

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052319\
 Data File : VF062722.D
 Acq On : 23 May 2019 13:05
 Operator : FY/SY
 Sample : VF0523SBSD01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0523SBSD01

Quant Time: May 24 02:13:06 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	5.06	168	776413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	1287892	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	985815	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	493526	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	242988	44.29	ug/l	0.00
Spiked Amount			Recovery	=	88.58%	
35) Dibromofluoromethane	4.31	113	479270	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
50) Toluene-d8	7.71	98	1070544	45.50	ug/l	0.00
Spiked Amount			Recovery	=	91.00%	
62) 4-Bromofluorobenzene	11.50	95	384053	43.04	ug/l	0.00
Spiked Amount			Recovery	=	86.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	203930	19.301	ug/l	94
3) Chloromethane	1.14	50	205778	21.151	ug/l	99
4) Vinyl Chloride	1.19	62	176956	19.760	ug/l	96
5) Bromomethane	1.37	94	95606	19.515	ug/l	94
6) Chloroethane	1.43	64	63001	19.155	ug/l #	83
7) Trichlorofluoromethane	1.55	101	275007	22.871	ug/l	100
8) Diethyl Ether	1.72	74	45782	19.219	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.91	101	167780	21.913	ug/l	93
10) Methyl Iodide	1.97	142	346280	23.023	ug/l	98
11) Tert butyl alcohol	2.70	59	32724	90.342	ug/l	97
12) 1,1-Dichloroethene	1.87	96	138078	19.797	ug/l	90
13) Acrolein	2.10	56	32564	86.123	ug/l	100
14) Allyl chloride	2.20	41	164577	26.072	ug/l	98
15) Acrylonitrile	3.09	53	109714	107.376	ug/l	89
16) Acetone	2.35	43	125952	88.488	ug/l	96
17) Carbon Disulfide	1.91	76	444777	21.515	ug/l #	93
18) Methyl Acetate	2.47	43	53569	23.950	ug/l #	89
19) Methyl tert-butyl Ether	2.55	73	263198	21.109	ug/l	97
20) Methylene Chloride	2.29	84	157208	22.035	ug/l	96
21) trans-1,2-Dichloroethene	2.43	96	149045	21.863	ug/l	91
22) Diisopropyl ether	2.94	45	341584	21.940	ug/l	98
23) Vinyl Acetate	3.34	43	1101767	104.905	ug/l	99
24) 1,1-Dichloroethane	3.02	63	261920	22.932	ug/l	98
25) 2-Butanone	4.53	43	294439	96.822	ug/l	97
26) 2,2-Dichloropropane	3.78	77	180696	27.651	ug/l	87
27) cis-1,2-Dichloroethene	3.65	96	237880	21.213	ug/l	98
28) Bromochloromethane	3.91	49	133573	20.852	ug/l	93
29) Tetrahydrofuran	4.27	42	123345	100.231	ug/l	96
30) Chloroform	4.05	83	358548	22.610	ug/l	97
31) Cyclohexane	3.89	56	332413	21.676	ug/l	95
32) 1,1,1-Trichloroethane	4.29	97	249727	23.713	ug/l	97
36) 1,1-Dichloropropene	4.48	75	272844	20.675	ug/l	98
37) Ethyl Acetate	4.30	43	104742	19.439	ug/l #	87
38) Carbon Tetrachloride	4.19	117	227181	22.890	ug/l #	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052319\
 Data File : VF062722.D
 Acq On : 23 May 2019 13:05
 Operator : FY/SY
 Sample : VF0523SBSD01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0523SBSD01

