

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052219\
 Data File : VF062702.D
 Acq On : 22 May 2019 13:34
 Operator : FY/SY
 Sample : VF0522SBSD01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0522SBSD01

Quant Time: May 23 01:21:25 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	5.05	168	701820	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.77	114	1164837	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.90	117	879067	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.60	152	445325	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	231705	46.72	ug/l	-0.02
Spiked Amount			Recovery	=	93.44%	
35) Dibromofluoromethane	4.30	113	465042	52.17	ug/l	-0.02
Spiked Amount			Recovery	=	104.34%	
50) Toluene-d8	7.70	98	1016105	47.75	ug/l	-0.02
Spiked Amount			Recovery	=	95.50%	
62) 4-Bromofluorobenzene	11.49	95	356350	44.15	ug/l	-0.02
Spiked Amount			Recovery	=	88.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	182112	19.068	ug/l	100
3) Chloromethane	1.14	50	164358	18.689	ug/l	100
4) Vinyl Chloride	1.19	62	160582	19.837	ug/l	97
5) Bromomethane	1.38	94	86412	19.513	ug/l	88
6) Chloroethane	1.43	64	52639	17.706	ug/l	99
7) Trichlorofluoromethane	1.55	101	237196	21.823	ug/l	96
8) Diethyl Ether	1.71	74	48052	22.316	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.91	101	151840	21.939	ug/l	96
10) Methyl Iodide	1.98	142	290270	21.350	ug/l	95
11) Tert butyl alcohol	2.70	59	31781	97.064	ug/l #	91
12) 1,1-Dichloroethene	1.87	96	133443	21.166	ug/l	95
13) Acrolein	2.10	56	30429	89.030	ug/l	87
14) Allyl chloride	2.19	41	141078	24.724	ug/l	94
15) Acrylonitrile	3.08	53	101627	110.033	ug/l	95
16) Acetone	2.34	43	108325	84.193	ug/l	99
17) Carbon Disulfide	1.91	76	283385	15.165	ug/l	97
18) Methyl Acetate	2.46	43	46105	22.803	ug/l	99
19) Methyl tert-butyl Ether	2.55	73	234851	20.838	ug/l	97
20) Methylene Chloride	2.33	84	89859	13.933	ug/l	91
21) trans-1,2-Dichloroethene	2.42	96	129519	21.018	ug/l	98
22) Diisopropyl ether	2.93	45	290504	20.642	ug/l	96
23) Vinyl Acetate	3.35	43	972548	102.444	ug/l	99
24) 1,1-Dichloroethane	3.01	63	230537	22.330	ug/l	99
25) 2-Butanone	4.52	43	267186	97.198	ug/l	97
26) 2,2-Dichloropropane	3.77	77	154513	26.157	ug/l	95
27) cis-1,2-Dichloroethene	3.64	96	226135	22.309	ug/l	95
28) Bromochloromethane	3.90	49	118082	20.393	ug/l	95
29) Tetrahydrofuran	4.26	42	107780	96.892	ug/l	99
30) Chloroform	4.05	83	332840	23.220	ug/l	93
31) Cyclohexane	3.87	56	284808	20.545	ug/l	96
32) 1,1,1-Trichloroethane	4.28	97	208174	21.868	ug/l	96
36) 1,1-Dichloropropene	4.47	75	249068	20.867	ug/l	99
37) Ethyl Acetate	4.30	43	90963	18.665	ug/l	93
38) Carbon Tetrachloride	4.17	117	200434	22.328	ug/l	90

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052219\
 Data File : VF062702.D
 Acq On : 22 May 2019 13:34
 Operator : FY/SY
 Sample : VF0522SBSD01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0522SBSD01

Quant Time: May 23 01:21:25 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	5.63	83	295282	20.560	ug/l	97
40) Benzene	4.81	78	689121	21.193	ug/l	98
41) Methacrylonitrile	4.92	41	52280	20.462	ug/l #	90
42) 1,2-Dichloroethane	5.12	62	134864	20.798	ug/l	98
43) Isopropyl Acetate	7.11	43	106920	16.934	ug/l	91
44) Trichloroethene	5.68	130	194016	21.229	ug/l	98
45) 1,2-Dichloropropane	6.40	63	167593	20.417	ug/l	98
46) Dibromomethane	6.25	93	101075	21.306	ug/l	98
47) Bromodichloromethane	6.55	83	207109	21.030	ug/l	99
48) Methyl methacrylate	6.86	41	58501	17.727	ug/l	92
49) 1,4-Dioxane	6.86	88	14279	337.825	ug/l #	79
51) 4-Methyl-2-Pentanone	8.39	43	412332	95.542	ug/l	95
52) Toluene	7.77	92	362666	21.267	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	162115	20.121	ug/l	92
54) cis-1,3-Dichloropropene	7.46	75	233263	20.682	ug/l	96
55) 1,1,2-Trichloroethane	8.63	97	103577	20.513	ug/l	98
56) Ethyl methacrylate	8.75	69	103314	17.174	ug/l	92
57) 1,3-Dichloropropane	8.98	76	172473	20.054	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.45	63	174211	88.971	ug/l	99
59) 2-Hexanone	9.62	43	271114	84.775	ug/l	97
60) Dibromochloromethane	8.86	129	133228	20.245	ug/l	89
61) 1,2-Dibromoethane	9.12	107	109131	20.349	ug/l	94
64) Tetrachloroethene	8.29	164	142018	20.393	ug/l	97
65) Chlorobenzene	9.92	112	353528	20.476	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	146066	21.073	ug/l	97
67) Ethyl Benzene	10.02	91	603707	20.127	ug/l	96
68) m/p-Xylenes	10.25	106	487269	43.224	ug/l	82
69) o-Xylene	10.81	106	257532	22.179	ug/l	95
70) Styrene	10.89	104	370724	21.006	ug/l	98
71) Bromoform	10.87	173	73359	21.132	ug/l #	97
73) Isopropylbenzene	11.21	105	708046	22.184	ug/l	97
74) N-amyl acetate	11.44	43	160763	16.142	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.76	83	139042	21.317	ug/l	98
76) 1,2,3-Trichloropropane	11.86	75	87572	20.433	ug/l	99
77) Bromobenzene	11.58	156	152949	19.279	ug/l	90
78) n-propylbenzene	11.67	91	773836	20.486	ug/l	92
79) 2-Chlorotoluene	11.79	91	446804	20.989	ug/l	98
80) 1,3,5-Trimethylbenzene	11.89	105	564618	22.062	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.93	75	48289	25.347	ug/l	92
82) 4-Chlorotoluene	11.96	91	449892	21.431	ug/l	91
83) tert-Butylbenzene	12.19	119	589539	22.705	ug/l	96
84) 1,2,4-Trimethylbenzene	12.27	105	556847	22.480	ug/l	97
85) sec-Butylbenzene	12.37	105	793046	22.759	ug/l	98
86) p-Isopropyltoluene	12.51	119	638764	21.752	ug/l	96
87) 1,3-Dichlorobenzene	12.53	146	307176	21.401	ug/l	99
88) 1,4-Dichlorobenzene	12.62	146	295963	21.972	ug/l	97
89) n-Butylbenzene	12.89	91	653945	22.586	ug/l	89
90) Hexachloroethane	12.97	117	156382	22.199	ug/l	91
91) 1,2-Dichlorobenzene	12.99	146	280130	21.894	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.68	75	17031	21.887	ug/l	66

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052219\
Data File : VF062702.D
Acq On : 22 May 2019 13:34
Operator : FY/SY
Sample : VF0522SBSD01
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBSD01

Quant Time: May 23 01:21:25 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

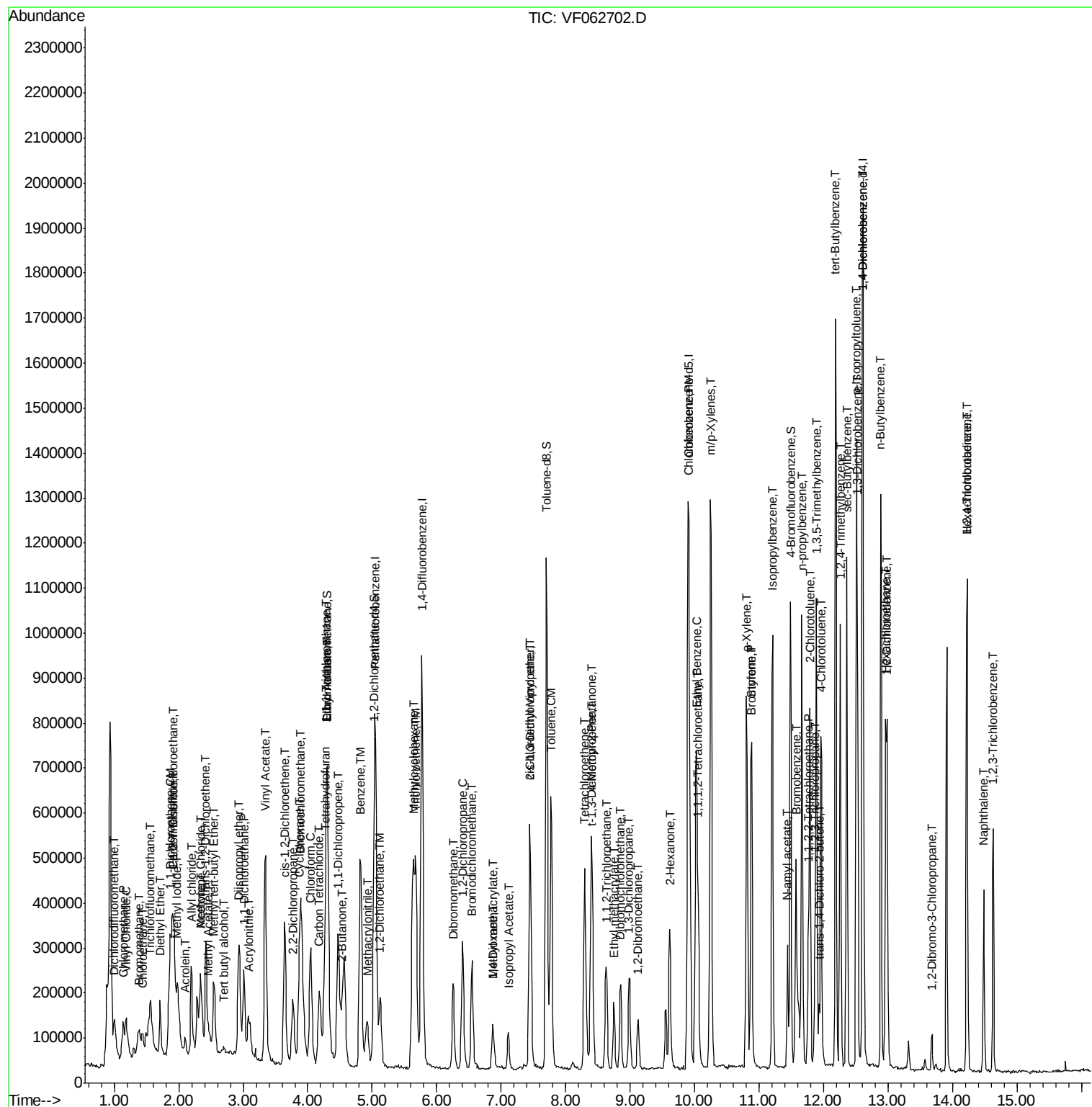
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	183171	20.000	ug/l	96
94) Hexachlorobutadiene	14.22	225	126487	19.790	ug/l	96
95) Naphthalene	14.48	128	276273	16.605	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	163293	18.824	ug/l	97

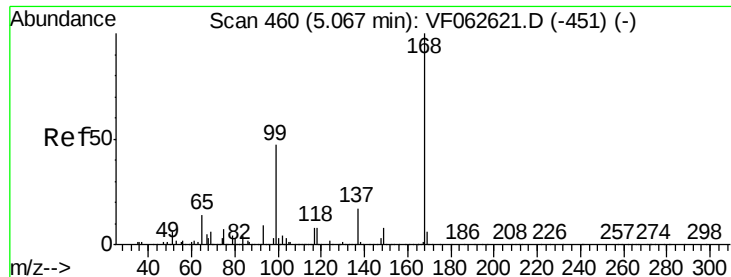
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052219\
Data File : VF062702.D
Acq On : 22 May 2019 13:34
Operator : FY/SY
Sample : VF0522SBSD01
Misc : 5.00µ/5mL/MSVOA F/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBSD01

Quant Time: May 23 01:21:25 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: 5.05 min Scan# 458

Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

ClientSampleId :

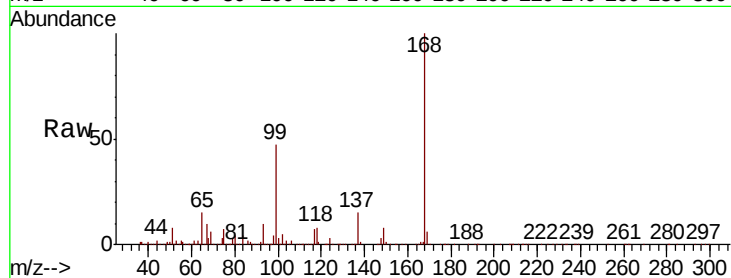
VF0522SBS01

Tot Ion:168 Resp: 701820

Ion Ratio Lower Upper

168 100

99 46.5 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

250000

200000

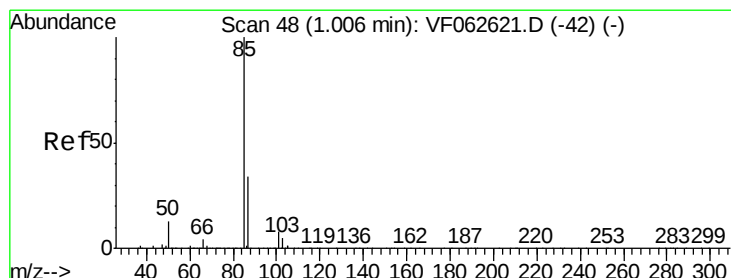
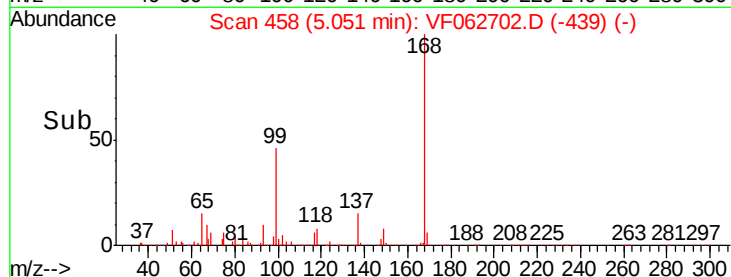
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.068 ug/l

RT: 1.00 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF062702.D

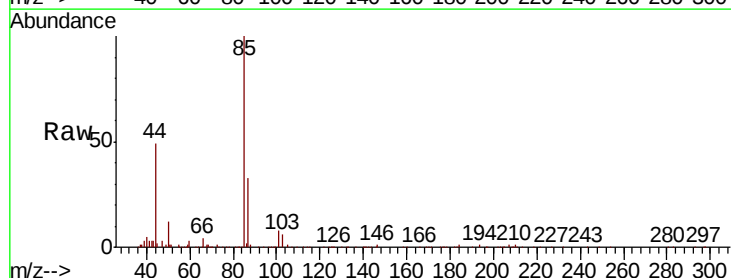
Acq: 22 May 2019 13:34

Tgt Ion: 85 Resp: 182112

Ion Ratio Lower Upper

85 100

87 33.5 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

60000

50000

40000

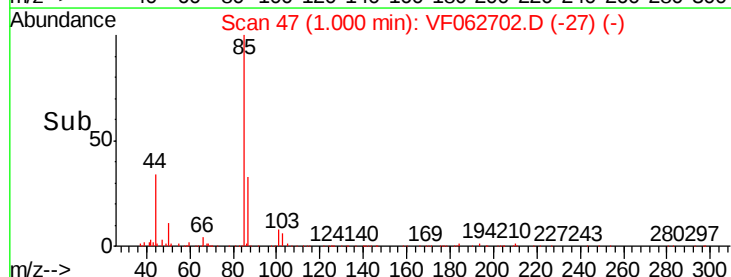
30000

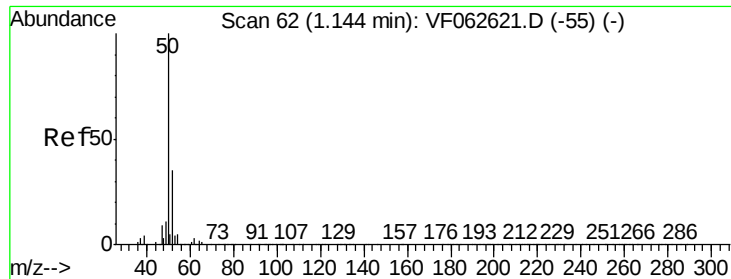
20000

10000

0

Time-->





#3

Chloromethane

Concen: 18.689 ug/l

RT: 1.14 min Scan# 61

Delta R.T. -0.01 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

ClientSampleId :

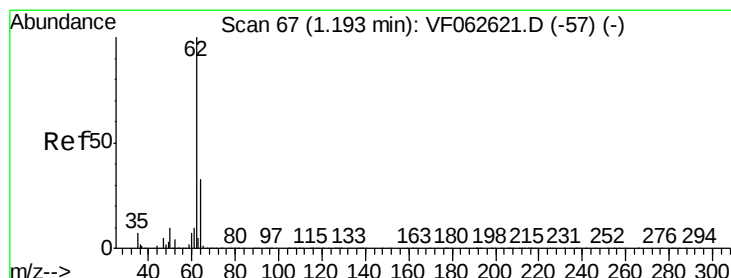
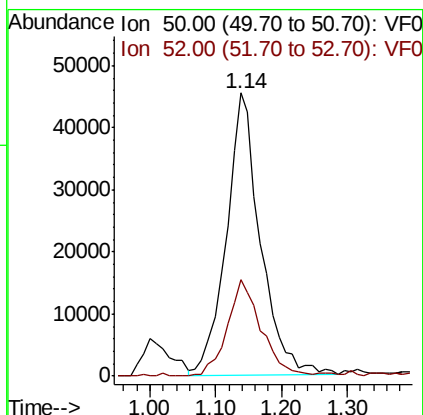
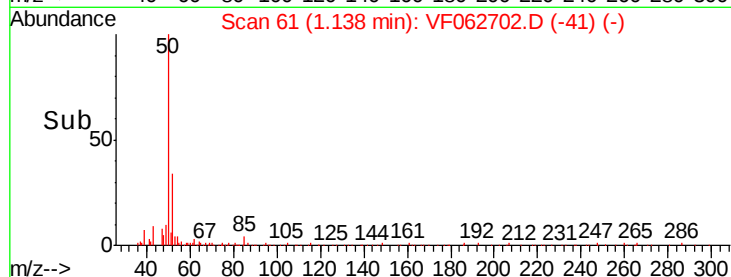
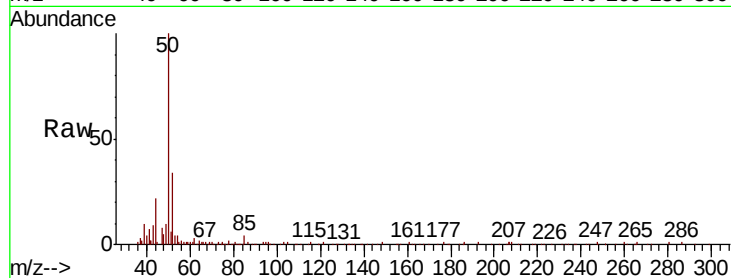
VF0522SBSD01

Tot Ion: 50 Resp: 164358

Ion Ratio Lower Upper

50 100

52 34.2 27.5 41.3



#4

Vinyl Chloride

Concen: 19.837 ug/l

RT: 1.19 min Scan# 66

Delta R.T. -0.01 min

Lab File: VF062702.D

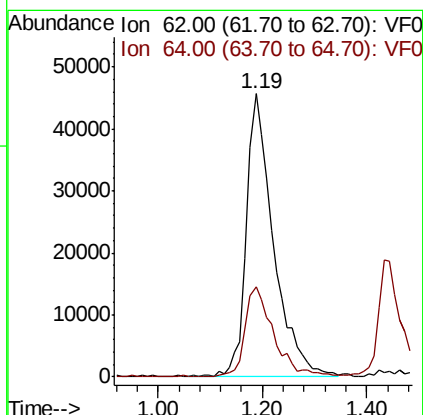
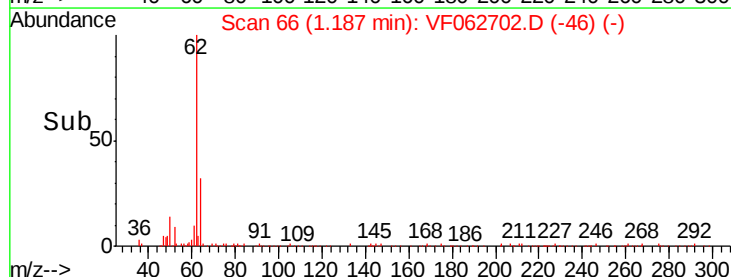
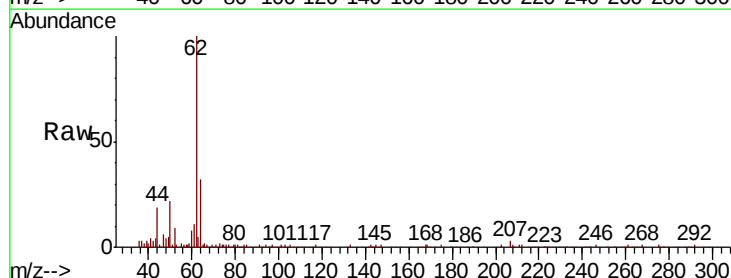
Acq: 22 May 2019 13:34

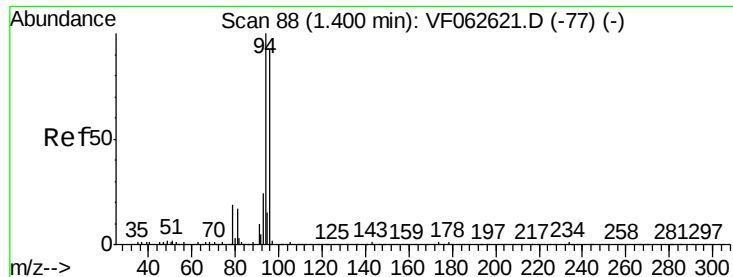
Tgt Ion: 62 Resp: 160582

Ion Ratio Lower Upper

62 100

64 31.8 26.7 40.1





#5

Bromomethane

Concen: 19.513 ug/l

RT: 1.38 min Scan# 86

Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

ClientSampleId :

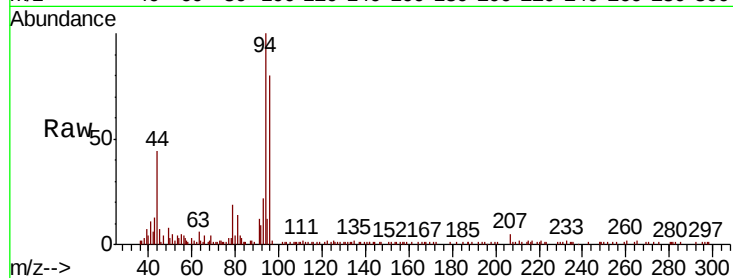
VF0522SBSD01

Tot Ion: 94 Resp: 86412

Ion Ratio Lower Upper

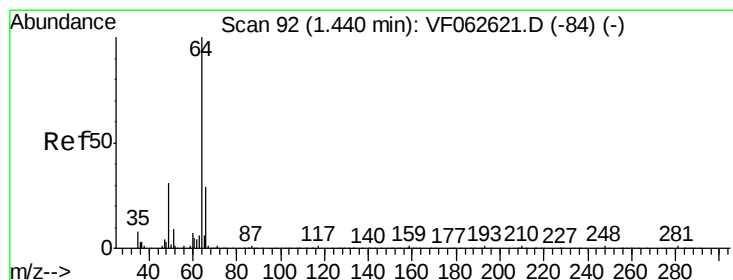
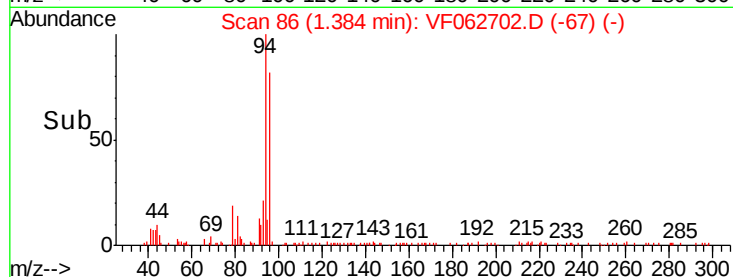
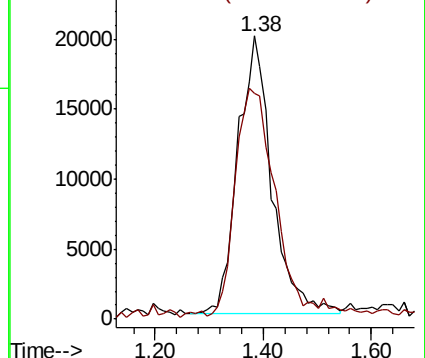
94 100

96 79.9 73.2 109.8



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 17.706 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.01 min

Lab File: VF062702.D

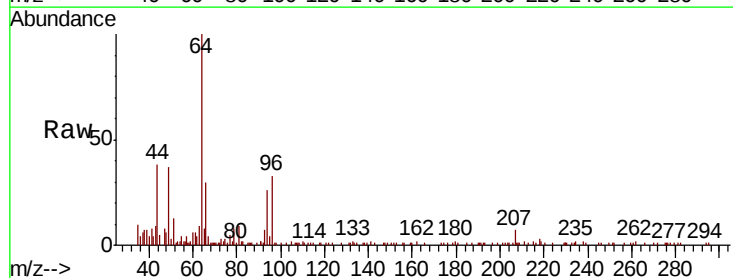
Acq: 22 May 2019 13:34

Tgt Ion: 64 Resp: 52639

Ion Ratio Lower Upper

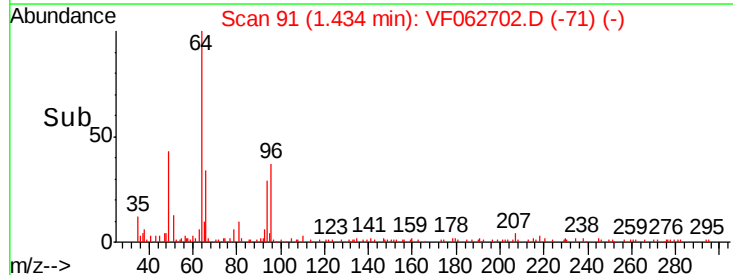
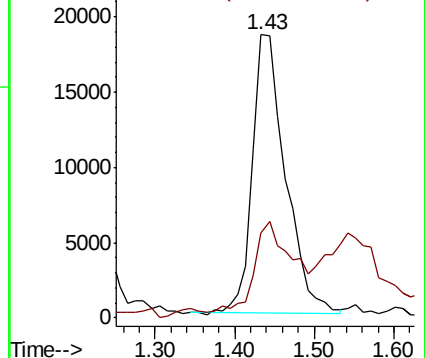
64 100

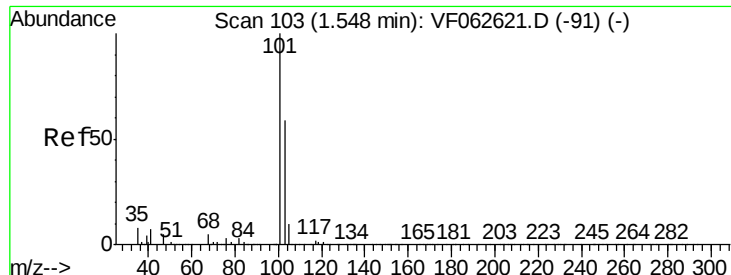
66 30.0 23.4 35.2



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



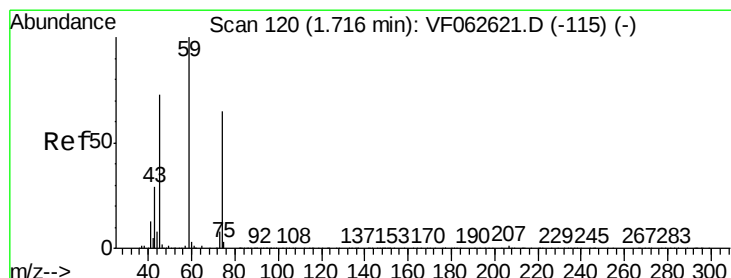
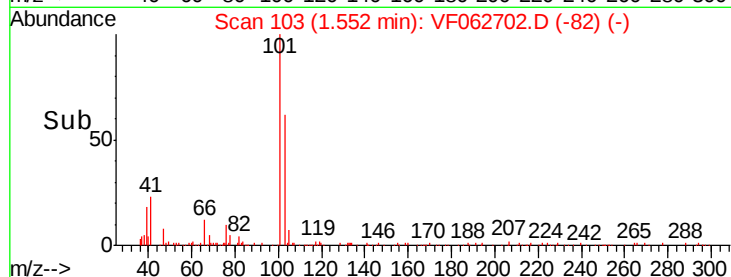
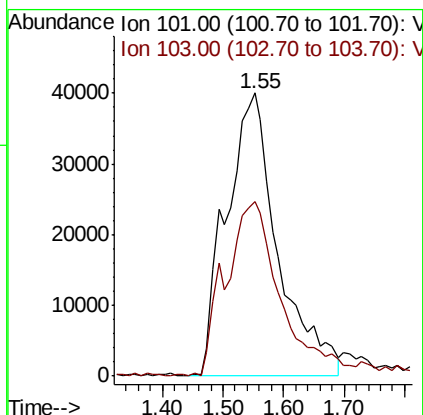
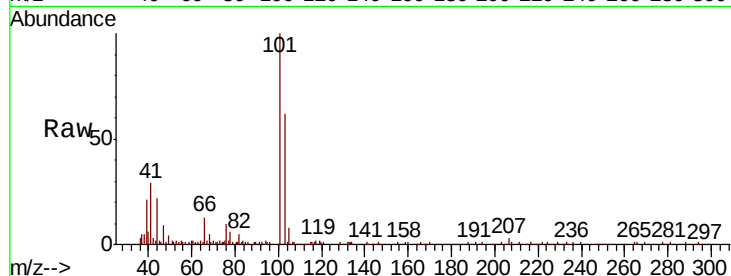


#7

Trichlorofluoromethane
Concen: 21.823 ug/l
RT: 1.55 min Scan# 103
Delta R.T. 0.00 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Instrument :
MSVOA_F
ClientSampleId :
VF0522SBSD01

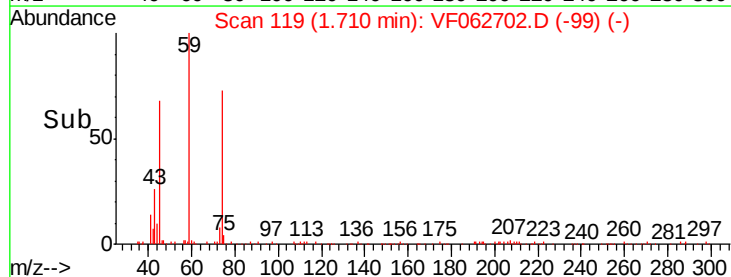
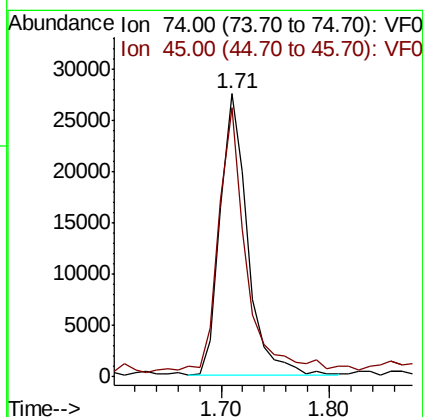
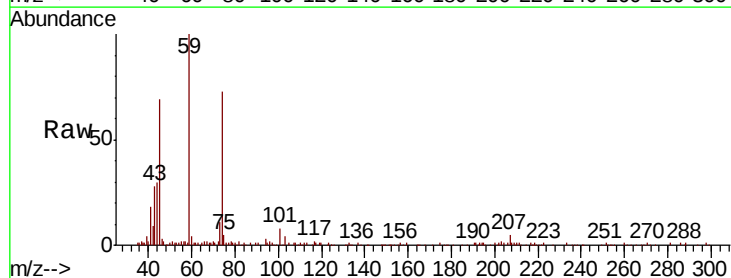
Tot Ion:101 Resp: 237196
Ion Ratio Lower Upper
101 100
103 61.8 47.3 70.9

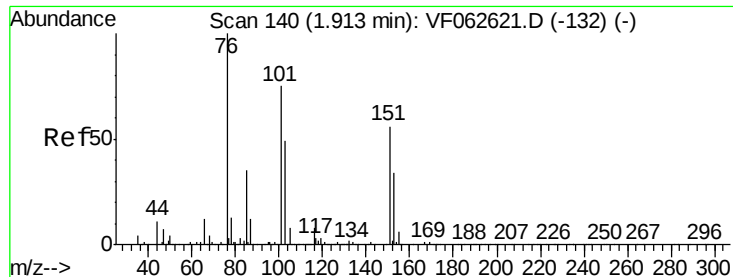


#8

Diethyl Ether
Concen: 22.316 ug/l
RT: 1.71 min Scan# 119
Delta R.T. -0.01 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Tgt Ion: 74 Resp: 48052
Ion Ratio Lower Upper
74 100
45 95.2 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.939 ug/l

