1 10.8 32.4



#86
 p-Isopropyltoluene
 Concen: 21.779 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. 0.01 min
 Lab File: VF062654.D
 Acq: 20 May 2019 12:13

Tgt Ion:119 Resp: 798051
 Ion Ratio Lower Upper
 119 100
 134 28.3 14.1 42.3
 91 21.0 11.4 34.2

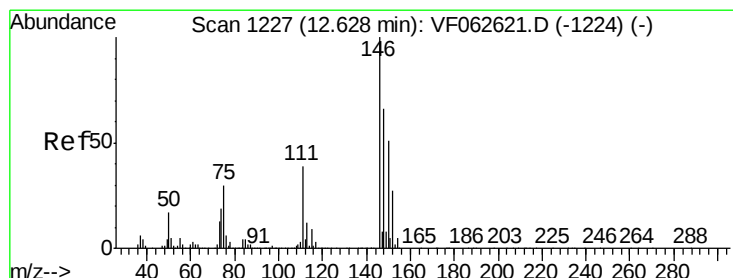
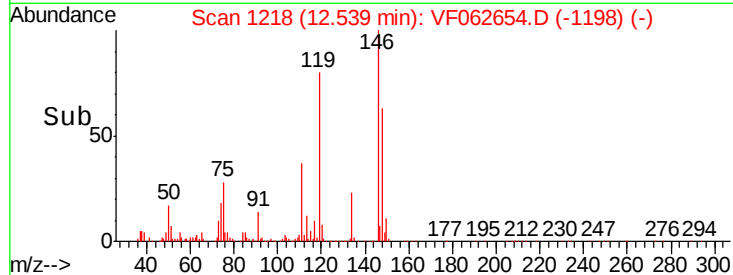
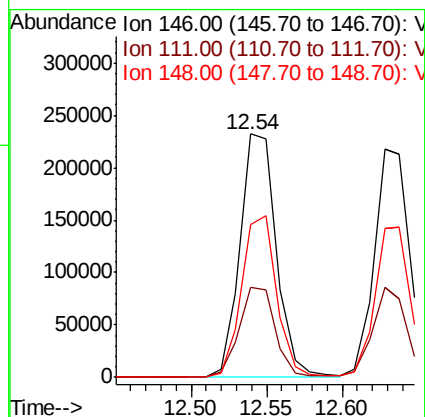
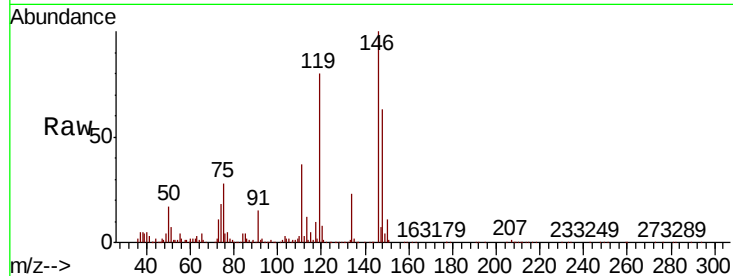




#87
 1,3-Dichlorobenzene
 Concen: 21.747 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF062654.D
 Acq: 20 May 2019 12:13