Quant Time: May 24 02:13:06 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	5.64	83	360768	22.720	ug/l	96
40) Benzene	4.83	78	786457	21.875	ug/l	98
41) Methacrylonitrile	4.93	41	55882	19.782	ug/l	96
42) 1,2-Dichloroethane	5.13	62	155484	21.687	ug/l	97
43) Isopropyl Acetate	7.12	43	130180	18.648	ug/l #	96
44) Trichloroethene	5.69	130	232541	23.014	ug/l	85
45) 1,2-Dichloropropane	6.41	63	191979	21.153	ug/l	95
46) Dibromomethane	6.26	93	110298	21.029	ug/l	98
47) Bromodichloromethane	6.56	83	223459	20.522	ug/l	99
48) Methyl methacrylate	6.88	41	64945	17.799	ug/l	94
49) 1,4-Dioxane	6.87	88	16650	356.282	ug/l #	78
51) 4-Methyl-2-Pentanone	8.40	43	493912	103.510	ug/l	99
52) Toluene	7.78	92	419678	22.258	ug/l	94
53) t-1,3-Dichloropropene	8.42	75	191621	21.510	ug/l	96
54) cis-1,3-Dichloropropene	7.46	75	263515	21.132	ug/l	99
55) 1,1,2-Trichloroethane	8.64	97	126174	22.601	ug/l	94
56) Ethyl methacrylate	8.76	69	135948	20.440	ug/l	99
57) 1,3-Dichloropropane	9.00	76	206142	21.679	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.45	63	203415	93.960	ug/l	99
59) 2-Hexanone	9.62	43	347551	101.352	ug/l	100
60) Dibromochloromethane	8.85	129	166045	22.821	ug/l	97
61) 1,2-Dibromoethane	9.13	107	135742	22.892	ug/l	96
64) Tetrachloroethene	8.30	164	169262	21.673	ug/l	95
65) Chlorobenzene	9.93	112	425818	21.992	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.06	131	179531	23.097	ug/l	99
67) Ethyl Benzene	10.03	91	762035	22.655	ug/l	95
68) m/p-Xylenes	10.25	106	593446	46.942	ug/l	91
69) o-Xylene	10.82	106	297391	22.838	ug/l	96
70) Styrene	10.89	104	415491	20.993	ug/l	95
71) Bromoform	10.88	173	84003	21.578	ug/l #	99
73) Isopropylbenzene	11.21	105	789121	22.309	ug/l	98
74) N-amyl acetate	11.45	43	202626	19.189	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.77	83	163272	22.587	ug/l	92
76) 1,2,3-Trichloropropane	11.87	75	103901	21.875	ug/l	100
77) Bromobenzene	11.58	156	184749	21.013	ug/l	94
78) n-propylbenzene	11.67	91	959876	22.930	ug/l	95
79) 2-Chlorotoluene	11.79	91	536449	22.739	ug/l	97
80) 1,3,5-Trimethylbenzene	11.89	105	665055	23.448	ug/l	90
81) trans-1,4-Dichloro-2-buten	11.94	75	59262	28.069	ug/l	97
82) 4-Chlorotoluene	11.97	91	529466	22.759	ug/l	98
83) tert-Butylbenzene	12.20	119	598348	20.794	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	652059	23.753	ug/l	96
85) sec-Butylbenzene	12.36	105	871377	22.564	ug/l	92
86) p-Isopropyltoluene	12.51	119	746115	22.926	ug/l	98
87) 1,3-Dichlorobenzene	12.53	146	360466	22.661	ug/l	99
88) 1,4-Dichlorobenzene	12.62	146	339018	22.711	ug/l	99
89) n-Butylbenzene	12.90	91	735366	22.917	ug/l	94
90) Hexachloroethane	12.98	117	181588	23.259	ug/l	71
91) 1,2-Dichlorobenzene	12.99	146	311297	21.954	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.68	75	21098	24.465	ug/l	79

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052319\
Data File : VF062722.D
Acq On : 23 May 2019 13:05
Operator : FY/SY
Sample : VF0523SBSD01
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBSD01

Quant Time: May 24 02:13:06 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration

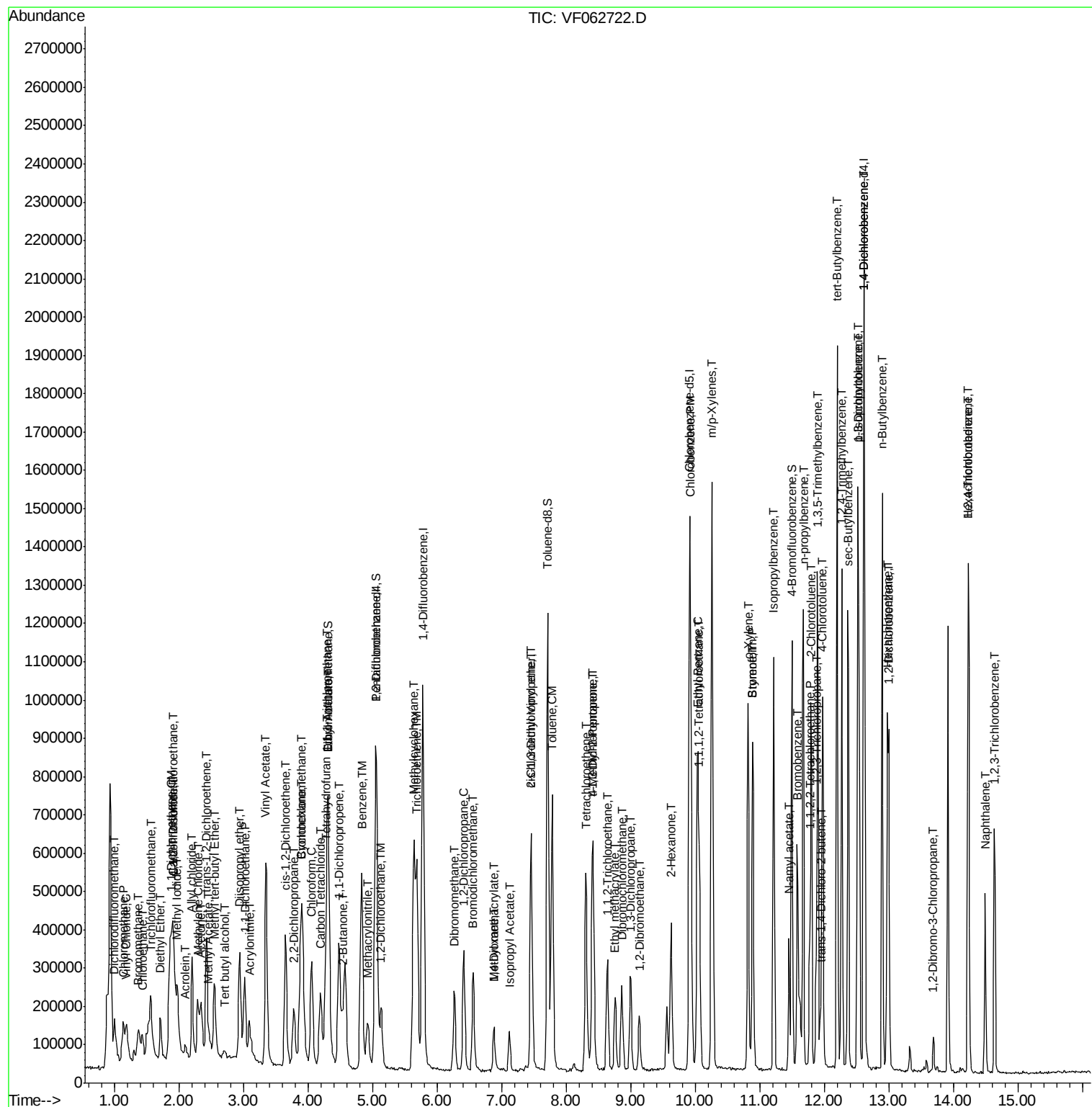
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	206182	20.314	ug/l	98
94) Hexachlorobutadiene	14.23	225	152631	21.548	ug/l	96
95) Naphthalene	14.49	128	338400	18.352	ug/l	98
96) 1,2,3-Trichlorobenzene	14.63	180	193472	20.124	ug/l	99

