

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052019\
 Data File : VF062655.D
 Acq On : 20 May 2019 12:41
 Operator : FY/SY
 Sample : VF0520SBSD01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0520SBSD01

Quant Time: May 20 14:46:07 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	5.08	168	928742	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1457287	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	1157845	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	591720	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.06	65	284119	43.29	ug/l	0.02
Spiked Amount	50.000		Recovery	=	86.58%	
35) Dibromofluoromethane	4.33	113	510784	45.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.62%	
50) Toluene-d8	7.73	98	1242496	46.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.34%	
62) 4-Bromofluorobenzene	11.50	95	453375	44.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	228907	18.111	ug/l	94
3) Chloromethane	1.14	50	239743	20.601	ug/l	95
4) Vinyl Chloride	1.19	62	223291	20.844	ug/l	100
5) Bromomethane	1.38	94	105780	18.050	ug/l	100
6) Chloroethane	1.44	64	71464	18.165	ug/l	98
7) Trichlorofluoromethane	1.56	101	289054	20.096	ug/l #	84
8) Diethyl Ether	1.72	74	60644	21.283	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.91	101	186939	20.411	ug/l	98
10) Methyl Iodide	1.99	142	366243	20.356	ug/l	96
11) Tert butyl alcohol	2.70	59	44662	103.076	ug/l #	87
12) 1,1-Dichloroethene	1.87	96	177451	21.269	ug/l	98
13) Acrolein	2.11	56	45664	100.961	ug/l	98
14) Allyl chloride	2.21	41	213655	28.295	ug/l	93
15) Acrylonitrile	3.11	53	139764	114.351	ug/l	96
16) Acetone	2.36	43	146144	85.834	ug/l	96
17) Carbon Disulfide	1.91	76	536389	21.691	ug/l	98
18) Methyl Acetate	2.47	43	58450	21.846	ug/l	95
19) Methyl tert-butyl Ether	2.56	73	322079	21.595	ug/l	98
20) Methylene Chloride	2.30	84	194248m	22.761	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	182890	22.427	ug/l	92
22) Diisopropyl ether	2.95	45	424838	22.812	ug/l	98
23) Vinyl Acetate	3.36	43	1309289	104.218	ug/l	98
24) 1,1-Dichloroethane	3.03	63	288511	21.117	ug/l	100
25) 2-Butanone	4.54	43	356877	98.106	ug/l	97
26) 2,2-Dichloropropane	3.80	77	181284	23.191	ug/l	97
27) cis-1,2-Dichloroethene	3.67	96	273154	20.364	ug/l	96
28) Bromochloromethane	3.92	49	146455	19.113	ug/l	93
29) Tetrahydrofuran	4.29	42	157266	106.835	ug/l	98
30) Chloroform	4.07	83	386112	20.355	ug/l	99
31) Cyclohexane	3.89	56	365710	19.936	ug/l	96
32) 1,1,1-Trichloroethane	4.31	97	266767	21.176	ug/l	99
36) 1,1-Dichloropropene	4.50	75	325011	21.765	ug/l	97
37) Ethyl Acetate	4.33	43	130538	21.410	ug/l	84
38) Carbon Tetrachloride	4.21	117	242252	21.571	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052019\
 Data File : VF062655.D
 Acq On : 20 May 2019 12:41
 Operator : FY/SY
 Sample : VF0520SBSD01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0520SBSD01

Quant Time: May 20 14:46:07 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	5.66	83	400717	22.302	ug/l	95
40) Benzene	4.84	78	901062	22.150	ug/l	97
41) Methacrylonitrile	4.95	41	69358	21.698	ug/l	95
42) 1,2-Dichloroethane	5.15	62	174924	21.563	ug/l	97
43) Isopropyl Acetate	7.13	43	168255	21.301	ug/l #	100
44) Trichloroethene	5.71	130	250796	21.935	ug/l	89
45) 1,2-Dichloropropane	6.43	63	219354	21.360	ug/l	95
46) Dibromomethane	6.28	93	131528	22.162	ug/l	95
47) Bromodichloromethane	6.58	83	273666	22.212	ug/l	97
48) Methyl methacrylate	6.89	41	90670	21.961	ug/l	99
49) 1,4-Dioxane	6.89	88	18626	352.236	ug/l #	82
51) 4-Methyl-2-Pentanone	8.42	43	633075	117.253	ug/l	93
52) Toluene	7.80	92	453992	21.279	ug/l	89
53) t-1,3-Dichloropropene	8.44	75	243451	24.152	ug/l	96
54) cis-1,3-Dichloropropene	7.48	75	319411	22.637	ug/l	98
55) 1,1,2-Trichloroethane	8.66	97	145730	23.070	ug/l	98
56) Ethyl methacrylate	8.77	69	171611	22.803	ug/l	98
57) 1,3-Dichloropropane	9.01	76	234760	21.819	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.46	63	252582	103.109	ug/l	99
59) 2-Hexanone	9.64	43	425030	111.090	ug/l	98
60) Dibromochloromethane	8.87	129	186371	22.637	ug/l	96
61) 1,2-Dibromoethane	9.15	107	156393	23.309	ug/l	97
64) Tetrachloroethene	8.32	164	193190	21.061	ug/l	96
65) Chlorobenzene	9.95	112	494505	21.745	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	204997	22.455	ug/l	99
67) Ethyl Benzene	10.05	91	915432	23.172	ug/l	100
68) m/p-Xylenes	10.27	106	636492	42.866	ug/l	82
69) o-Xylene	10.83	106	338283	22.119	ug/l	100
70) Styrene	10.90	104	517174	22.248	ug/l	99
71) Bromoform	10.89	173	102077	22.325	ug/l	97
73) Isopropylbenzene	11.23	105	949045	22.378	ug/l	98
74) N-amyl acetate	11.45	43	241291	19.017	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	177216	20.447	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	111117	19.512	ug/l	97
77) Bromobenzene	11.59	156	214159	20.315	ug/l	97
78) n-propylbenzene	11.68	91	1058639	21.092	ug/l	93
79) 2-Chlorotoluene	11.81	91	598656	21.165	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	706704	20.782	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	48937m	19.332	ug/l	
82) 4-Chlorotoluene	11.98	91	572677	20.531	ug/l	96
83) tert-Butylbenzene	12.20	119	742150	21.511	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	701012	21.299	ug/l	93
85) sec-Butylbenzene	12.38	105	982102	21.211	ug/l	99
86) p-Isopropyltoluene	12.53	119	835667	21.416	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	407167	21.349	ug/l	94
88) 1,4-Dichlorobenzene	12.64	146	372292	20.801	ug/l	96
89) n-Butylbenzene	12.90	91	898705	23.360	ug/l	94
90) Hexachloroethane	12.98	117	208365	22.260	ug/l	86
91) 1,2-Dichlorobenzene	13.00	146	379169	22.303	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	22429	21.693	ug/l	94

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052019\
Data File : VF062655.D
Acq On : 20 May 2019 12:41
Operator : FY/SY
Sample : VF0520SBSD01
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0520SBSD01

Quant Time: May 20 14:46:07 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

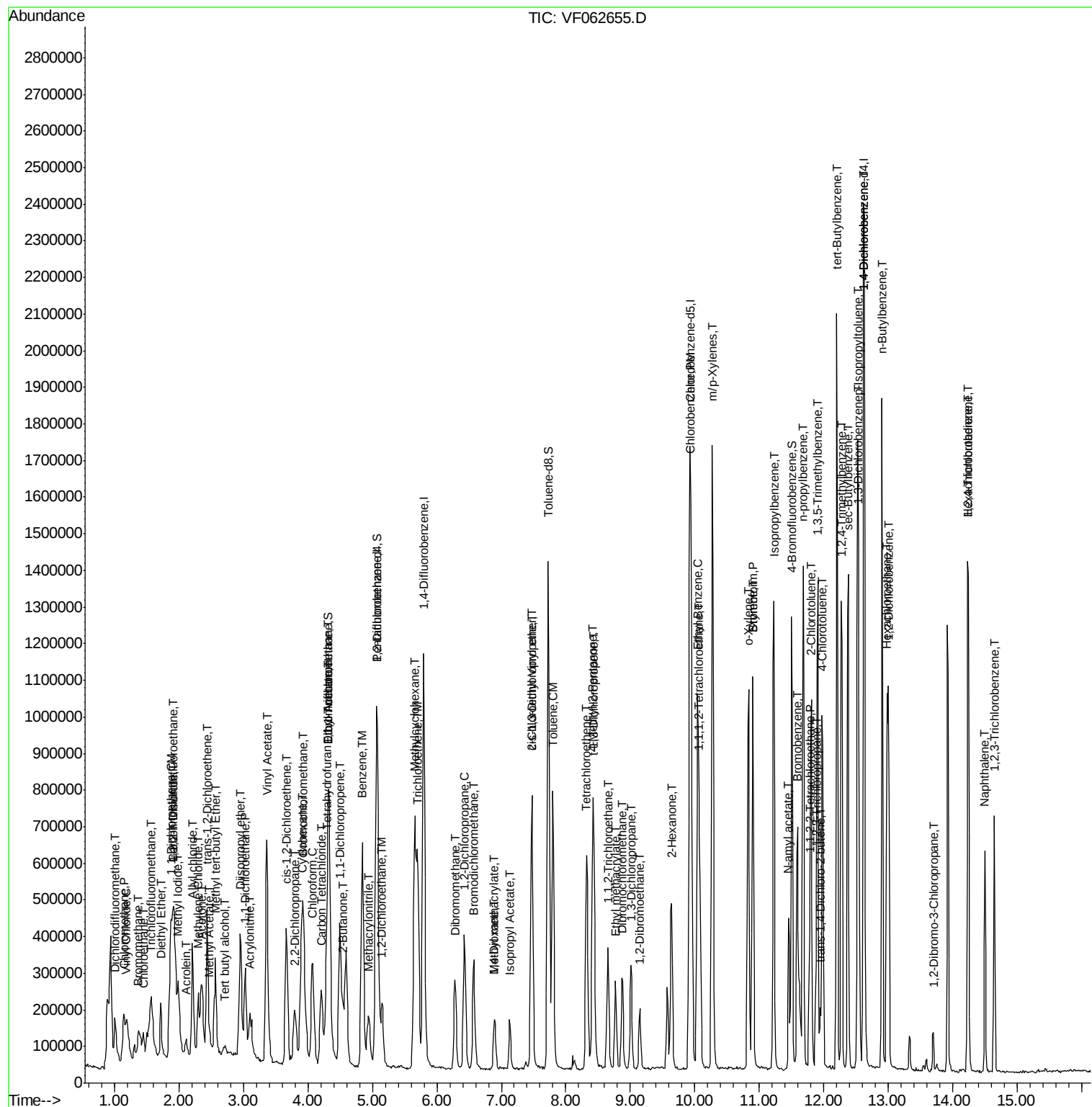
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	249144	20.473	ug/l	94
94) Hexachlorobutadiene	14.23	225	175208	20.631	ug/l	97
95) Naphthalene	14.50	128	421094	19.047	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	227236	19.714	ug/l	99

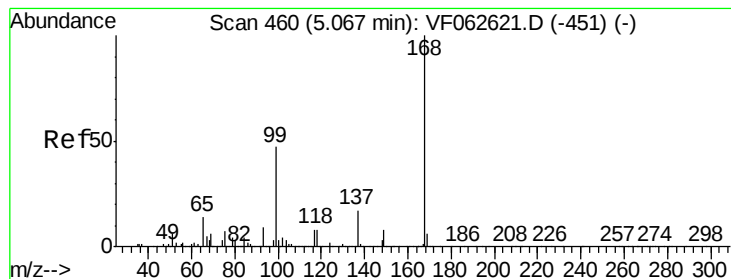
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052019\
Data File : VF062655.D
Acq On : 20 May 2019 12:41
Operator : FY/SY
Sample : VF0520SBSD01
Misc : 5.00µ/5mL/MSVOA F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0520SBSD01

Quant Time: May 20 14:46:07 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. 0.01 min

Lab File: VF062655.D

Acq: 20 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

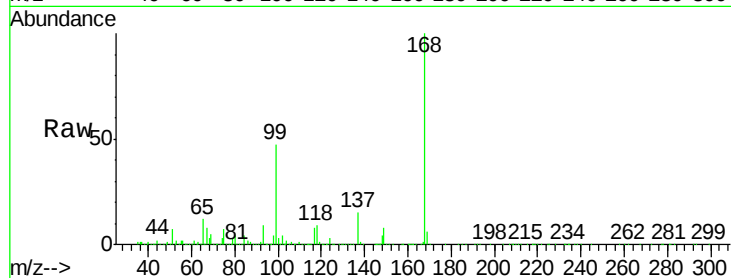
VF0520SBSD01

Tot Ion:168 Resp: 928742

Ion Ratio Lower Upper

168 100

99 47.1 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.08

300000

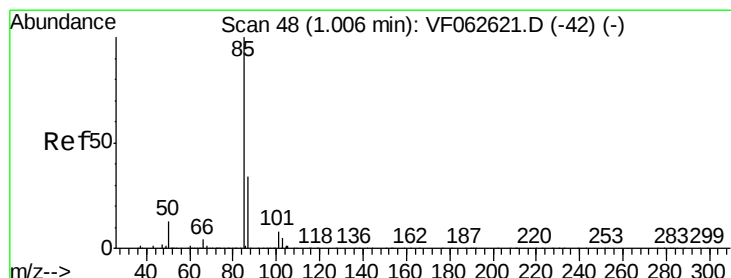
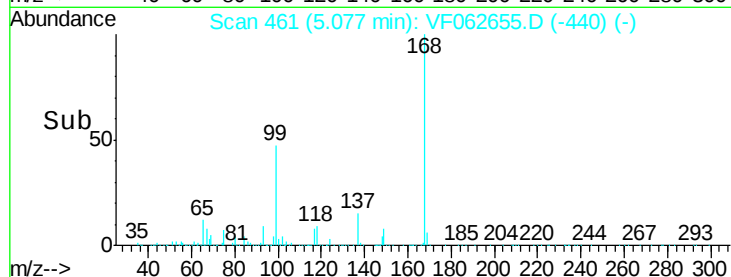
200000

100000

0

4.90 5.00 5.10 5.20 5.30

Time-->



#2

Dichlorodifluoromethane

Concen: 18.111 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062655.D

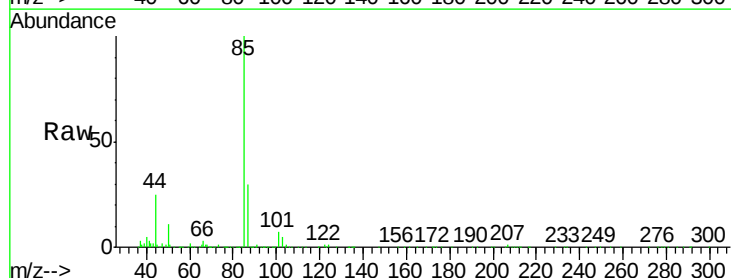
Acq: 20 May 2019 12:41

Tgt Ion: 85 Resp: 228907

Ion Ratio Lower Upper

85 100

87 30.0 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

80000

60000

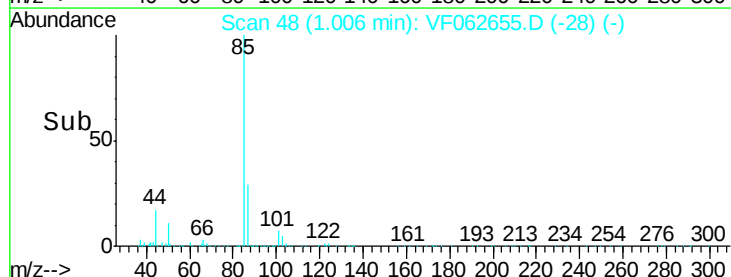
40000

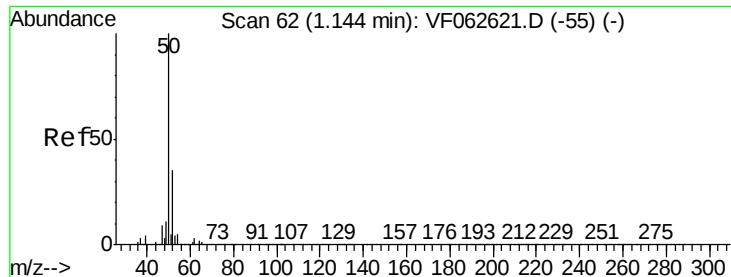
20000

0

0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 20.601 ug/l

RT: 1.14 min Scan# 62

Delta R.T. 0.00 min

Lab File: VF062655.D

Acq: 20 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

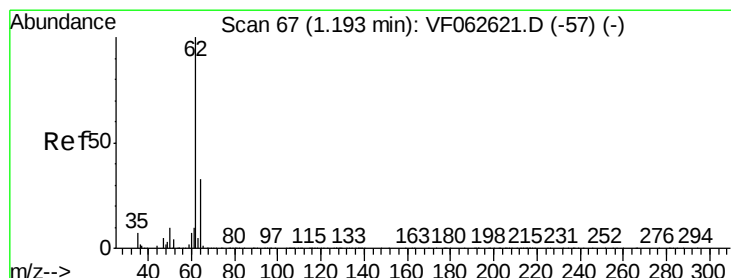
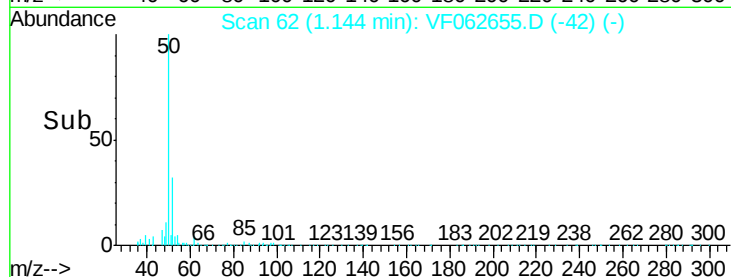
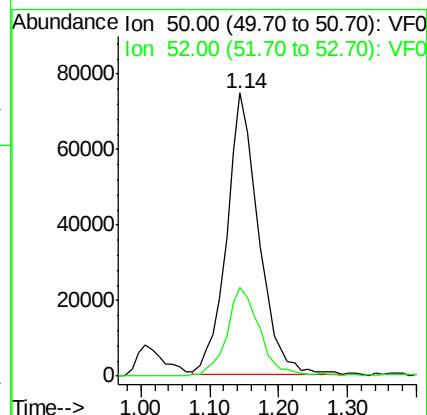
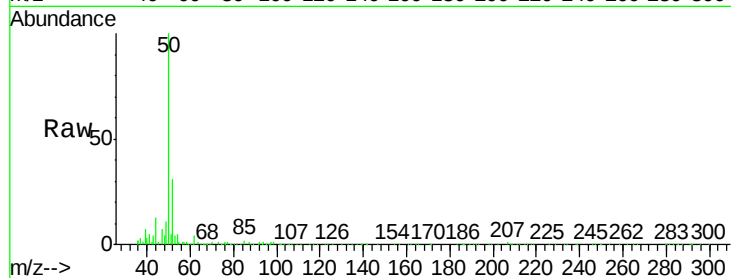
VF0520SBS01

Tot Ion: 50 Resp: 239743

Ion Ratio Lower Upper

50 100

52 31.4 27.5 41.3



#4

Vinyl Chloride

Concen: 20.844 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062655.D

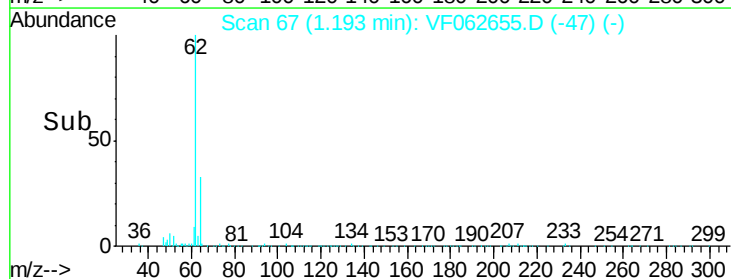
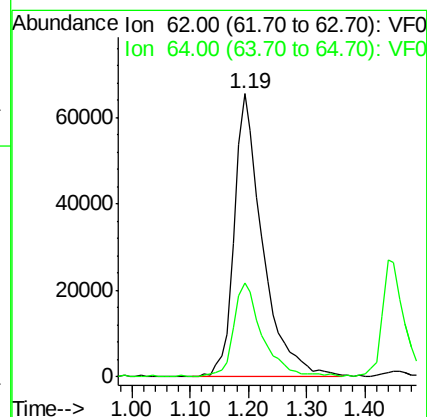
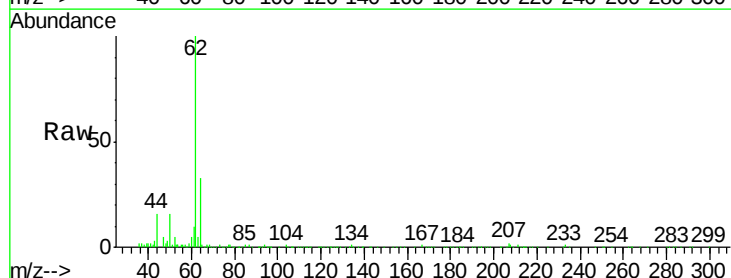
Acq: 20 May 2019 12:41

Tgt Ion: 62 Resp: 223291

Ion Ratio Lower Upper

62 100

64 33.1 26.7 40.1





#5

Bromomethane

Concen: 18.050 ug/l

RT: 1.38 min Scan# 86

Delta R.T. -0.02 min

Lab File: VF062655.D

Acq: 20 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

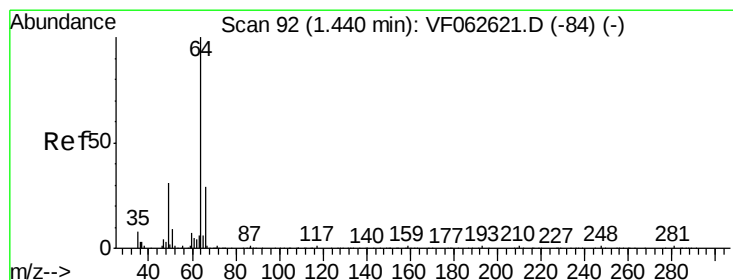
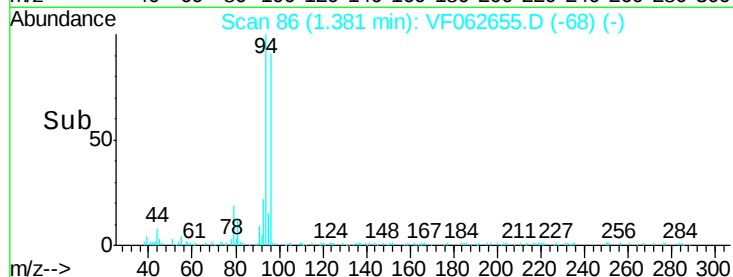
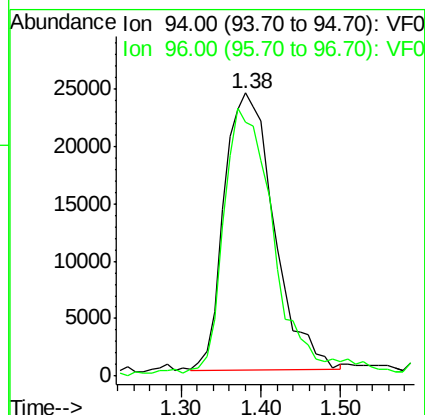
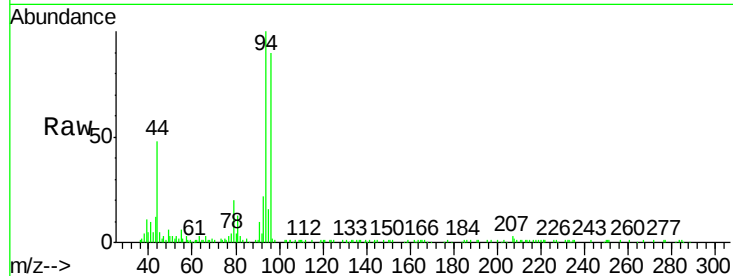
VF0520SBS01

Tot Ion: 94 Resp: 105780

Ion Ratio Lower Upper

94 100

96 91.5 73.2 109.8



#6

Chloroethane

Concen: 18.165 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.00 min

Lab File: VF062655.D

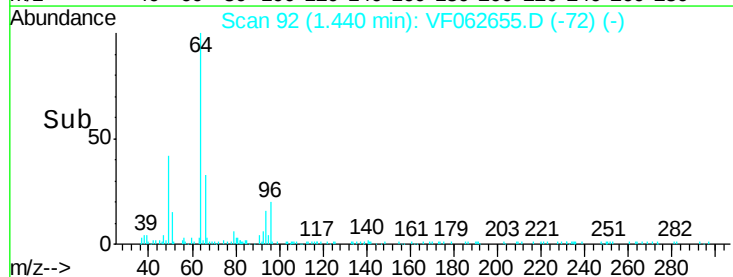
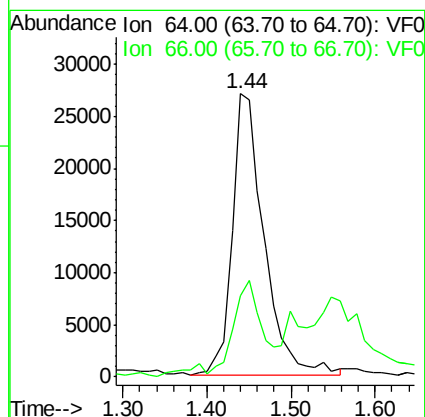
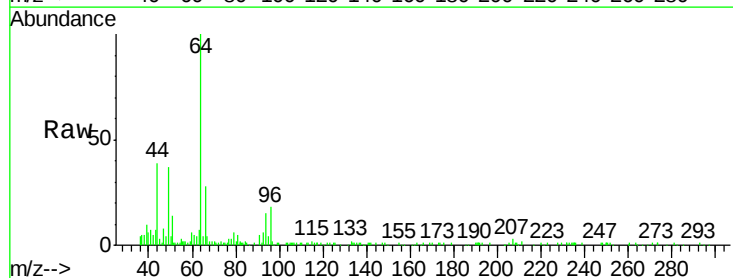
Acq: 20 May 2019 12:41

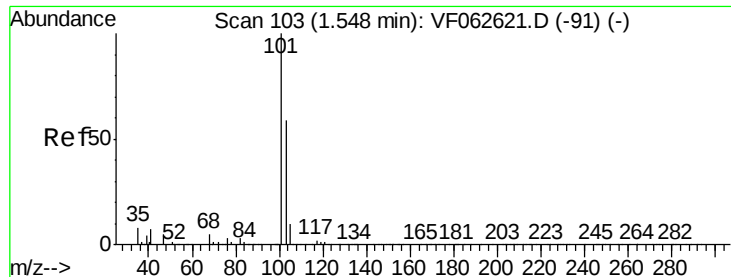
Tgt Ion: 64 Resp: 71464

Ion Ratio Lower Upper

64 100

66 28.5 23.4 35.2



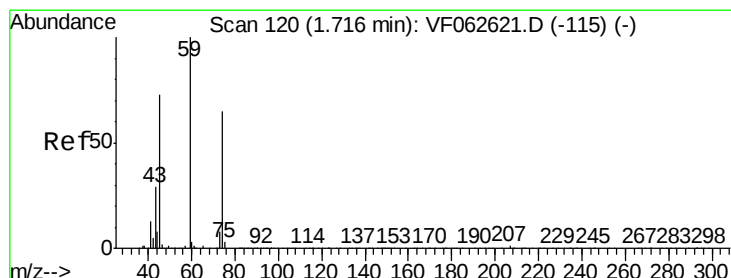
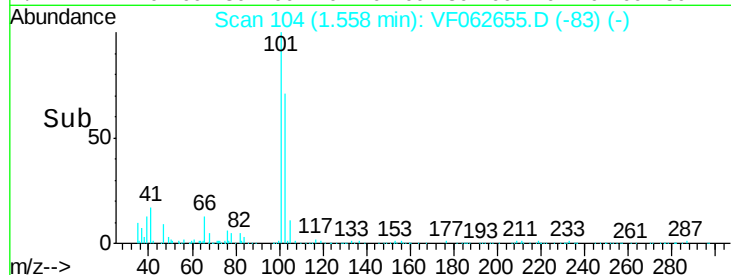
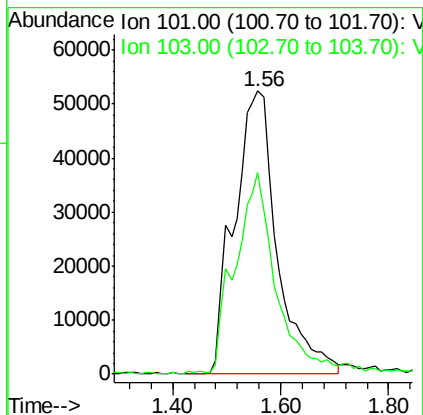
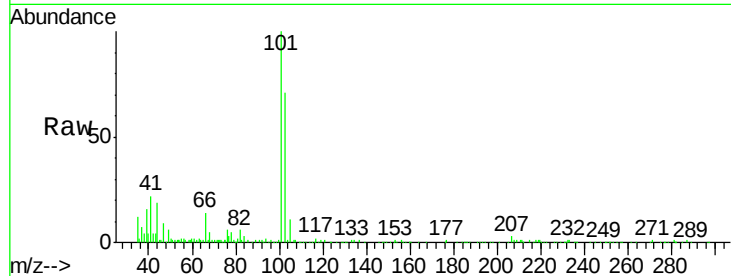


#7

Trichlorofluoromethane
 Concen: 20.096 ug/l
 RT: 1.56 min Scan# 104
 Delta R.T. 0.01 min
 Lab File: VF062655.D
 Acq: 20 May 2019 12:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0520SBS01

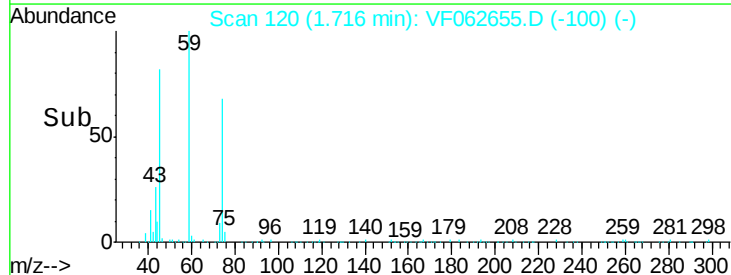
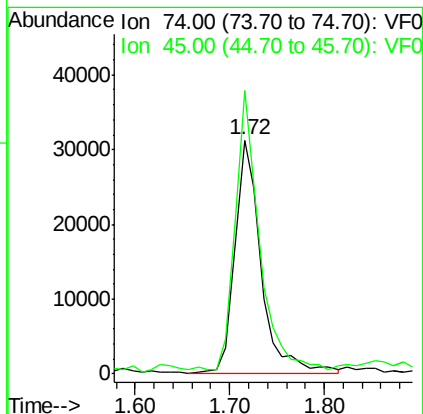
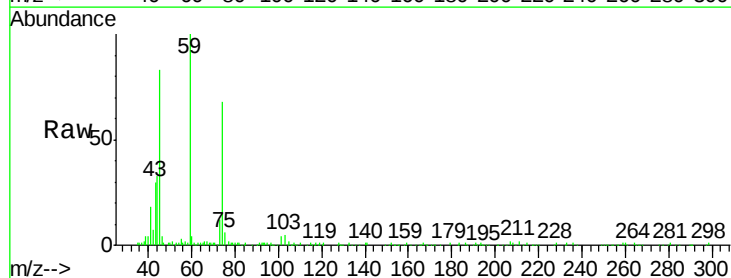
Tot Ion:101 Resp: 289054
 Ion Ratio Lower Upper
 101 100
 103 71.1 47.3 70.9#

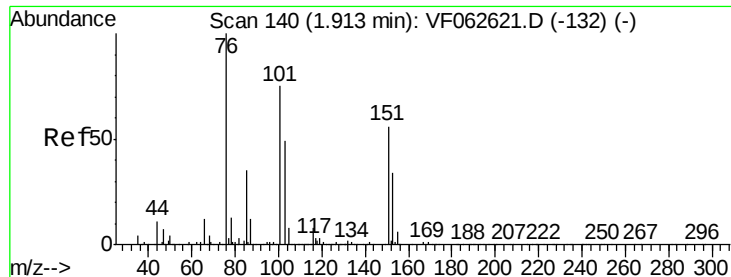


#8

Diethyl Ether
 Concen: 21.283 ug/l
 RT: 1.72 min Scan# 120
 Delta R.T. 0.00 min
 Lab File: VF062655.D
 Acq: 20 May 2019 12:41

Tgt Ion: 74 Resp: 60644
 Ion Ratio Lower Upper
 74 100
 45 121.2 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.411 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF062655.D

Acq: 20 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VF0520SBS01

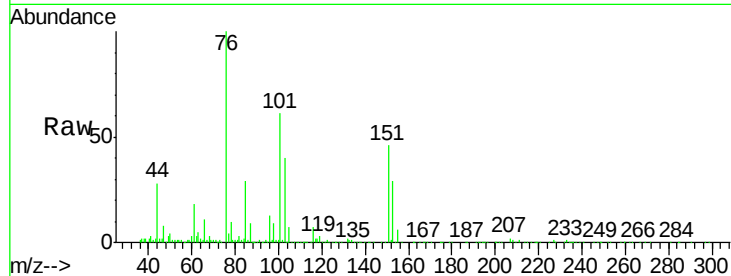
Tot Ion:101 Resp: 186939

Ion Ratio Lower Upper

101 100

85 47.2 37.1 55.7

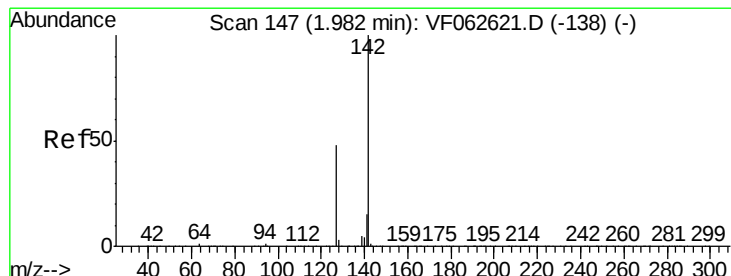
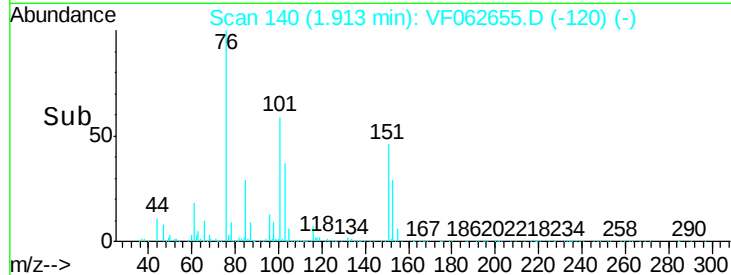
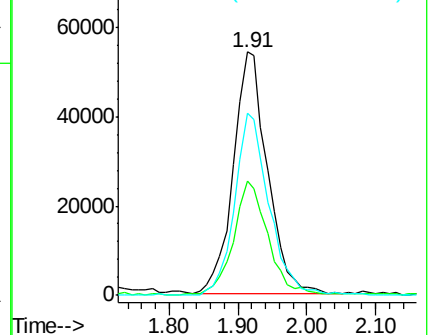
151 75.0 58.8 88.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 20.356 ug/l

