

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 14:45:08 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

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 14:45:08 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)
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	52561m	22.111	ug/l	
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

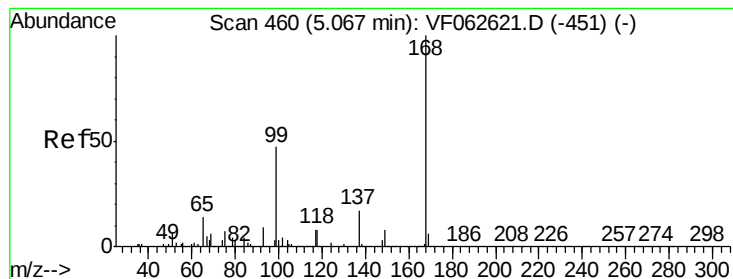
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052019\
Data File : VF062654.D
Acq On : 20 May 2019 12:13
Operator : FY/SY
Sample : VF0520SBS01
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0520SBS01

Quant Time: May 20 14:45:08 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	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



#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 :

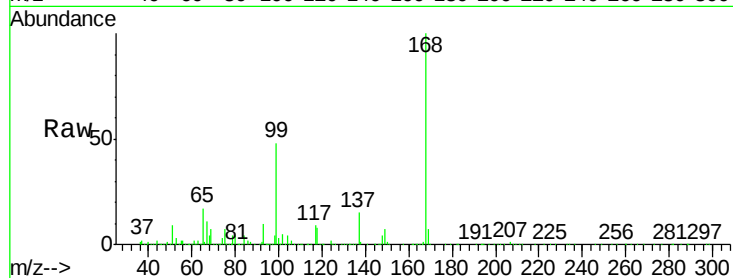
VF0520SBS01

Tot 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

300000

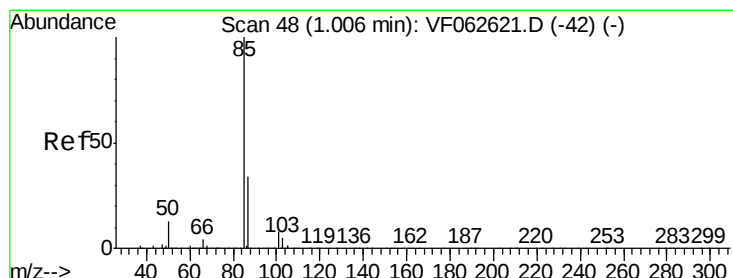
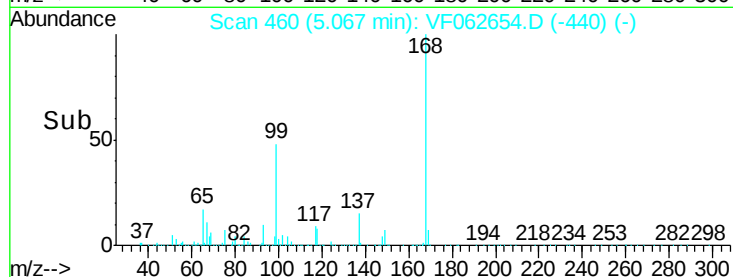
200000

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

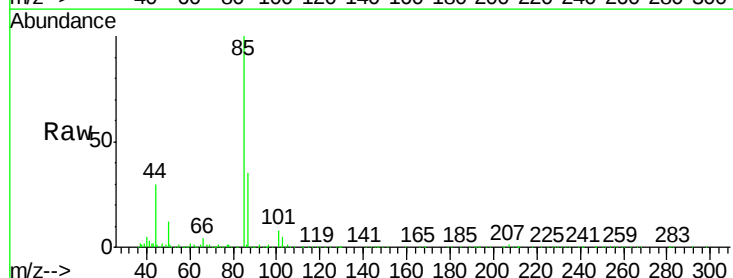
Acq: 20 May 2019 12:13

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

80000

60000

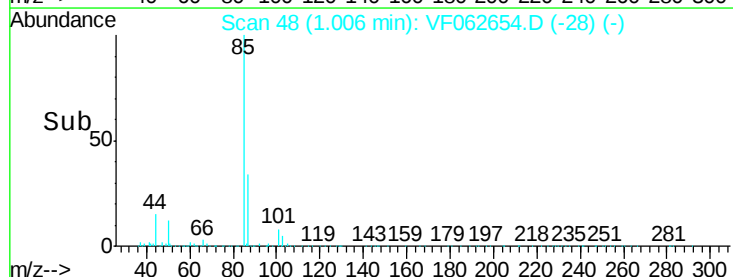
40000

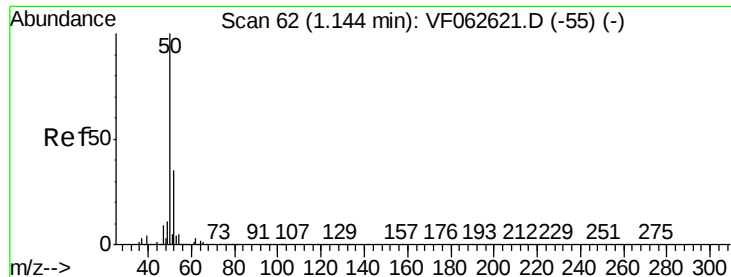
20000

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 :

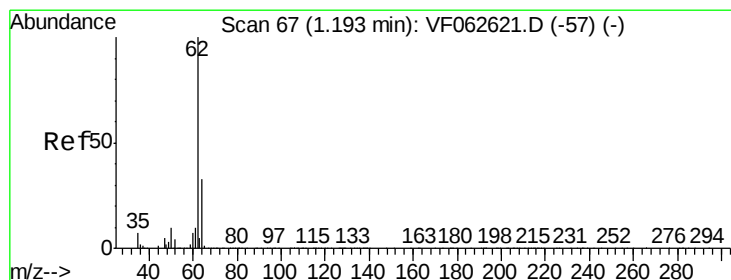
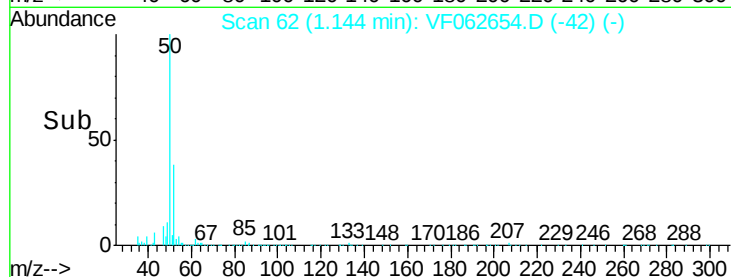
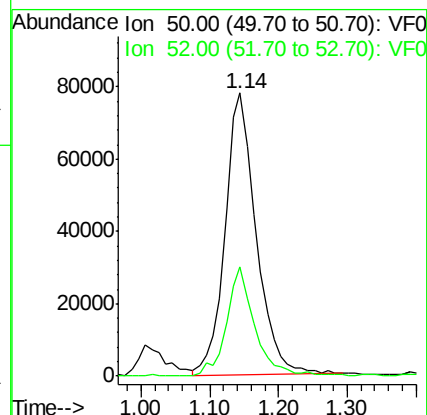
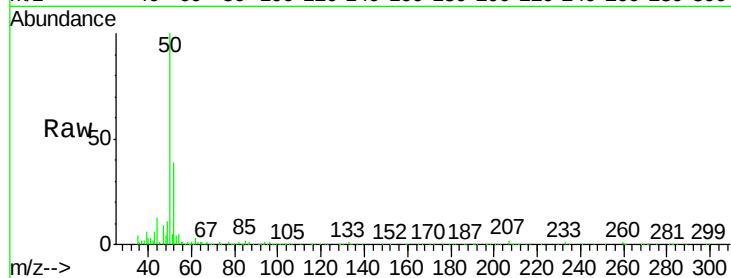
VF0520SBS01

Tot 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

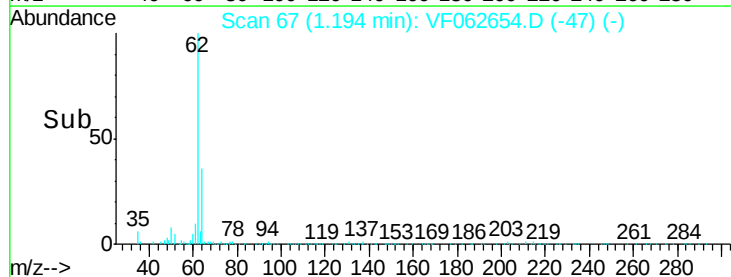
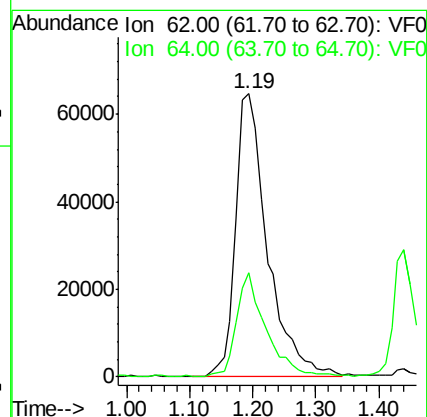
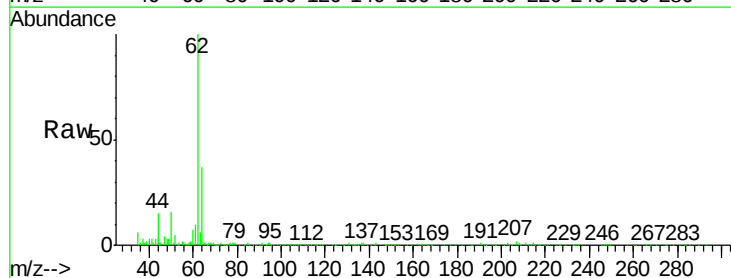
Acq: 20 May 2019 12:13

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 :

MSVOA_F

ClientSampleId :

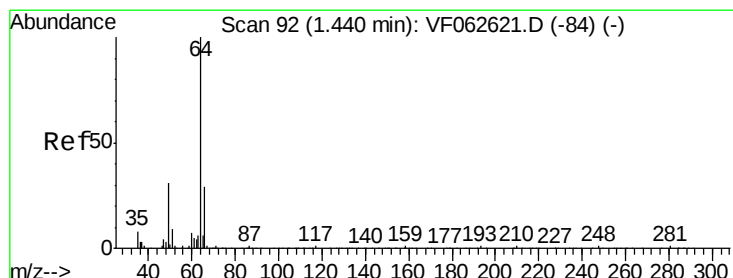
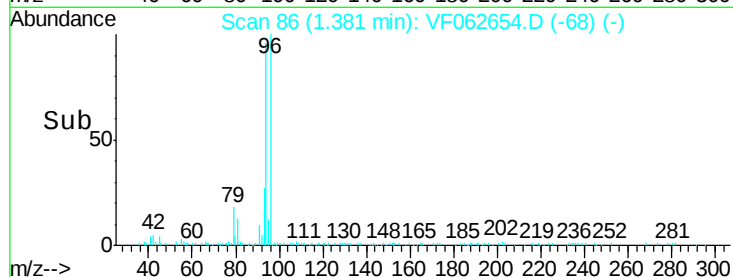
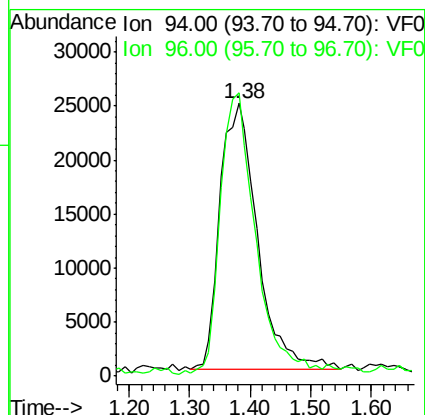
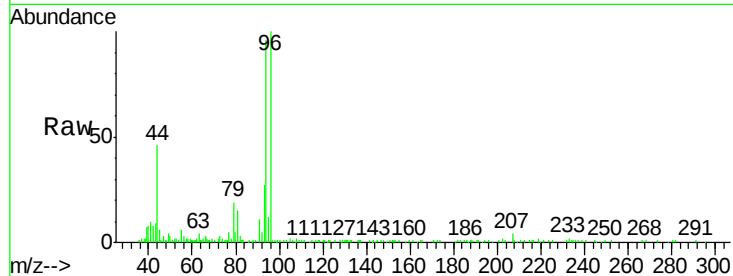
VF0520SBS01

Tot 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

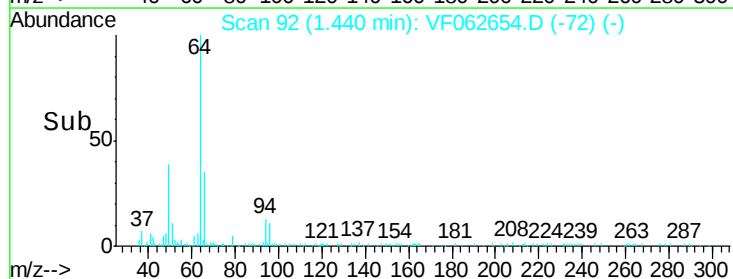
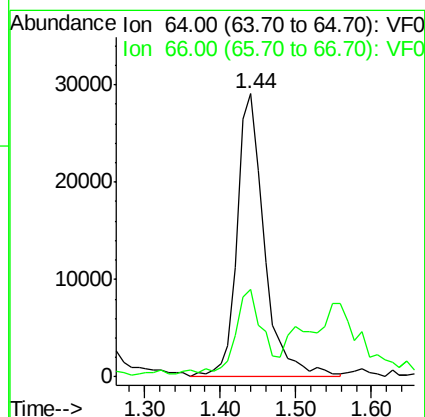
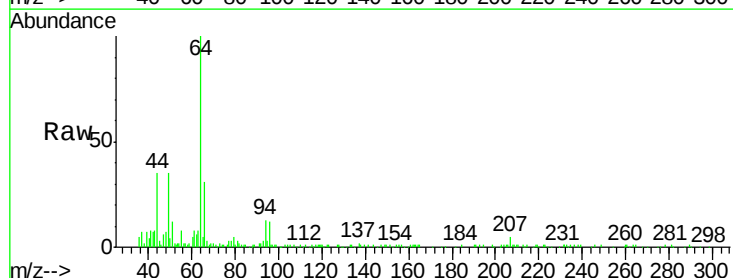
Acq: 20 May 2019 12:13

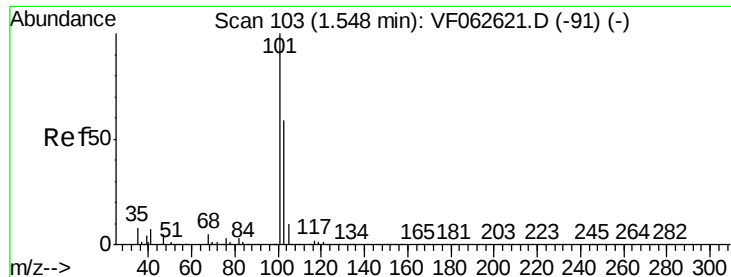
Tgt Ion: 64 Resp: 72161

Ion Ratio Lower Upper

64 100

66 30.9 23.4 35.2



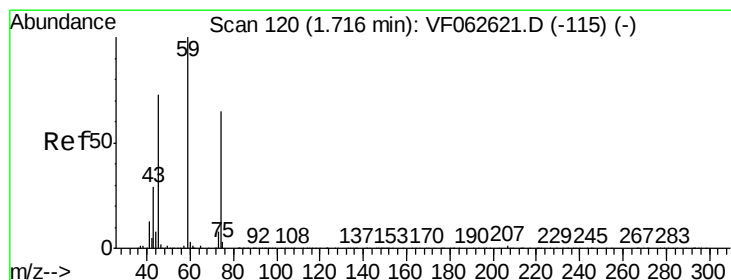
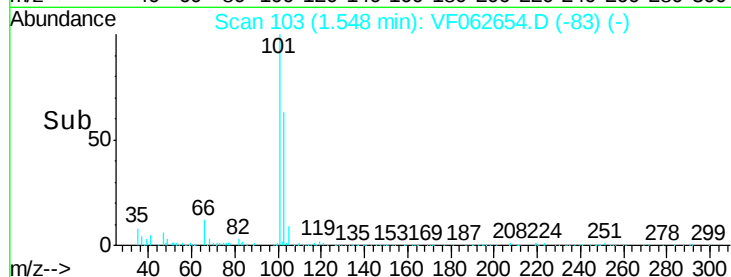
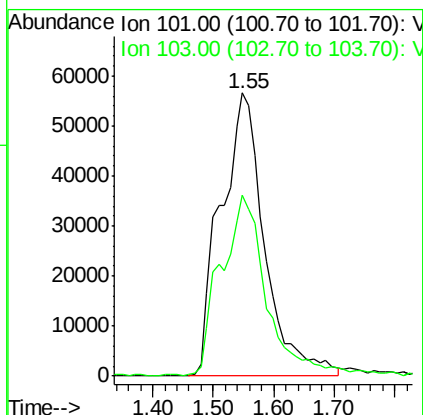
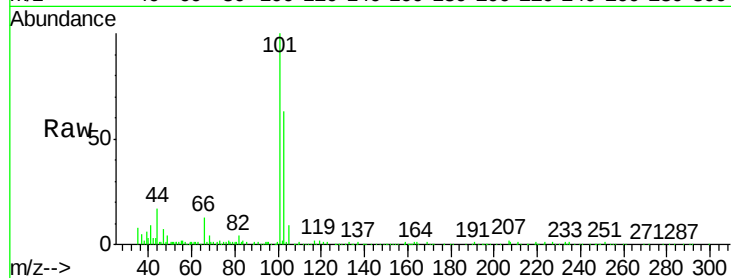


#7

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

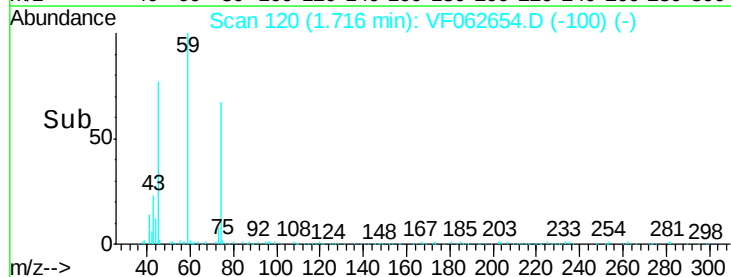
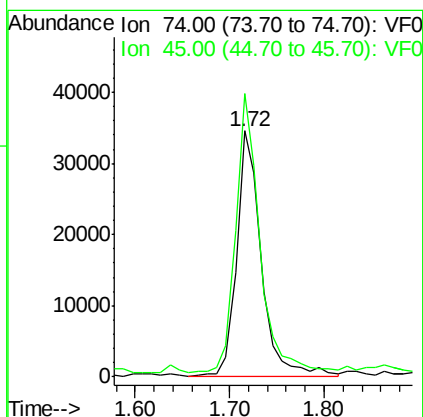
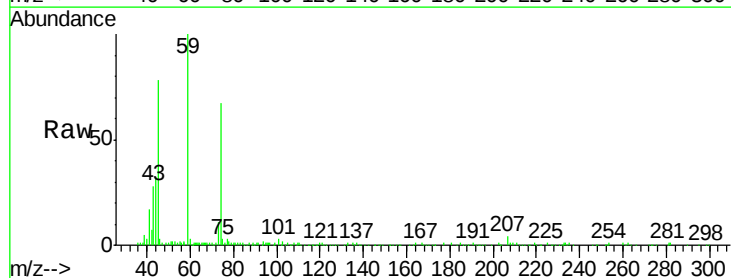
Tot Ion:101 Resp: 285286
 Ion Ratio Lower Upper
 101 100
 103 63.9 47.3 70.9

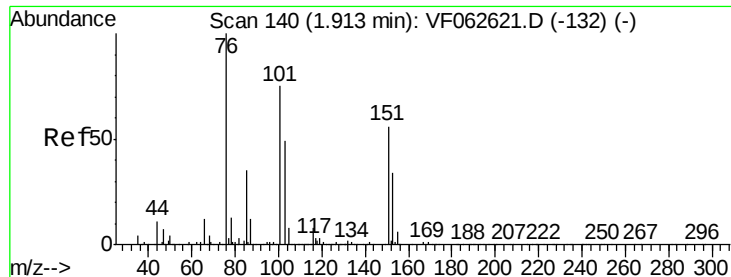


#8

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 :

MSVOA_F

ClientSampleId :

VF0520SBS01

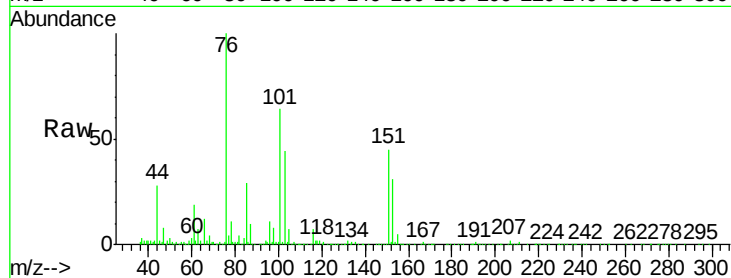
Tot Ion:101 Resp: 181354

Ion Ratio Lower Upper

101 100

85 46.3 37.1 55.7

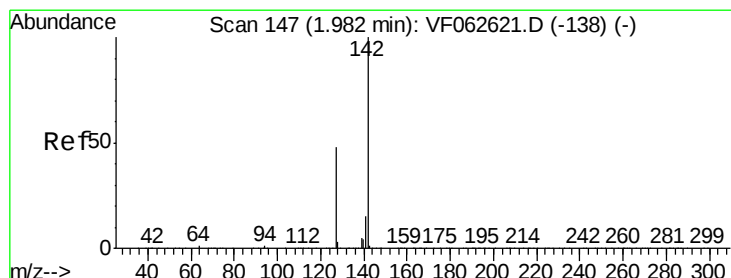
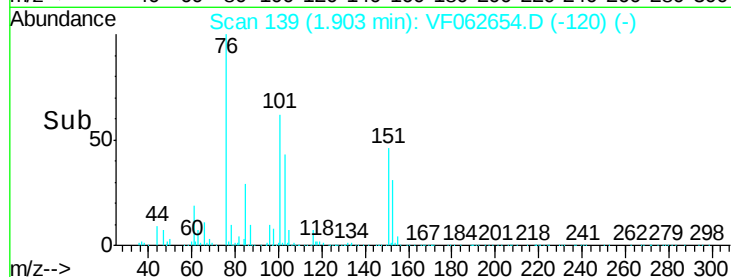
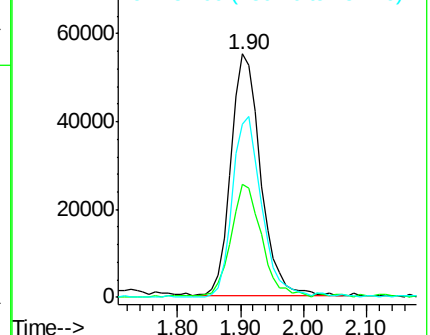
151 71.1 58.8 88.2



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

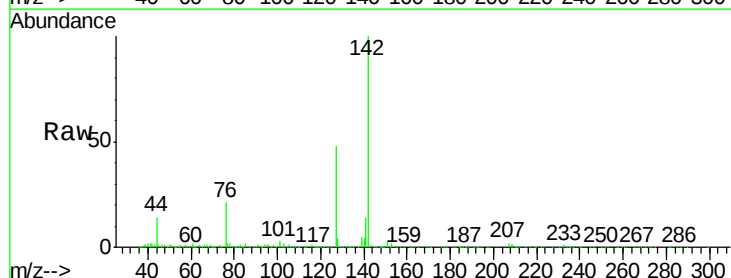
Tgt Ion:142 Resp: 361476

Ion Ratio Lower Upper

142 100

127 48.3 38.1 57.1

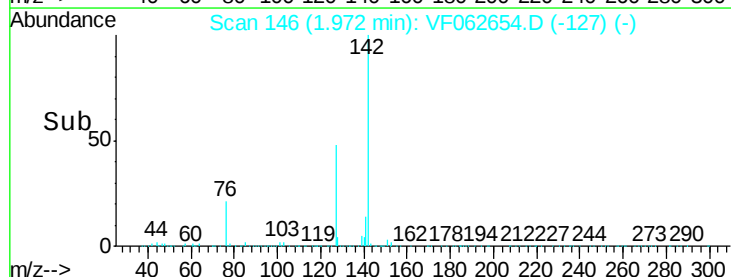
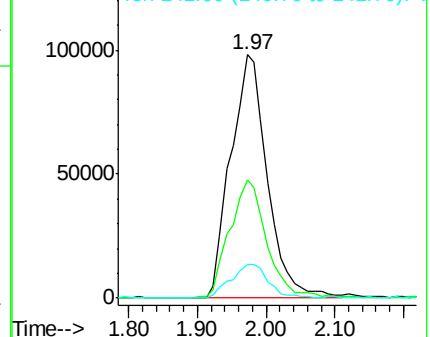
141 13.9 11.7 17.5

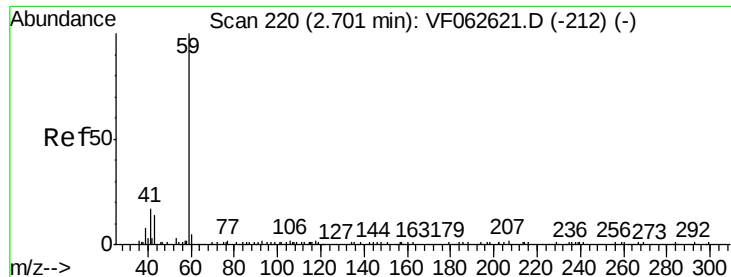


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



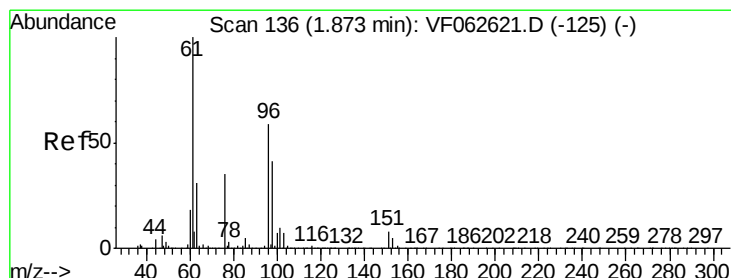
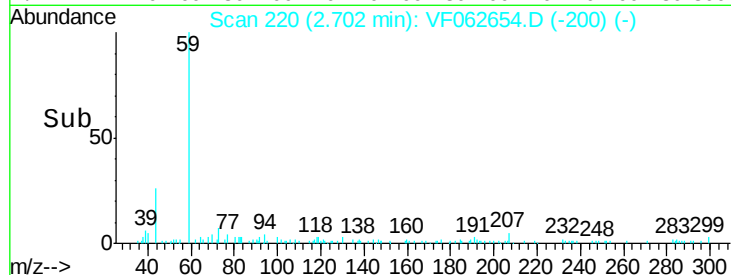
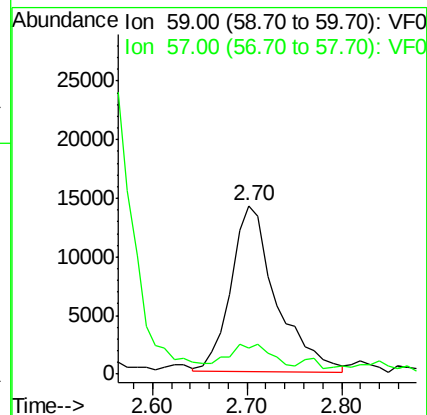
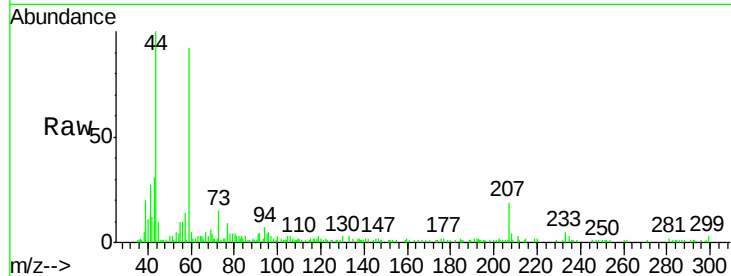


#11

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

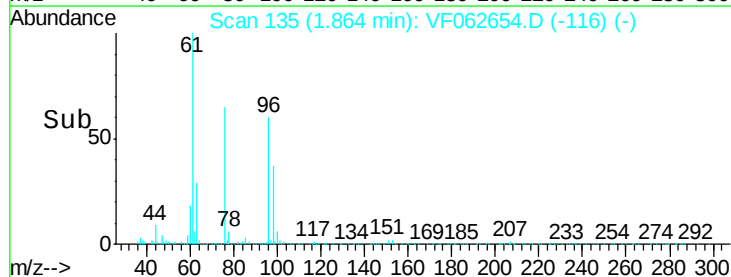
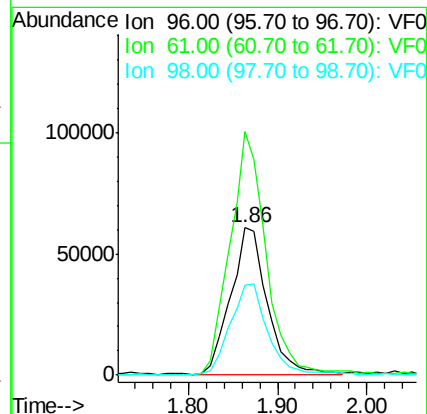
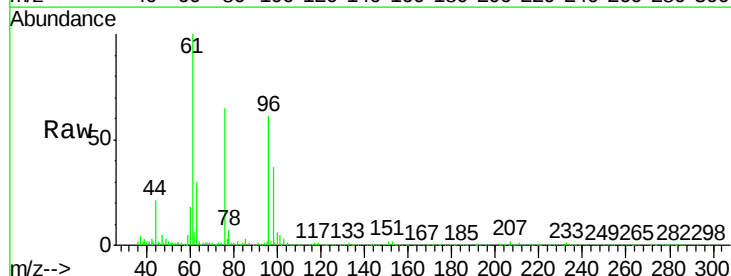
Tot Ion: 59 Resp: 46986
 Ion Ratio Lower Upper
 59 100
 57 15.6 9.3 13.9#

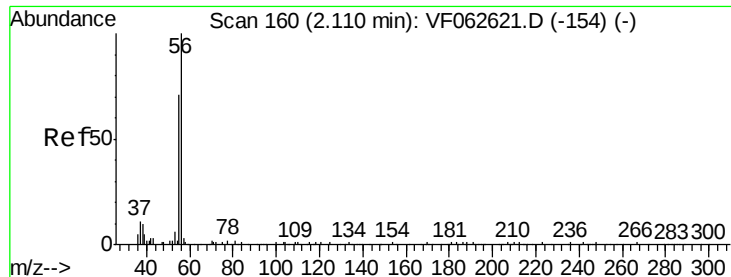


#12

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 :