RT: 1.91 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

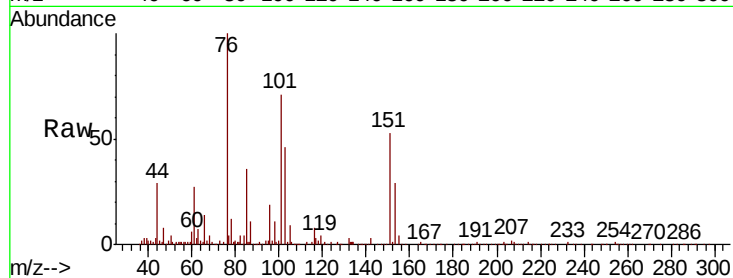
Tot Ion:101 Resp: 151840

Ion Ratio Lower Upper

101 100

85 52.4 37.1 55.7

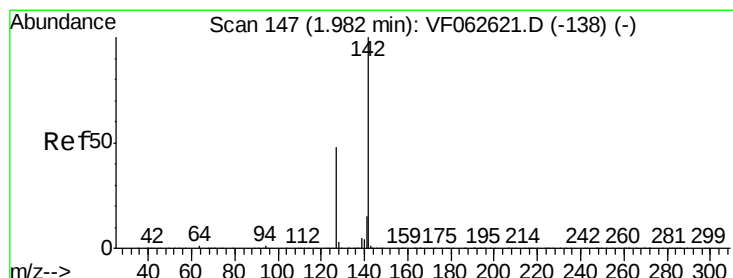
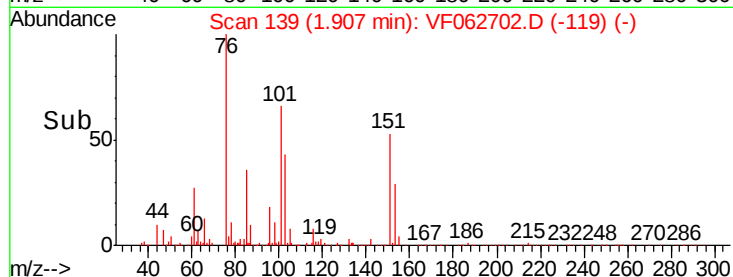
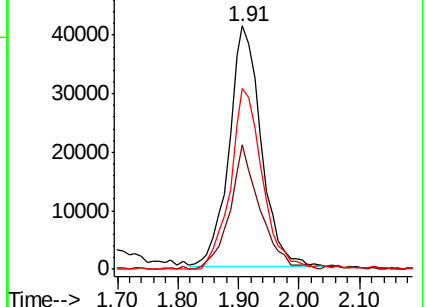
151 74.5 58.8 88.2



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: 21.350 ug/l

RT: 1.98 min Scan# 146

Delta R.T. -0.01 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

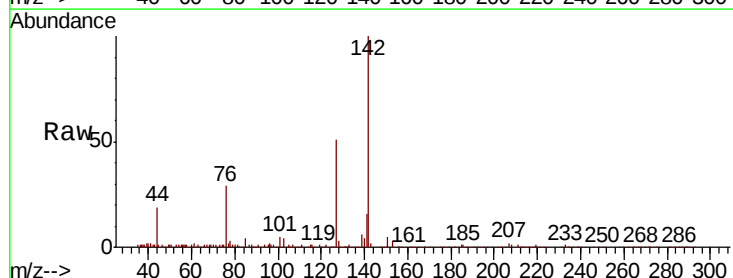
Tgt Ion:142 Resp: 290270

Ion Ratio Lower Upper

142 100

127 51.2 38.1 57.1

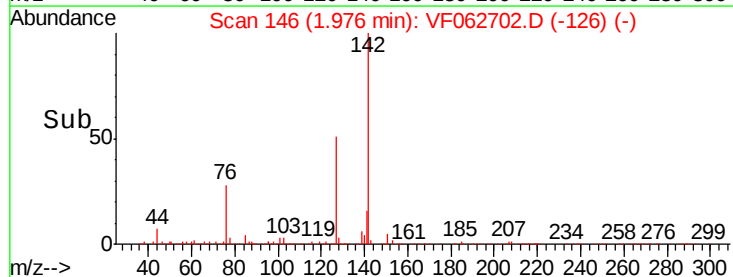
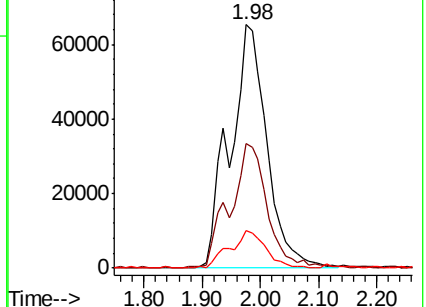
141 15.7 11.7 17.5

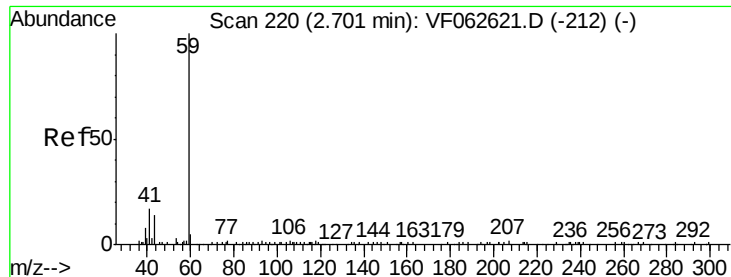


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

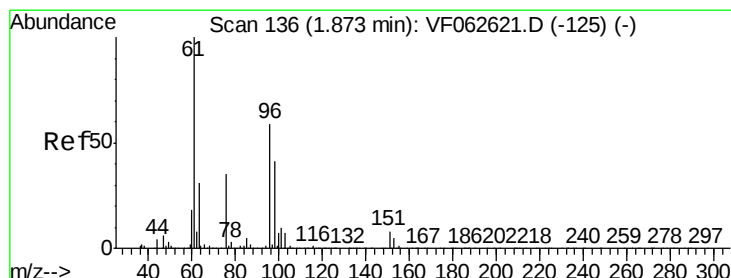
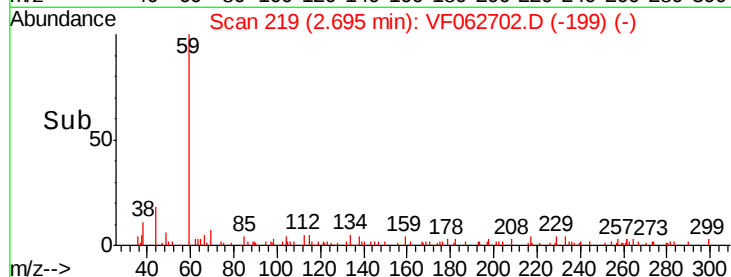
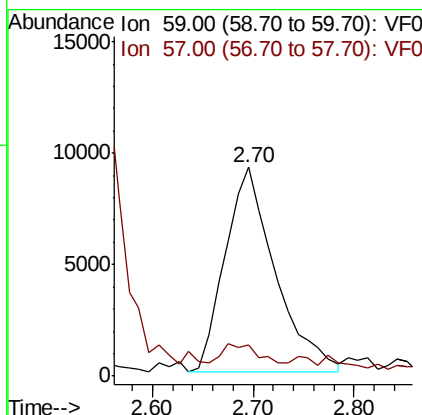
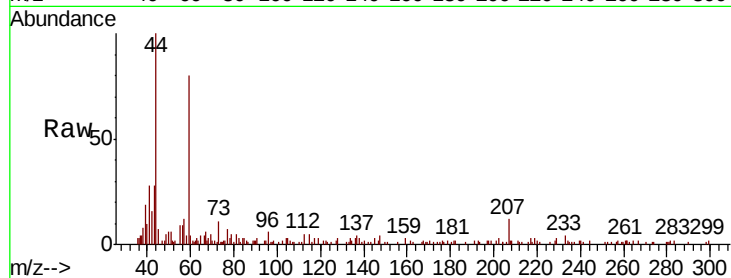




#11
Tert butyl alcohol
Concen: 97.064 ug/l
RT: 2.70 min Scan# 219
Delta R.T. -0.01 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

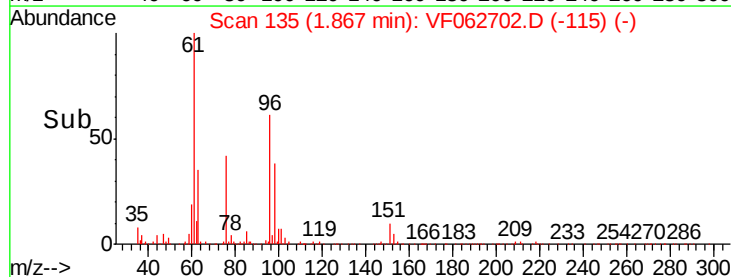
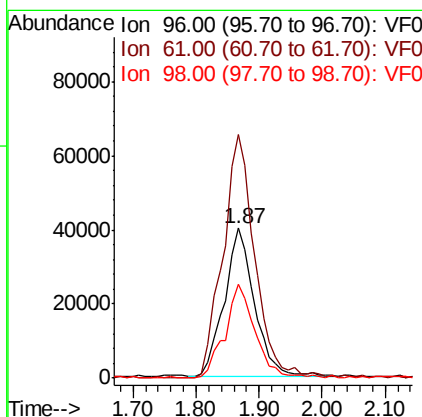
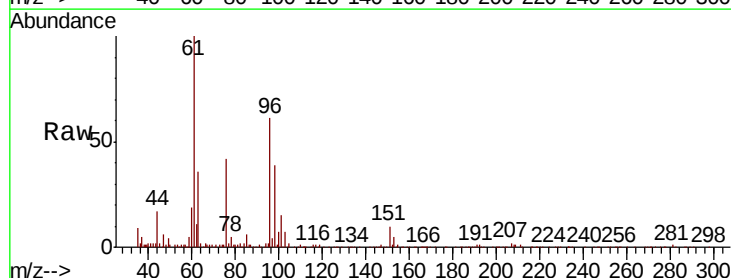
Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

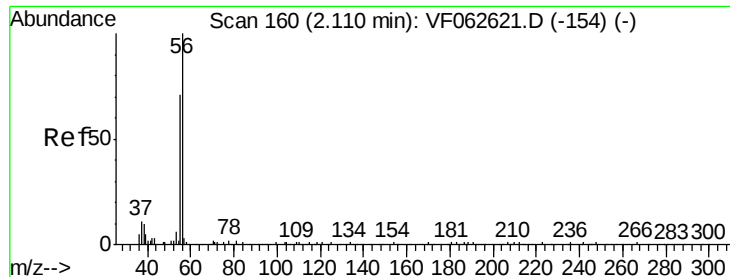
Tot Ion: 59 Resp: 31781
Ion Ratio Lower Upper
59 100
57 15.1 9.3 13.9#



#12
1,1-Dichloroethene
Concen: 21.166 ug/l
RT: 1.87 min Scan# 135
Delta R.T. -0.01 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Tgt Ion: 96 Resp: 133443
Ion Ratio Lower Upper
96 100
61 162.6 134.3 201.5
98 62.9 55.0 82.6





#13

Acrolein

Concen: 89.030 ug/l

RT: 2.10 min Scan# 159

Delta R.T. -0.01 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

ClientSampleId :

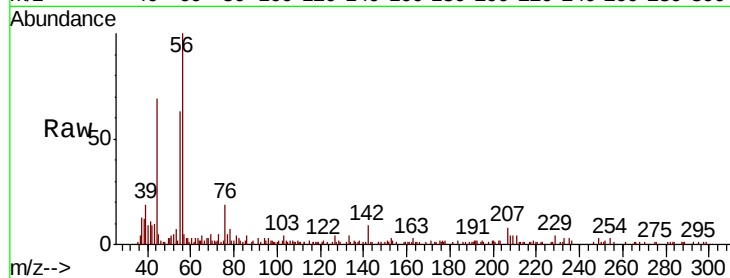
VF0522SBSD01

Tot Ion: 56 Resp: 30429

Ion Ratio Lower Upper

56 100

55 63.3 59.4 89.0



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

15000

10000

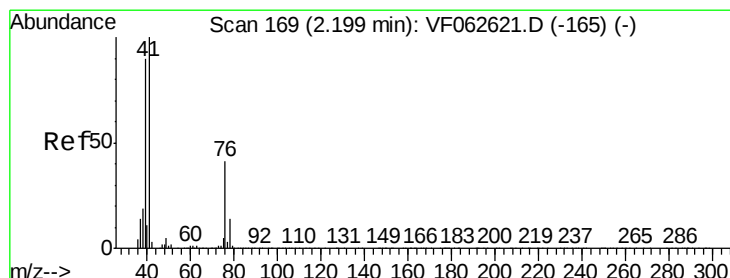
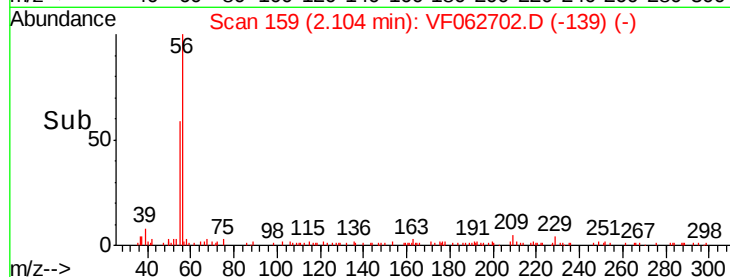
5000

0

2.10

2.00 2.05 2.10 2.15

Time-->



#14

Allyl chloride

Concen: 24.724 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.01 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

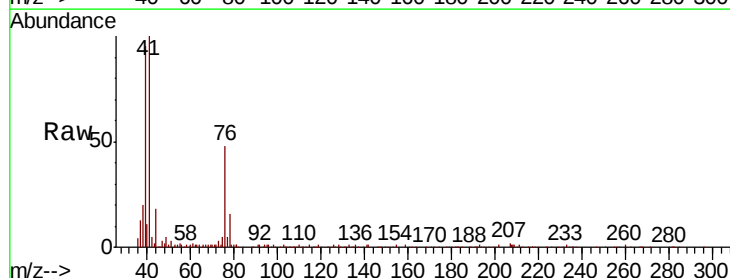
Tgt Ion: 41 Resp: 141078

Ion Ratio Lower Upper

41 100

39 94.9 72.0 108.0

76 48.2 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

80000

60000

40000

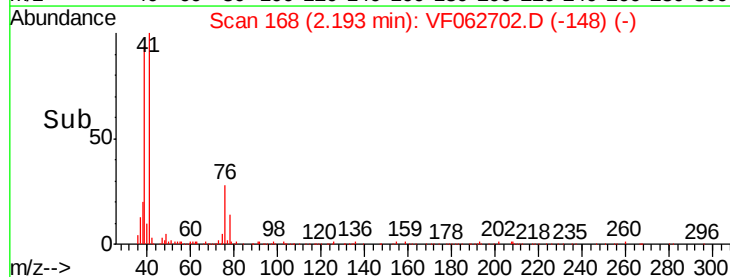
20000

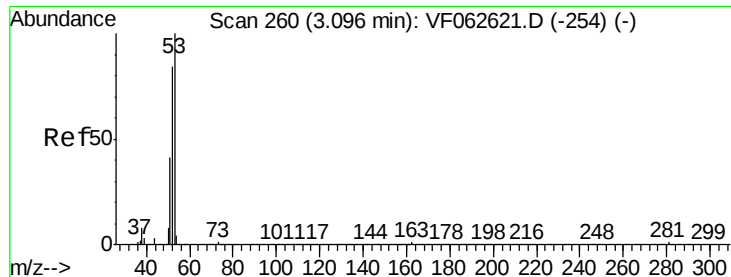
0

2.19

2.10 2.20 2.30 2.40

Time-->





#15

Acrylonitrile

Concen: 110.033 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

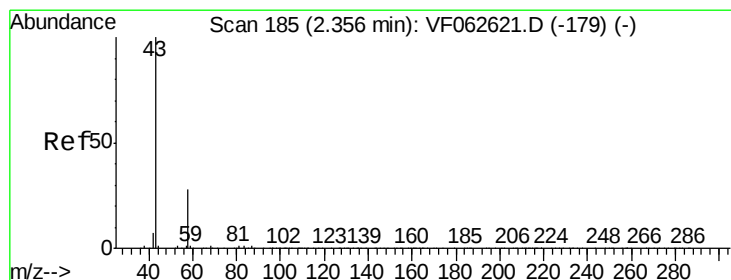
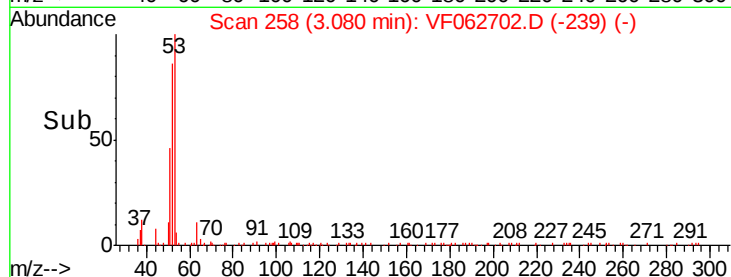
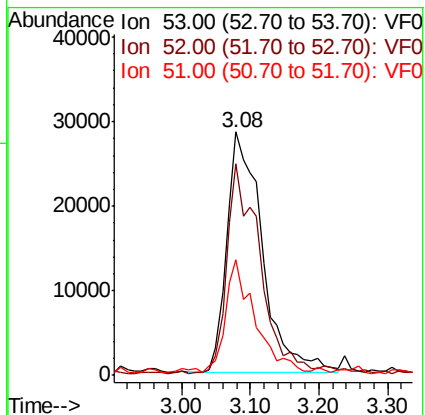
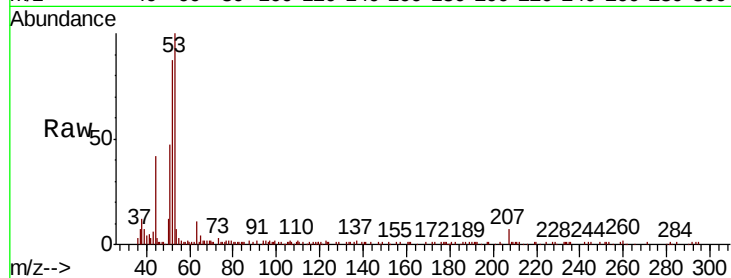
Tot Ion: 53 Resp: 101627

Ion Ratio Lower Upper

53 100

52 86.7 67.3 100.9

51 47.4 33.0 49.6



#16

Acetone

Concen: 84.193 ug/l

RT: 2.34 min Scan# 183

Delta R.T. -0.02 min

Lab File: VF062702.D

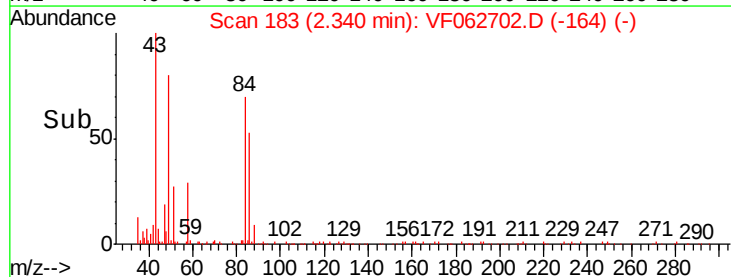
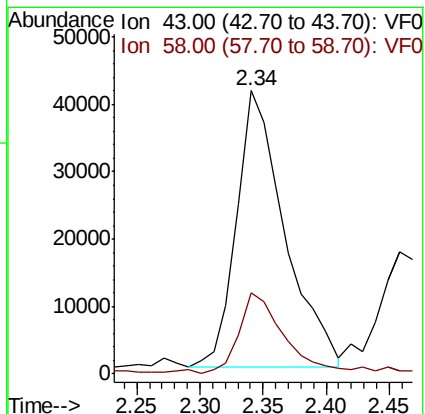
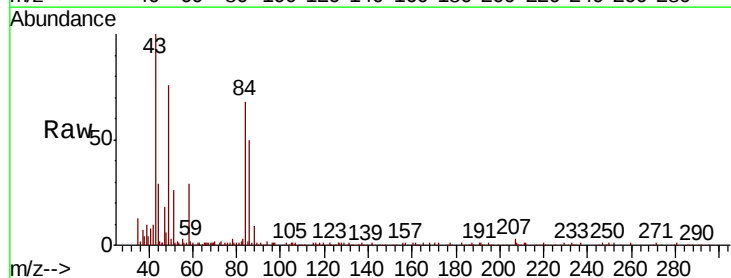
Acq: 22 May 2019 13:34

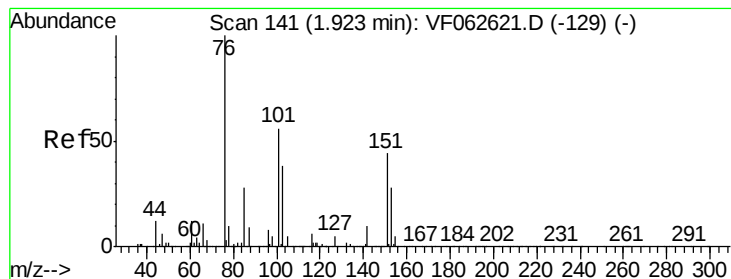
Tgt Ion: 43 Resp: 108325

Ion Ratio Lower Upper

43 100

58 28.8 22.6 33.8





#17

Carbon Disulfide

Concen: 15.165 ug/l

RT: 1.91 min Scan# 139

Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

ClientSampleId :

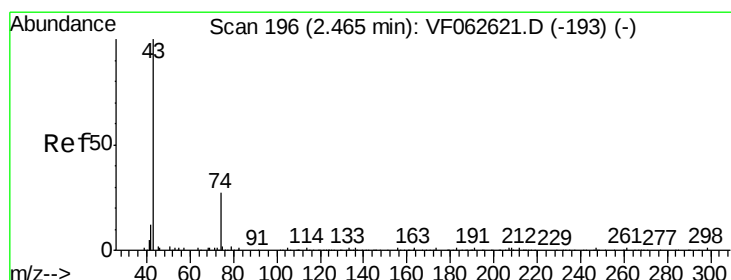
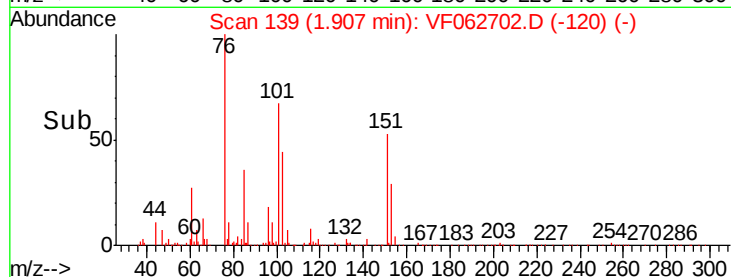
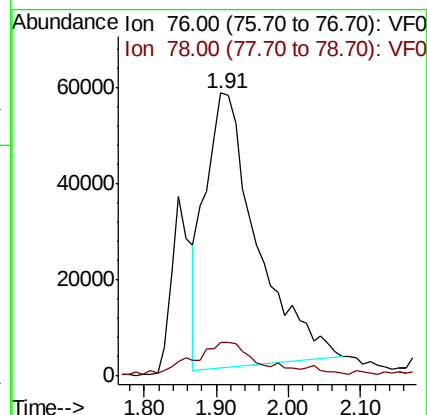
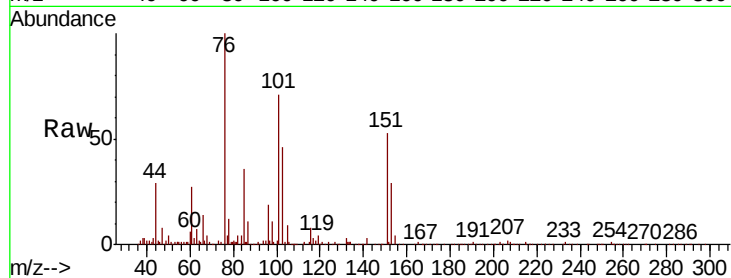
VF0522SBSD01

Tot Ion: 76 Resp: 283385

Ion Ratio Lower Upper

76 100

78 11.8 8.4 12.6



#18

Methyl Acetate

Concen: 22.803 ug/l

RT: 2.46 min Scan# 195

Delta R.T. -0.01 min

Lab File: VF062702.D

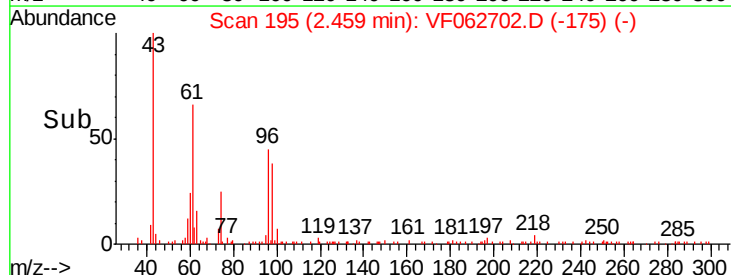
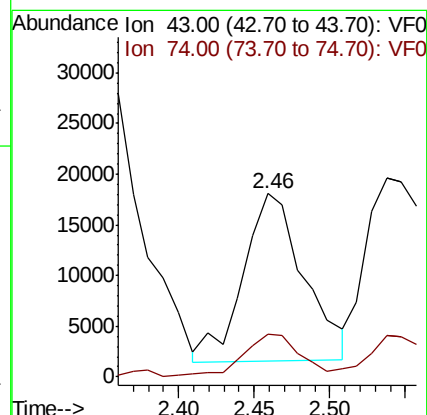
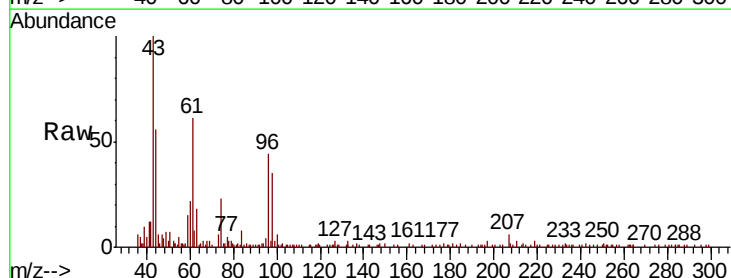
Acq: 22 May 2019 13:34

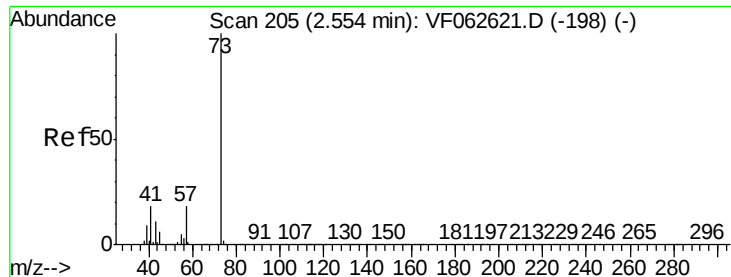
Tgt Ion: 43 Resp: 46105

Ion Ratio Lower Upper

43 100

74 23.1 18.9 28.3



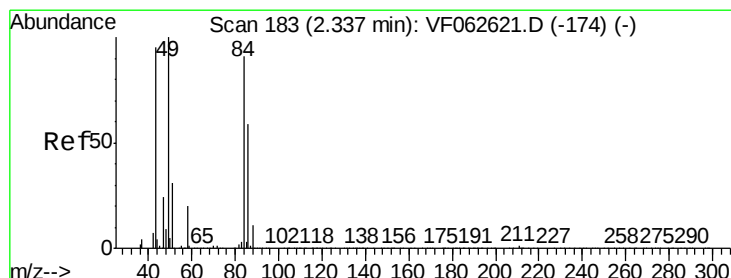
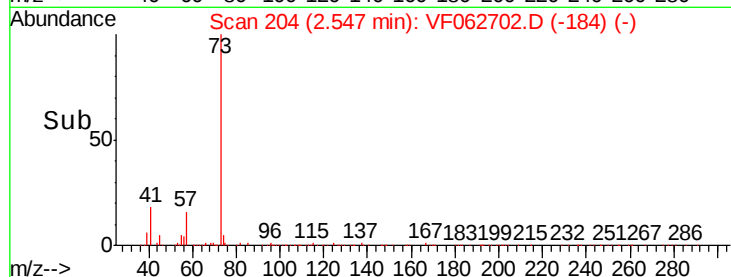
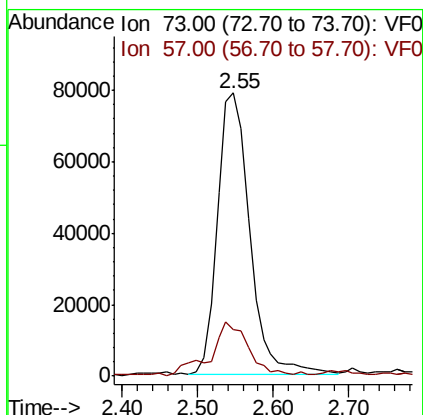
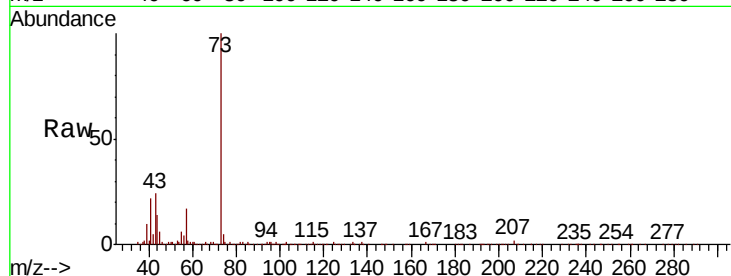


#19

Methyl tert-butyl Ether
 Concen: 20.838 ug/l
 RT: 2.55 min Scan# 204
 Delta R.T. -0.01 min
 Lab File: VF062702.D
 Acq: 22 May 2019 13:34

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0522SBSD01

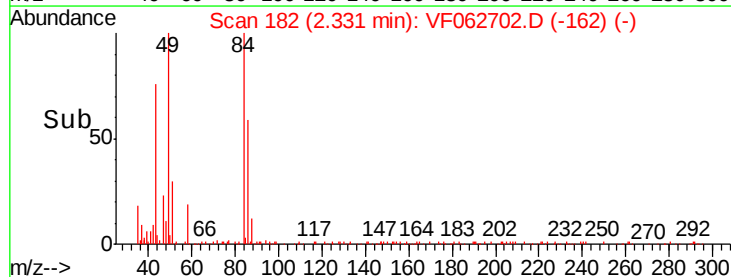
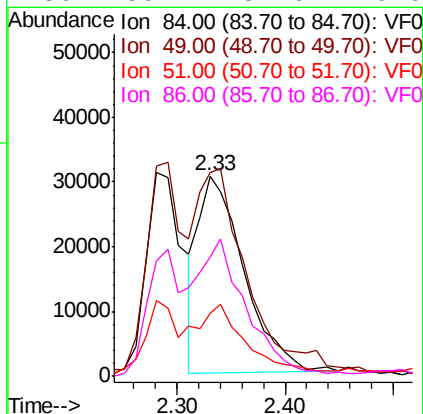
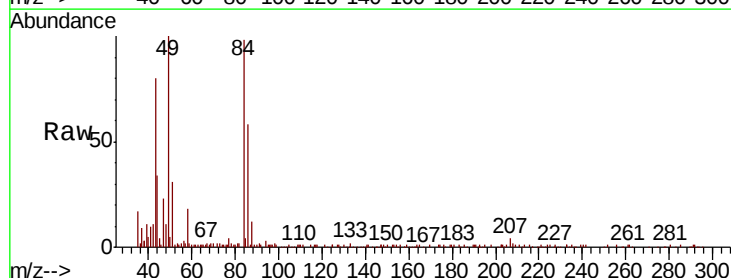
Tot Ion: 73 Resp: 234851
 Ion Ratio Lower Upper
 73 100
 57 16.6 14.2 21.4

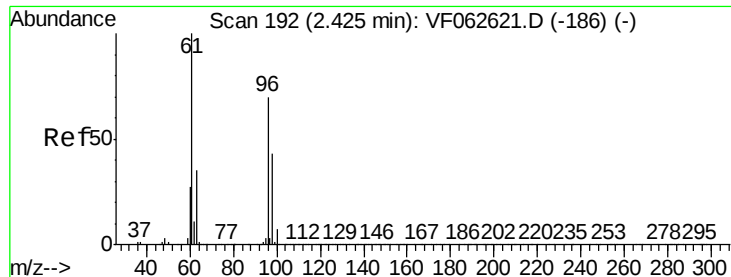


#20

Methylene Chloride
 Concen: 13.933 ug/l
 RT: 2.33 min Scan# 182
 Delta R.T. -0.01 min
 Lab File: VF062702.D
 Acq: 22 May 2019 13:34

Tgt Ion: 84 Resp: 89859
 Ion Ratio Lower Upper
 84 100
 49 101.8 89.8 134.8
 51 31.5 28.4 42.6
 86 59.4 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 21.018 ug/l

RT: 2.42 min Scan# 191

Delta R.T. -0.01 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

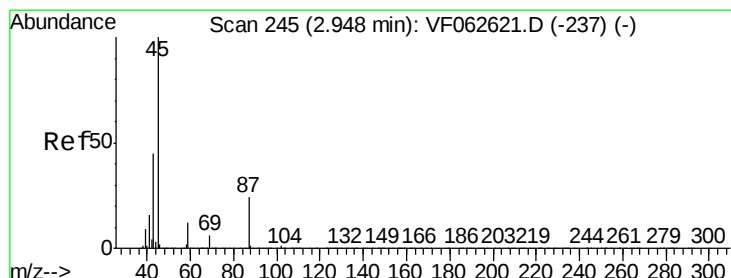
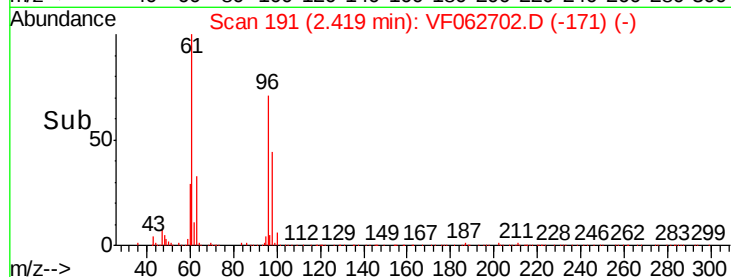
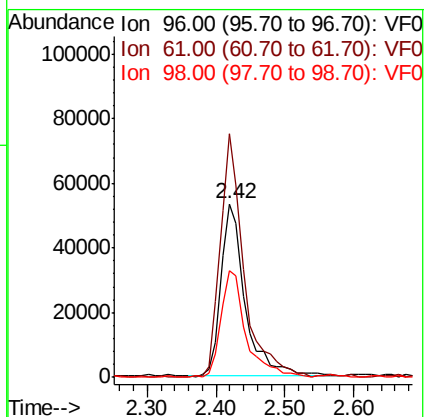
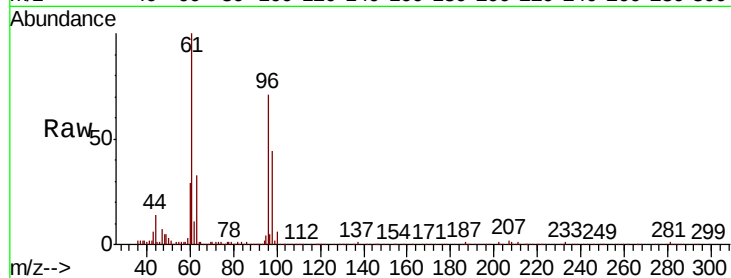
Tot Ion: 96 Resp: 129519