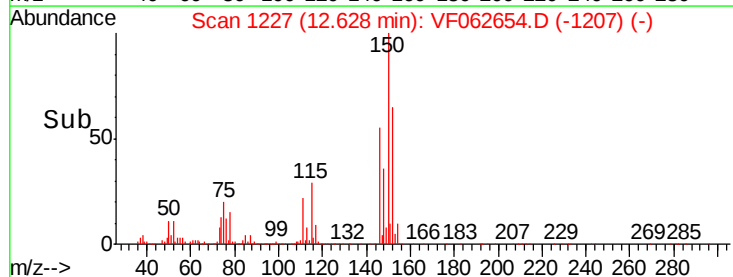
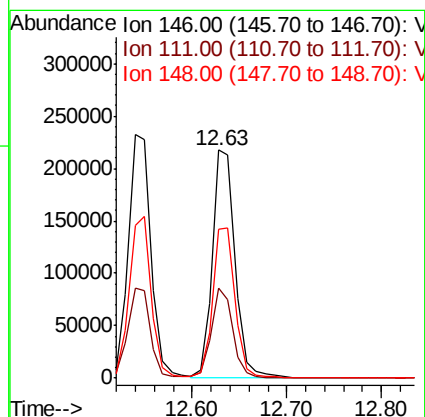
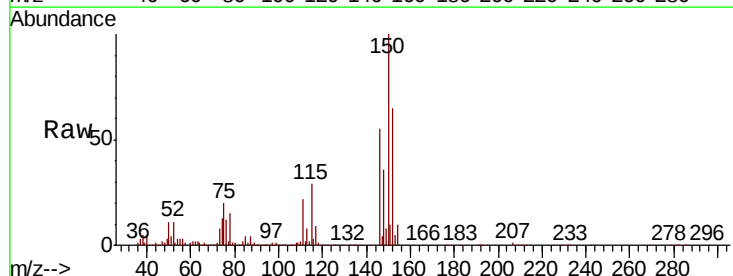
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0520SBS01

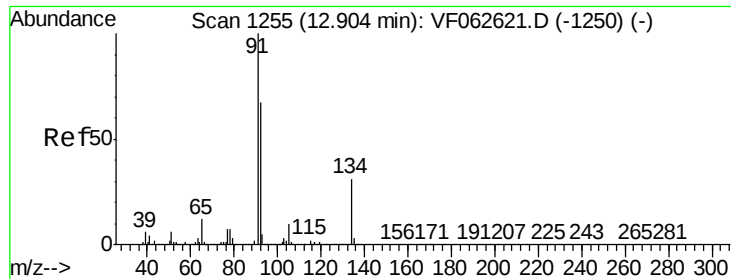
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.9	56.9
148	62.8	34.0	101.8



#88
 1,4-Dichlorobenzene
 Concen: 21.600 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VF062654.D
 Acq: 20 May 2019 12:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.4	58.2
148	65.4	33.2	99.6

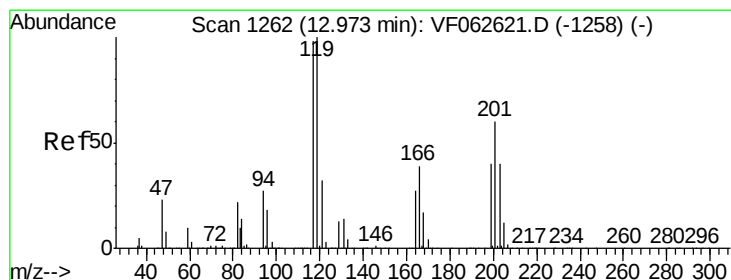
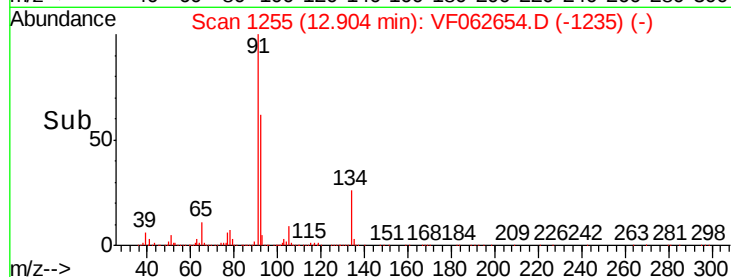
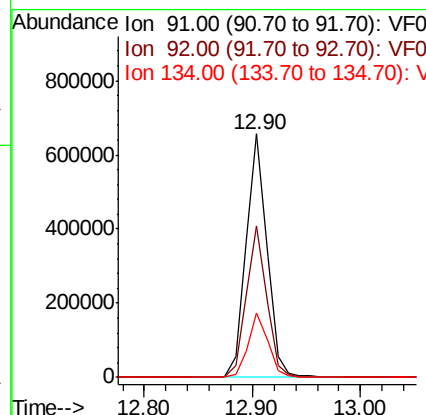
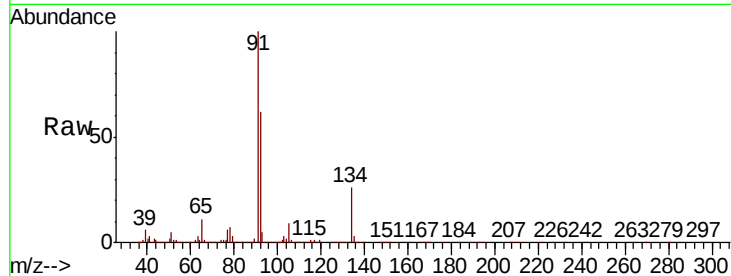