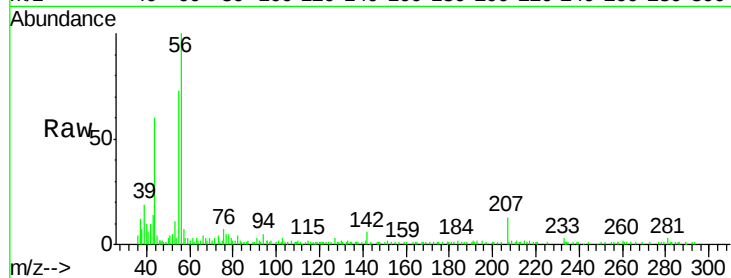
VF0520SBS01

Tot Ion: 56 Resp: 45131

Ion Ratio Lower Upper

56 100

55 72.9 59.4 89.0



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.11

20000

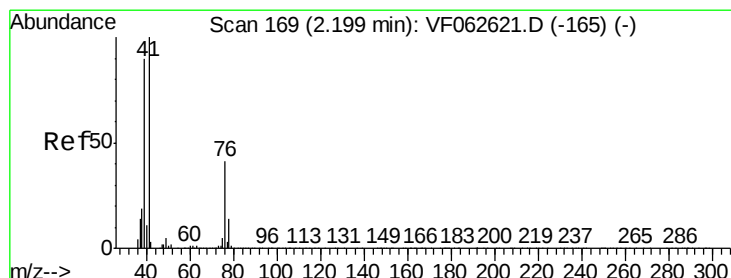
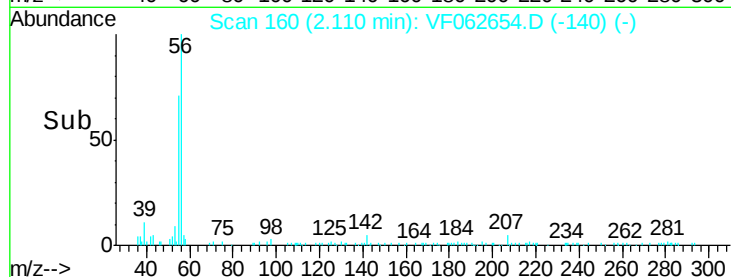
15000

10000

5000

0

Time--> 2.00 2.10 2.20



#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

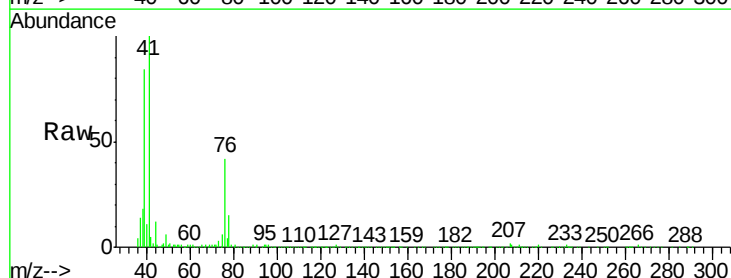
Tgt Ion: 41 Resp: 216180

Ion Ratio Lower Upper

41 100

39 83.7 72.0 108.0

76 41.9 34.8 52.2



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

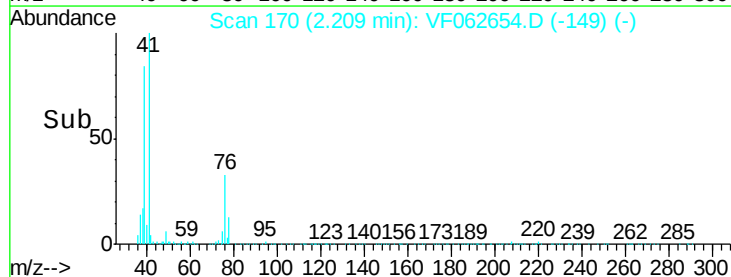
2.21

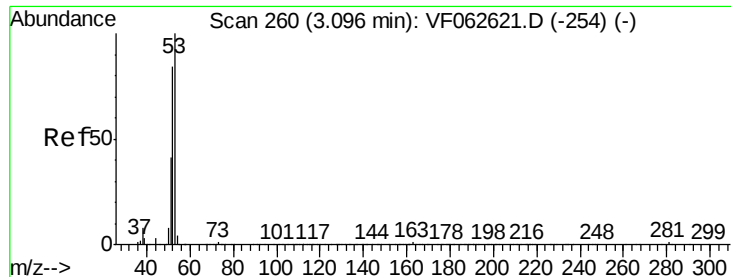
100000

50000

0

Time--> 2.10 2.20 2.30





#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

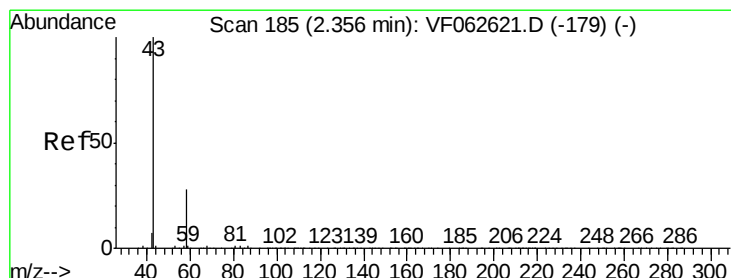
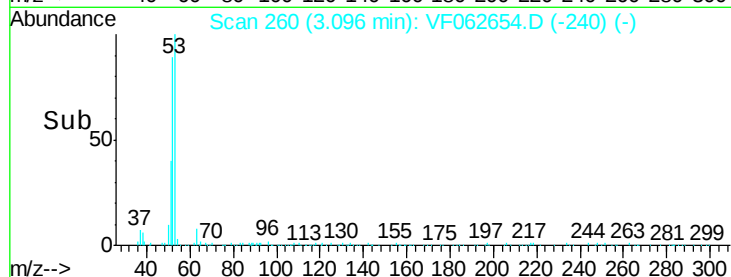
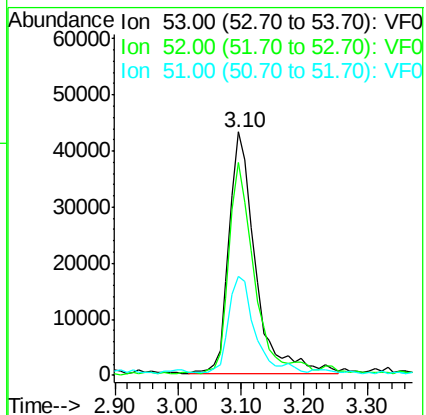
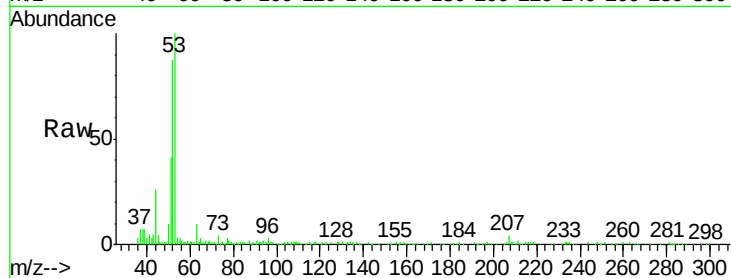
Tot Ion: 53 Resp: 124814

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

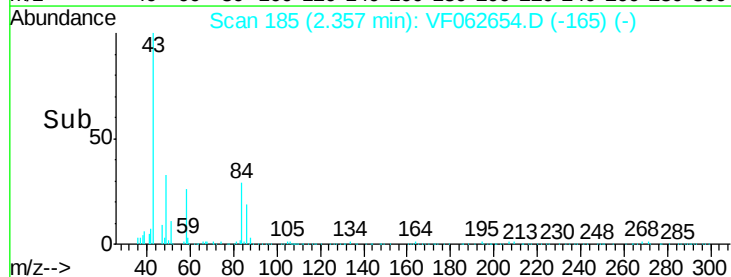
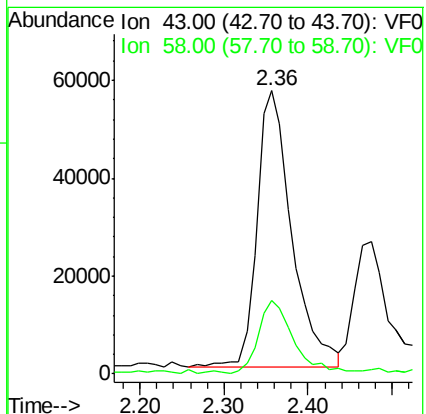
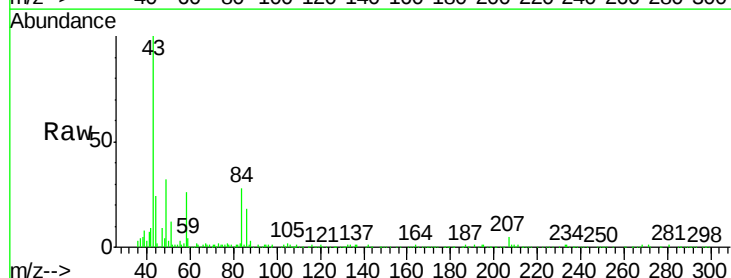
Acq: 20 May 2019 12:13

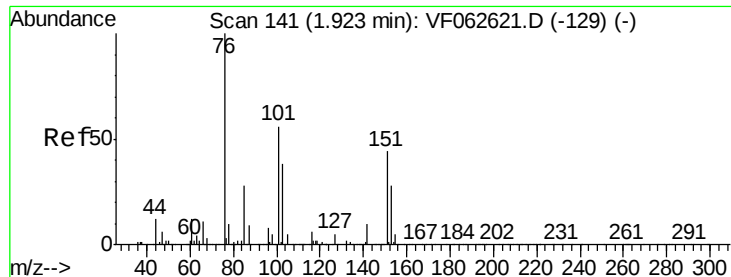
Tgt Ion: 43 Resp: 162976

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 :

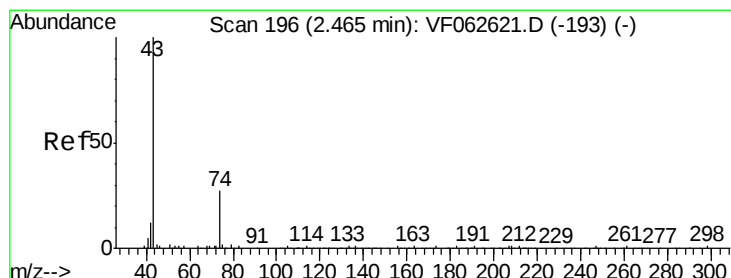
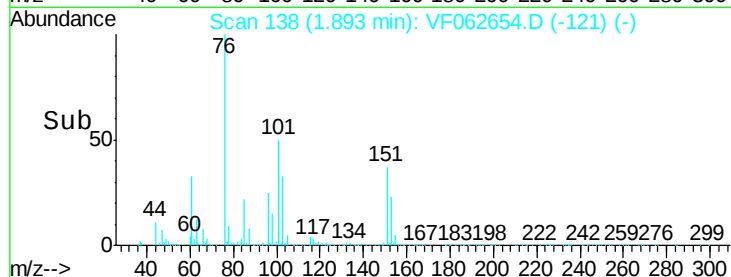
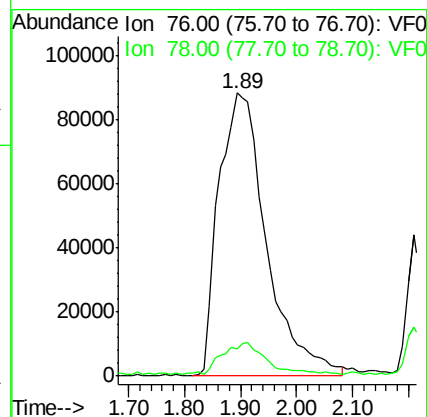
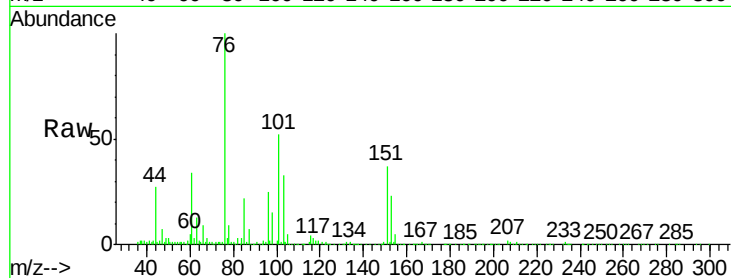
VF0520SBS01

Tot 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

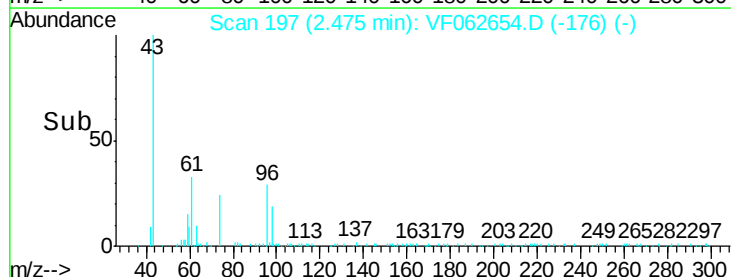
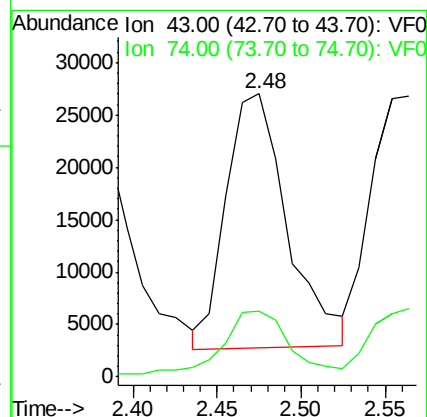
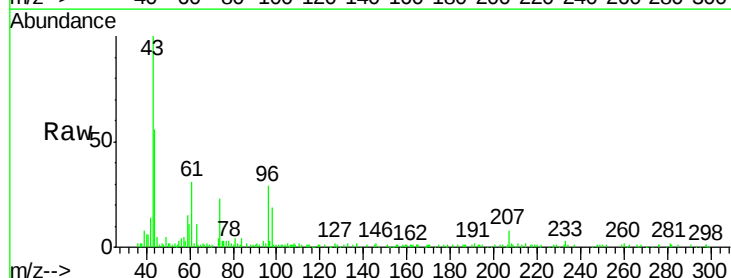
Acq: 20 May 2019 12:13

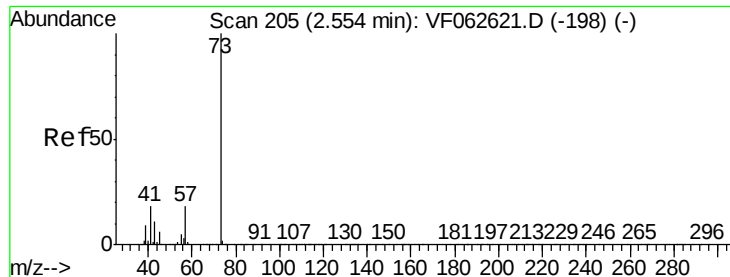
Tgt Ion: 43 Resp: 61065

Ion Ratio Lower Upper

43 100

74 23.2 18.9 28.3



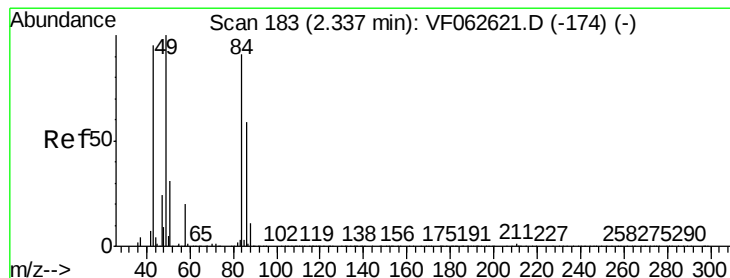
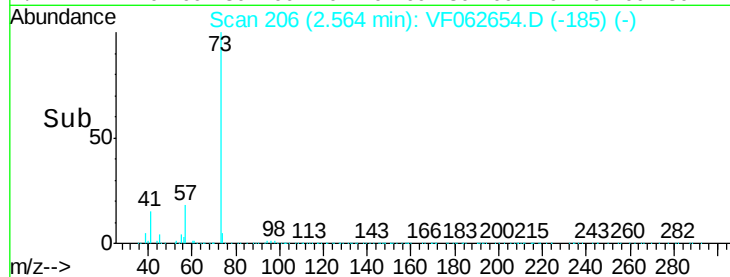
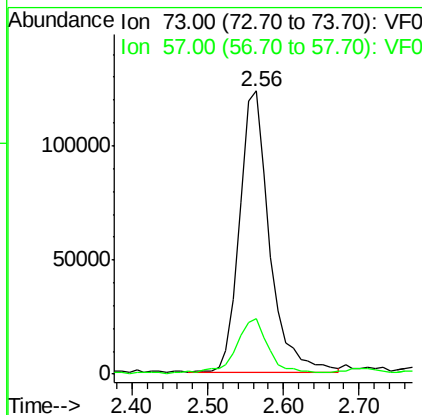
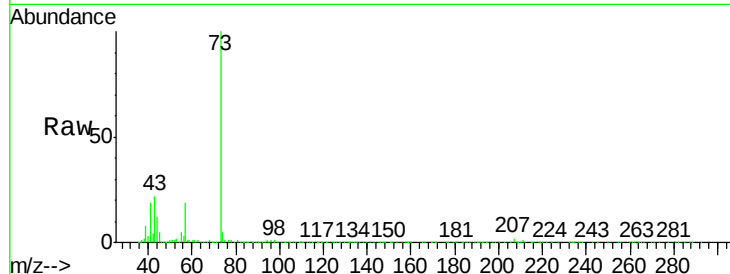


#19

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

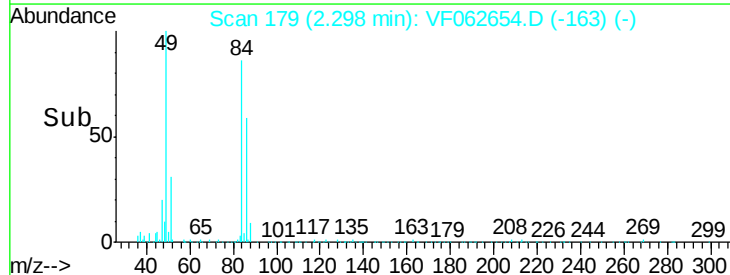
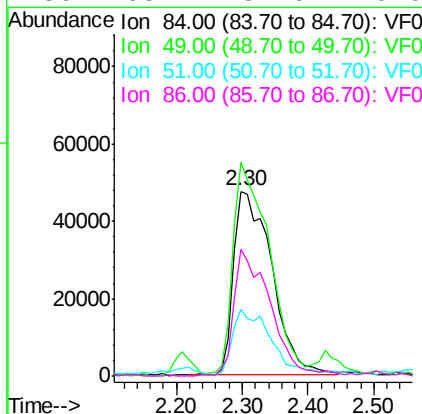
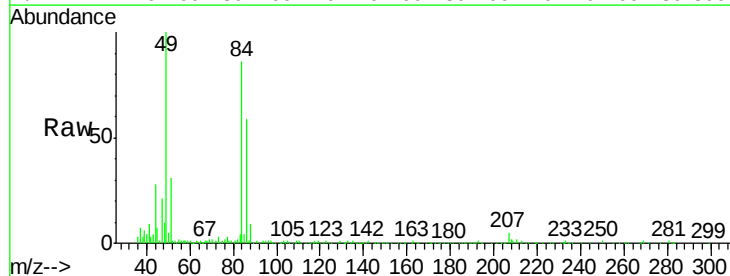
Tot Ion: 73 Resp: 334929
 Ion Ratio Lower Upper
 73 100
 57 19.5 14.2 21.4

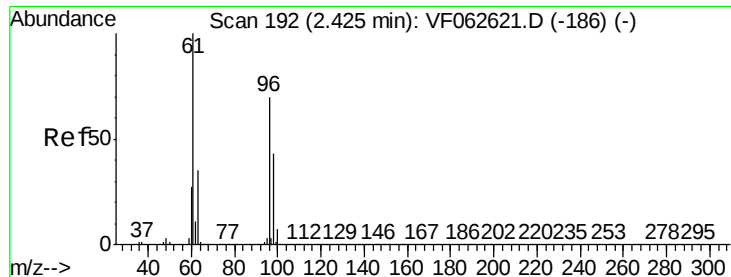


#20

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

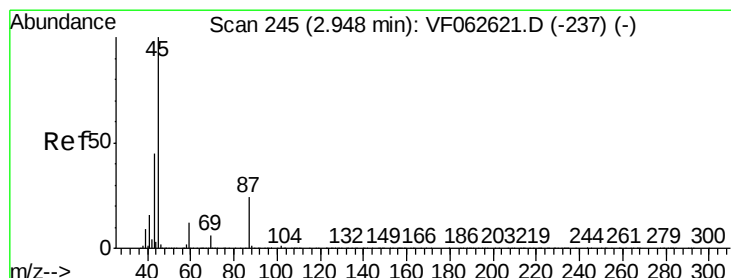
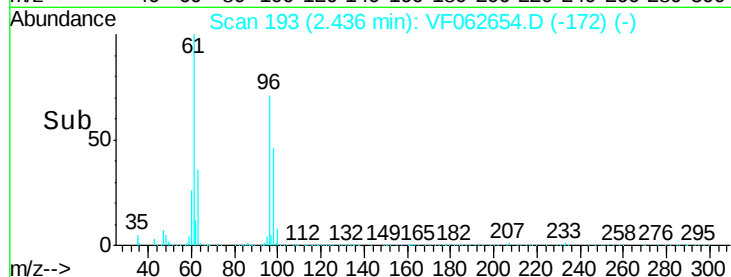
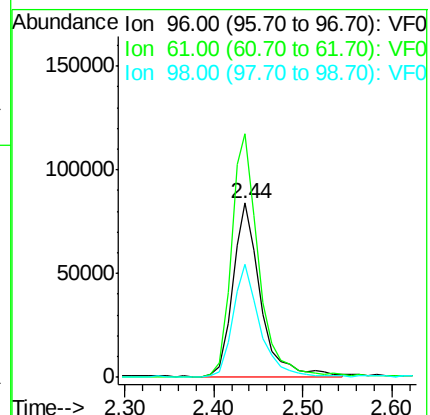
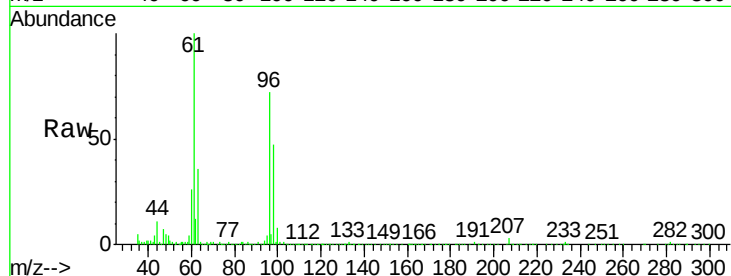
Tot Ion: 96 Resp: 181357

Ion Ratio Lower Upper

96 100

61 139.8 114.6 171.8

98 65.1 49.5 74.3



#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

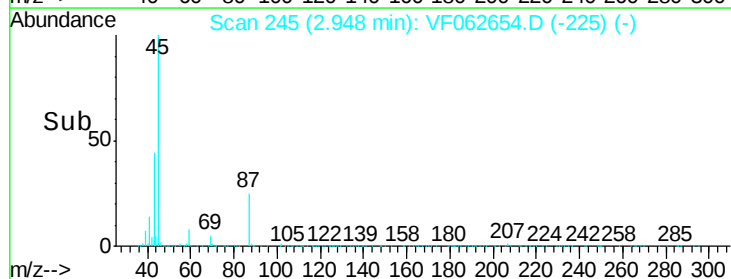
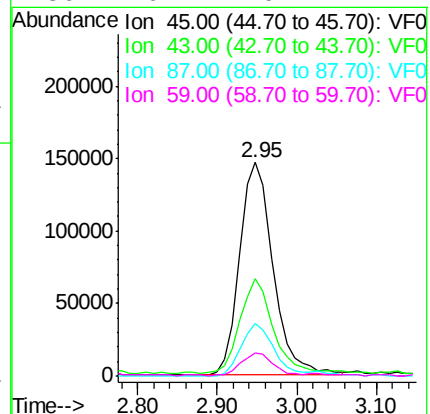
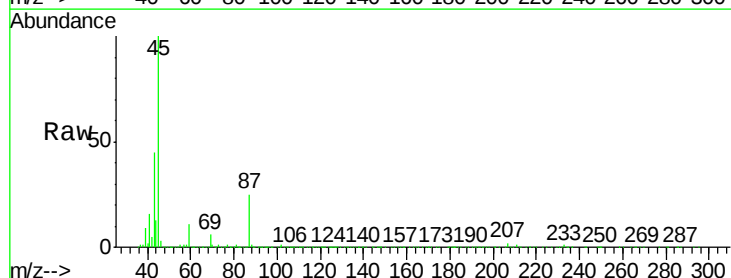
Ion Ratio Lower Upper

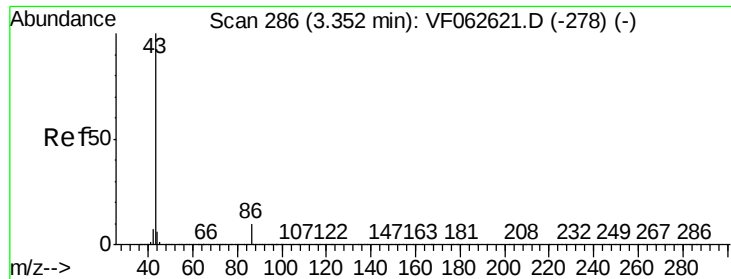
45 100

43 45.4 36.4 54.6

87 24.7 19.3 28.9

59 10.7 9.4 14.2





#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 :

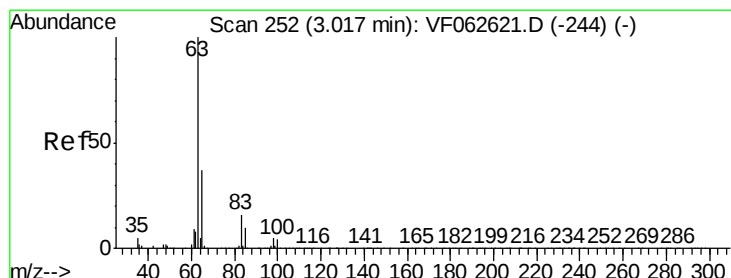
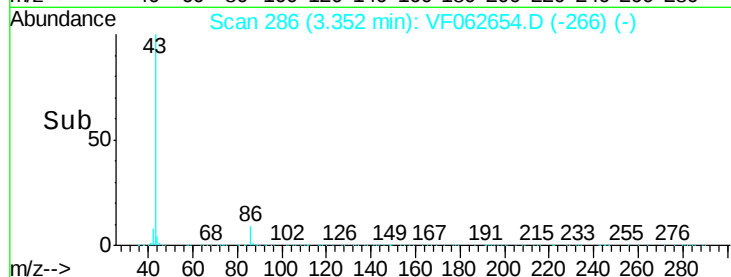
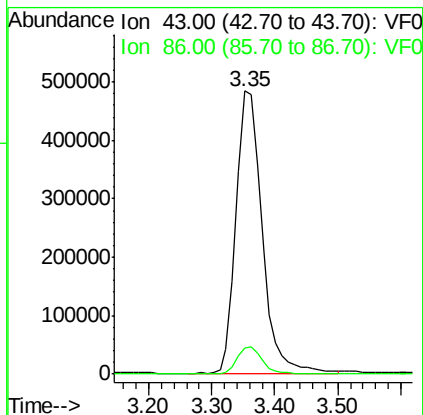
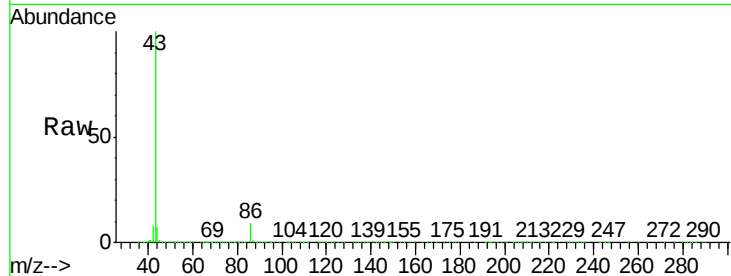
VF0520SBS01

Tot 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

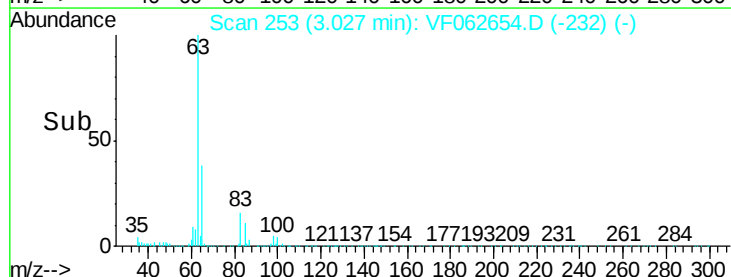
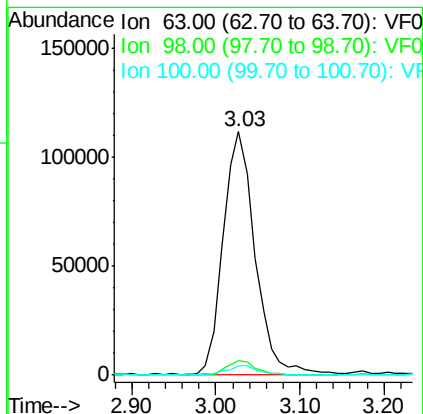
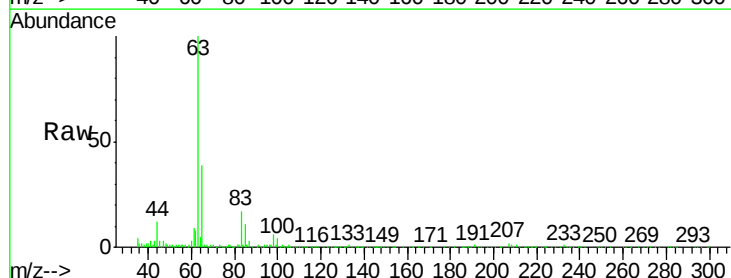
Tgt Ion: 63 Resp: 294496

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 :