Ion Ratio Lower Upper

96 100

61 140.3 114.6 171.8

98 61.3 49.5 74.3



#22

Diisopropyl ether

Concen: 20.642 ug/l

RT: 2.93 min Scan# 243

Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Tgt Ion: 45 Resp: 290504

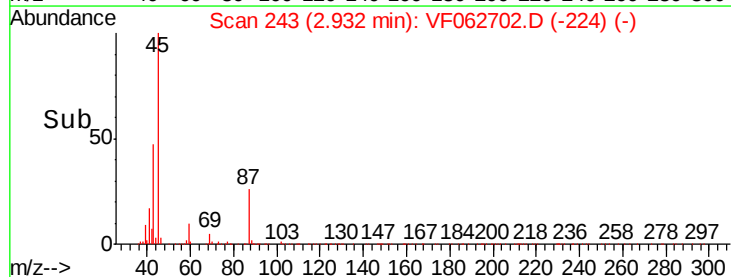
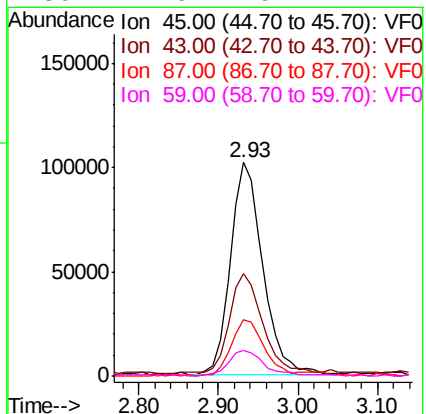
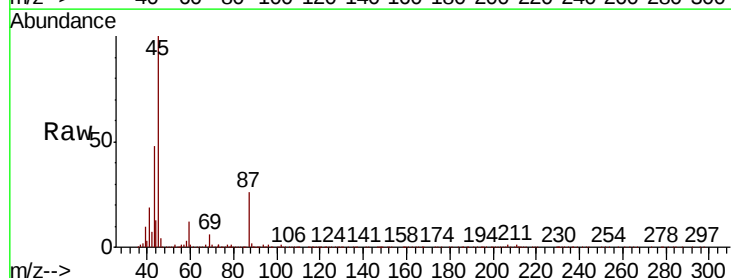
Ion Ratio Lower Upper

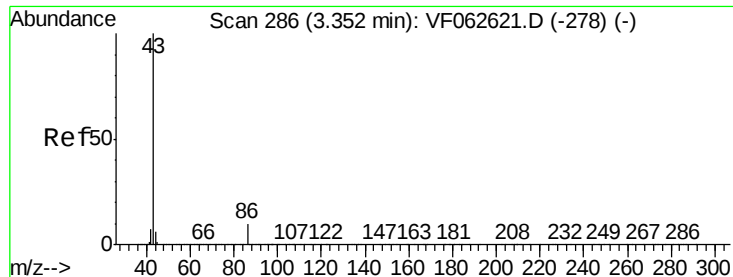
45 100

43 48.2 36.4 54.6

87 26.4 19.3 28.9

59 11.9 9.4 14.2





#23

Vinyl Acetate

Concen: 102.444 ug/l

RT: 3.35 min Scan# 285

Delta R.T. -0.01 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

ClientSampleId :

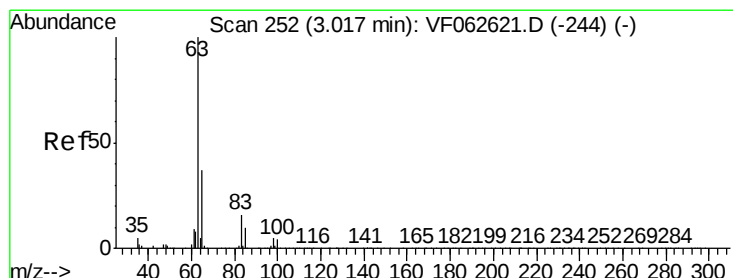
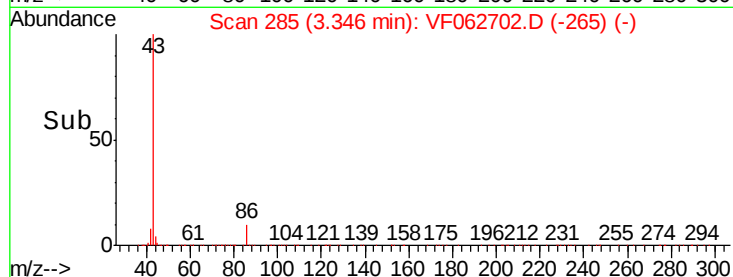
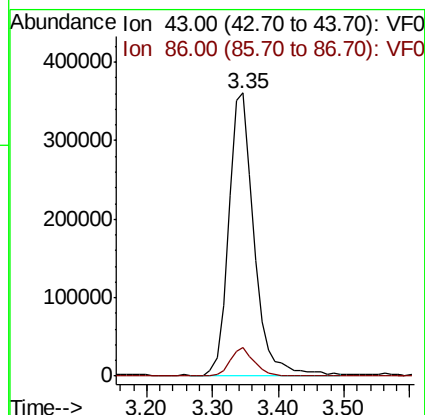
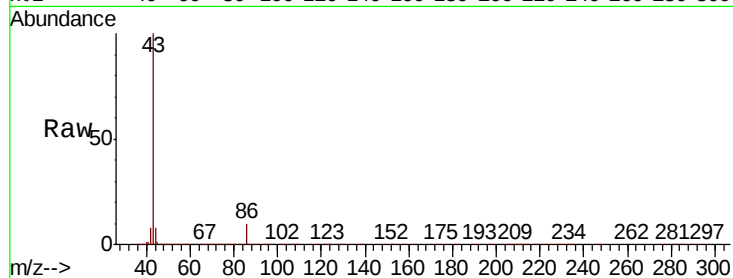
VF0522SBSD01

Tot Ion: 43 Resp: 972548

Ion Ratio Lower Upper

43 100

86 10.0 8.2 12.2



#24

1,1-Dichloroethane

Concen: 22.330 ug/l

RT: 3.01 min Scan# 251

Delta R.T. -0.01 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

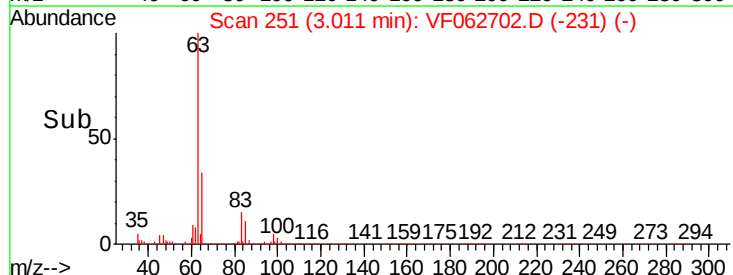
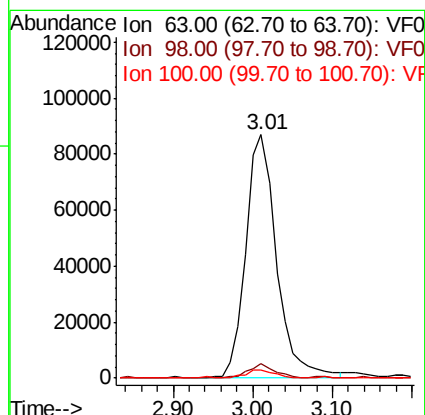
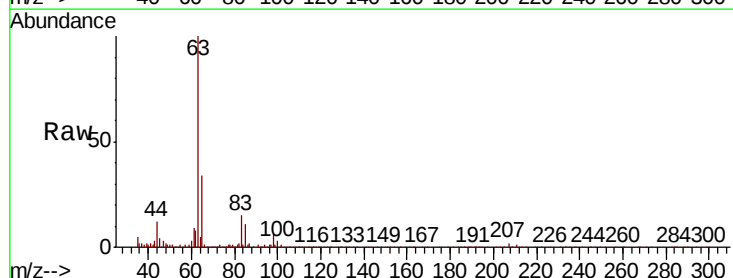
Tgt Ion: 63 Resp: 230537

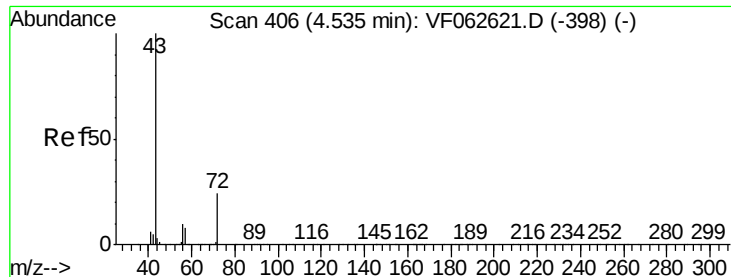
Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.3

100 3.3 1.9 5.7





#25

2-Butanone

Concen: 97.198 ug/l

RT: 4.52 min Scan# 404

Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

ClientSampleId :

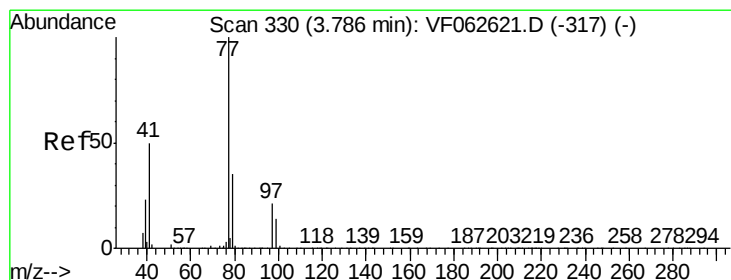
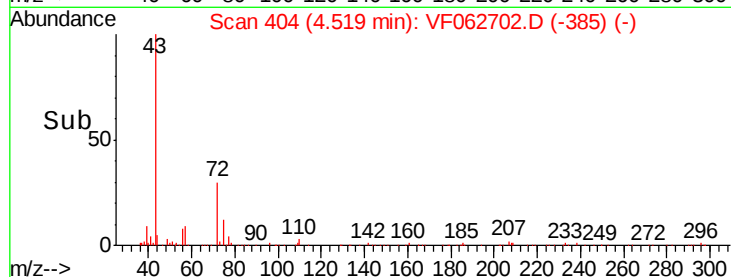
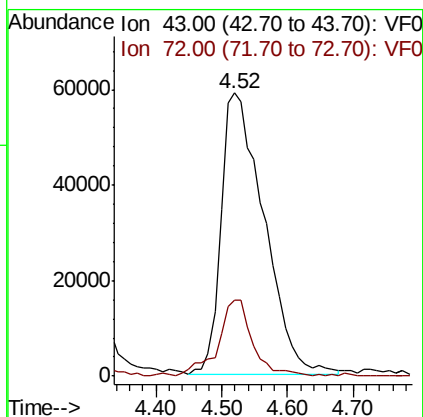
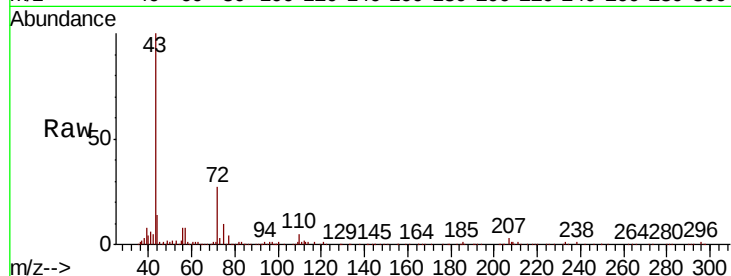
VF0522SBSD01

Tot Ion: 43 Resp: 267186

Ion Ratio Lower Upper

43 100

72 26.8 20.1 30.1



#26

2,2-Dichloropropane

Concen: 26.157 ug/l

RT: 3.77 min Scan# 328

Delta R.T. -0.02 min

Lab File: VF062702.D

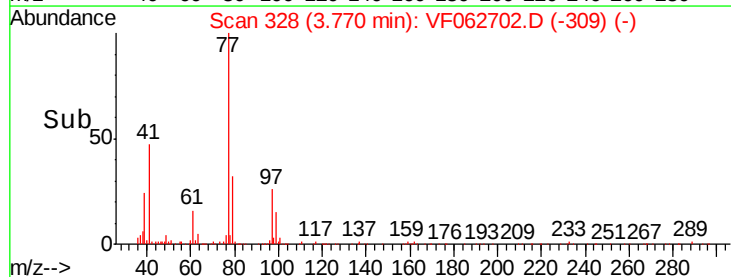
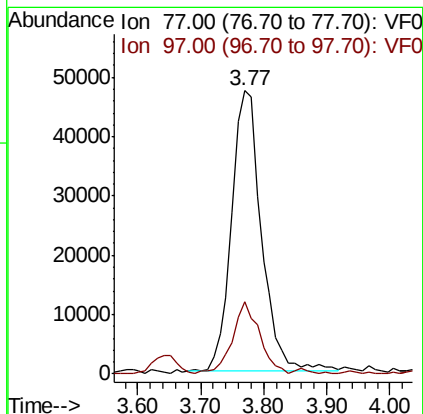
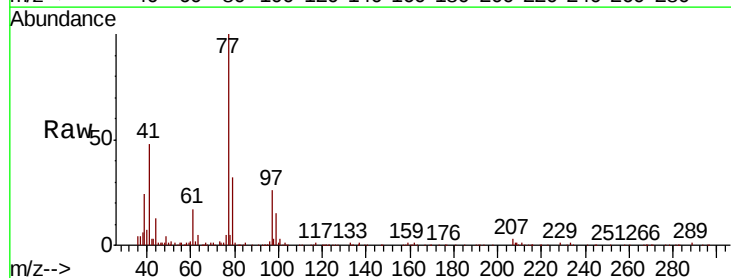
Acq: 22 May 2019 13:34

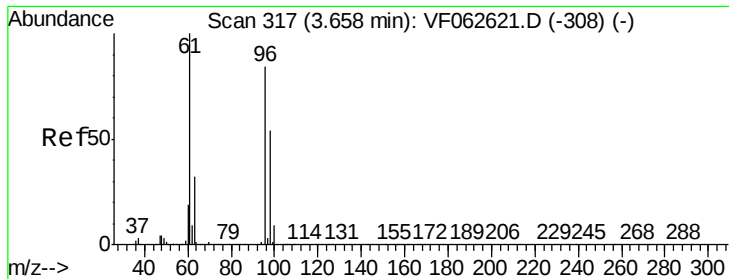
Tgt Ion: 77 Resp: 154513

Ion Ratio Lower Upper

77 100

97 25.5 14.1 42.4



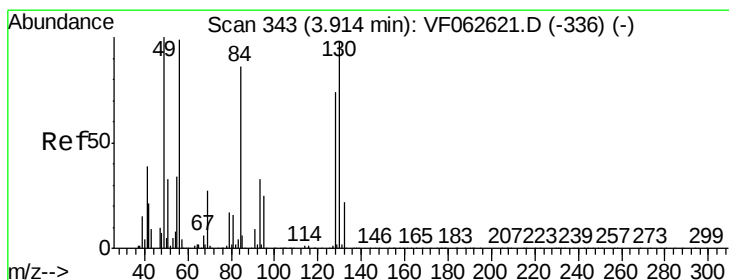
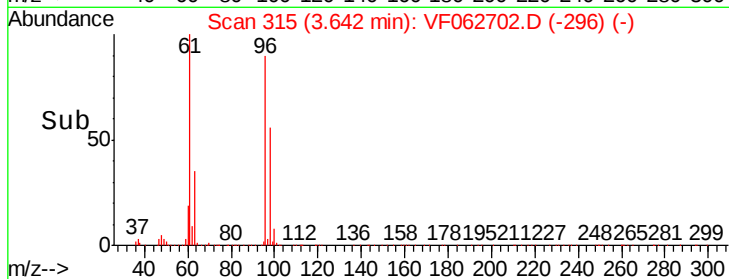
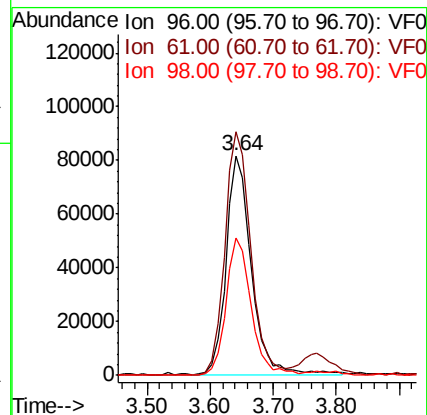
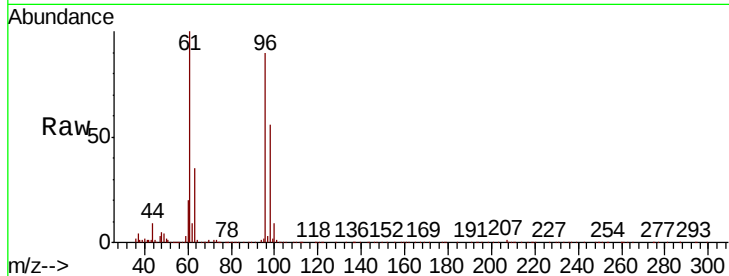


#27

cis-1,2-Dichloroethene
 Concen: 22.309 ug/l
 RT: 3.64 min Scan# 315
 Delta R.T. -0.02 min
 Lab File: VF062702.D
 Acq: 22 May 2019 13:34

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0522SBS01

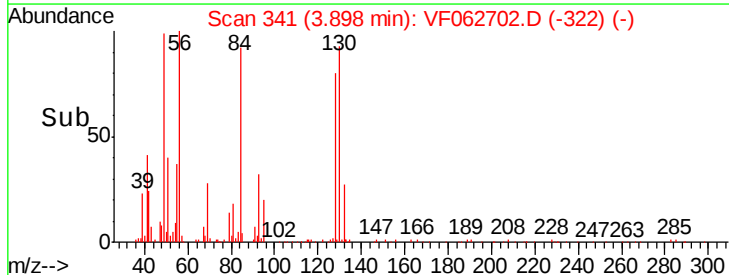
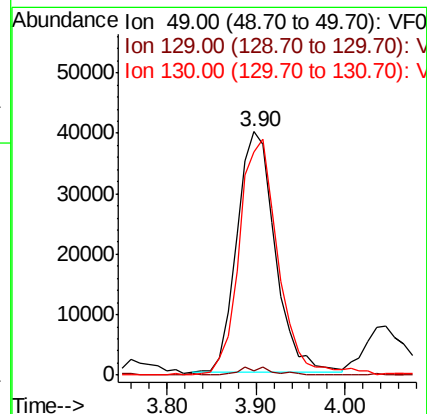
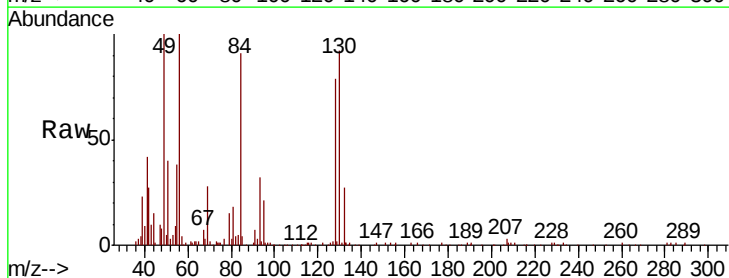
Tot Ion	Ratio	Lower	Upper
96	100		
61	111.0	0.0	237.4
98	62.6	0.0	129.0

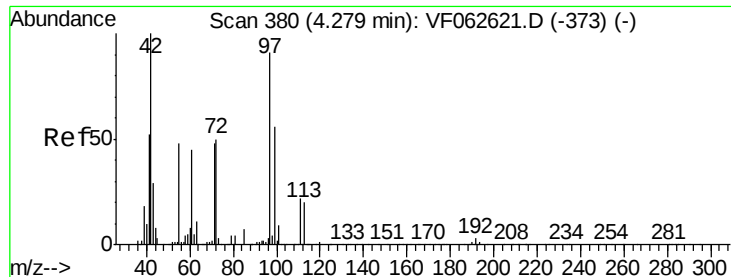


#28

Bromochloromethane
 Concen: 20.393 ug/l
 RT: 3.90 min Scan# 341
 Delta R.T. -0.02 min
 Lab File: VF062702.D
 Acq: 22 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	91.8	77.8	116.8

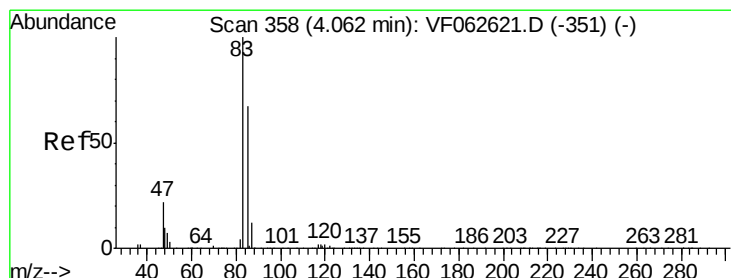
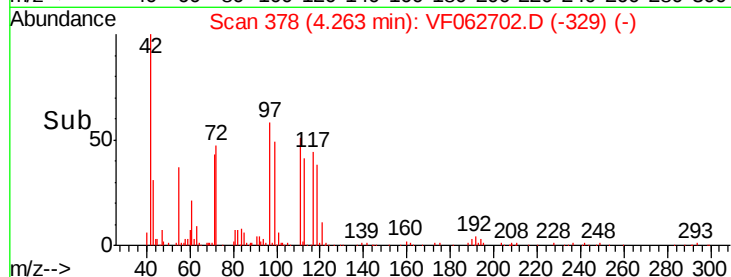
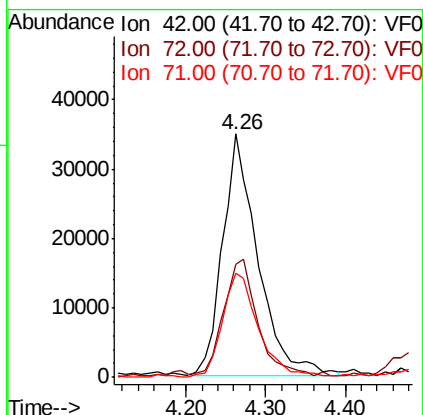
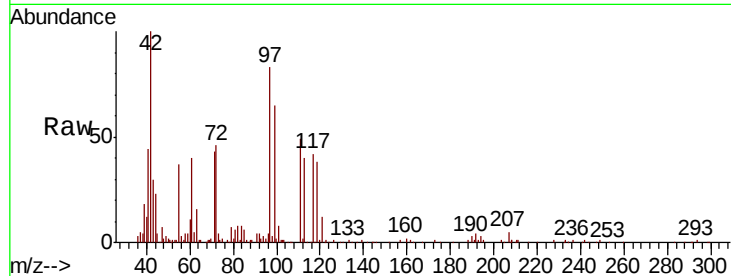




#29
Tetrahydrofuran
Concen: 96.892 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

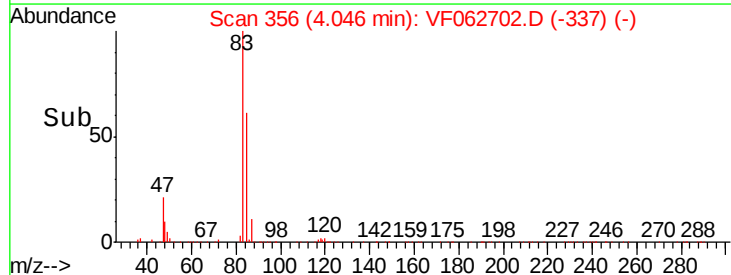
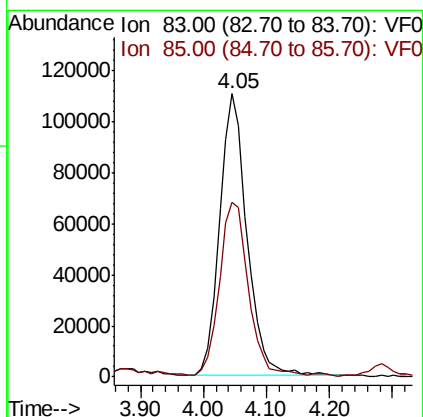
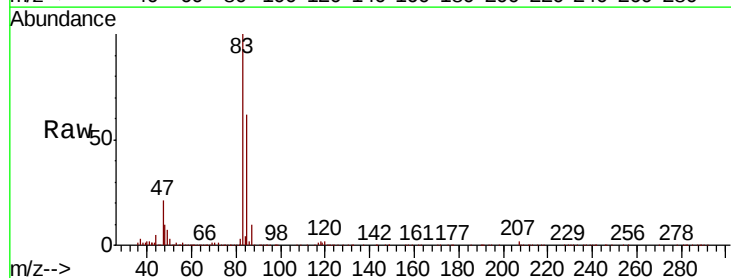
Instrument :
MSVOA_F
ClientSampleId :
VF0522SBSD01

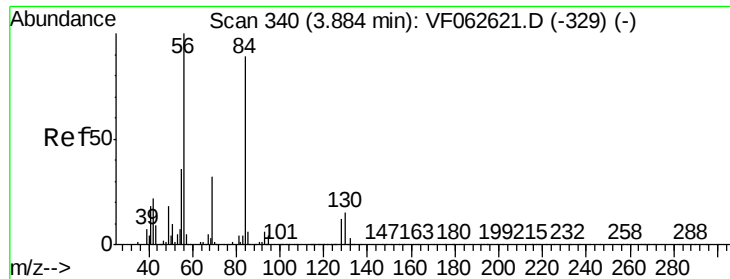
Tot Ion: 42 Resp: 107780
Ion Ratio Lower Upper
42 100
72 48.7 38.2 57.2
71 44.4 35.8 53.6



#30
Chloroform
Concen: 23.220 ug/l
RT: 4.05 min Scan# 356
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Tgt Ion: 83 Resp: 332840
Ion Ratio Lower Upper
83 100
85 61.7 53.6 80.4

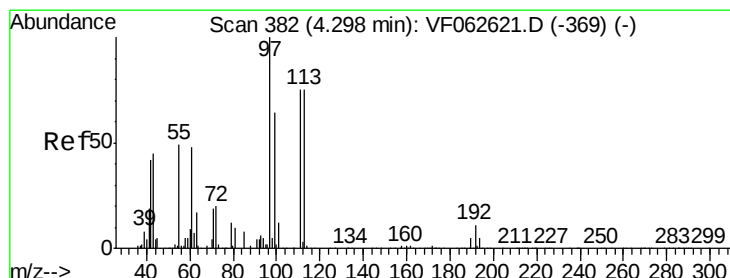
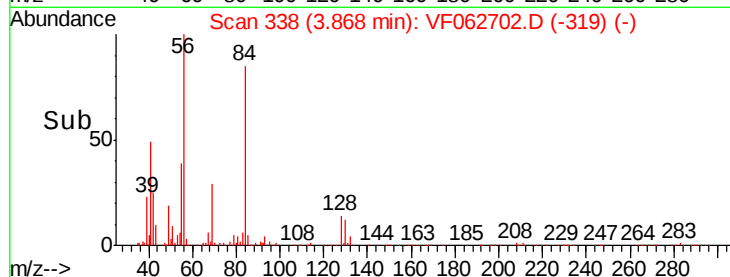
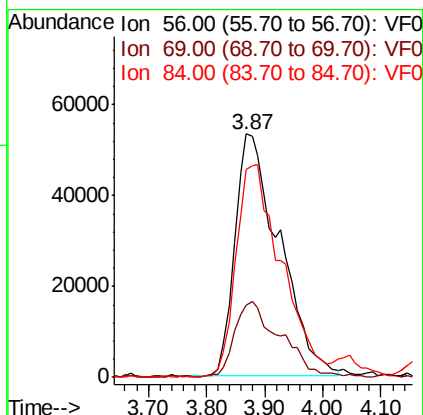
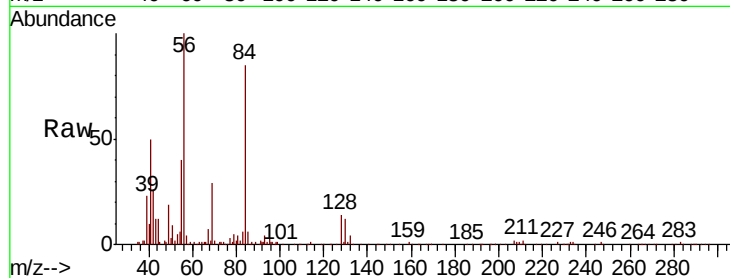




#31
Cyclohexane
Concen: 20.545 ug/l
RT: 3.87 min Scan# 338
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

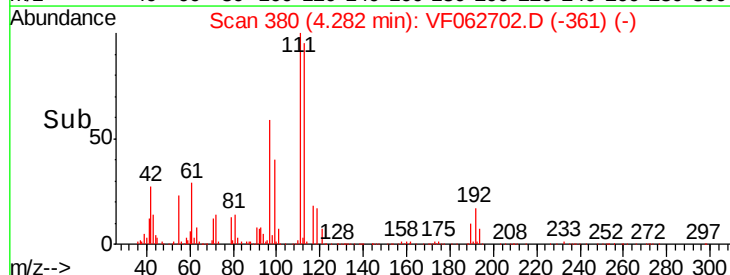
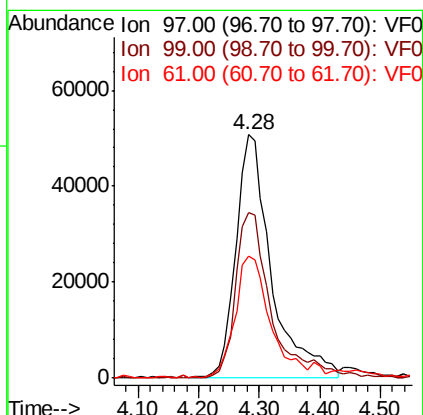
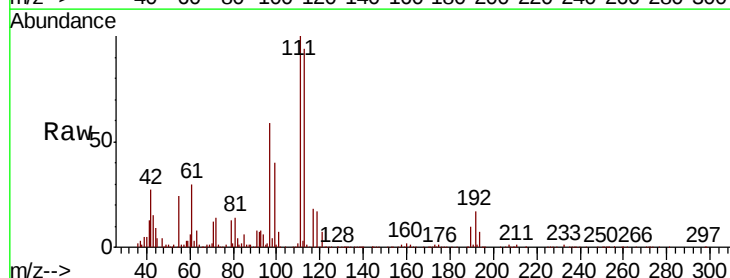
Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

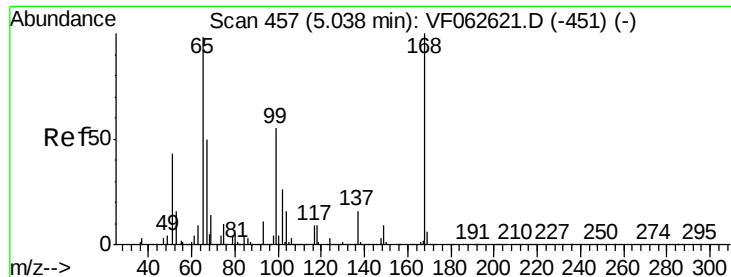
Tot Ion	56	Resp	284808
Ion Ratio	Lower	Upper	
56	100		
69	29.4	25.3	37.9
84	85.1	71.0	106.4



#32
1,1,1-Trichloroethane
Concen: 21.868 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Tgt Ion	97	Resp	208174
Ion Ratio	Lower	Upper	
97	100		
99	67.8	51.3	76.9
61	50.3	38.2	57.2





#33

1,2-Dichloroethane-d4

Concen: 46.720 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

ClientSampleId :

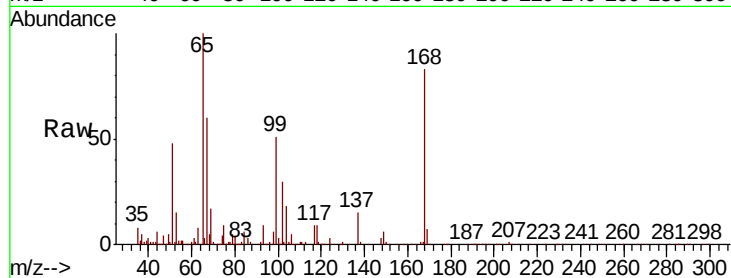
VF0522SBSD01

Tot Ion: 65 Resp: 231705

Ion Ratio Lower Upper

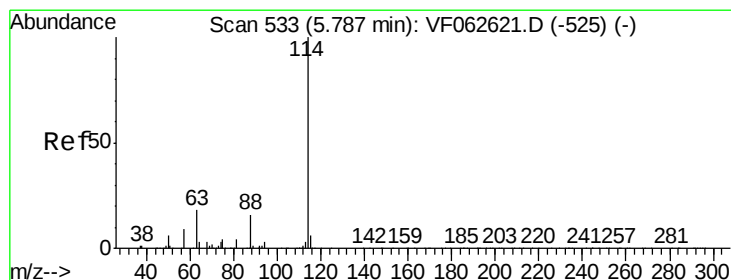
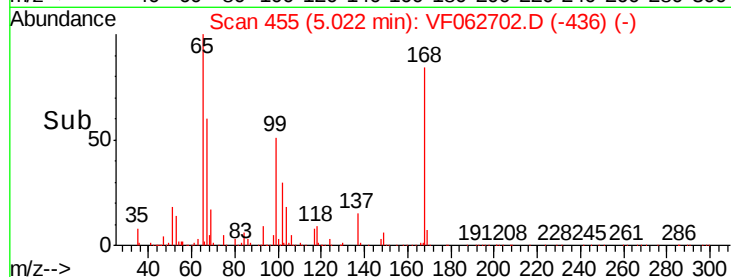
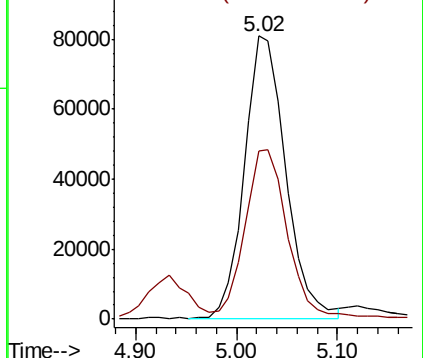
65 100