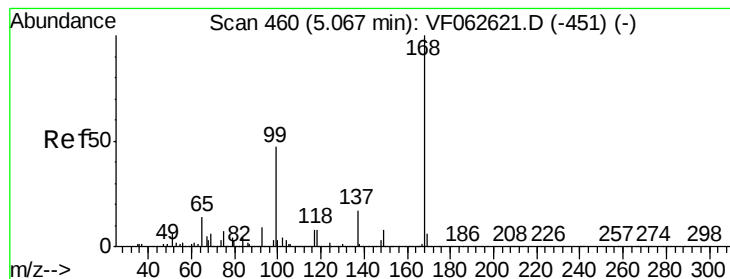
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052319\
 Data File : VF062722.D
 Acq On : 23 May 2019 13:05
 Operator : FY/SY
 Sample : VF0523SBSD01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0523SBSD01

Quant Time: May 24 02:13:06 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: 5.06 min Scan# 459

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

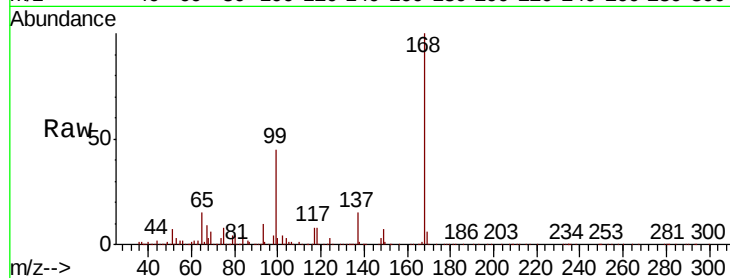
VF0523SBS01

Tot Ion:168 Resp: 776413

Ion Ratio Lower Upper

168 100

99 45.4 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

250000

200000

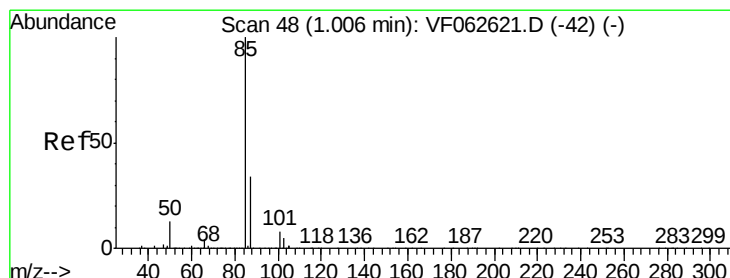
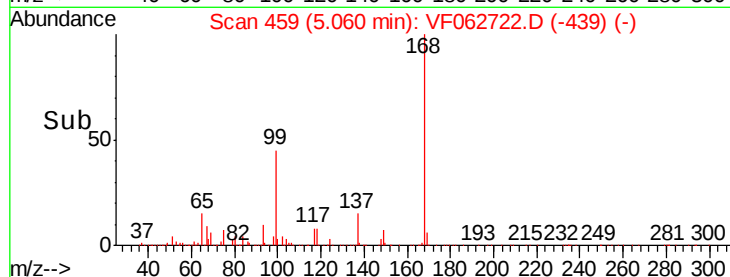
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.301 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062722.D