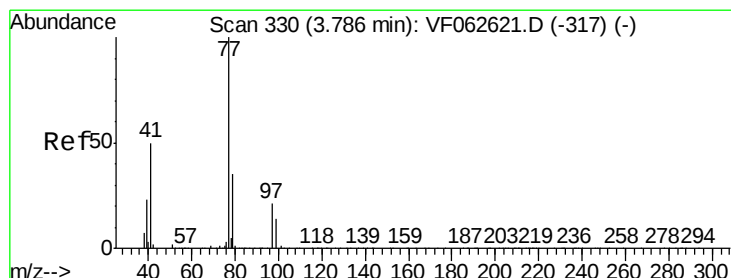
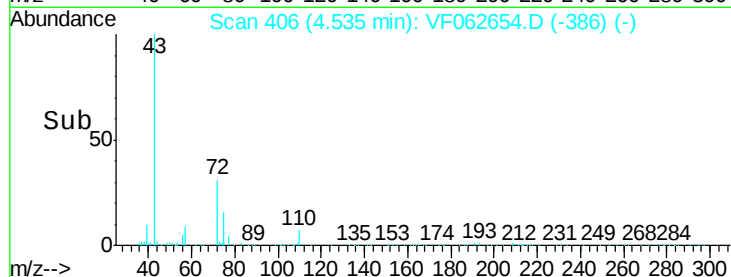
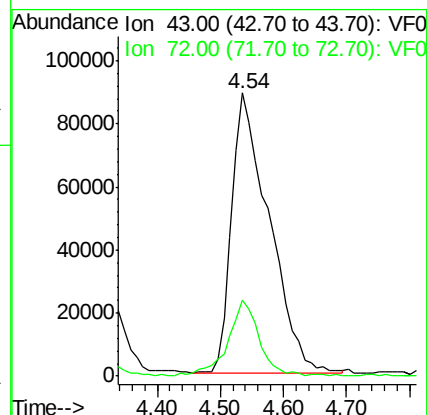
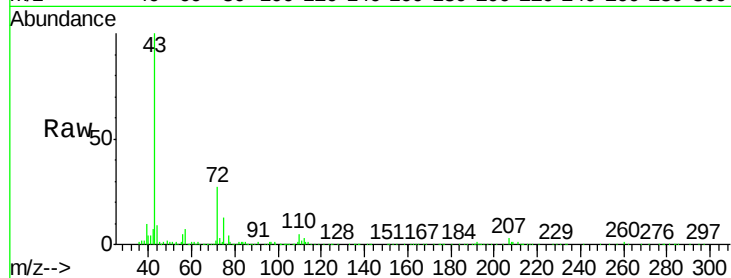
VF0520SBS01

Tot 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

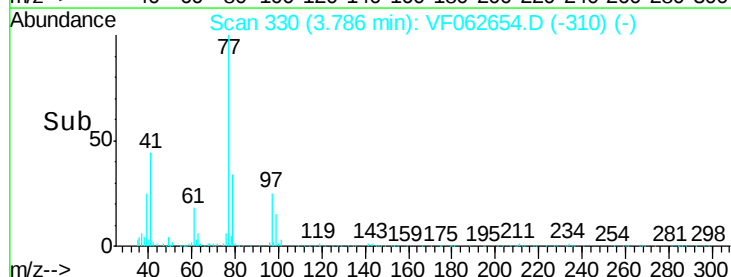
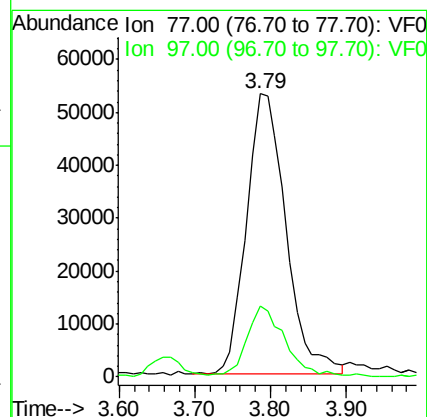
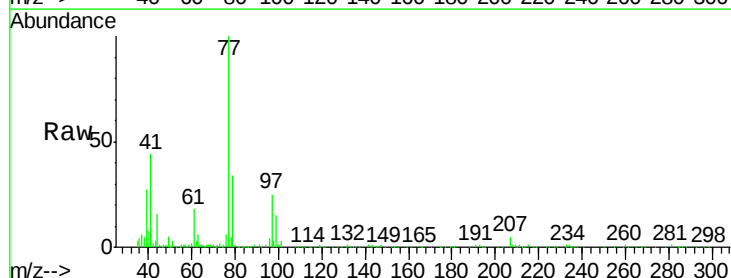
Acq: 20 May 2019 12:13

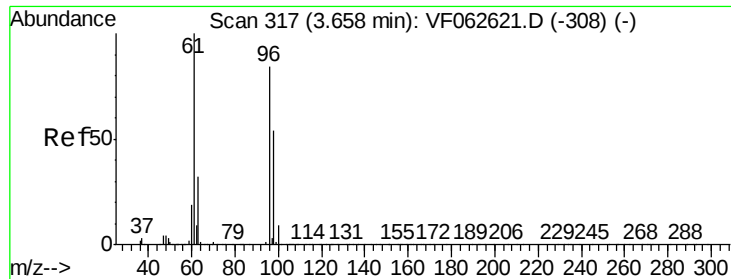
Tgt Ion: 77 Resp: 191606

Ion Ratio Lower Upper

77 100

97 25.2 14.1 42.4



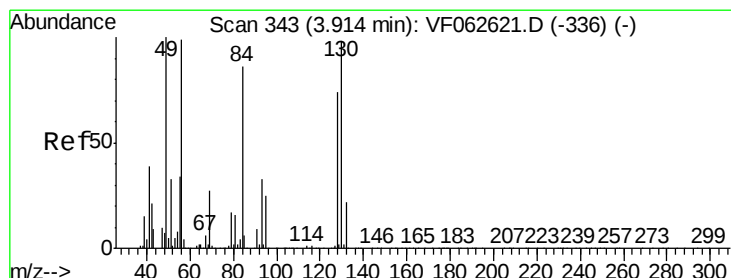
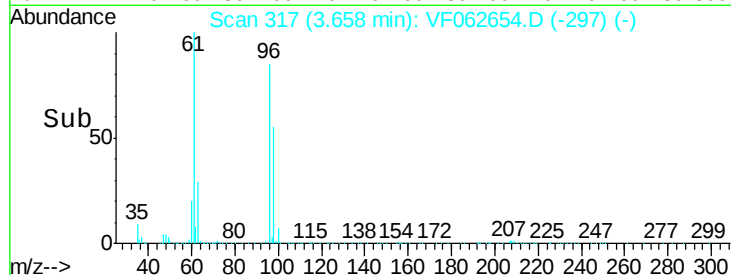
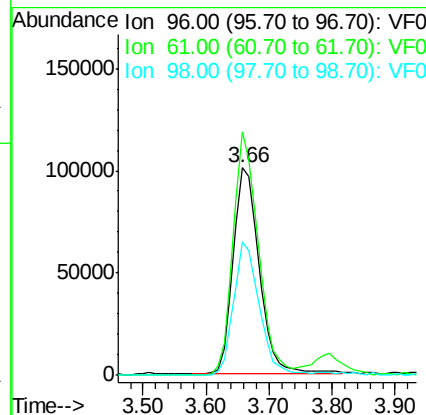
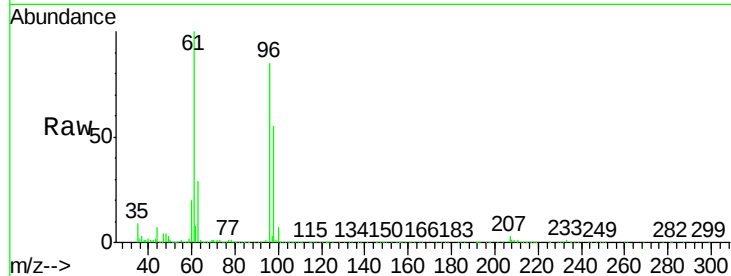


#27

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

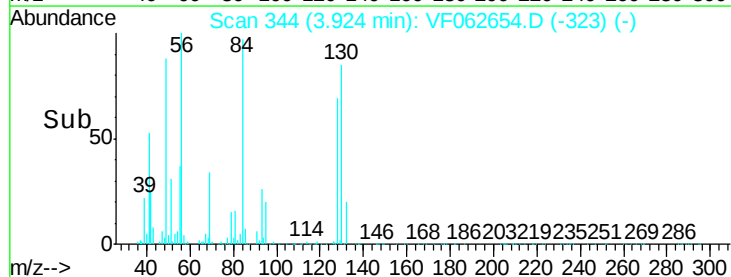
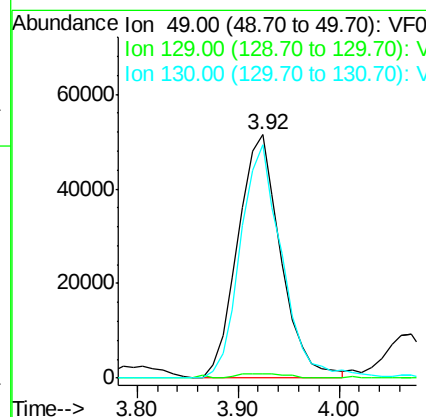
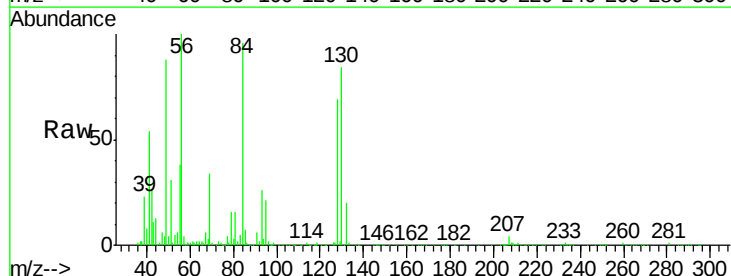
Tot Ion	96	Resp	290782
Ion	Ratio	Lower	Upper
96	100		
61	117.3	0.0	237.4
98	64.2	0.0	129.0

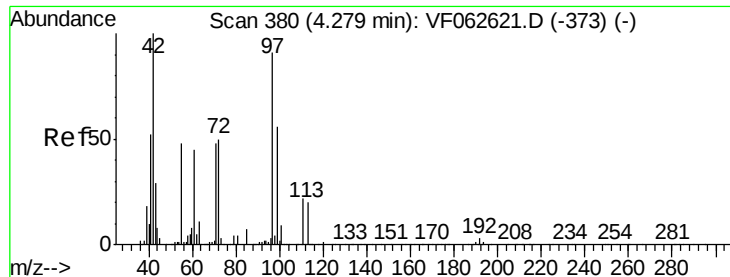


#28

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	49	Resp	151428
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	95.8	77.8	116.8

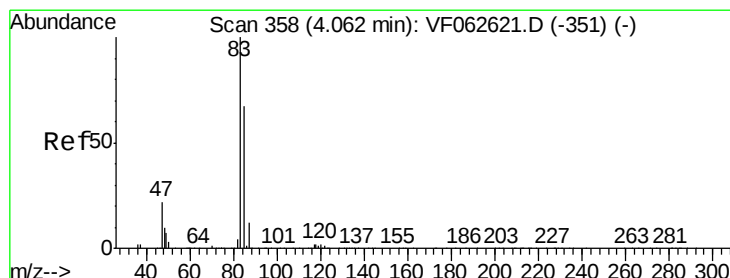
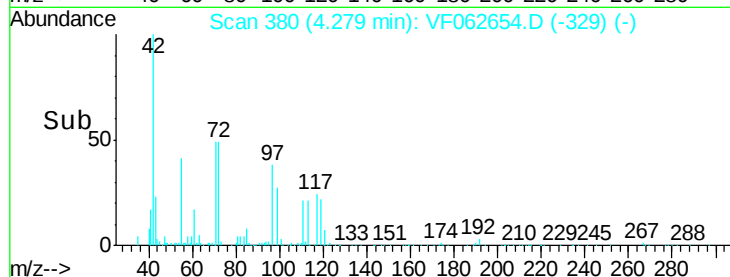
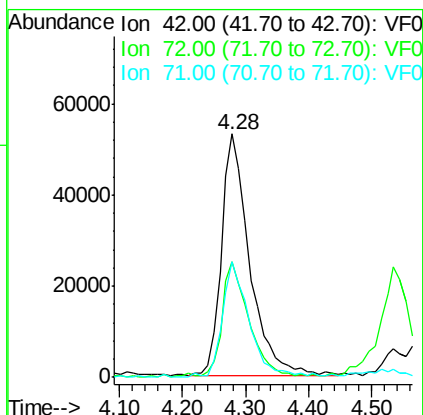
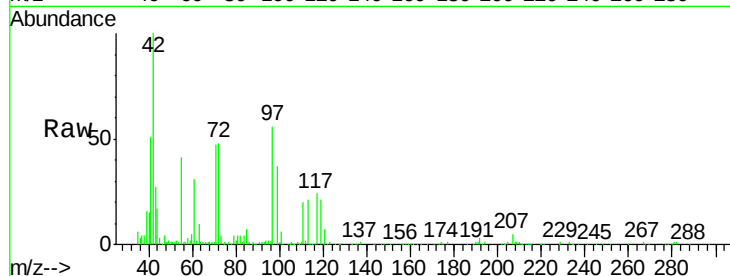




#29
Tetrahydrofuran
Concen: 112.302 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.00 min
Lab File: VF062654.D
Acq: 20 May 2019 12:13

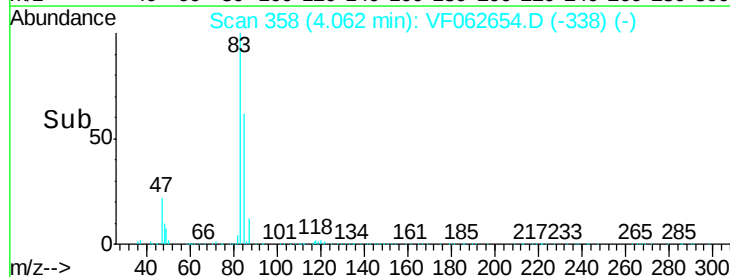
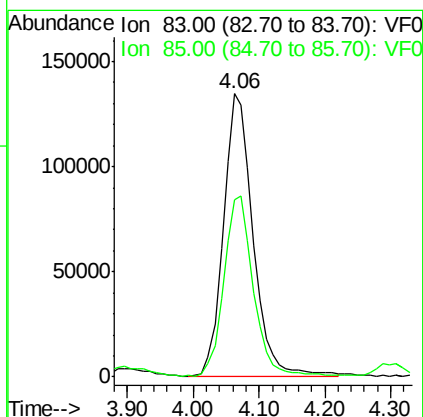
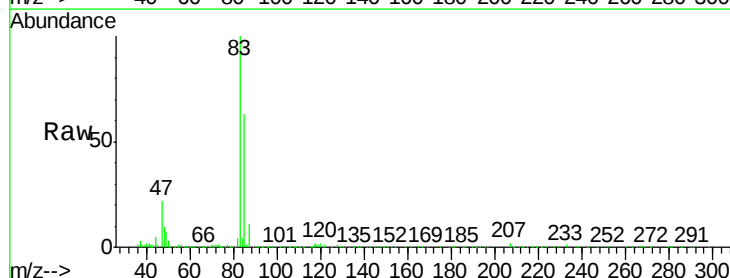
Instrument :
MSVOA_F
ClientSampleId :
VF0520SBS01

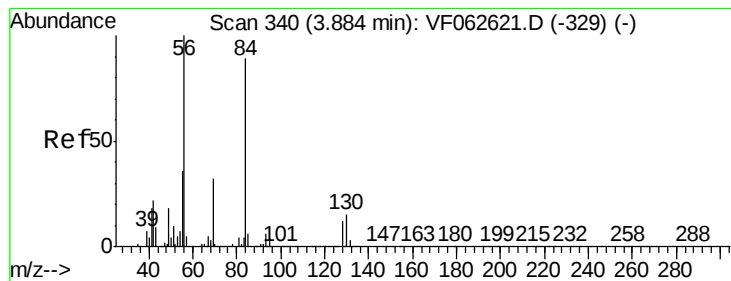
Tot Ion	Ratio	Lower	Upper
42	100		
72	44.6	38.2	57.2
71	45.7	35.8	53.6



#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	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

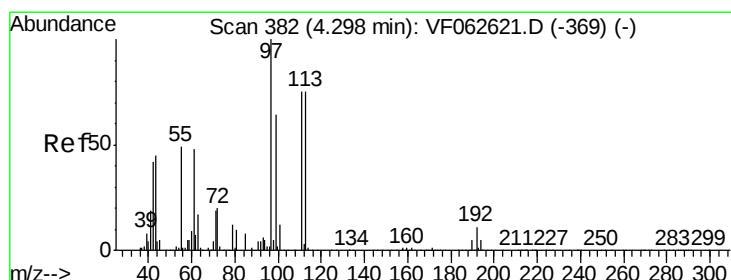
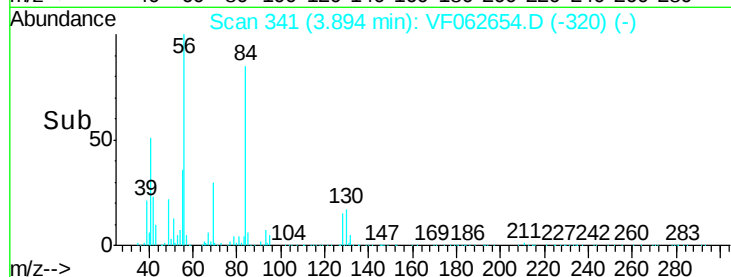
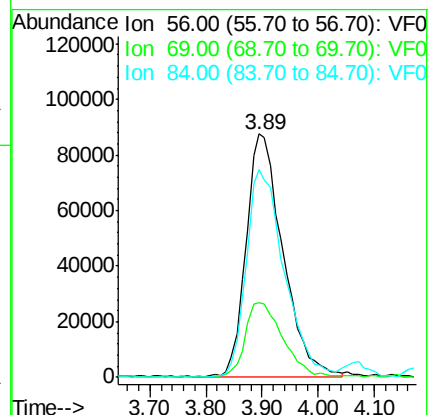
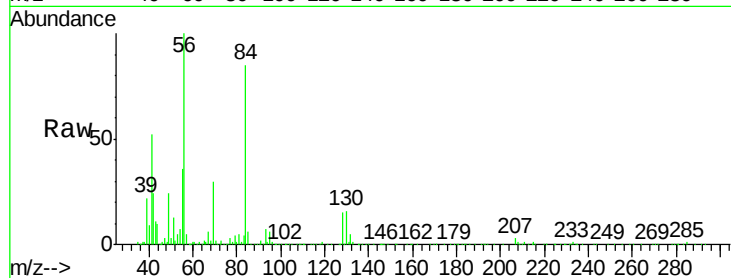
Tot Ion: 56 Resp: 394959

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

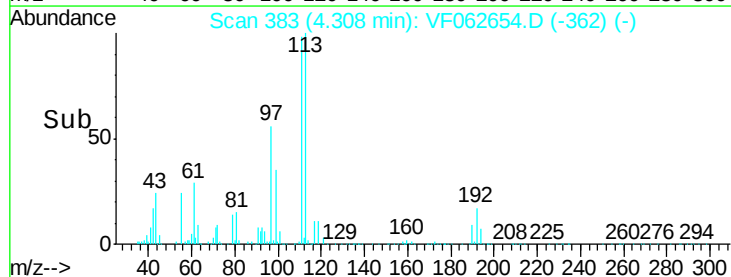
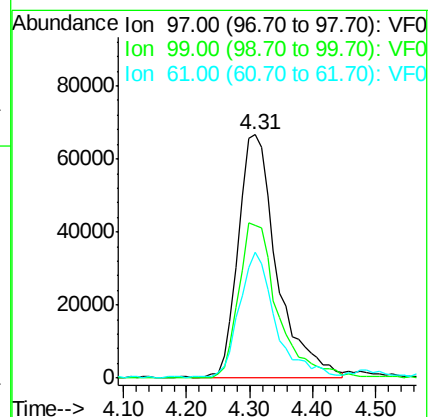
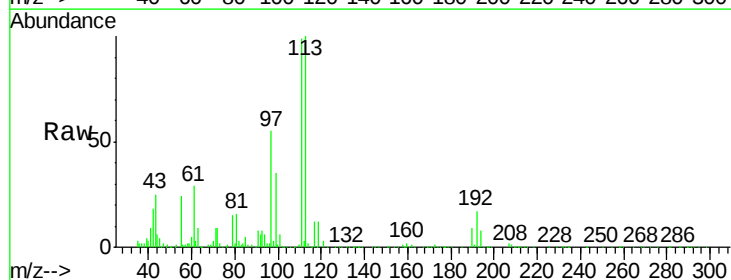
Tgt Ion: 97 Resp: 281322

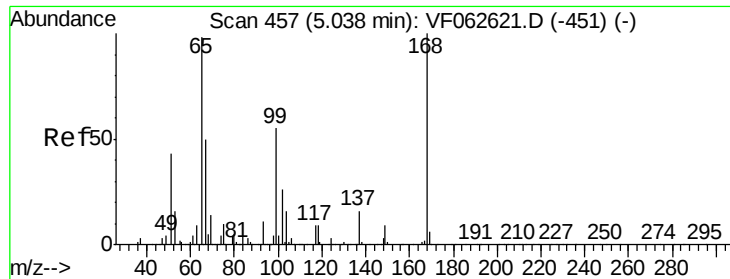
Ion Ratio Lower Upper

97 100

99 62.9 51.3 76.9

61 51.7 38.2 57.2

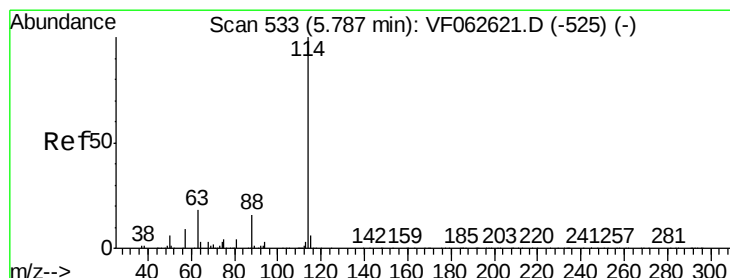
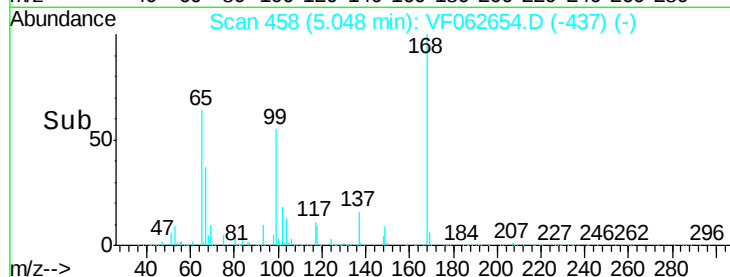
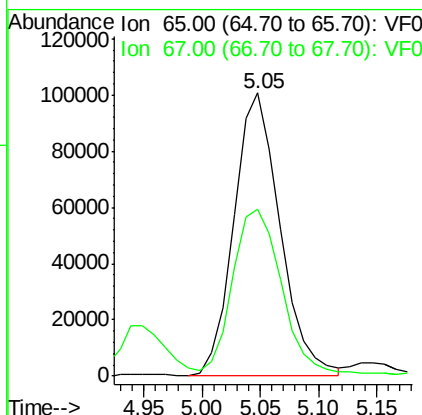
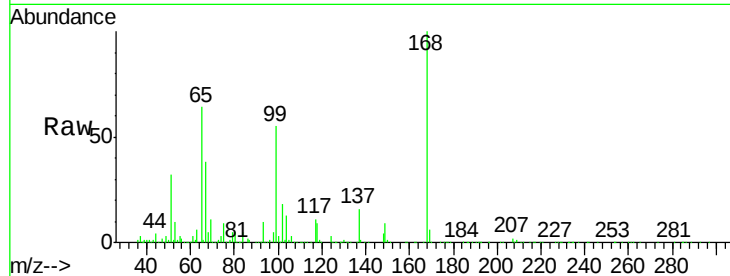




#33
 1,2-Dichloroethane-d4
 Concen: 41.892 ug/l
 RT: 5.05 min Scan# 458
 Delta R.T. 0.01 min
 Lab File: VF062654.D
 Acq: 20 May 2019 12:13

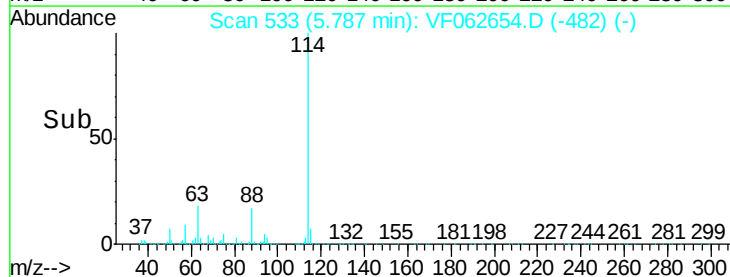
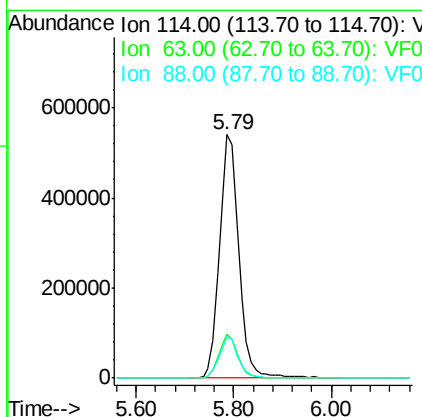
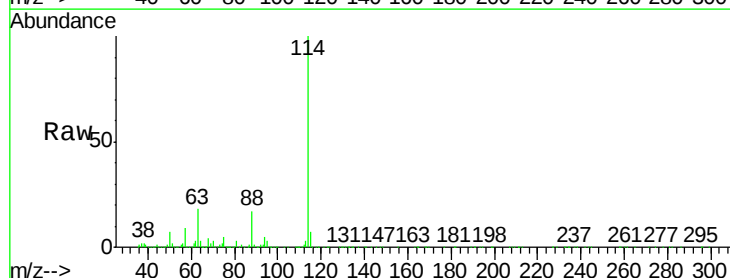
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0520SBS01

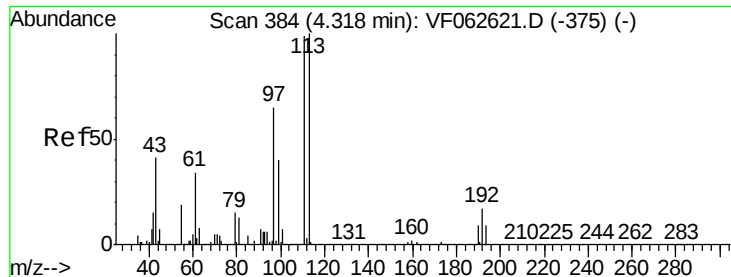
Tot Ion: 65 Resp: 275990
 Ion Ratio Lower Upper
 65 100
 67 59.0 0.0 117.6



#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

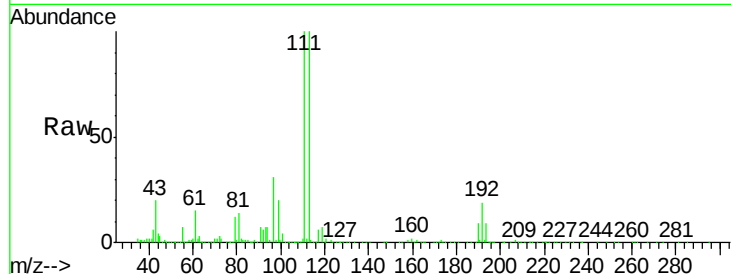
Tot Ion:113 Resp: 502222

Ion Ratio Lower Upper

113 100

111 100.0 79.4 119.2

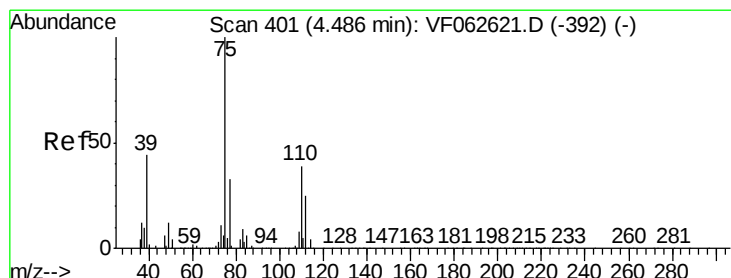
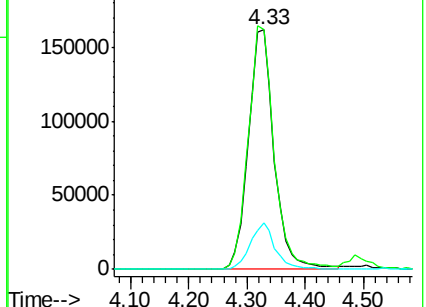
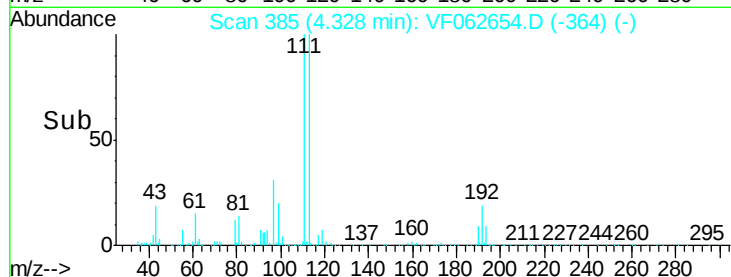
192 19.4 13.4 20.2



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 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

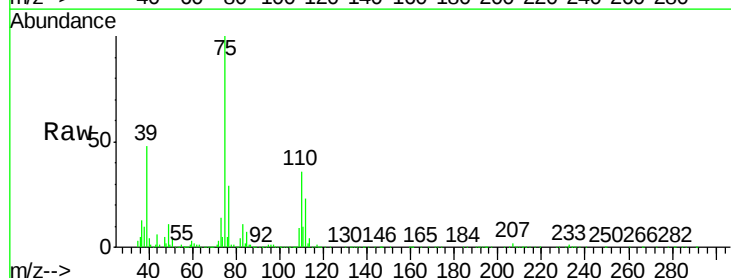
Tgt Ion: 75 Resp: 314851

Ion Ratio Lower Upper

75 100

110 35.8 19.7 59.1

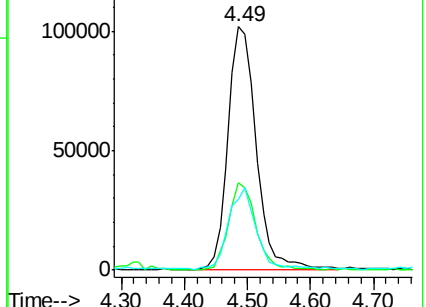
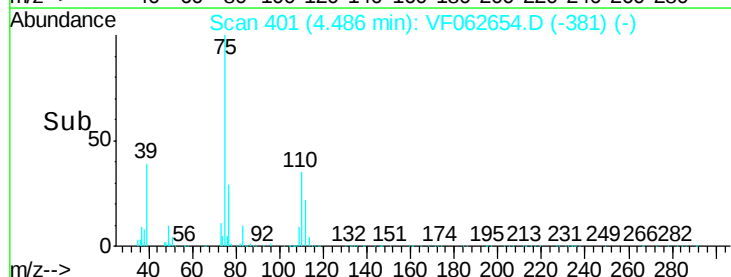
77 29.2 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