RT: 1.99 min Scan# 148

Delta R.T. 0.01 min

Lab File: VF062655.D

Acq: 20 May 2019 12:41

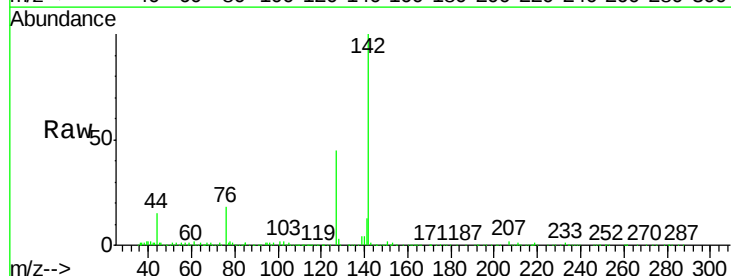
Tgt Ion:142 Resp: 366243

Ion Ratio Lower Upper

142 100

127 44.8 38.1 57.1

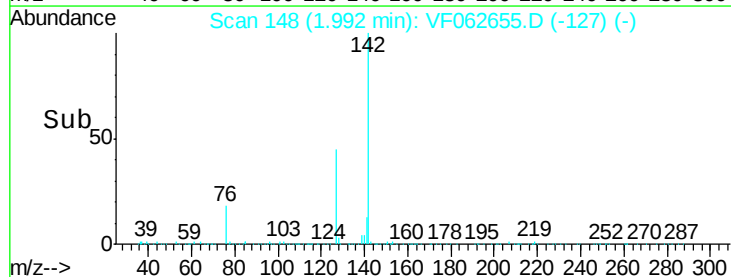
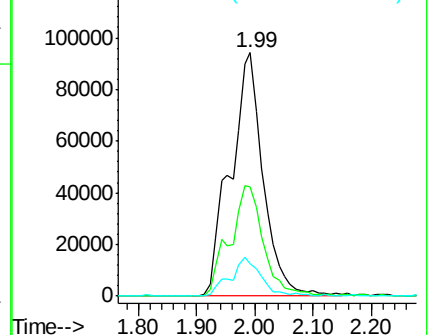
141 13.1 11.7 17.5

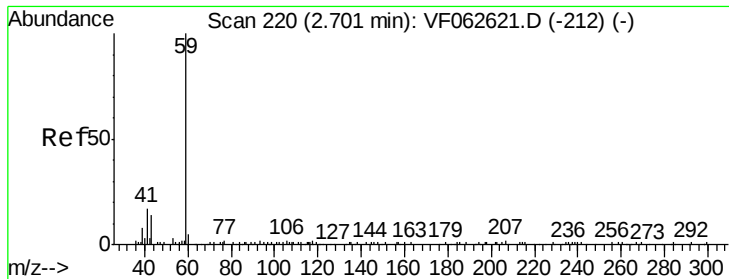


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

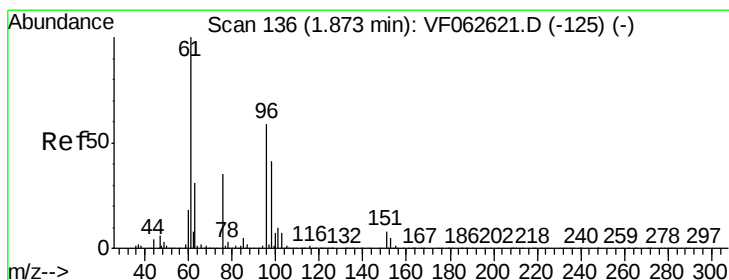
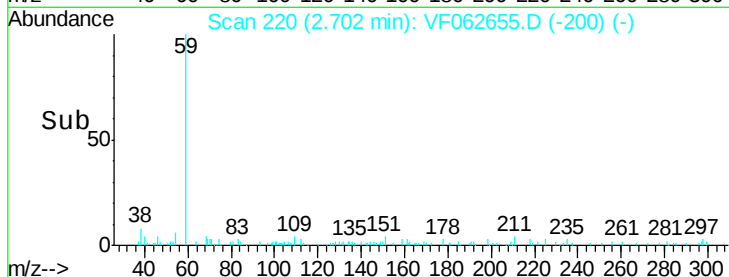
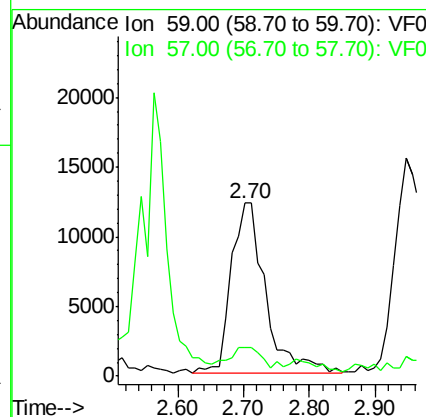
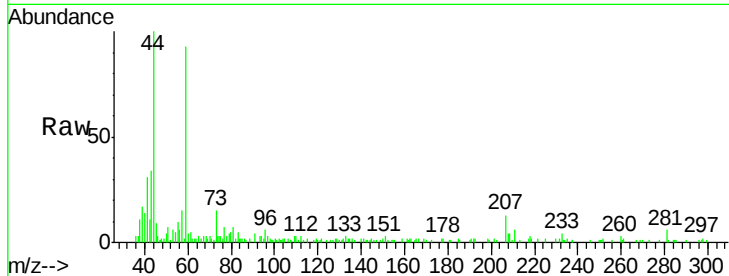




#11
Tert butyl alcohol
Concen: 103.076 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.00 min
Lab File: VF062655.D
Acq: 20 May 2019 12:41

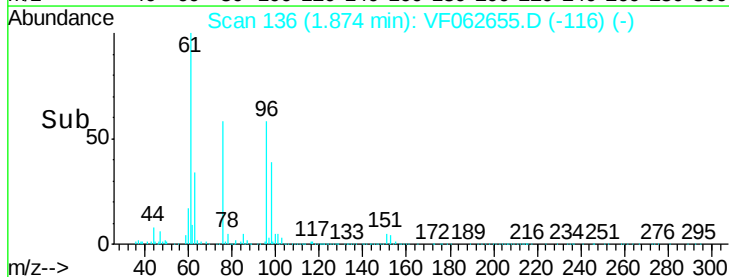
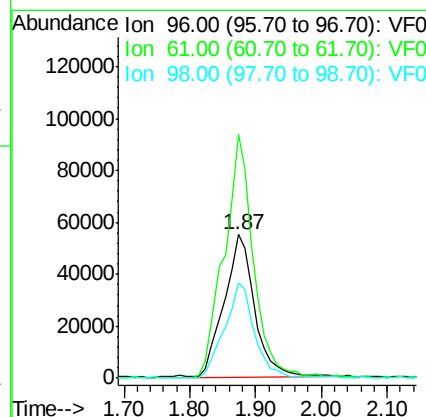
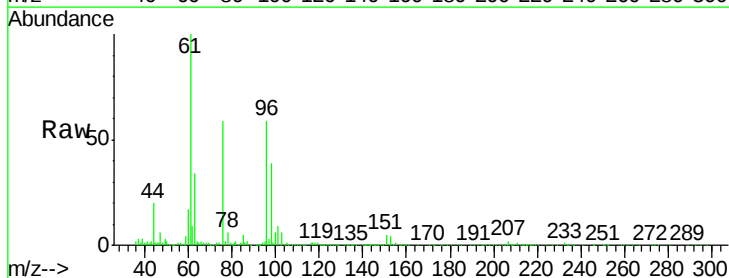
Instrument :
MSVOA_F
ClientSampleId :
VF0520SBS01

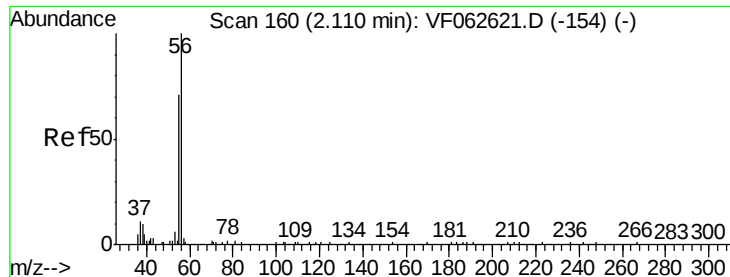
Tot Ion: 59 Resp: 44662
Ion Ratio Lower Upper
59 100
57 16.7 9.3 13.9#



#12
1,1-Dichloroethene
Concen: 21.269 ug/l
RT: 1.87 min Scan# 136
Delta R.T. 0.00 min
Lab File: VF062655.D
Acq: 20 May 2019 12:41

Tgt Ion: 96 Resp: 177451
Ion Ratio Lower Upper
96 100
61 169.8 134.3 201.5
98 66.0 55.0 82.6





#13

Acrolein

Concen: 100.961 ug/l

RT: 2.11 min Scan# 160

Delta R.T. 0.00 min

Lab File: VF062655.D

Acq: 20 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

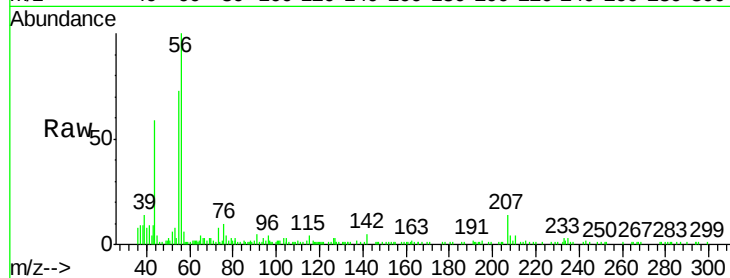
VF0520SBS01

Tot Ion: 56 Resp: 45664

Ion Ratio Lower Upper

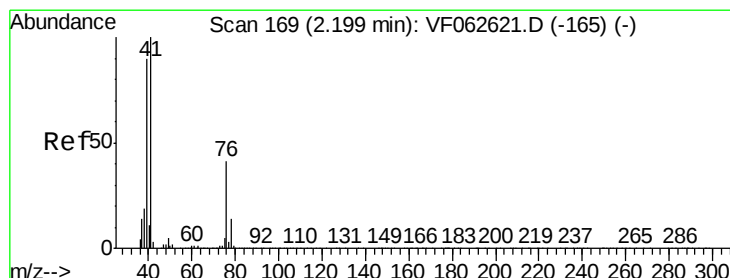
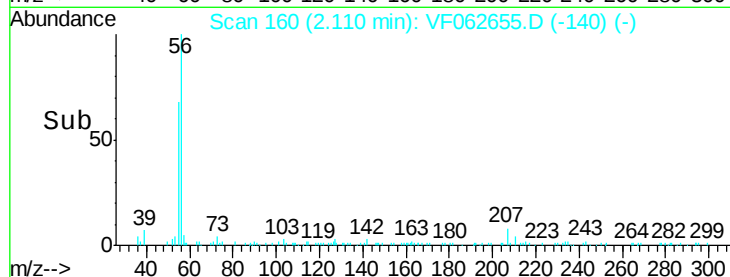
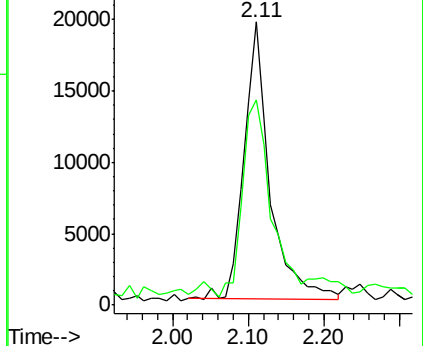
56 100

55 72.6 59.4 89.0



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 28.295 ug/l

RT: 2.21 min Scan# 170

Delta R.T. 0.01 min

Lab File: VF062655.D

Acq: 20 May 2019 12:41

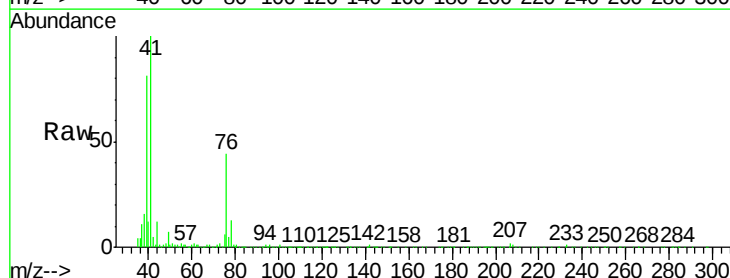
Tgt Ion: 41 Resp: 213655

Ion Ratio Lower Upper

41 100

39 81.4 72.0 108.0

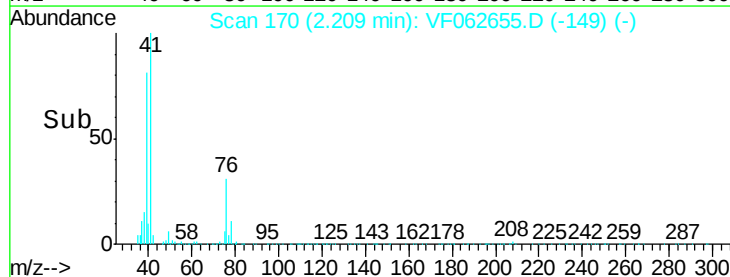
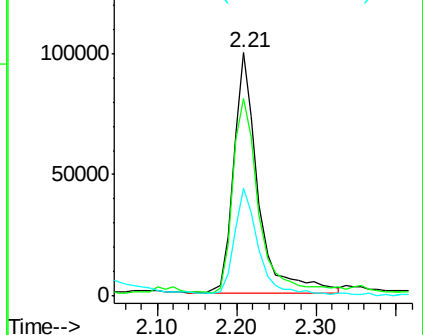
76 44.2 34.8 52.2

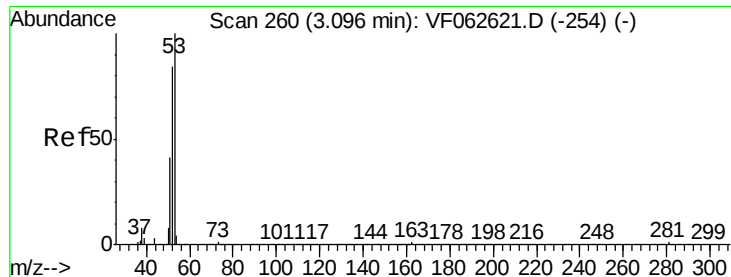


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 114.351 ug/l

RT: 3.11 min Scan# 261

Delta R.T. 0.01 min

Lab File: VF062655.D

Acq: 20 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VF0520SBS01

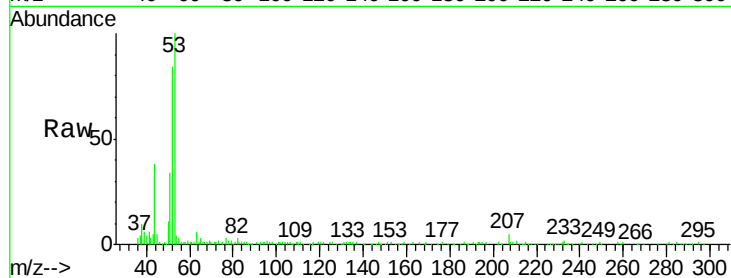
Tot Ion: 53 Resp: 139764

Ion Ratio Lower Upper

53 100

52 84.0 67.3 100.9

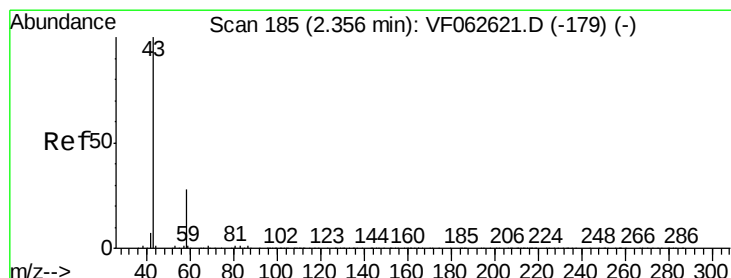
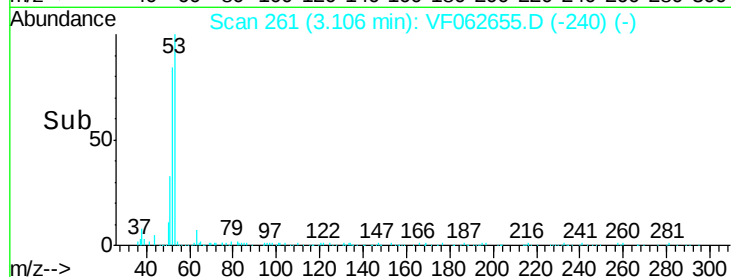
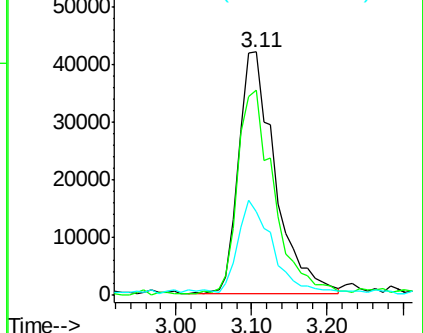
51 34.1 33.0 49.6



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 85.834 ug/l

RT: 2.36 min Scan# 185

Delta R.T. 0.00 min

Lab File: VF062655.D

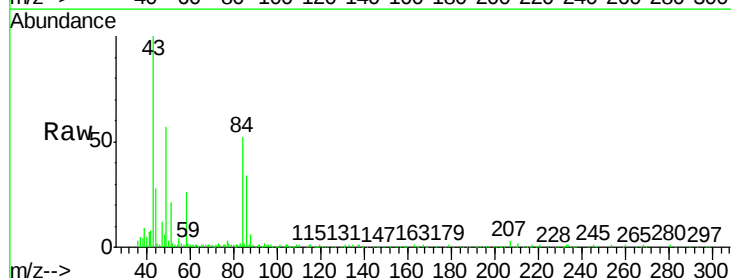
Acq: 20 May 2019 12:41

Tgt Ion: 43 Resp: 146144

Ion Ratio Lower Upper

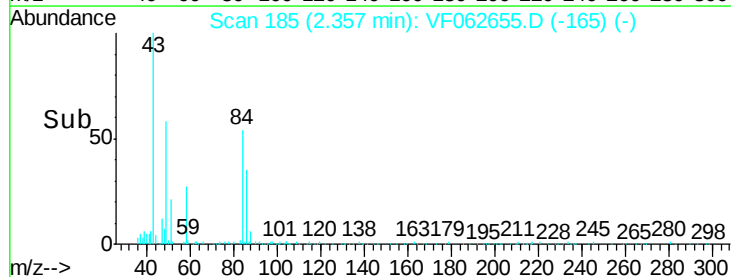
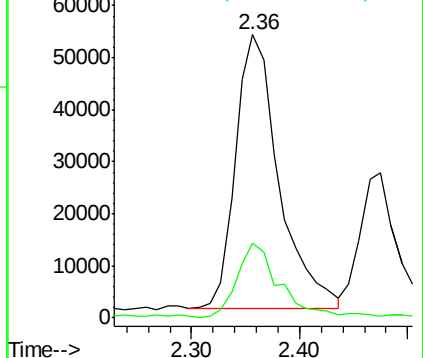
43 100

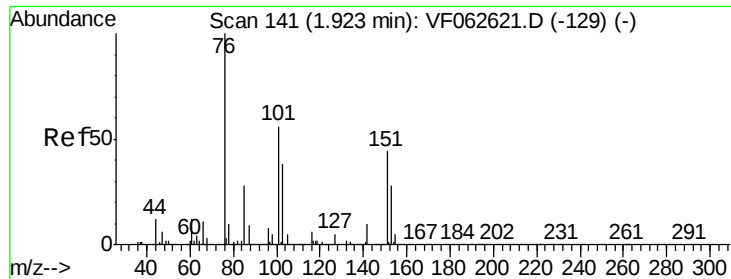
58 26.2 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

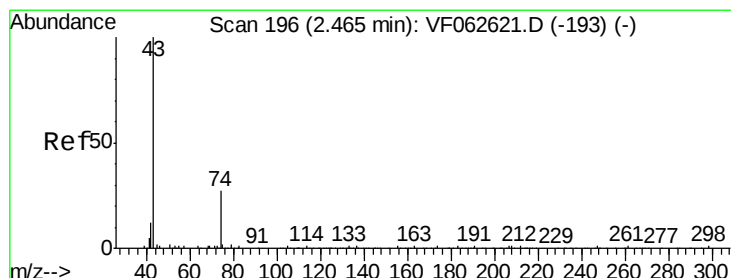
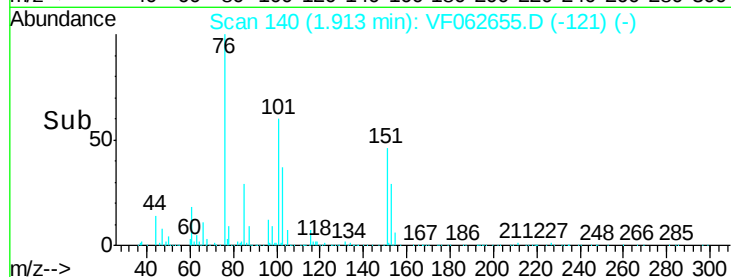
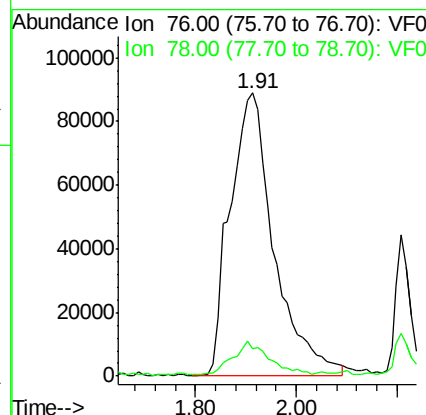
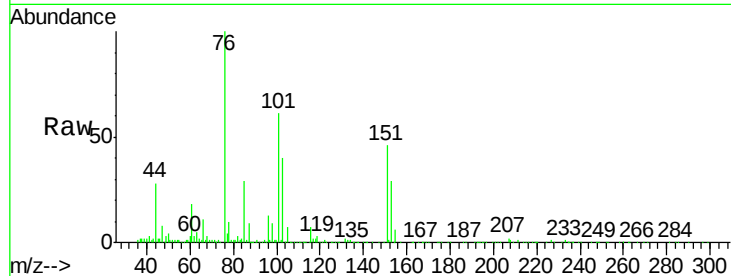




#17
Carbon Disulfide
Concen: 21.691 ug/l
RT: 1.91 min Scan# 140
Delta R.T. -0.01 min
Lab File: VF062655.D
Acq: 20 May 2019 12:41

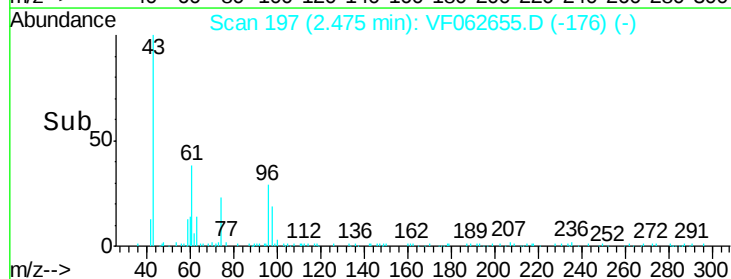
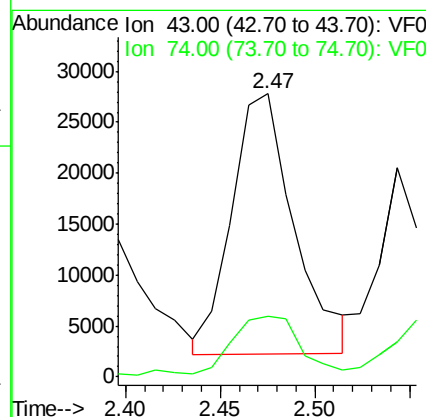
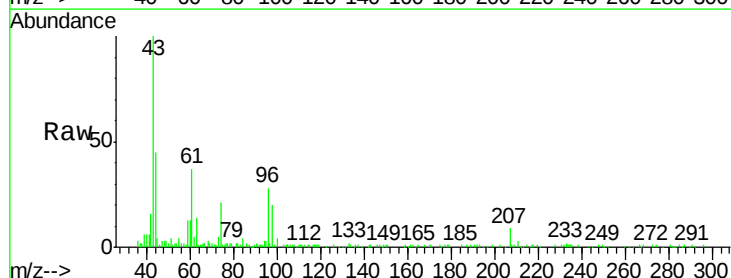
Instrument :
MSVOA_F
ClientSampleId :
VF0520SBS01

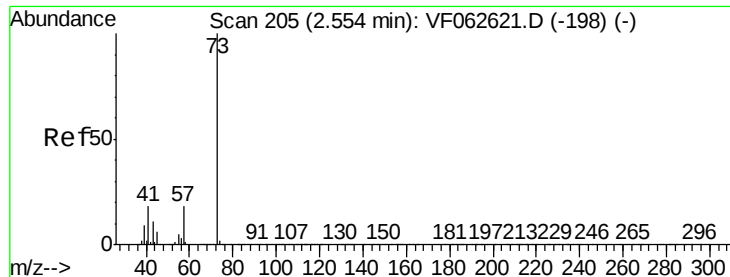
Tot Ion: 76 Resp: 536389
Ion Ratio Lower Upper
76 100
78 9.8 8.4 12.6



#18
Methyl Acetate
Concen: 21.846 ug/l
RT: 2.47 min Scan# 197
Delta R.T. 0.01 min
Lab File: VF062655.D
Acq: 20 May 2019 12:41

Tgt Ion: 43 Resp: 58450
Ion Ratio Lower Upper
43 100
74 21.3 18.9 28.3

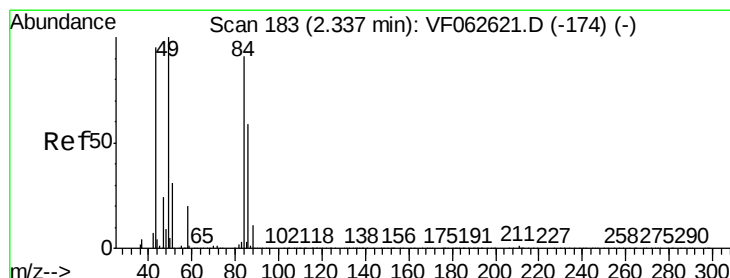
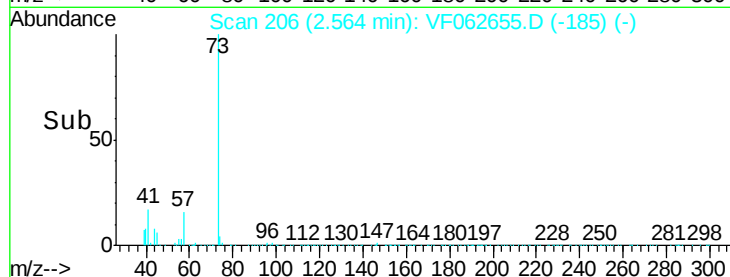
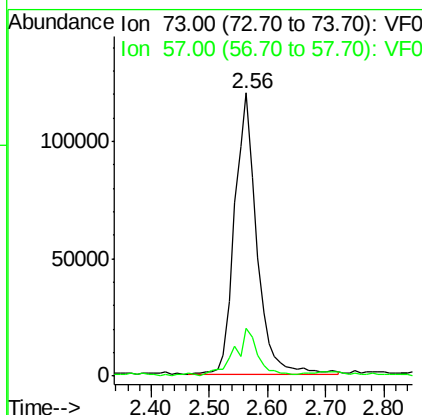
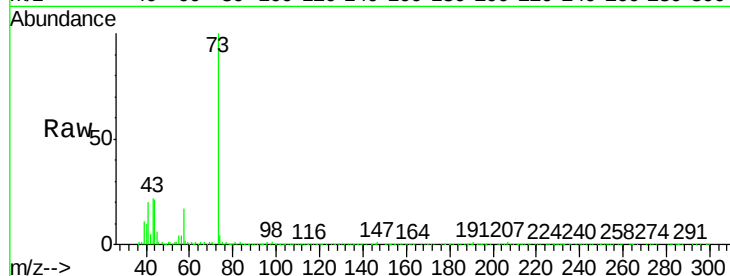




#19
Methvl tert-butvl Ether
Concen: 21.595 ug/l
RT: 2.56 min Scan# 206
Delta R.T. 0.01 min
Lab File: VF062655.D
Acq: 20 May 2019 12:41

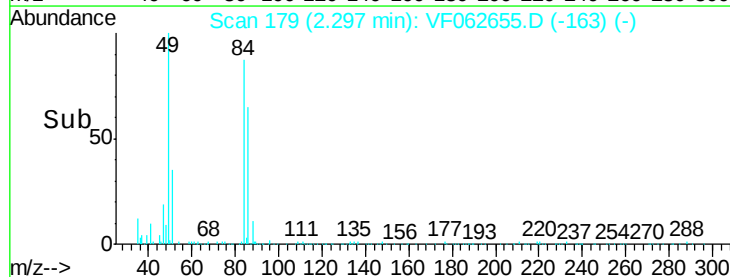
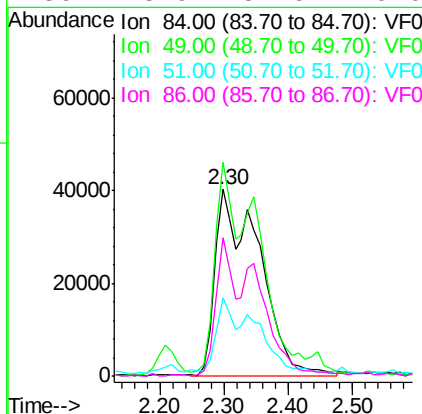
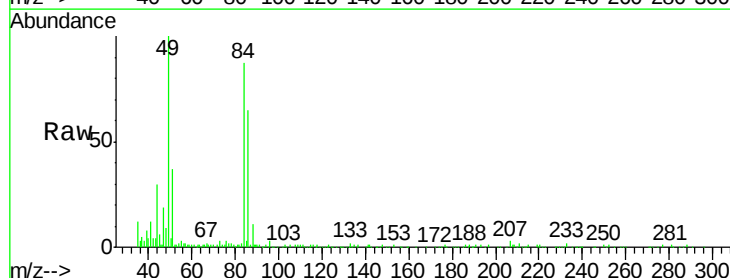
Instrument :
MSVOA_F
ClientSampleId :
VF0520SBS01

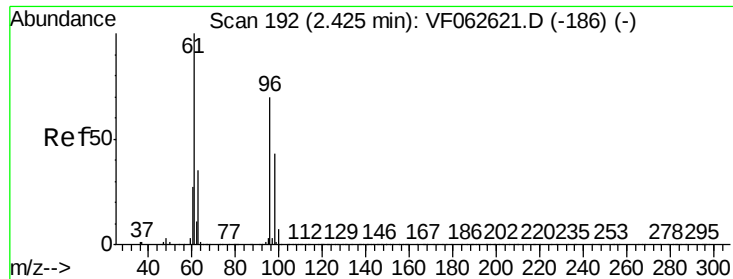
Tot Ion: 73 Resp: 322079
Ion Ratio Lower Upper
73 100
57 16.8 14.2 21.4



#20
Methylene Chloride
Concen: 22.761 ug/l m
RT: 2.30 min Scan# 179
Delta R.T. -0.04 min
Lab File: VF062655.D
Acq: 20 May 2019 12:41

Tgt Ion: 84 Resp: 194248
Ion Ratio Lower Upper
84 100
49 114.6 89.8 134.8
51 42.0 28.4 42.6
86 73.9 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 22.427 ug/l

RT: 2.44 min Scan# 193

Delta R.T. 0.01 min

Lab File: VF062655.D

Acq: 20 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VF0520SBS01

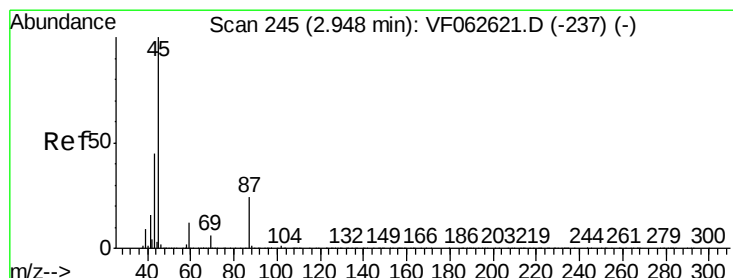
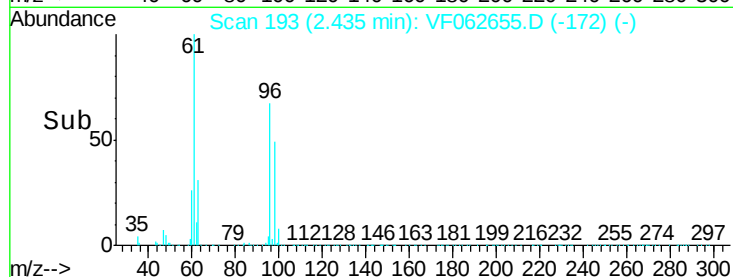
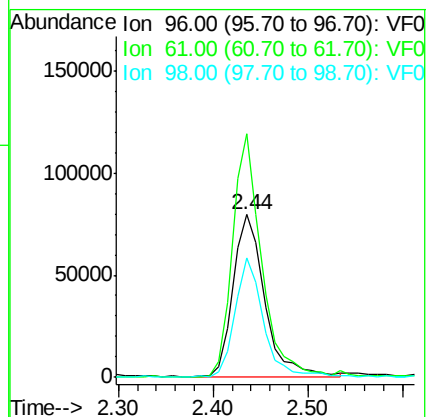
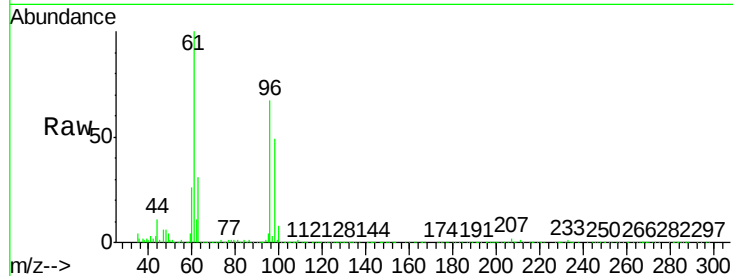
Tot Ion: 96 Resp: 182890