#89
n-Butylbenzene
Concen: 24.275 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VF062654.D
Acq: 20 May 2019 12:13

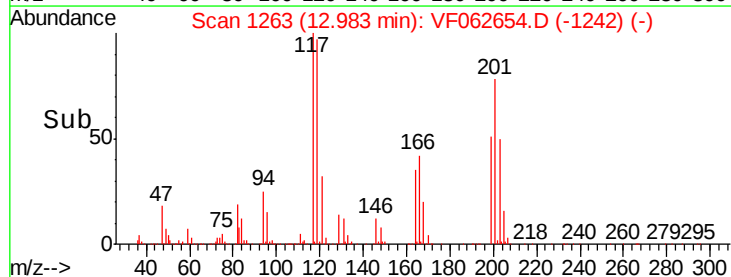
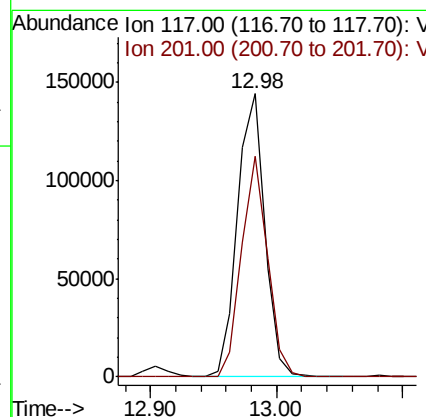
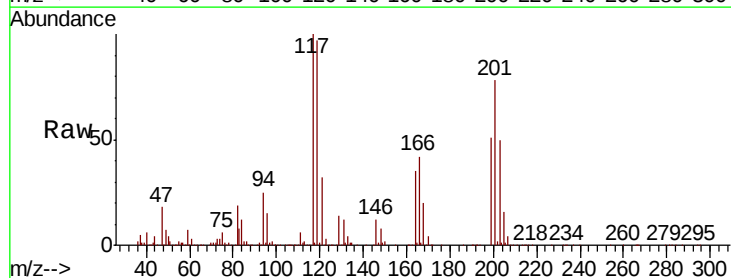
Instrument :
MSVOA_F
ClientSampleId :
VF0520SBS01

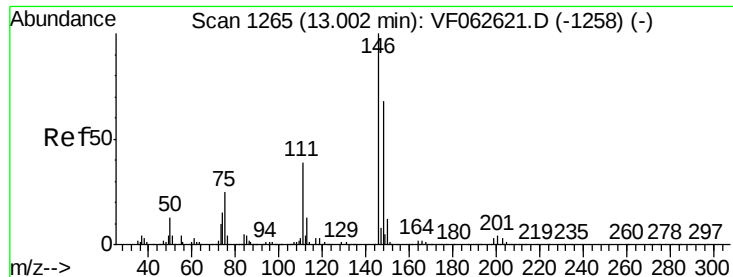
Tgt Ion: 91 Resp: 877035
Ion Ratio Lower Upper
91 100
92 62.1 33.3 99.8
134 26.4 15.4 46.4