67 59.6 0.0 117.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

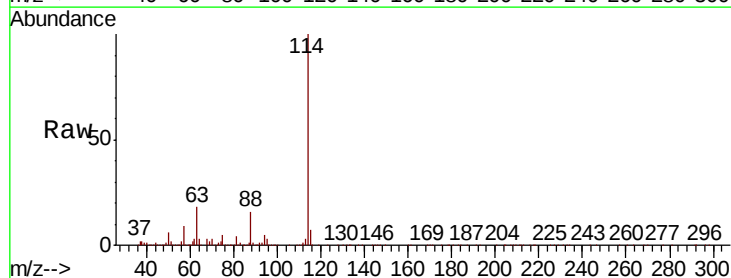
Tgt Ion: 114 Resp: 1164837

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.4

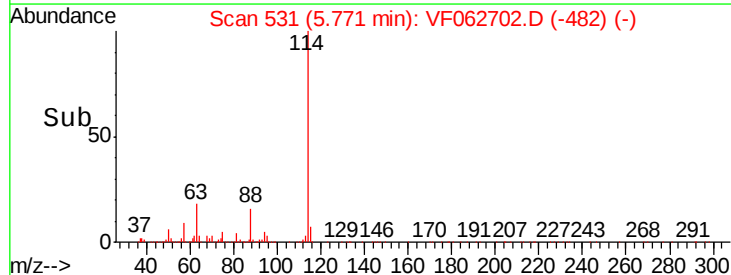
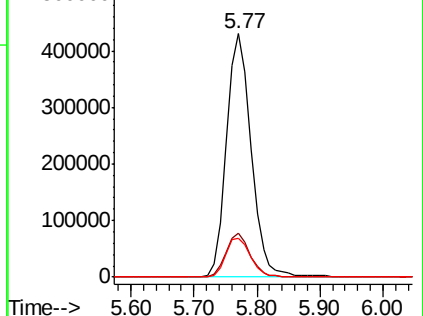
88 16.2 0.0 32.4

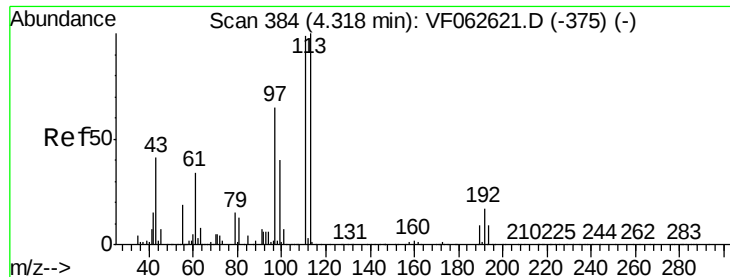


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 52.174 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

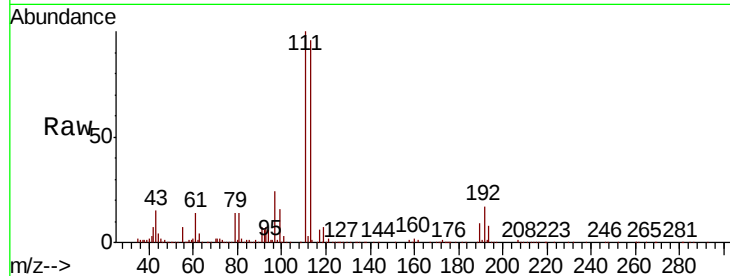
Tot Ion:113 Resp: 465042

Ion Ratio Lower Upper

113 100

111 104.3 79.4 119.2

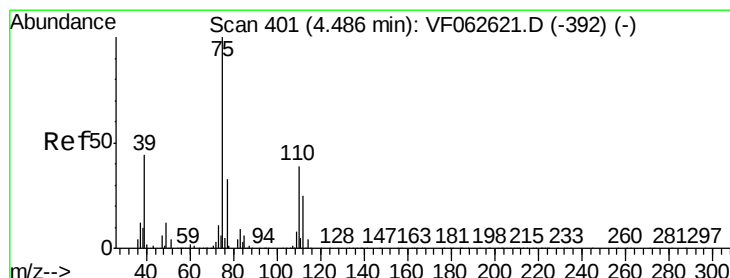
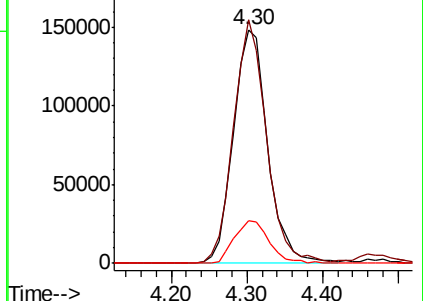
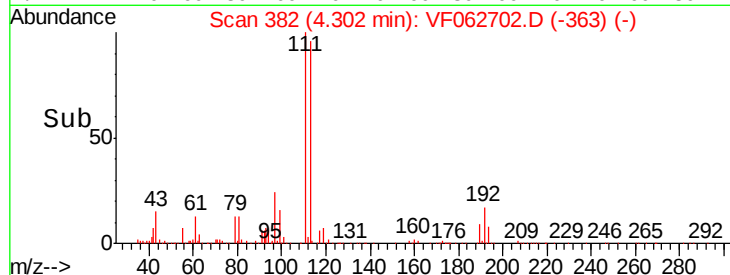
192 18.1 13.4 20.2



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 20.867 ug/l

RT: 4.47 min Scan# 399

Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

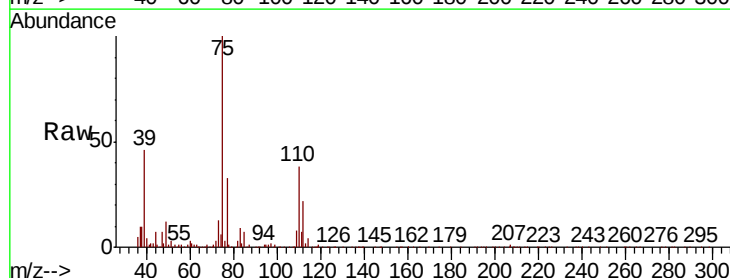
Tgt Ion: 75 Resp: 249068

Ion Ratio Lower Upper

75 100

110 38.3 19.7 59.1

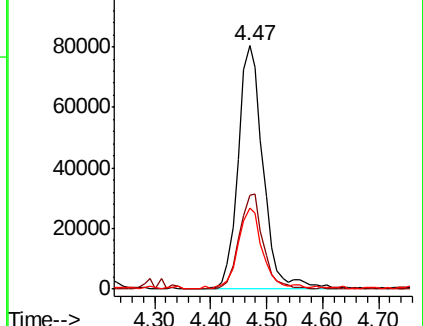
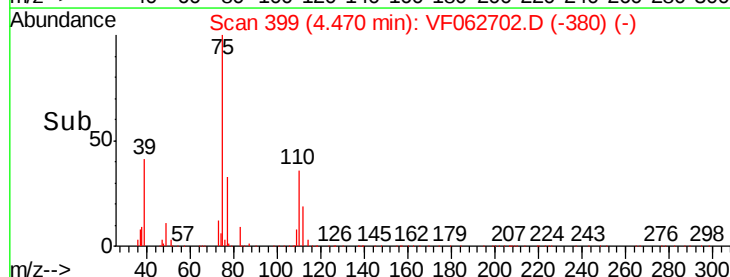
77 33.4 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

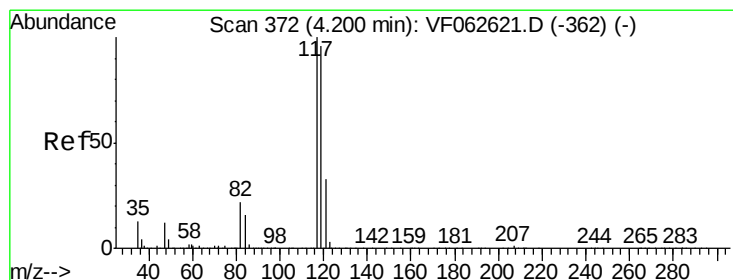
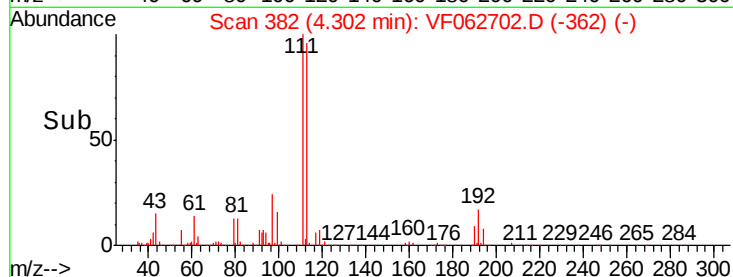
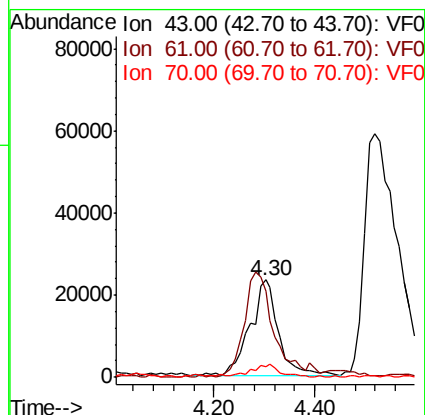
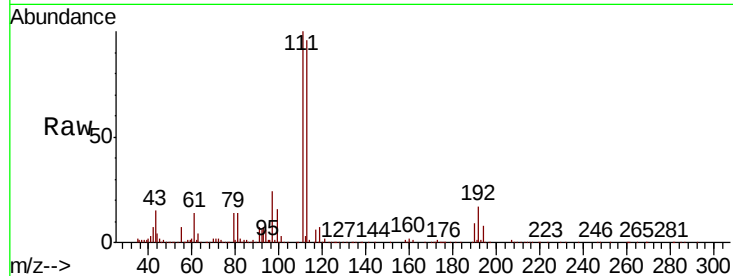




#37
Ethyl Acetate
Concen: 18.665 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.01 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

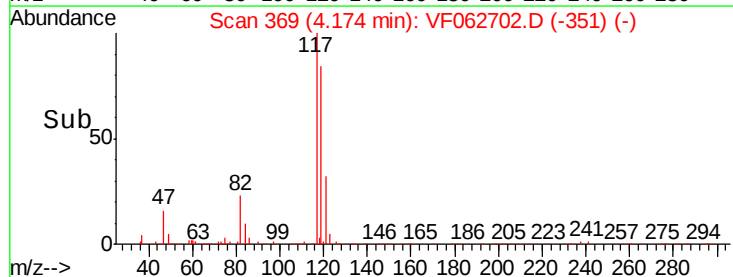
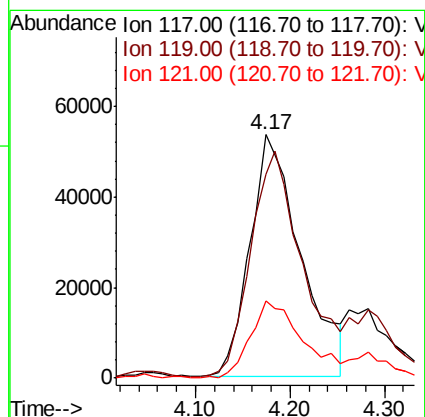
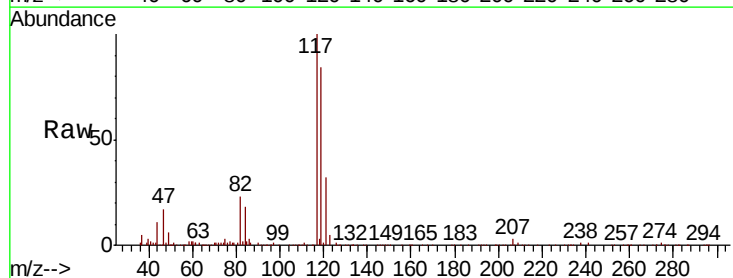
Instrument :
MSVOA_F
ClientSampleId :
VF0522SBSD01

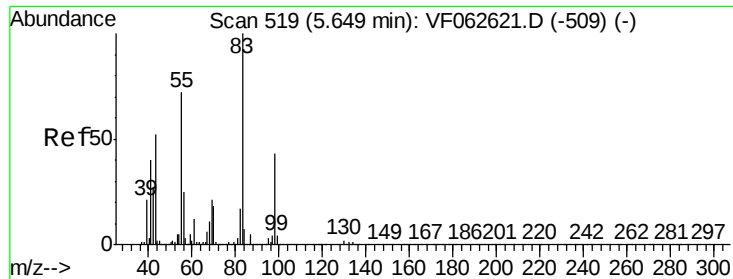
Tot Ion	43	Resp	90963
Ion Ratio	Lower	Upper	
43	100		
61	88.7	76.9	115.3
70	10.9	8.8	13.2



#38
Carbon Tetrachloride
Concen: 22.328 ug/l
RT: 4.17 min Scan# 369
Delta R.T. -0.03 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Tgt Ion	117	Resp	200434
Ion Ratio	Lower	Upper	
117	100		
119	83.7	76.7	115.1
121	31.6	26.6	40.0

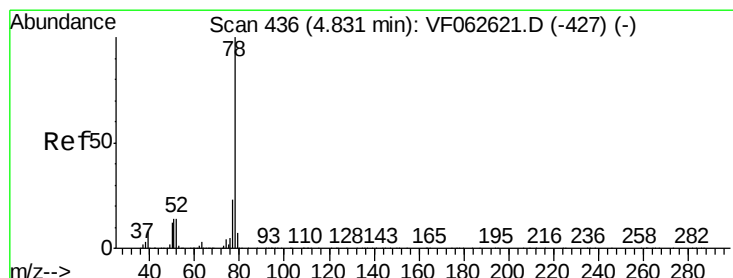
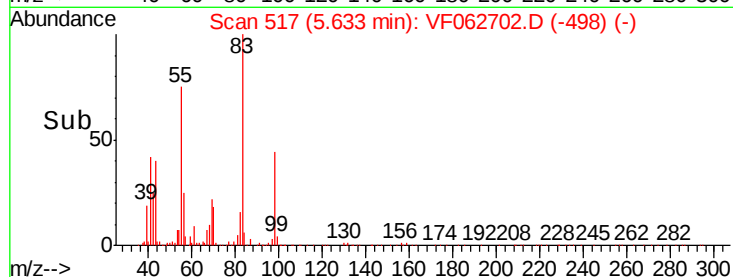
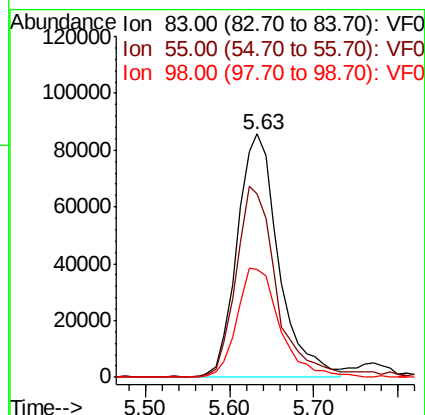
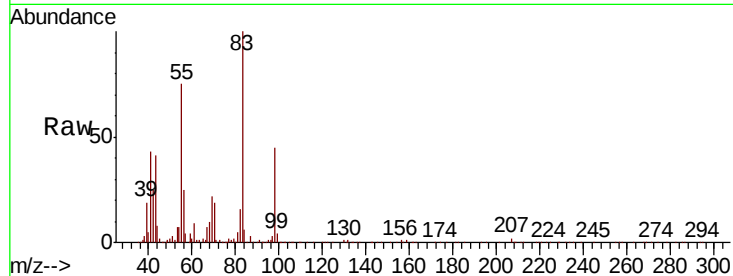




#39
Methvlcvclohexane
Concen: 20.560 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

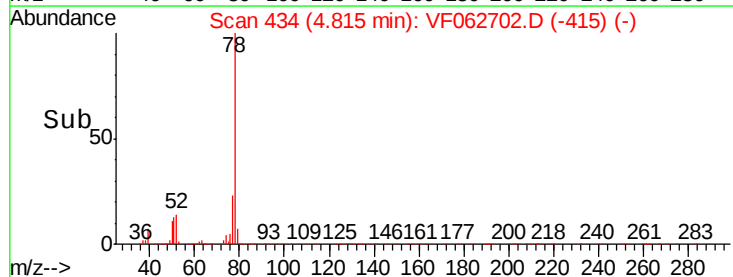
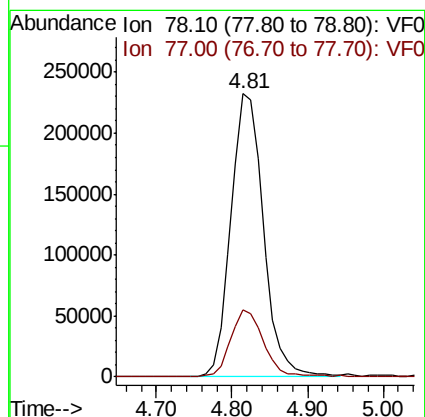
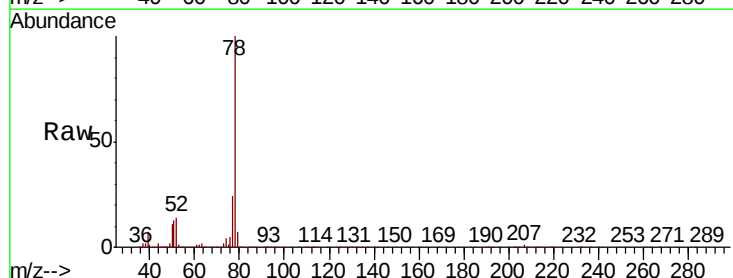
Instrument :
MSVOA_F
ClientSampleId :
VF0522SBSD01

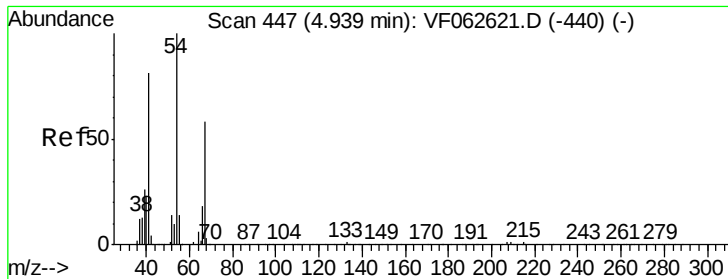
Tot Ion: 83 Resp: 295282
Ion Ratio Lower Upper
83 100
55 75.2 57.9 86.9
98 44.6 34.6 52.0



#40
Benzene
Concen: 21.193 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Tgt Ion: 78 Resp: 689121
Ion Ratio Lower Upper
78 100
77 23.7 18.2 27.2





#41

Methacrylonitrile

Concen: 20.462 ug/l

RT: 4.92 min Scan# 445

Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBSD01

Tot Ion: 41 Resp: 52280

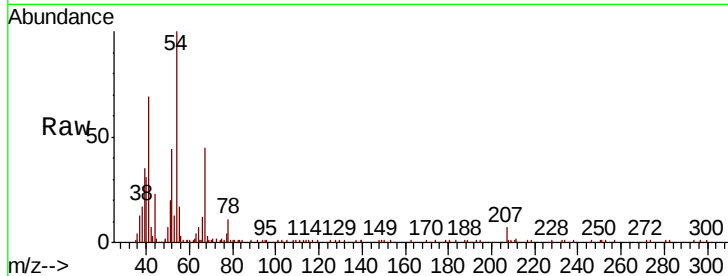
Ion Ratio Lower Upper

41 100

39 51.5 42.2 63.2

67 65.6 56.4 84.6

52 64.3 38.8 58.2#

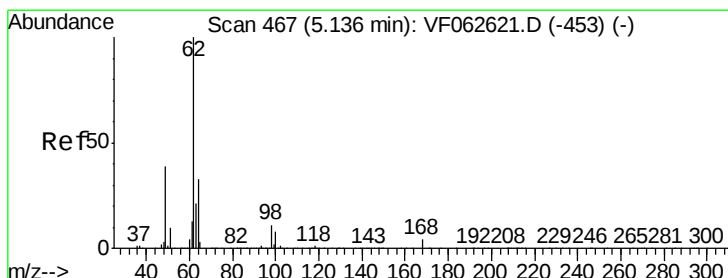
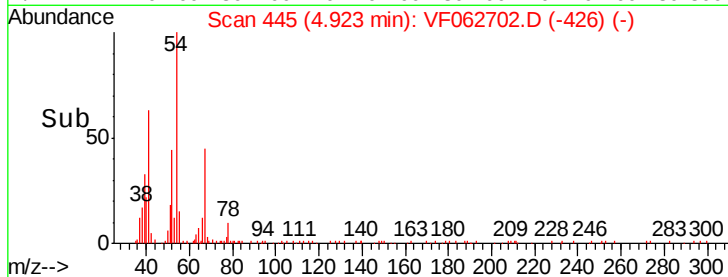
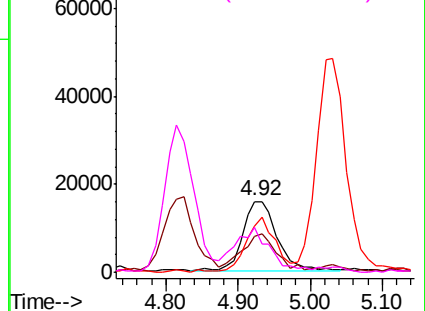


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 20.798 ug/l

RT: 5.12 min Scan# 465

Delta R.T. -0.02 min

Lab File: VF062702.D

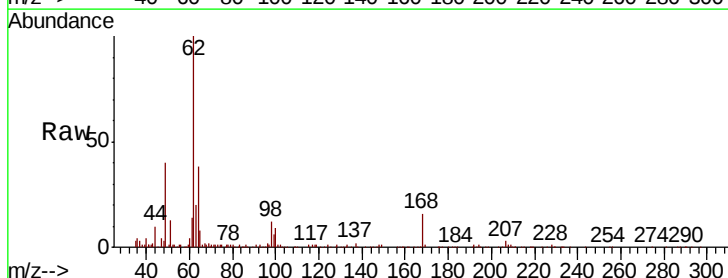
Acq: 22 May 2019 13:34

Tgt Ion: 62 Resp: 134864

Ion Ratio Lower Upper

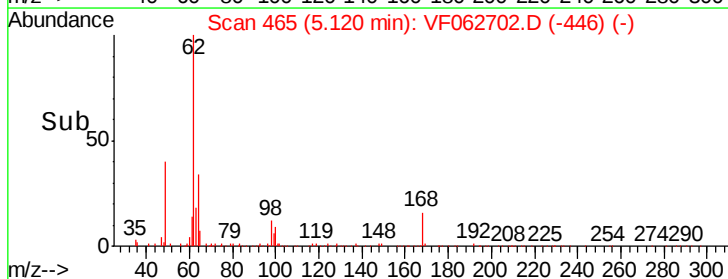
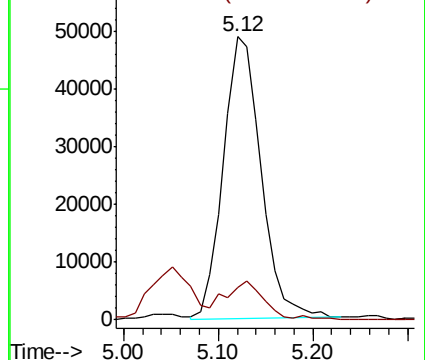
62 100

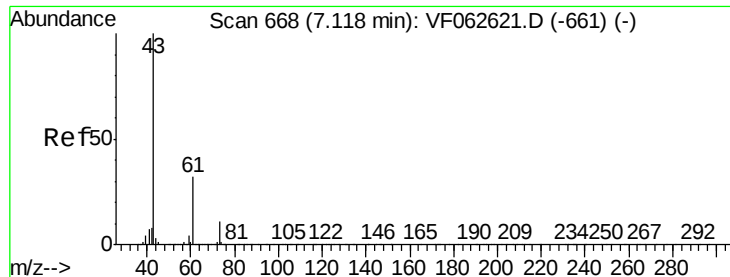
98 11.7 0.0 21.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



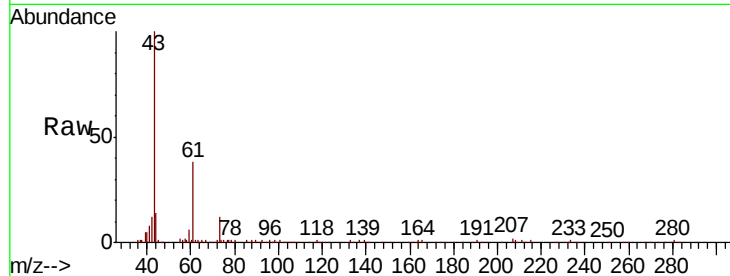


#43

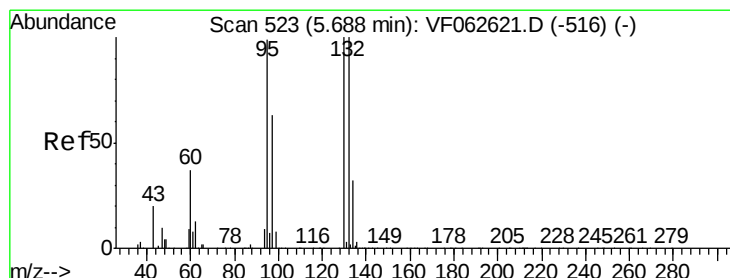
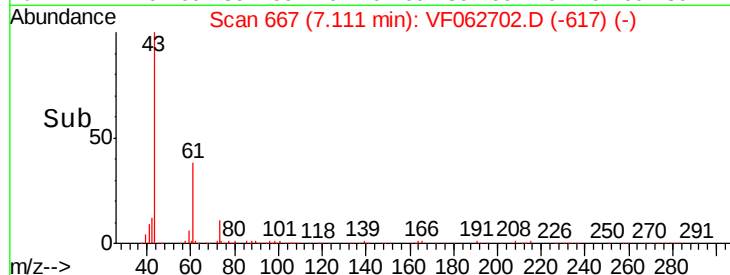
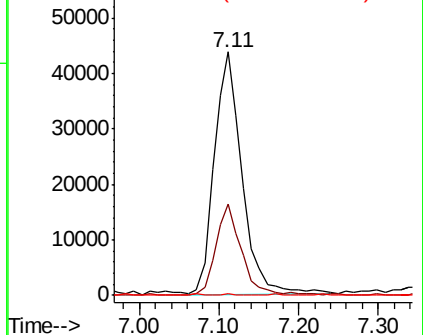
Isopropyl Acetate
 Concen: 16.934 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VF062702.D
 Acq: 22 May 2019 13:34

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0522SBS01

Tot Ion: 43 Resp: 106920
 Ion Ratio Lower Upper
 43 100
 61 37.6 25.8 38.8
 87 0.5 0.4 0.6



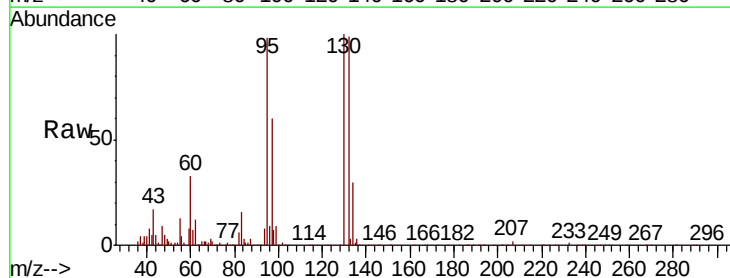
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



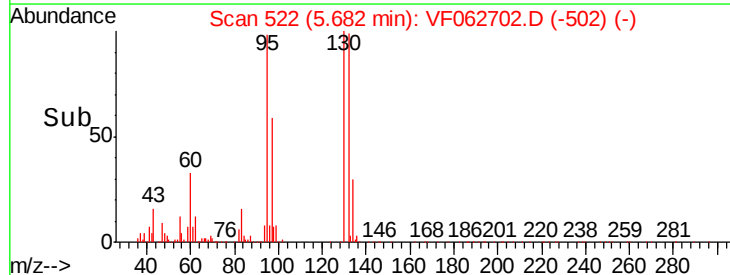
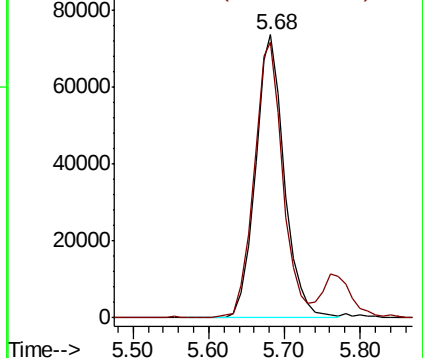
#44

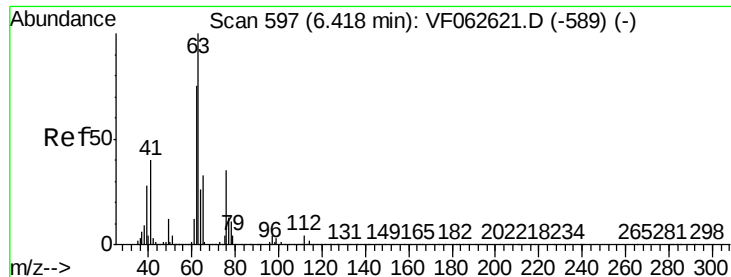
Trichloroethene
 Concen: 21.229 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. -0.01 min
 Lab File: VF062702.D
 Acq: 22 May 2019 13:34

Tgt Ion: 130 Resp: 194016
 Ion Ratio Lower Upper
 130 100
 95 97.6 0.0 199.4



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





#45

1,2-Dichloropropane

Concen: 20.417 ug/l

RT: 6.40 min Scan# 595

Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

ClientSampleId :

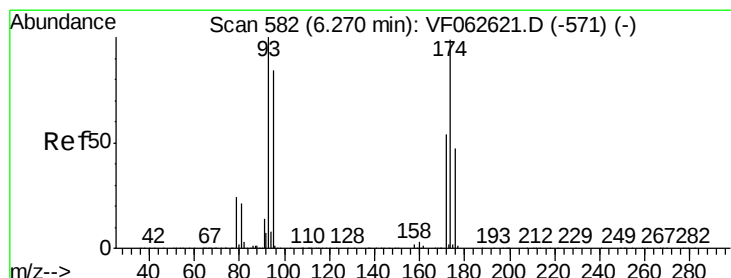
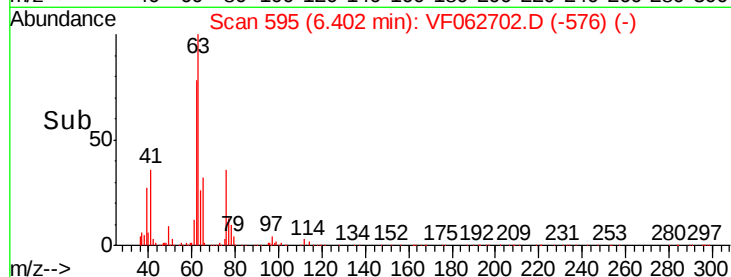
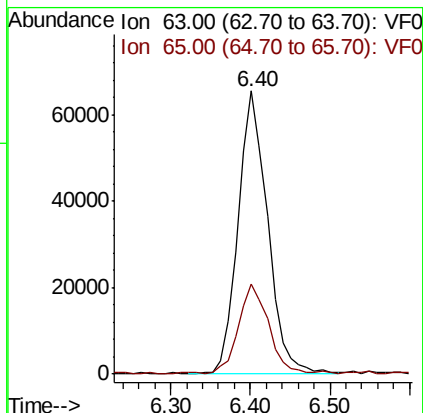
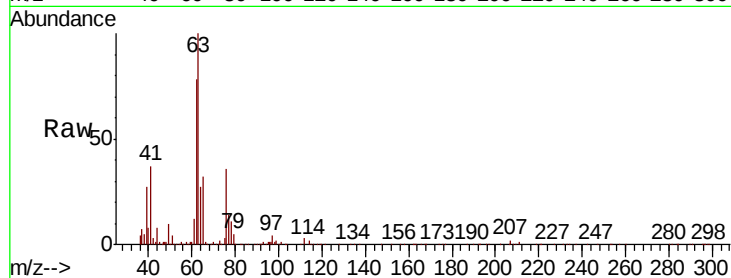
VF0522SBSD01

Tot Ion: 63 Resp: 167593

Ion Ratio Lower Upper

63 100

65 32.0 26.3 39.5



#46

Dibromomethane

Concen: 21.306 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

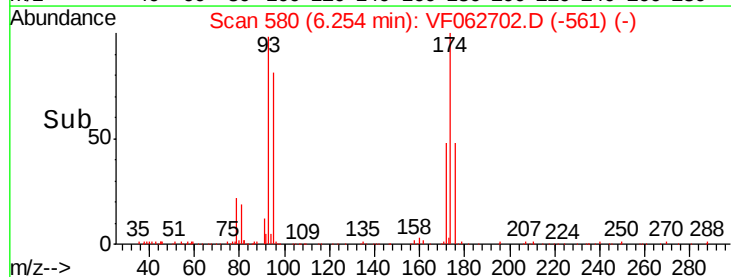
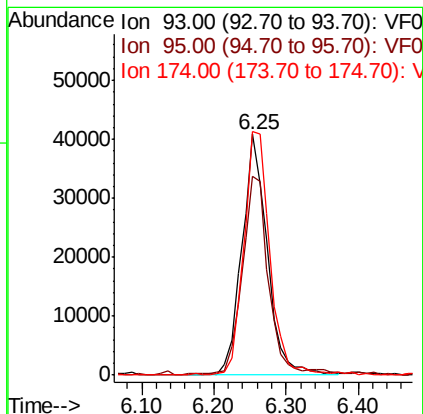
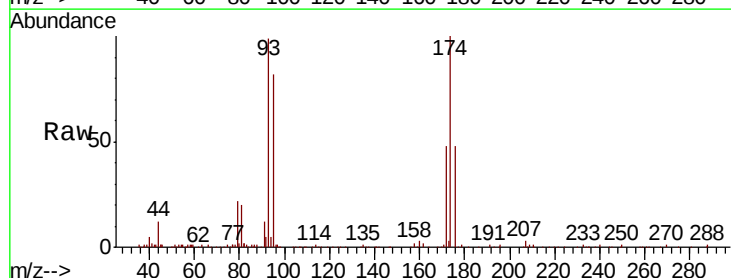
Tgt Ion: 93 Resp: 101075