Ion Ratio Lower Upper

96 100

61 149.9 114.6 171.8

98 73.2 49.5 74.3



#22

Diisopropyl ether

Concen: 22.812 ug/l

RT: 2.95 min Scan# 245

Delta R.T. 0.00 min

Lab File: VF062655.D

Acq: 20 May 2019 12:41

Tgt Ion: 45 Resp: 424838

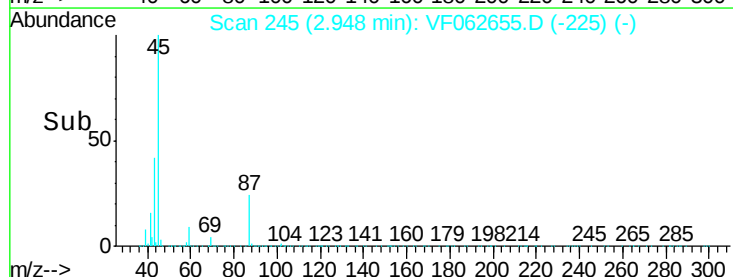
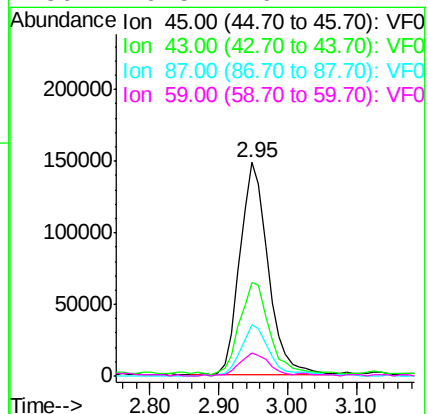
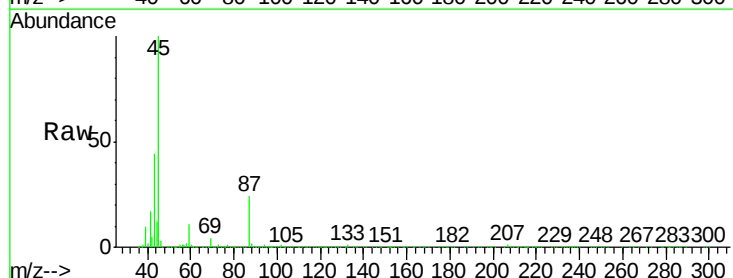
Ion Ratio Lower Upper

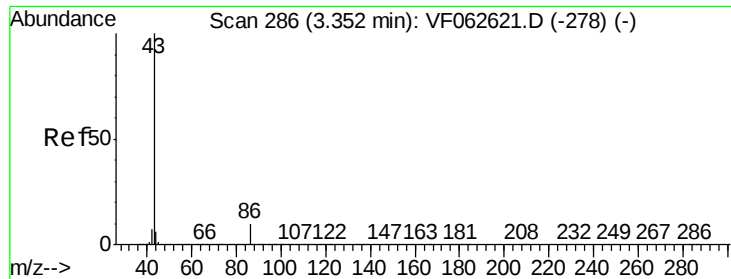
45 100

43 43.9 36.4 54.6

87 24.1 19.3 28.9

59 10.5 9.4 14.2





#23

Vinyl Acetate

Concen: 104.218 ug/l

RT: 3.36 min Scan# 287

Delta R.T. 0.01 min

Lab File: VF062655.D

Acq: 20 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

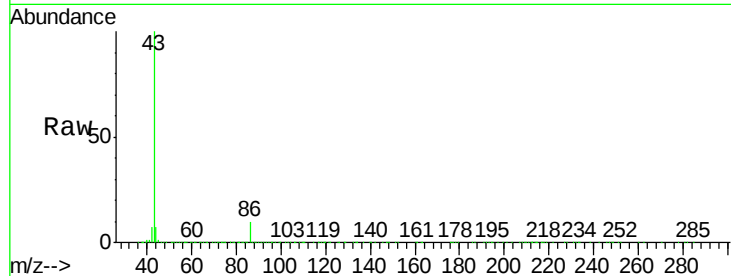
VF0520SBS01

Tot Ion: 43 Resp: 1309289

Ion Ratio Lower Upper

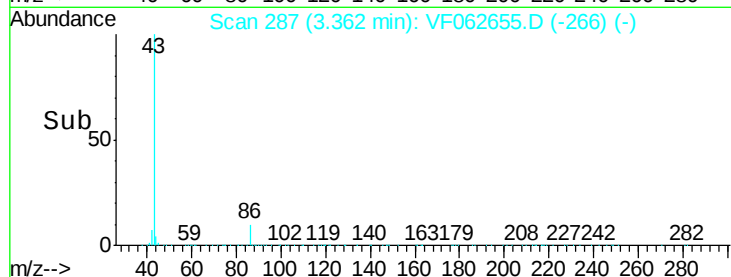
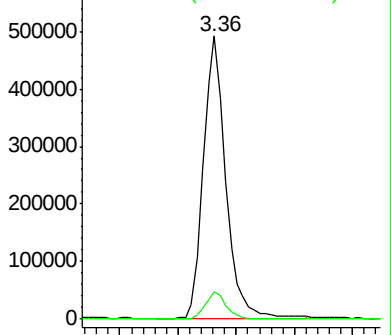
43 100

86 9.6 8.2 12.2

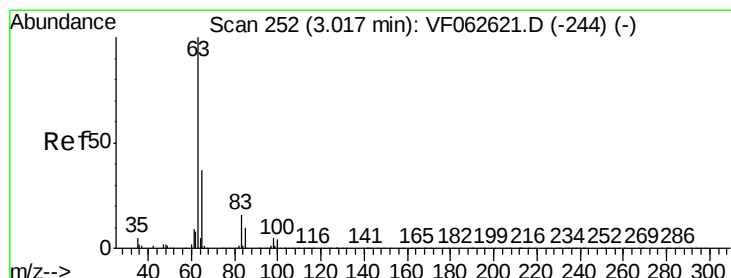


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



Time-->



#24

1,1-Dichloroethane

Concen: 21.117 ug/l

RT: 3.03 min Scan# 253

Delta R.T. 0.01 min

Lab File: VF062655.D

Acq: 20 May 2019 12:41

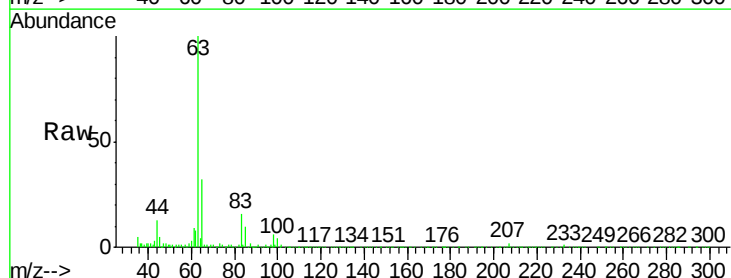
Tgt Ion: 63 Resp: 288511

Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.3

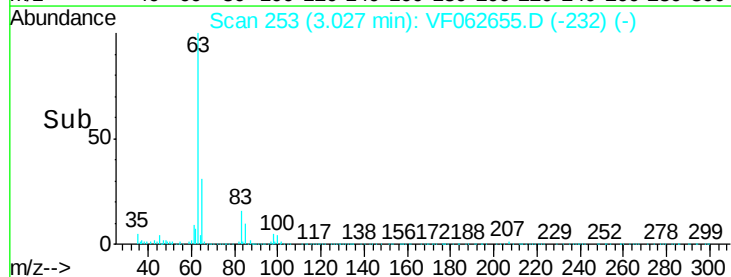
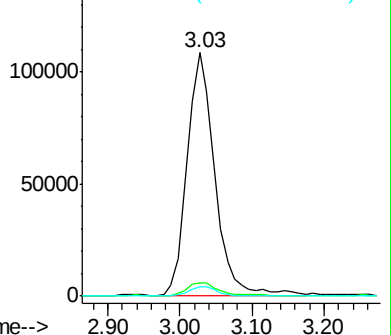
100 3.7 1.9 5.7



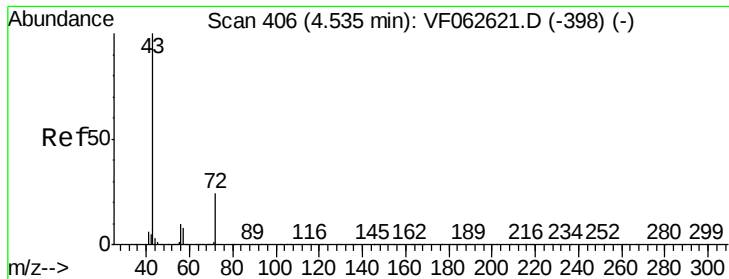
Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



Time-->



#25

2-Butanone

Concen: 98.106 ug/l

RT: 4.54 min Scan# 407

Delta R.T. 0.01 min

Lab File: VF062655.D

Acq: 20 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

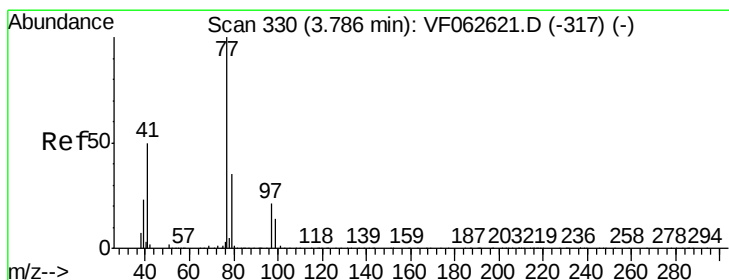
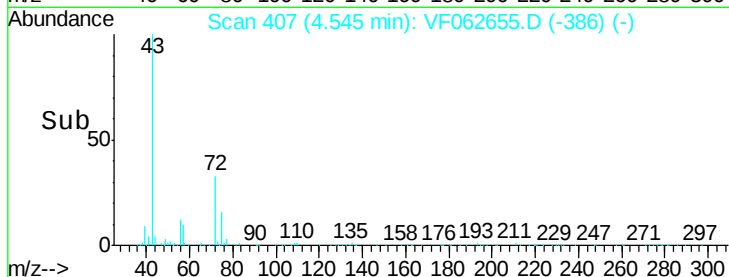
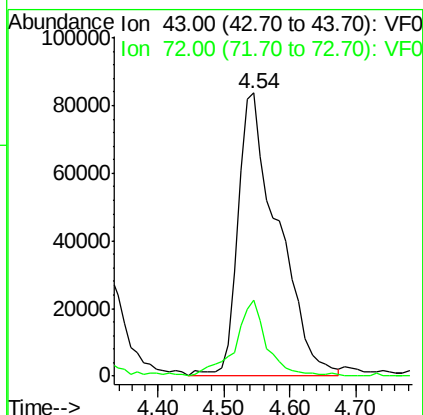
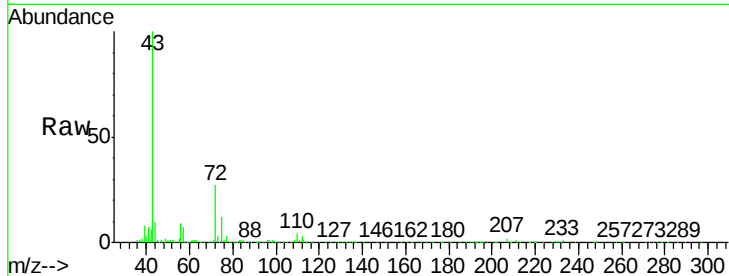
VF0520SBS01

Tot Ion: 43 Resp: 356877

Ion Ratio Lower Upper

43 100

72 26.7 20.1 30.1



#26

2,2-Dichloropropane

Concen: 23.191 ug/l

RT: 3.80 min Scan# 331

Delta R.T. 0.01 min

Lab File: VF062655.D

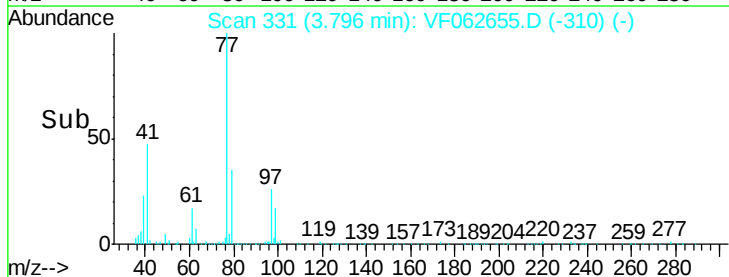
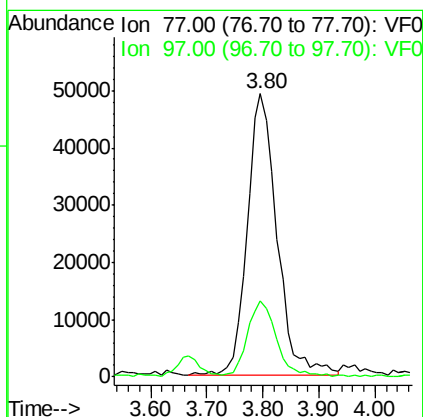
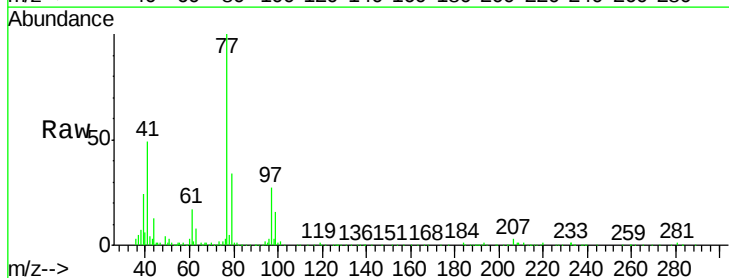
Acq: 20 May 2019 12:41

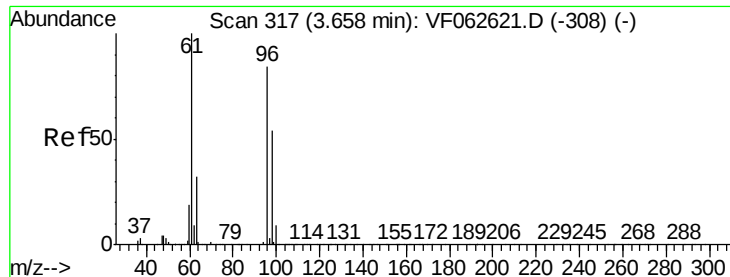
Tgt Ion: 77 Resp: 181284

Ion Ratio Lower Upper

77 100

97 26.7 14.1 42.4



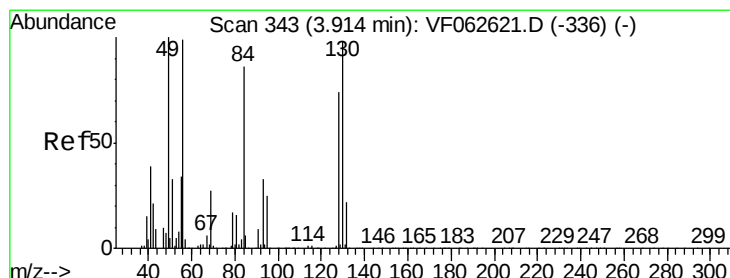
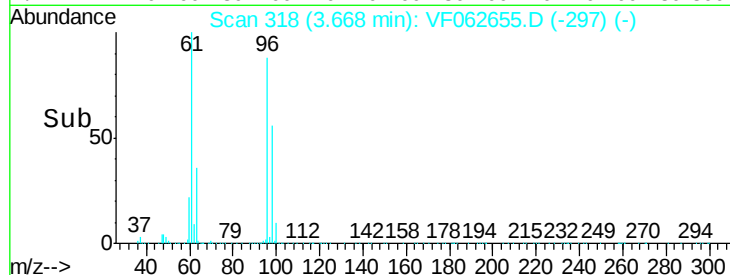
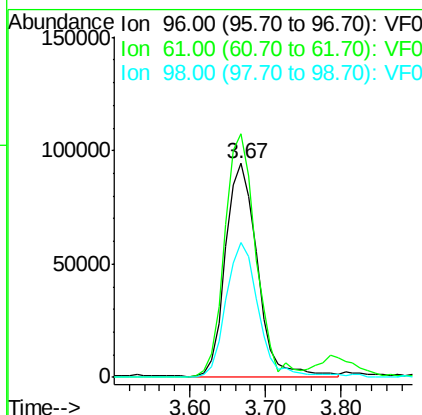
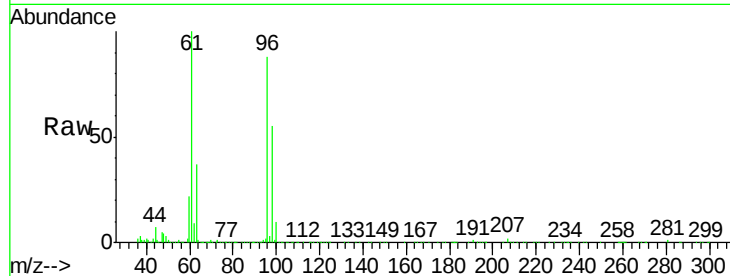


#27

cis-1,2-Dichloroethene
 Concen: 20.364 ug/l
 RT: 3.67 min Scan# 318
 Delta R.T. 0.01 min
 Lab File: VF062655.D
 Acq: 20 May 2019 12:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0520SBS01

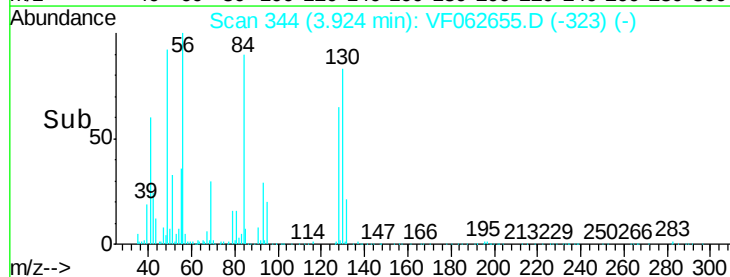
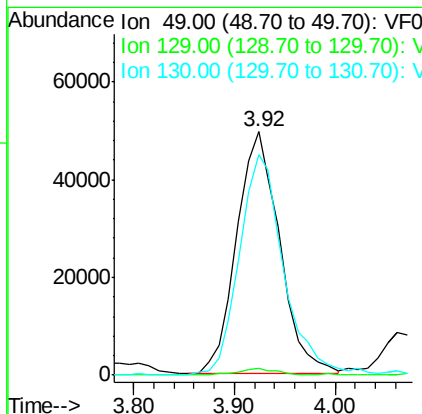
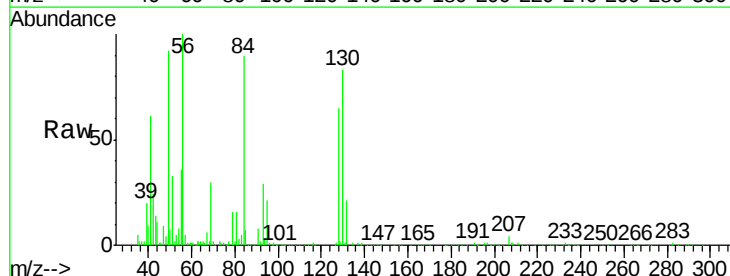
Tot Ion	Ratio	Lower	Upper
96	100		
61	113.7	0.0	237.4
98	63.0	0.0	129.0

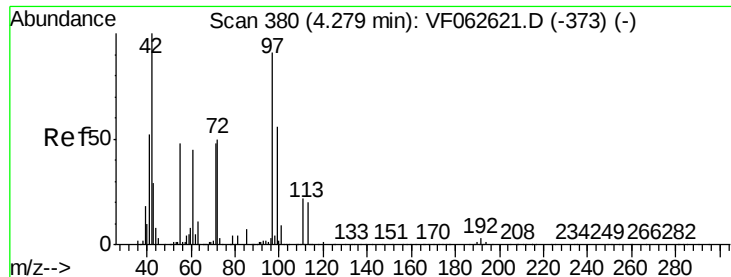


#28

Bromochloromethane
 Concen: 19.113 ug/l
 RT: 3.92 min Scan# 344
 Delta R.T. 0.01 min
 Lab File: VF062655.D
 Acq: 20 May 2019 12:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	4.0
130	90.4	77.8	116.8

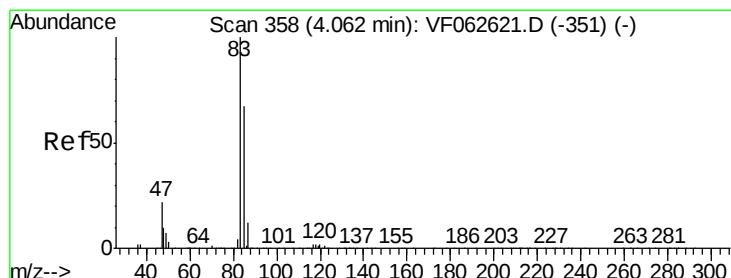
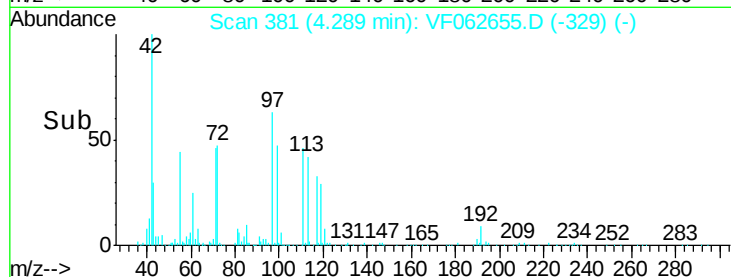
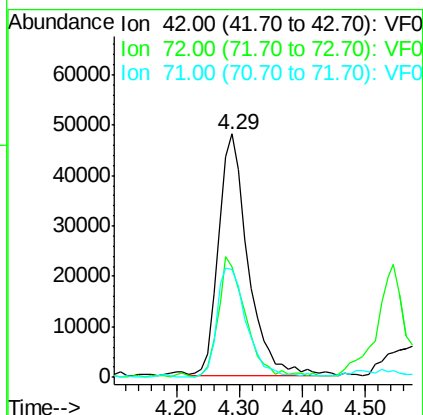
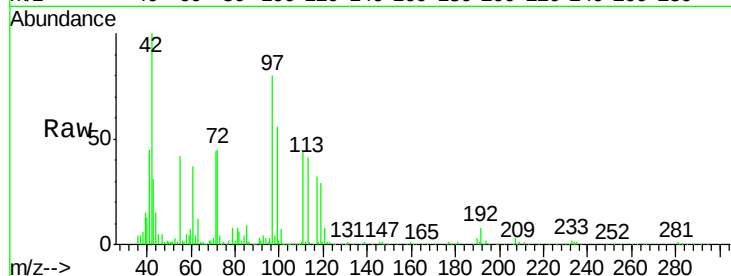




#29
Tetrahydrofuran
Concen: 106.835 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.01 min
Lab File: VF062655.D
Acq: 20 May 2019 12:41

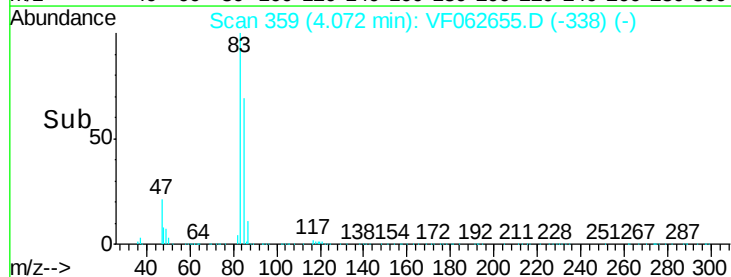
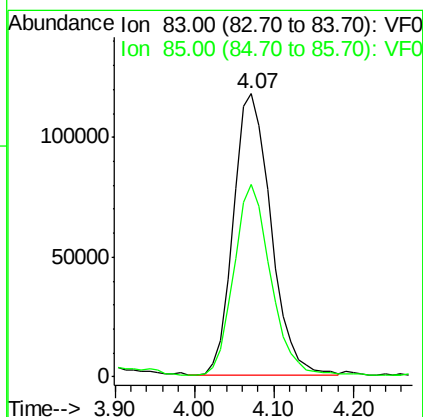
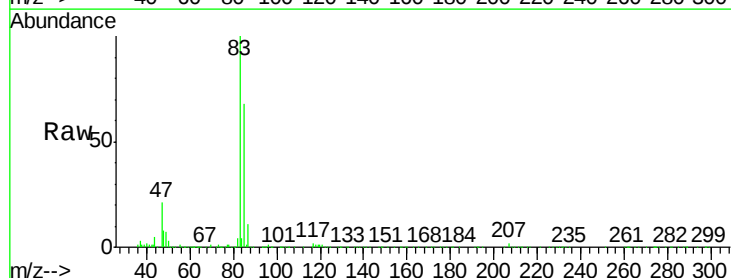
Instrument :
MSVOA_F
ClientSampleId :
VF0520SBS01

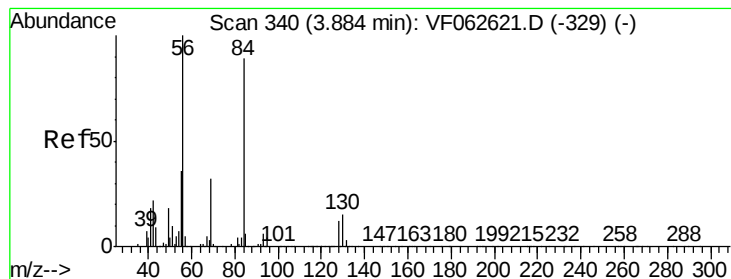
Tot Ion: 42 Resp: 157266
Ion Ratio Lower Upper
42 100
72 45.7 38.2 57.2
71 45.4 35.8 53.6



#30
Chloroform
Concen: 20.355 ug/l
RT: 4.07 min Scan# 359
Delta R.T. 0.01 min
Lab File: VF062655.D
Acq: 20 May 2019 12:41

Tgt Ion: 83 Resp: 386112
Ion Ratio Lower Upper
83 100
85 68.0 53.6 80.4





#31

Cyclohexane

Concen: 19.936 ug/l

RT: 3.89 min Scan# 341

Delta R.T. 0.01 min

Lab File: VF062655.D

Acq: 20 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VF0520SBS01

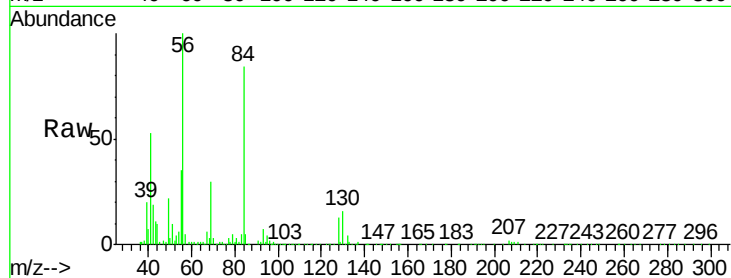
Tot Ion: 56 Resp: 365710

Ion Ratio Lower Upper

56 100

69 30.1 25.3 37.9

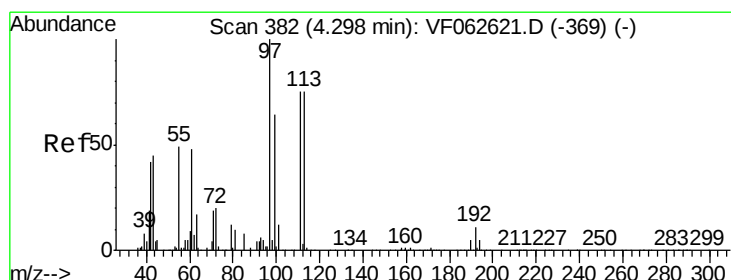
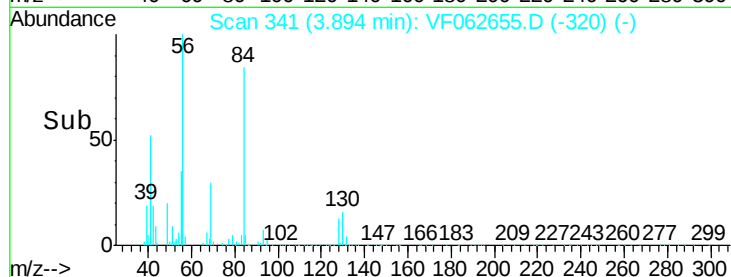
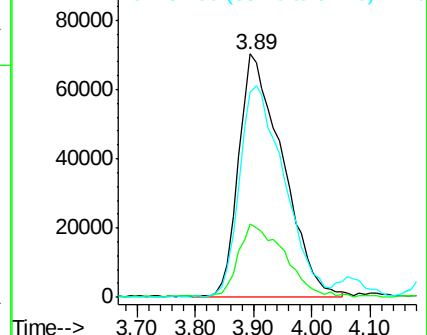
84 84.3 71.0 106.4



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 21.176 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.01 min

Lab File: VF062655.D

Acq: 20 May 2019 12:41

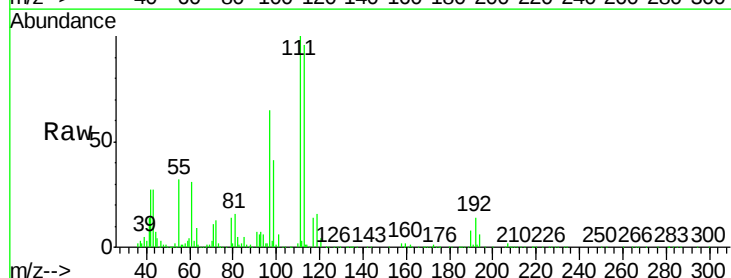
Tgt Ion: 97 Resp: 266767

Ion Ratio Lower Upper

97 100

99 63.4 51.3 76.9

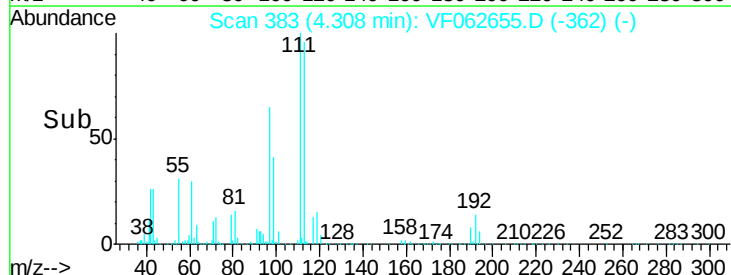
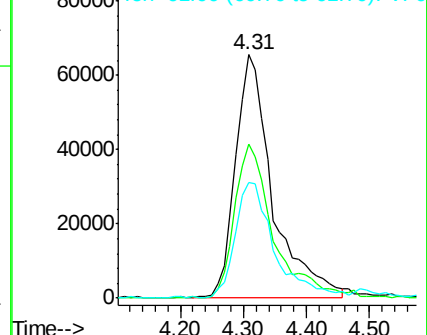
61 47.3 38.2 57.2

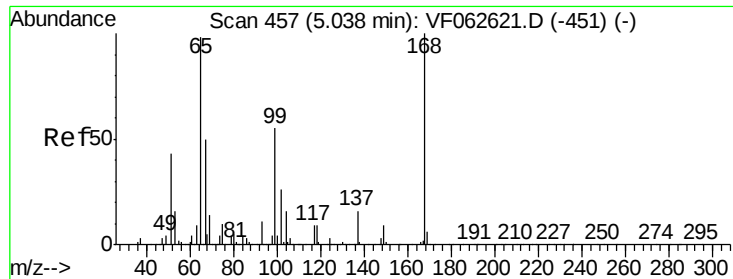


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 43.291 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.02 min

Lab File: VF062655.D

Acq: 20 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

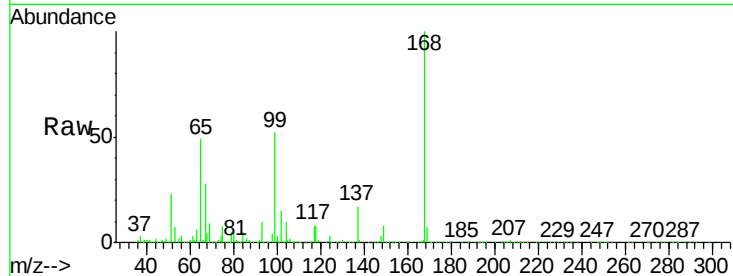
VF0520SBS01

Tot Ion: 65 Resp: 284119

Ion Ratio Lower Upper

65 100

67 56.1 0.0 117.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.06

100000

80000

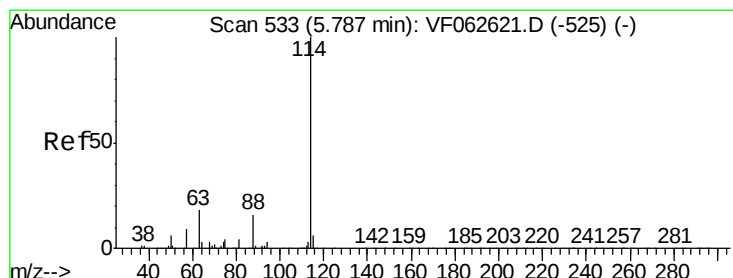
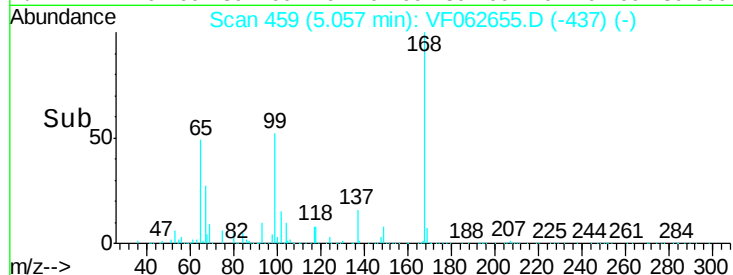
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.80 min Scan# 534