#90
Hexachloroethane
Concen: 24.325 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. 0.01 min
Lab File: VF062654.D
Acq: 20 May 2019 12:13

Tgt Ion: 117 Resp: 213822
Ion Ratio Lower Upper
117 100
201 79.8 30.7 92.1

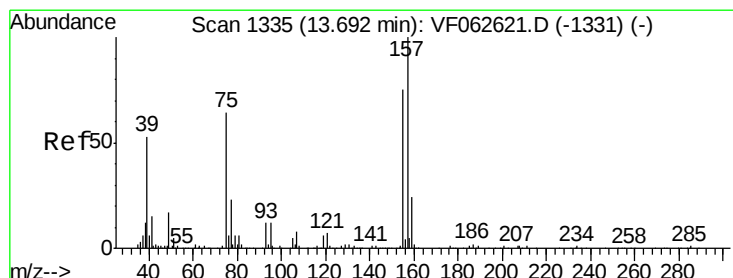
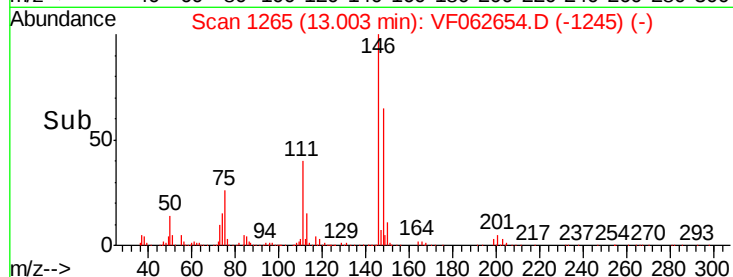
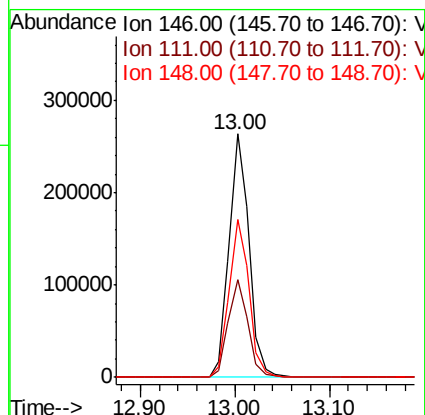
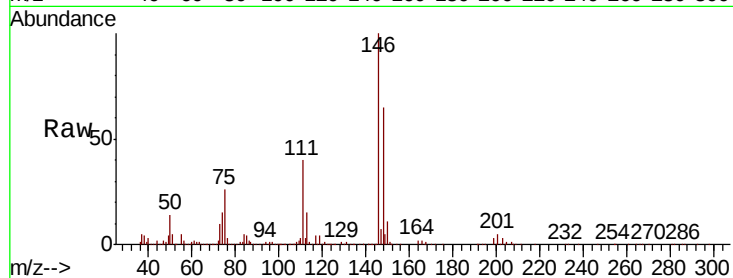




#91
 1,2-Dichlorobenzene
 Concen: 24.218 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VF062654.D
 Acq: 20 May 2019 12:13