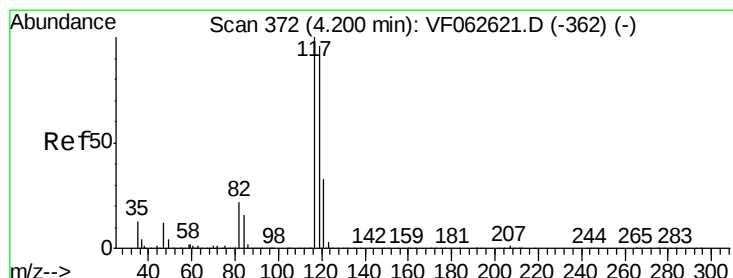
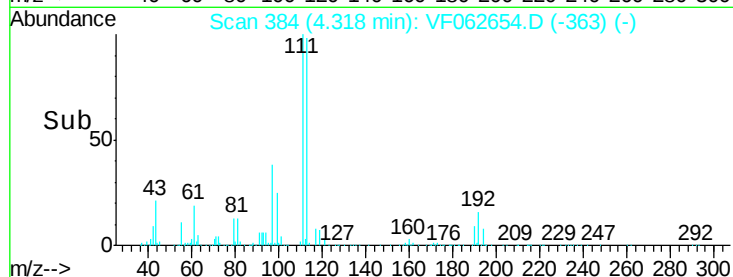
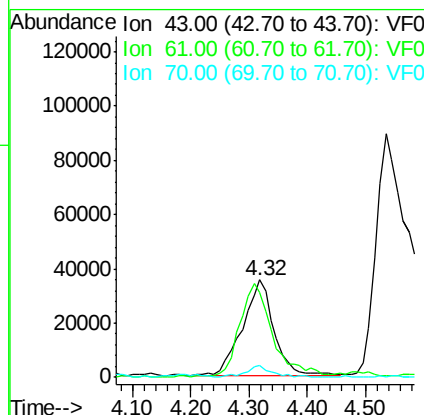
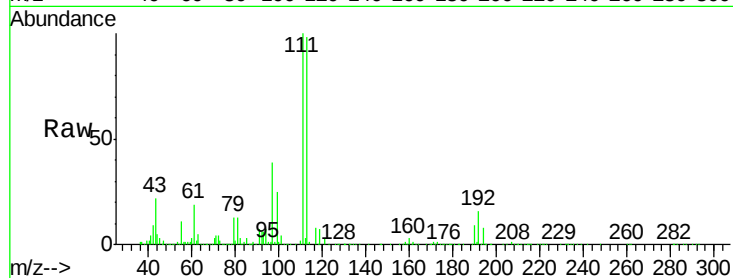




#37
Ethyl Acetate
Concen: 21.546 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.01 min
Lab File: VF062654.D
Acq: 20 May 2019 12:13

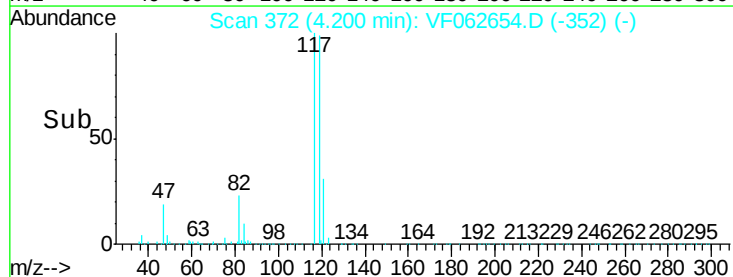
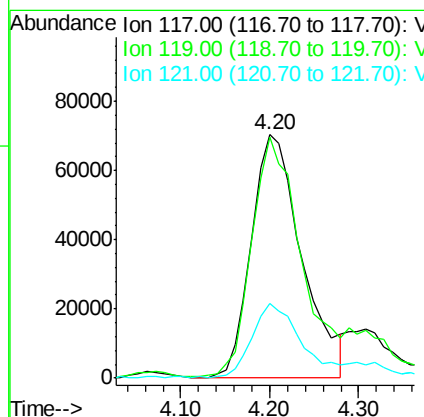
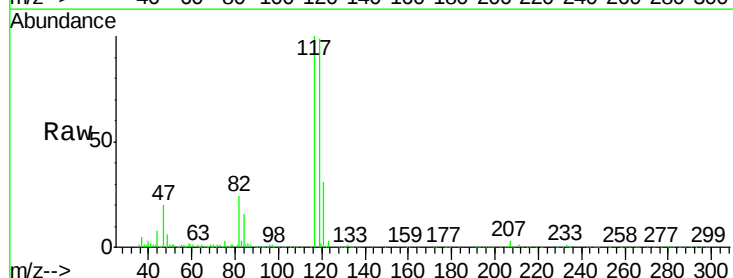
Instrument :
MSVOA_F
ClientSampleId :
VF0520SBS01

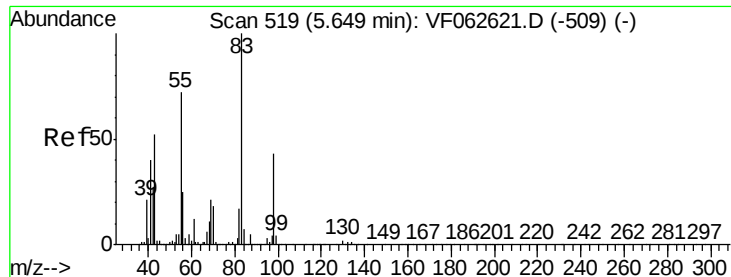
Tot Ion	43	Resp	134905
Ion Ratio	Lower	Upper	
43	100		
61	87.2	76.9	115.3
70	12.0	8.8	13.2



#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	117	Resp	275104
Ion Ratio	Lower	Upper	
117	100		
119	99.0	76.7	115.1
121	30.8	26.6	40.0

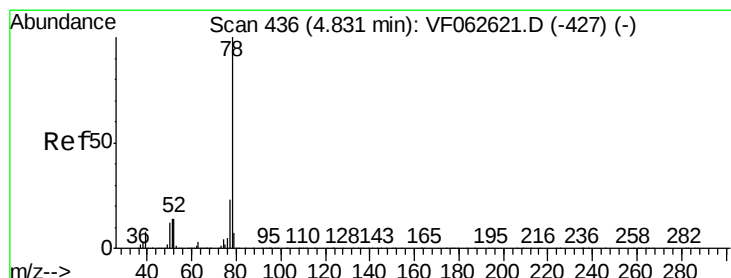
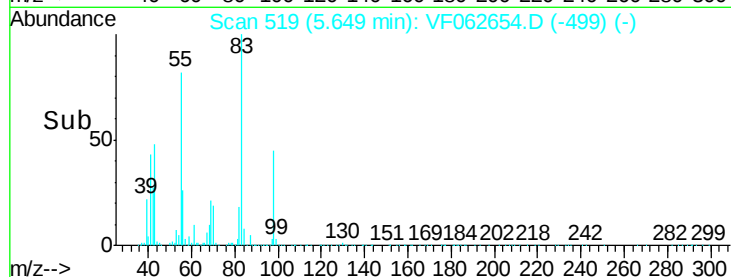
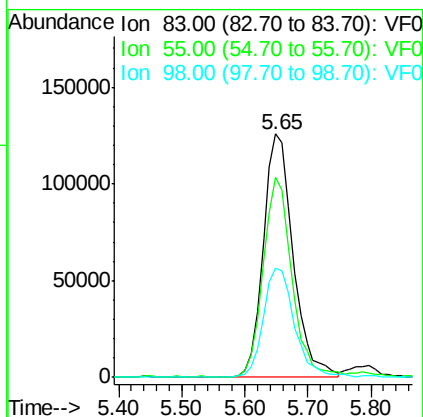
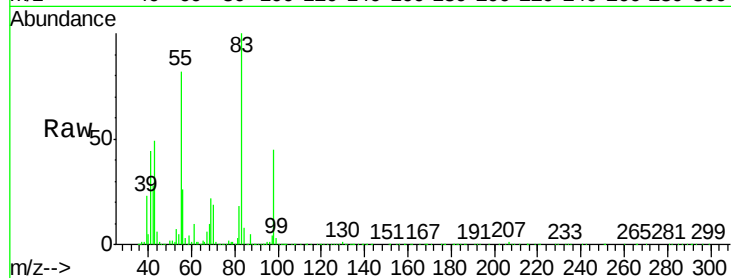




#39
Methvlcvclohexane
Concen: 22.385 ug/l
RT: 5.65 min Scan# 519
Delta R.T. 0.00 min
Lab File: VF062654.D
Acq: 20 May 2019 12:13

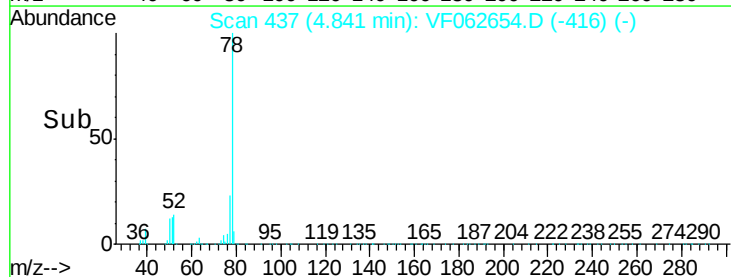
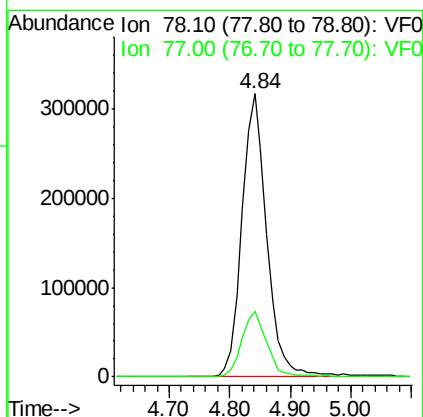
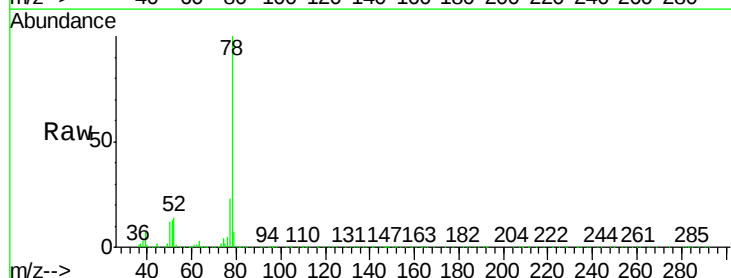
Instrument :
MSVOA_F
ClientSampleId :
VF0520SBS01

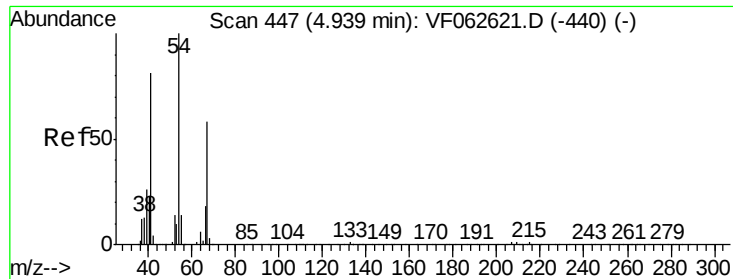
Tot Ion: 83 Resp: 413028
Ion Ratio Lower Upper
83 100
55 82.2 57.9 86.9
98 44.9 34.6 52.0



#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

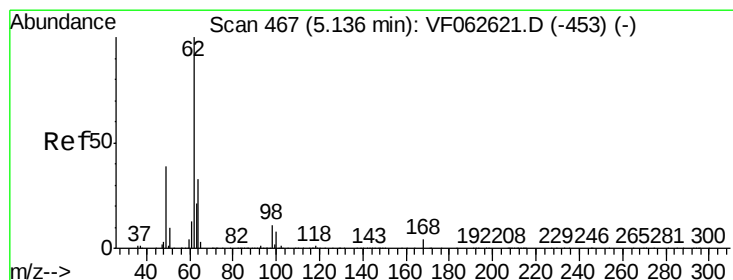
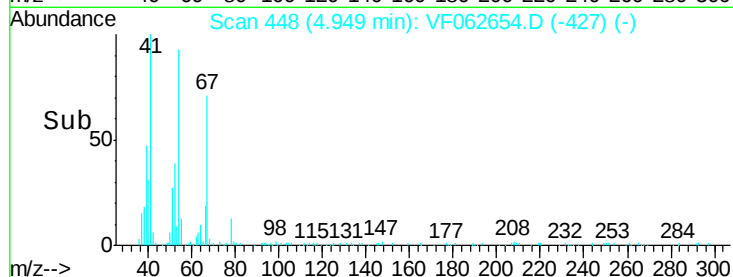
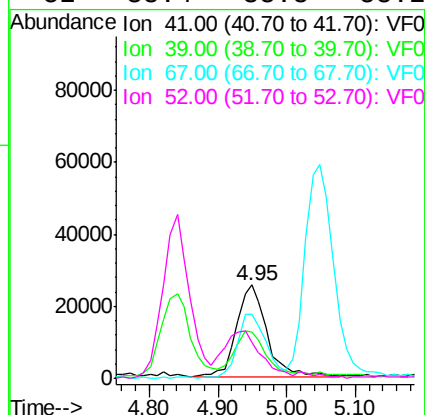
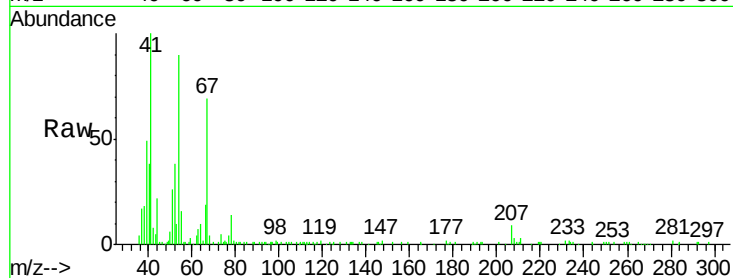




#41
Methacrylonitrile
Concen: 23.383 ug/l
RT: 4.95 min Scan# 448
Delta R.T. 0.01 min
Lab File: VF062654.D
Acq: 20 May 2019 12:13

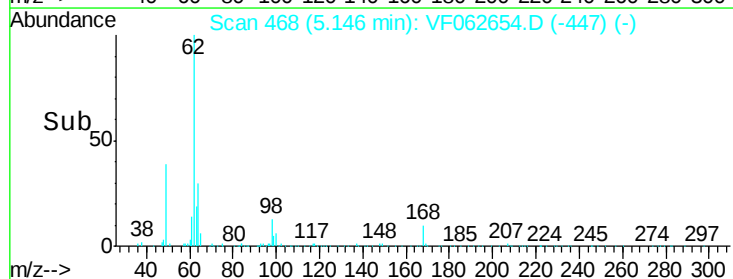
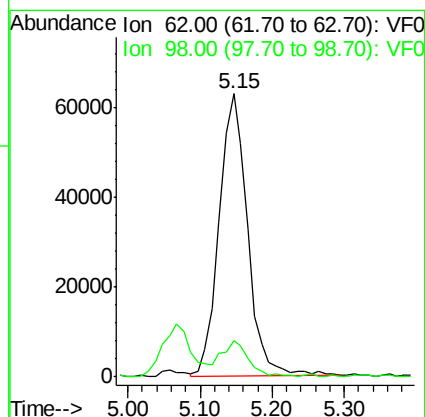
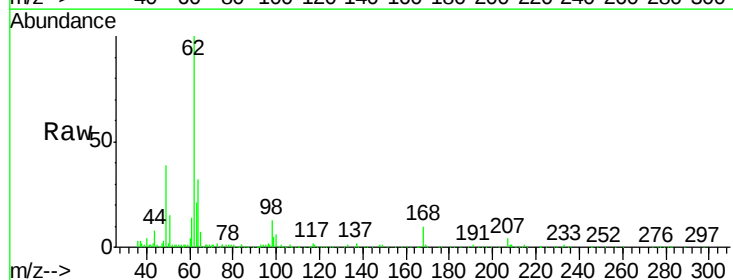
Instrument :
MSVOA_F
ClientSampleId :
VF0520SBS01

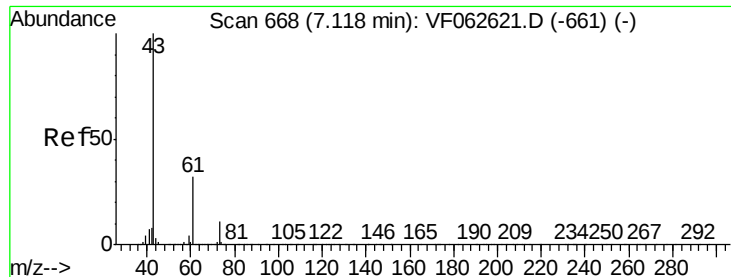
Tot Ion:	41	Resp:	76755
Ion	Ratio	Lower	Upper
41	100		
39	49.3	42.2	63.2
67	69.0	56.4	84.6
52	38.4	38.8	58.2#



#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



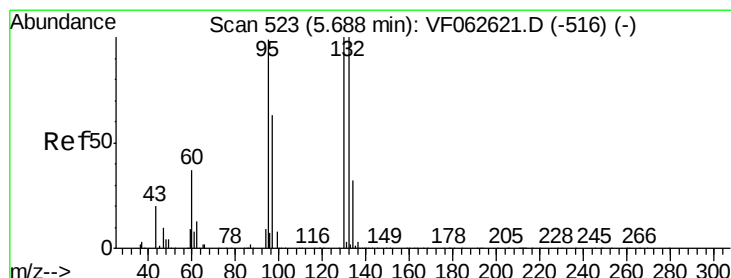
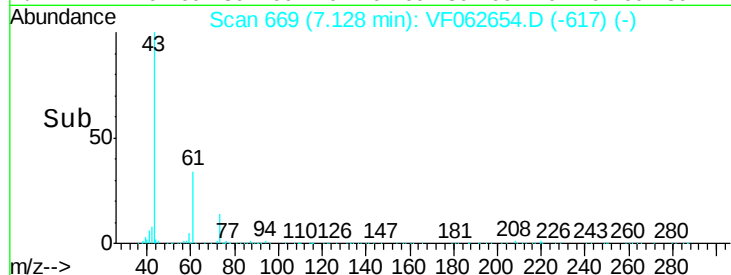
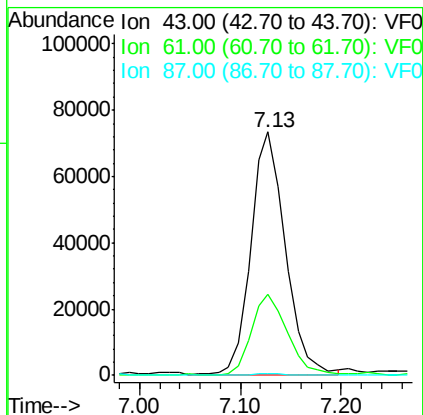
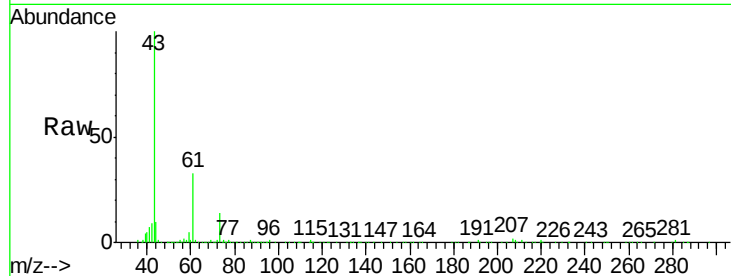


#43

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

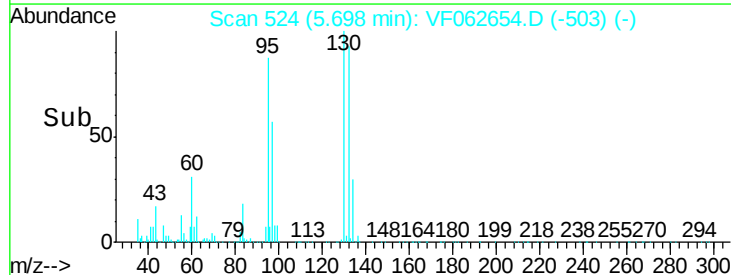
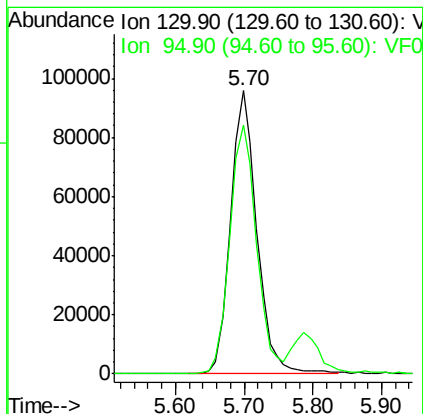
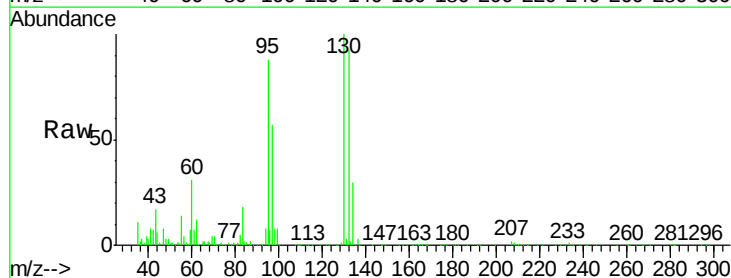
Tot Ion: 43 Resp: 172901
 Ion Ratio Lower Upper
 43 100
 61 33.1 25.8 38.8
 87 0.6 0.4 0.6

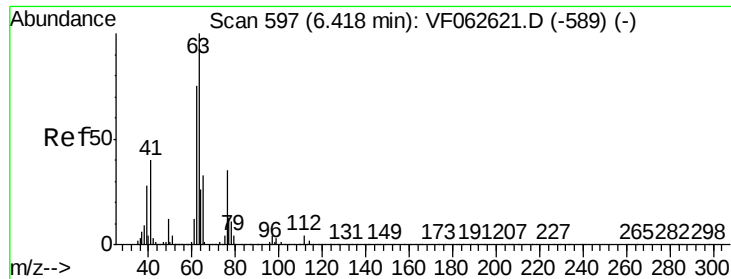


#44

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





#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 :

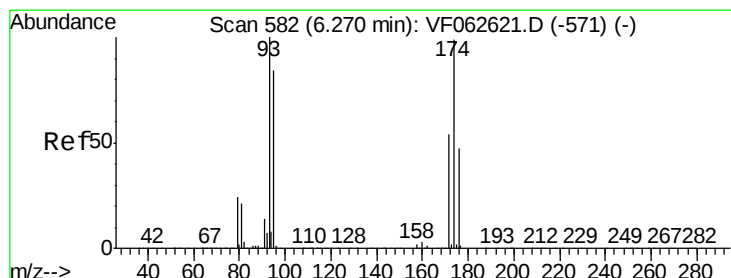
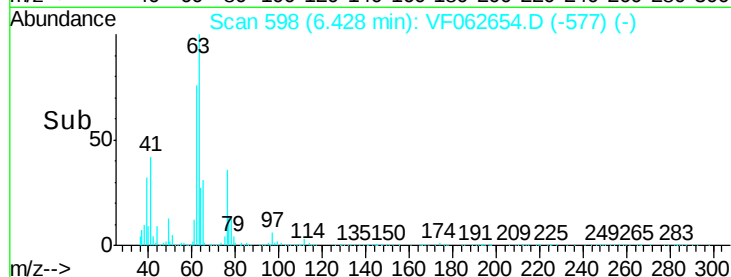
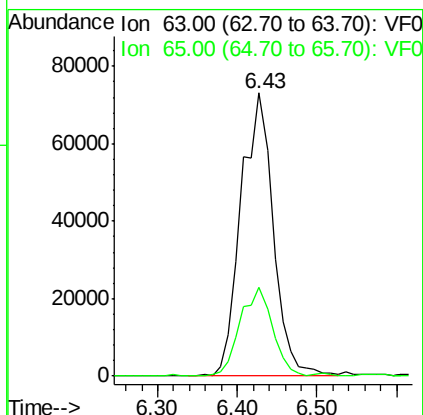
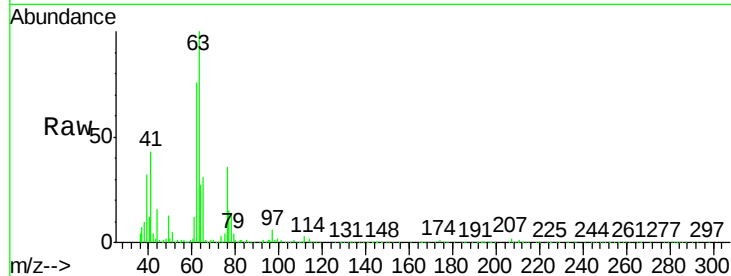
VF0520SBS01

Tot 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

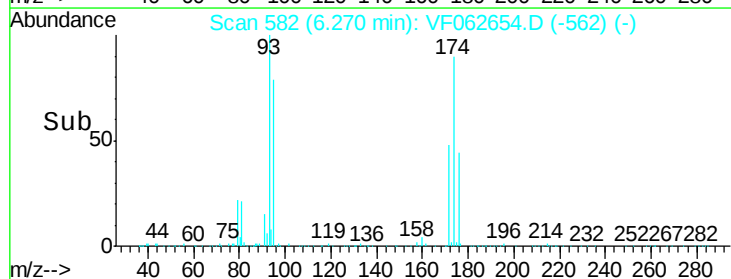
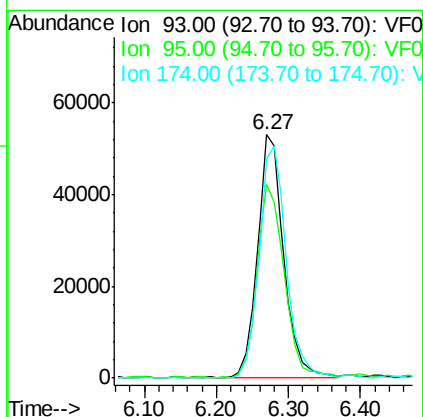
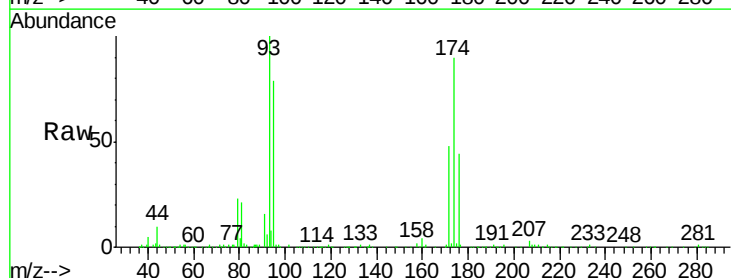
Tgt Ion: 93 Resp: 135209

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

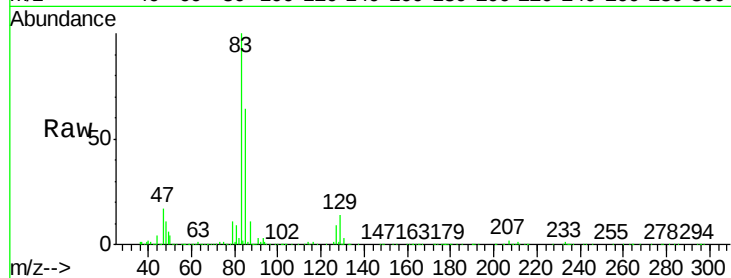
Tot Ion: 83 Resp: 282097

Ion Ratio Lower Upper

83 100

85 63.7 52.0 78.0

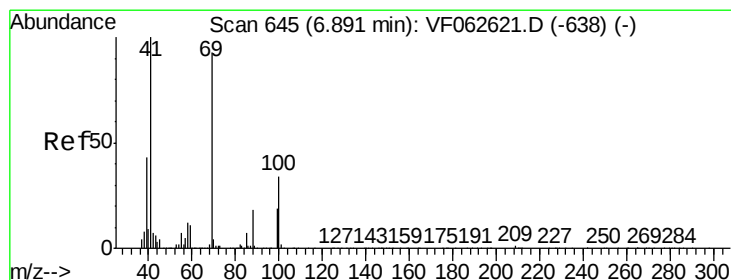
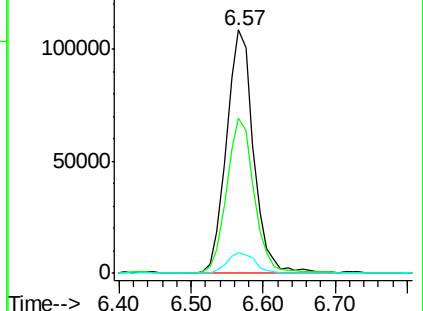
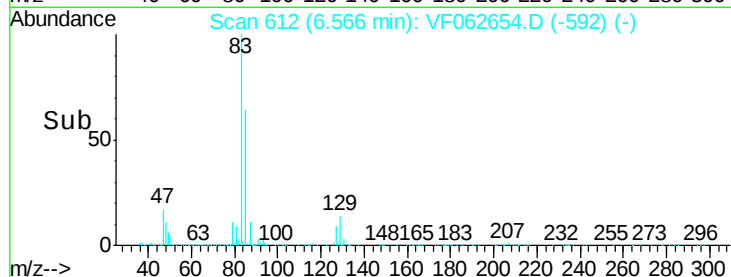
127 8.6 7.7 11.5



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



#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

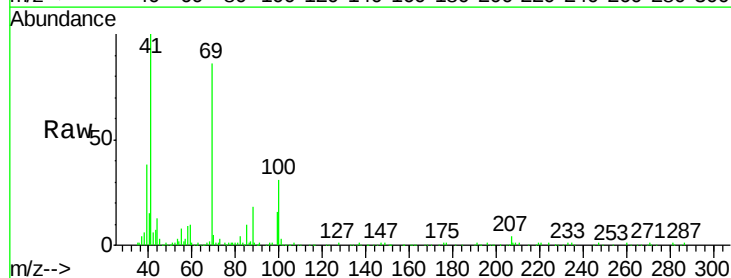
Tgt Ion: 41 Resp: 96655

Ion Ratio Lower Upper

41 100

69 86.2 74.2 111.2

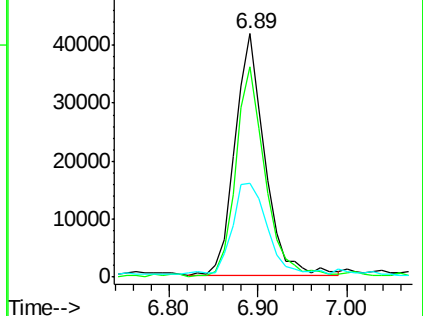
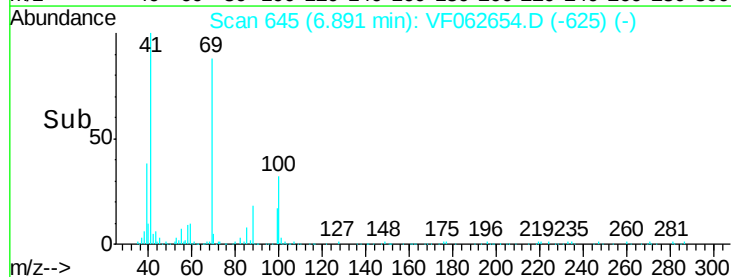
39 38.4 34.2 51.4

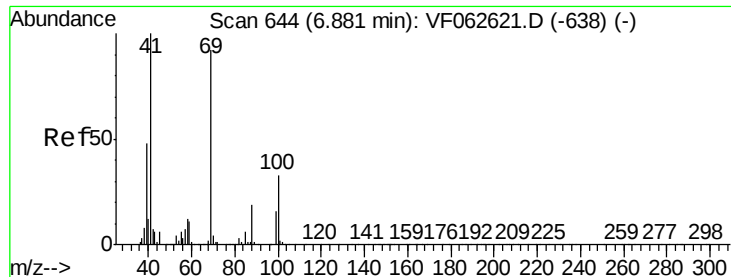


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#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