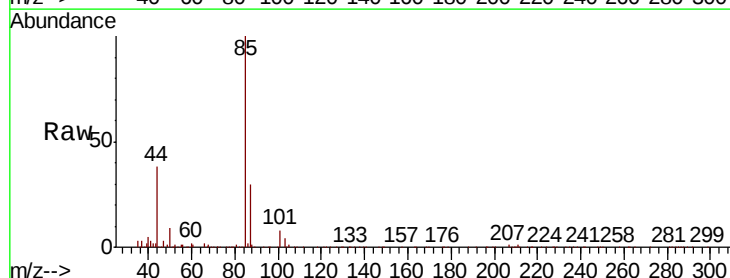
Acq: 23 May 2019 13:05

Tgt Ion: 85 Resp: 203930

Ion Ratio Lower Upper

85 100

87 30.2 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

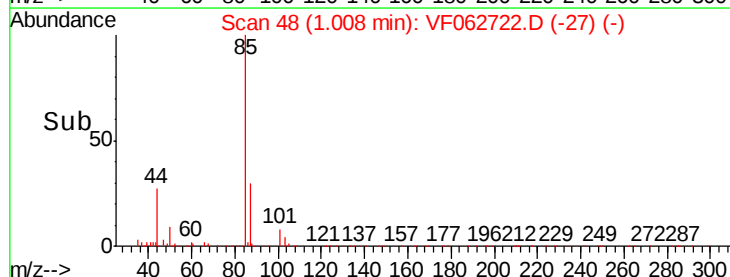
60000

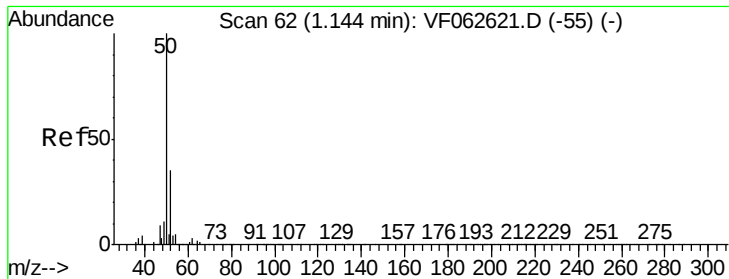
40000

20000

0

Time-->





#3

Chloromethane

Concen: 21.151 ug/l

RT: 1.14 min Scan# 61

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

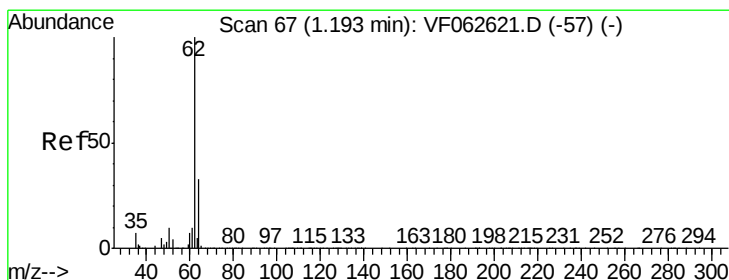
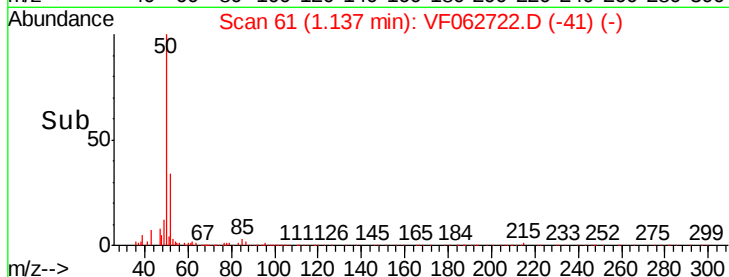
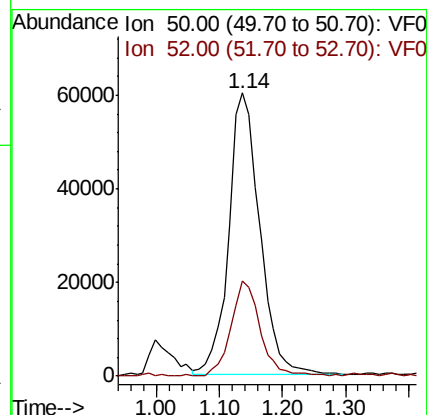
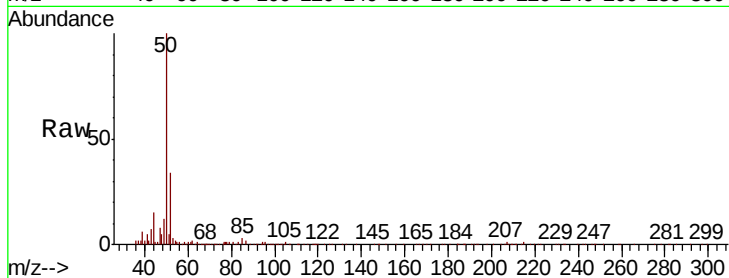
VF0523SBS01

Tot Ion: 50 Resp: 205778

Ion Ratio Lower Upper

50 100

52 33.8 27.5 41.3



#4

Vinyl Chloride

Concen: 19.760 ug/l

RT: 1.19 min Scan# 66

Delta R.T. -0.01 min

Lab File: VF062722.D

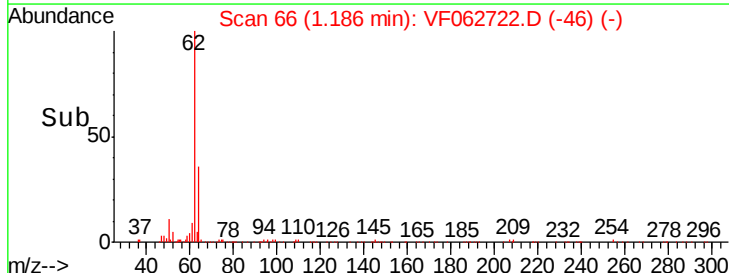
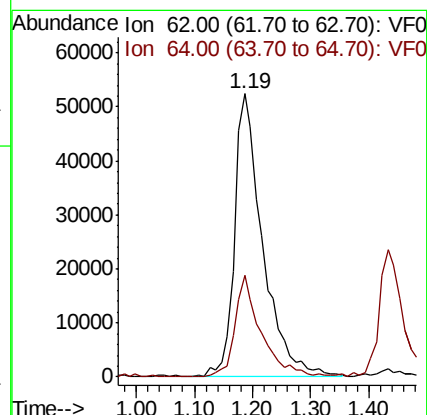
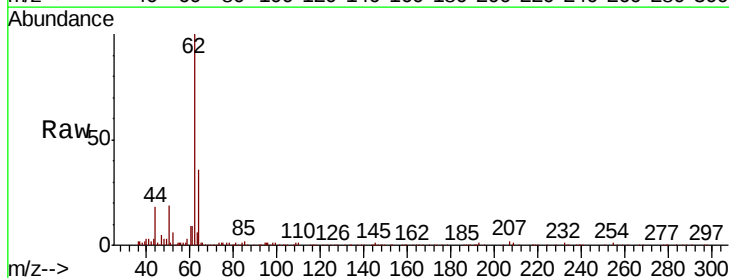
Acq: 23 May 2019 13:05