Delta R.T. 0.01 min

Lab File: VF062655.D

Acq: 20 May 2019 12:41

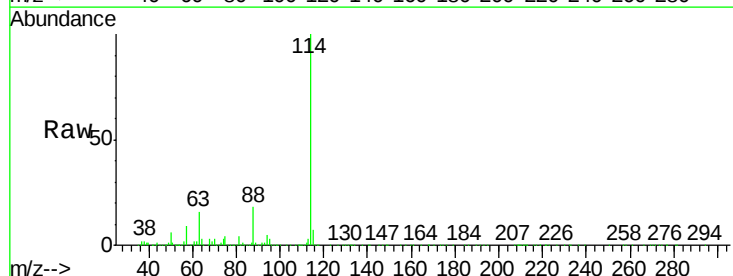
Tgt Ion: 114 Resp: 1457287

Ion Ratio Lower Upper

114 100

63 16.3 0.0 35.4

88 17.7 0.0 32.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

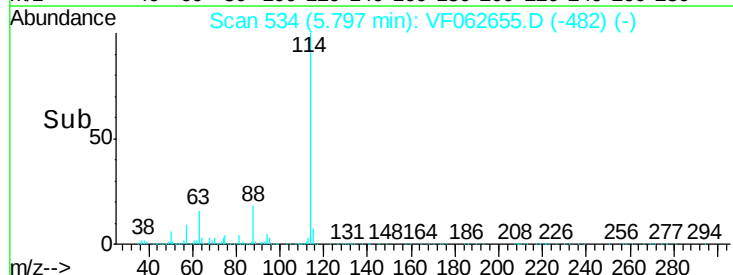
600000

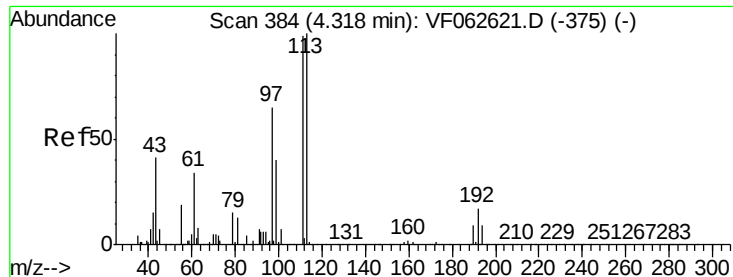
400000

200000

0

Time-->

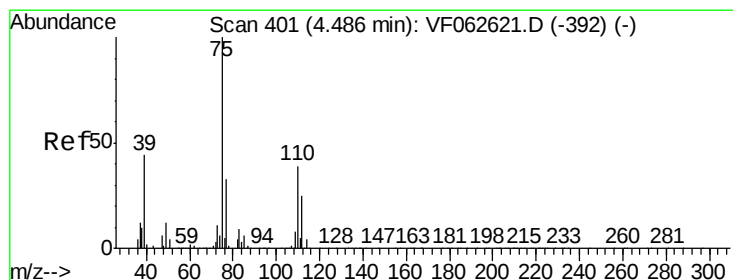
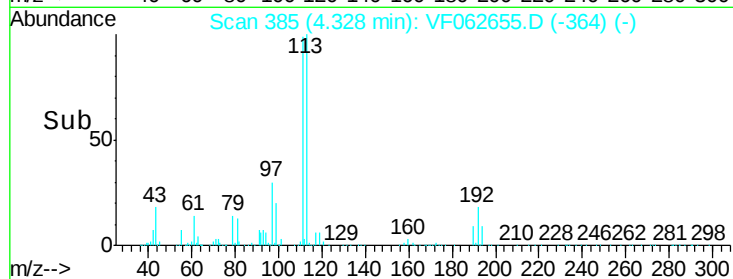
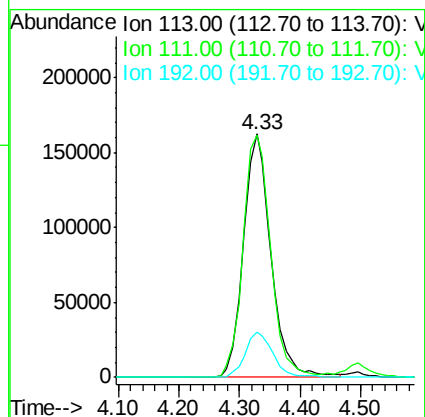
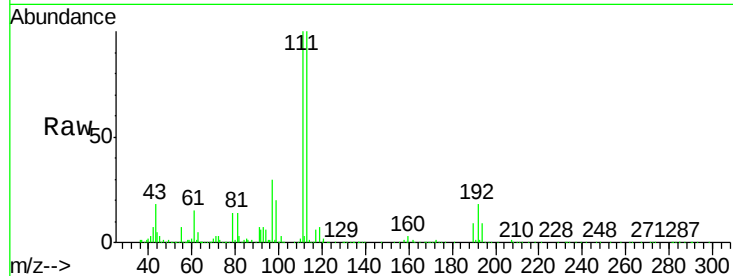




#35
 Dibromofluoromethane
 Concen: 45.805 ug/l
 RT: 4.33 min Scan# 385
 Delta R.T. 0.01 min
 Lab File: VF062655.D
 Acq: 20 May 2019 12:41

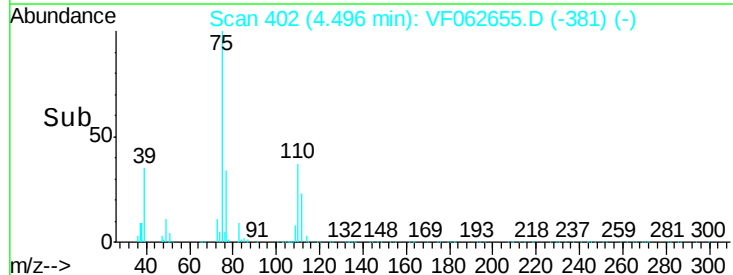
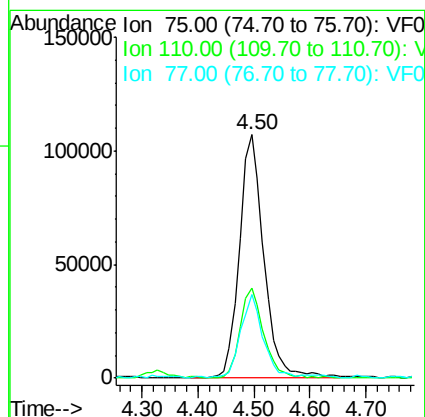
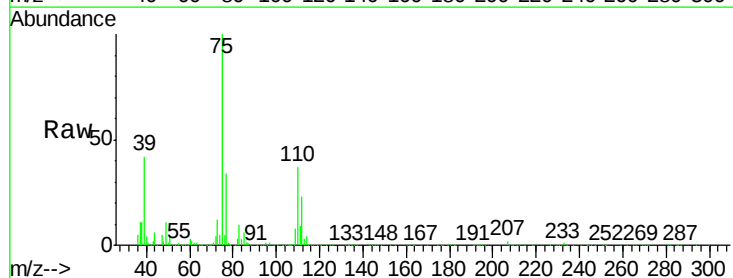
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0520SBS01

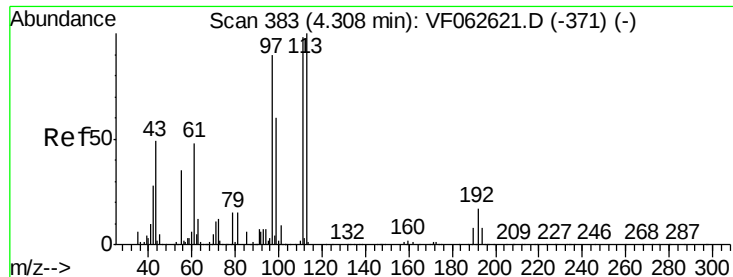
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.6	79.4	119.2
192	18.4	13.4	20.2



#36
 1,1-Dichloropropene
 Concen: 21.765 ug/l
 RT: 4.50 min Scan# 402
 Delta R.T. 0.01 min
 Lab File: VF062655.D
 Acq: 20 May 2019 12:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	19.7	59.1
77	34.1	26.3	39.5

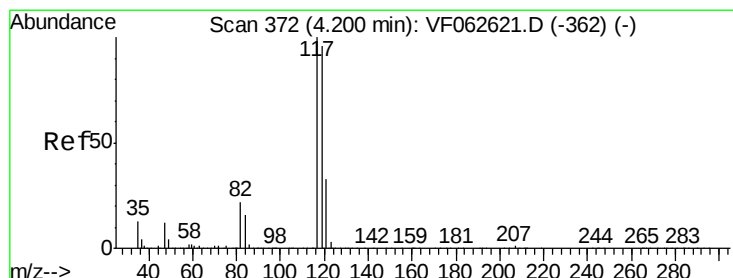
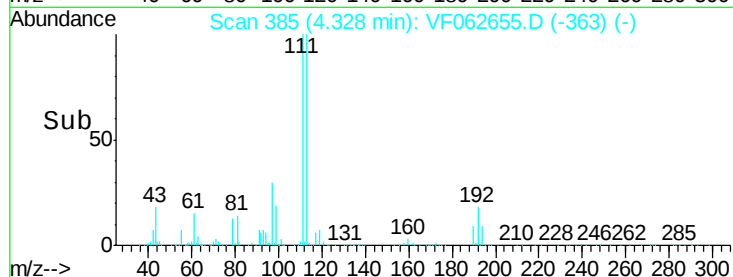
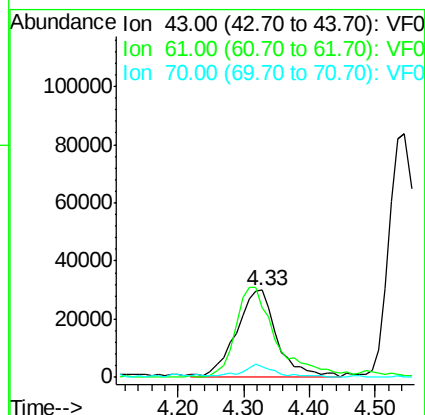
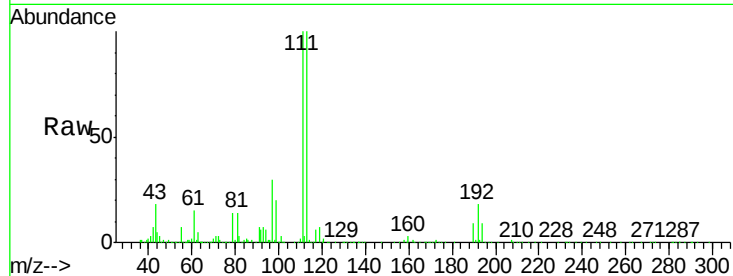




#37
Ethyl Acetate
Concen: 21.410 ug/l
RT: 4.33 min Scan# 385
Delta R.T. 0.02 min
Lab File: VF062655.D
Acq: 20 May 2019 12:41

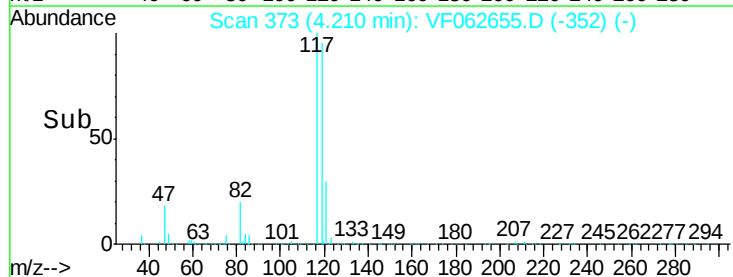
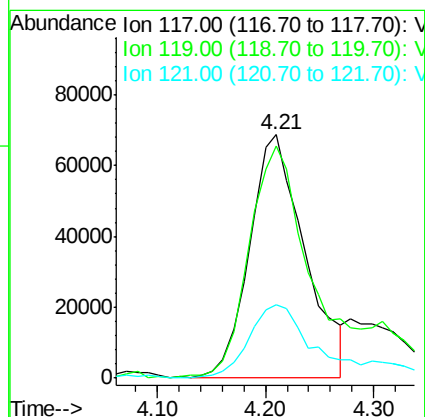
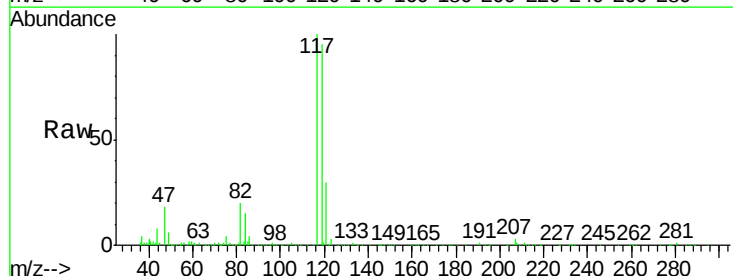
Instrument :
MSVOA_F
ClientSampleId :
VF0520SBS01

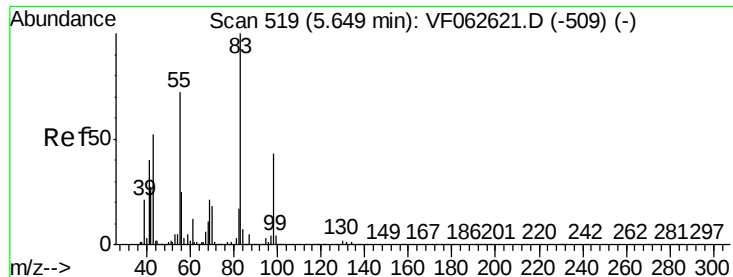
Tot Ion: 43 Resp: 130538
Ion Ratio Lower Upper
43 100
61 79.1 76.9 115.3
70 12.6 8.8 13.2



#38
Carbon Tetrachloride
Concen: 21.571 ug/l
RT: 4.21 min Scan# 373
Delta R.T. 0.01 min
Lab File: VF062655.D
Acq: 20 May 2019 12:41

Tgt Ion: 117 Resp: 242252
Ion Ratio Lower Upper
117 100
119 95.3 76.7 115.1
121 30.3 26.6 40.0

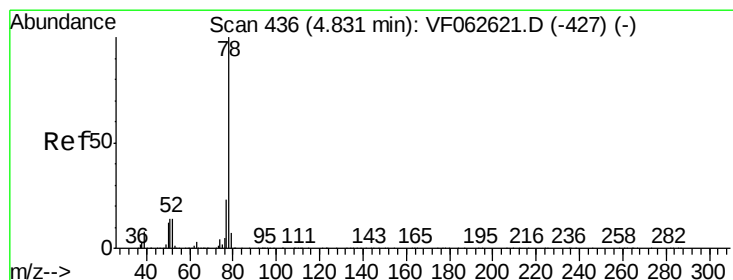
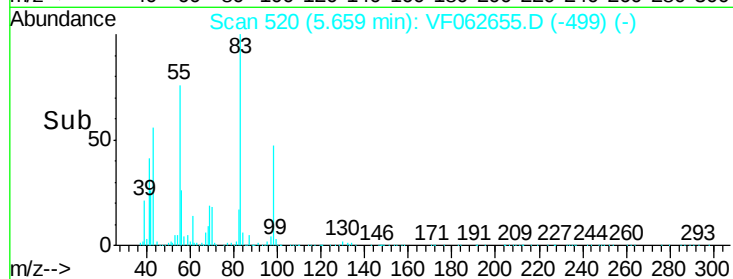
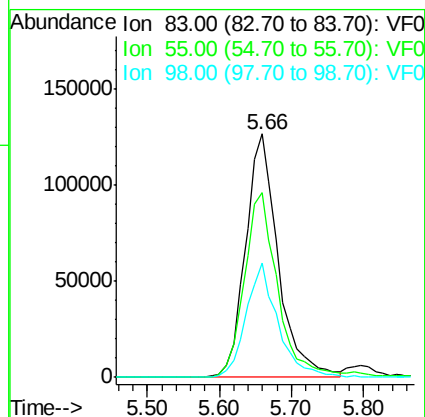
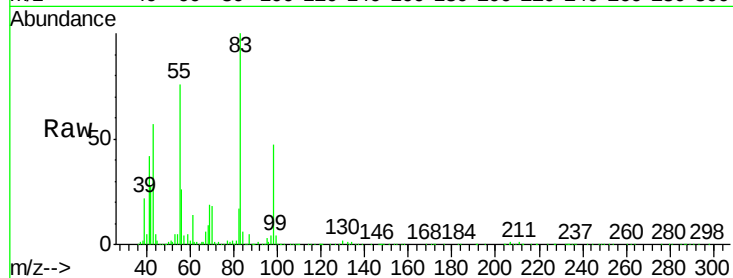




#39
Methvlcvclohexane
Concen: 22.302 ug/l
RT: 5.66 min Scan# 520
Delta R.T. 0.01 min
Lab File: VF062655.D
Acq: 20 May 2019 12:41

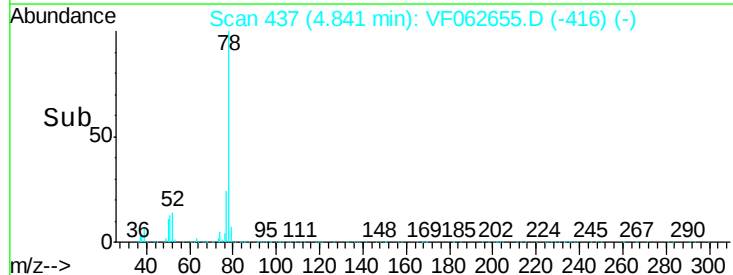
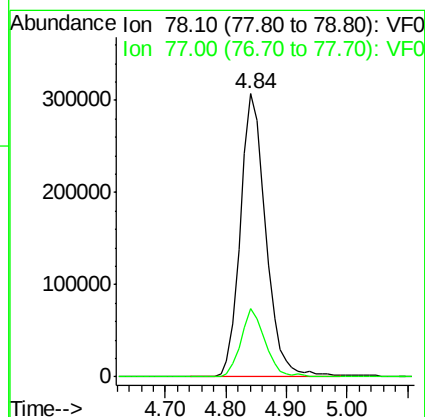
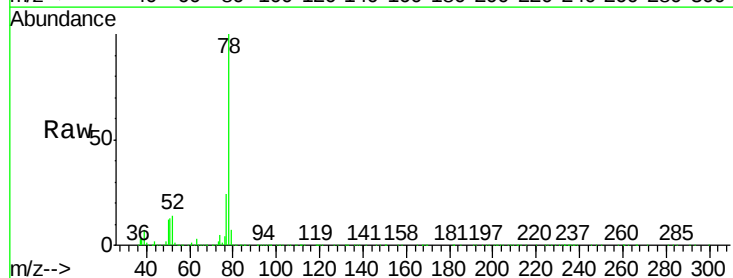
Instrument :
MSVOA_F
ClientSampleId :
VF0520SBSD01

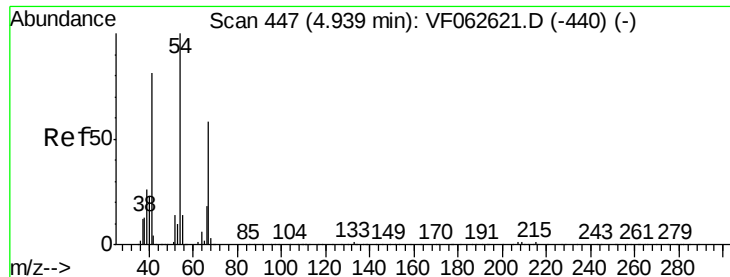
Tot Ion	83	Resp	400717
Ion Ratio	Lower	Upper	
83	100		
55	76.1	57.9	86.9
98	46.8	34.6	52.0



#40
Benzene
Concen: 22.150 ug/l
RT: 4.84 min Scan# 437
Delta R.T. 0.01 min
Lab File: VF062655.D
Acq: 20 May 2019 12:41

Tgt Ion	78	Resp	901062
Ion Ratio	Lower	Upper	
78	100		
77	23.9	18.2	27.2

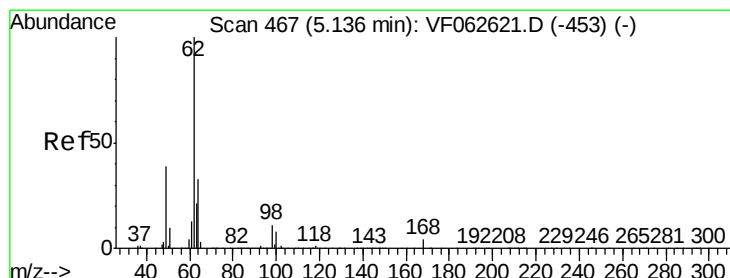
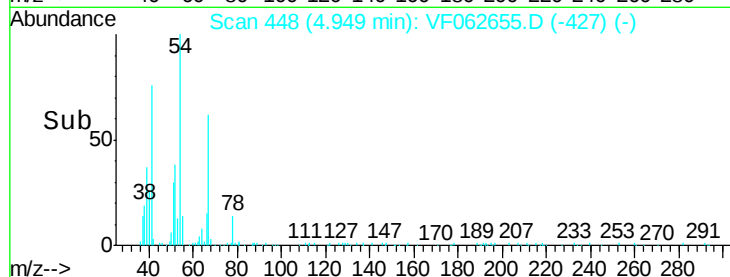
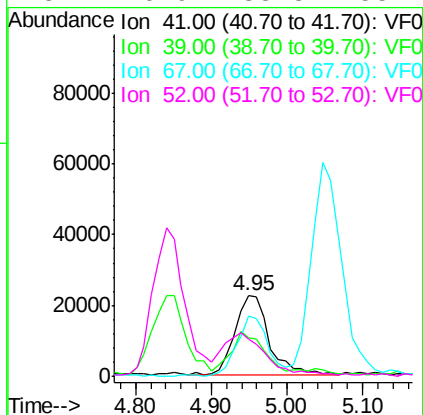
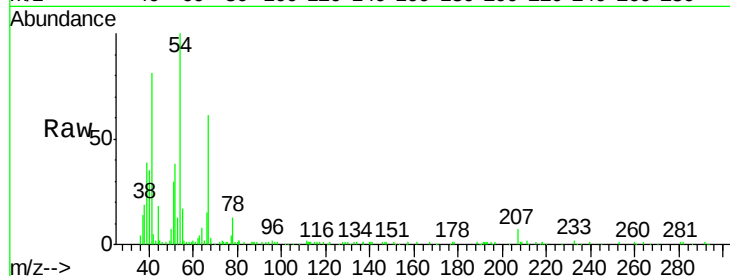




#41
Methacrylonitrile
Concen: 21.698 ug/l
RT: 4.95 min Scan# 448
Delta R.T. 0.01 min
Lab File: VF062655.D
Acq: 20 May 2019 12:41

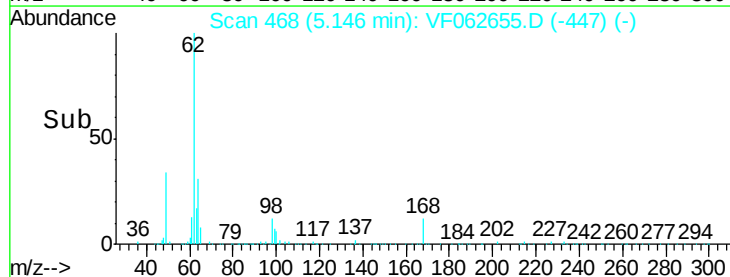
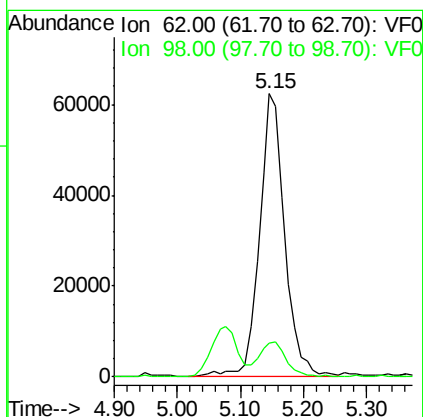
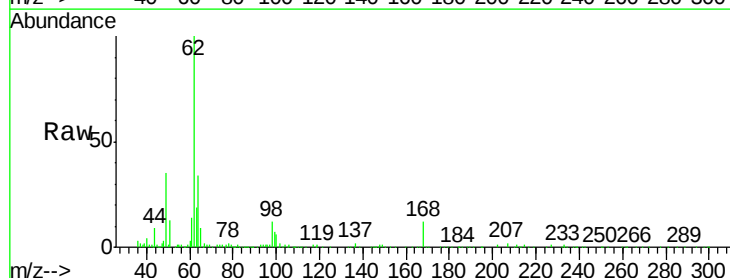
Instrument :
MSVOA_F
ClientSampleId :
VF0520SBS01

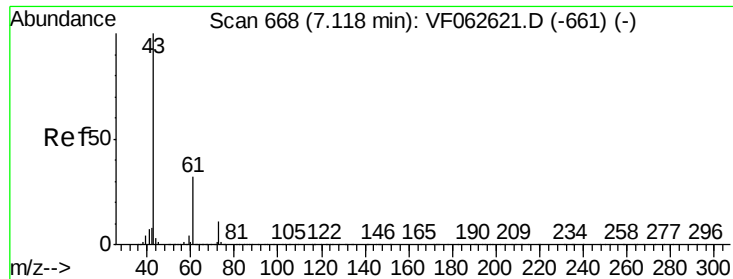
Tot Ion:	41	Resp:	69358
Ion	Ratio	Lower	Upper
41	100		
39	48.5	42.2	63.2
67	75.5	56.4	84.6
52	46.9	38.8	58.2



#42
1,2-Dichloroethane
Concen: 21.563 ug/l
RT: 5.15 min Scan# 468
Delta R.T. 0.01 min
Lab File: VF062655.D
Acq: 20 May 2019 12:41

Tgt Ion:	62	Resp:	174924
Ion	Ratio	Lower	Upper
62	100		
98	12.1	0.0	21.6



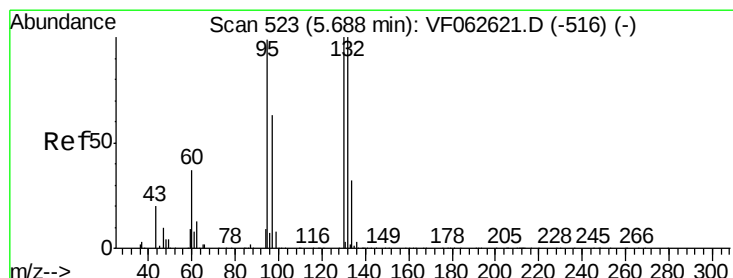
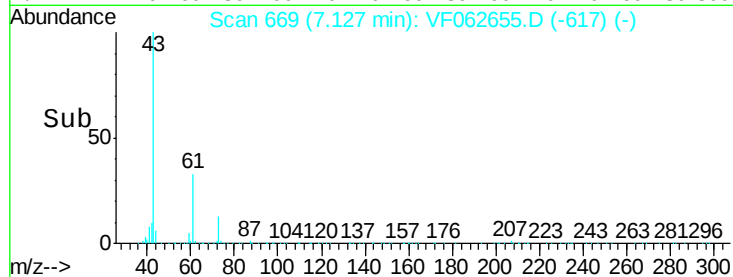
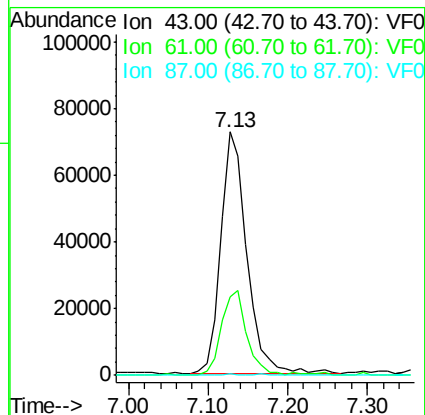
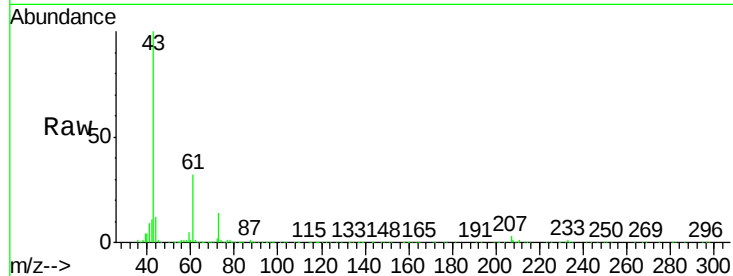


#43

Isopropyl Acetate
 Concen: 21.301 ug/l
 RT: 7.13 min Scan# 669
 Delta R.T. 0.01 min
 Lab File: VF062655.D
 Acq: 20 May 2019 12:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0520SBS01

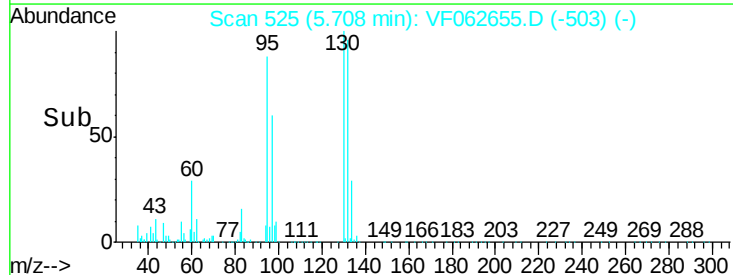
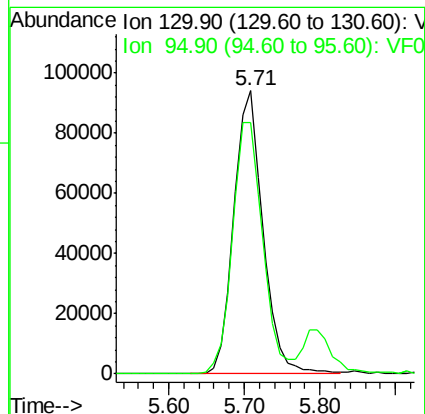
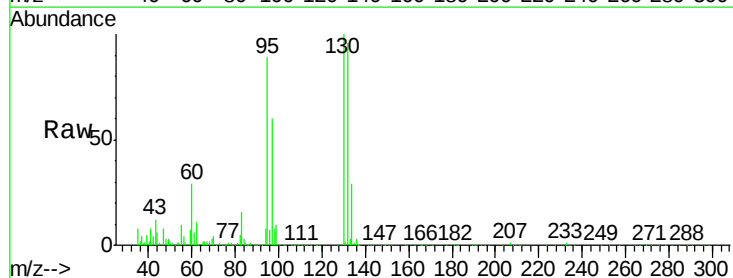
Tot Ion: 43 Resp: 168255
 Ion Ratio Lower Upper
 43 100
 61 32.2 25.8 38.8
 87 0.9 0.4 0.6#

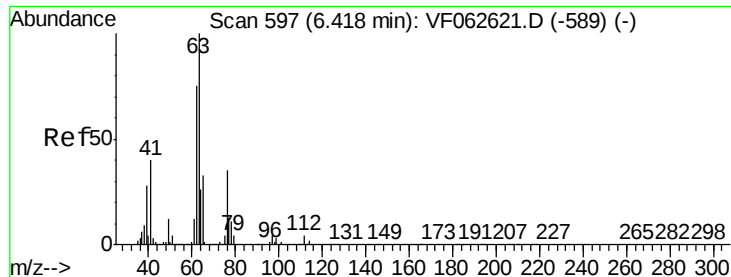


#44

Trichloroethene
 Concen: 21.935 ug/l
 RT: 5.71 min Scan# 525
 Delta R.T. 0.02 min
 Lab File: VF062655.D
 Acq: 20 May 2019 12:41

Tgt Ion: 130 Resp: 250796
 Ion Ratio Lower Upper
 130 100
 95 88.6 0.0 199.4





#45

1,2-Dichloropropane

Concen: 21.360 ug/l

RT: 6.43 min Scan# 598

Delta R.T. 0.01 min

Lab File: VF062655.D

Acq: 20 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

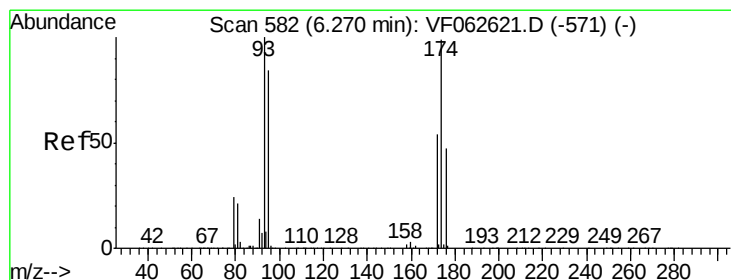
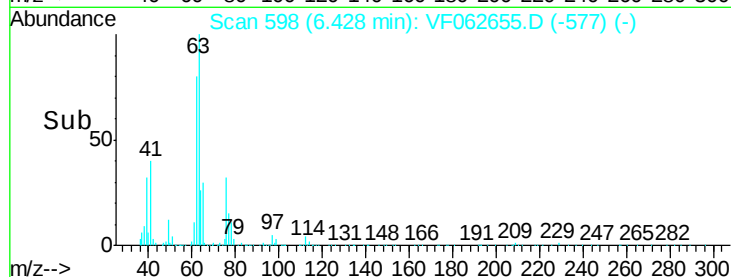
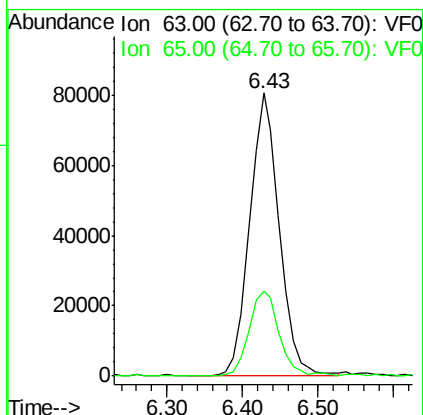
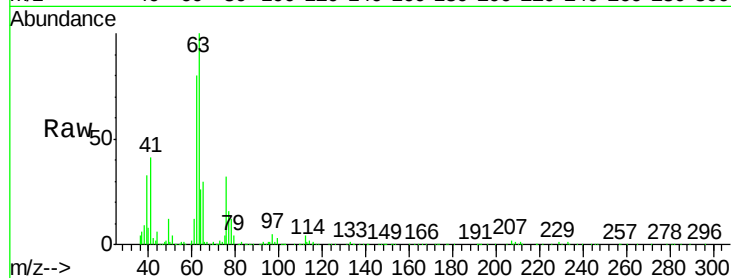
VF0520SBS01