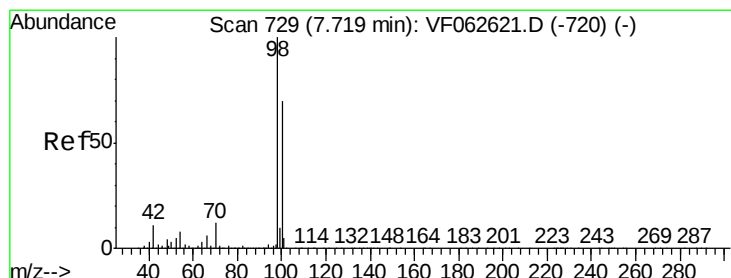
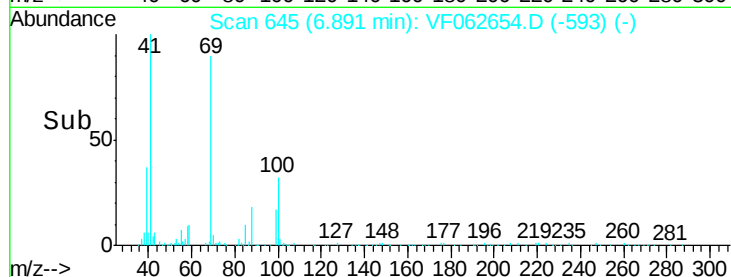
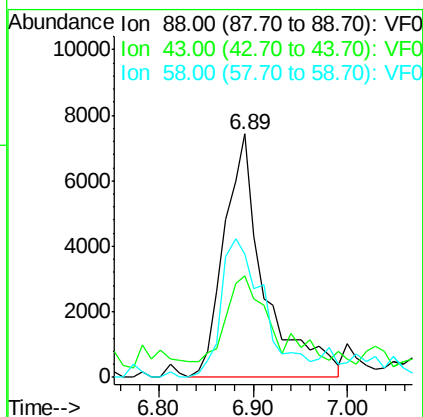
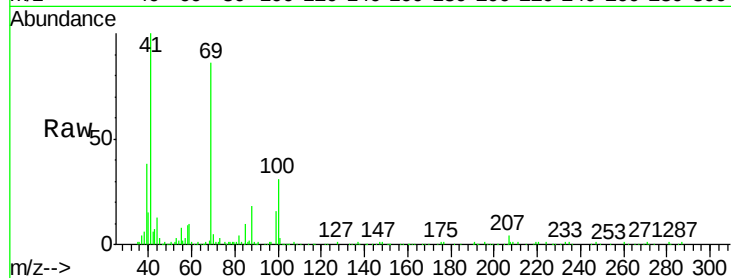
Tot Ion: 88 Resp: 21904

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

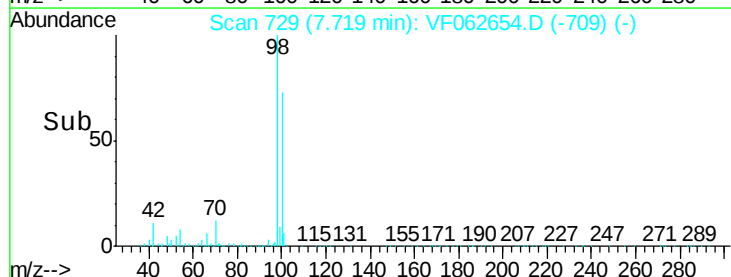
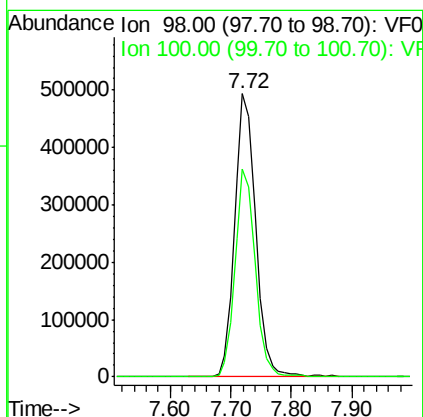
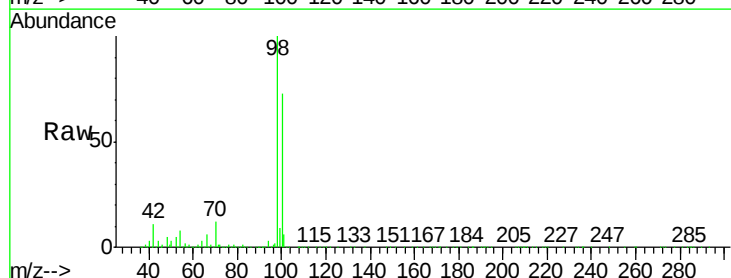
Acq: 20 May 2019 12:13

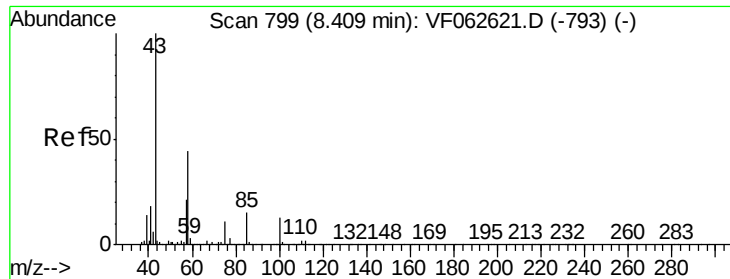
Tgt Ion: 98 Resp: 1191673

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 :

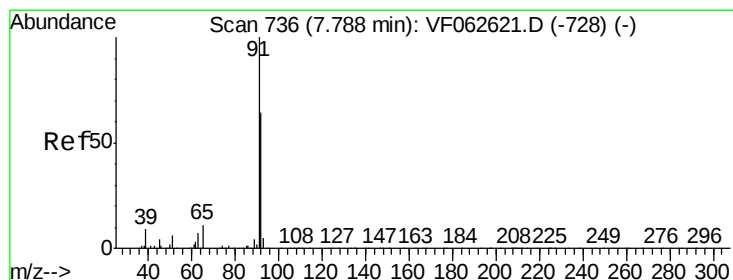
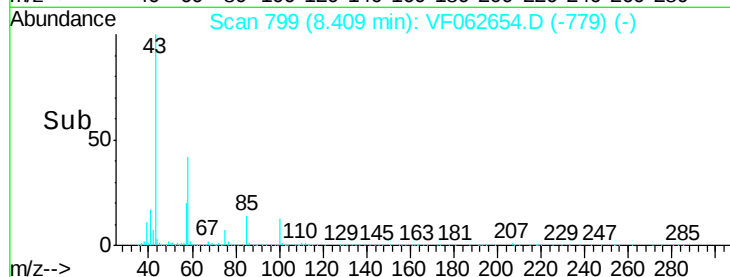
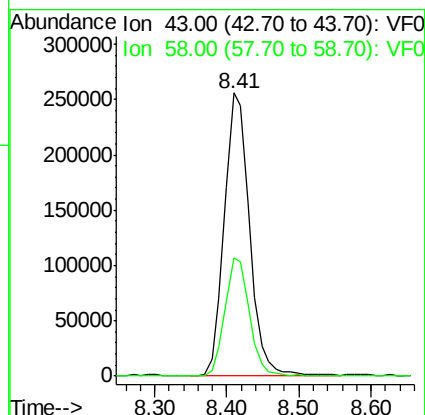
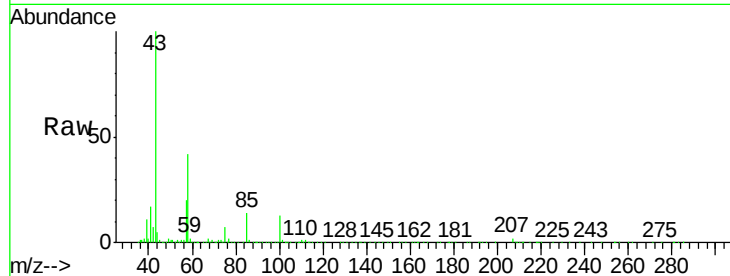
VF0520SBS01

Tot 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

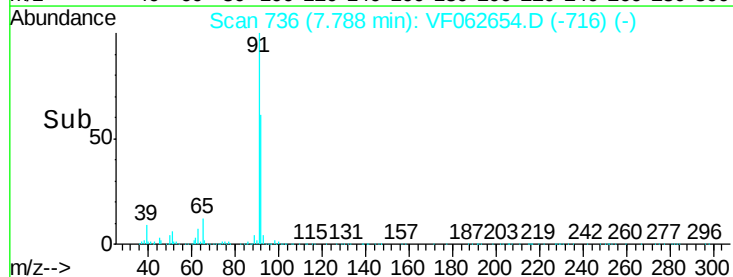
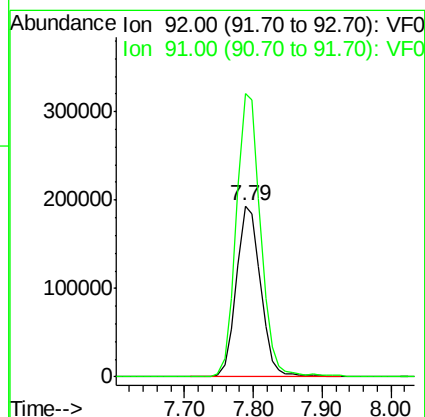
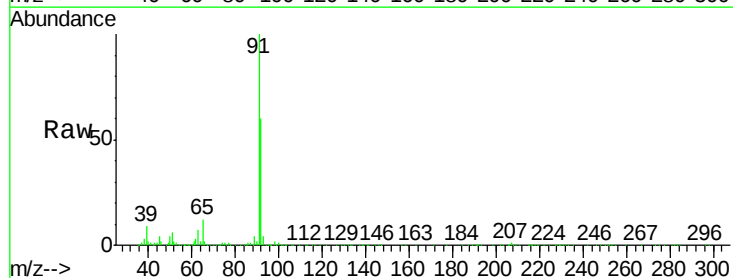
Acq: 20 May 2019 12:13

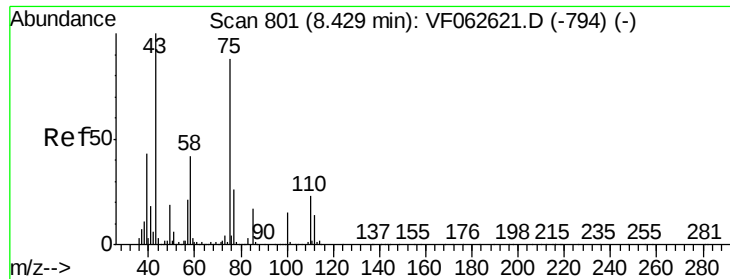
Tgt Ion: 92 Resp: 471916

Ion Ratio Lower Upper

92 100

91 165.4 125.4 188.0

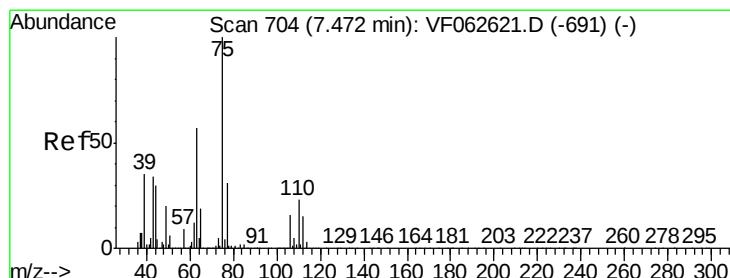
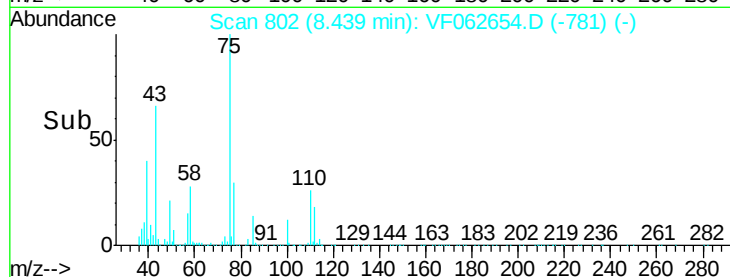
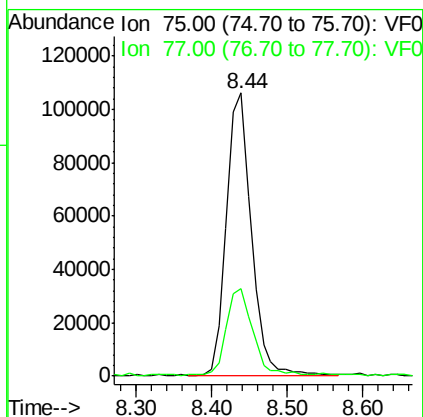
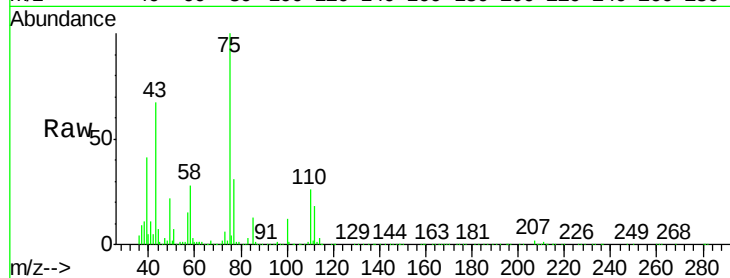




#53
t-1,3-Dichloropropene
Concen: 23.183 ug/l
RT: 8.44 min Scan# 802
Delta R.T. 0.01 min
Lab File: VF062654.D
Acq: 20 May 2019 12:13

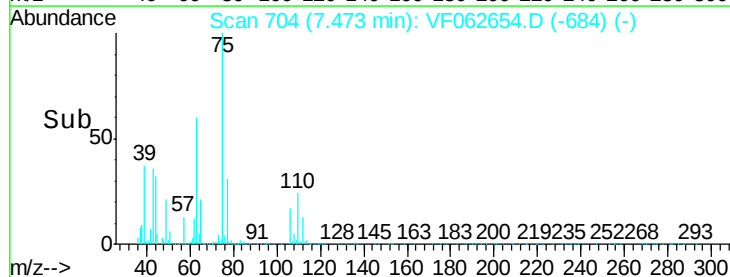
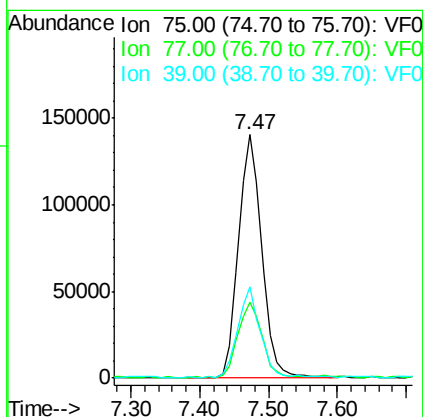
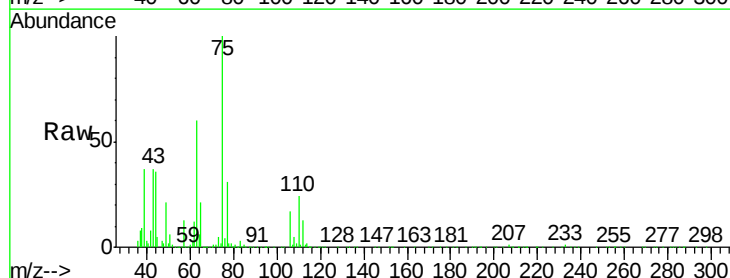
Instrument :
MSVOA_F
ClientSampleId :
VF0520SBS01

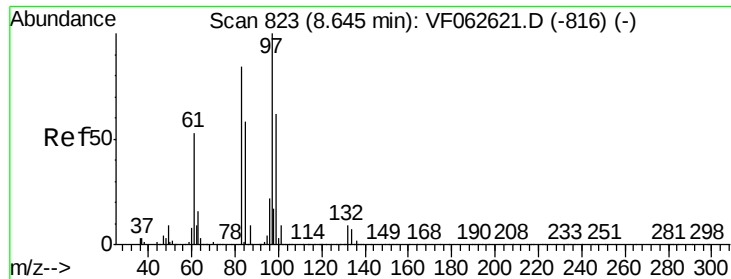
Tot Ion: 75 Resp: 239978
Ion Ratio Lower Upper
75 100
77 30.9 24.2 36.4



#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





#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

Tot Ion: 97 Resp: 147328

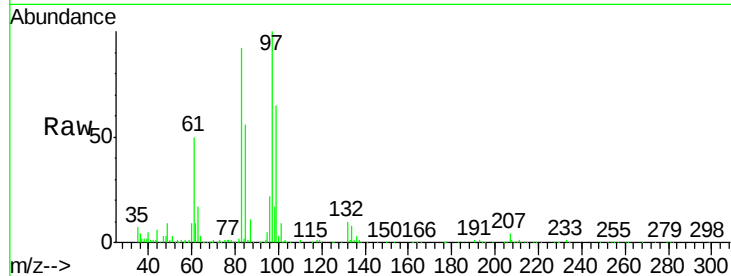
Ion Ratio Lower Upper

97 100

83 92.0 67.3 100.9

85 56.3 46.6 69.8

99 64.9 49.7 74.5

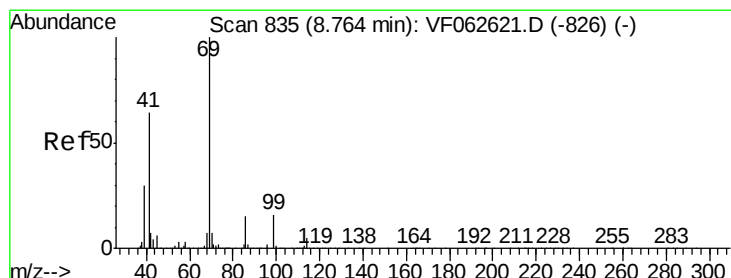
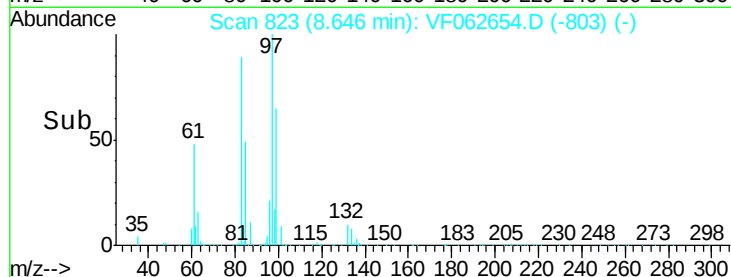
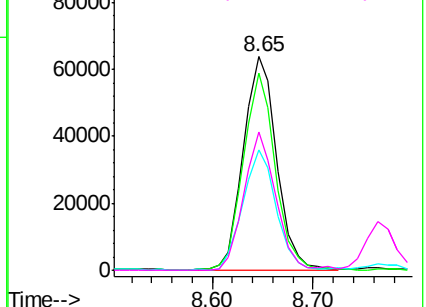


Abundance Ion 97.00 (96.70 to 97.70): VF0

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

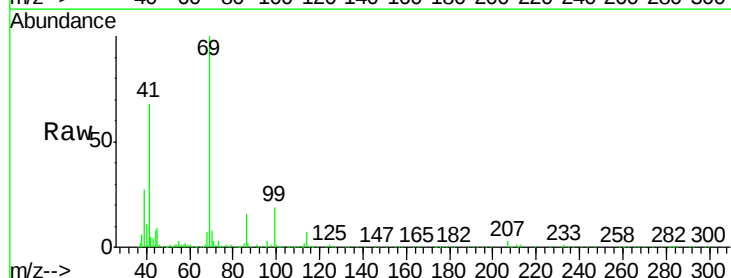
Tgt Ion: 69 Resp: 170199

Ion Ratio Lower Upper

69 100

41 68.5 51.4 77.2

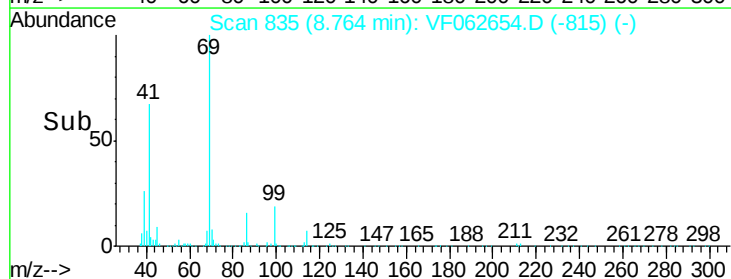
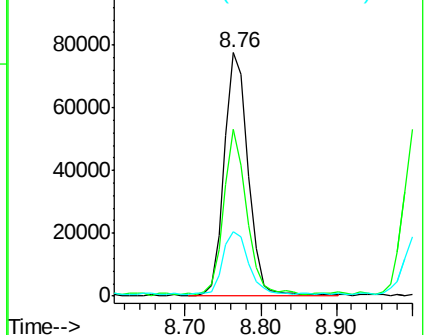
39 26.7 23.6 35.4

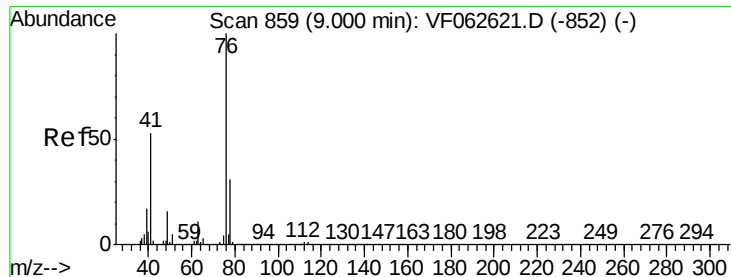


Abundance Ion 69.00 (68.70 to 69.70): VF0

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 :

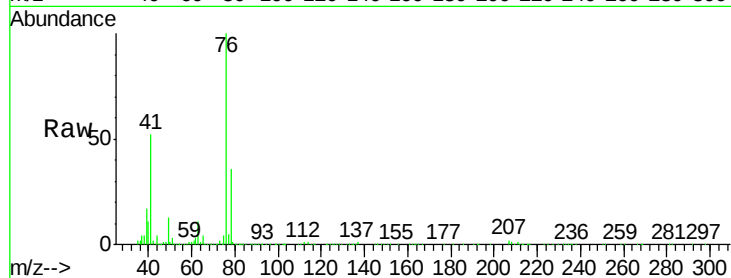
VF0520SBS01

Tot Ion: 76 Resp: 245458

Ion Ratio Lower Upper

76 100

78 35.8 25.4 38.0



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

9.01

120000

100000

80000

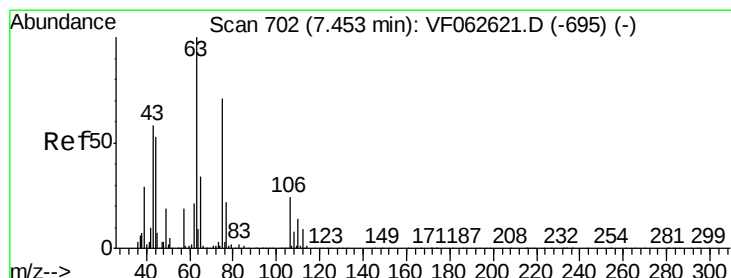
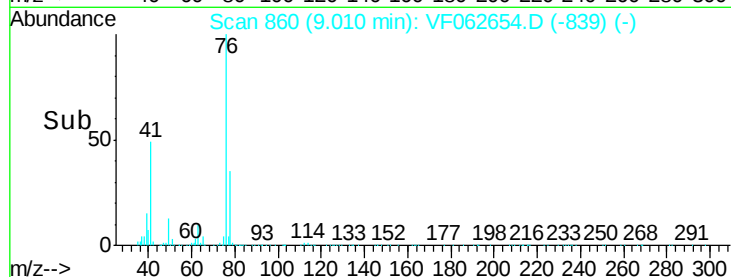
60000

40000

20000

0

Time-->



#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

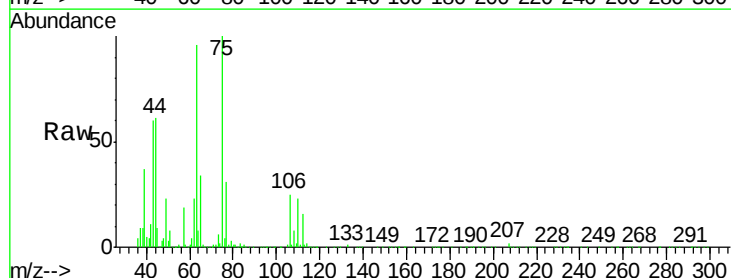
Acq: 20 May 2019 12:13

Tgt Ion: 63 Resp: 255590

Ion Ratio Lower Upper

63 100

106 26.1 19.1 28.7



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

7.46

120000

100000

80000

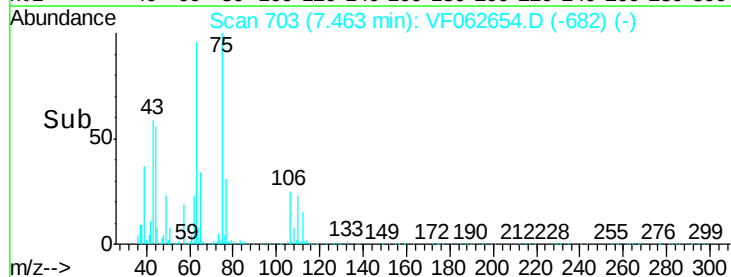
60000

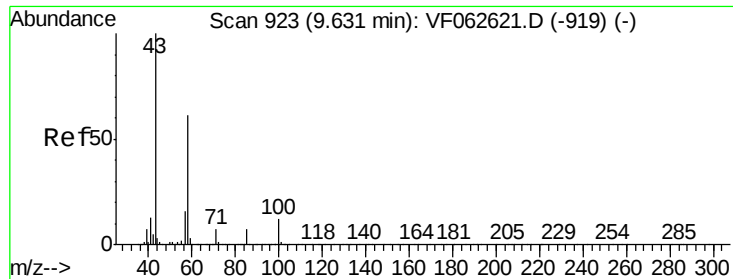
40000

20000

0

Time-->

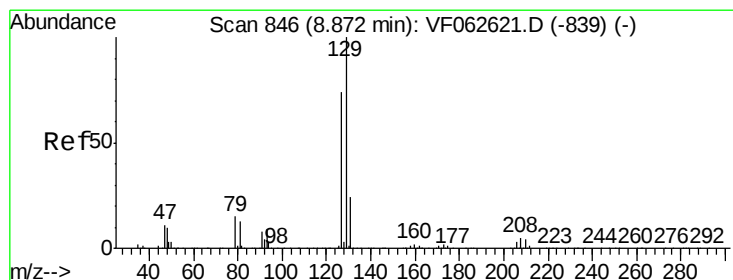
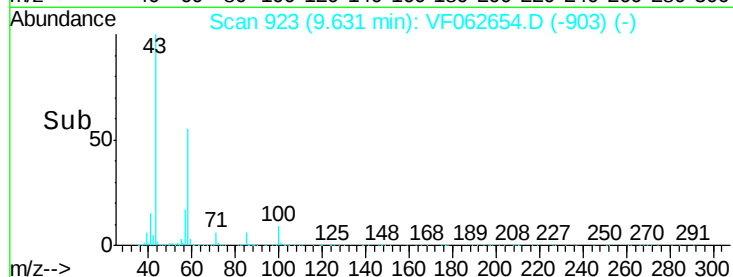
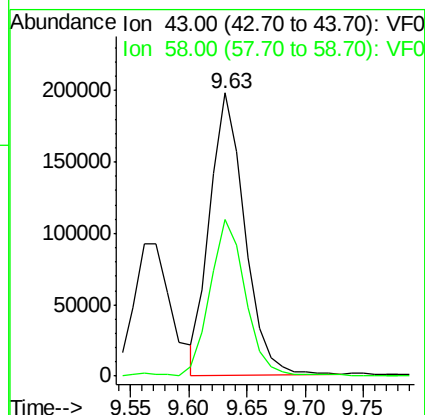
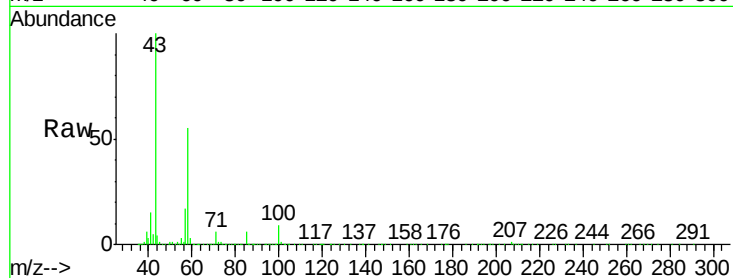




#59
2-Hexanone
Concen: 102.858 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF062654.D
Acq: 20 May 2019 12:13

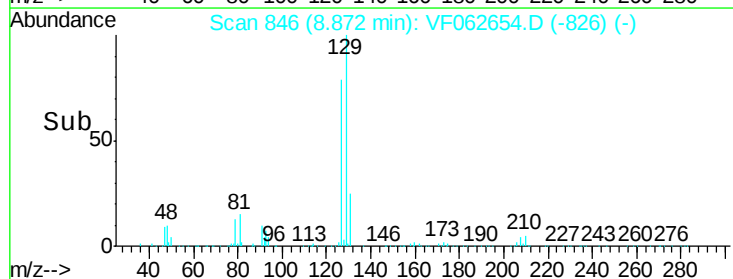
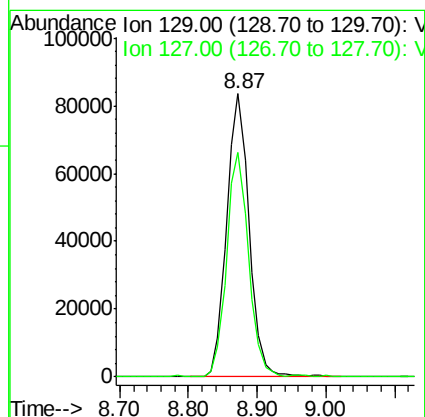
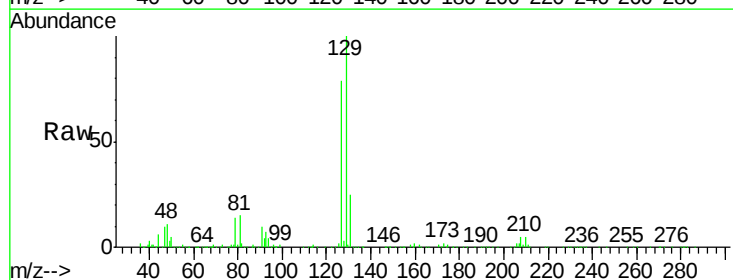
Instrument :
MSVOA_F
ClientSampleId :
VF0520SBS01

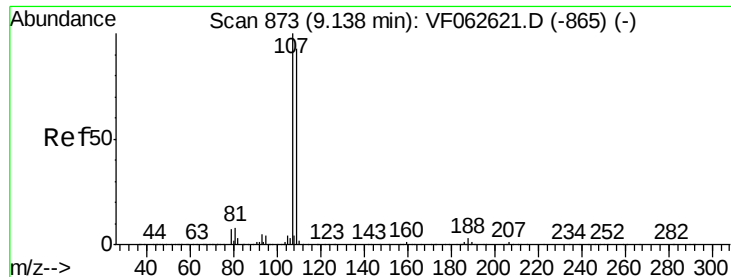
Tot Ion: 43 Resp: 408896
Ion Ratio Lower Upper
43 100
58 55.1 28.1 84.4