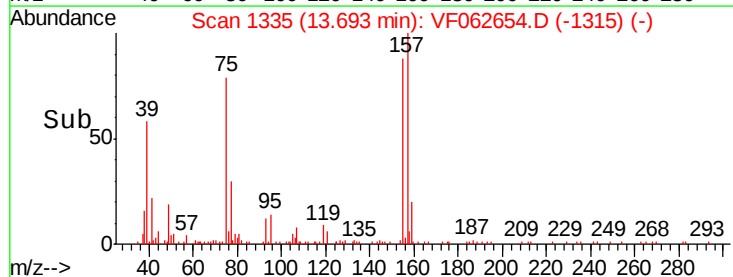
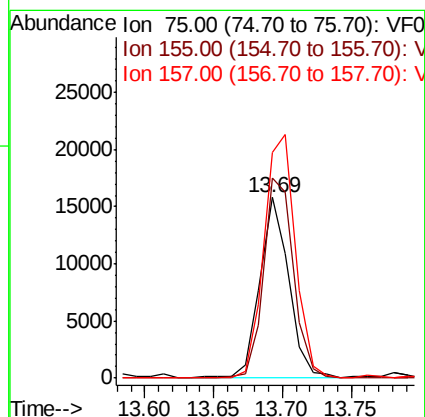
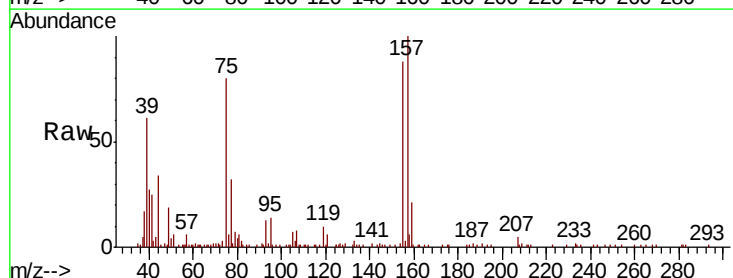
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0520SBS01

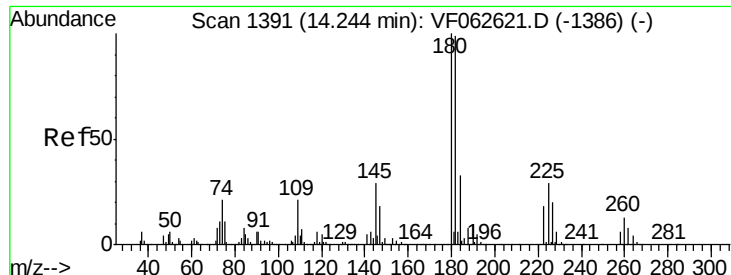
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.8	59.3
148	65.0	34.1	102.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.083 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: VF062654.D
 Acq: 20 May 2019 12:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	110.5	58.1	174.3
157	125.0	77.8	233.4

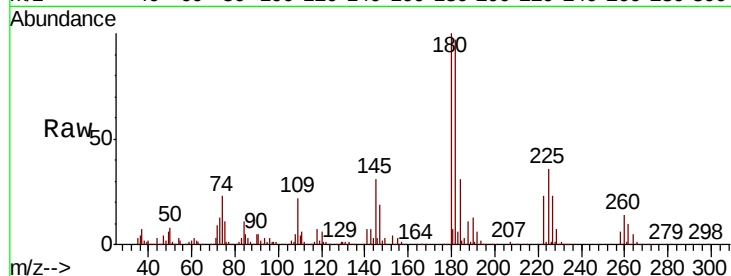




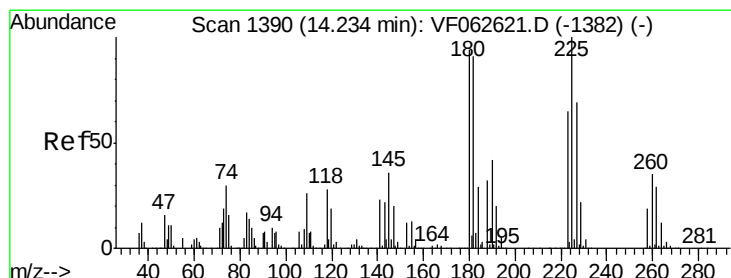
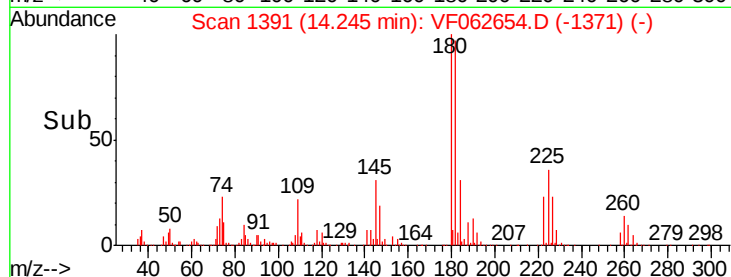
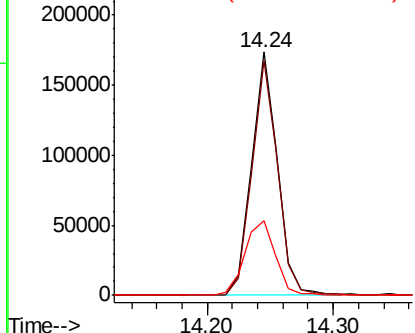
#93
 1,2,4-Trichlorobenzene
 Concen: 21.609 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VF062654.D
 Acq: 20 May 2019 12:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0520SBS01