Tot Ion: 63 Resp: 219354

Ion Ratio Lower Upper

63 100

65 30.2 26.3 39.5



#46

Dibromomethane

Concen: 22.162 ug/l

RT: 6.28 min Scan# 583

Delta R.T. 0.01 min

Lab File: VF062655.D

Acq: 20 May 2019 12:41

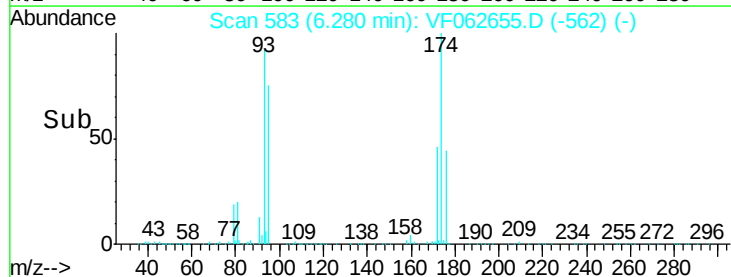
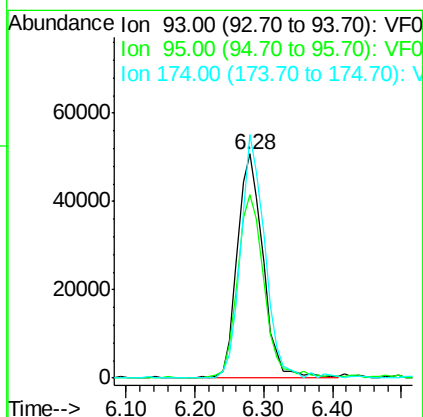
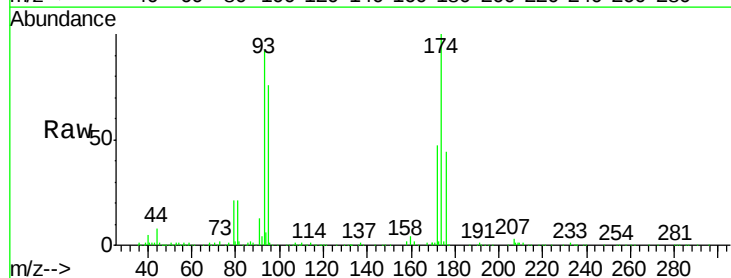
Tgt Ion: 93 Resp: 131528

Ion Ratio Lower Upper

93 100

95 83.6 67.4 101.2

174 108.6 79.4 119.2





#47

Bromodichloromethane

Concen: 22.212 ug/l

RT: 6.58 min Scan# 613

Delta R.T. 0.01 min

Lab File: VF062655.D

Acq: 20 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VF0520SBS01

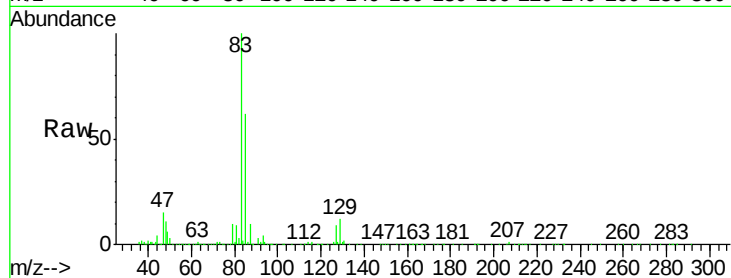
Tot Ion: 83 Resp: 273666

Ion Ratio Lower Upper

83 100

85 62.3 52.0 78.0

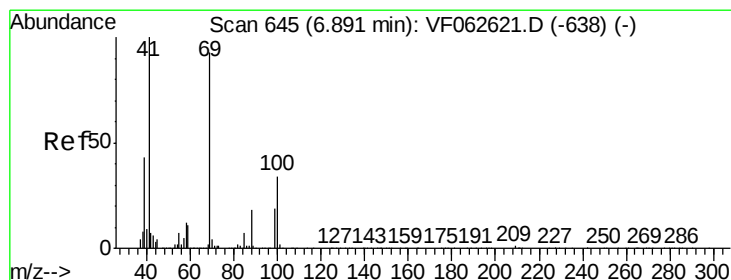
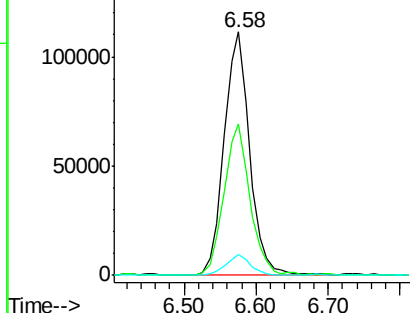
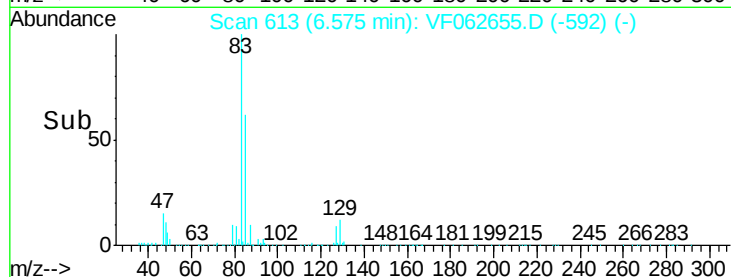
127 9.5 7.7 11.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 21.961 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.00 min

Lab File: VF062655.D

Acq: 20 May 2019 12:41

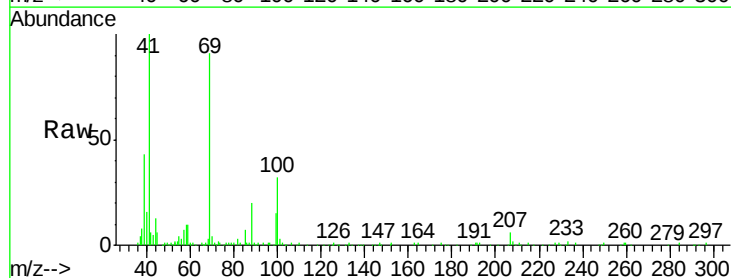
Tgt Ion: 41 Resp: 90670

Ion Ratio Lower Upper

41 100

69 90.8 74.2 111.2

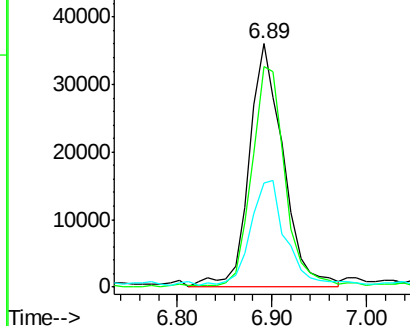
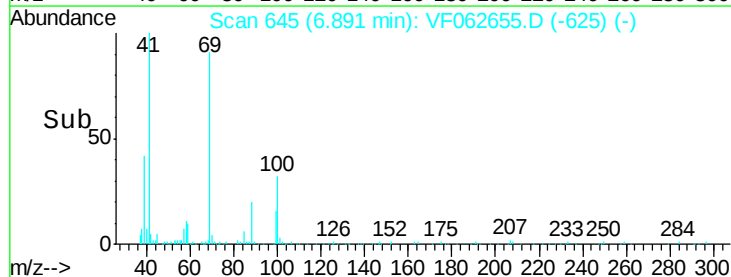
39 42.7 34.2 51.4

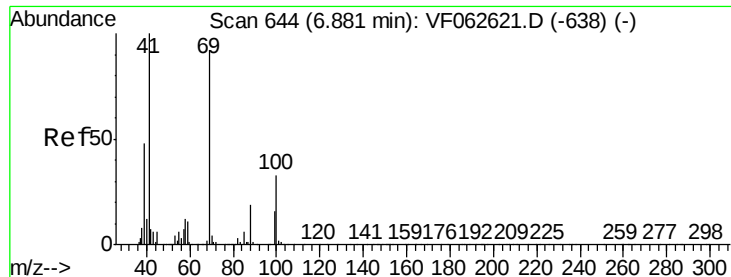


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

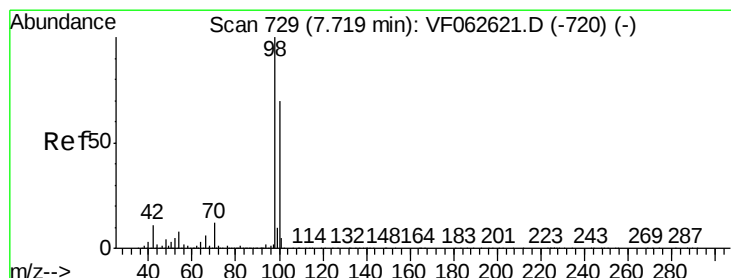
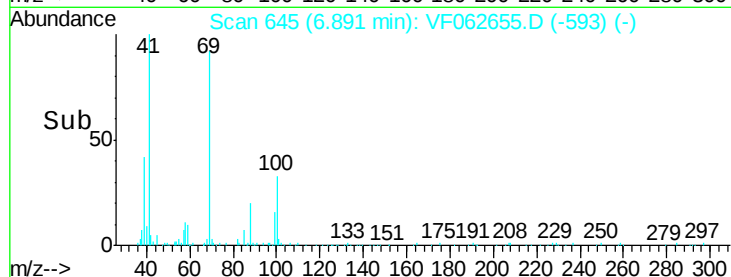
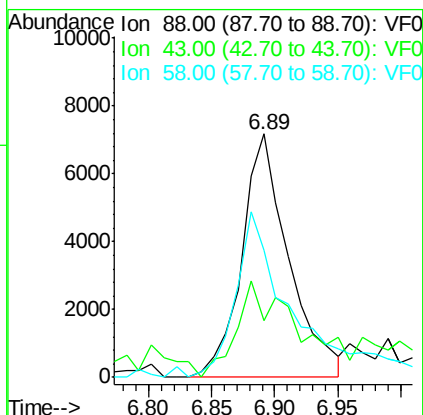
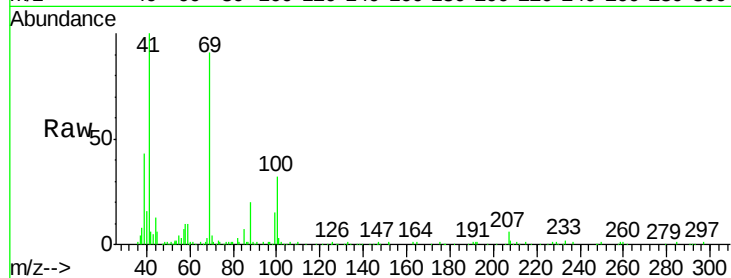




#49
1,4-Dioxane
Concen: 352.236 ug/l
RT: 6.89 min Scan# 645
Delta R.T. 0.01 min
Lab File: VF062655.D
Acq: 20 May 2019 12:41

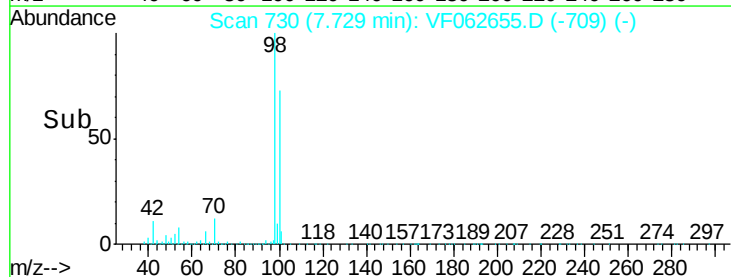
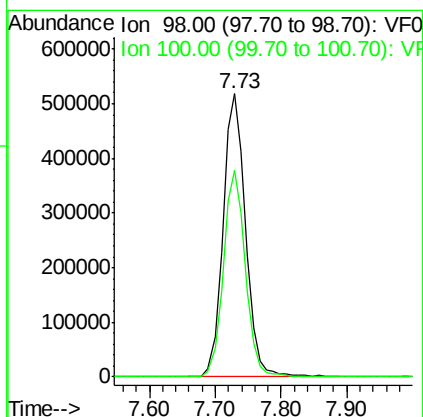
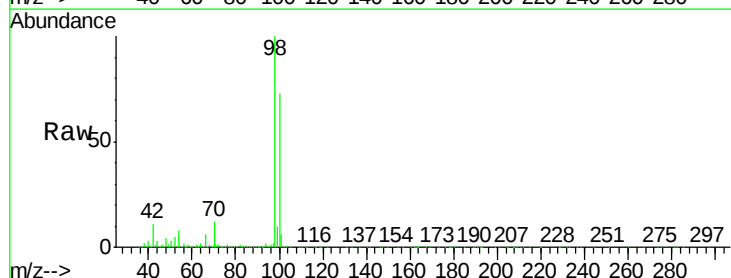
Instrument :
MSVOA_F
ClientSampleId :
VF0520SBS01

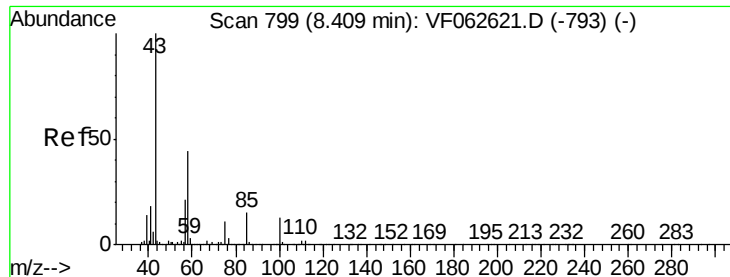
Tot Ion: 88 Resp: 18626
Ion Ratio Lower Upper
88 100
43 23.5 30.0 45.0#
58 52.2 51.1 76.7



#50
Toluene-d8
Concen: 46.667 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.01 min
Lab File: VF062655.D
Acq: 20 May 2019 12:41

Tgt Ion: 98 Resp: 1242496
Ion Ratio Lower Upper
98 100
100 73.2 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 117.253 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.01 min

Lab File: VF062655.D

Acq: 20 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

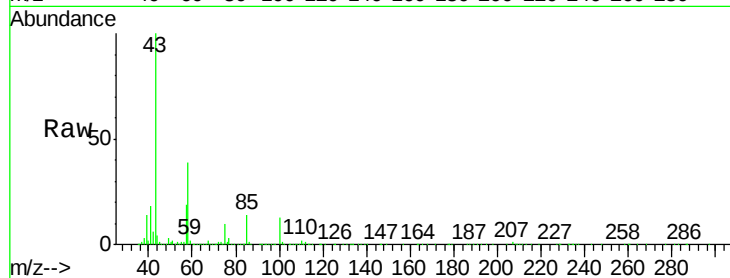
VF0520SBS01

Tot Ion: 43 Resp: 633075

Ion Ratio Lower Upper

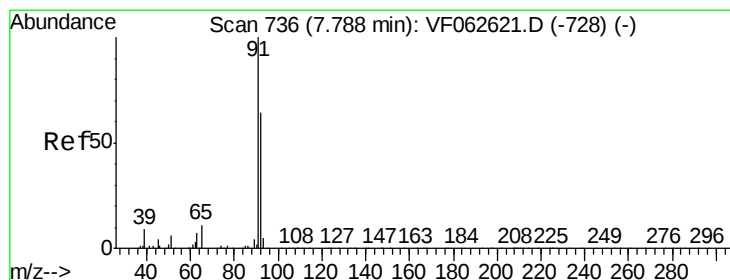
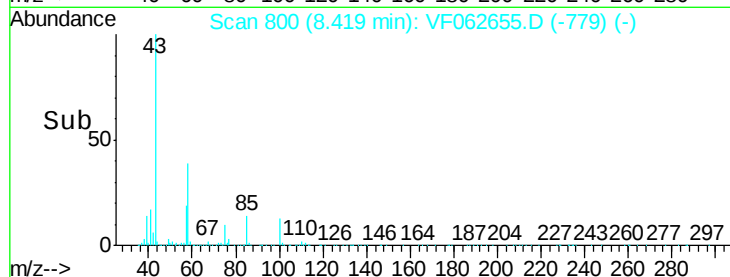
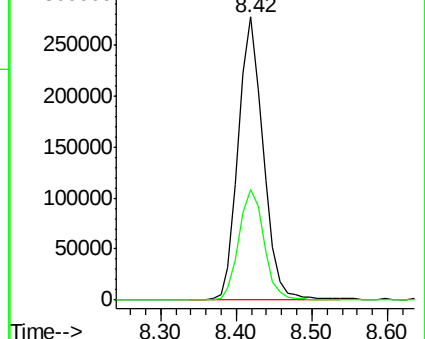
43 100

58 39.0 34.9 52.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.279 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.01 min

Lab File: VF062655.D

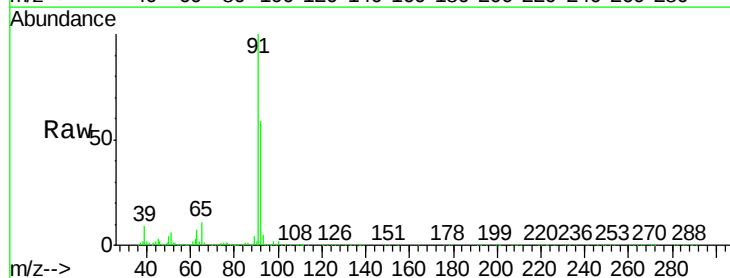
Acq: 20 May 2019 12:41

Tgt Ion: 92 Resp: 453992

Ion Ratio Lower Upper

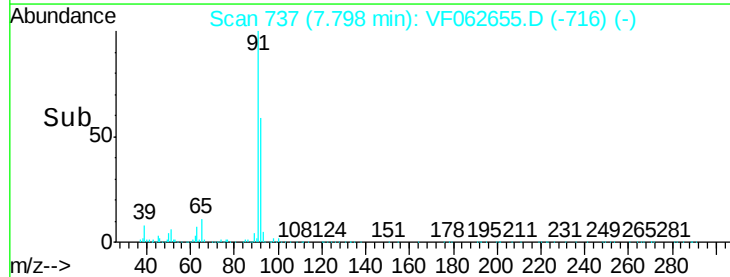
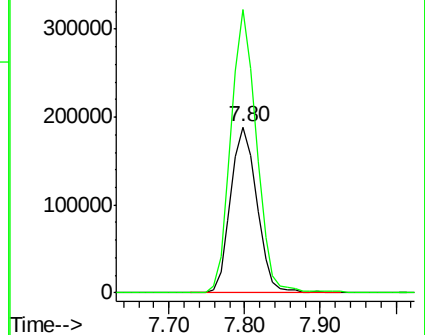
92 100

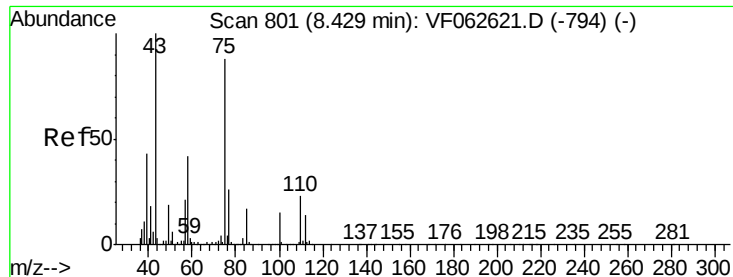
91 170.9 125.4 188.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 24.152 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.01 min

Lab File: VF062655.D

Acq: 20 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

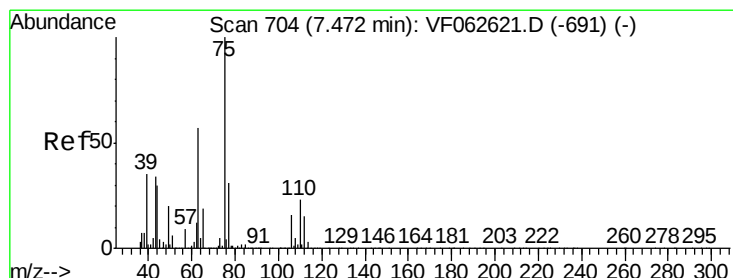
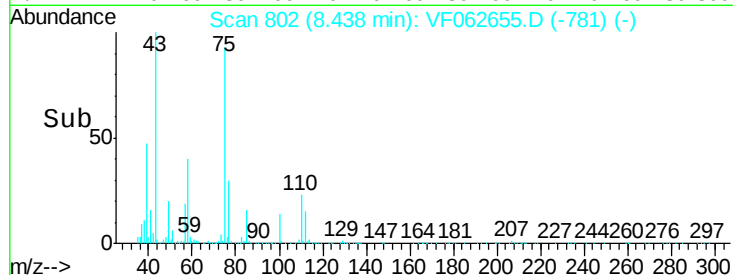
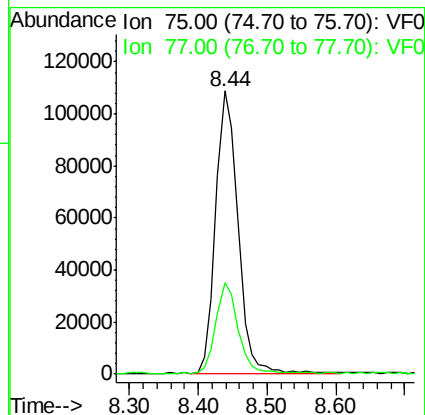
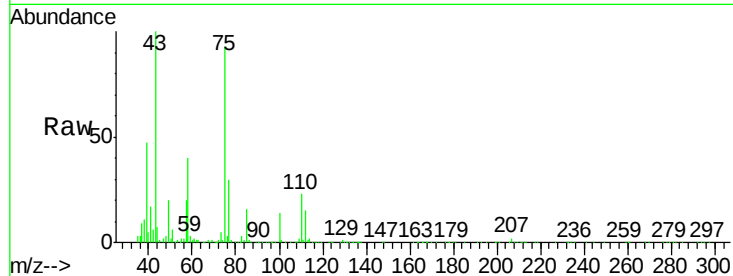
VF0520SBS01

Tot Ion: 75 Resp: 243451

Ion Ratio Lower Upper

75 100

77 32.3 24.2 36.4



#54

cis-1,3-Dichloropropene

Concen: 22.637 ug/l

RT: 7.48 min Scan# 705

Delta R.T. 0.01 min

Lab File: VF062655.D

Acq: 20 May 2019 12:41

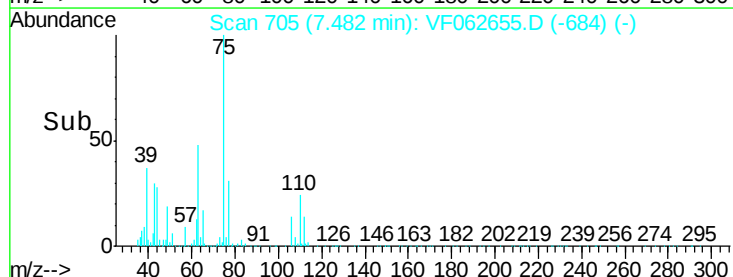
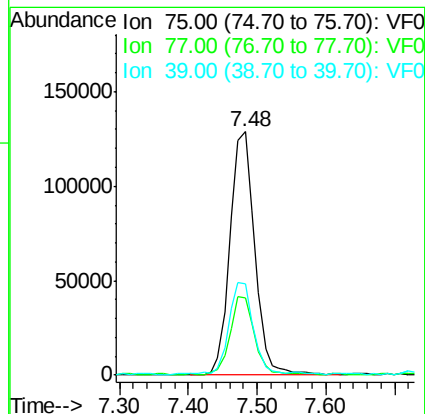
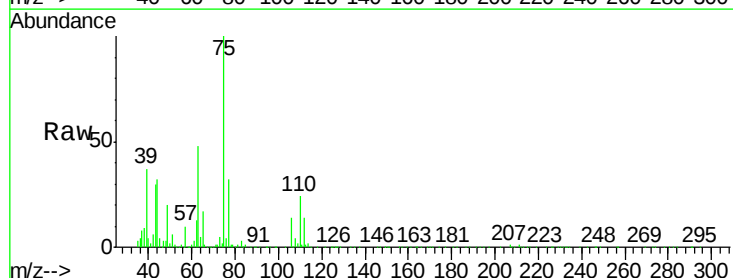
Tgt Ion: 75 Resp: 319411

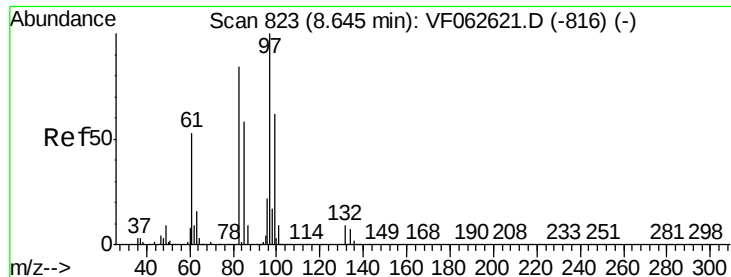
Ion Ratio Lower Upper

75 100

77 31.9 25.3 37.9

39 37.3 28.2 42.2





#55

1,1,2-Trichloroethane

Concen: 23.070 ug/l

RT: 8.66 min Scan# 824

Delta R.T. 0.01 min

Lab File: VF062655.D

Acq: 20 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VF0520SBS01

Tot Ion: 97 Resp: 145730

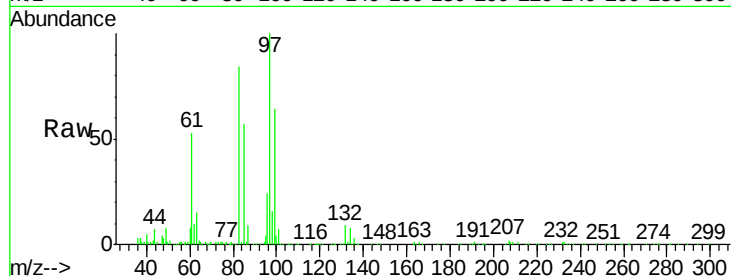
Ion Ratio Lower Upper

97 100

83 83.8 67.3 100.9

85 56.6 46.6 69.8

99 64.2 49.7 74.5

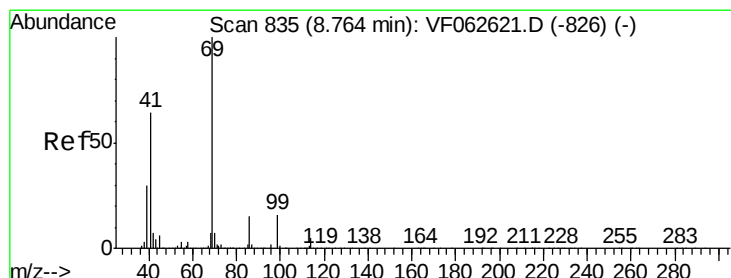
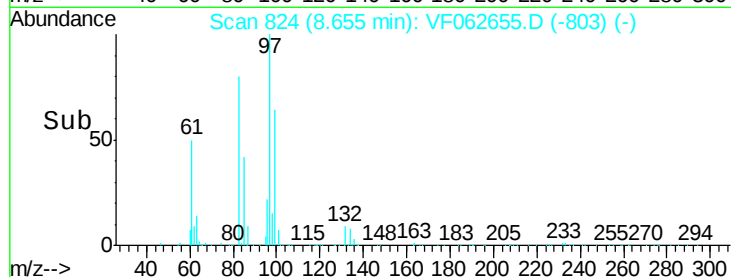
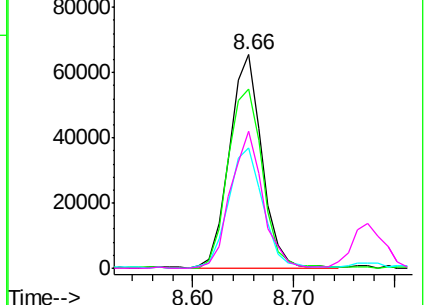


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 22.803 ug/l

RT: 8.77 min Scan# 836

Delta R.T. 0.01 min

Lab File: VF062655.D

Acq: 20 May 2019 12:41

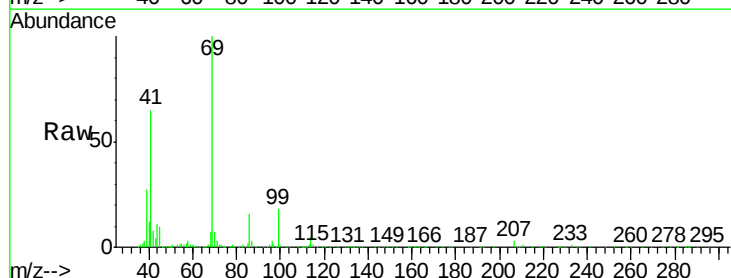
Tgt Ion: 69 Resp: 171611

Ion Ratio Lower Upper

69 100

41 64.5 51.4 77.2

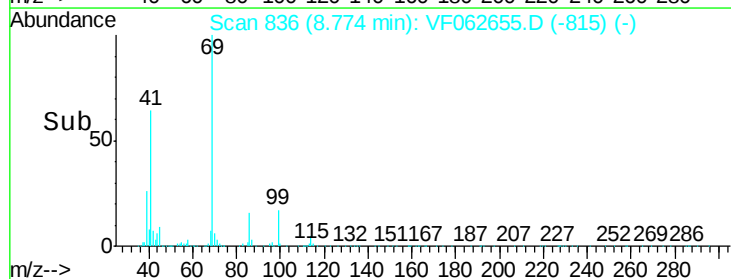
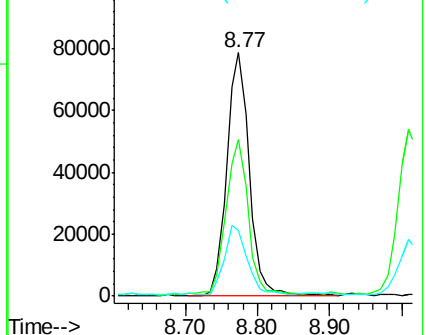
39 27.1 23.6 35.4

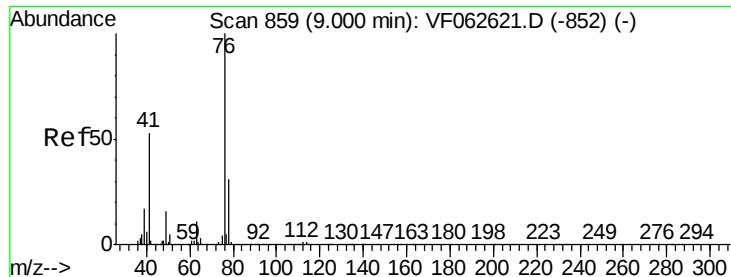


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 21.819 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.01 min

Lab File: VF062655.D

Acq: 20 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

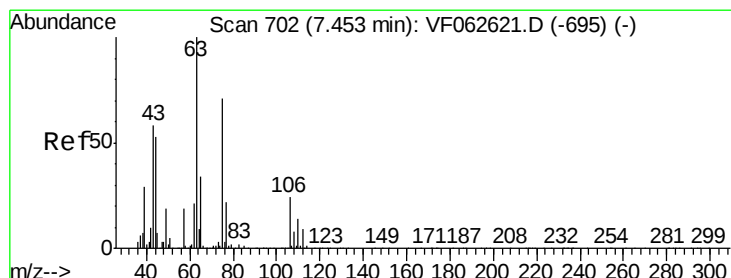
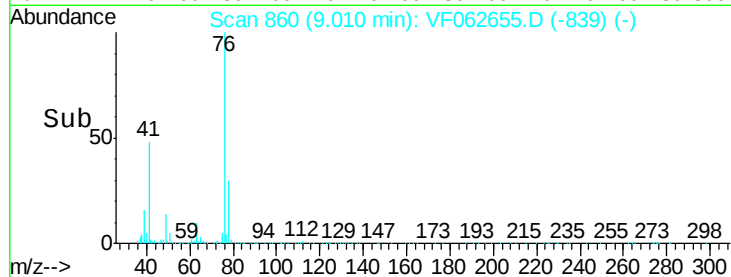
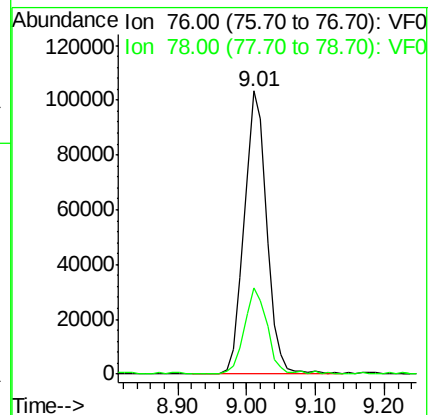
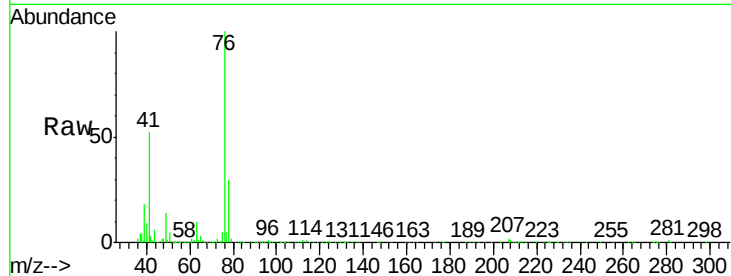
VF0520SBS01

Tot Ion: 76 Resp: 234760

Ion Ratio Lower Upper

76 100

78 30.3 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 103.109 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF062655.D

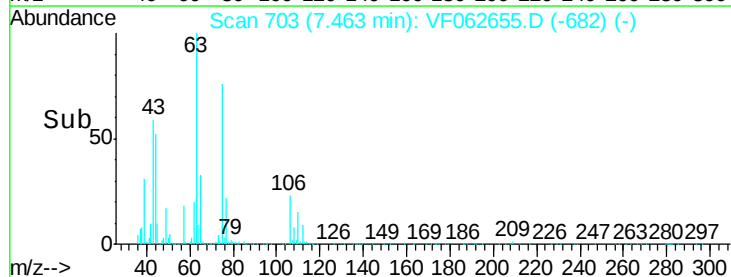
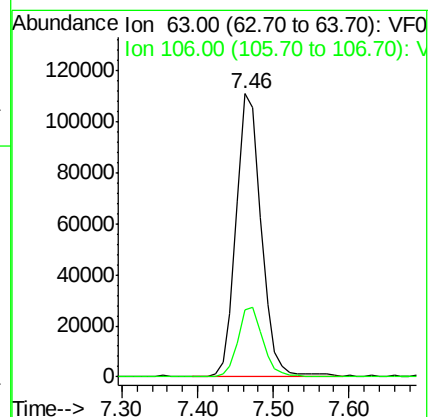
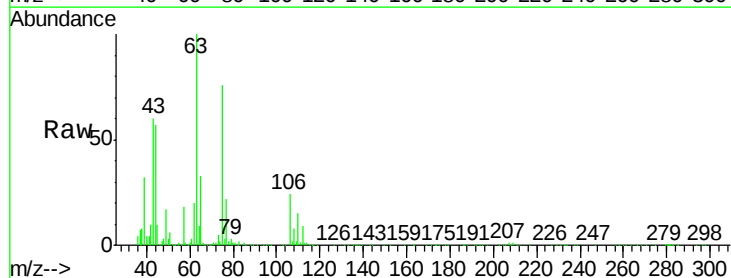
Acq: 20 May 2019 12:41