#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 :

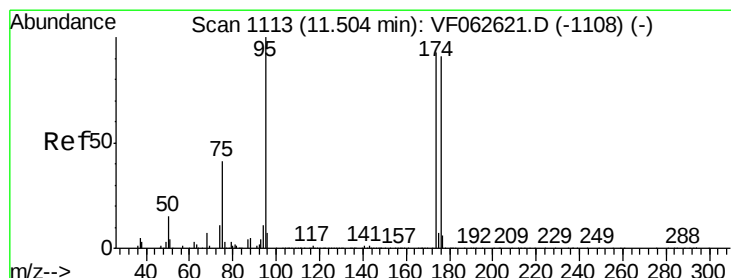
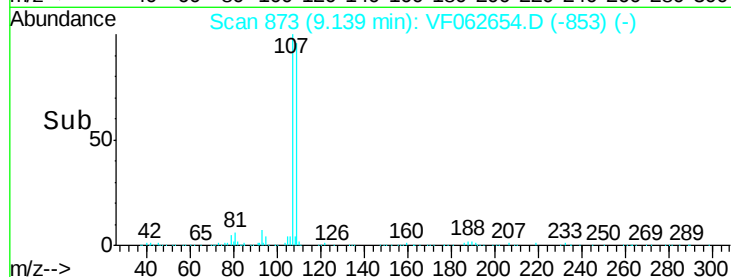
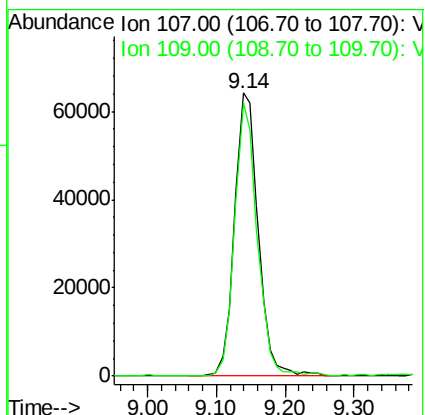
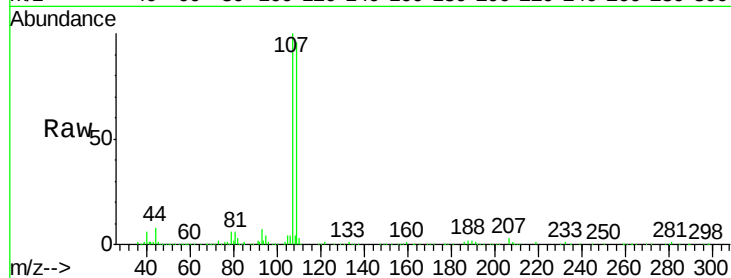
VF0520SBS01

Tot 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

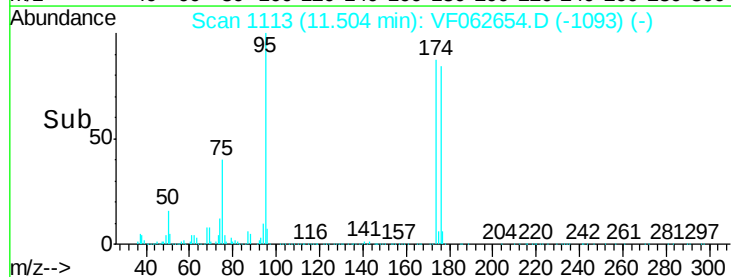
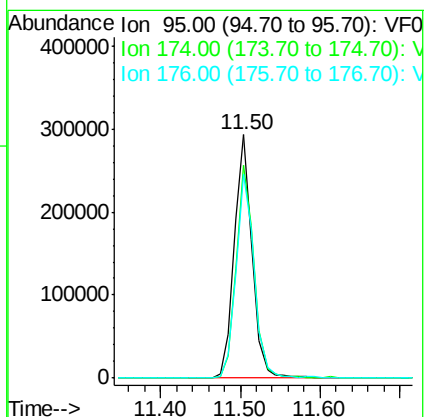
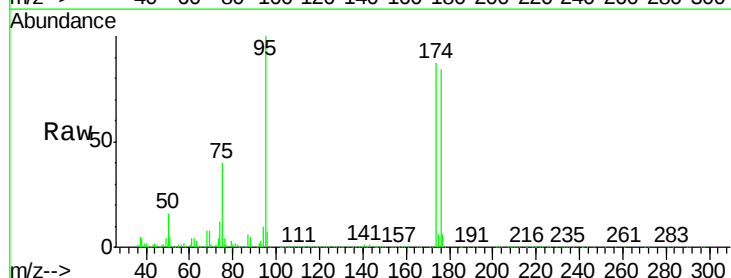
Tgt Ion: 95 Resp: 462429

Ion Ratio Lower Upper

95 100

174 87.3 0.0 185.6

176 83.7 0.0 182.4

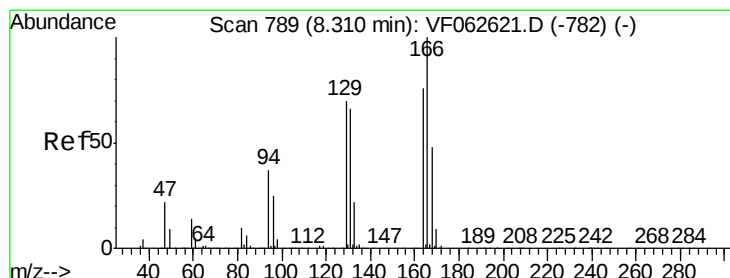
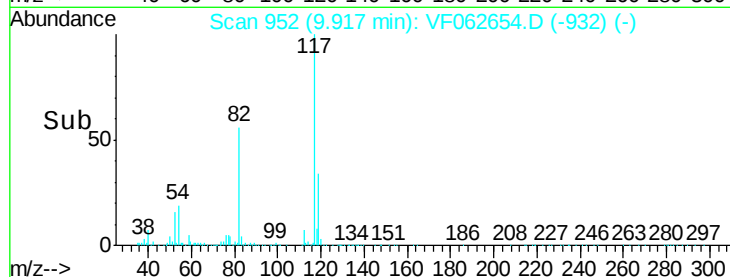
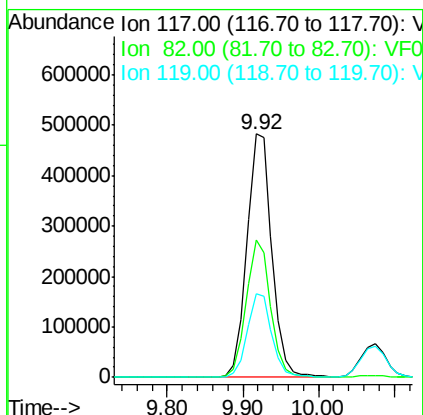
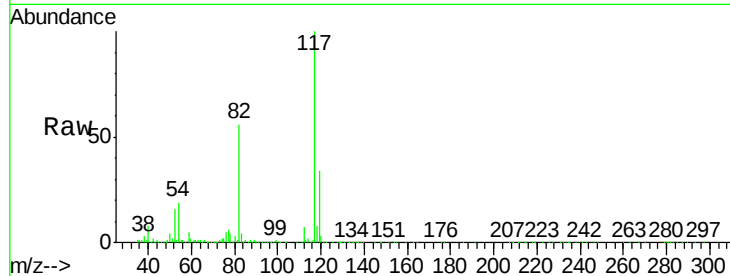




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF062654.D
Acq: 20 May 2019 12:13

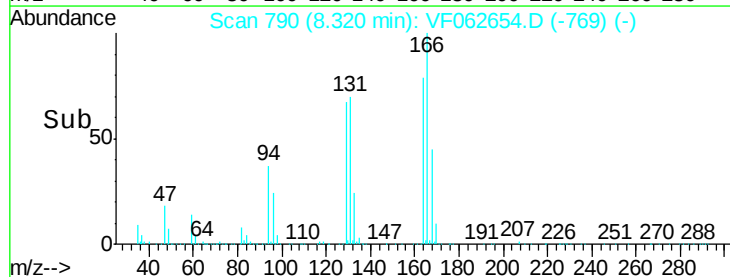
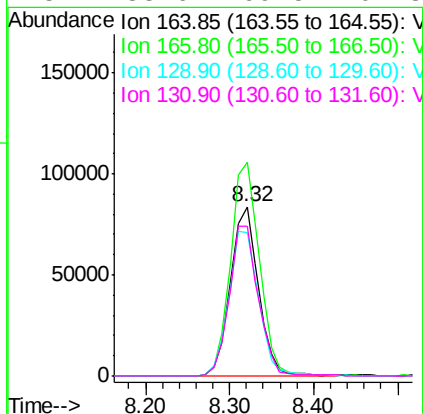
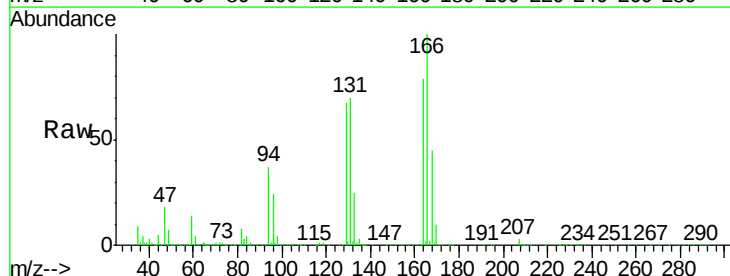
Instrument :
MSVOA_F
ClientSampleId :
VF0520SBS01

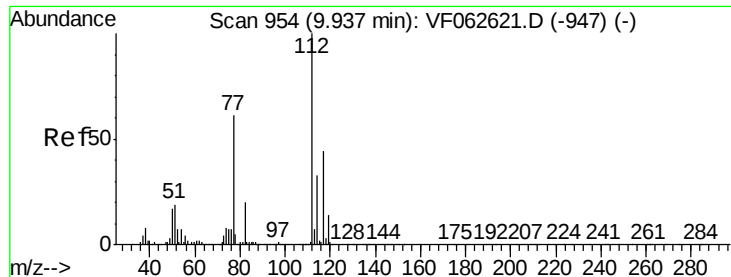
Tot Ion:117 Resp: 1112522
Ion Ratio Lower Upper
117 100
82 56.4 43.3 64.9
119 34.5 27.4 41.0



#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

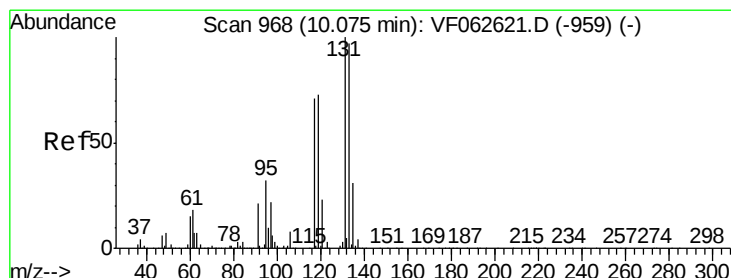
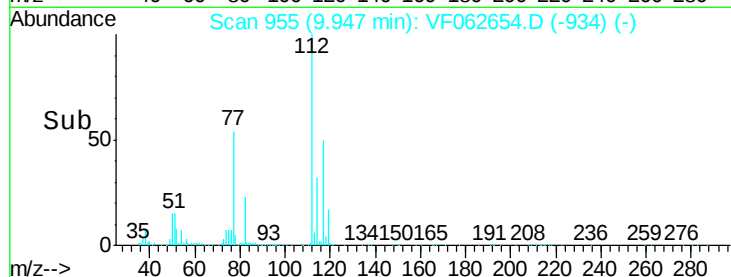
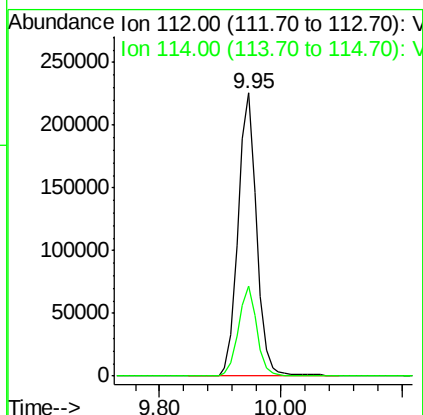
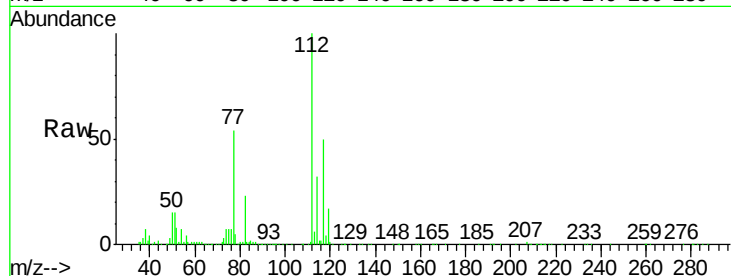




#65
Chlorobenzene
Concen: 21.976 ug/l
RT: 9.95 min Scan# 955
Delta R.T. 0.01 min
Lab File: VF062654.D
Acq: 20 May 2019 12:13

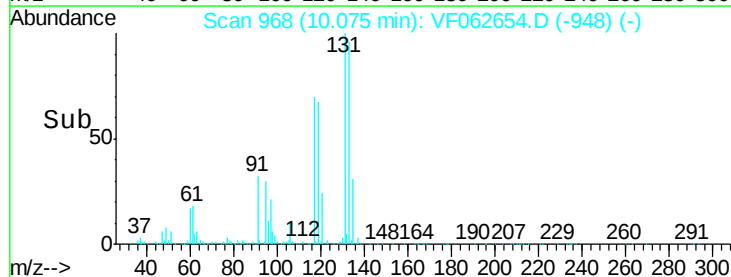
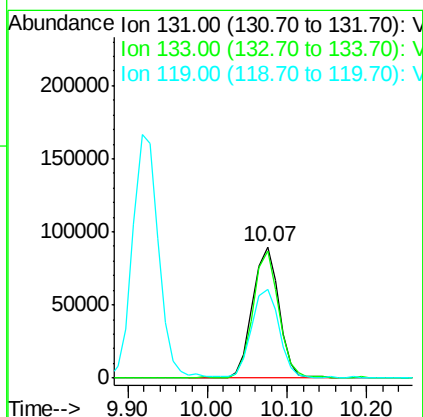
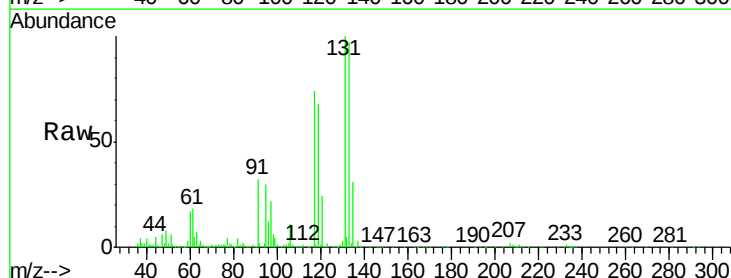
Instrument :
MSVOA_F
ClientSampleId :
VF0520SBS01

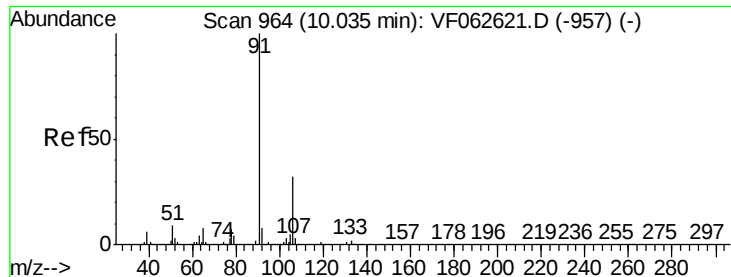
Tot Ion:112 Resp: 480195
Ion Ratio Lower Upper
112 100
114 32.0 26.8 40.2



#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

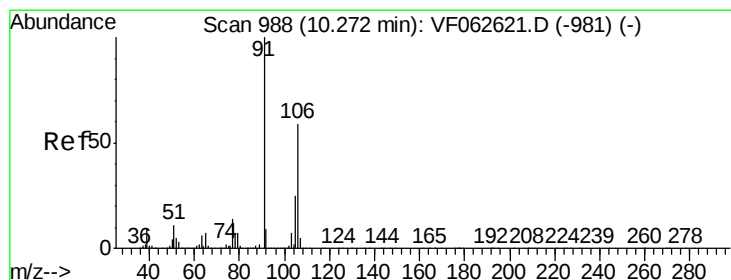
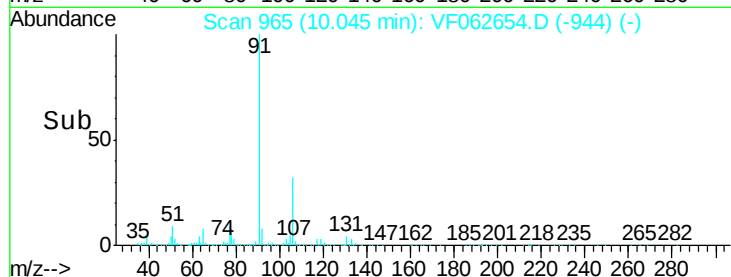
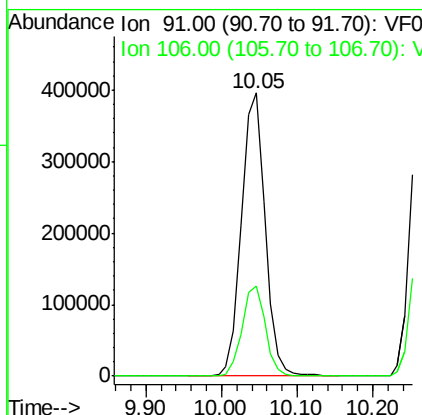
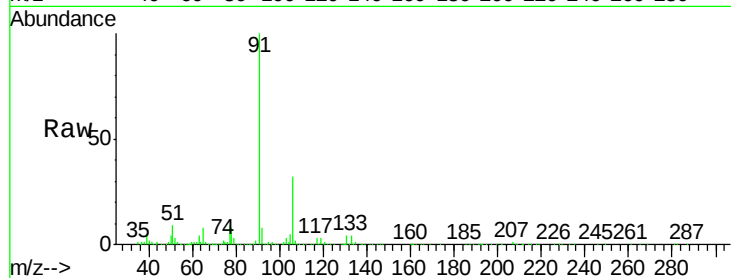




#67
Ethyl Benzene
Concen: 22.562 ug/l
RT: 10.05 min Scan# 965
Delta R.T. 0.01 min
Lab File: VF062654.D
Acq: 20 May 2019 12:13

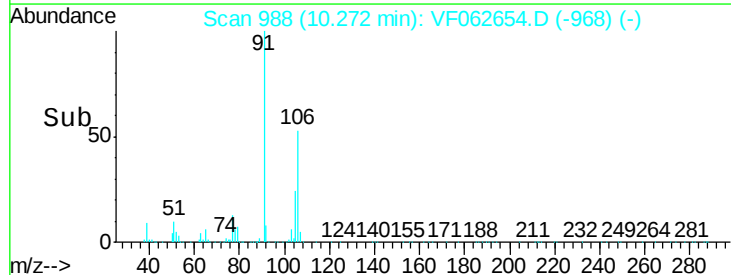
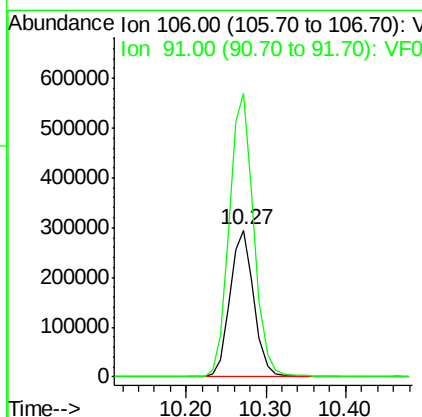
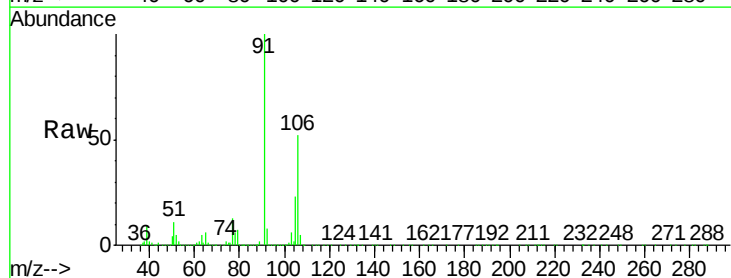
Instrument :
MSVOA_F
ClientSampleId :
VF0520SBS01

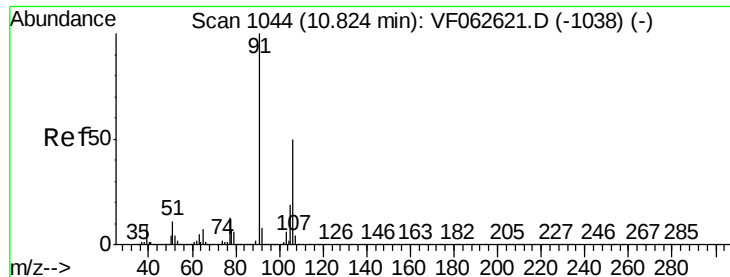
Tot Ion: 91 Resp: 856436
Ion Ratio Lower Upper
91 100
106 31.7 25.8 38.8



#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

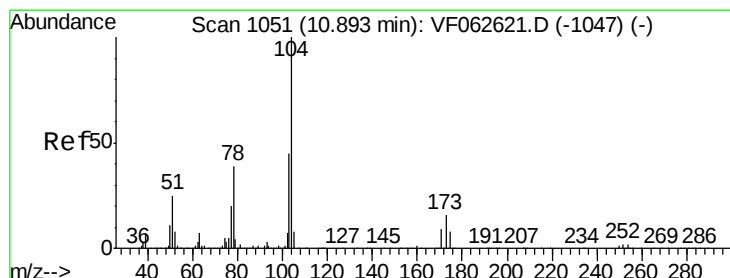
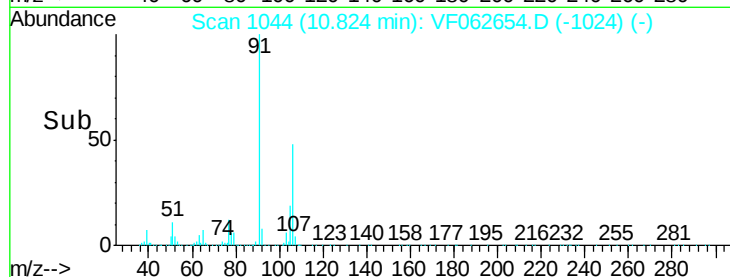
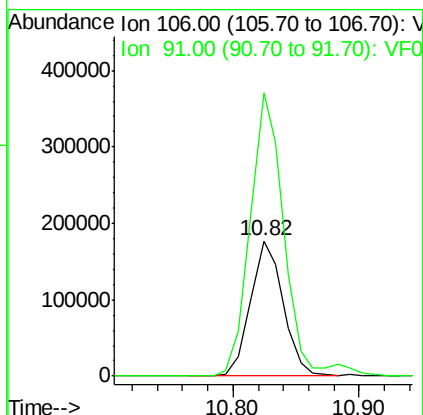
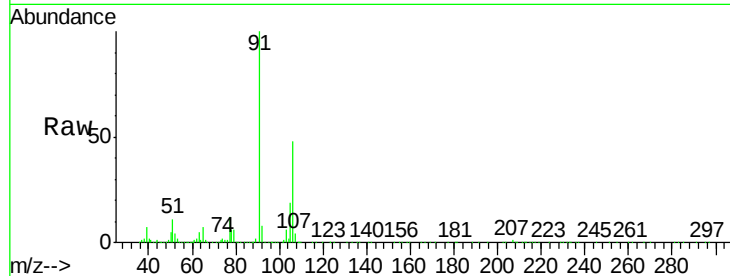




#69
o-Xylene
Concen: 21.789 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF062654.D
Acq: 20 May 2019 12:13

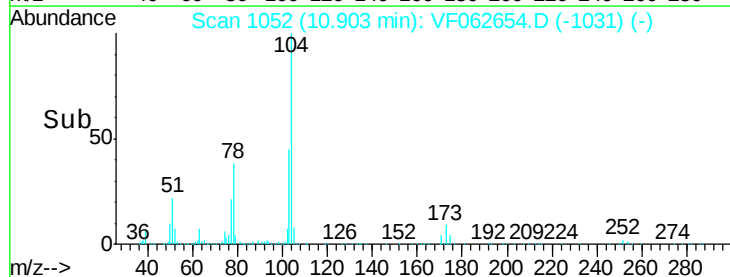
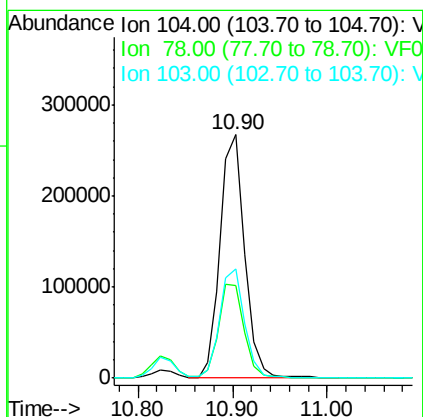
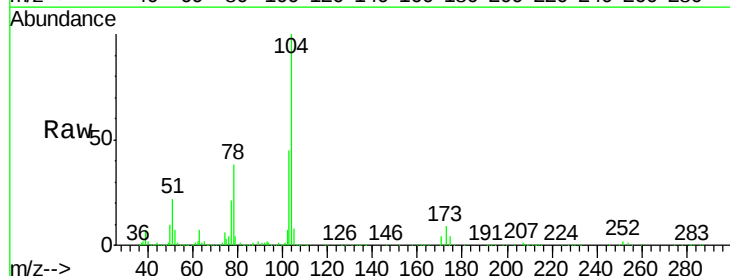
Instrument :
MSVOA_F
ClientSampleId :
VF0520SBS01

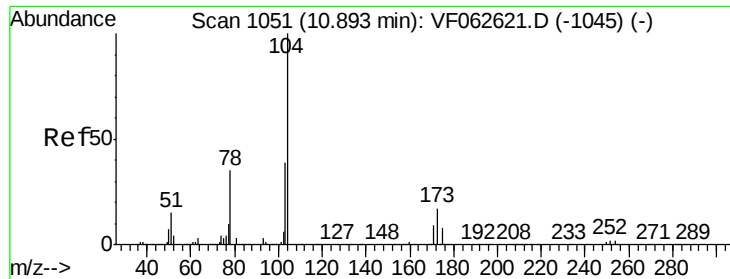
Tot Ion:106 Resp: 320189
Ion Ratio Lower Upper
106 100
91 209.9 100.2 300.5



#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

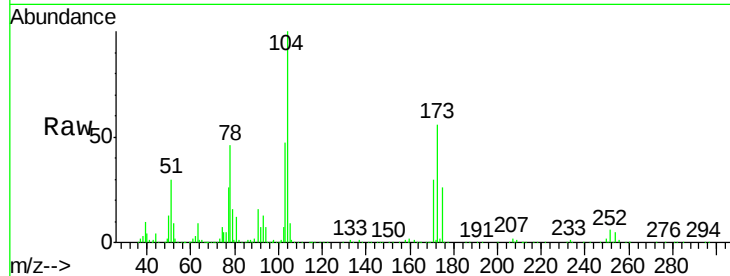
Tot Ion:173 Resp: 101318

Ion Ratio Lower Upper

173 100

175 47.9 25.3 75.9

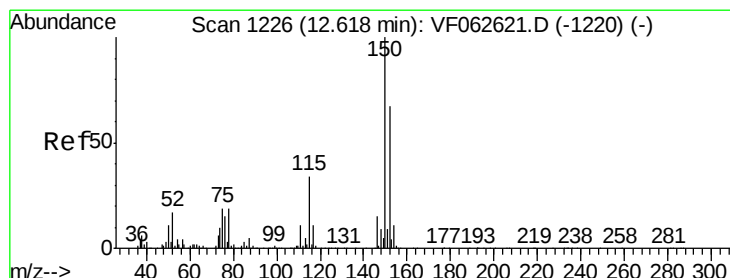
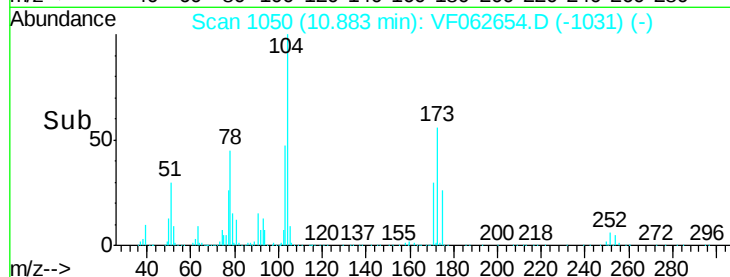
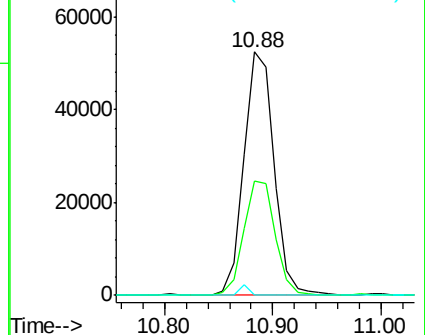
254 0.0 0.2 0.2#



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

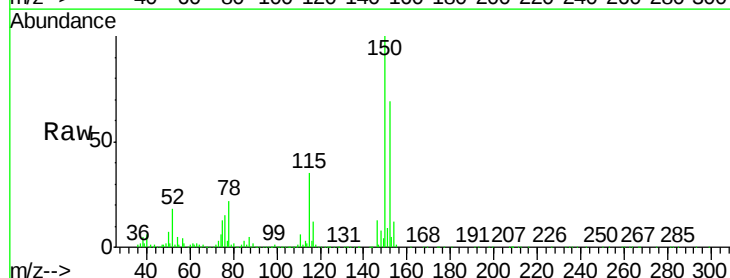
Tgt Ion:152 Resp: 555683

Ion Ratio Lower Upper

152 100

115 50.8 25.2 75.6

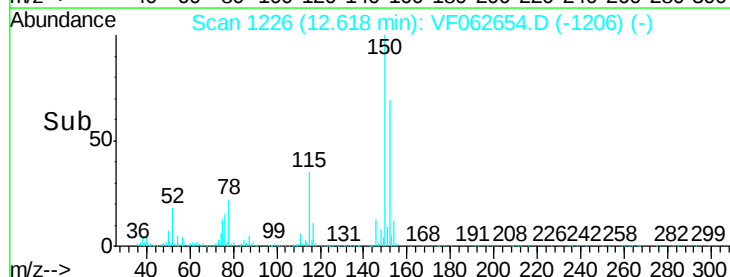
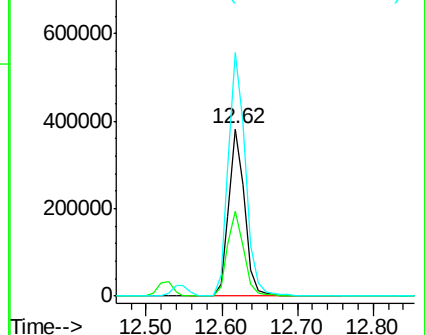
150 145.6 0.0 306.2