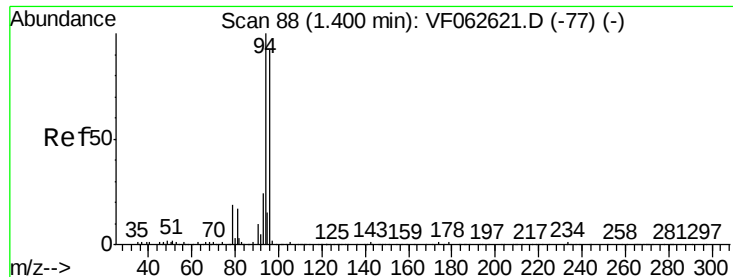
Tgt Ion: 62 Resp: 176956

Ion Ratio Lower Upper

62 100

64 35.7 26.7 40.1





#5

Bromomethane

Concen: 19.515 ug/l

RT: 1.37 min Scan# 85

Delta R.T. -0.03 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

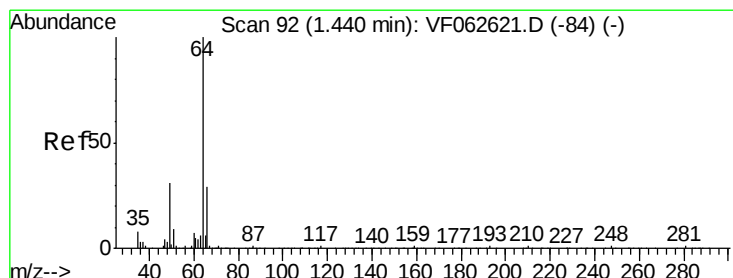
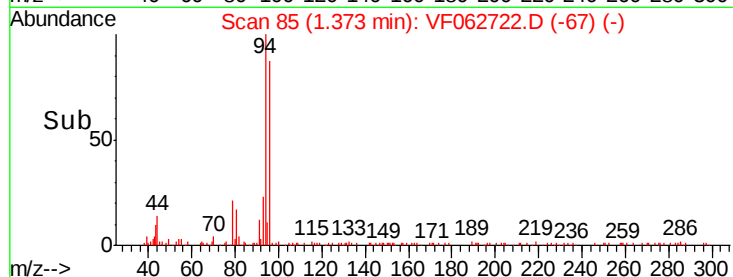
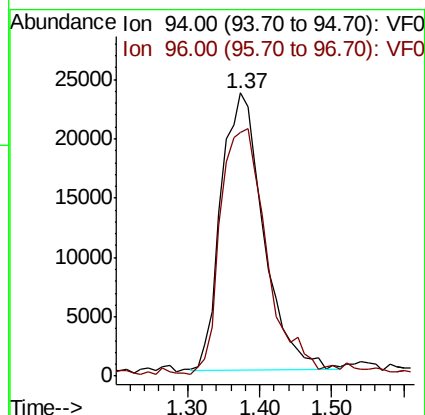
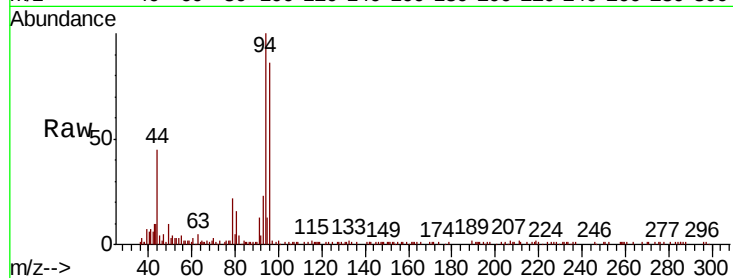
VF0523SBS01