Ion Ratio Lower Upper

93 100

95 82.7 67.4 101.2

174 101.2 79.4 119.2





#47

Bromodichloromethane

Concen: 21.030 ug/l

RT: 6.55 min Scan# 610

Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

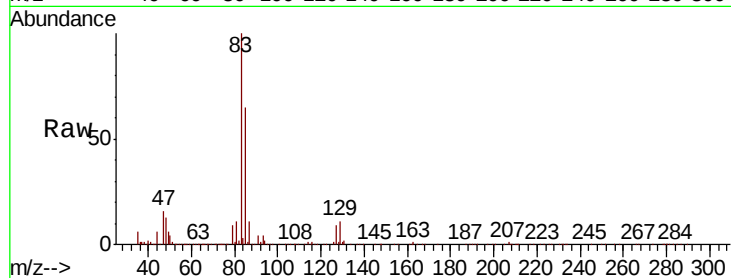
Tot Ion: 83 Resp: 207109

Ion Ratio Lower Upper

83 100

85 65.2 52.0 78.0

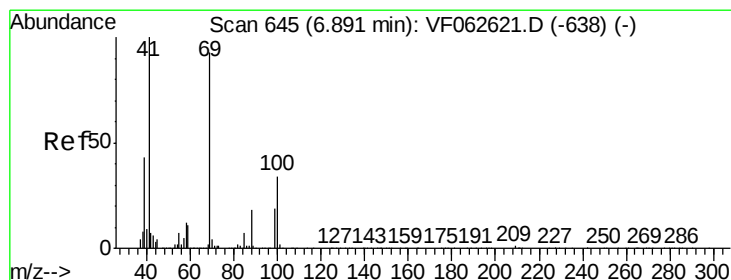
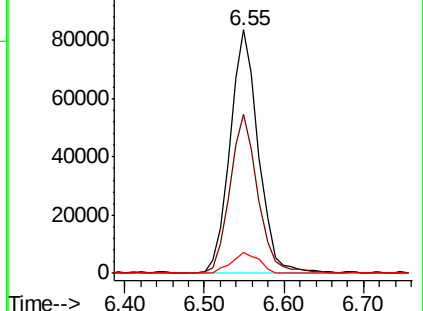
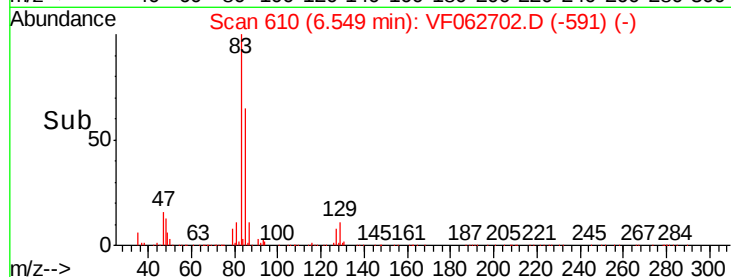
127 8.6 7.7 11.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 17.727 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.03 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

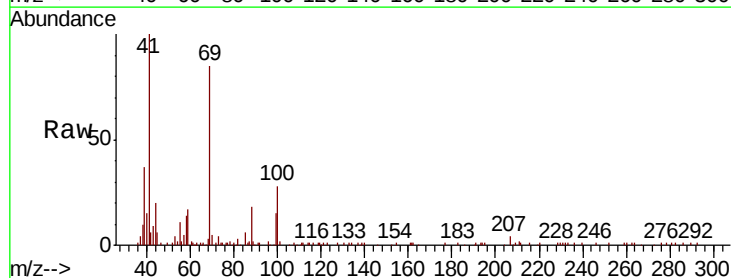
Tgt Ion: 41 Resp: 58501

Ion Ratio Lower Upper

41 100

69 85.5 74.2 111.2

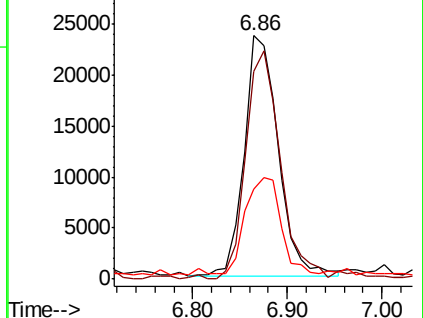
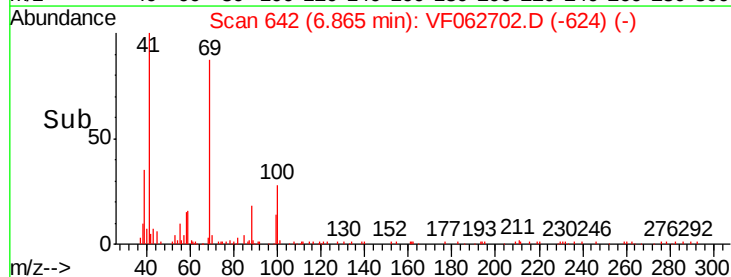
39 36.8 34.2 51.4

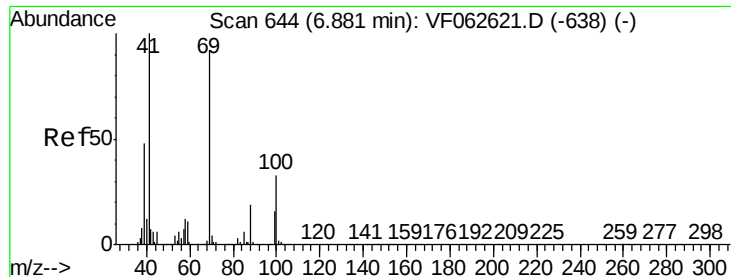


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

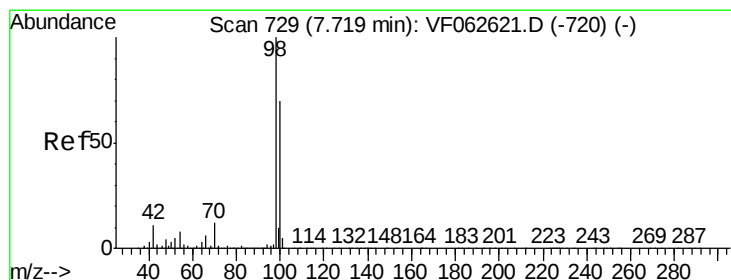
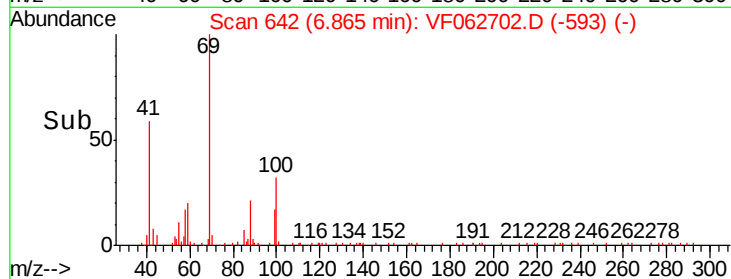
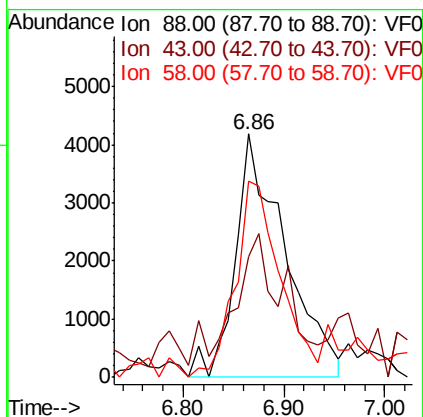
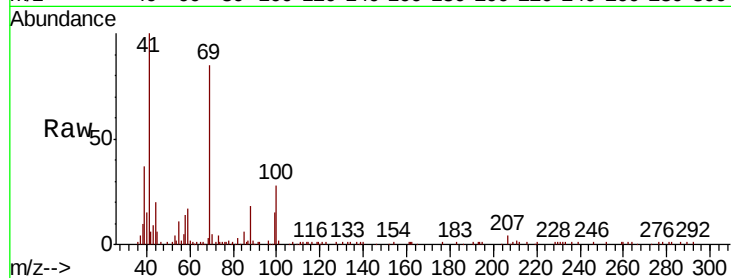




#49
1,4-Dioxane
Concen: 337.825 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

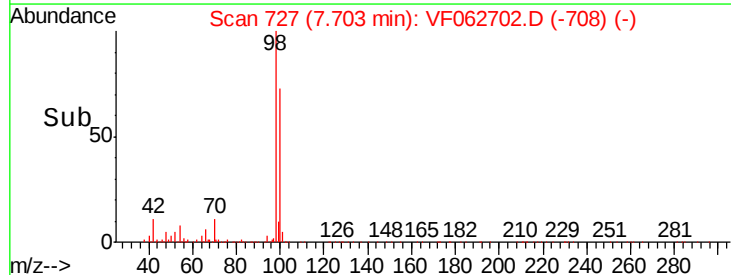
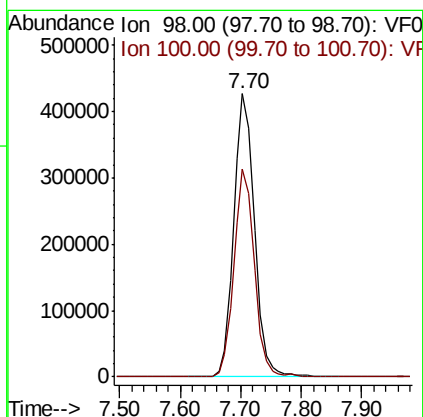
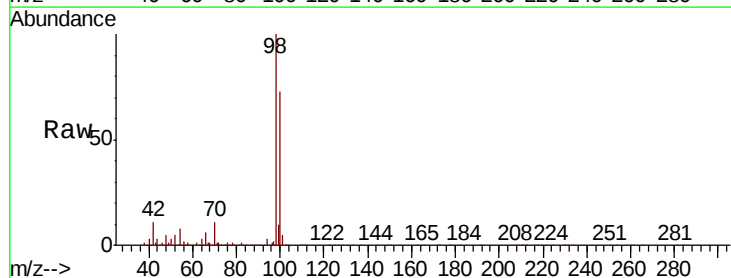
Instrument :
MSVOA_F
ClientSampleId :
VF0522SBSD01

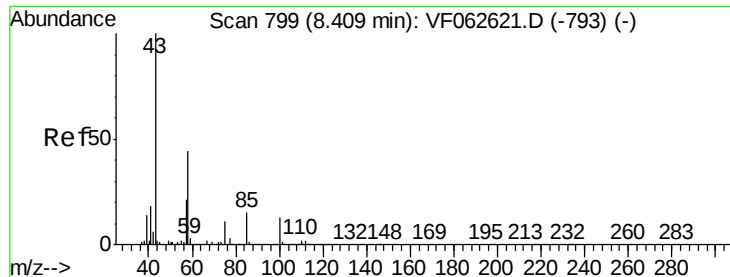
Tot Ion: 88 Resp: 14279
Ion Ratio Lower Upper
88 100
43 49.3 30.0 45.0#
58 80.9 51.1 76.7#



#50
Toluene-d8
Concen: 47.745 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Tgt Ion: 98 Resp: 1016105
Ion Ratio Lower Upper
98 100
100 73.3 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 95.542 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

ClientSampleId :

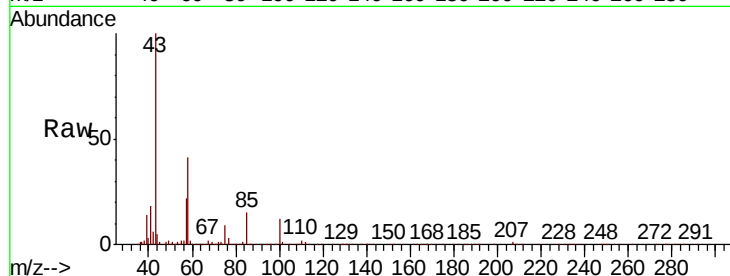
VF0522SBS01

Tot Ion: 43 Resp: 412332

Ion Ratio Lower Upper

43 100

58 40.6 34.9 52.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.39

150000

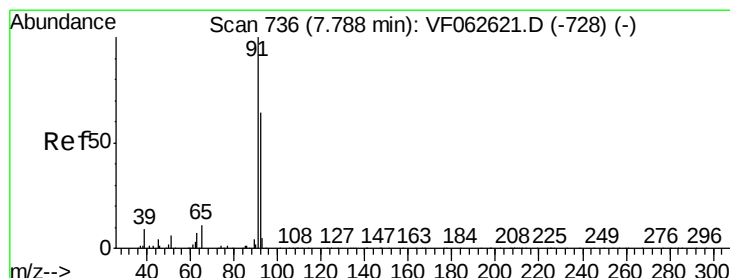
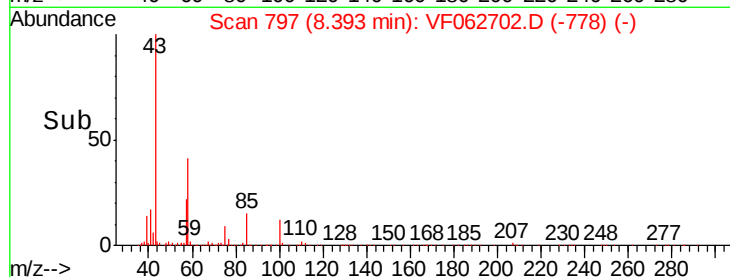
100000

50000

0

Time-->

8.30 8.40 8.50



#52

Toluene

Concen: 21.267 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.02 min

Lab File: VF062702.D

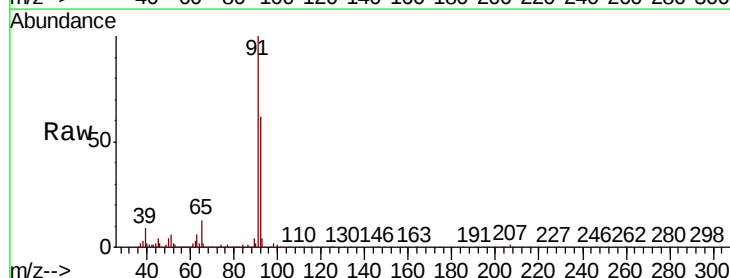
Acq: 22 May 2019 13:34

Tgt Ion: 92 Resp: 362666

Ion Ratio Lower Upper

92 100

91 162.5 125.4 188.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.77

250000

200000

150000

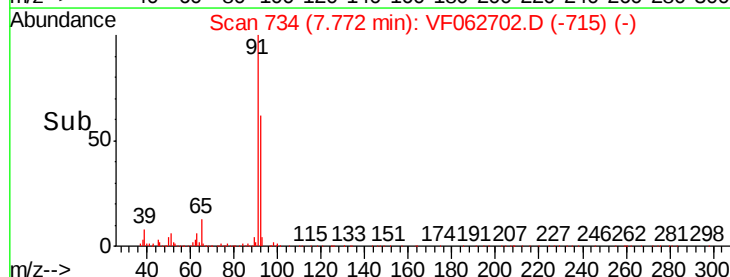
100000

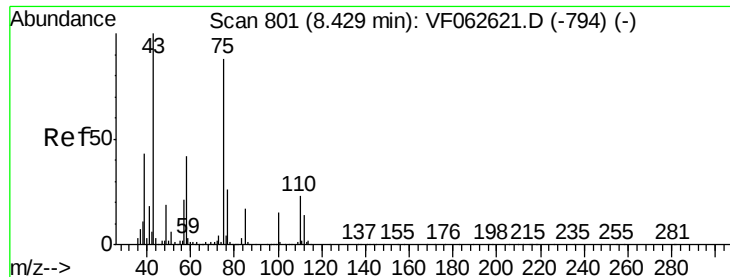
50000

0

Time-->

7.60 7.70 7.80 7.90





#53

t-1,3-Dichloropropene

Concen: 20.121 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

ClientSampleId :

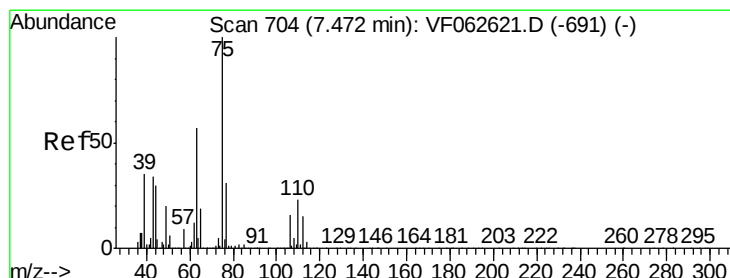
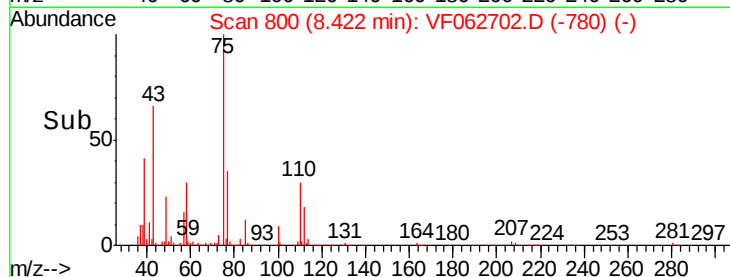
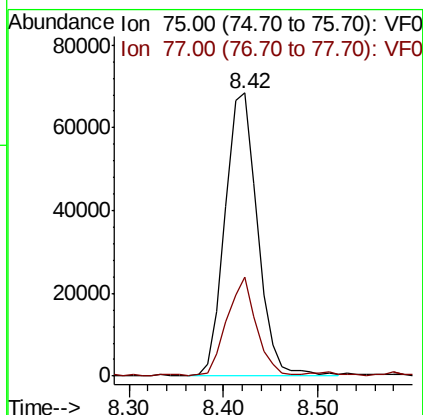
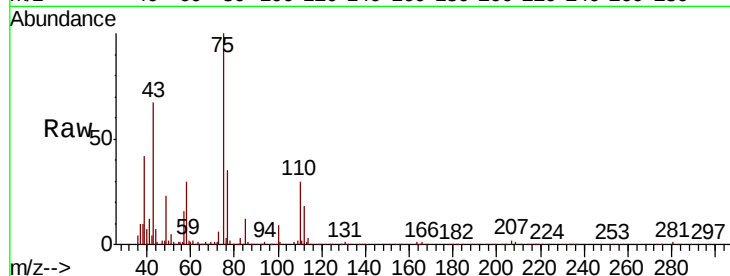
VF0522SBS01

Tot Ion: 75 Resp: 162115

Ion Ratio Lower Upper

75 100

77 34.8 24.2 36.4



#54

cis-1,3-Dichloropropene

Concen: 20.682 ug/l

RT: 7.46 min Scan# 702

Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

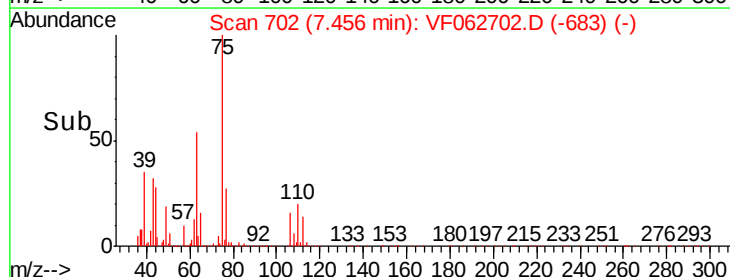
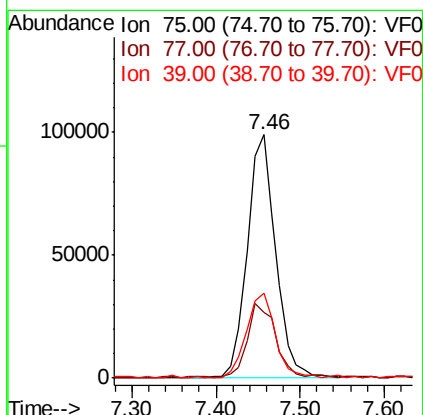
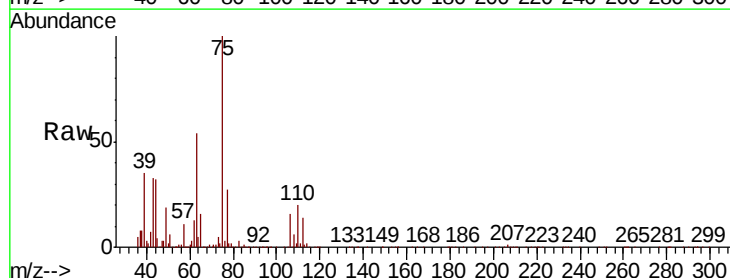
Tgt Ion: 75 Resp: 233263

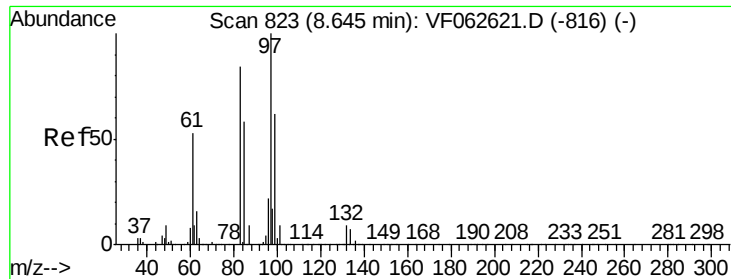
Ion Ratio Lower Upper

75 100

77 26.9 25.3 37.9

39 35.0 28.2 42.2





#55

1,1,2-Trichloroethane

Concen: 20.513 ug/l

RT: 8.63 min Scan# 821

Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBSD01

Tot Ion: 97 Resp: 103577

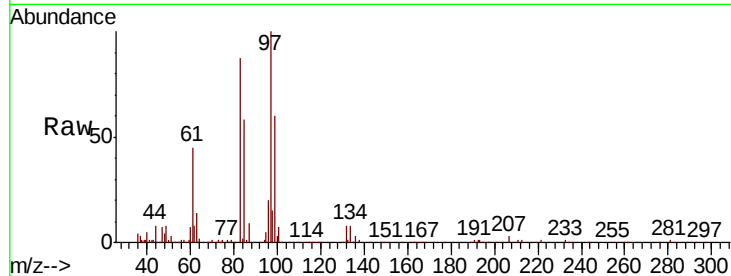
Ion Ratio Lower Upper

97 100

83 86.6 67.3 100.9

85 58.2 46.6 69.8

99 60.2 49.7 74.5

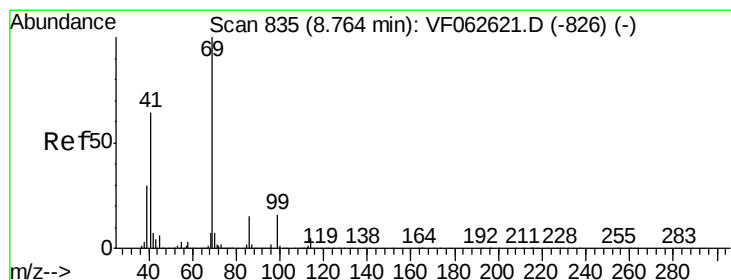
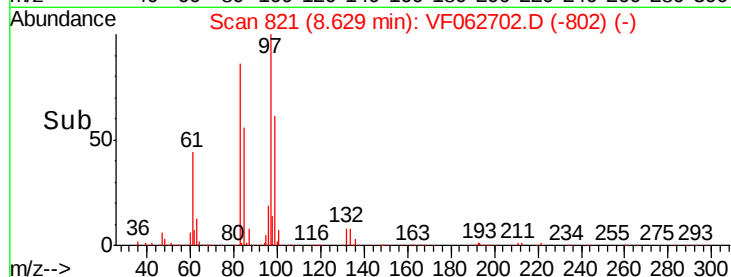
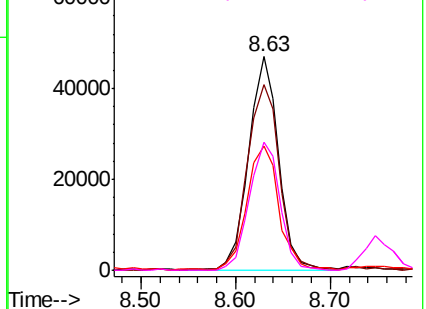


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 17.174 ug/l

RT: 8.75 min Scan# 833

Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

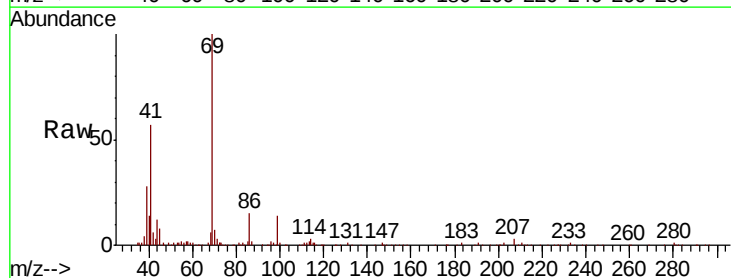
Tgt Ion: 69 Resp: 103314

Ion Ratio Lower Upper

69 100

41 56.6 51.4 77.2

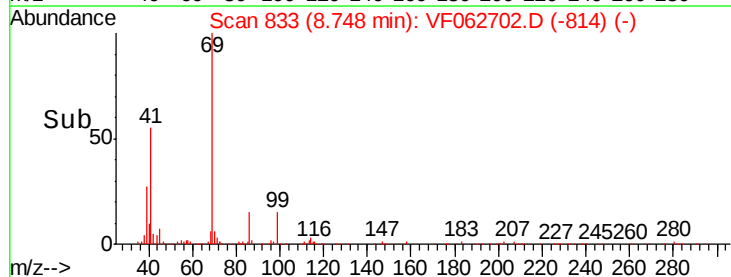
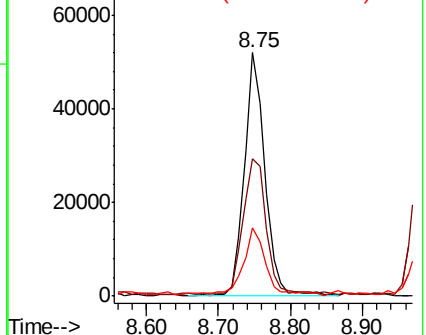
39 27.8 23.6 35.4

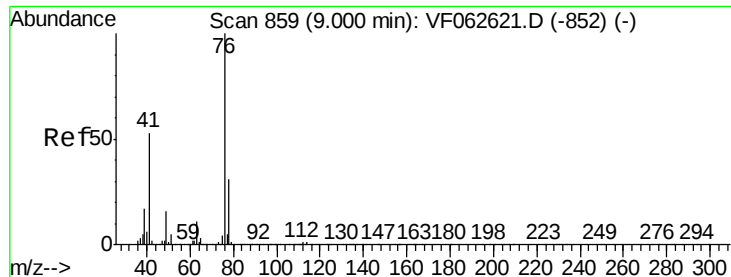


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 20.054 ug/l

RT: 8.98 min Scan# 857

Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

ClientSampleId :

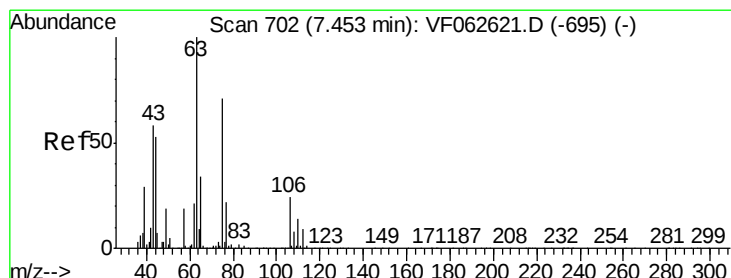
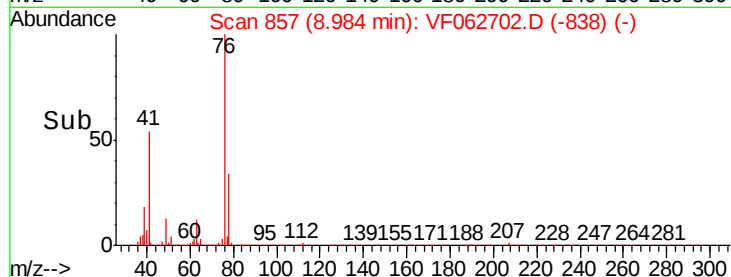
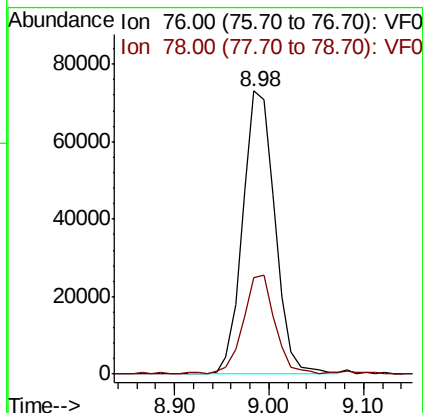
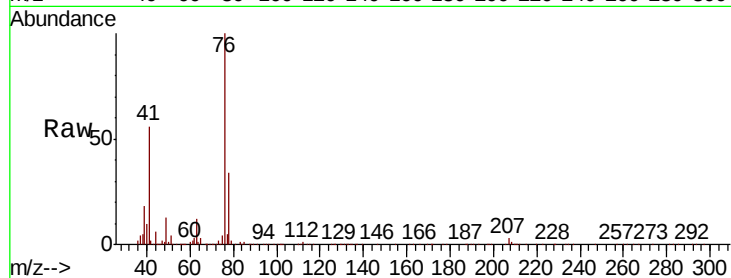
VF0522SBS01

Tot Ion: 76 Resp: 172473

Ion Ratio Lower Upper

76 100

78 34.2 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 88.971 ug/l

RT: 7.45 min Scan# 701

Delta R.T. -0.01 min

Lab File: VF062702.D

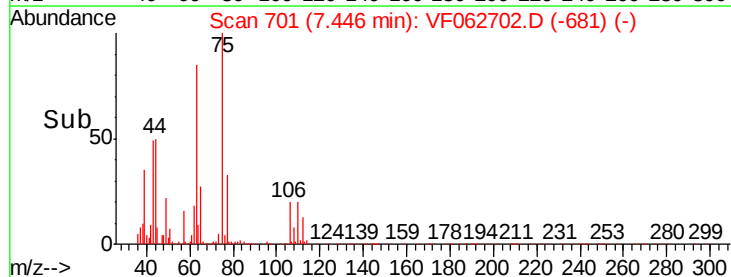
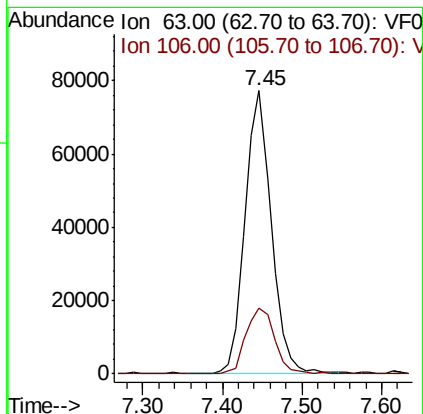
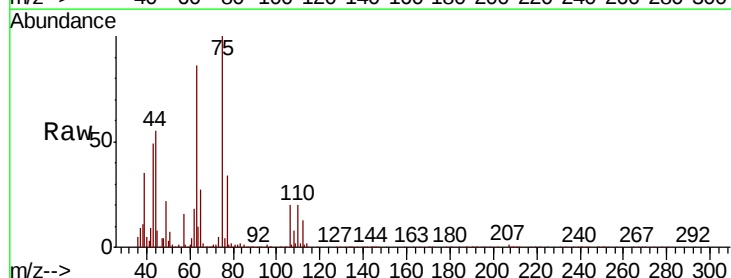
Acq: 22 May 2019 13:34

Tgt Ion: 63 Resp: 174211

Ion Ratio Lower Upper

63 100

106 23.2 19.1 28.7

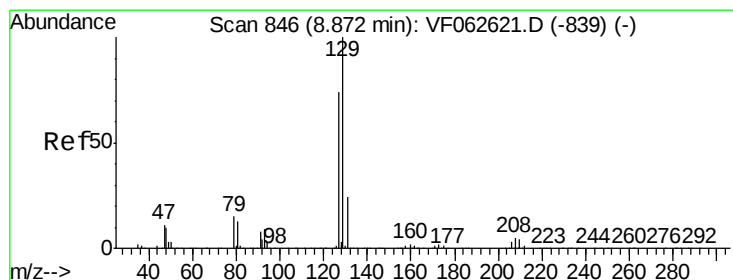
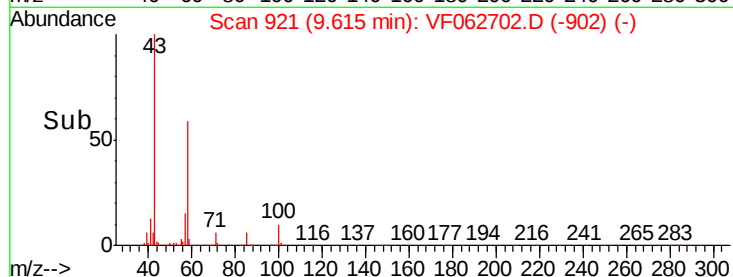
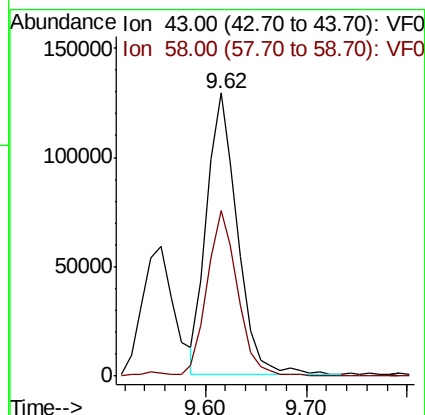
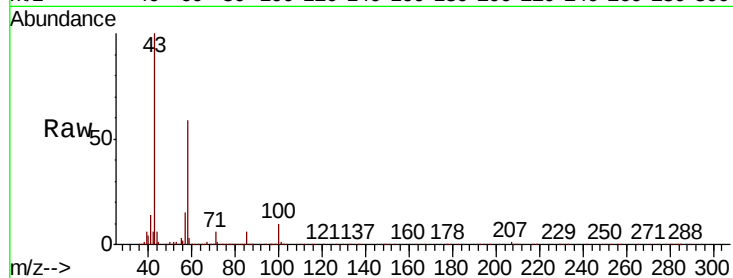