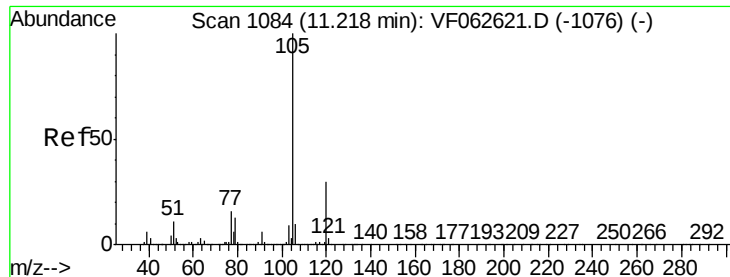


Abundance Ion 152.00 (151.70 to 152.70): V

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 :

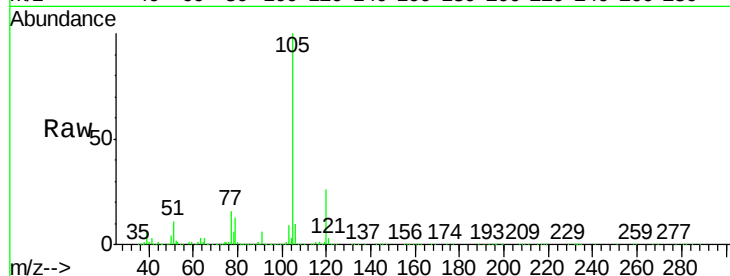
VF0520SBS01

Tot Ion:105 Resp: 893806

Ion Ratio Lower Upper

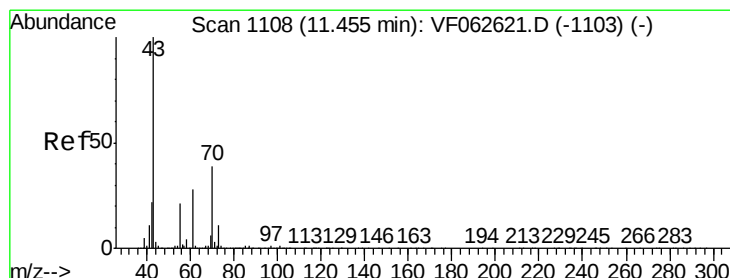
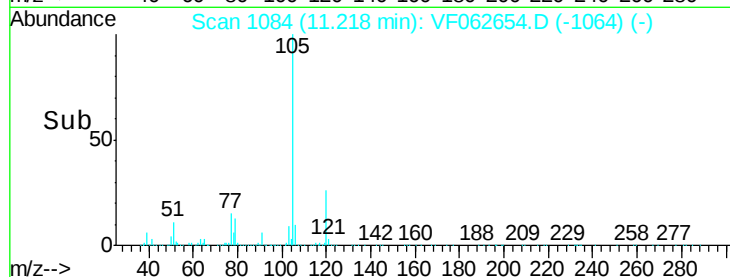
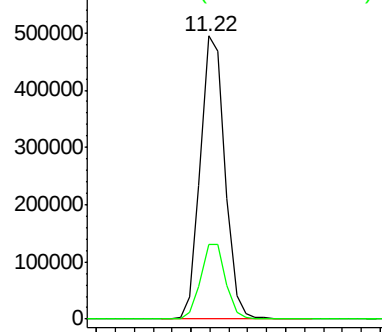
105 100

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

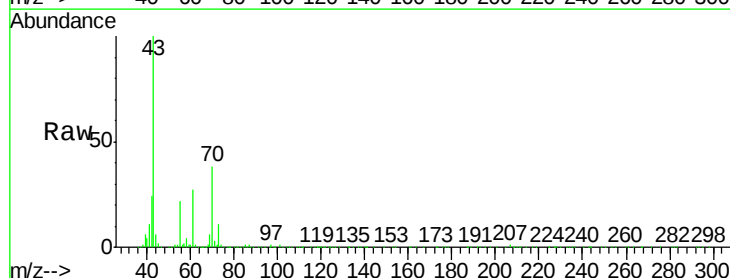
Ion Ratio Lower Upper

43 100

70 38.5 30.9 46.3

55 22.0 17.0 25.4

61 26.7 22.6 34.0

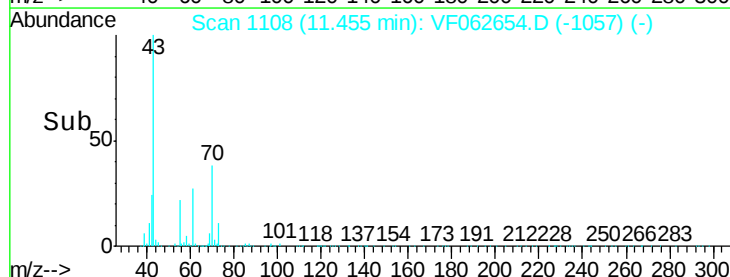
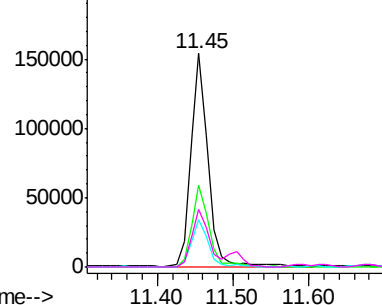


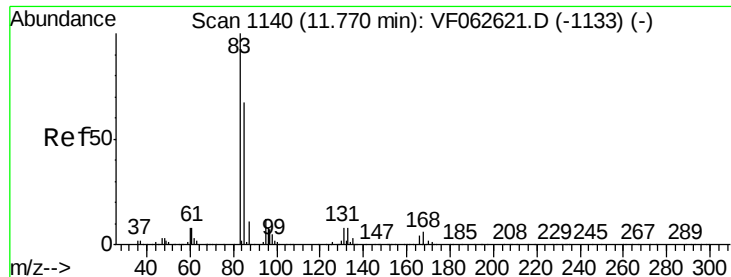
Abundance Ion 43.00 (42.70 to 43.70): VF0

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

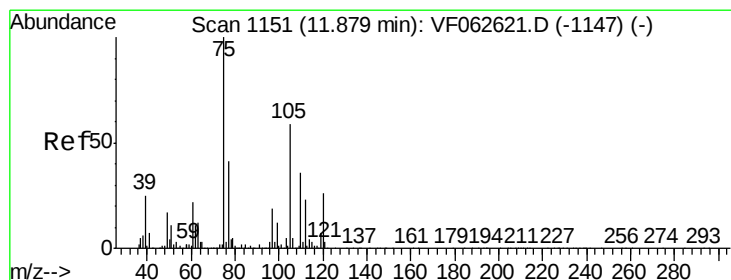
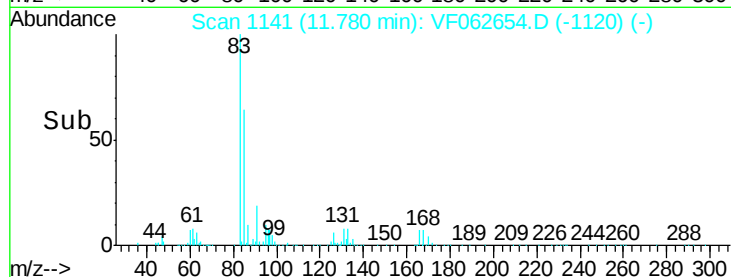
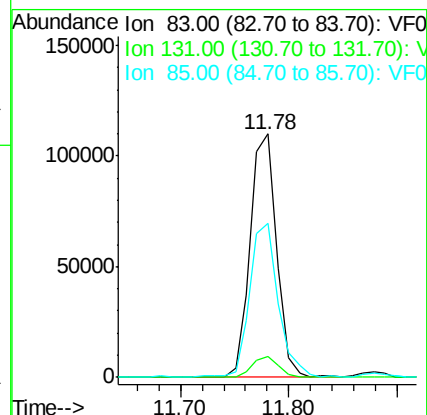
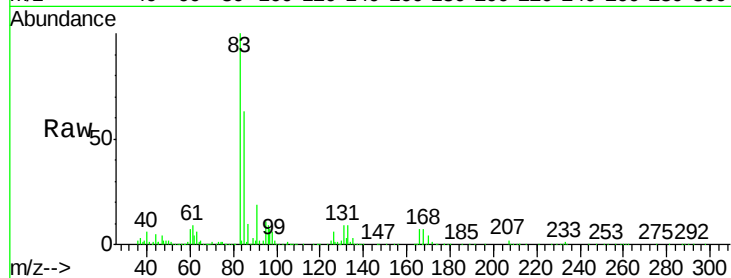
Tot Ion: 83 Resp: 187150

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

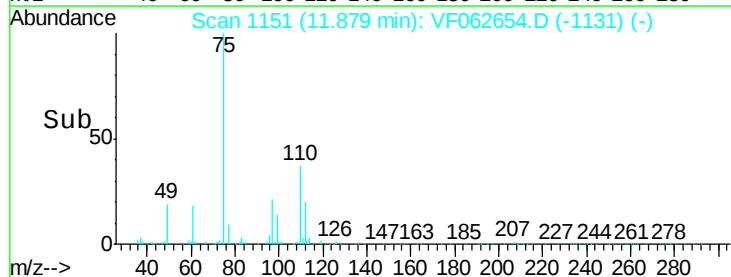
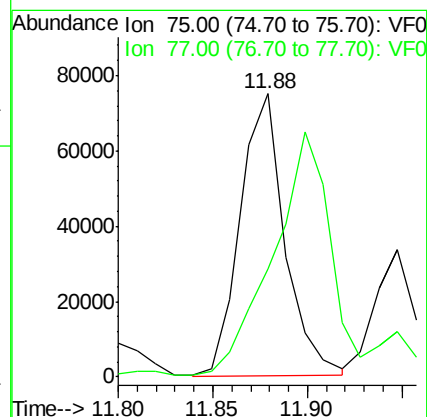
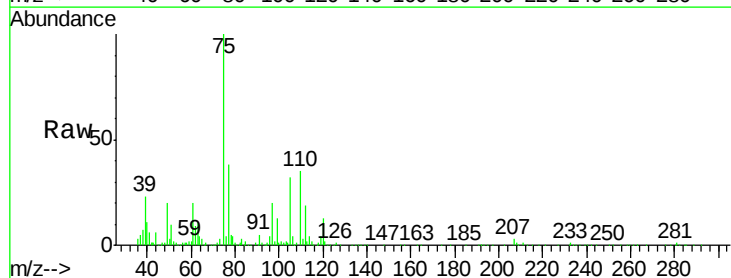
Acq: 20 May 2019 12:13

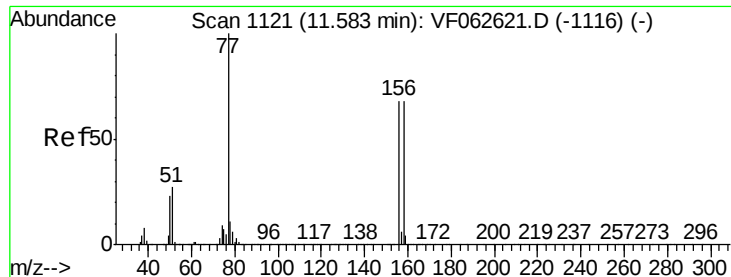
Tgt Ion: 75 Resp: 122347

Ion Ratio Lower Upper

75 100

77 38.4 20.6 61.8

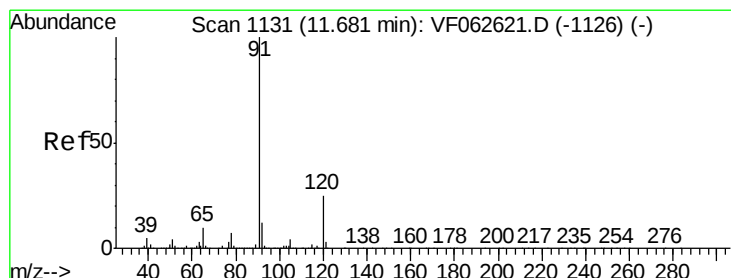
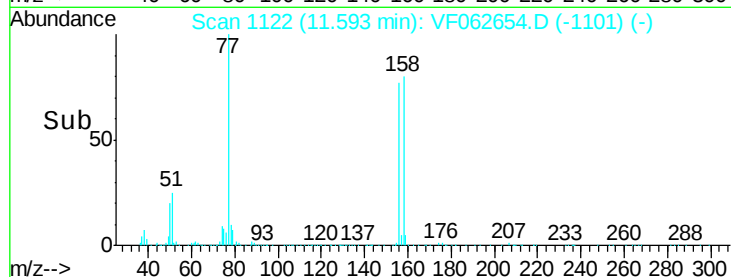
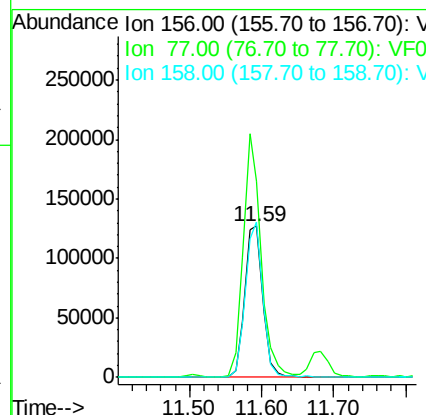
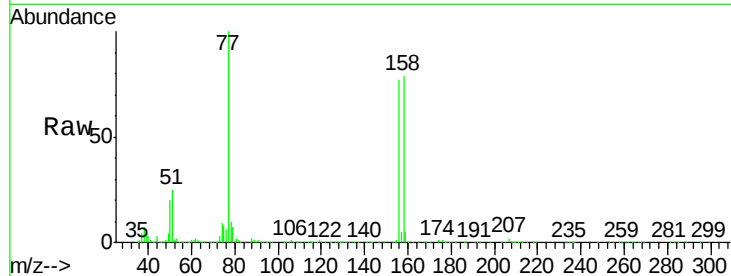




#77
Bromobenzene
Concen: 22.710 ug/l
RT: 11.59 min Scan# 1122
Delta R.T. 0.01 min
Lab File: VF062654.D
Acq: 20 May 2019 12:13

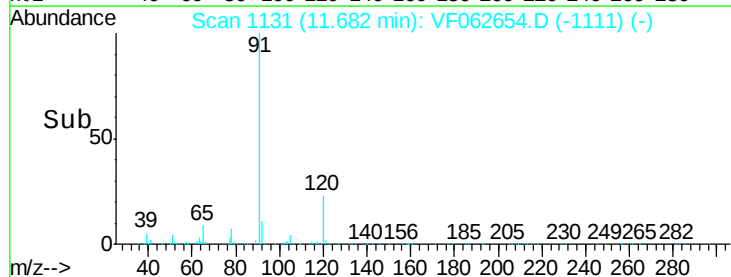
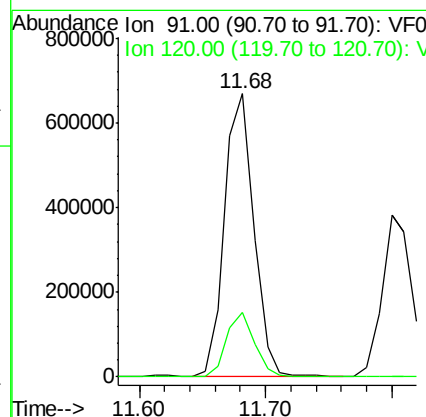
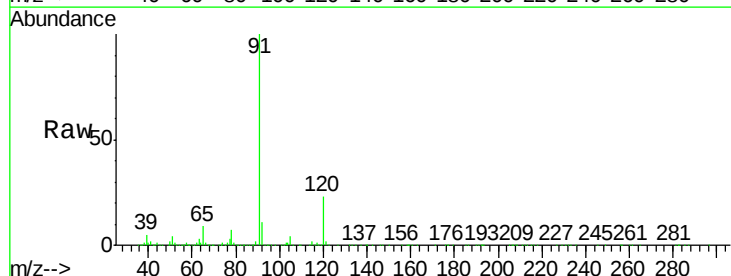
Instrument :
MSVOA_F
ClientSampleId :
VF0520SBS01

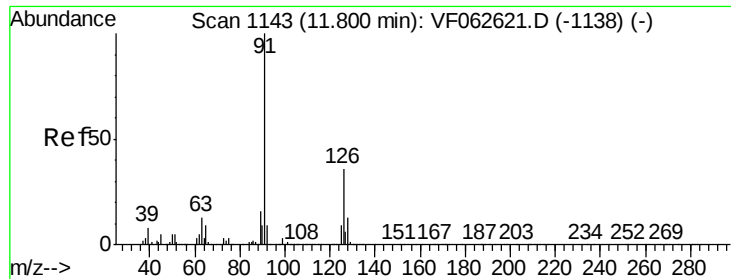
Tot Ion:156 Resp: 224824
Ion Ratio Lower Upper
156 100
77 129.7 73.6 220.8
158 103.1 49.6 148.8



#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 :

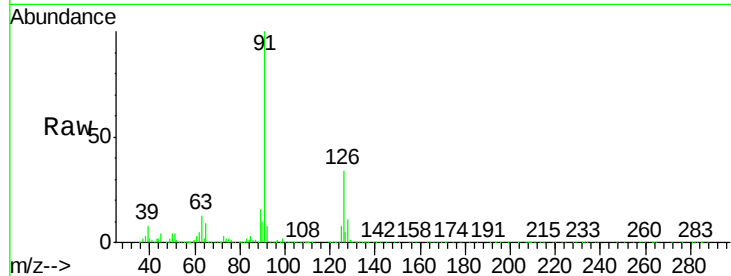
VF0520SBS01

Tot Ion: 91 Resp: 620097

Ion Ratio Lower Upper

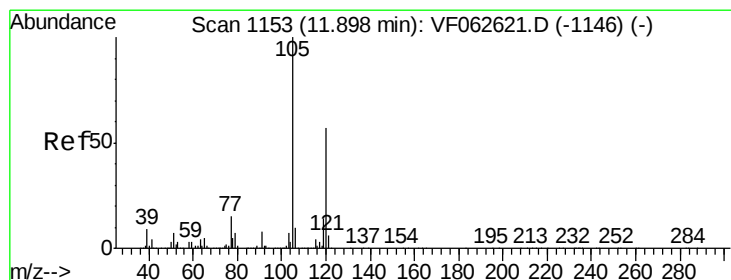
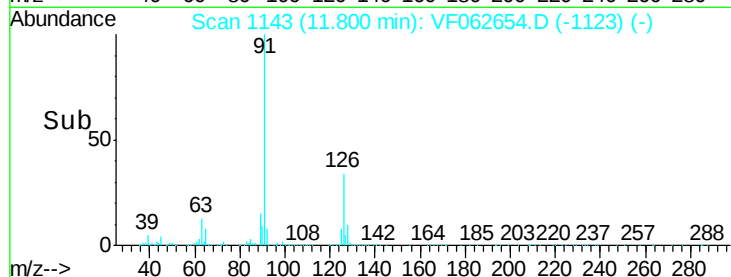
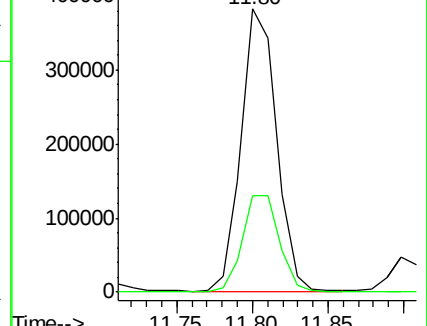
91 100

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

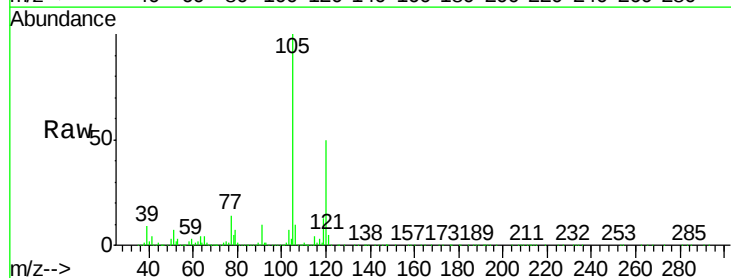
Acq: 20 May 2019 12:13

Tgt Ion:105 Resp: 722331

Ion Ratio Lower Upper

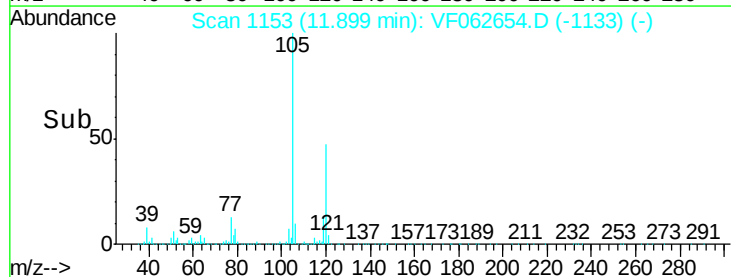
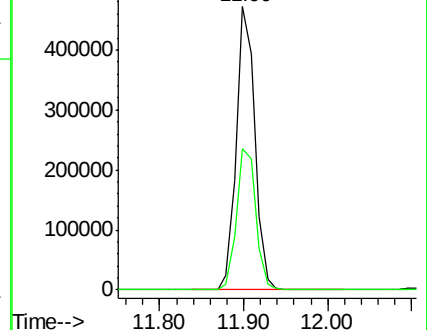
105 100

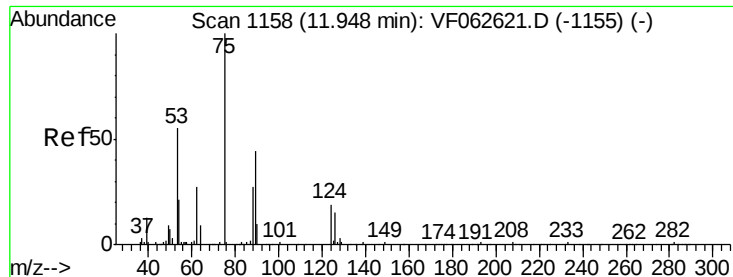
120 50.1 28.7 86.3



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: 22.111 ug/l m

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

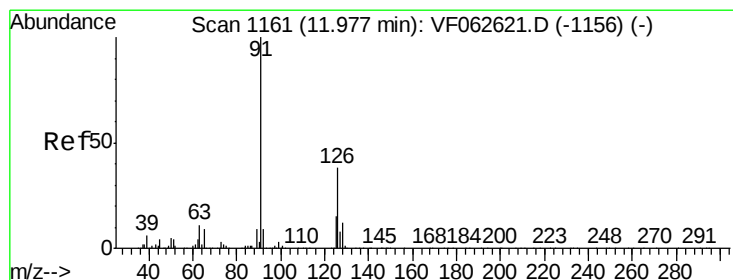
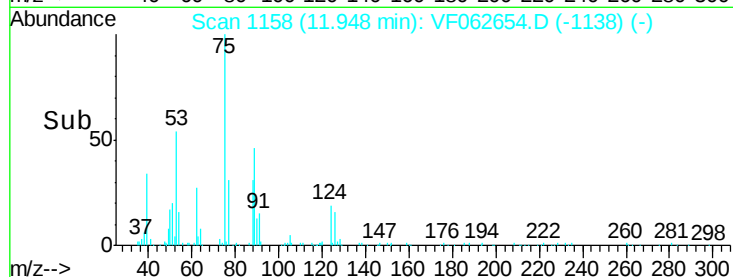
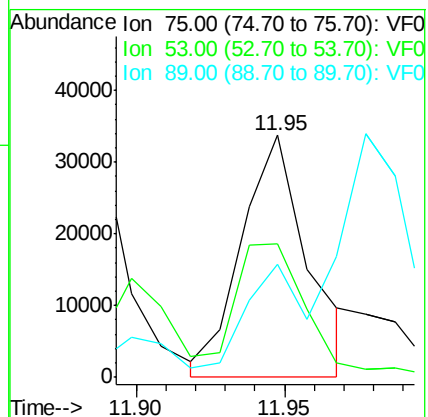
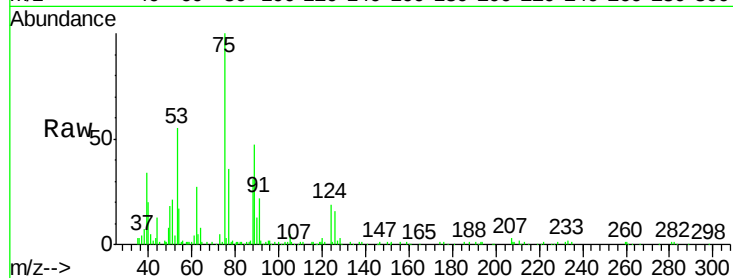
Tot Ion: 75 Resp: 52561

Ion Ratio Lower Upper

75 100

53 55.0 46.9 70.3

89 46.8 36.4 54.6



#82

4-Chlorotoluene

Concen: 20.845 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VF062654.D

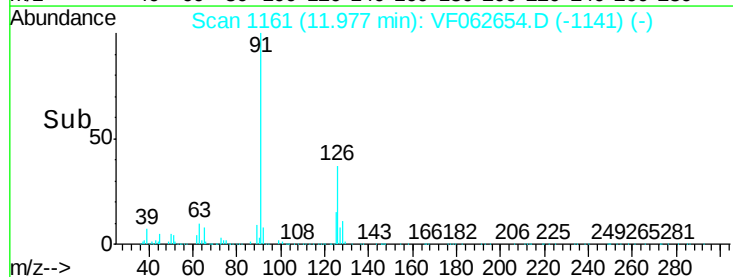
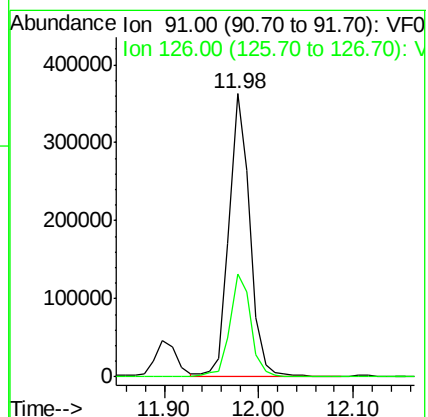
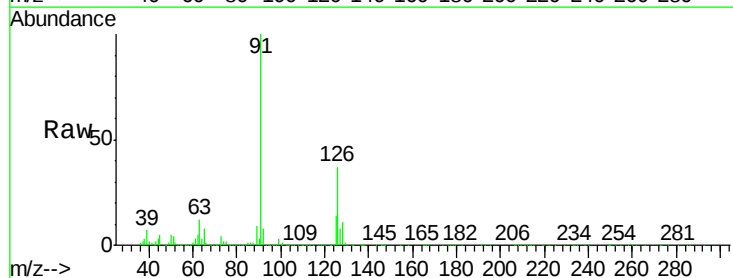
Acq: 20 May 2019 12:13

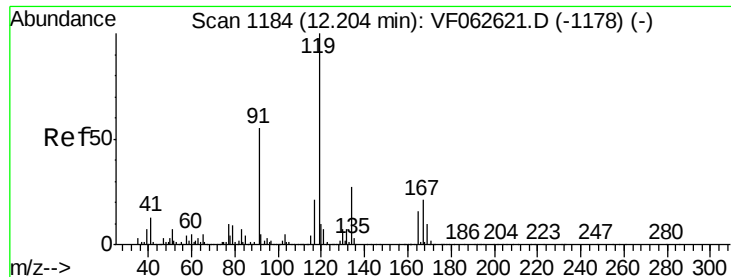
Tgt Ion: 91 Resp: 546016

Ion Ratio Lower Upper

91 100

126 36.6 19.1 57.1

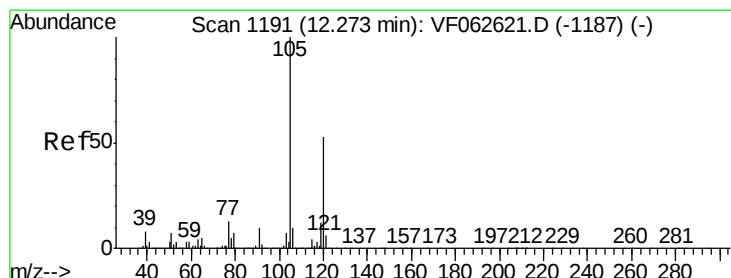
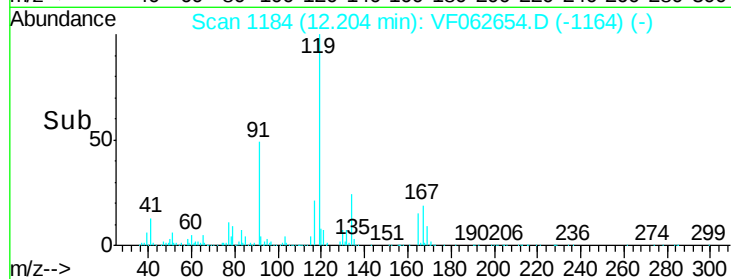
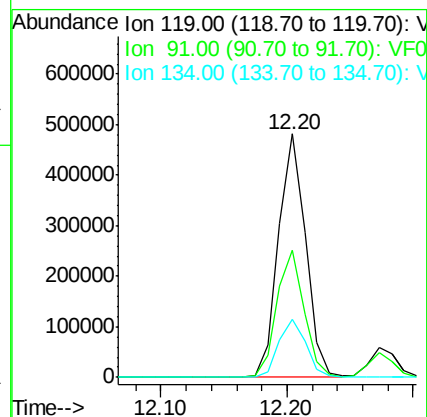
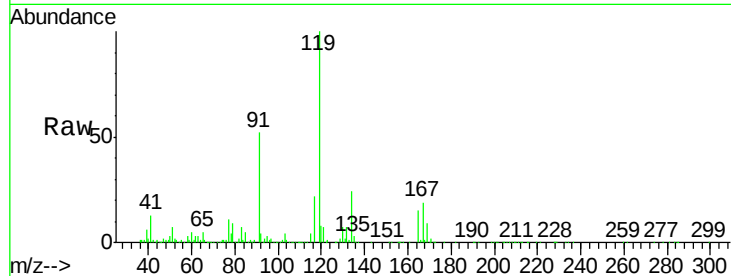




#83
 tert-Butylbenzene
 Concen: 22.366 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: VF062654.D
 Acq: 20 May 2019 12:13