Tgt Ion:180 Resp: 246942
 Ion Ratio Lower Upper
 180 100
 182 96.5 49.7 149.1
 145 30.6 14.6 44.0

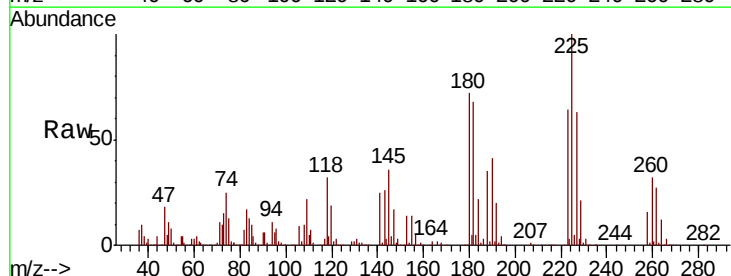


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

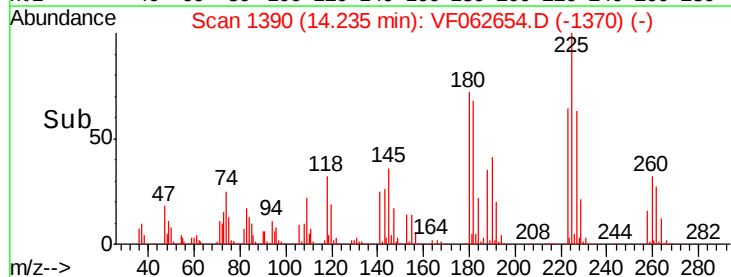
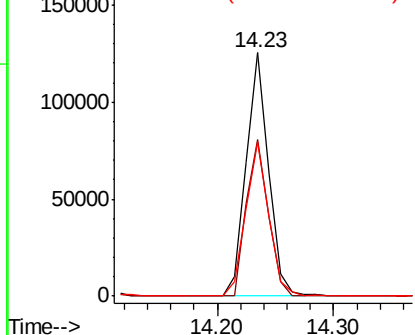


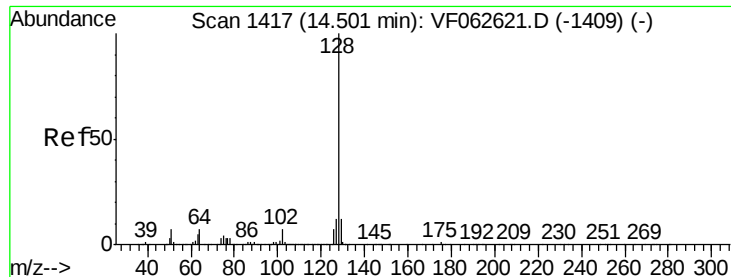
#94
 Hexachlorobutadiene
 Concen: 20.961 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VF062654.D
 Acq: 20 May 2019 12:13

Tgt Ion:225 Resp: 167167
 Ion Ratio Lower Upper
 225 100
 223 64.4 32.5 97.4
 227 63.5 34.5 103.5