Tot Ion: 94 Resp: 95606

Ion Ratio Lower Upper

94 100

96 86.1 73.2 109.8



#6

Chloroethane

Concen: 19.155 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.01 min

Lab File: VF062722.D

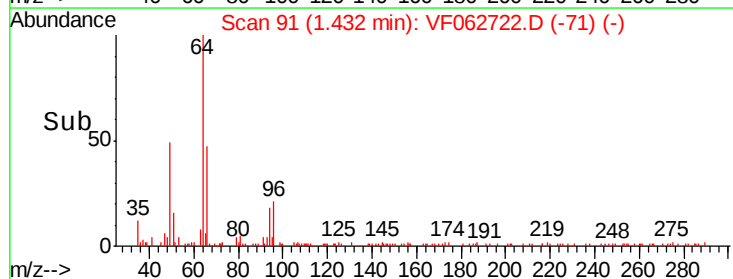
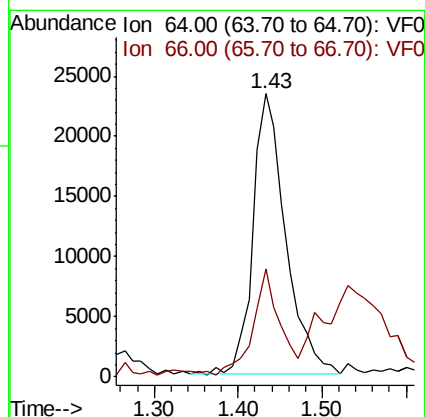
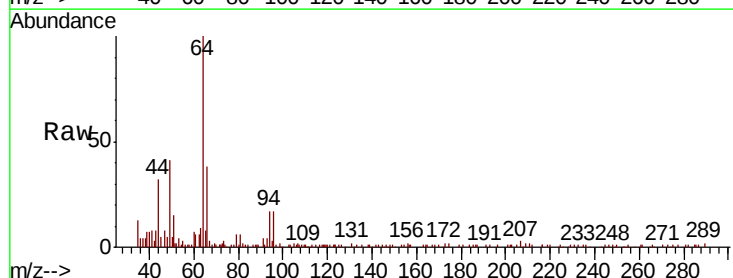
Acq: 23 May 2019 13:05

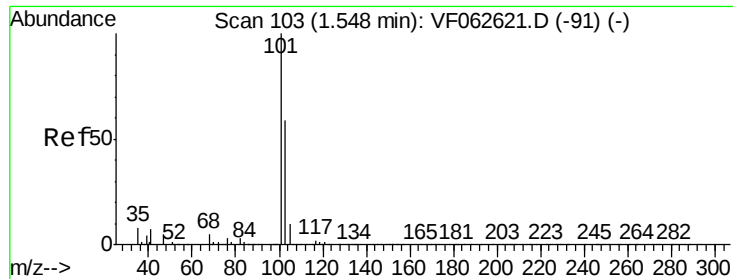
Tgt Ion: 64 Resp: 63001

Ion Ratio Lower Upper

64 100

66 38.2 23.4 35.2#



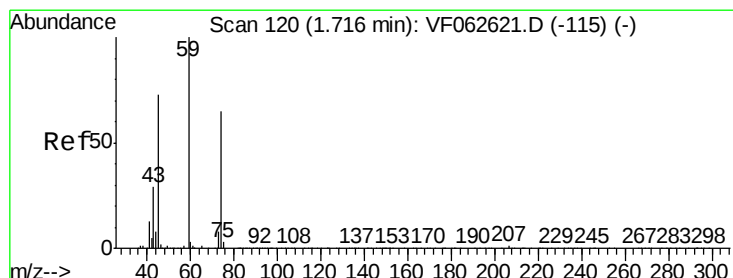
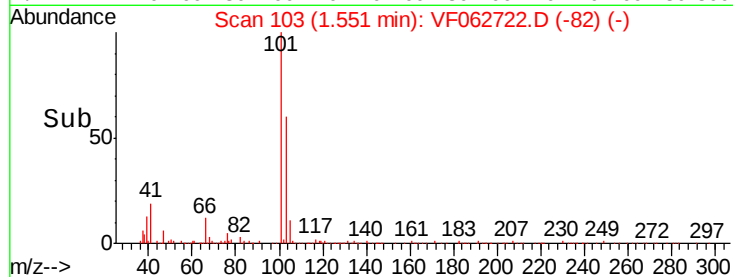
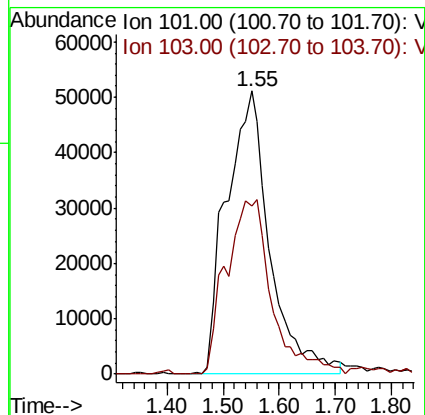
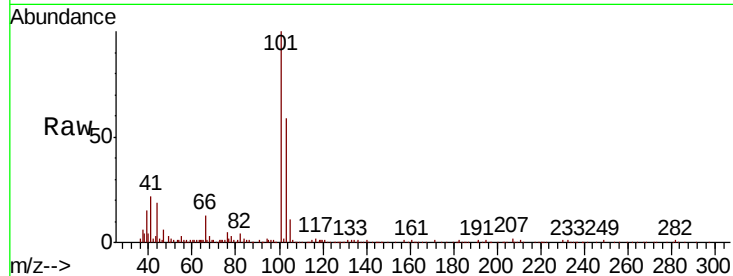


#7

Trichlorofluoromethane
Concen: 22.871 ug/l
RT: 1.55 min Scan# 103
Delta R.T. 0.00 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