Tgt Ion: 63 Resp: 252582

Ion Ratio Lower Upper

63 100

106 23.5 19.1 28.7

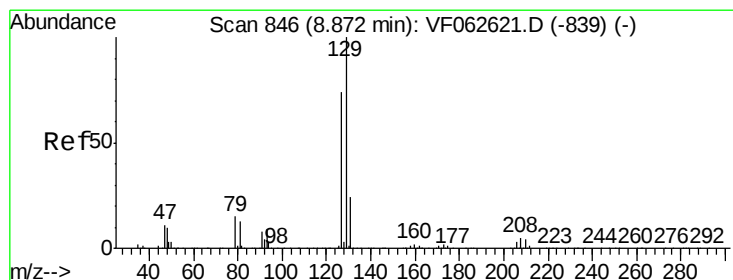
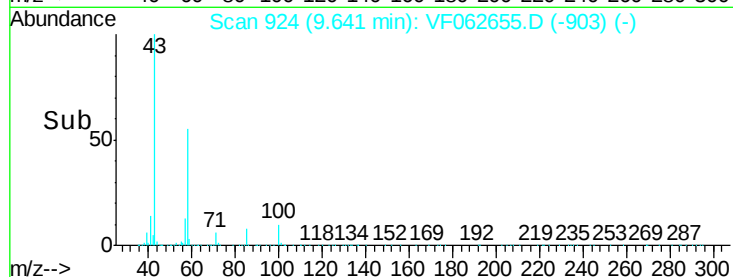
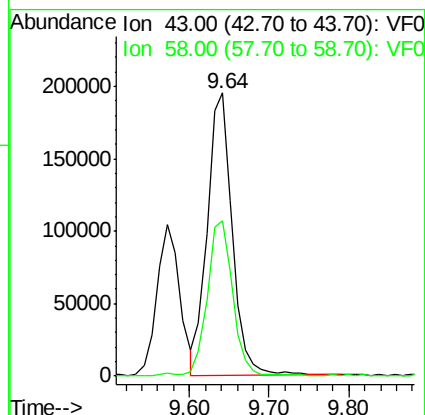
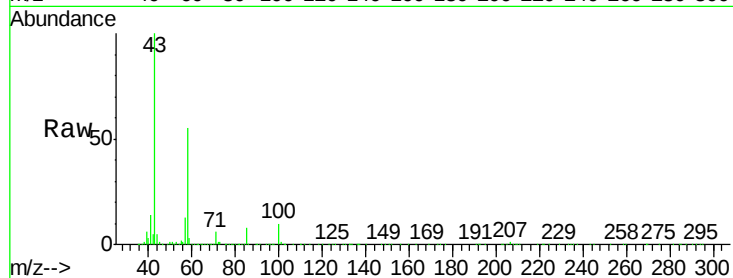




#59
2-Hexanone
Concen: 111.090 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.01 min
Lab File: VF062655.D
Acq: 20 May 2019 12:41

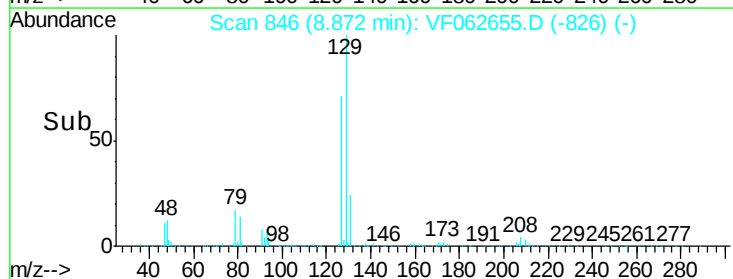
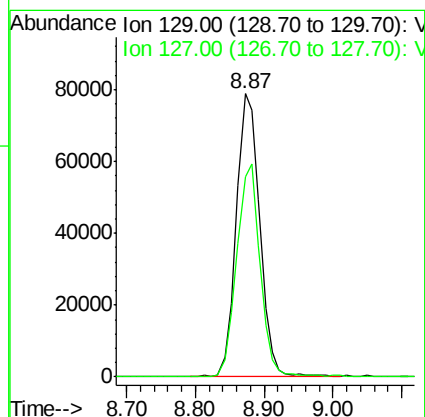
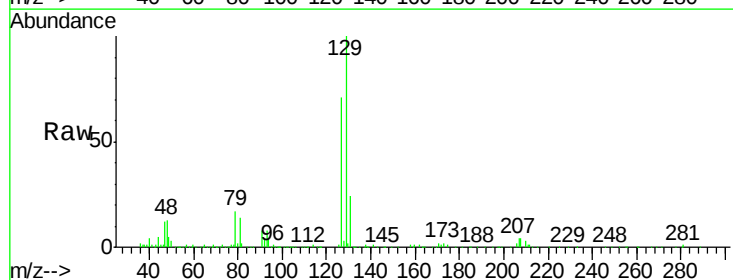
Instrument :
MSVOA_F
ClientSampleId :
VF0520SBS01

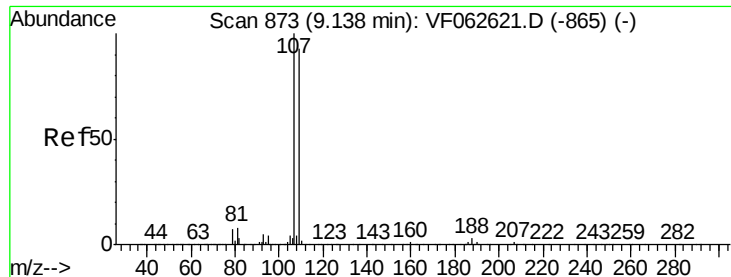
Tot Ion: 43 Resp: 425030
Ion Ratio Lower Upper
43 100
58 54.8 28.1 84.4



#60
Dibromochloromethane
Concen: 22.637 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF062655.D
Acq: 20 May 2019 12:41

Tgt Ion: 129 Resp: 186371
Ion Ratio Lower Upper
129 100
127 70.7 37.2 111.6





#61

1,2-Dibromoethane

Concen: 23.309 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.01 min

Lab File: VF062655.D

Acq: 20 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

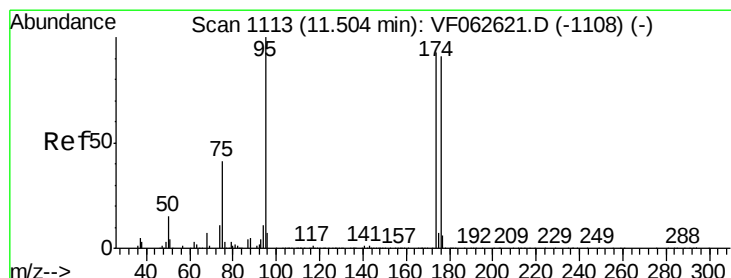
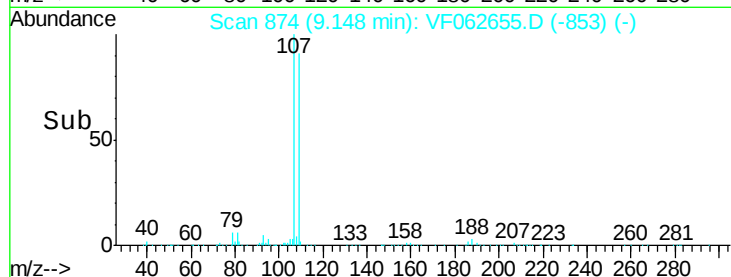
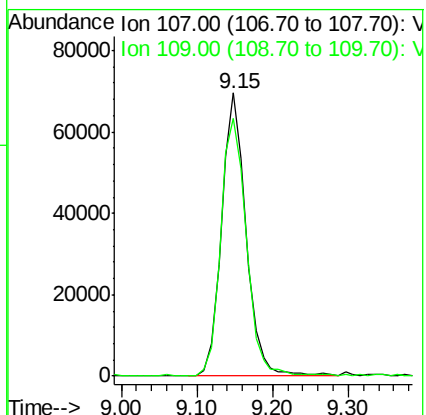
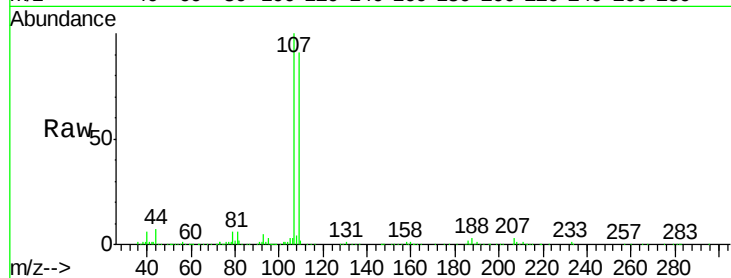
VF0520SBS01

Tot Ion:107 Resp: 156393

Ion Ratio Lower Upper

107 100

109 91.0 74.8 112.2



#62

4-Bromofluorobenzene

Concen: 44.898 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF062655.D

Acq: 20 May 2019 12:41

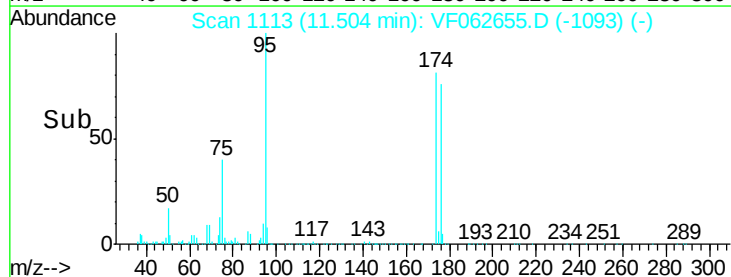
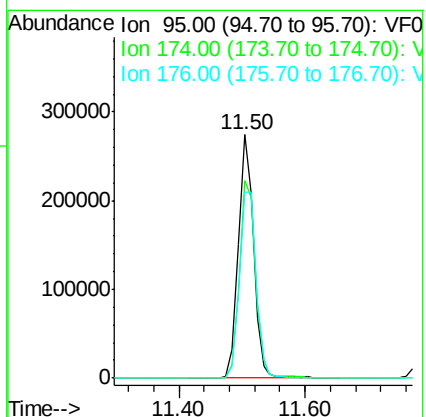
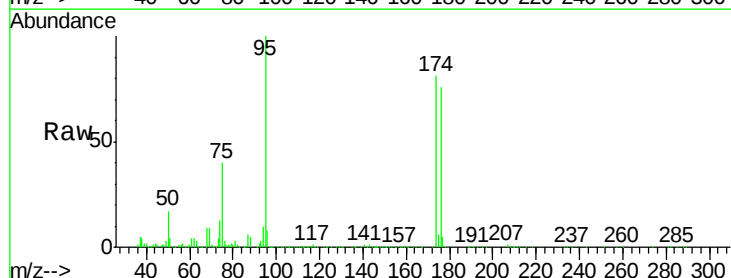
Tgt Ion: 95 Resp: 453375

Ion Ratio Lower Upper

95 100

174 80.9 0.0 185.6

176 76.4 0.0 182.4

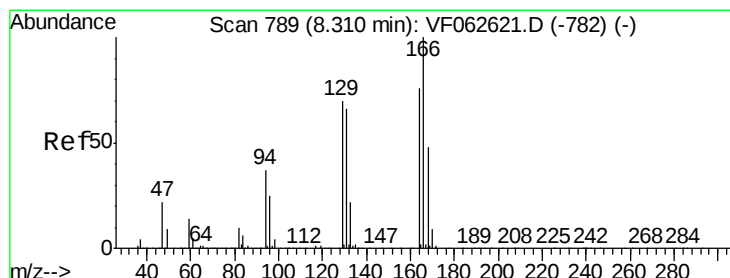
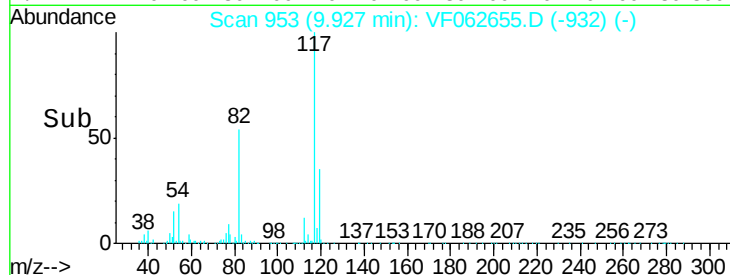
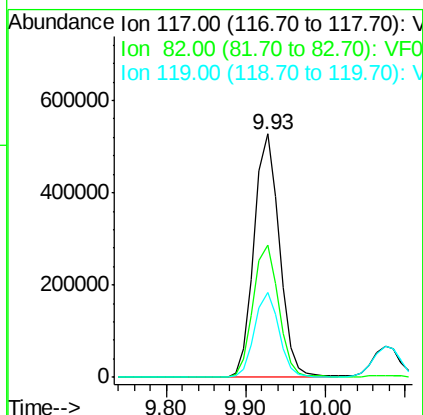
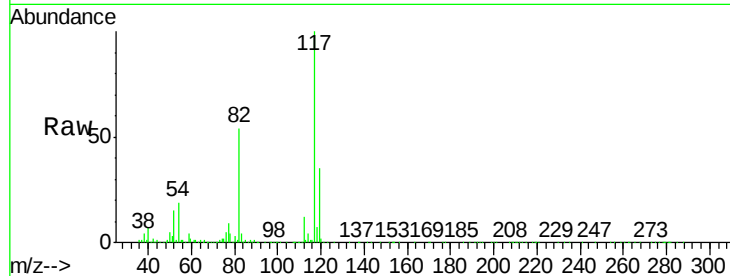




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF062655.D
Acq: 20 May 2019 12:41

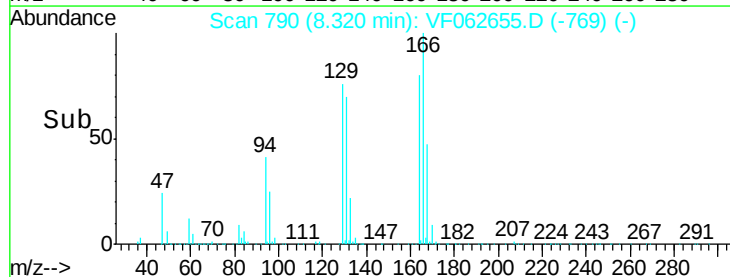
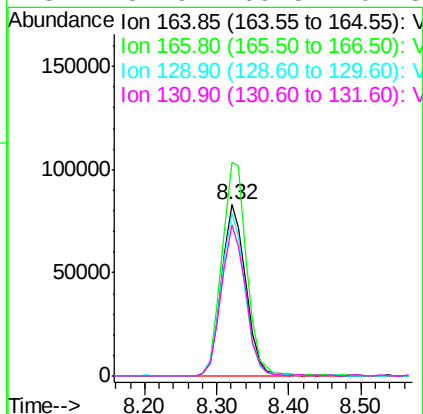
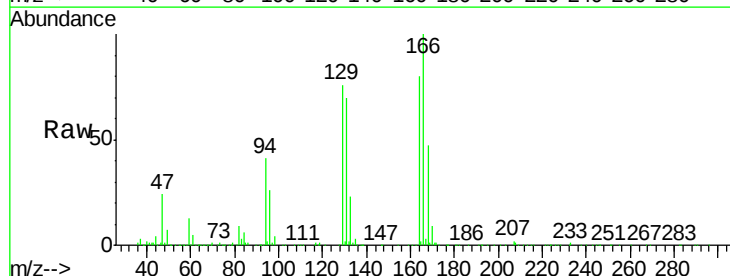
Instrument :
MSVOA_F
ClientSampleId :
VF0520SBSD01

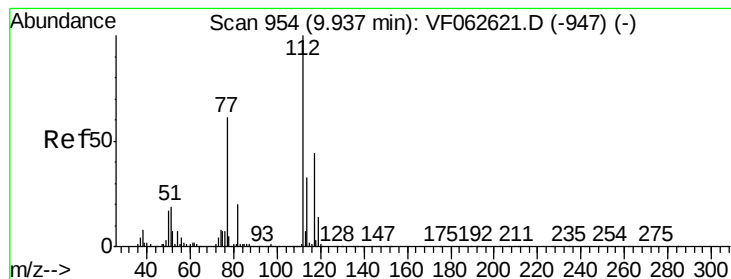
Tot Ion:117 Resp: 1157845
Ion Ratio Lower Upper
117 100
82 54.1 43.3 64.9
119 34.8 27.4 41.0



#64
Tetrachloroethene
Concen: 21.061 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.01 min
Lab File: VF062655.D
Acq: 20 May 2019 12:41

Tgt Ion:164 Resp: 193190
Ion Ratio Lower Upper
164 100
166 124.8 105.5 158.3
129 95.1 73.8 110.6
131 87.9 69.5 104.3





#65

Chlorobenzene

Concen: 21.745 ug/l

RT: 9.95 min Scan# 955

Delta R.T. 0.01 min

Lab File: VF062655.D

Acq: 20 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

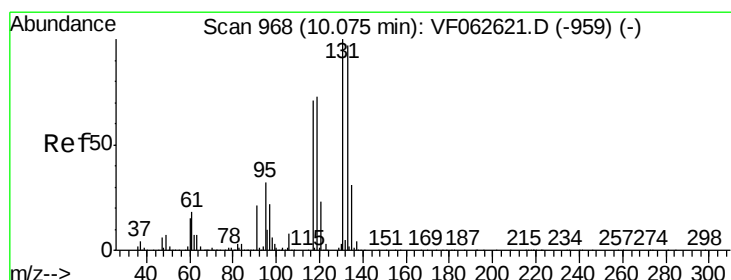
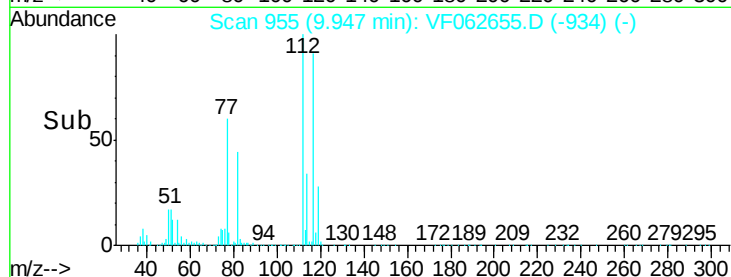
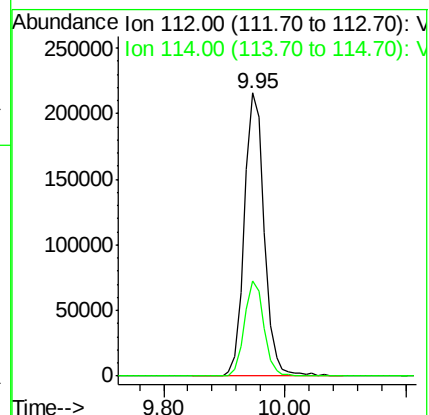
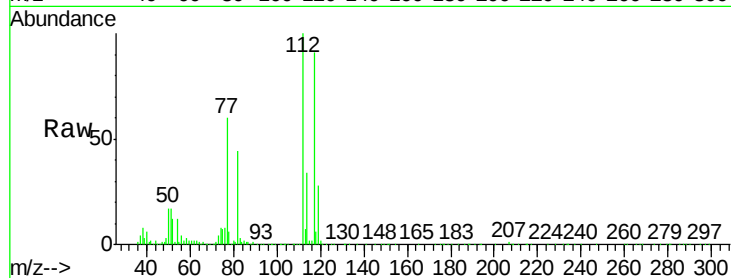
VF0520SBS01

Tot Ion:112 Resp: 494505

Ion Ratio Lower Upper

112 100

114 33.7 26.8 40.2



#66

1,1,1,2-Tetrachloroethane

Concen: 22.455 ug/l

RT: 10.07 min Scan# 968

Delta R.T. 0.00 min

Lab File: VF062655.D

Acq: 20 May 2019 12:41

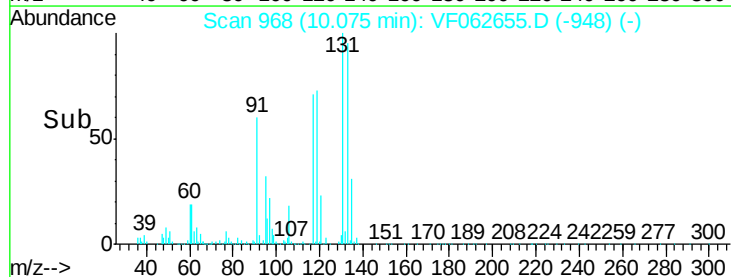
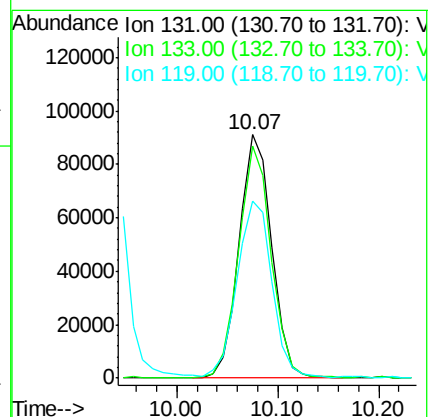
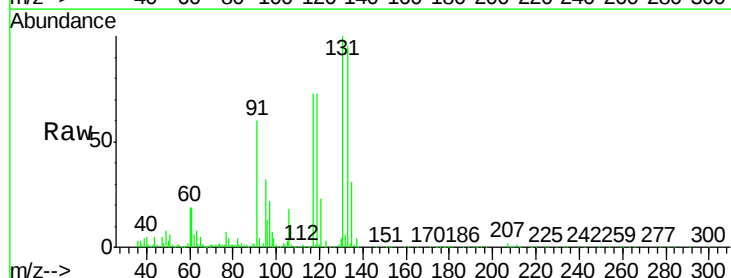
Tgt Ion:131 Resp: 204997

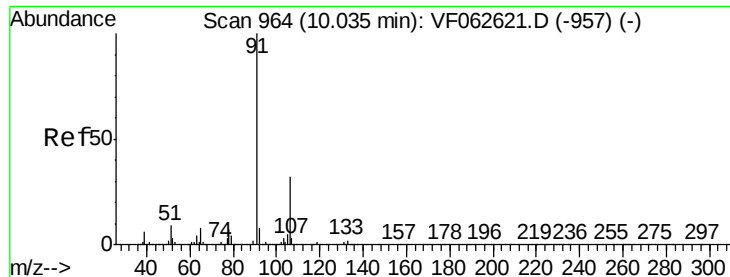
Ion Ratio Lower Upper

131 100

133 95.3 48.5 145.5

119 72.6 36.8 110.4





#67

Ethyl Benzene

Concen: 23.172 ug/l

RT: 10.05 min Scan# 965

Delta R.T. 0.01 min

Lab File: VF062655.D

Acq: 20 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

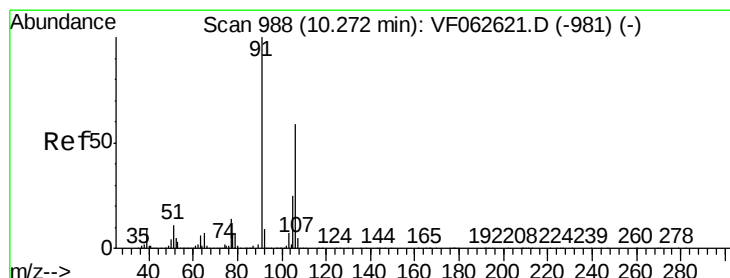
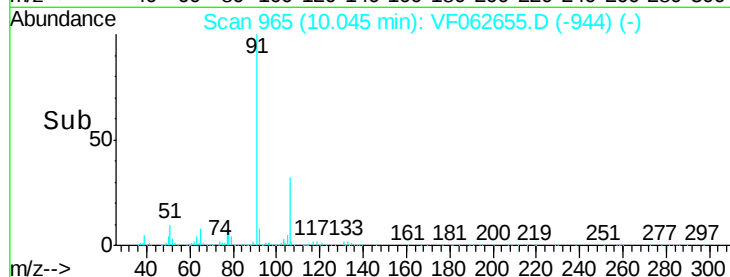
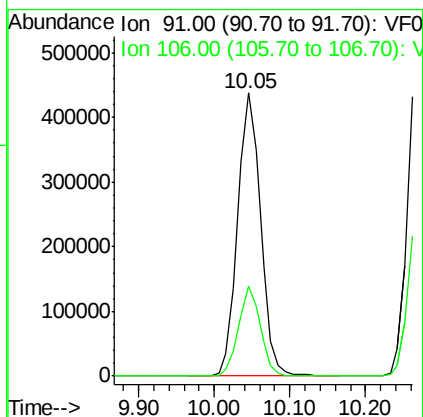
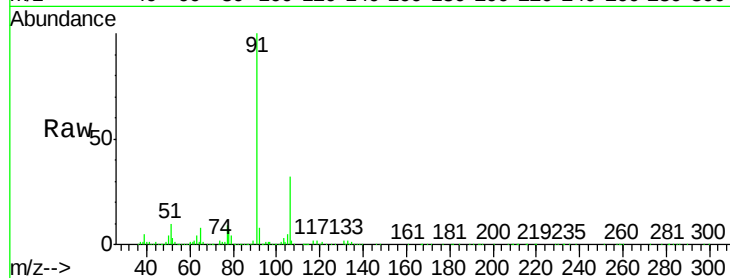
VF0520SBS01

Tot Ion: 91 Resp: 915432

Ion Ratio Lower Upper

91 100

106 32.0 25.8 38.8



#68

m/p-Xylenes

Concen: 42.866 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.00 min

Lab File: VF062655.D

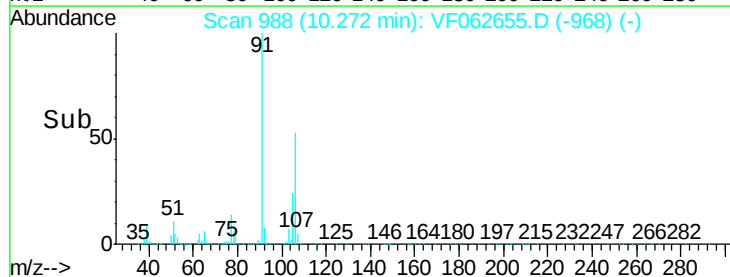
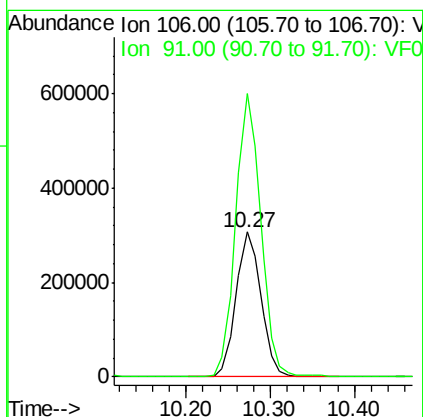
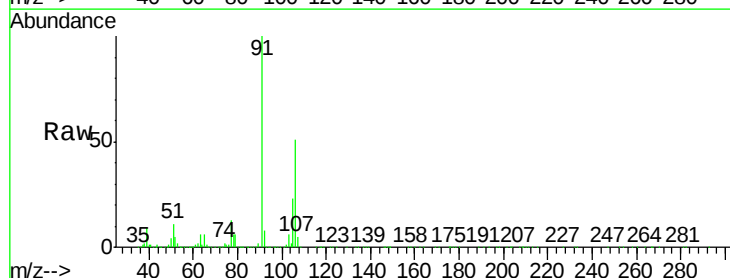
Acq: 20 May 2019 12:41

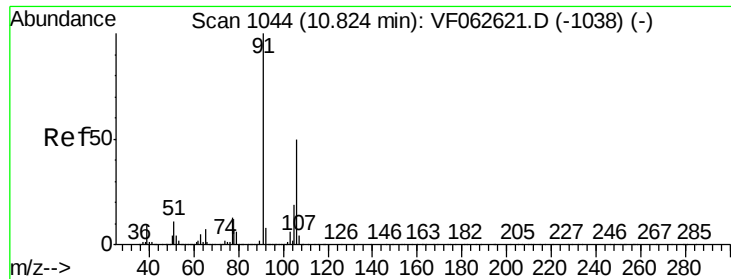
Tgt Ion: 106 Resp: 636492

Ion Ratio Lower Upper

106 100

91 195.7 136.9 205.3

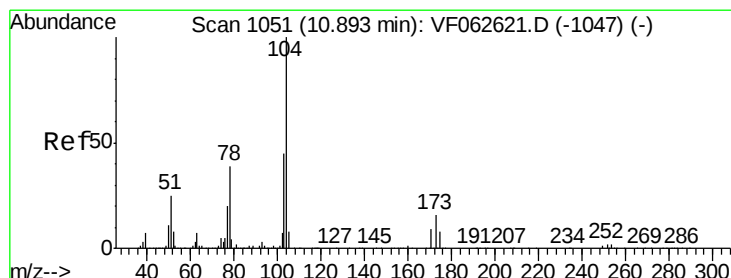
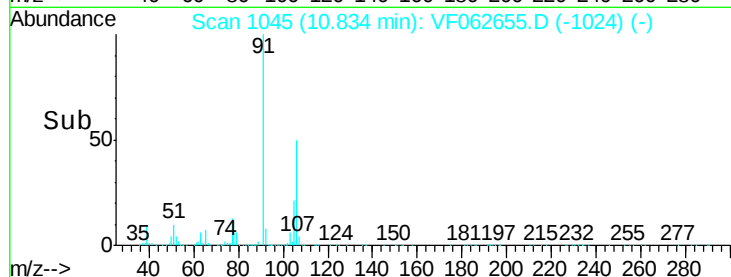
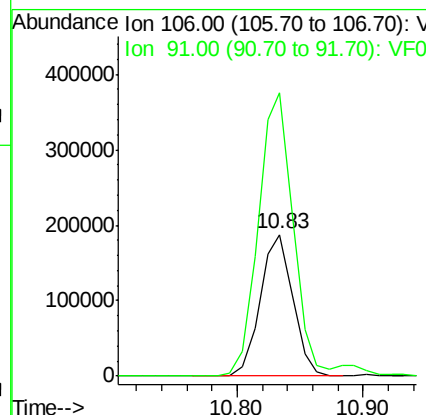
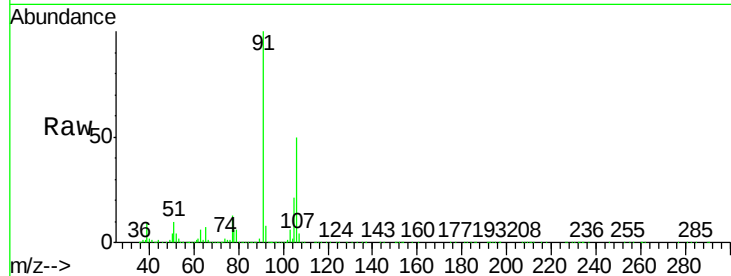




#69
o-Xylene
Concen: 22.119 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VF062655.D
Acq: 20 May 2019 12:41

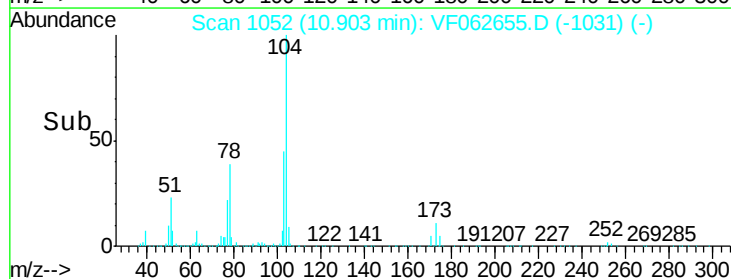
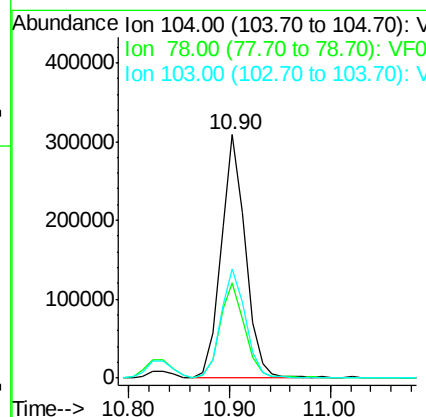
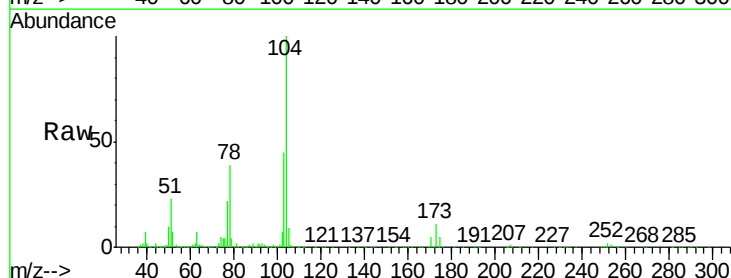
Instrument :
MSVOA_F
ClientSampleId :
VF0520SBS01

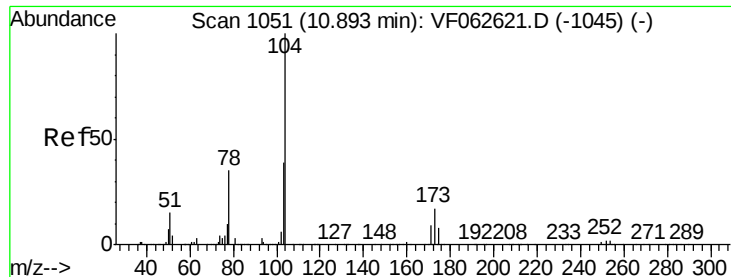
Tot Ion:106 Resp: 338283
Ion Ratio Lower Upper
106 100
91 200.2 100.2 300.5



#70
Styrene
Concen: 22.248 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VF062655.D
Acq: 20 May 2019 12:41

Tgt Ion:104 Resp: 517174
Ion Ratio Lower Upper
104 100
78 38.9 31.9 47.9
103 45.1 36.1 54.1