#59
2-Hexanone
Concen: 84.775 ug/l
RT: 9.62 min Scan# 921
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

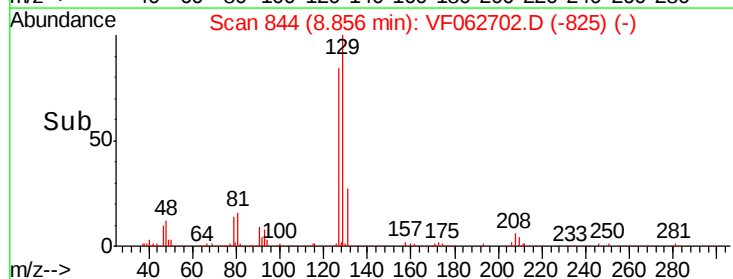
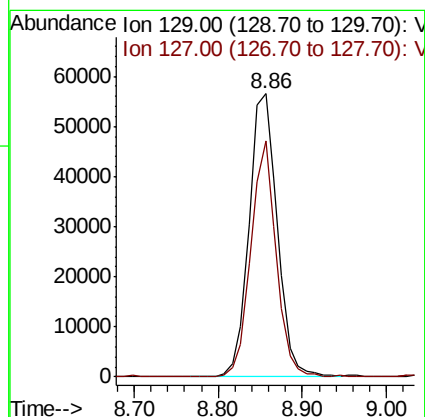
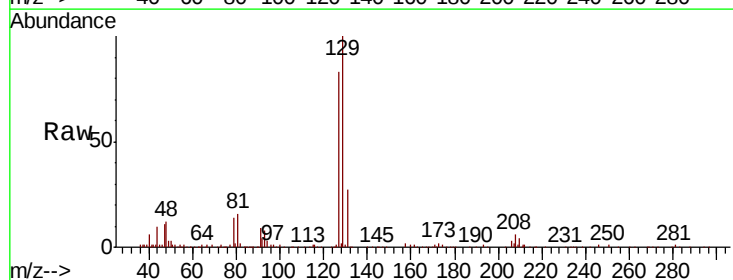
Instrument :
MSVOA_F
ClientSampleId :
VF0522SBSD01

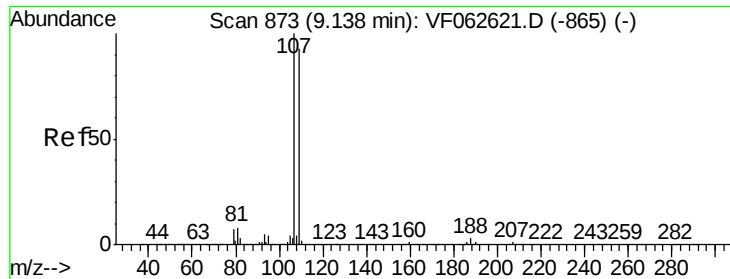
Tot Ion: 43 Resp: 271114
Ion Ratio Lower Upper
43 100
58 58.6 28.1 84.4



#60
Dibromochloromethane
Concen: 20.245 ug/l
RT: 8.86 min Scan# 844
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Tgt Ion: 129 Resp: 133228
Ion Ratio Lower Upper
129 100
127 83.4 37.2 111.6

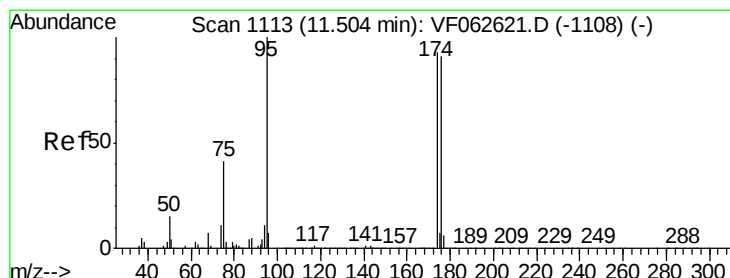
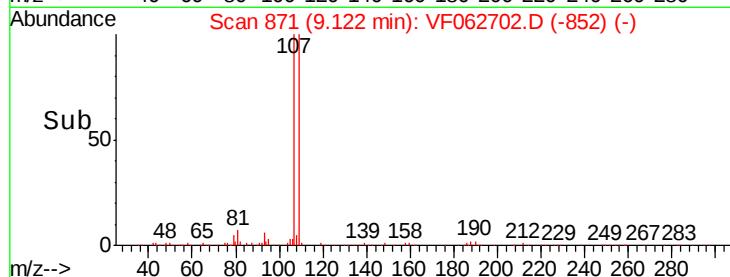
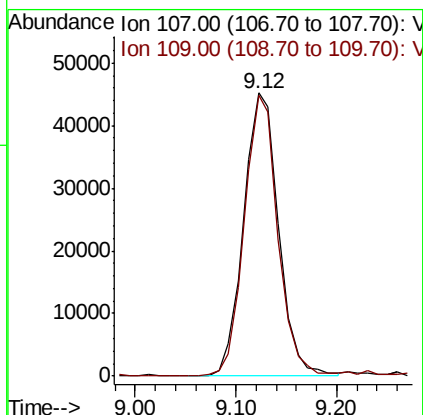
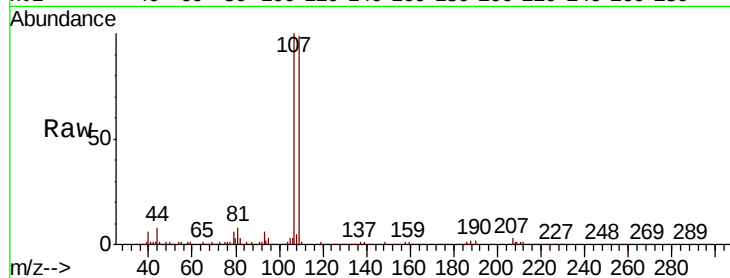




#61
 1,2-Dibromoethane
 Concen: 20.349 ug/l
 RT: 9.12 min Scan# 871
 Delta R.T. -0.02 min
 Lab File: VF062702.D
 Acq: 22 May 2019 13:34

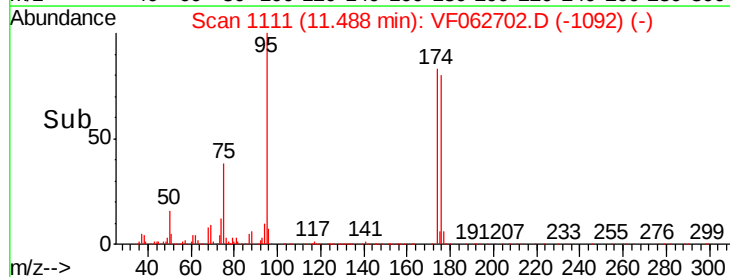
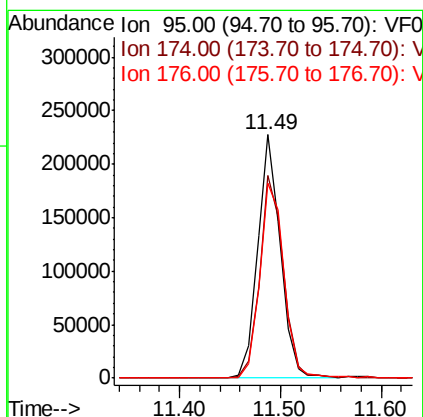
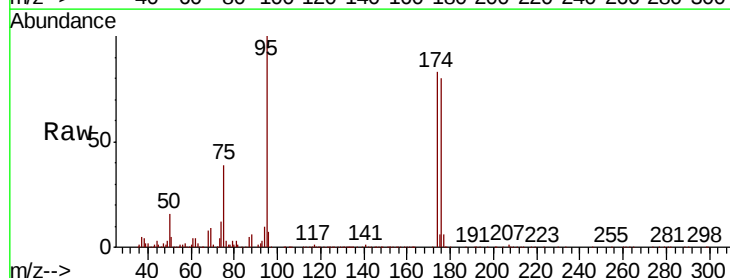
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0522SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	99.4	74.8	112.2



#62
 4-Bromofluorobenzene
 Concen: 44.149 ug/l
 RT: 11.49 min Scan# 1111
 Delta R.T. -0.02 min
 Lab File: VF062702.D
 Acq: 22 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.2	0.0	185.6
176	80.2	0.0	182.4

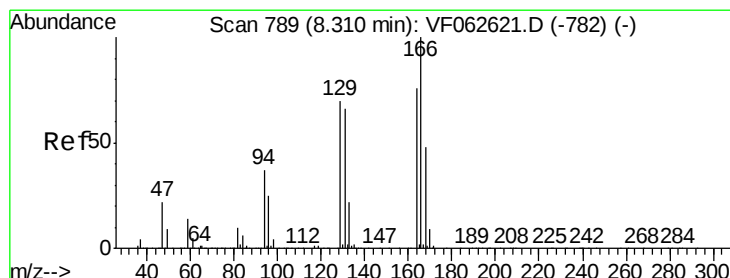
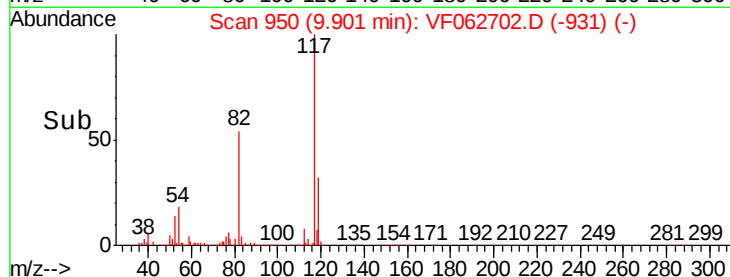
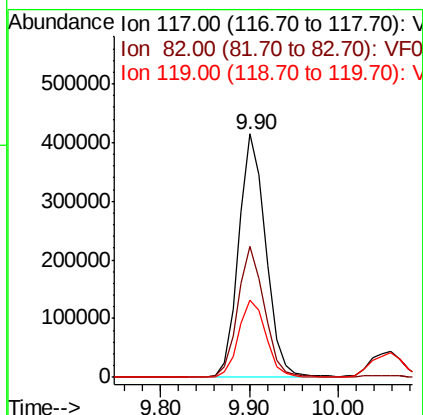
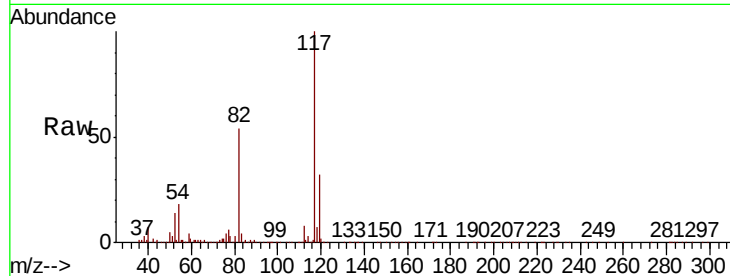




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

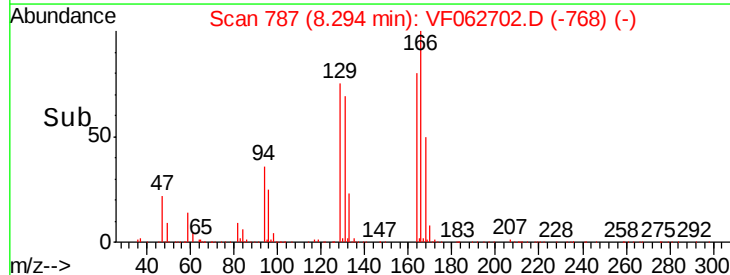
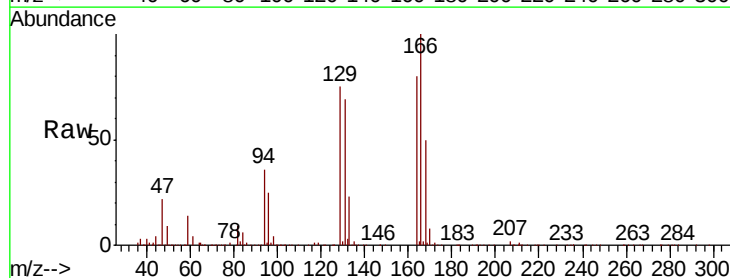
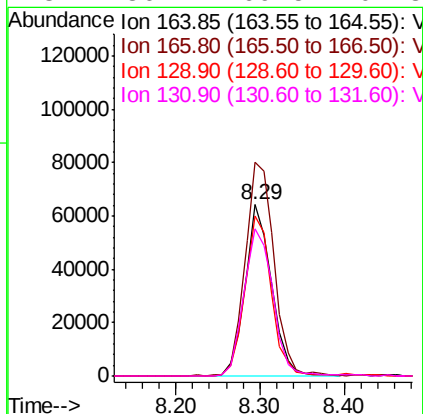
Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

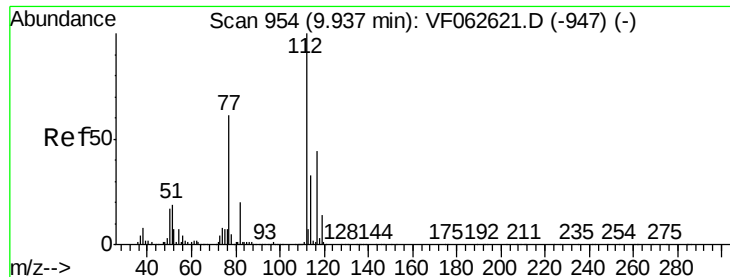
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.3	64.9
119	31.8	27.4	41.0



#64
Tetrachloroethene
Concen: 20.393 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.5	105.5	158.3
129	93.3	73.8	110.6
131	86.1	69.5	104.3





#65

Chlorobenzene

Concen: 20.476 ug/l

RT: 9.92 min Scan# 952

Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

ClientSampleId :

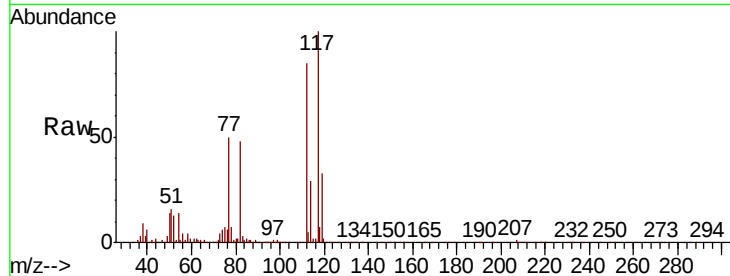
VF0522SBSD01

Tot Ion:112 Resp: 353528

Ion Ratio Lower Upper

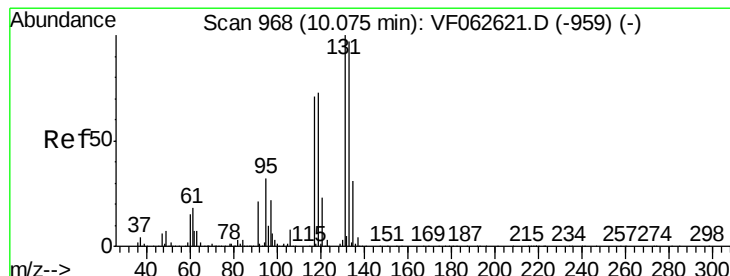
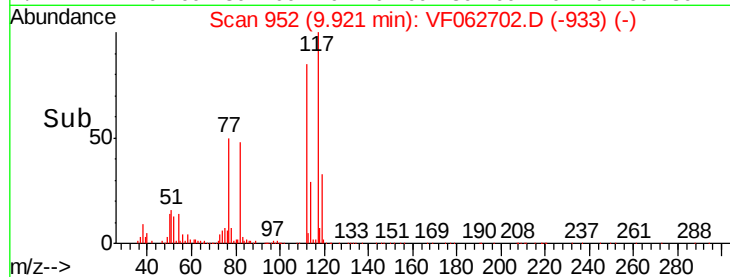
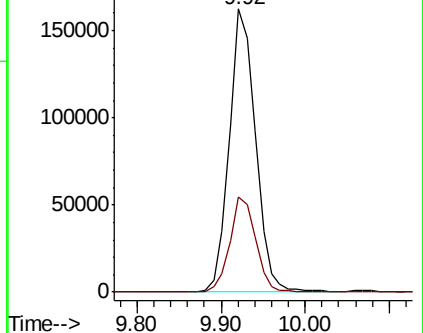
112 100

114 33.6 26.8 40.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.073 ug/l

RT: 10.06 min Scan# 966

Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

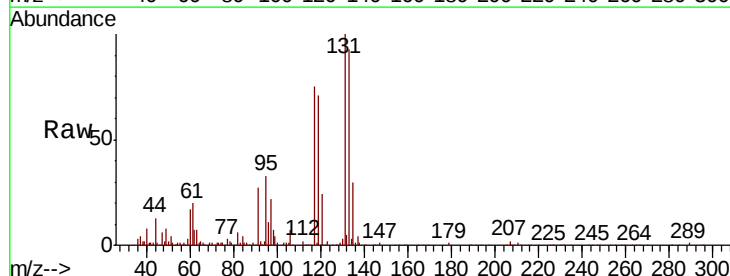
Tgt Ion:131 Resp: 146066

Ion Ratio Lower Upper

131 100

133 93.2 48.5 145.5

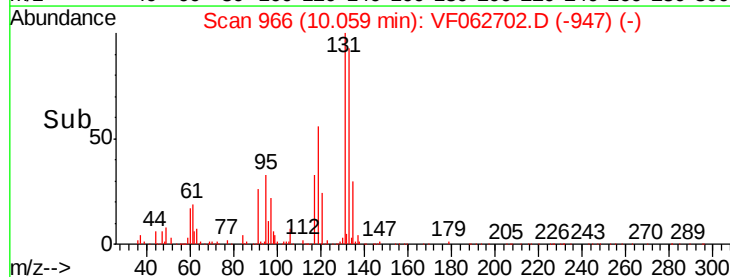
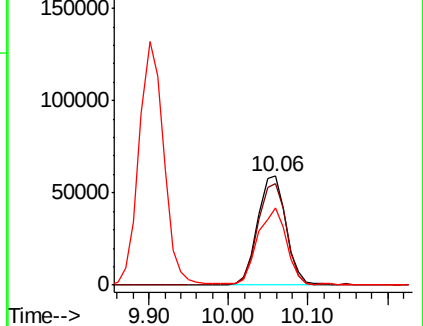
119 71.3 36.8 110.4

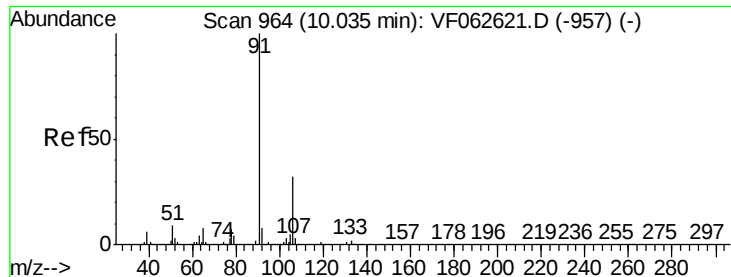


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

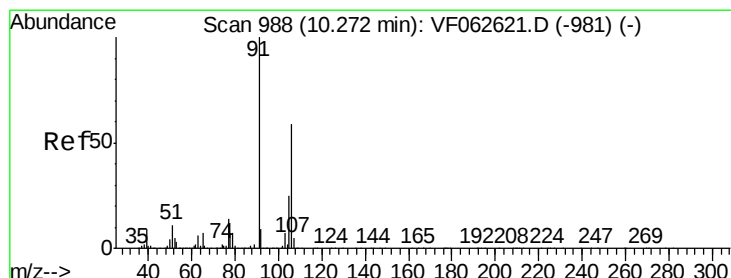
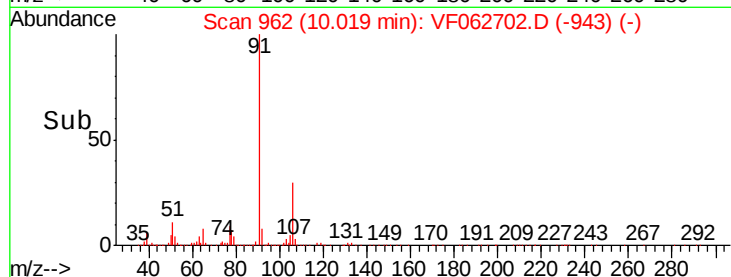
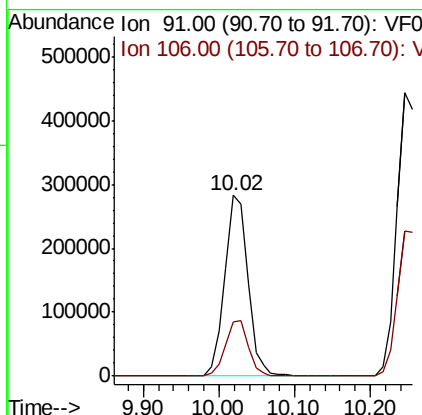
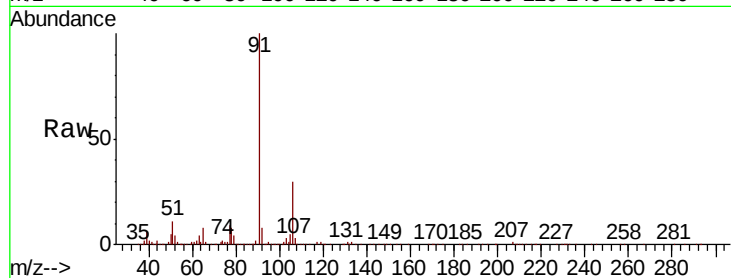




#67
Ethyl Benzene
Concen: 20.127 ug/l
RT: 10.02 min Scan# 962
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

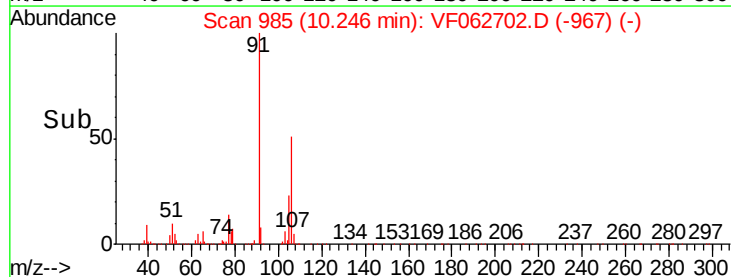
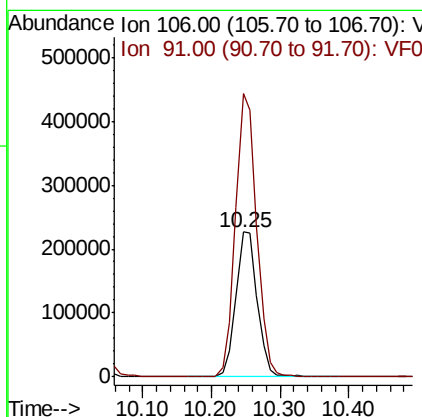
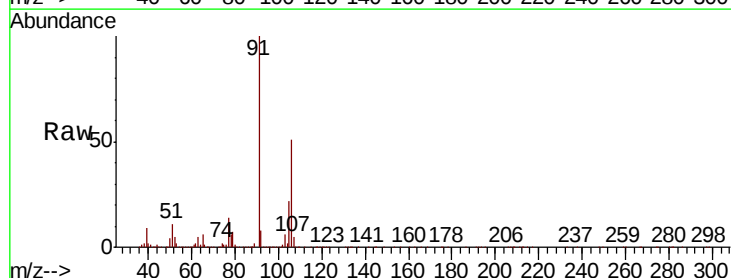
Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

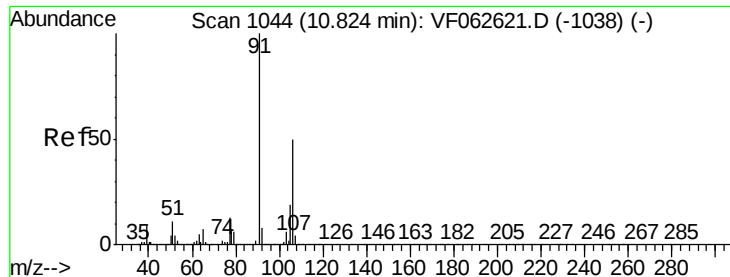
Tot Ion: 91 Resp: 603707
Ion Ratio Lower Upper
91 100
106 29.9 25.8 38.8



#68
m/p-Xylenes
Concen: 43.224 ug/l
RT: 10.25 min Scan# 985
Delta R.T. -0.03 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Tgt Ion: 106 Resp: 487269
Ion Ratio Lower Upper
106 100
91 195.5 136.9 205.3

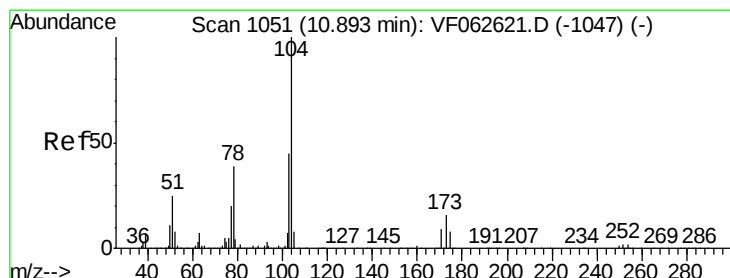
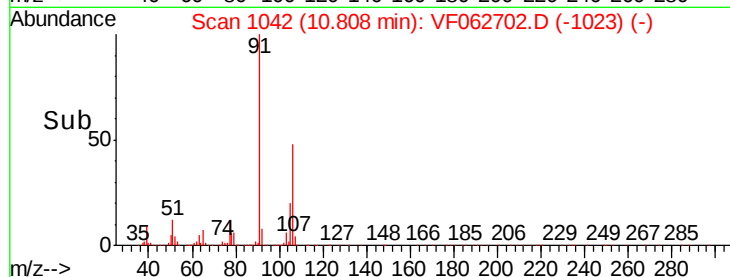
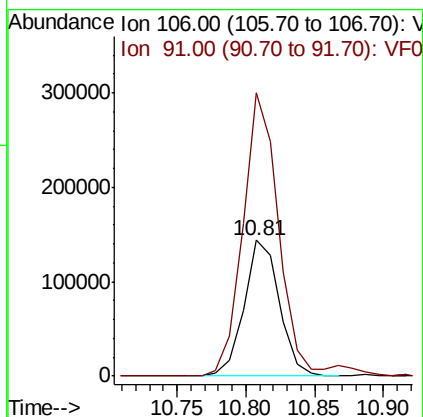
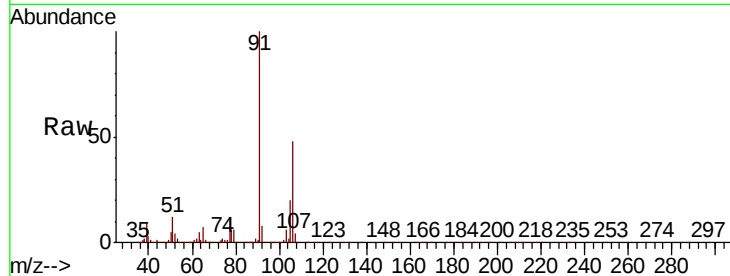




#69
o-Xylene
Concen: 22.179 ug/l
RT: 10.81 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

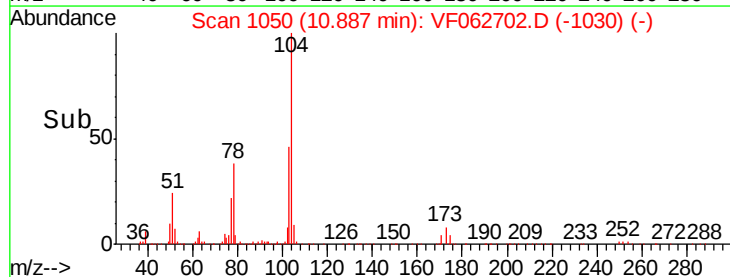
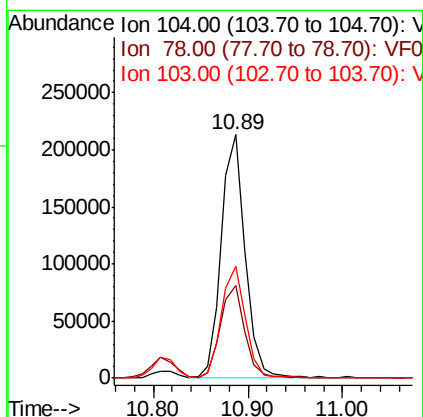
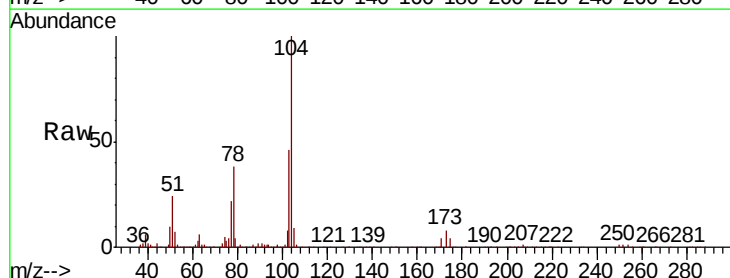
Instrument :
MSVOA_F
ClientSampleId :
VF0522SBSD01

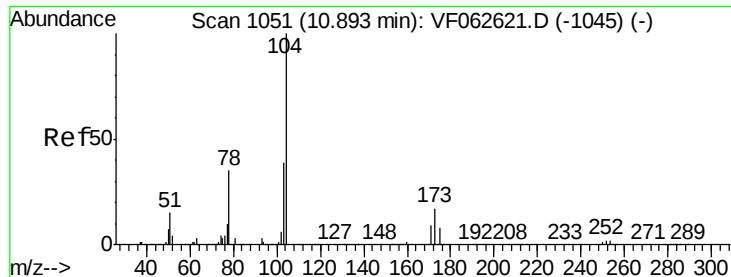
Tot Ion:106 Resp: 257532
Ion Ratio Lower Upper
106 100
91 208.6 100.2 300.5



#70
Styrene
Concen: 21.006 ug/l
RT: 10.89 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Tgt Ion:104 Resp: 370724
Ion Ratio Lower Upper
104 100
78 38.1 31.9 47.9
103 45.9 36.1 54.1





#71

Bromoform

Concen: 21.132 ug/l

RT: 10.87 min Scan# 1048

Delta R.T. -0.03 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

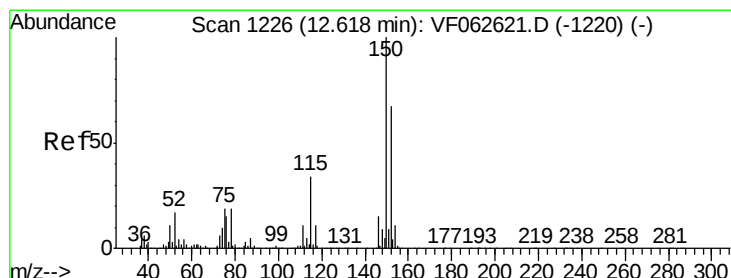
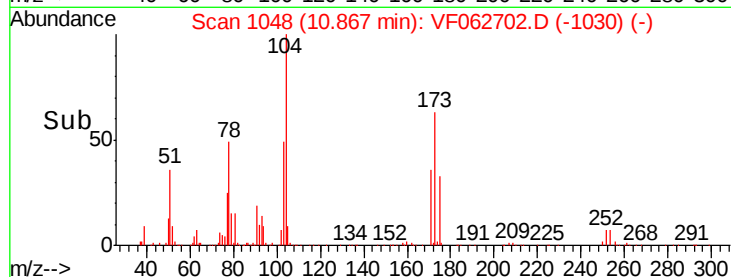
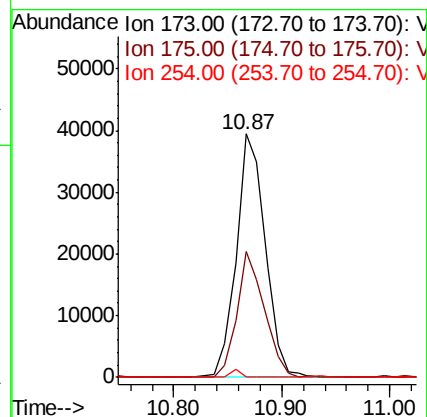
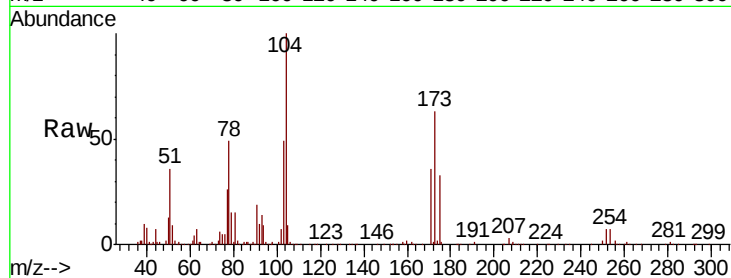
Tot Ion:173 Resp: 73359