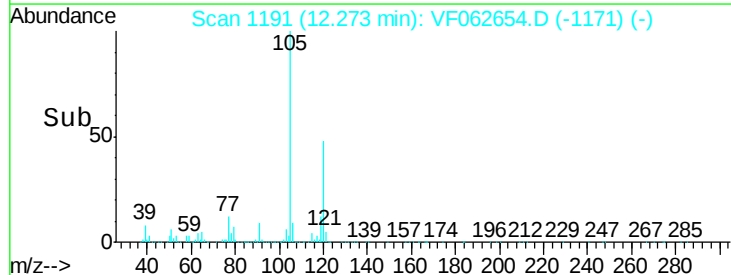
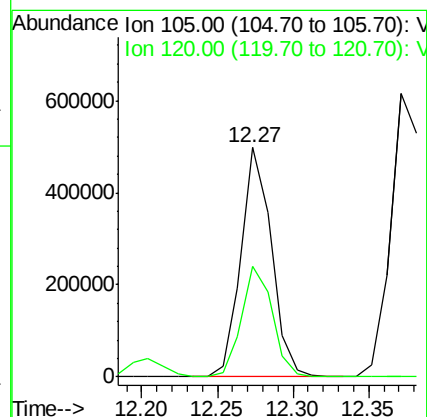
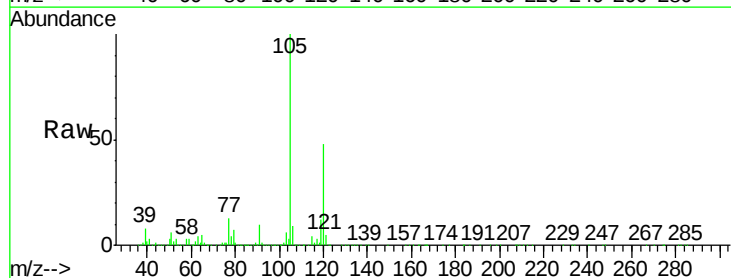
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0520SBS01

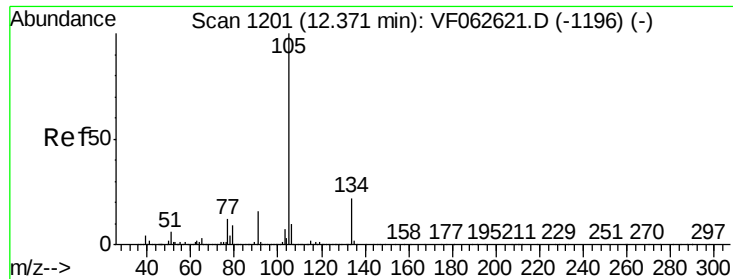
Tot Ion:119 Resp: 724642
 Ion Ratio Lower Upper
 119 100
 91 52.0 27.3 81.9
 134 23.8 13.6 40.7



#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 :

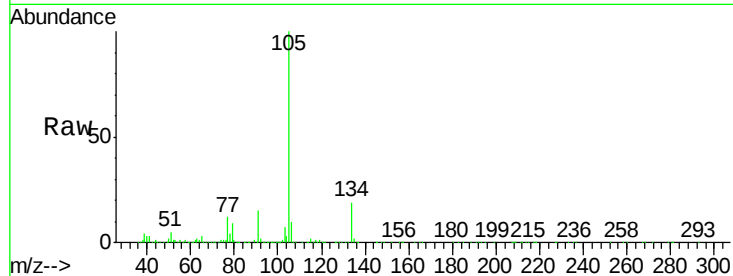
VF0520SBS01

Tot Ion:105 Resp: 938416

Ion Ratio Lower Upper

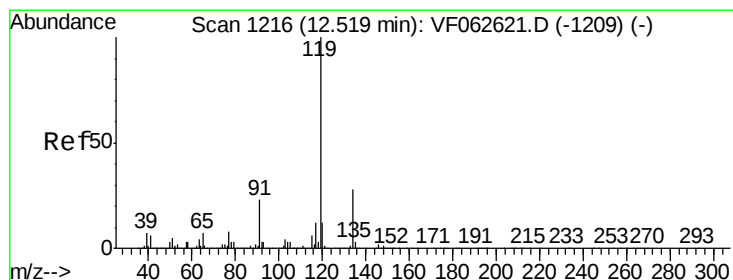
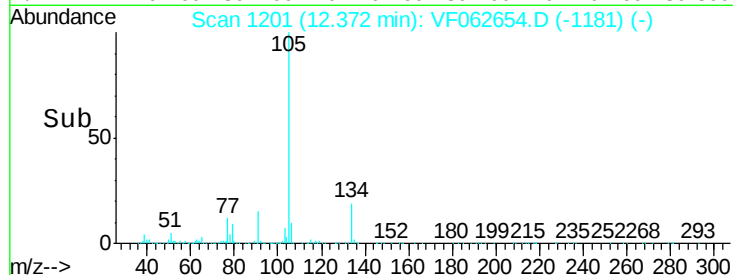
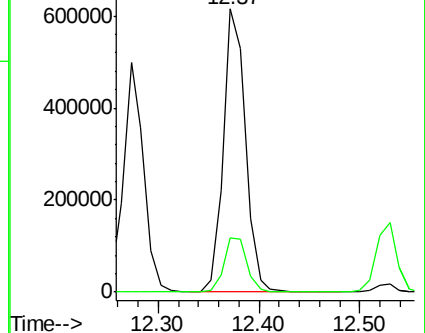
105 100

134 19.1 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#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

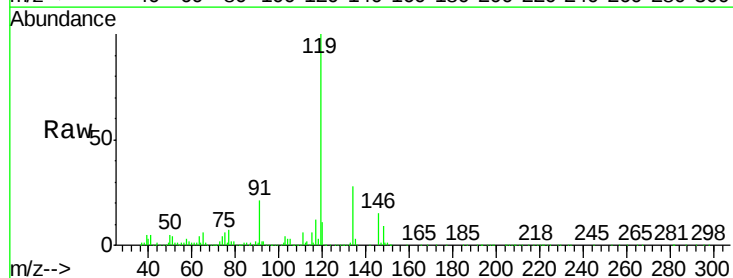
Tgt Ion:119 Resp: 798051

Ion Ratio Lower Upper

119 100

134 28.3 14.1 42.3

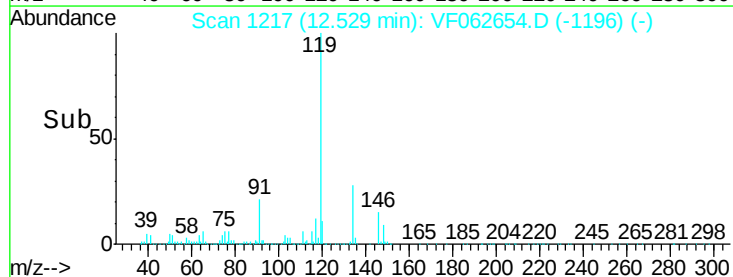
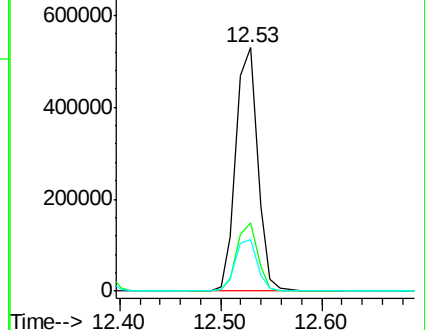
91 21.0 11.4 34.2

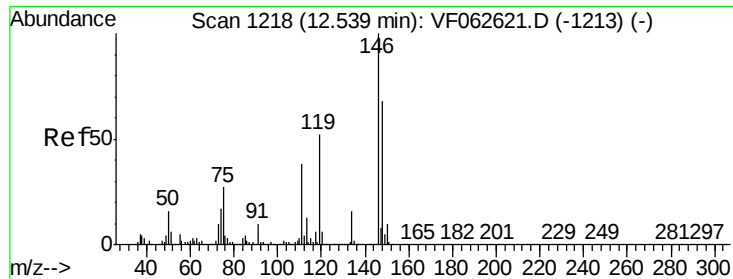


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#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

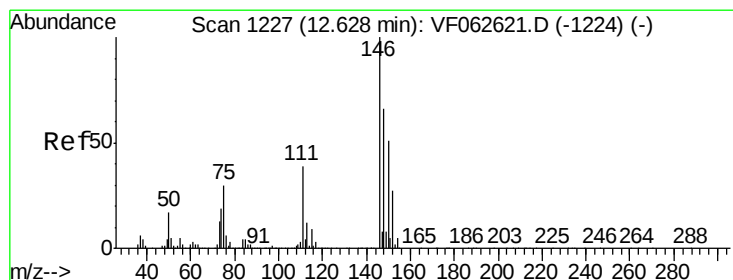
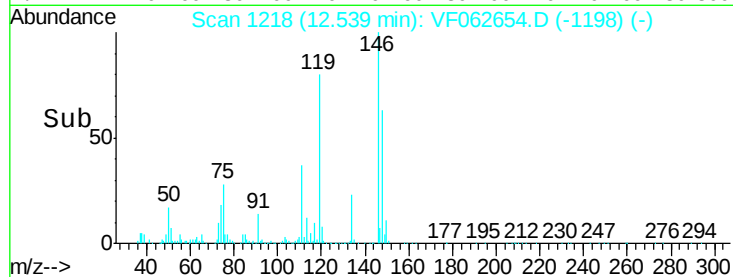
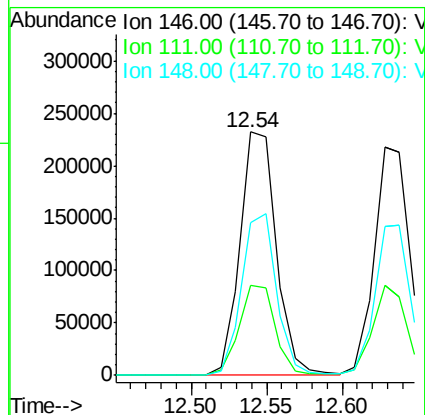
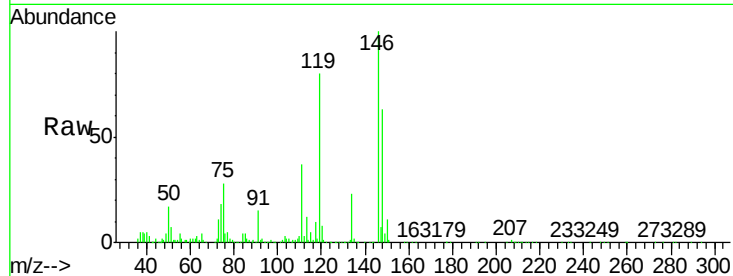
Tot Ion:146 Resp: 389505

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

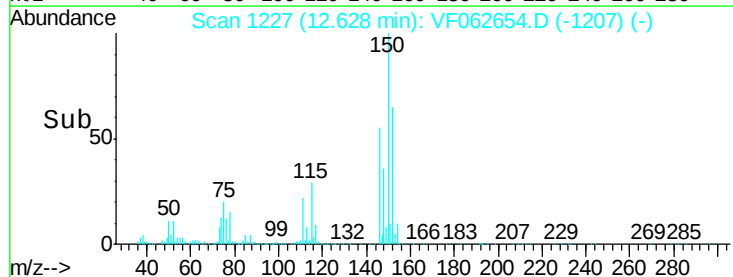
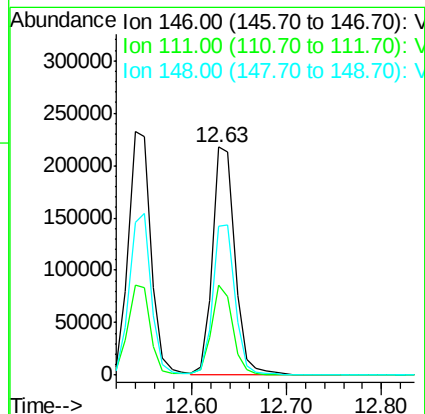
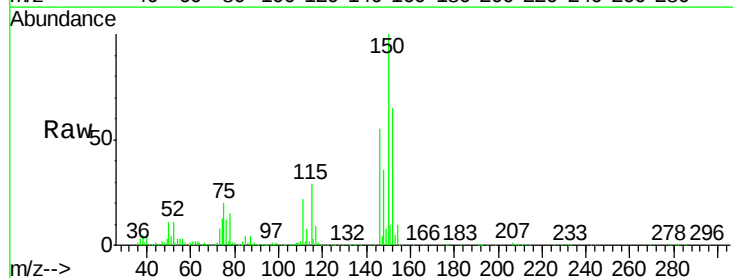
Tgt Ion:146 Resp: 363039

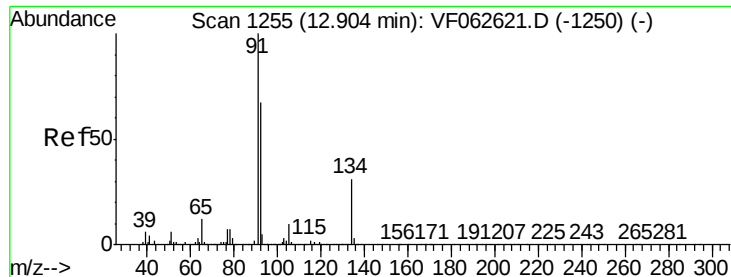
Ion Ratio Lower Upper

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

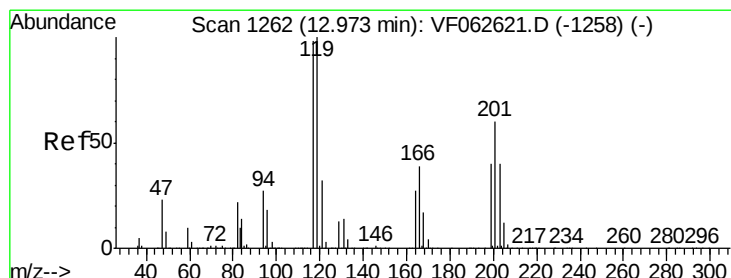
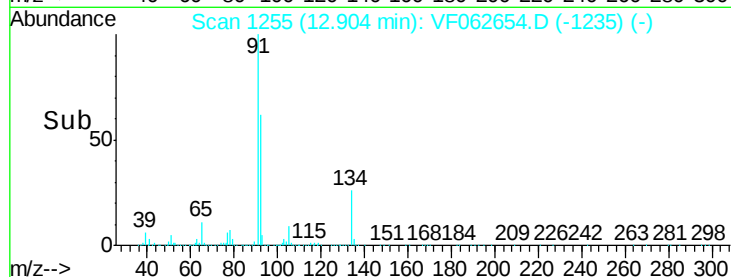
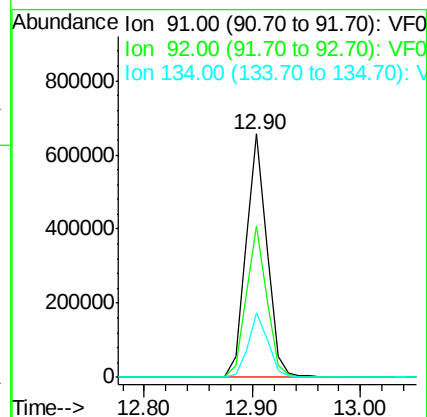
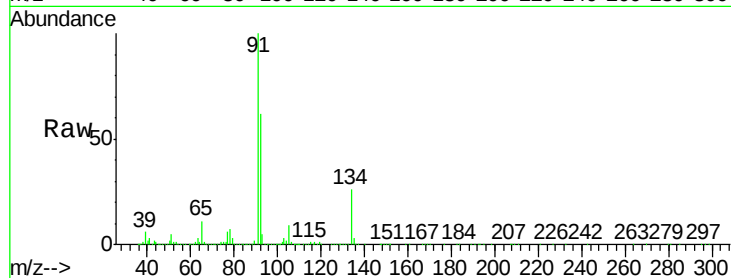
Tot Ion: 91 Resp: 877035

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

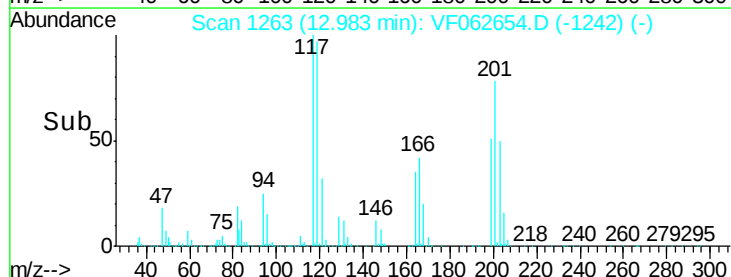
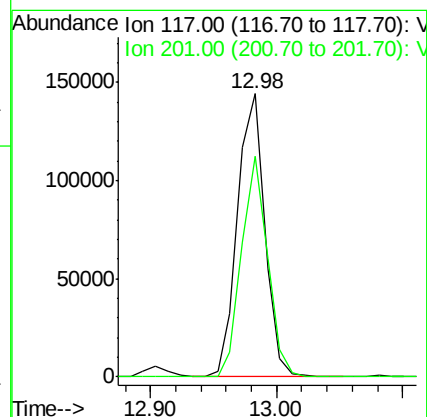
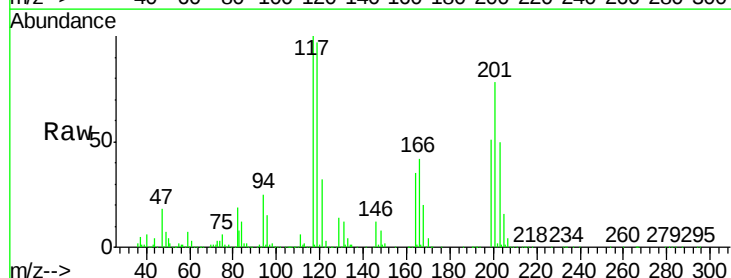
Acq: 20 May 2019 12:13

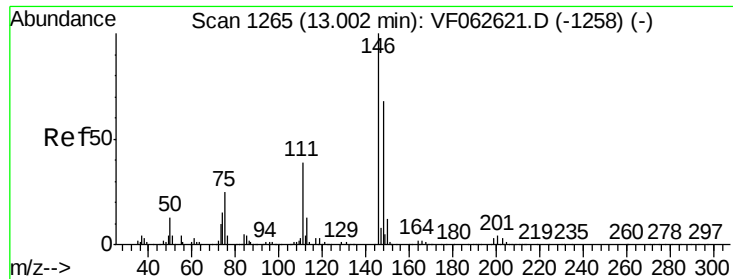
Tgt Ion: 117 Resp: 213822

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

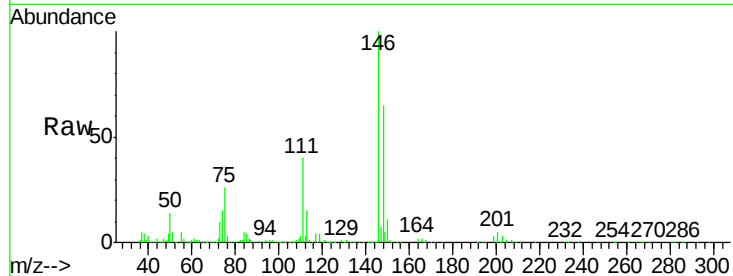
Tot Ion:146 Resp: 386656

Ion Ratio Lower Upper

146 100

111 40.1 19.8 59.3

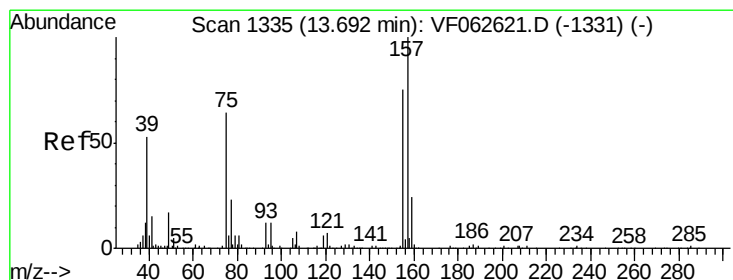
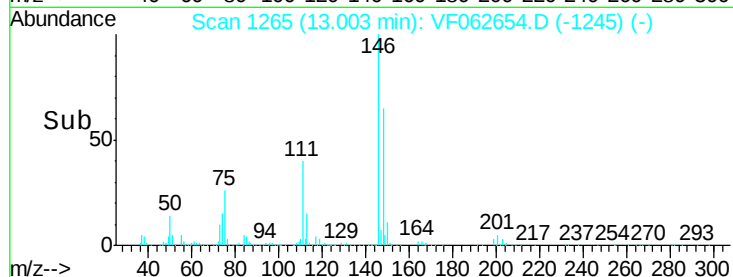
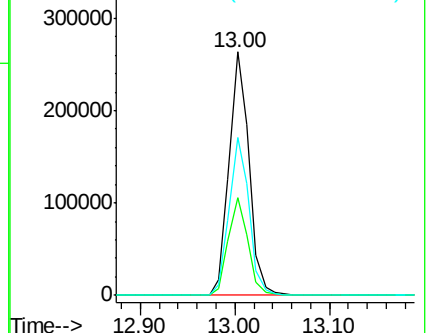
148 65.0 34.1 102.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 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

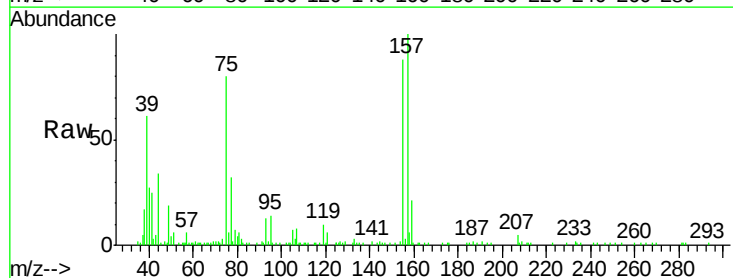
Tgt Ion: 75 Resp: 23384

Ion Ratio Lower Upper

75 100

155 110.5 58.1 174.3

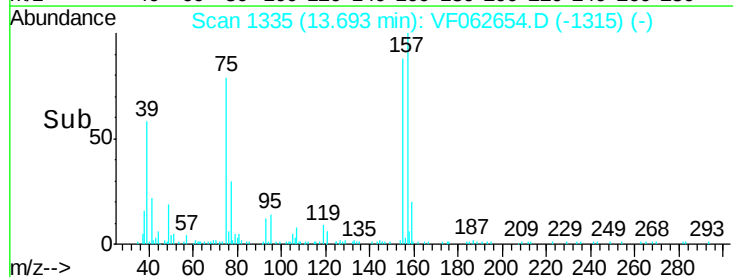
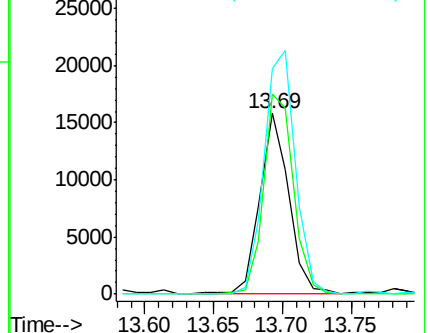
157 125.0 77.8 233.4

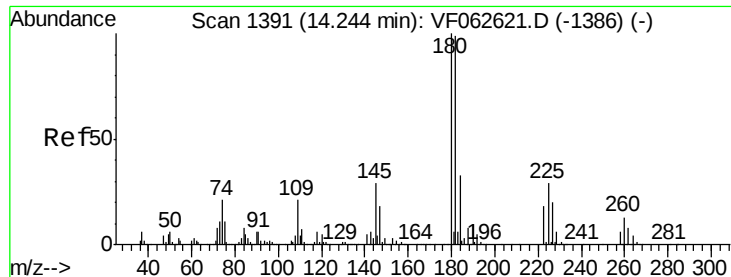


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

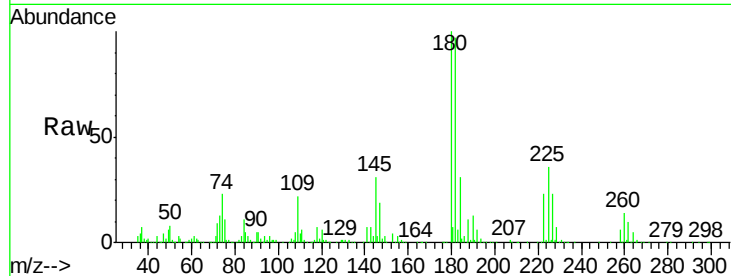




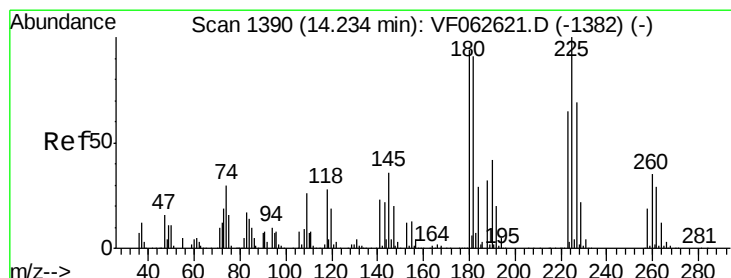
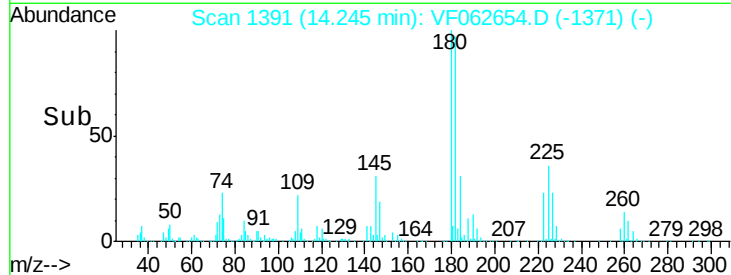
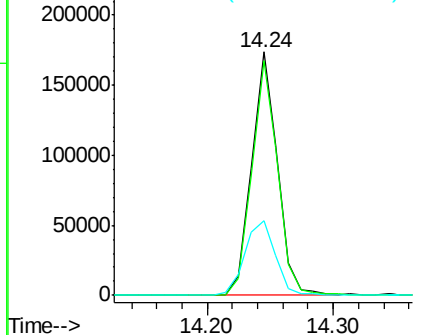
#93
 1,2,4-Trichlorobenzene
 Concen: 21.609 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VF062654.D
 Acq: 20 May 2019 12:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0520SBS01

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

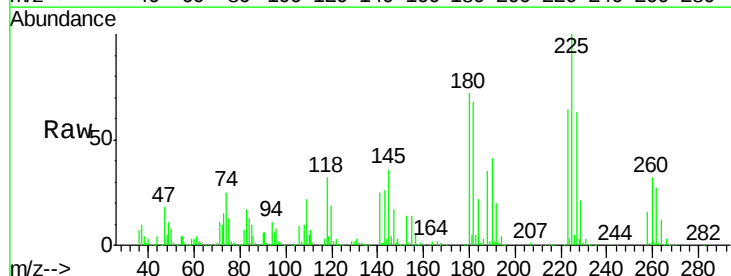


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

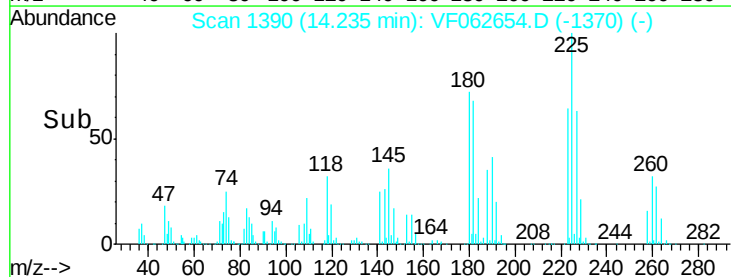
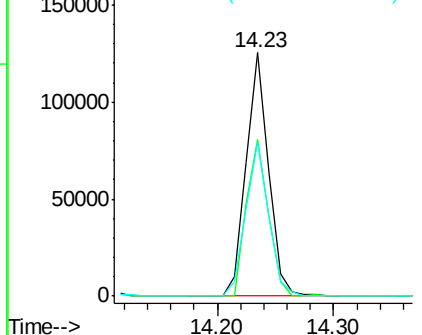


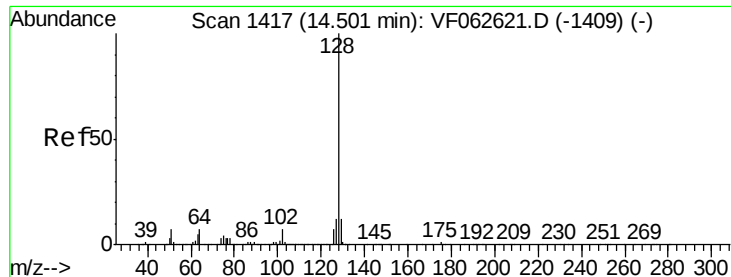
#94
 Hexachlorobutadiene
 Concen: 20.961 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VF062654.D
 Acq: 20 May 2019 12:13

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

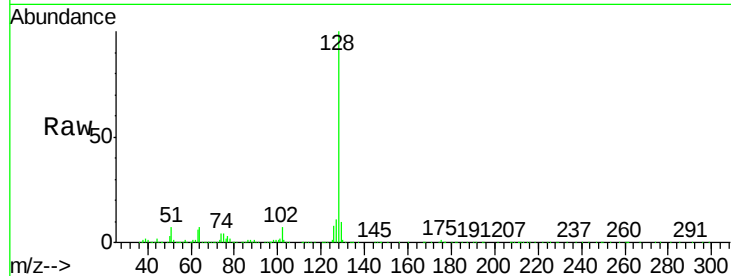
Tot Ion:128 Resp: 421749

Ion Ratio Lower Upper

128 100

127 11.5 9.7 14.5

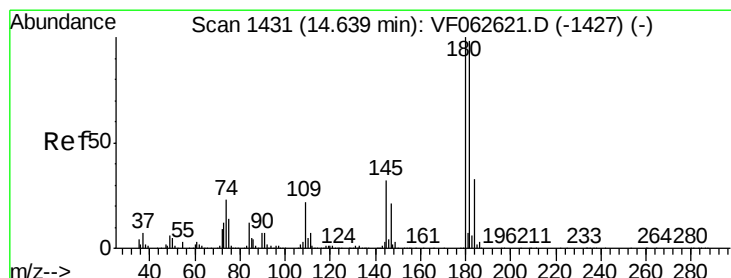
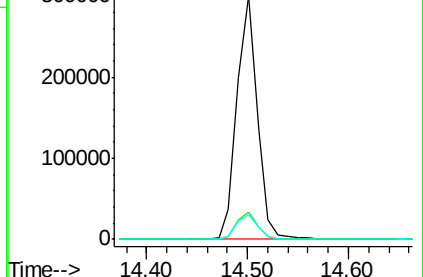
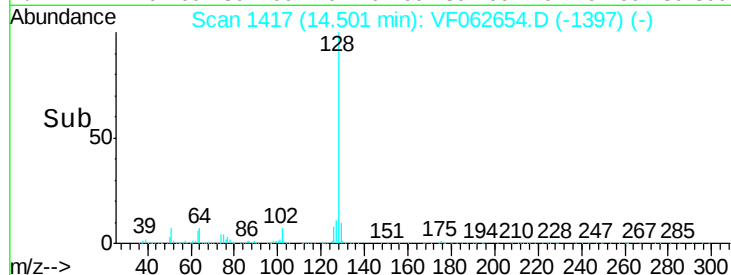
129 10.1 9.3 13.9



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

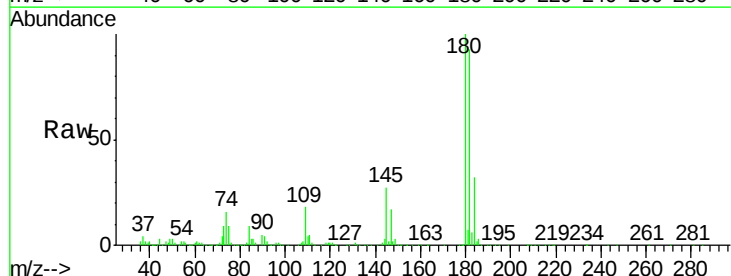
Tgt Ion:180 Resp: 240169

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