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 20.314 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VF062654.D

Acq: 20 May 2019 12:13

Instrument :

MSVOA_F

ClientSampleId :

VF0520SBS01

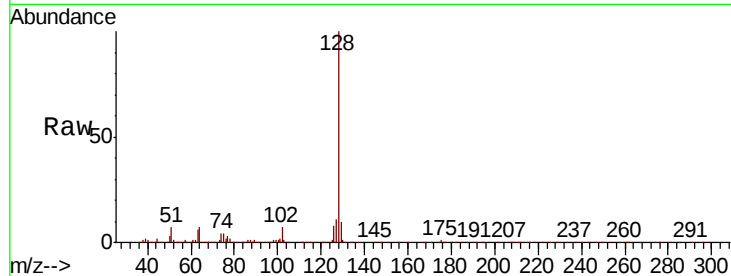
Tgt Ion:128 Resp: 421749

Ion Ratio Lower Upper

128 100

127 11.5 9.7 14.5

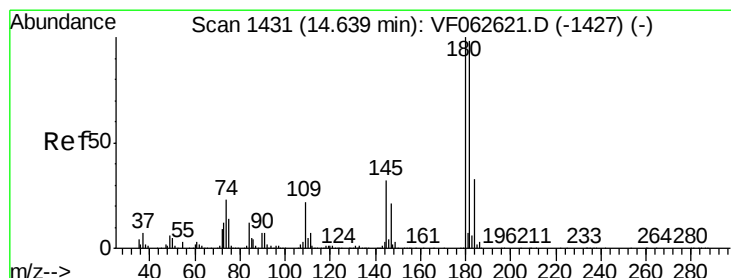
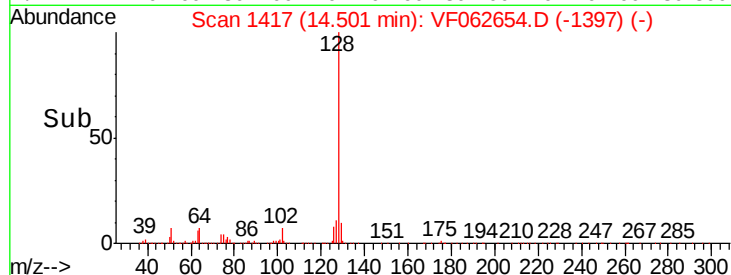
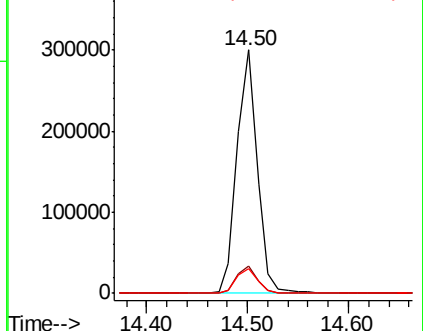
129 10.1 9.3 13.9



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.187 ug/l

RT: 14.65 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VF062654.D

Acq: 20 May 2019 12:13

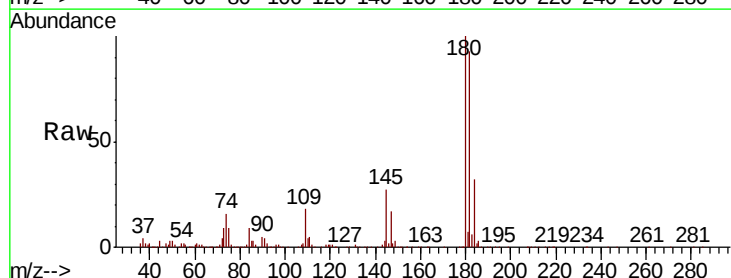
Tgt Ion:180 Resp: 240169

Ion Ratio Lower Upper

180 100

182 93.1 48.9 146.7

145 26.7 16.1 48.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