Ion Ratio Lower Upper

173 100

175 52.7 25.3 75.9

254 0.0 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.60 min Scan# 1224

Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

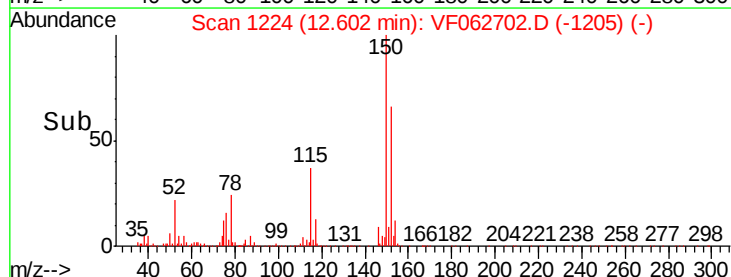
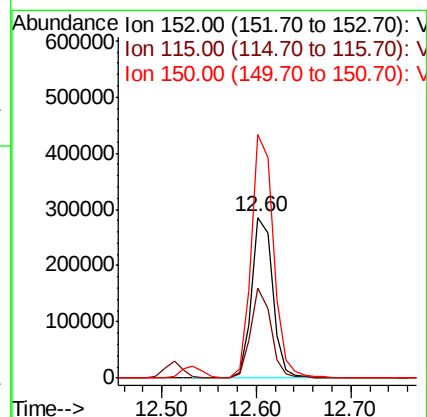
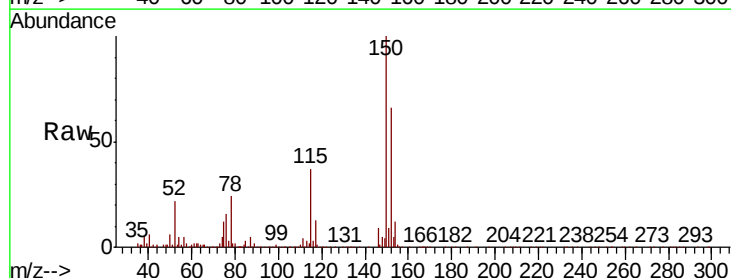
Tgt Ion:152 Resp: 445325

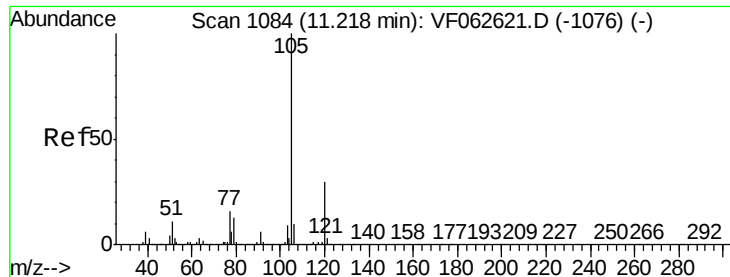
Ion Ratio Lower Upper

152 100

115 56.3 25.2 75.6

150 151.5 0.0 306.2





#73

Isopropylbenzene

Concen: 22.184 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.01 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

ClientSampleId :

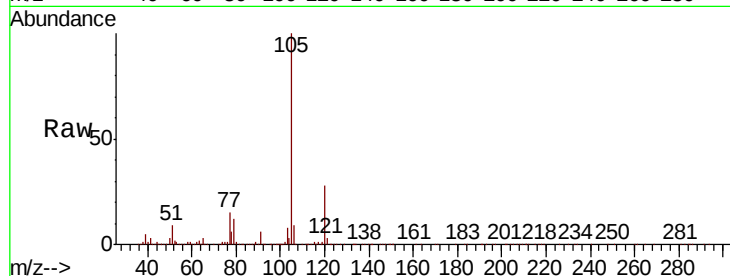
VF0522SBS01

Tot Ion:105 Resp: 708046

Ion Ratio Lower Upper

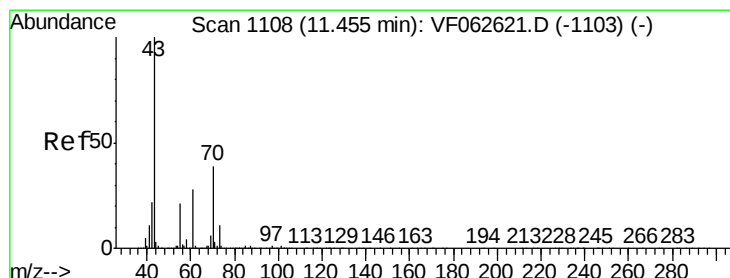
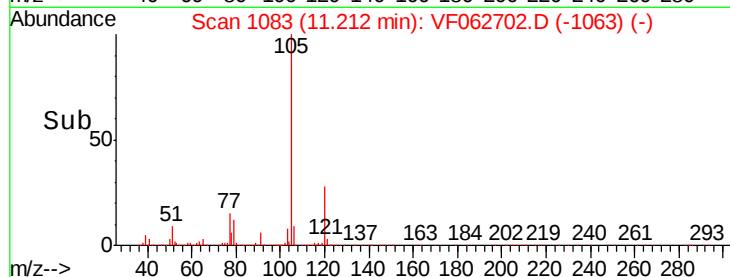
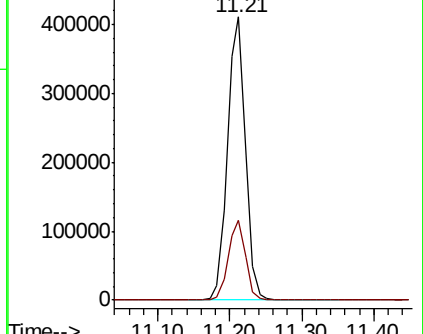
105 100

120 28.1 14.8 44.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 16.142 ug/l

RT: 11.44 min Scan# 1106

Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Tgt Ion: 43 Resp: 160763

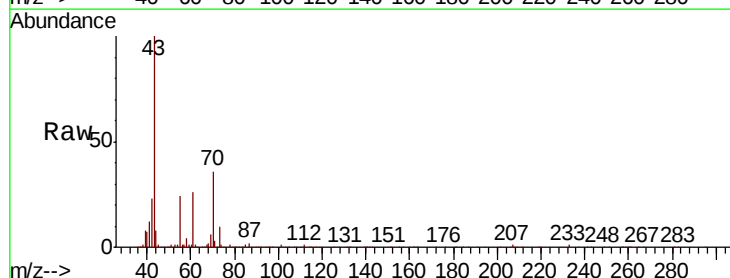
Ion Ratio Lower Upper

43 100

70 36.2 30.9 46.3

55 24.1 17.0 25.4

61 26.0 22.6 34.0

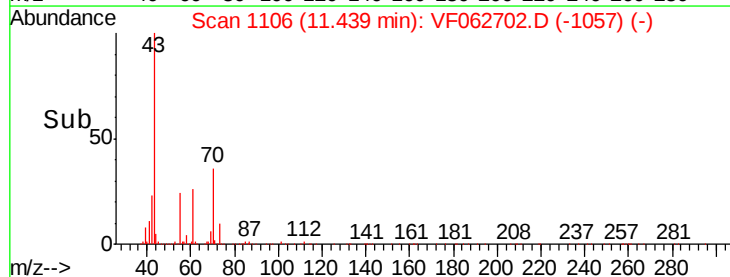
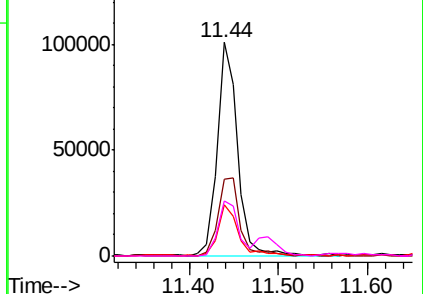


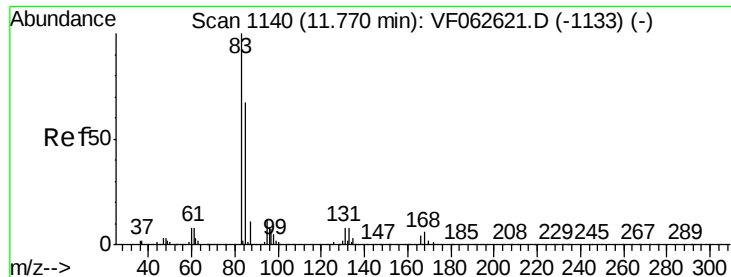
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 21.317 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

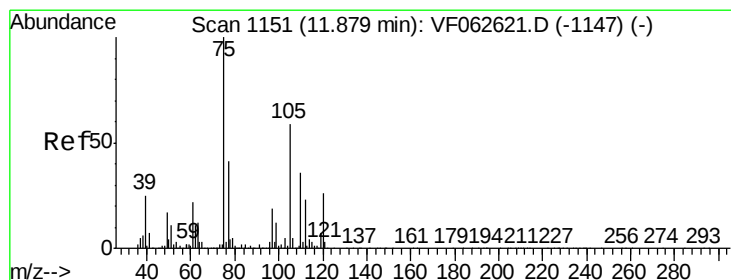
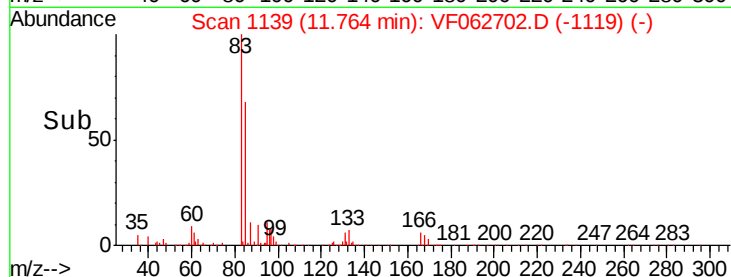
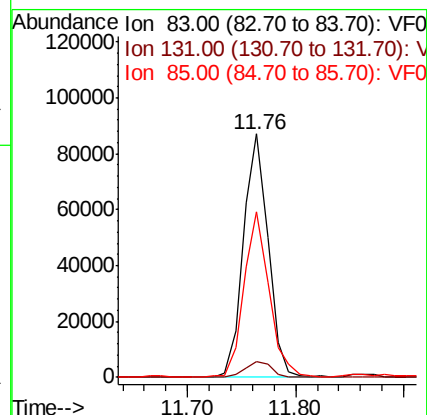
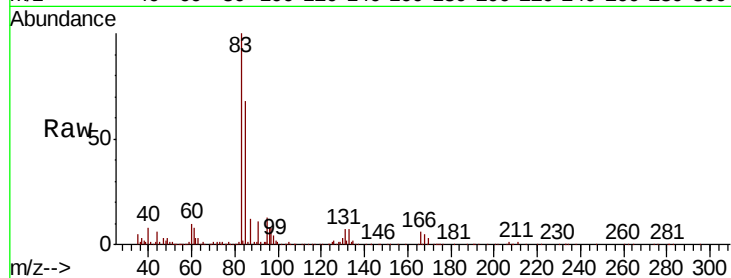
Tot Ion: 83 Resp: 139042

Ion Ratio Lower Upper

83 100

131 6.7 4.0 12.0

85 68.2 33.5 100.5



#76

1,2,3-Trichloropropane

Concen: 20.433 ug/l

RT: 11.86 min Scan# 1149

Delta R.T. -0.02 min

Lab File: VF062702.D

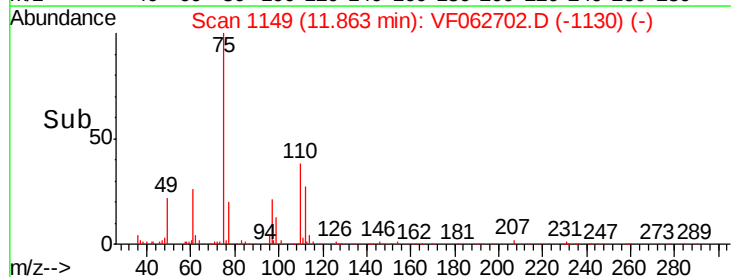
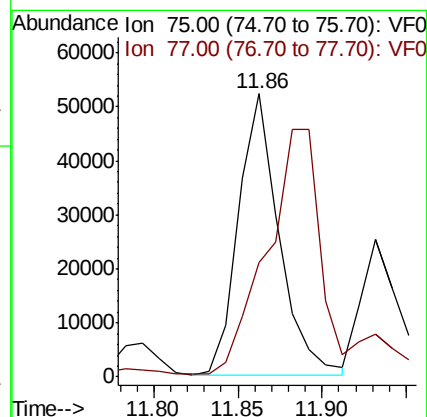
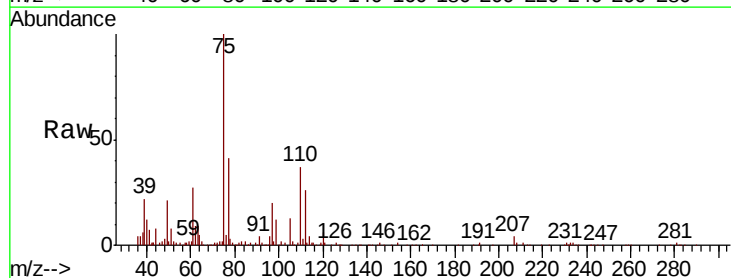
Acq: 22 May 2019 13:34

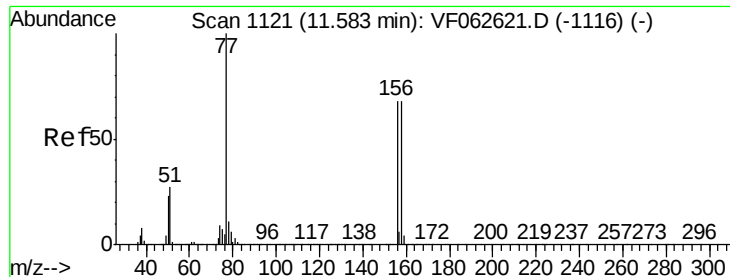
Tgt Ion: 75 Resp: 87572

Ion Ratio Lower Upper

75 100

77 40.5 20.6 61.8

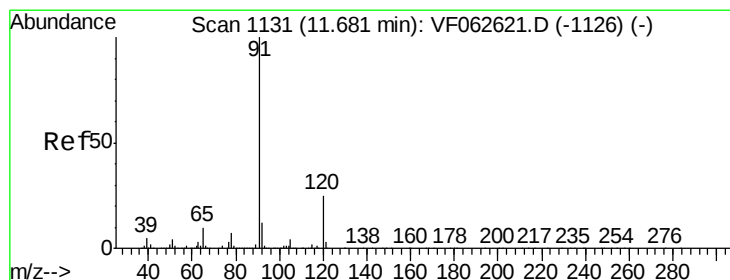
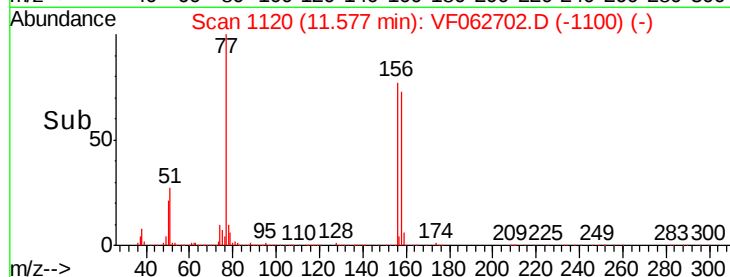
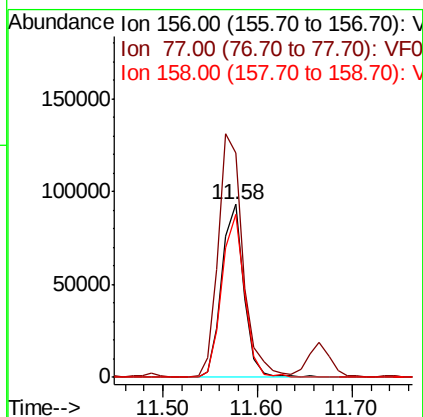
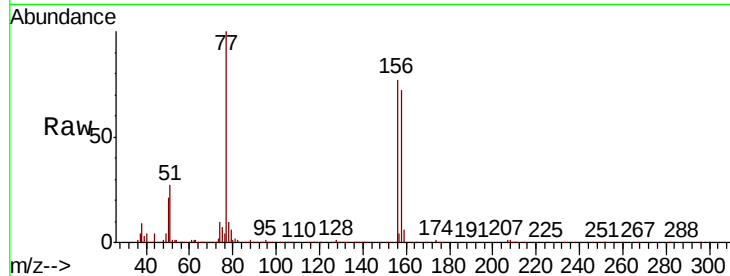




#77
Bromobenzene
Concen: 19.279 ug/l
RT: 11.58 min Scan# 1120
Delta R.T. -0.01 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

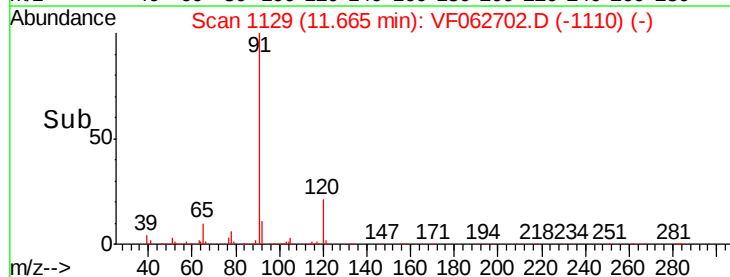
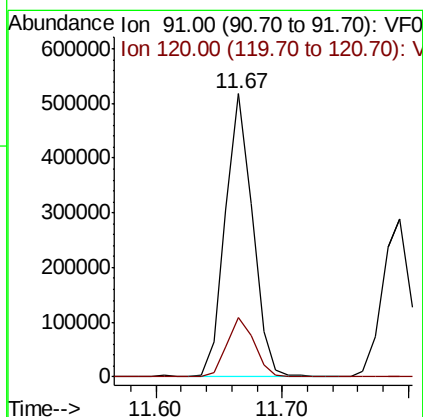
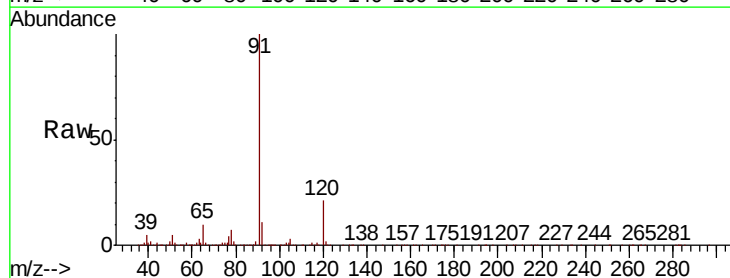
Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

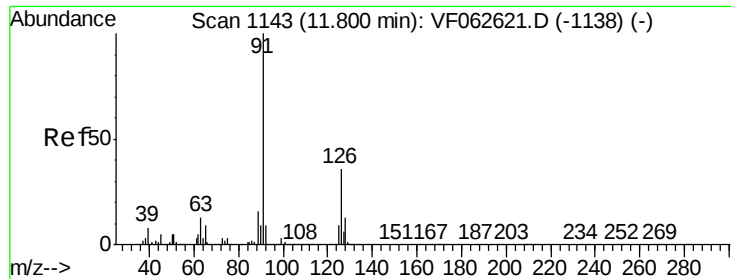
Tot Ion:156 Resp: 152949
Ion Ratio Lower Upper
156 100
77 130.1 73.6 220.8
158 94.1 49.6 148.8



#78
n-propylbenzene
Concen: 20.486 ug/l
RT: 11.67 min Scan# 1129
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Tgt Ion: 91 Resp: 773836
Ion Ratio Lower Upper
91 100
120 21.1 12.7 38.1





#79

2-Chlorotoluene

Concen: 20.989 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

ClientSampleId :

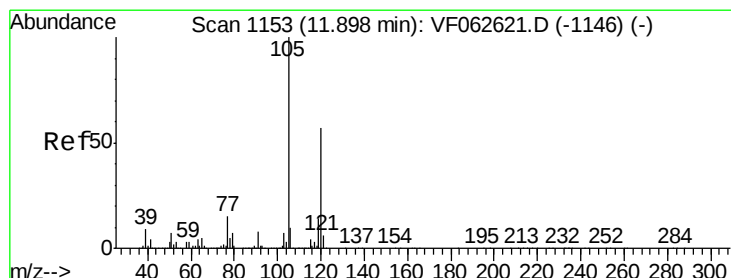
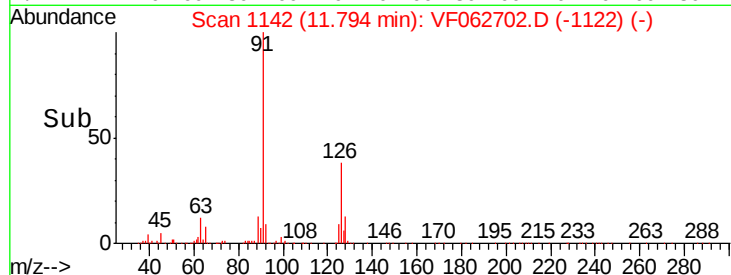
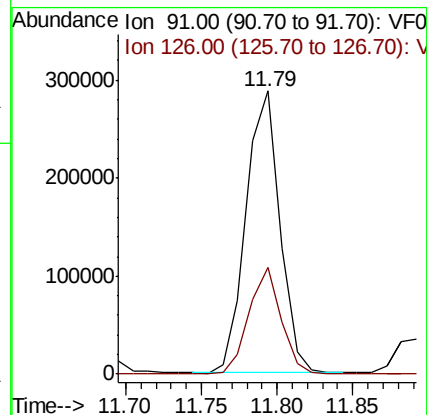
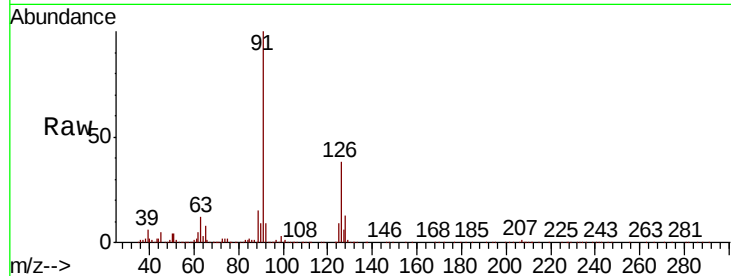
VF0522SBSD01

Tot Ion: 91 Resp: 446804

Ion Ratio Lower Upper

91 100

126 37.6 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 22.062 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.01 min

Lab File: VF062702.D

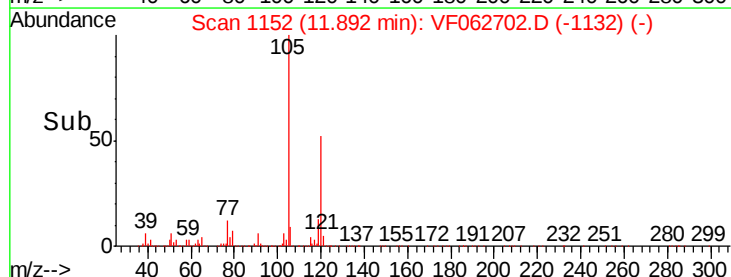
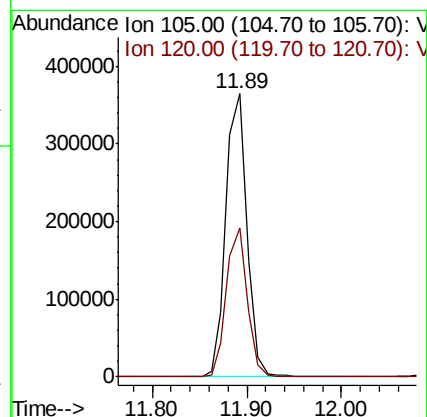
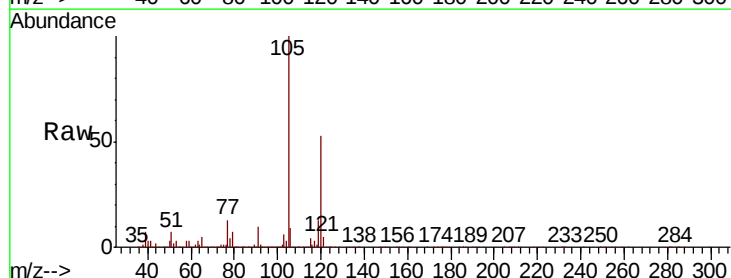
Acq: 22 May 2019 13:34

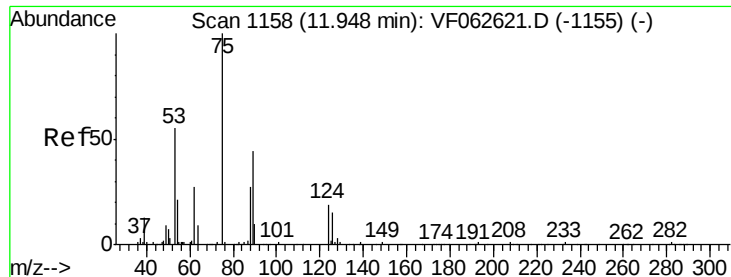
Tgt Ion: 105 Resp: 564618

Ion Ratio Lower Upper

105 100

120 52.6 28.7 86.3

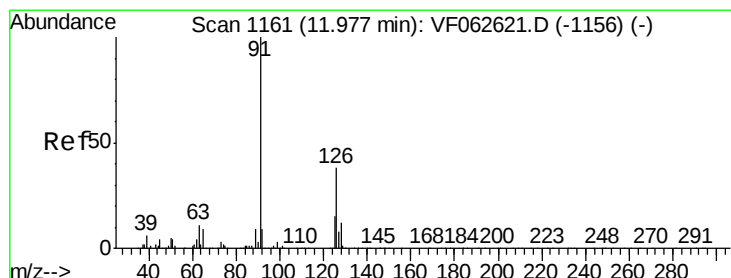
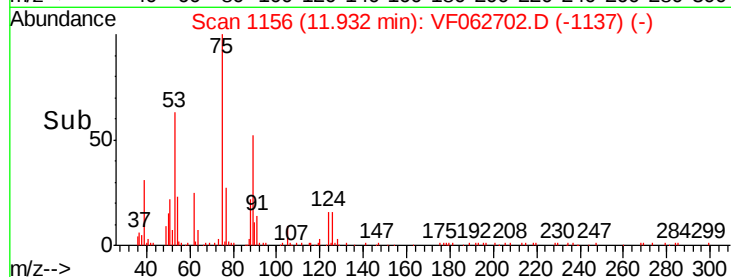
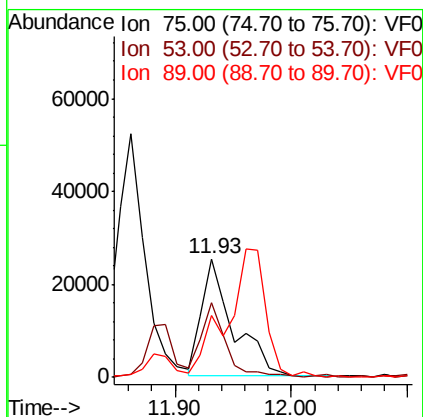
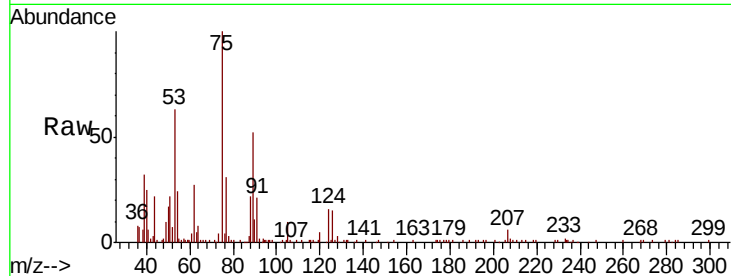




#81
trans-1,4-Dichloro-2-butene
Concen: 25.347 ug/l
RT: 11.93 min Scan# 1156
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

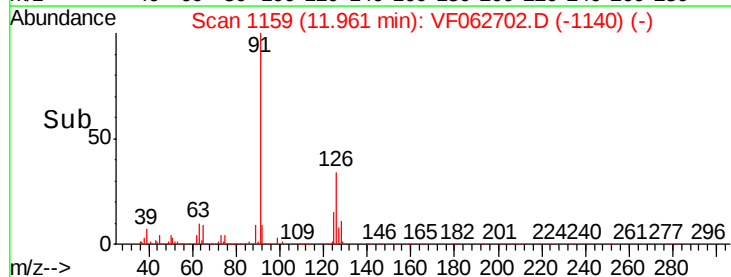
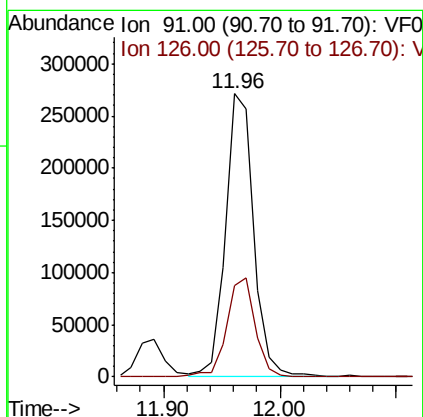
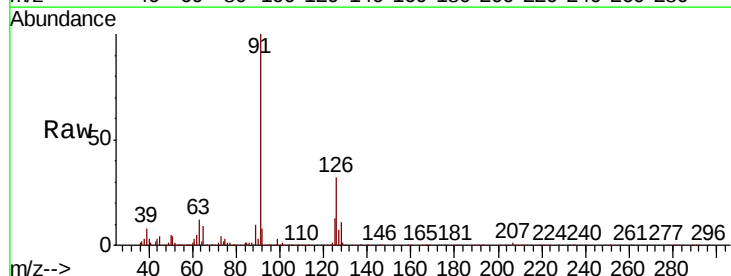
Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

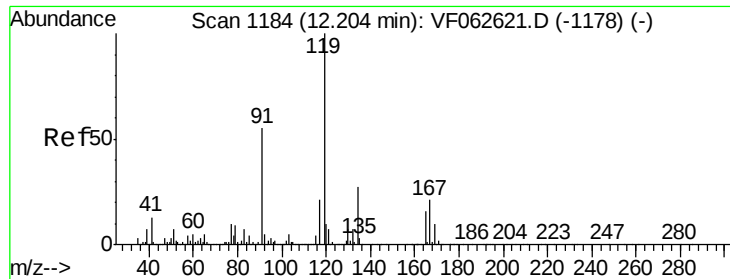
Tot Ion: 75 Resp: 48289
Ion Ratio Lower Upper
75 100
53 63.5 46.9 70.3
89 52.1 36.4 54.6



#82
4-Chlorotoluene
Concen: 21.431 ug/l
RT: 11.96 min Scan# 1159
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Tgt Ion: 91 Resp: 449892
Ion Ratio Lower Upper
91 100
126 32.4 19.1 57.1

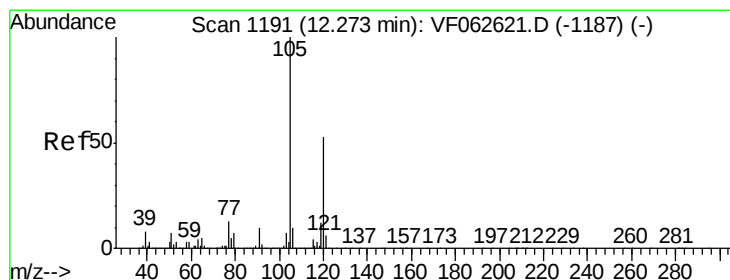
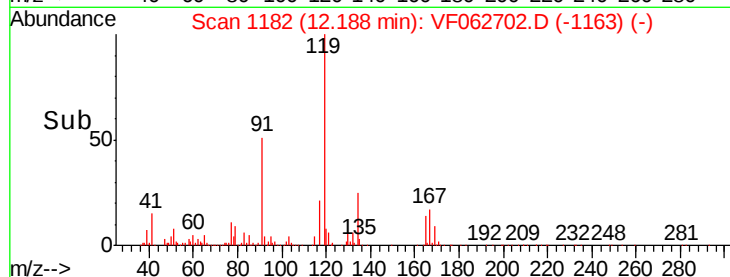
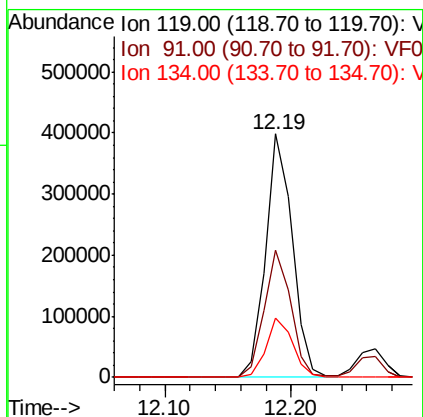
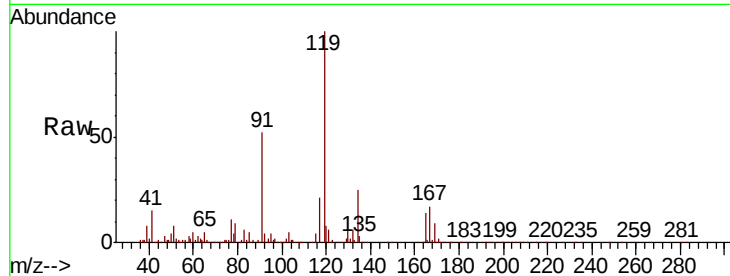




#83
 tert-Butylbenzene
 Concen: 22.705 ug/l
 RT: 12.19 min Scan# 1182
 Delta R.T. -0.02 min
 Lab File: VF062702.D
 Acq: 22 May 2019 13:34

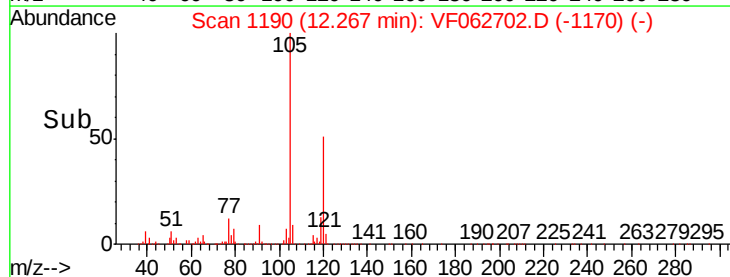
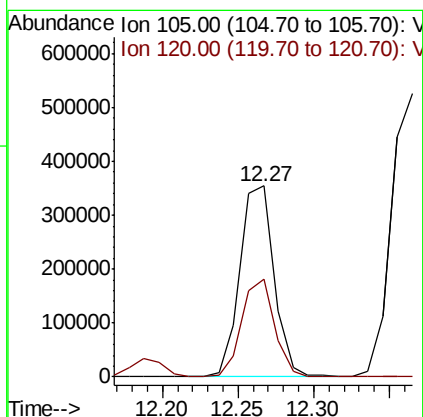
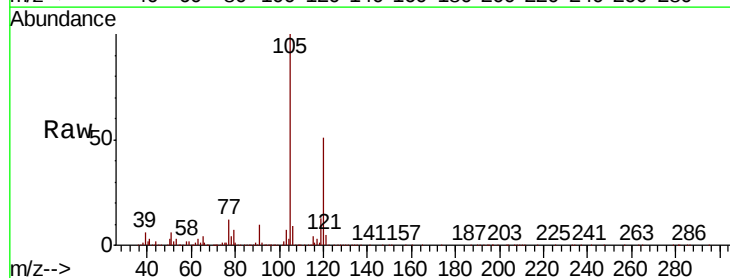
Instrument :
 MSVOA_F
 ClientSampleID :
 VF0522SBS01