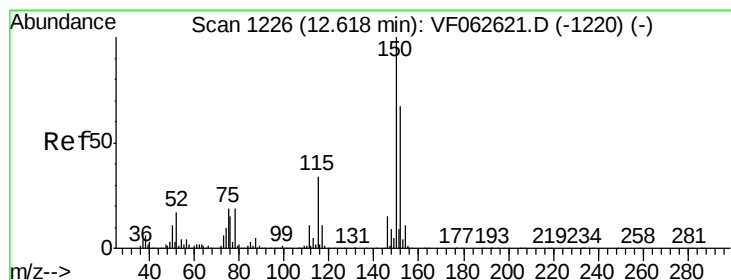
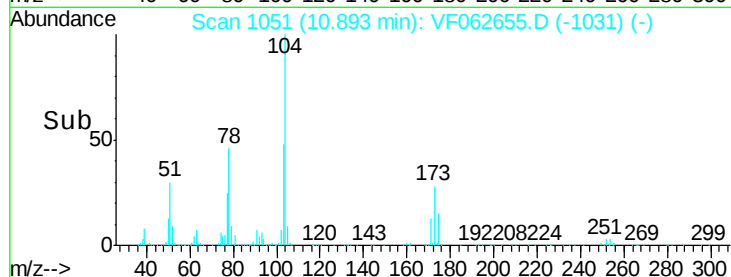
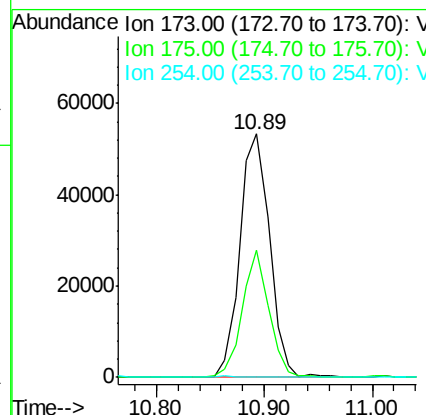
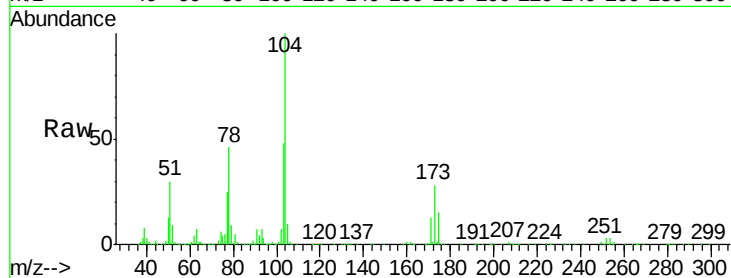




#71
Bromoform
Concen: 22.325 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF062655.D
Acq: 20 May 2019 12:41

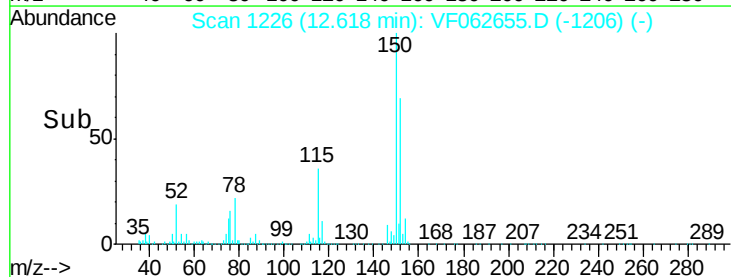
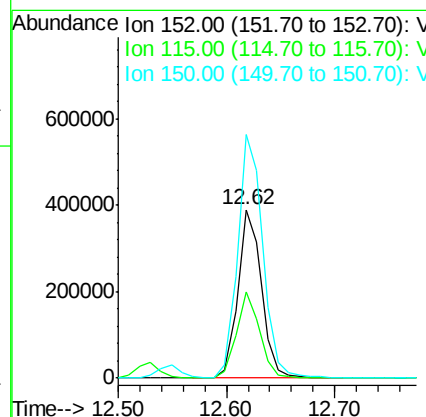
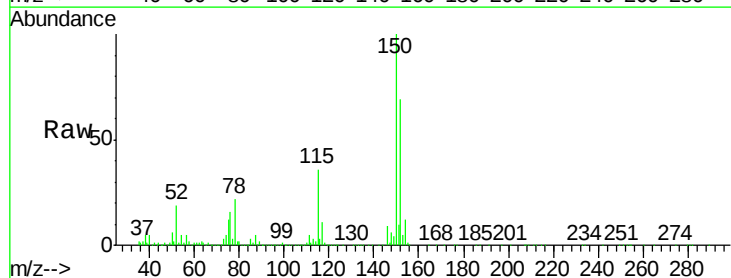
Instrument :
MSVOA_F
ClientSampleId :
VF0520SBS01

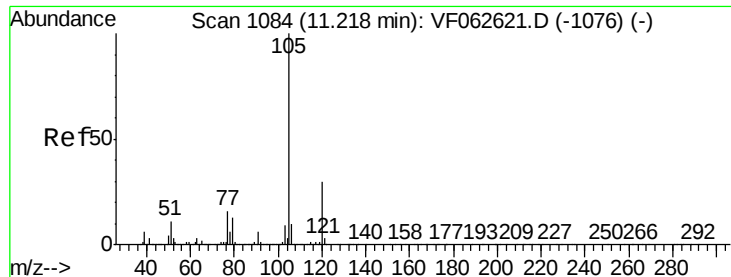
Tot Ion:173 Resp: 102077
Ion Ratio Lower Upper
173 100
175 52.4 25.3 75.9
254 0.2 0.2 0.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.00 min
Lab File: VF062655.D
Acq: 20 May 2019 12:41

Tgt Ion:152 Resp: 591720
Ion Ratio Lower Upper
152 100
115 51.4 25.2 75.6
150 144.4 0.0 306.2





#73

Isopropylbenzene

Concen: 22.378 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VF062655.D

Acq: 20 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

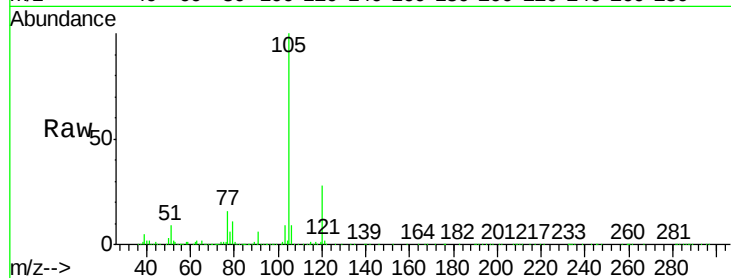
VF0520SBS01

Tot Ion:105 Resp: 949045

Ion Ratio Lower Upper

105 100

120 28.3 14.8 44.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.23

600000

500000

400000

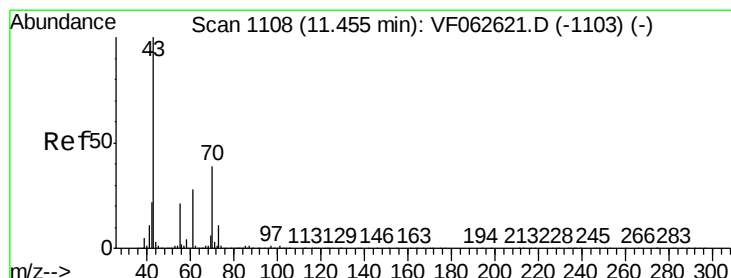
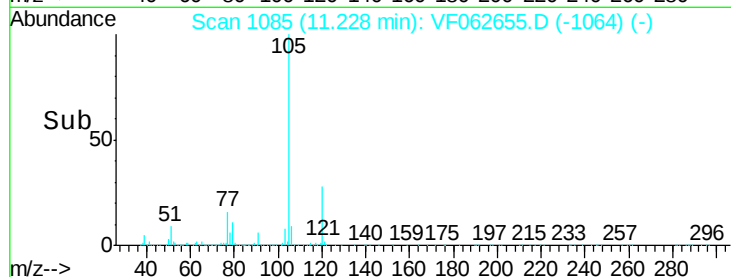
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 19.017 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF062655.D

Acq: 20 May 2019 12:41

Tgt Ion: 43 Resp: 241291

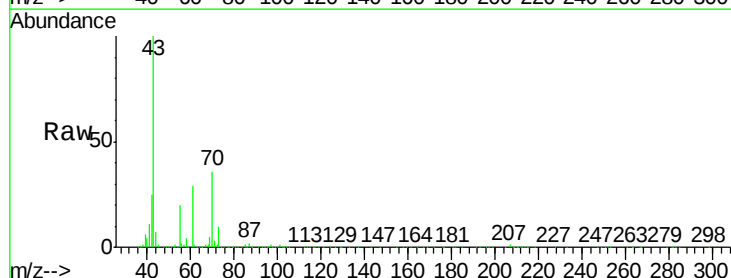
Ion Ratio Lower Upper

43 100

70 35.7 30.9 46.3

55 19.5 17.0 25.4

61 29.0 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

200000

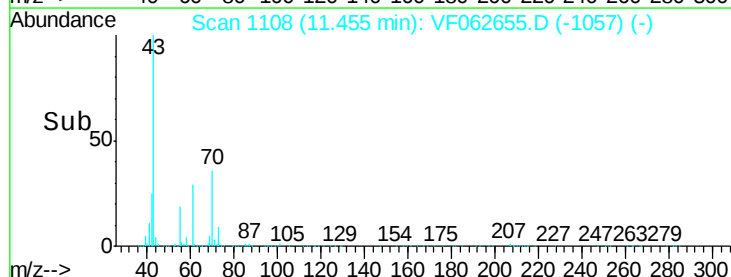
150000

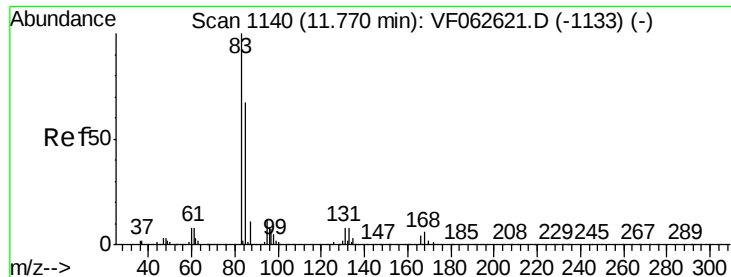
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.447 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF062655.D

Acq: 20 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VF0520SBS01

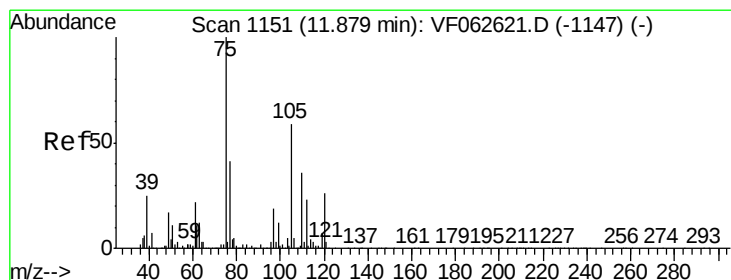
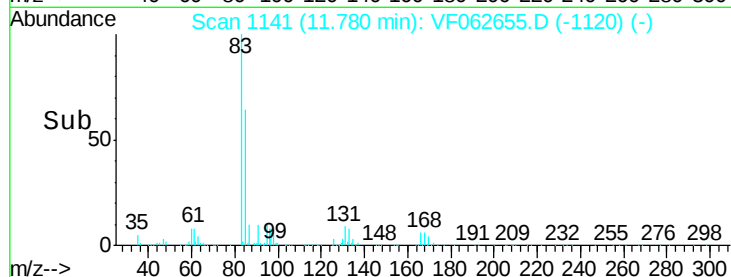
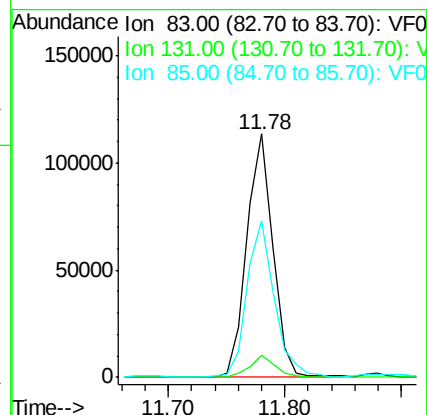
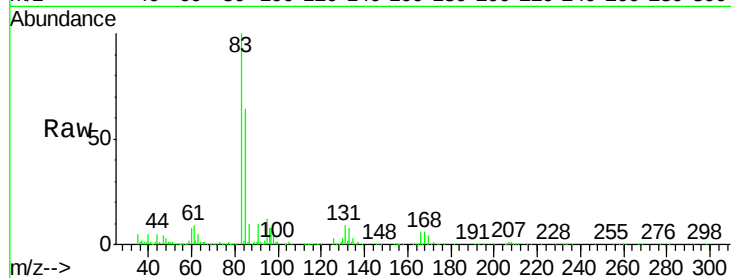
Tot Ion: 83 Resp: 177216

Ion Ratio Lower Upper

83 100

131 8.9 4.0 12.0

85 64.3 33.5 100.5



#76

1,2,3-Trichloropropane

Concen: 19.512 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. 0.00 min

Lab File: VF062655.D

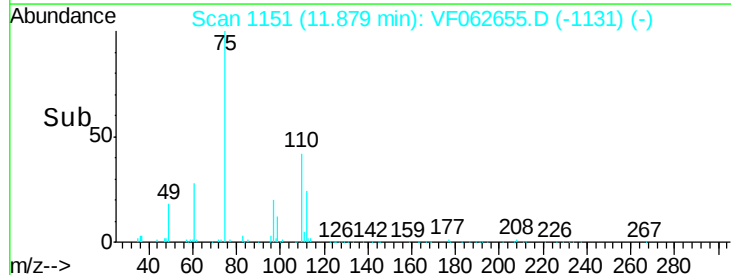
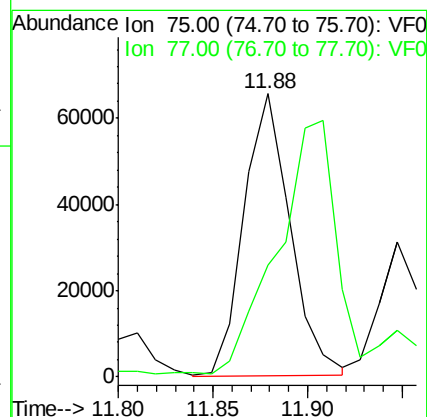
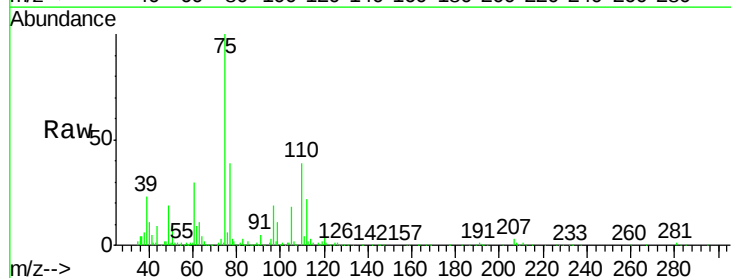
Acq: 20 May 2019 12:41

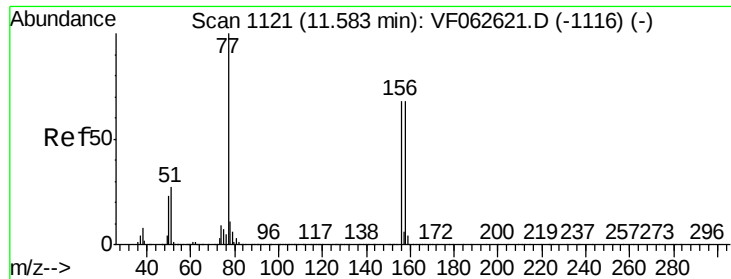
Tgt Ion: 75 Resp: 111117

Ion Ratio Lower Upper

75 100

77 39.4 20.6 61.8





#77

Bromobenzene

Concen: 20.315 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF062655.D

Acq: 20 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VF0520SBS01

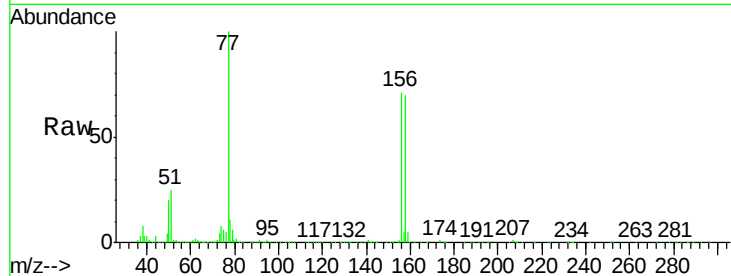
Tot Ion:156 Resp: 214159

Ion Ratio Lower Upper

156 100

77 140.6 73.6 220.8

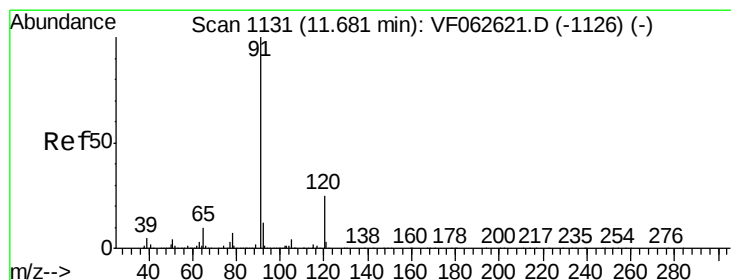
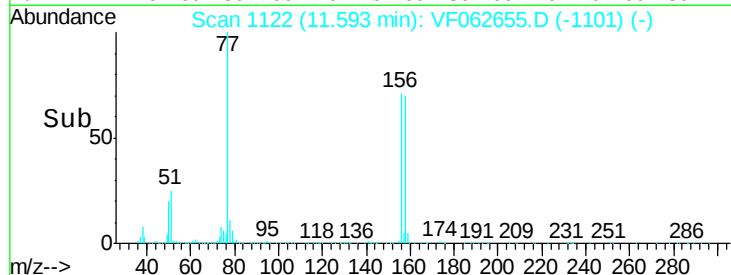
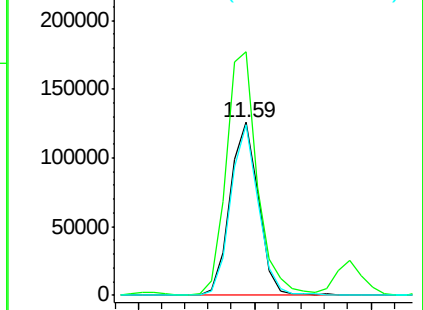
158 98.4 49.6 148.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 21.092 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF062655.D

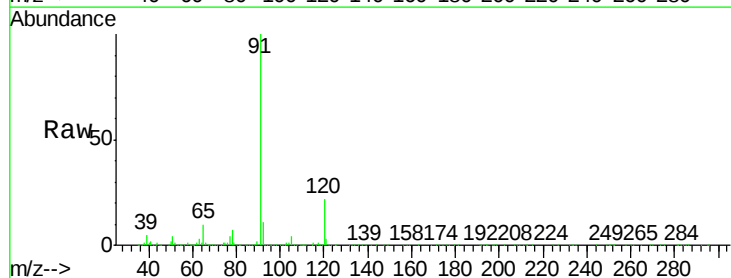
Acq: 20 May 2019 12:41

Tgt Ion: 91 Resp: 1058639

Ion Ratio Lower Upper

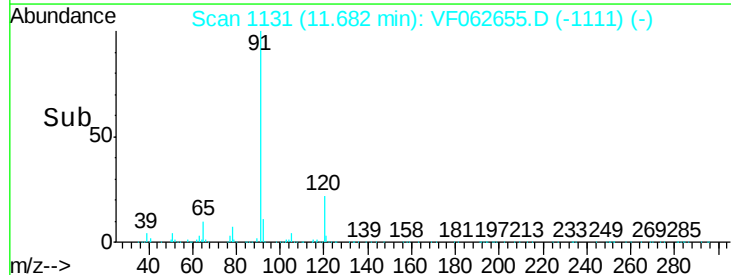
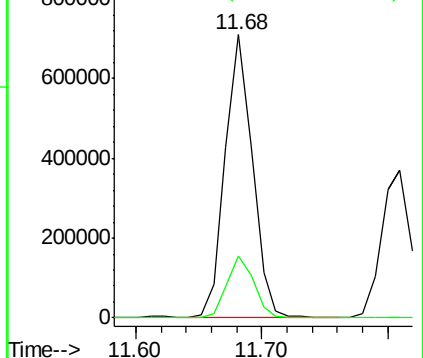
91 100

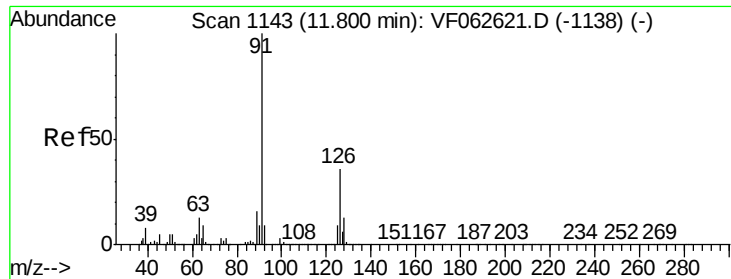
120 22.1 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.165 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VF062655.D

Acq: 20 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

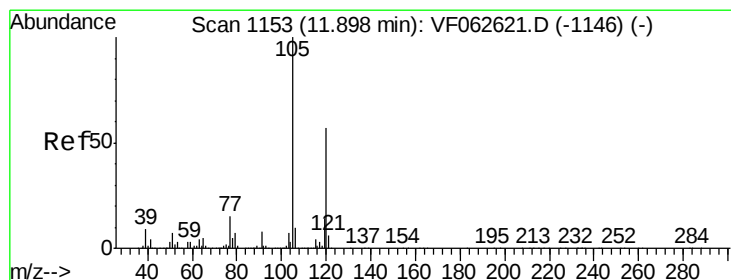
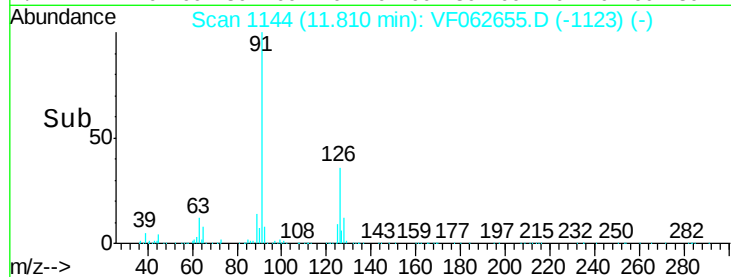
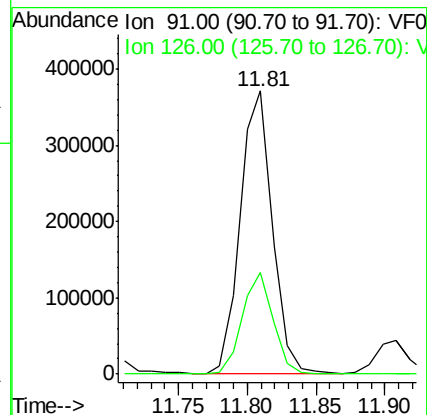
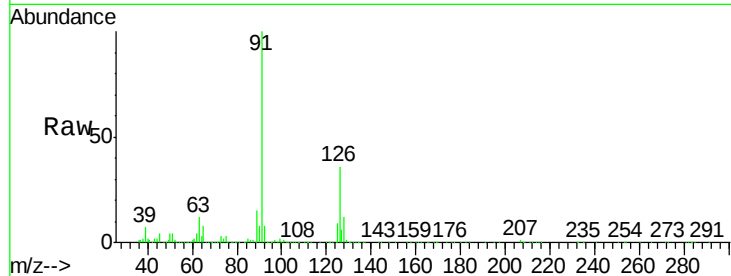
VF0520SBS01

Tot Ion: 91 Resp: 598656

Ion Ratio Lower Upper

91 100

126 35.7 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 20.782 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.01 min

Lab File: VF062655.D

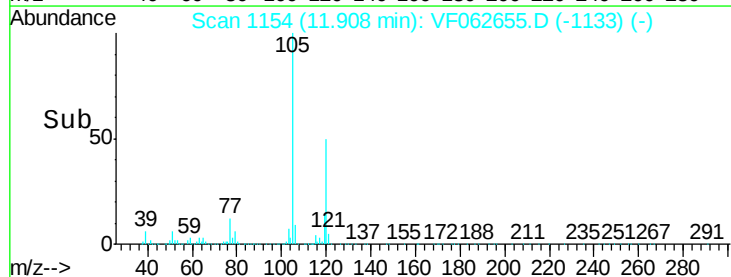
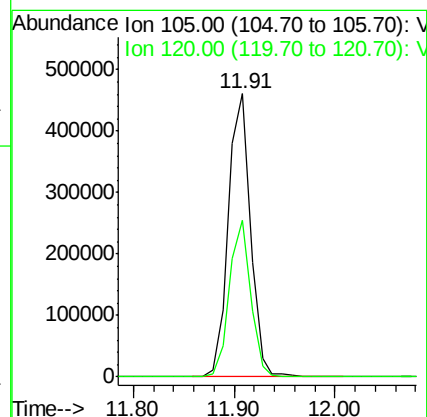
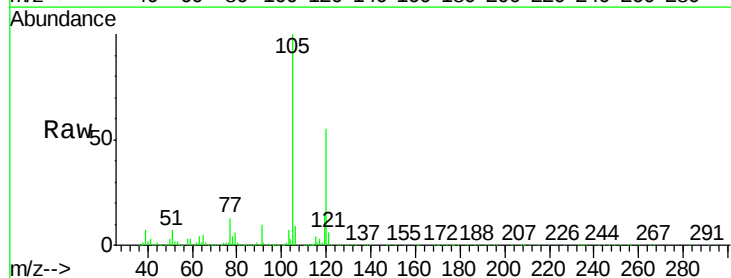
Acq: 20 May 2019 12:41

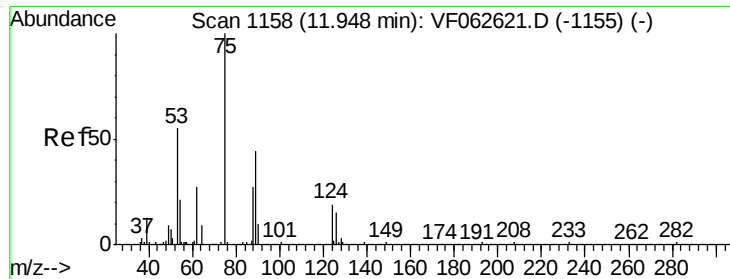
Tgt Ion: 105 Resp: 706704

Ion Ratio Lower Upper

105 100

120 55.4 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 19.332 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. 0.00 min

Lab File: VF062655.D

Acq: 20 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VF0520SBS01

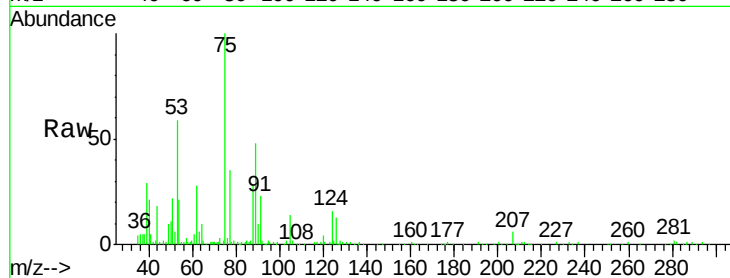
Tot Ion: 75 Resp: 48937

Ion Ratio Lower Upper

75 100

53 58.8 46.9 70.3

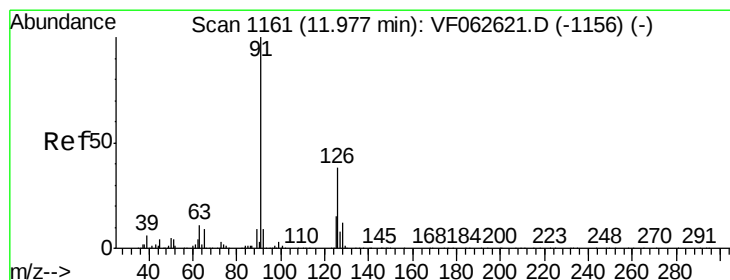
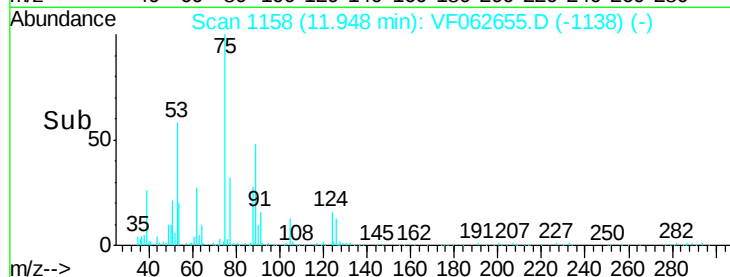
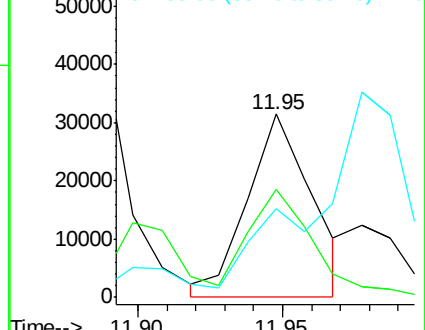
89 48.2 36.4 54.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 20.531 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VF062655.D

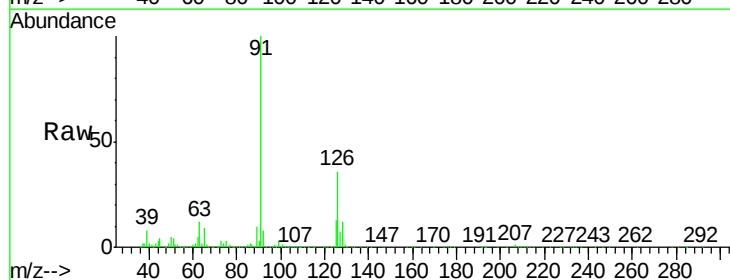
Acq: 20 May 2019 12:41

Tgt Ion: 91 Resp: 572677

Ion Ratio Lower Upper

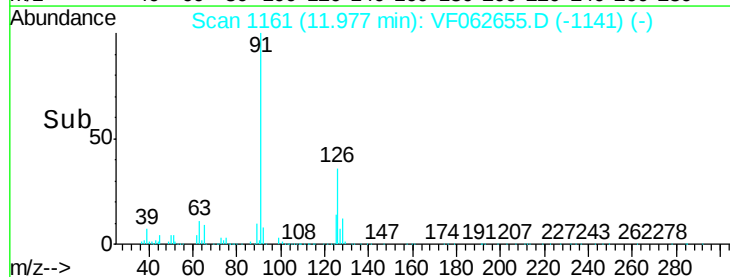
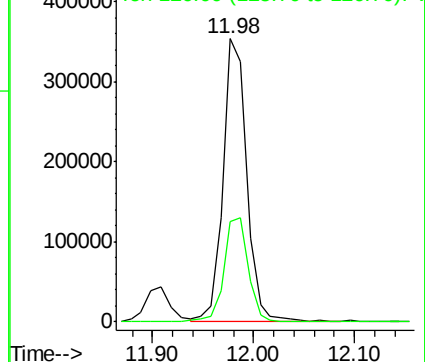
91 100

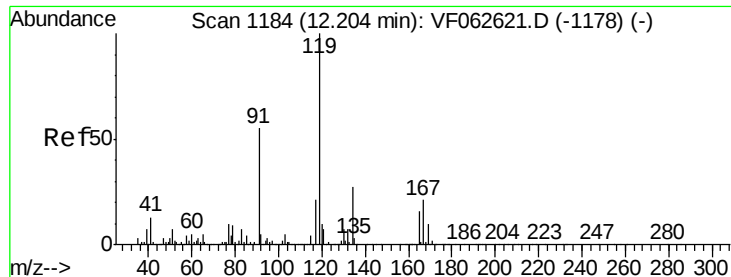
126 35.6 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

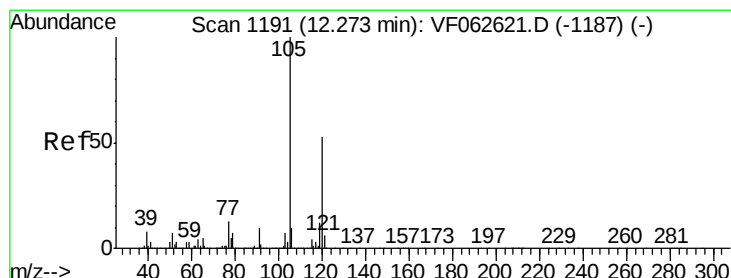
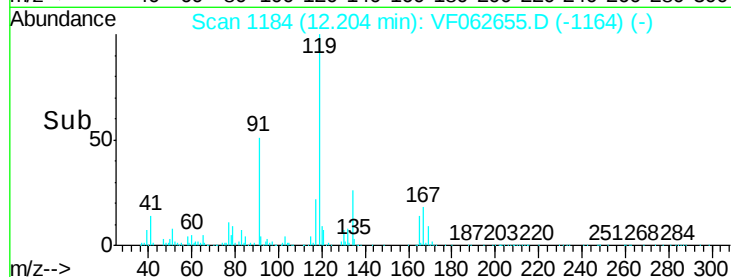
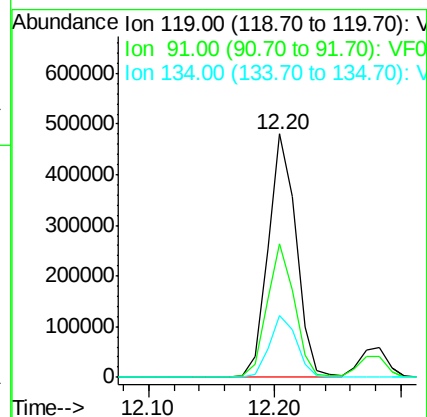
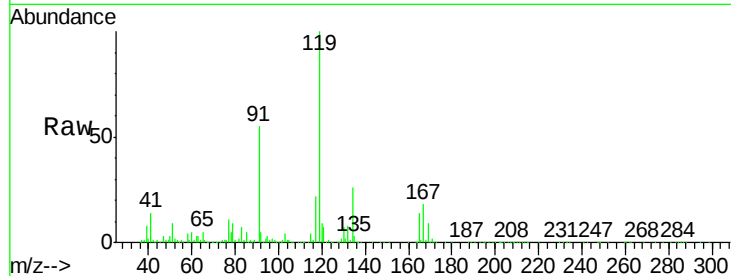




#83
tert-Butylbenzene
Concen: 21.511 ug/l
RT: 12.20 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VF062655.D
Acq: 20 May 2019 12:41