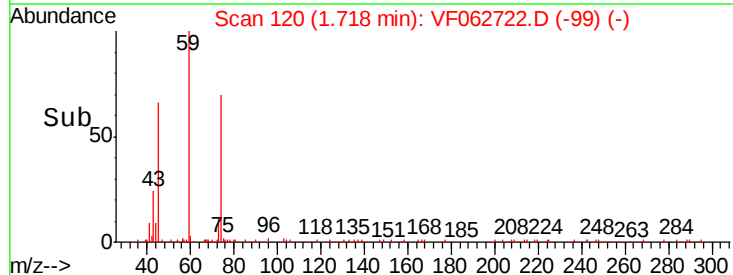
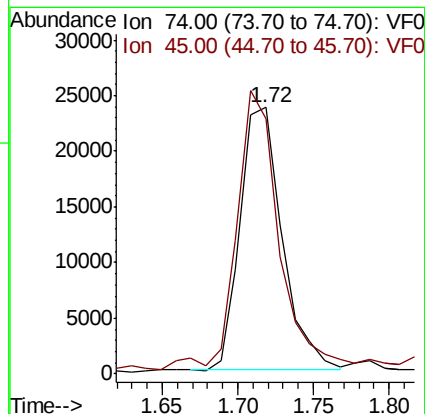
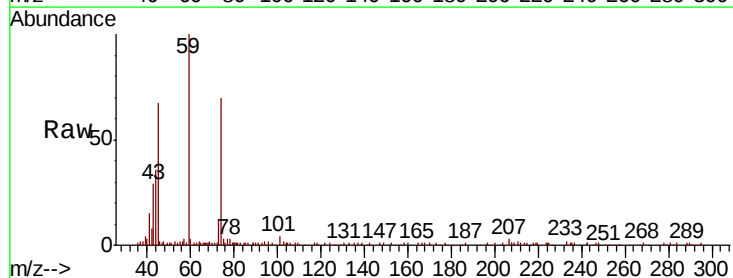
Tot Ion:101 Resp: 275007
Ion Ratio Lower Upper
101 100
103 59.4 47.3 70.9

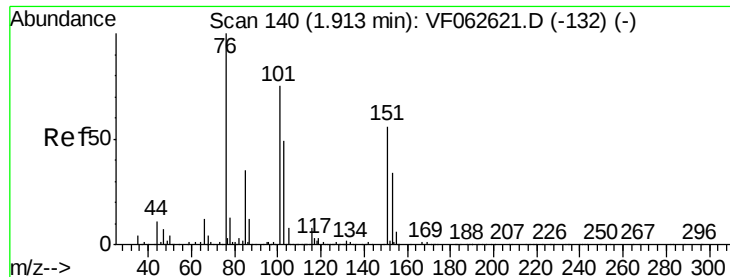


#8

Diethyl Ether
Concen: 19.219 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.00 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Tgt Ion: 74 Resp: 45782
Ion Ratio Lower Upper
74 100
45 95.8 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.913 ug/l

RT: 1.91 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0523SBS01

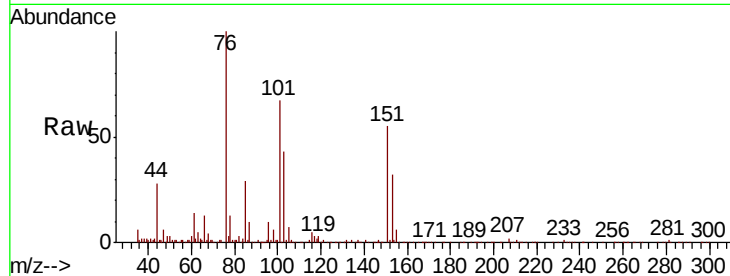
Tot Ion:101 Resp: 167780

Ion Ratio Lower Upper

101 100

85 44.2 37.1 55.7

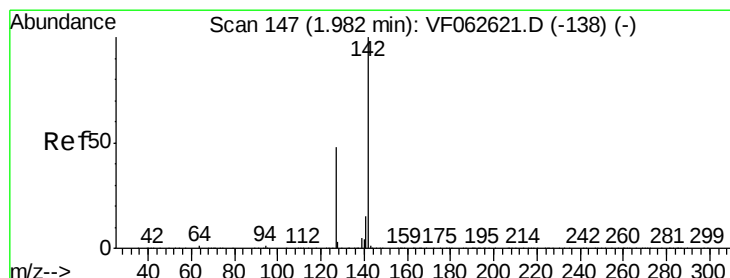
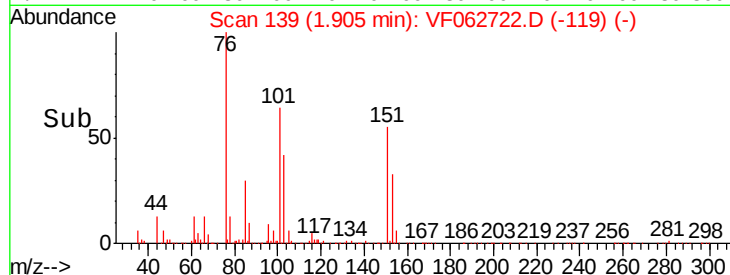
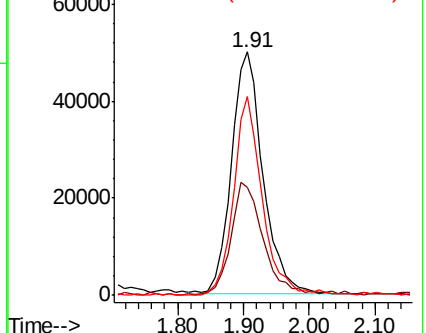
151 81.9 58.8 88.2