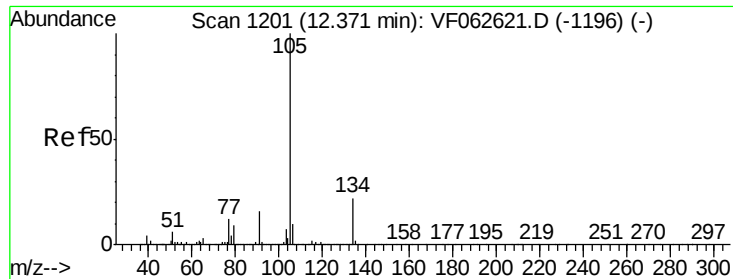
Tot Ion:119 Resp: 589539
 Ion Ratio Lower Upper
 119 100
 91 52.4 27.3 81.9
 134 24.6 13.6 40.7



#84
 1,2,4-Trimethylbenzene
 Concen: 22.480 ug/l
 RT: 12.27 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: VF062702.D
 Acq: 22 May 2019 13:34

Tgt Ion:105 Resp: 556847
 Ion Ratio Lower Upper
 105 100
 120 51.1 26.7 80.1

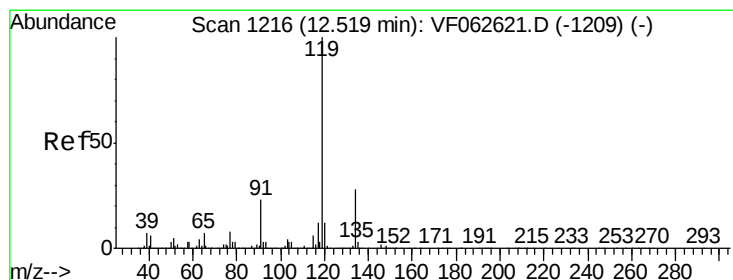
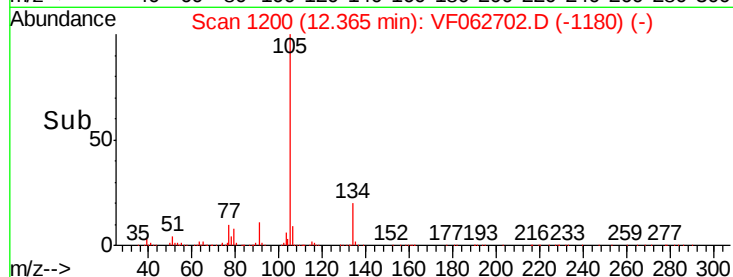
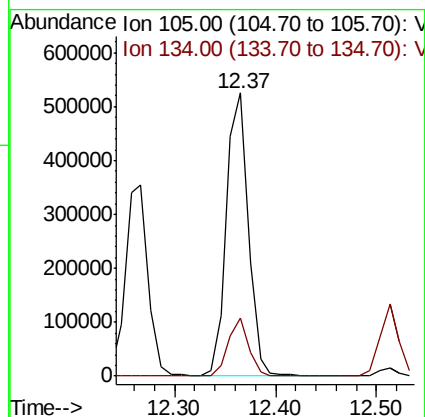
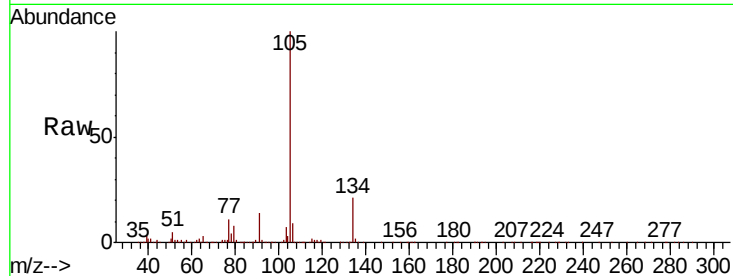




#85
 sec-Butylbenzene
 Concen: 22.759 ug/l
 RT: 12.37 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF062702.D
 Acq: 22 May 2019 13:34

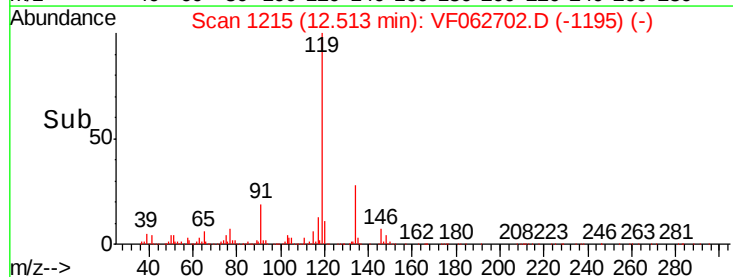
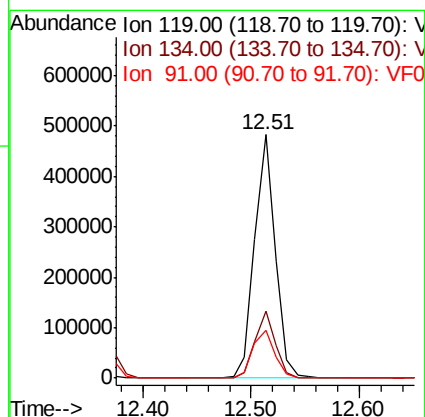
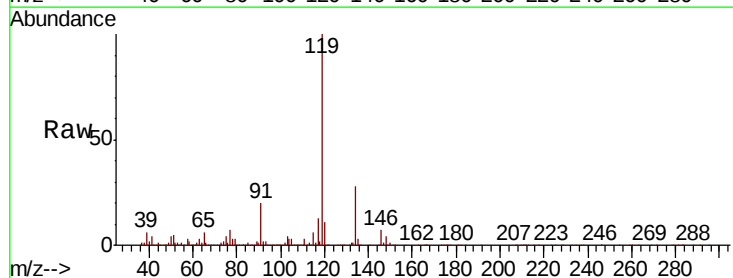
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0522SBS01

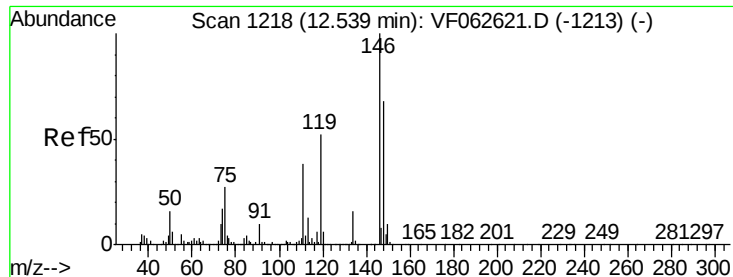
Tot Ion:105 Resp: 793046
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.8 32.4



#86
 p-Isopropyltoluene
 Concen: 21.752 ug/l
 RT: 12.51 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: VF062702.D
 Acq: 22 May 2019 13:34

Tgt Ion:119 Resp: 638764
 Ion Ratio Lower Upper
 119 100
 134 27.6 14.1 42.3
 91 19.6 11.4 34.2

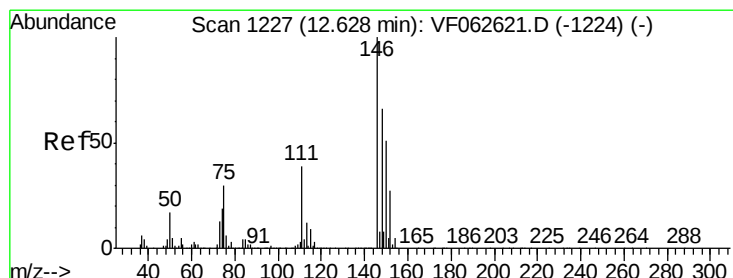
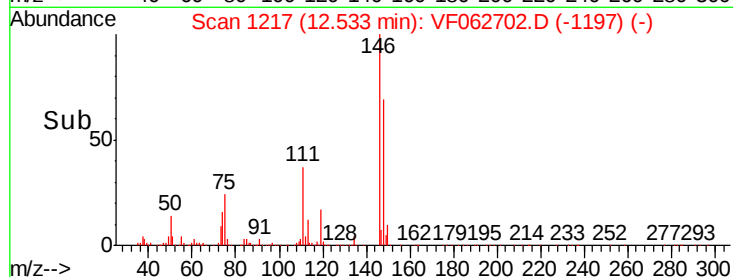
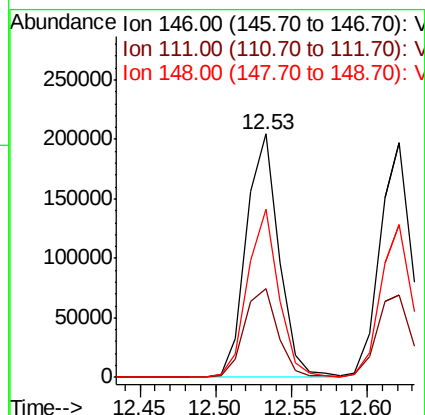
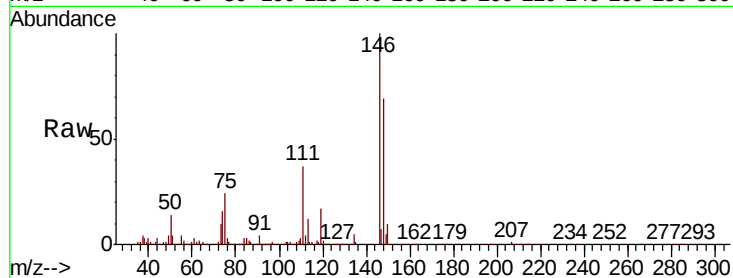




#87
 1,3-Dichlorobenzene
 Concen: 21.401 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: VF062702.D
 Acq: 22 May 2019 13:34

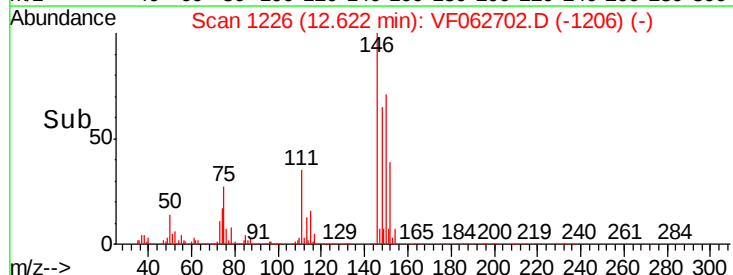
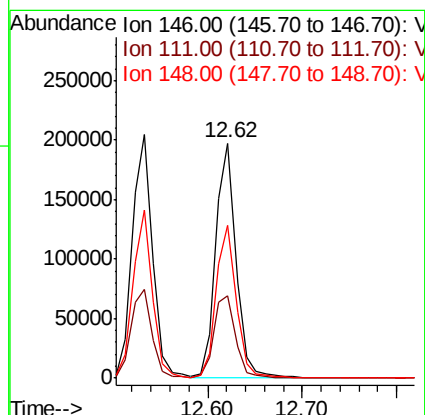
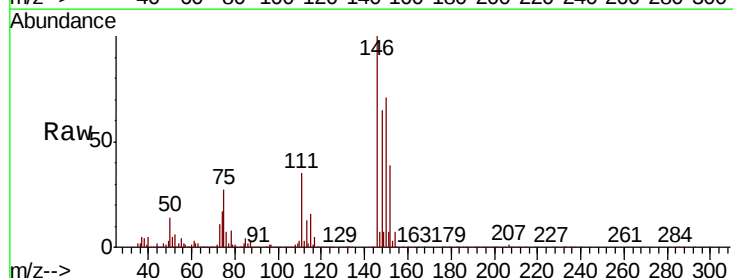
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0522SBS01

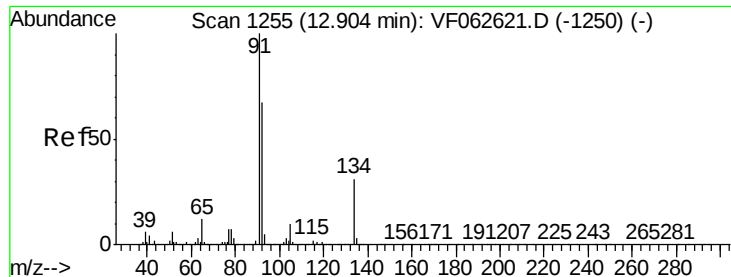
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.9	56.9
148	68.8	34.0	101.8



#88
 1,4-Dichlorobenzene
 Concen: 21.972 ug/l
 RT: 12.62 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: VF062702.D
 Acq: 22 May 2019 13:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.9	19.4	58.2
148	65.0	33.2	99.6

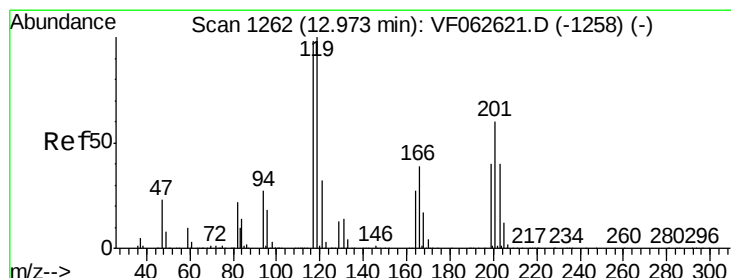
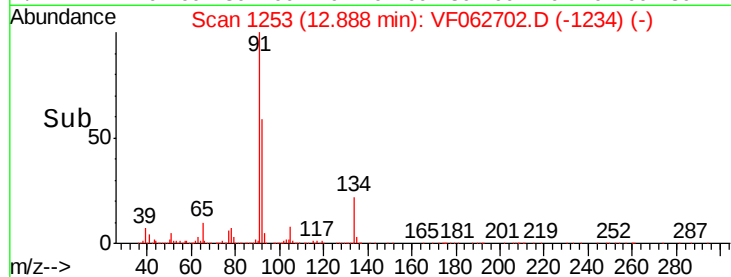
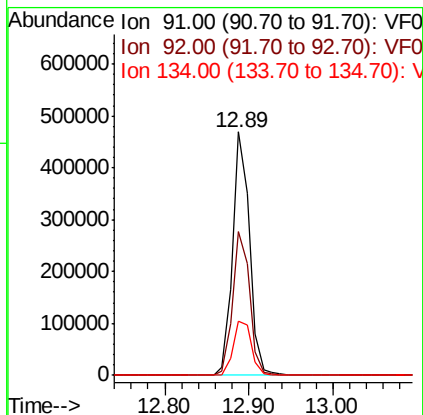
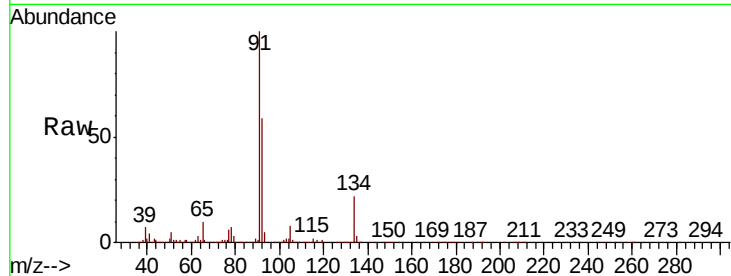




#89
n-Butylbenzene
Concen: 22.586 ug/l
RT: 12.89 min Scan# 1253
Delta R.T. -0.02 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

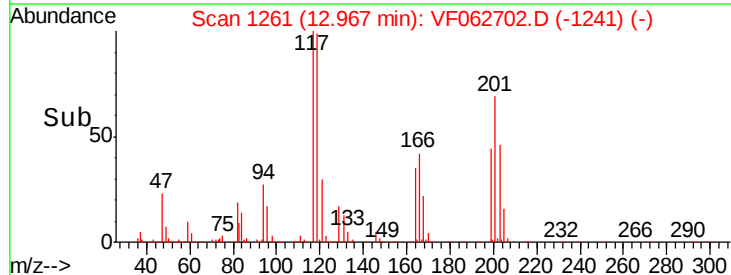
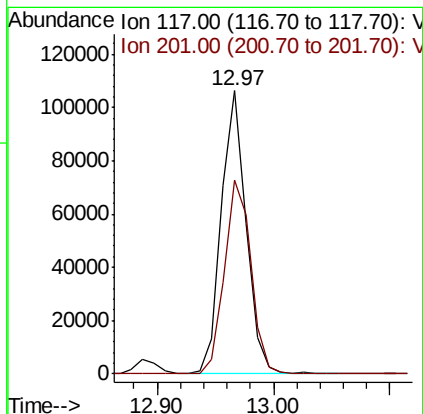
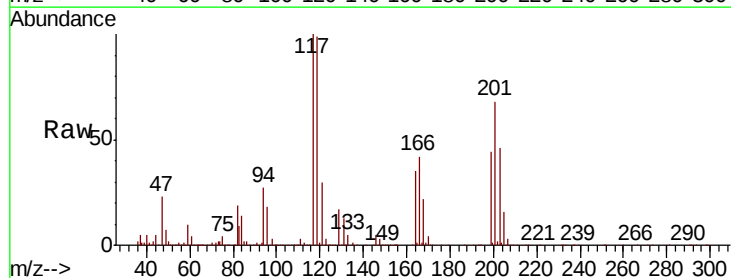
Instrument :
MSVOA_F
ClientSampleId :
VF0522SBS01

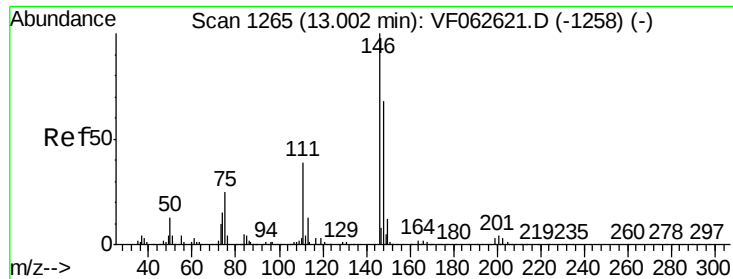
Tot Ion: 91 Resp: 653945
Ion Ratio Lower Upper
91 100
92 59.2 33.3 99.8
134 22.5 15.4 46.4



#90
Hexachloroethane
Concen: 22.199 ug/l
RT: 12.97 min Scan# 1261
Delta R.T. -0.01 min
Lab File: VF062702.D
Acq: 22 May 2019 13:34

Tgt Ion: 117 Resp: 156382
Ion Ratio Lower Upper
117 100
201 68.4 30.7 92.1





#91

1,2-Dichlorobenzene

Concen: 21.894 ug/l

RT: 12.99 min Scan# 1263

Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBS01

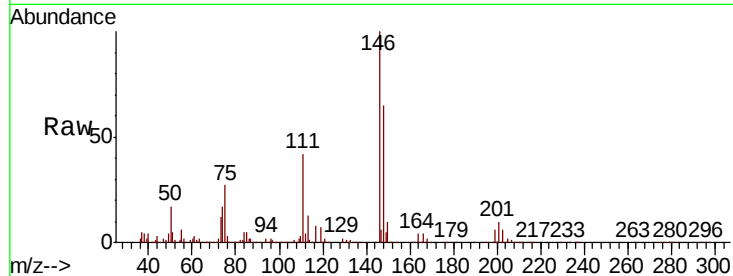
Tot Ion:146 Resp: 280130

Ion Ratio Lower Upper

146 100

111 41.8 19.8 59.3

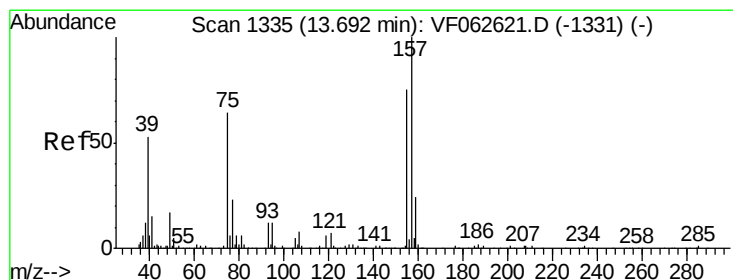
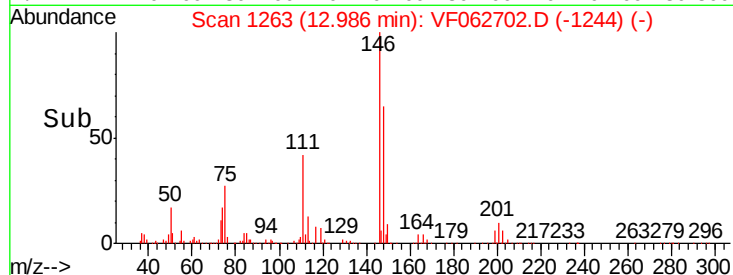
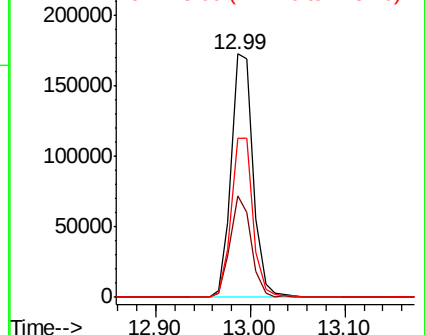
148 65.4 34.1 102.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.887 ug/l

RT: 13.68 min Scan# 1333

Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

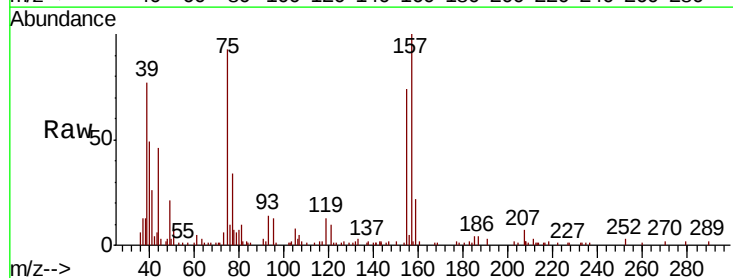
Tgt Ion: 75 Resp: 17031

Ion Ratio Lower Upper

75 100

155 79.7 58.1 174.3

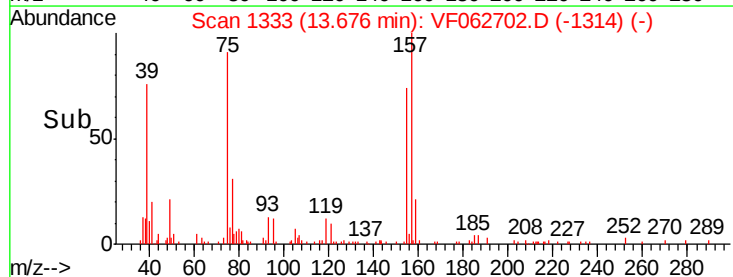
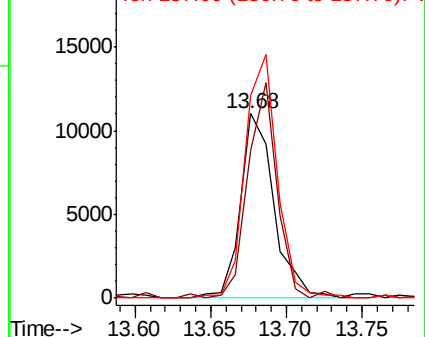
157 110.0 77.8 233.4

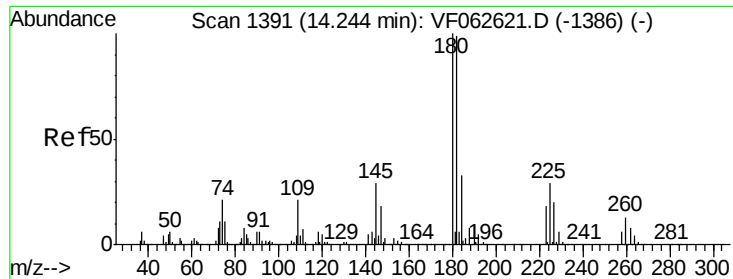


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

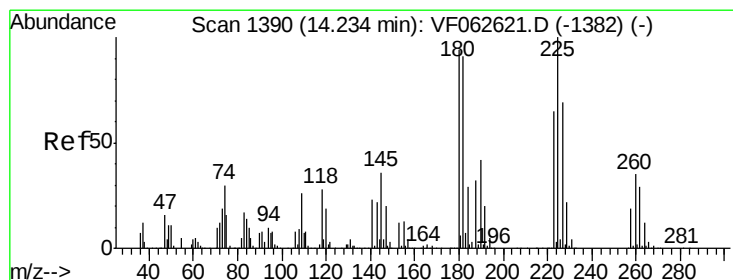
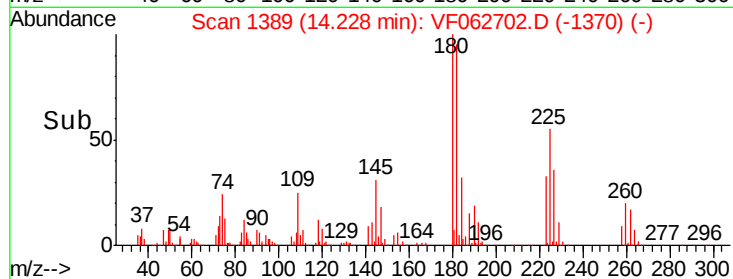
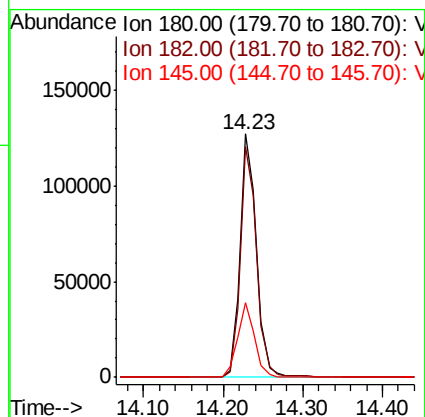
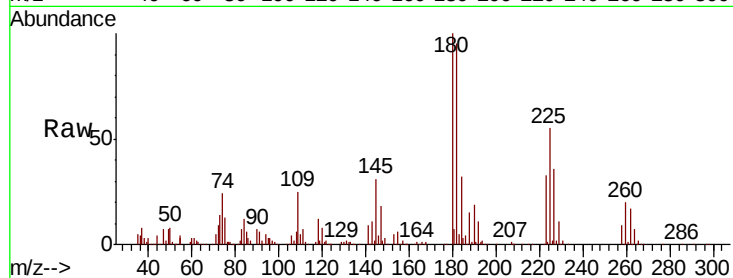




#93
 1,2,4-Trichlorobenzene
 Concen: 20.000 ug/l
 RT: 14.23 min Scan# 1389
 Delta R.T. -0.02 min
 Lab File: VF062702.D
 Acq: 22 May 2019 13:34

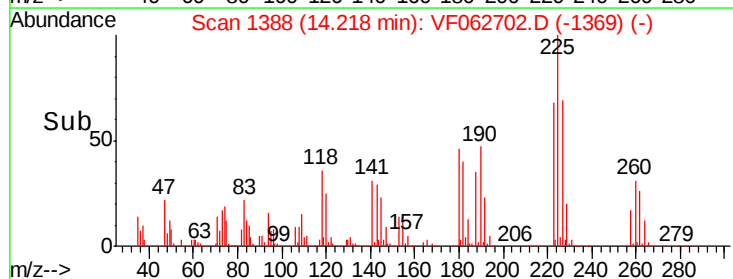
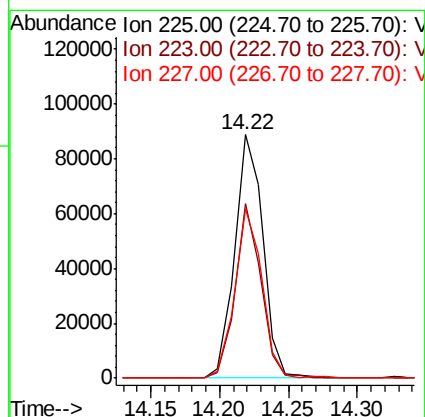
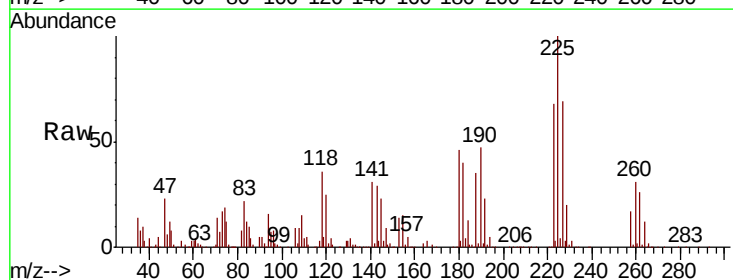
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0522SBS01

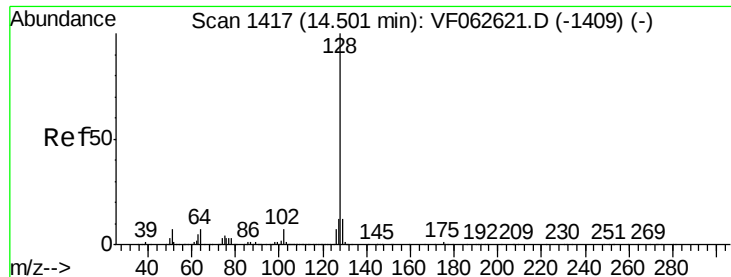
Tot Ion:180 Resp: 183171
 Ion Ratio Lower Upper
 180 100
 182 95.0 49.7 149.1
 145 30.6 14.6 44.0



#94
 Hexachlorobutadiene
 Concen: 19.790 ug/l
 RT: 14.22 min Scan# 1388
 Delta R.T. -0.02 min
 Lab File: VF062702.D
 Acq: 22 May 2019 13:34

Tgt Ion:225 Resp: 126487
 Ion Ratio Lower Upper
 225 100
 223 71.8 32.5 97.4
 227 69.4 34.5 103.5





#95

Naphthalene

Concen: 16.605 ug/l

RT: 14.48 min Scan# 1415

Delta R.T. -0.02 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

Instrument :

MSVOA_F

ClientSampleId :

VF0522SBSD01

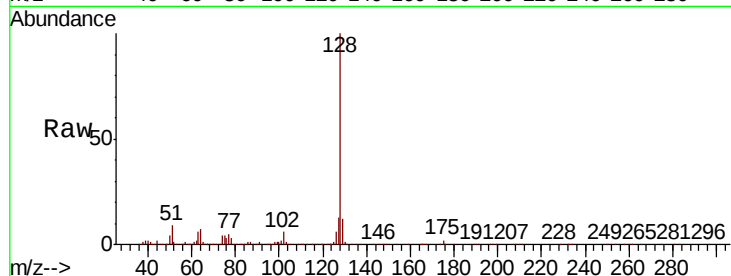
Tot Ion:128 Resp: 276273

Ion Ratio Lower Upper

128 100

127 12.9 9.7 14.5

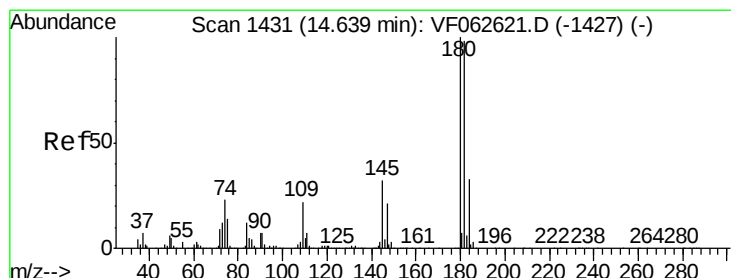
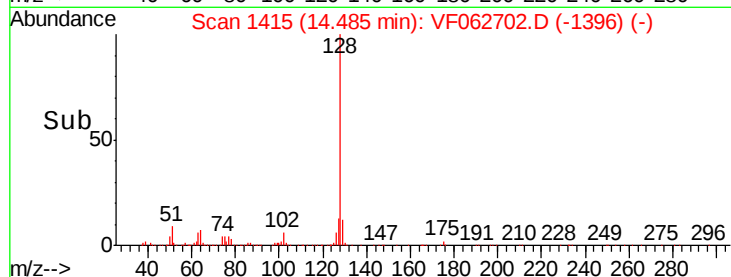
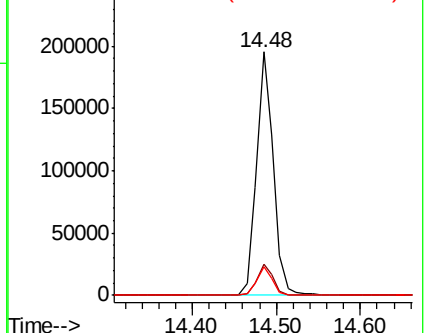
129 11.7 9.3 13.9



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: 18.824 ug/l

RT: 14.63 min Scan# 1430

Delta R.T. -0.01 min

Lab File: VF062702.D

Acq: 22 May 2019 13:34

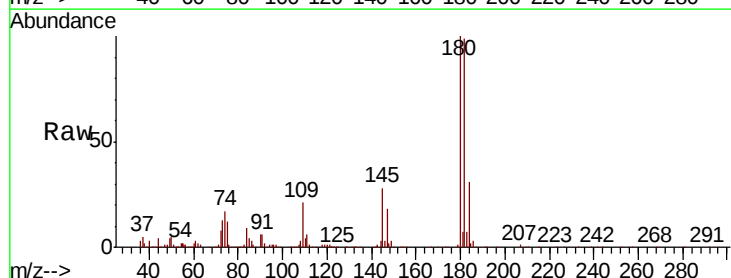
Tgt Ion:180 Resp: 163293

Ion Ratio Lower Upper

180 100

182 99.3 48.9 146.7

145 27.7 16.1 48.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