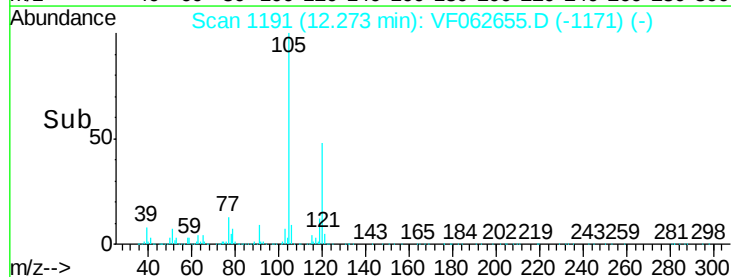
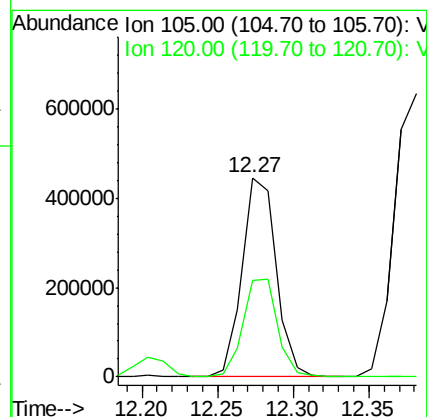
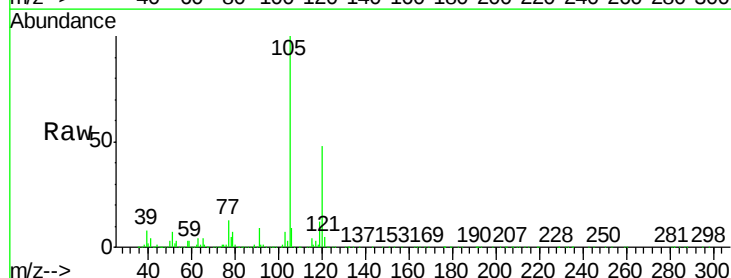
Instrument :
MSVOA_F
ClientSampleId :
VF0520SBS01

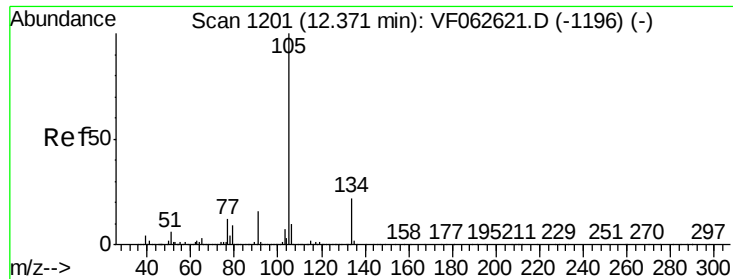
Tot Ion:119 Resp: 742150
Ion Ratio Lower Upper
119 100
91 55.0 27.3 81.9
134 25.5 13.6 40.7



#84
1,2,4-Trimethylbenzene
Concen: 21.299 ug/l
RT: 12.27 min Scan# 1191
Delta R.T. 0.00 min
Lab File: VF062655.D
Acq: 20 May 2019 12:41

Tgt Ion:105 Resp: 701012
Ion Ratio Lower Upper
105 100
120 48.3 26.7 80.1

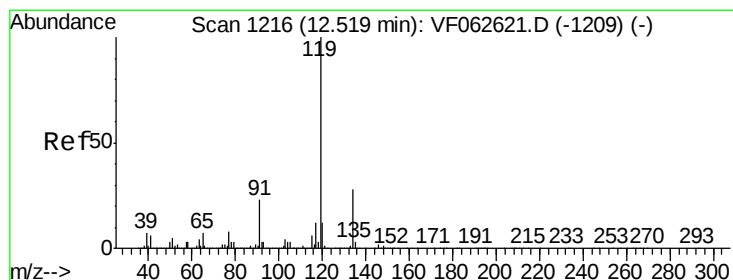
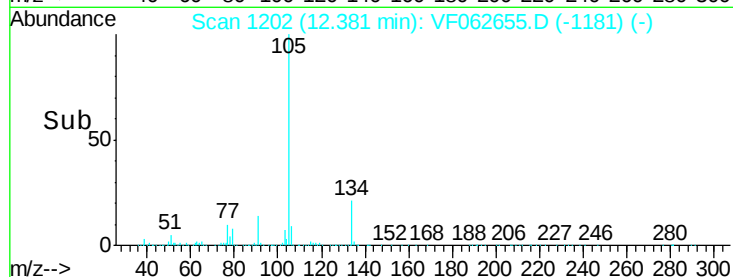
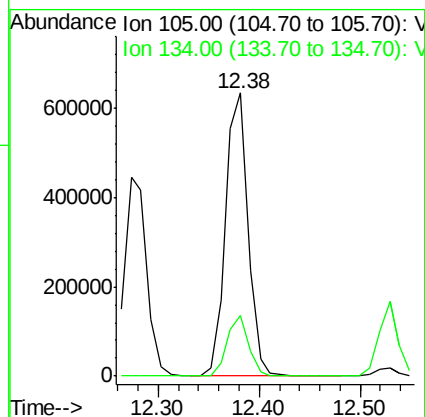
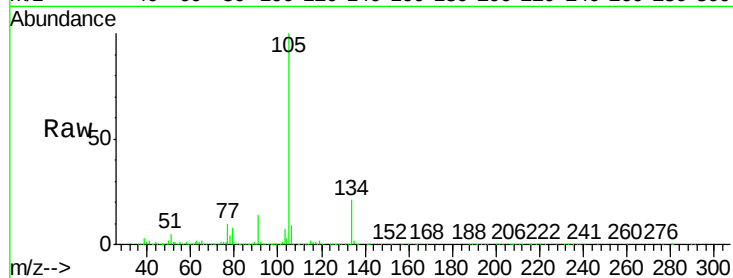




#85
 sec-Butylbenzene
 Concen: 21.211 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: VF062655.D
 Acq: 20 May 2019 12:41

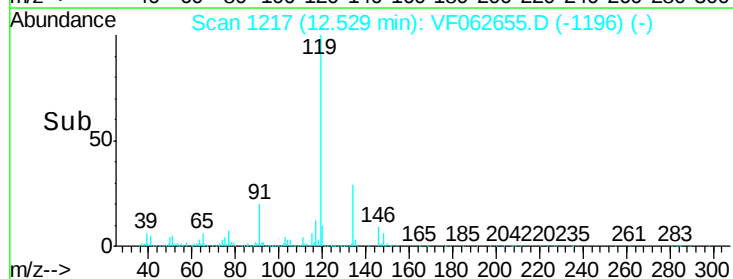
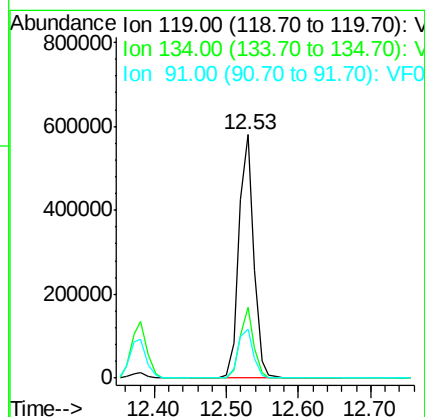
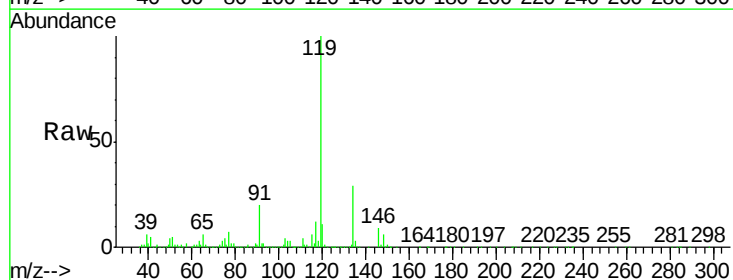
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0520SBS01

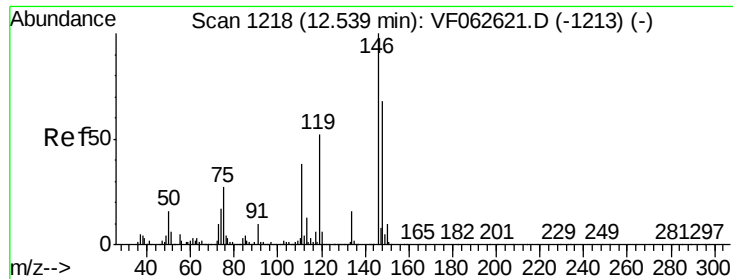
Tot Ion:105 Resp: 982102
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.8 32.4



#86
 p-Isopropyltoluene
 Concen: 21.416 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. 0.01 min
 Lab File: VF062655.D
 Acq: 20 May 2019 12:41

Tgt Ion:119 Resp: 835667
 Ion Ratio Lower Upper
 119 100
 134 28.9 14.1 42.3
 91 20.0 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 21.349 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VF062655.D

Acq: 20 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VF0520SBS01

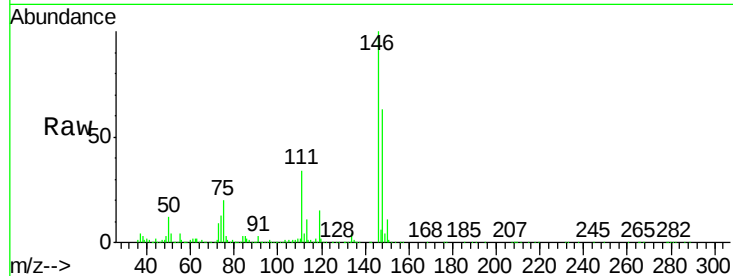
Tot Ion:146 Resp: 407167

Ion Ratio Lower Upper

146 100

111 34.2 18.9 56.9

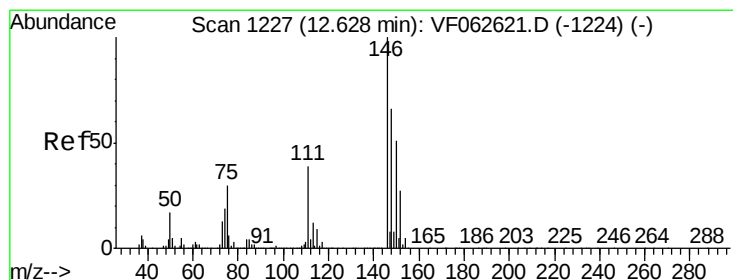
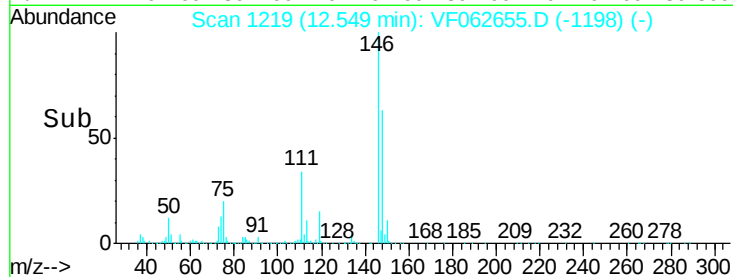
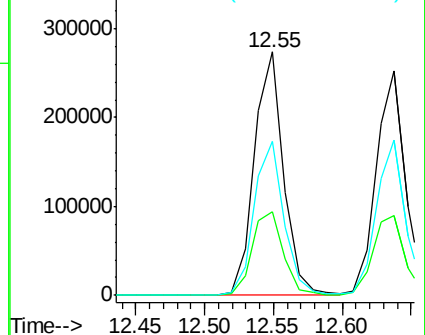
148 63.1 34.0 101.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 20.801 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. 0.01 min

Lab File: VF062655.D

Acq: 20 May 2019 12:41

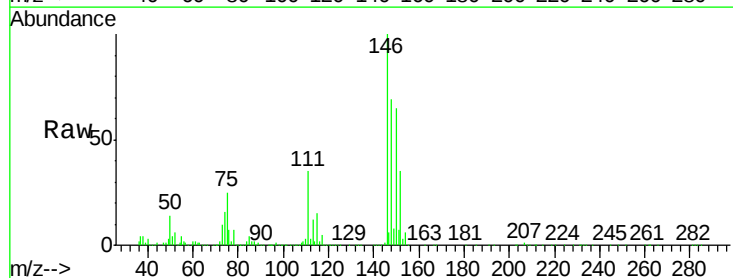
Tgt Ion:146 Resp: 372292

Ion Ratio Lower Upper

146 100

111 35.3 19.4 58.2

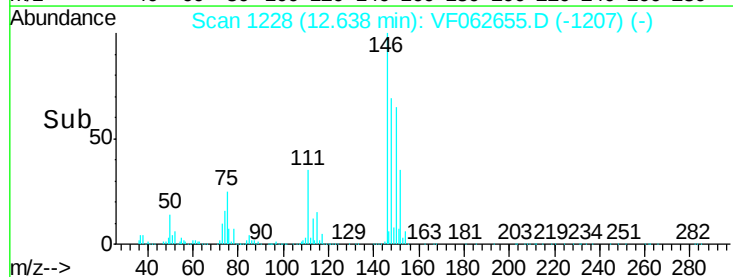
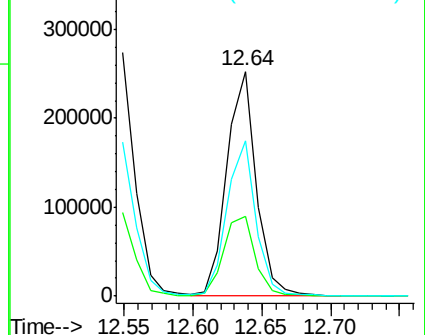
148 69.3 33.2 99.6

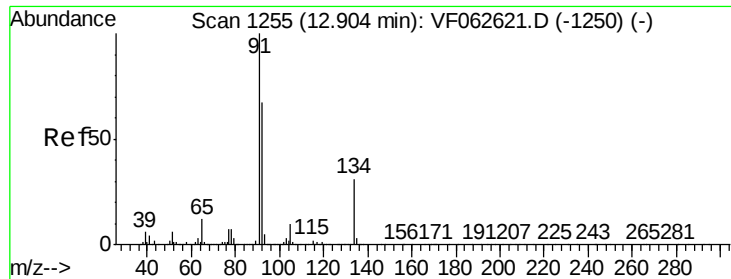


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

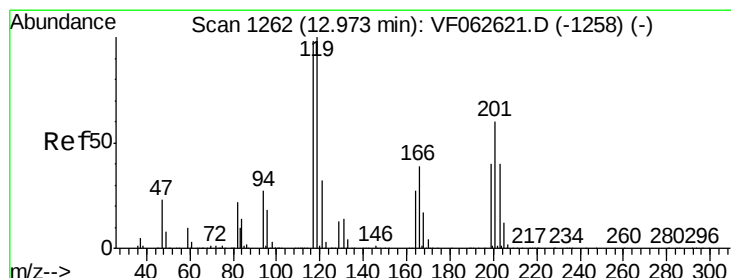
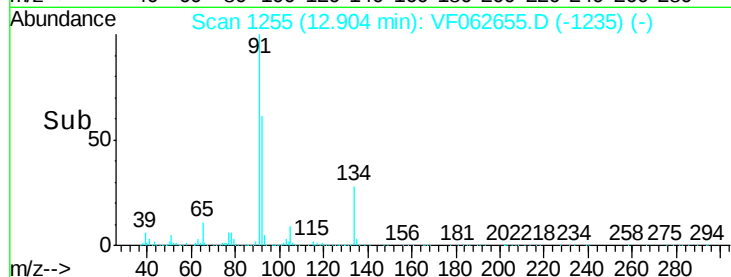
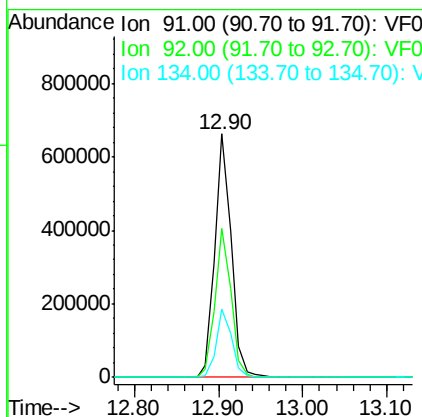
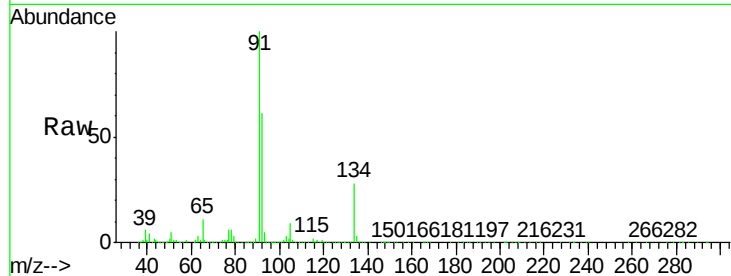




#89
n-Butylbenzene
Concen: 23.360 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VF062655.D
Acq: 20 May 2019 12:41

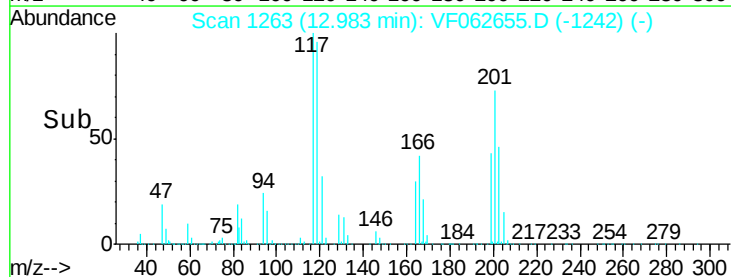
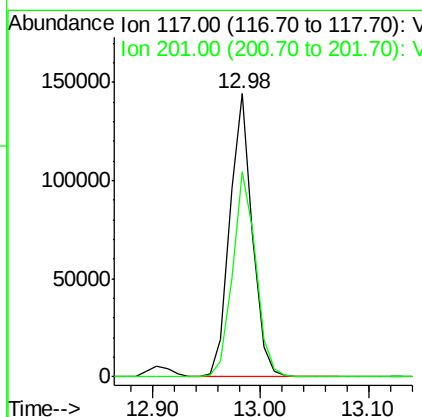
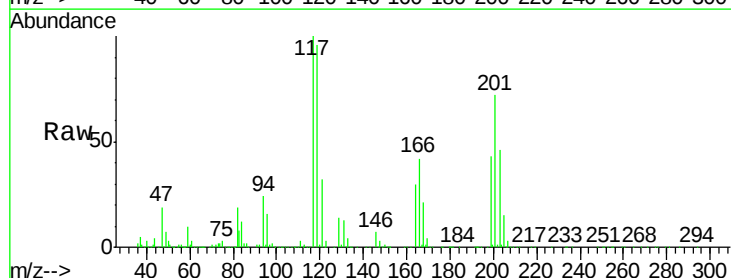
Instrument :
MSVOA_F
ClientSampleId :
VF0520SBS01

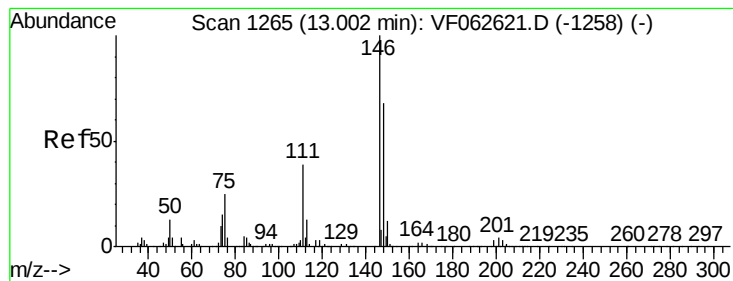
Tot Ion	Ratio	Lower	Upper
91	100		
92	61.1	33.3	99.8
134	28.1	15.4	46.4



#90
Hexachloroethane
Concen: 22.260 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. 0.01 min
Lab File: VF062655.D
Acq: 20 May 2019 12:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.4	30.7	92.1





#91

1,2-Dichlorobenzene

Concen: 22.303 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VF062655.D

Acq: 20 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VF0520SBSD01

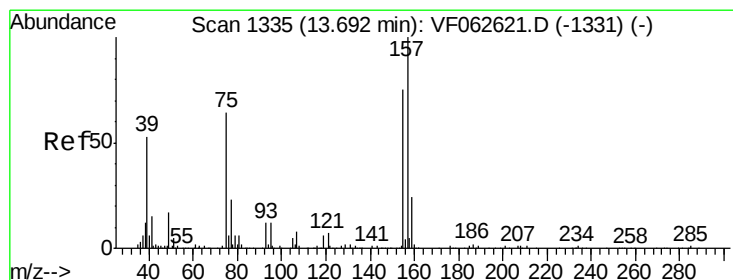
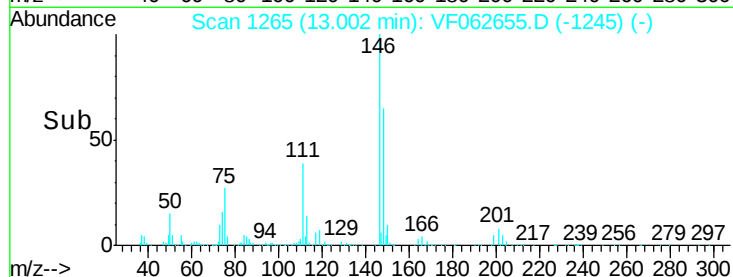
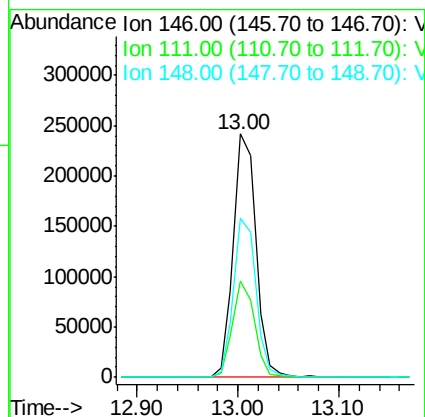
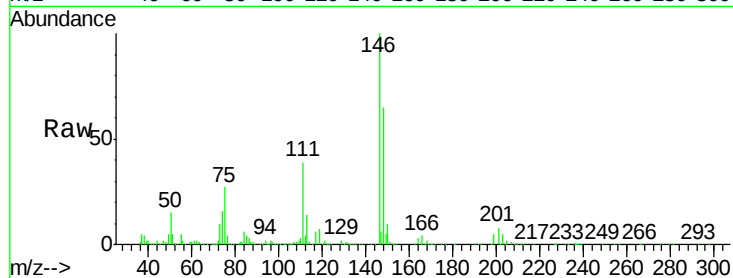
Tot Ion:146 Resp: 379169

Ion Ratio Lower Upper

146 100

111 39.4 19.8 59.3

148 65.3 34.1 102.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.693 ug/l

RT: 13.70 min Scan# 1336

Delta R.T. 0.01 min

Lab File: VF062655.D

Acq: 20 May 2019 12:41

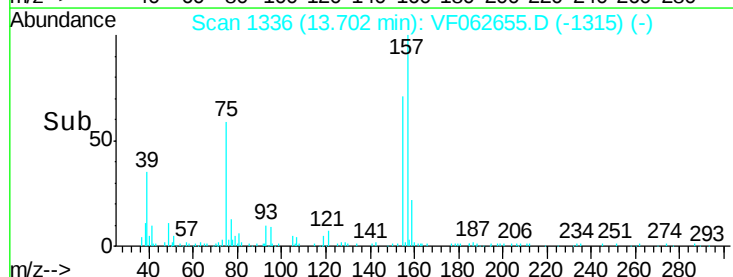
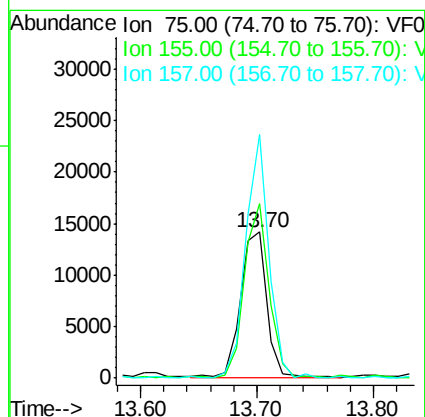
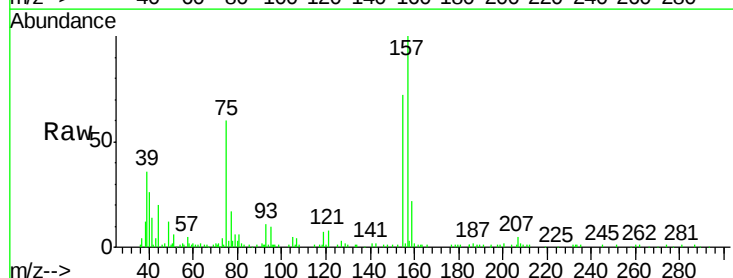
Tgt Ion: 75 Resp: 22429

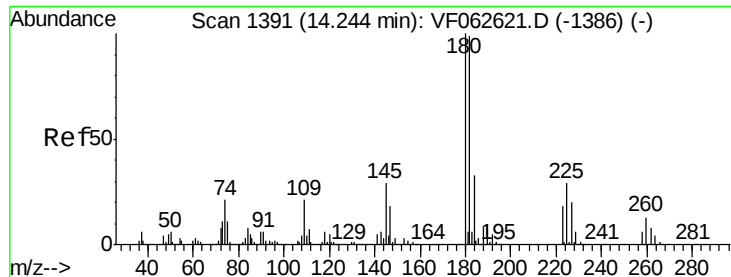
Ion Ratio Lower Upper

75 100

155 119.7 58.1 174.3

157 166.4 77.8 233.4

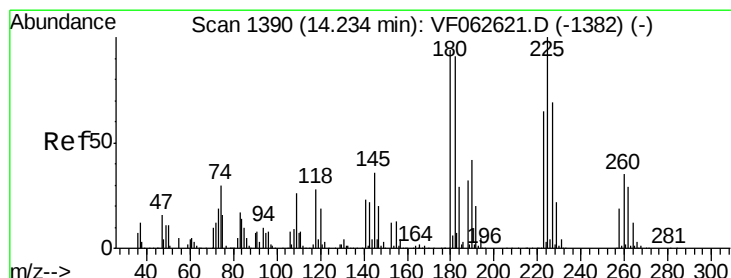
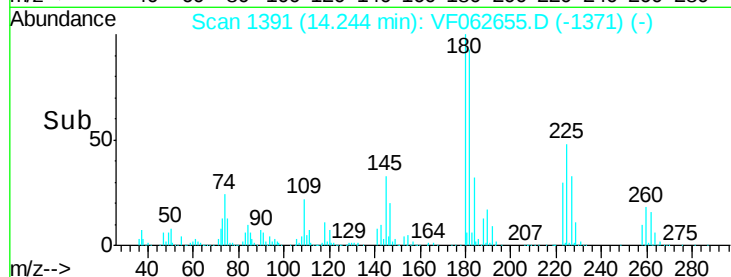
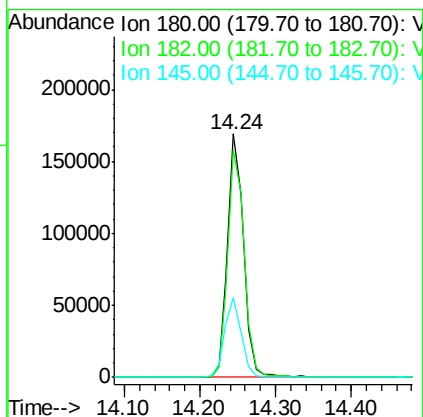
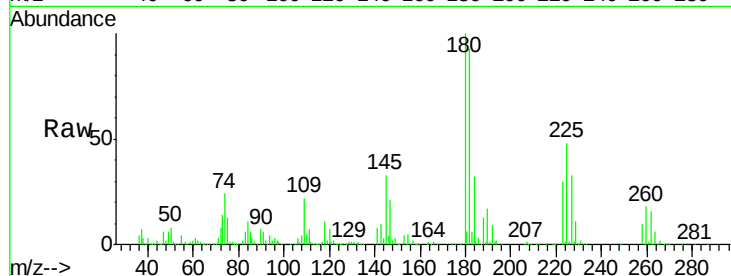




#93
 1,2,4-Trichlorobenzene
 Concen: 20.473 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VF062655.D
 Acq: 20 May 2019 12:41

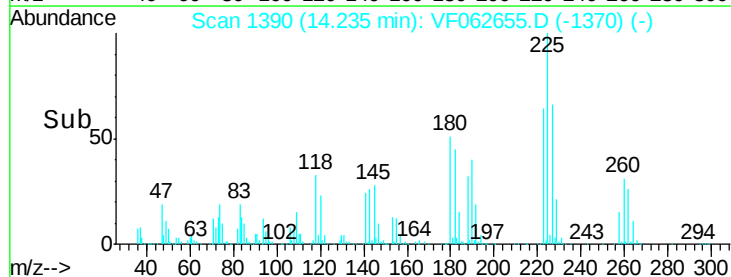
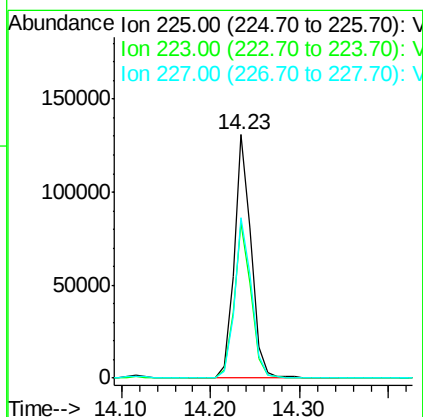
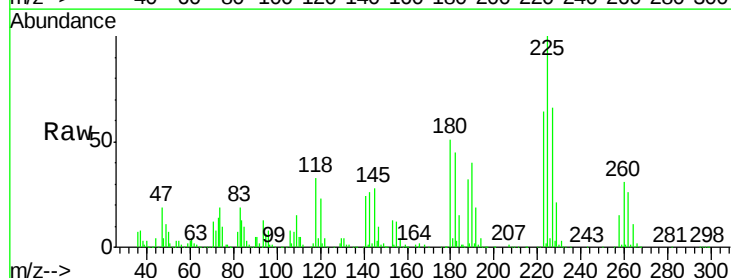
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0520SBS01

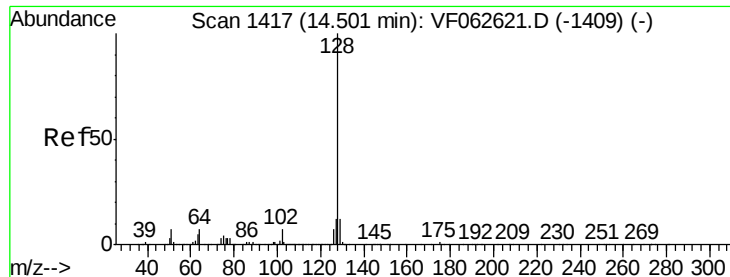
Tot Ion:180 Resp: 249144
 Ion Ratio Lower Upper
 180 100
 182 93.2 49.7 149.1
 145 32.6 14.6 44.0



#94
 Hexachlorobutadiene
 Concen: 20.631 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VF062655.D
 Acq: 20 May 2019 12:41

Tgt Ion:225 Resp: 175208
 Ion Ratio Lower Upper
 225 100
 223 63.6 32.5 97.4
 227 66.0 34.5 103.5





#95

Naphthalene

Concen: 19.047 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VF062655.D

Acq: 20 May 2019 12:41

Instrument :

MSVOA_F

ClientSampleId :

VF0520SBS01

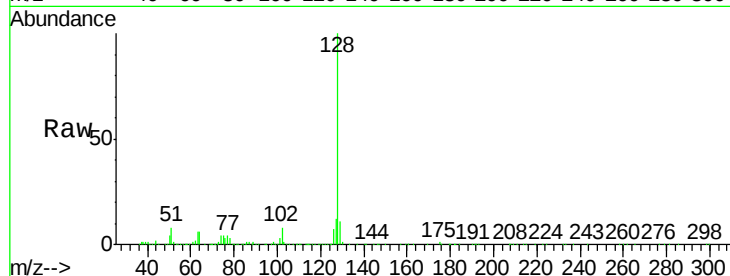
Tot Ion:128 Resp: 421094

Ion Ratio Lower Upper

128 100

127 12.2 9.7 14.5

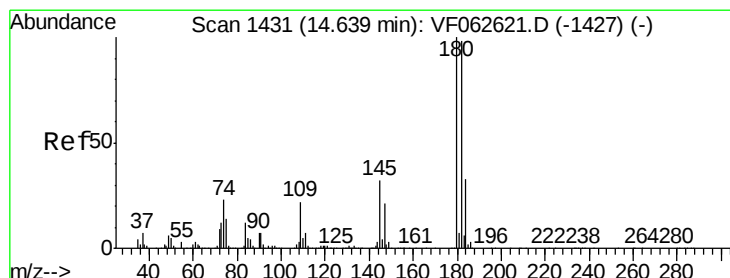
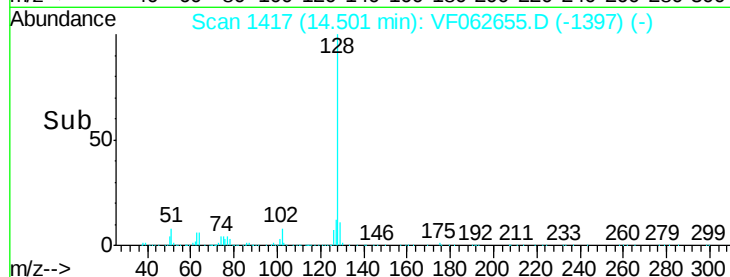
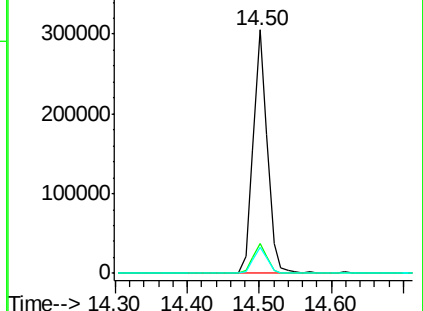
129 10.5 9.3 13.9



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.714 ug/l

RT: 14.65 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VF062655.D

Acq: 20 May 2019 12:41

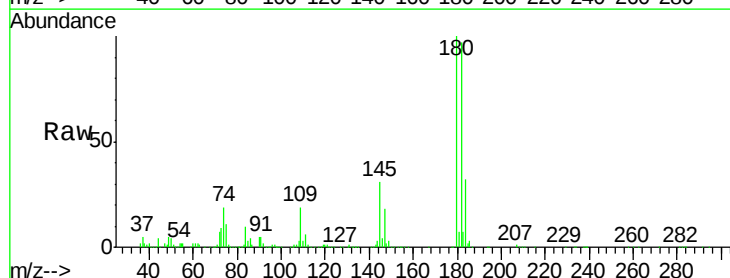
Tgt Ion:180 Resp: 227236

Ion Ratio Lower Upper

180 100

182 97.0 48.9 146.7

145 30.5 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