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: 23.023 ug/l

RT: 1.97 min Scan# 146

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

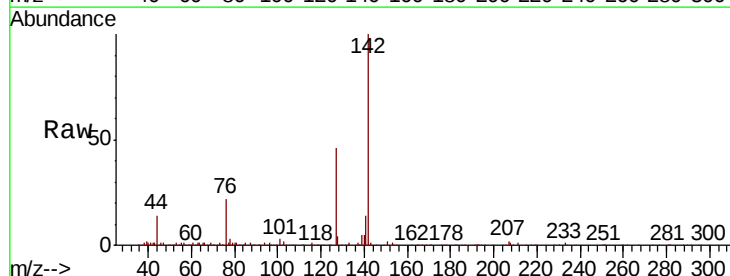
Tgt Ion:142 Resp: 346280

Ion Ratio Lower Upper

142 100

127 46.5 38.1 57.1

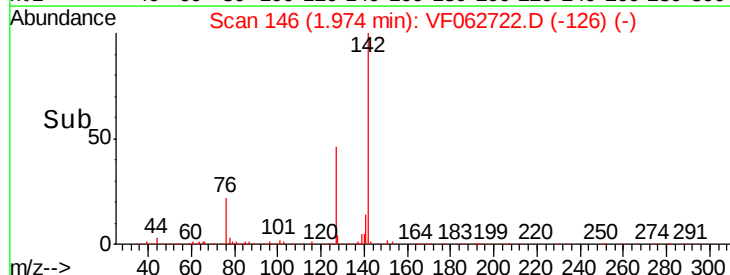
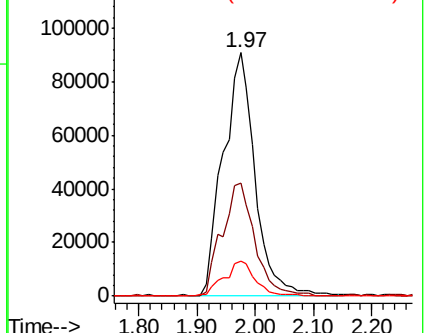
141 14.1 11.7 17.5

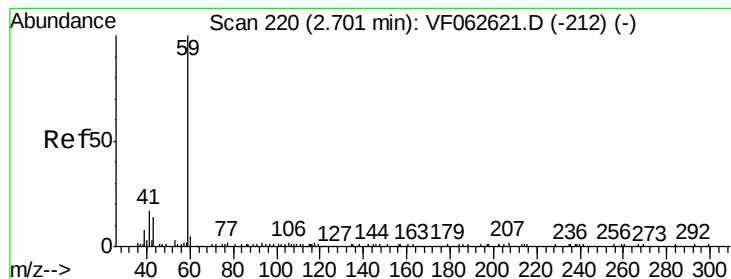


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



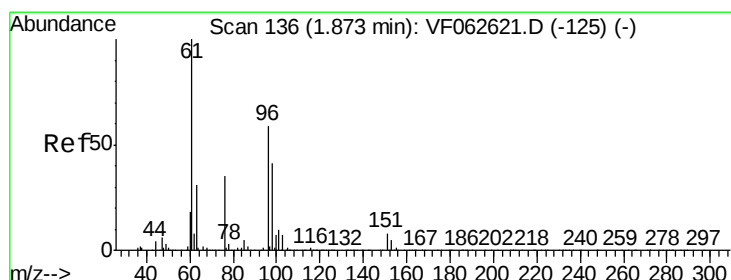
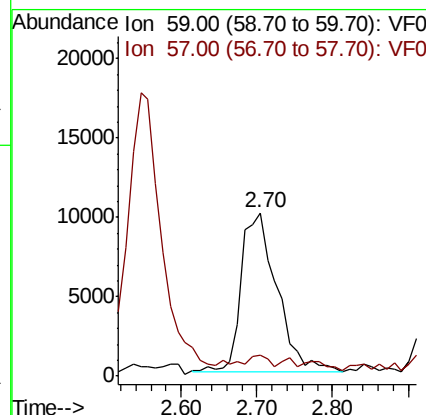
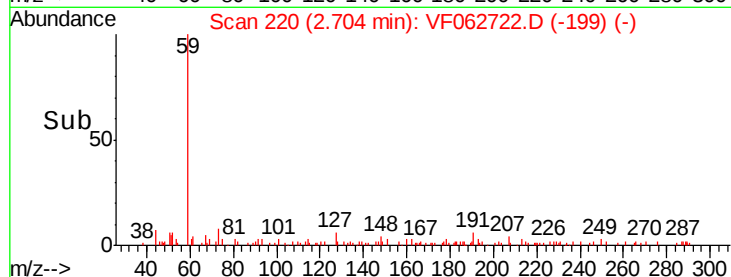
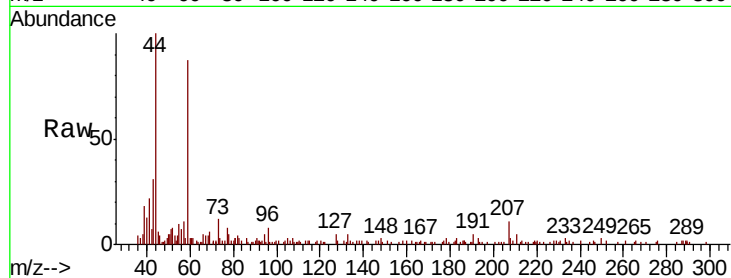


#11

Tert butyl alcohol
 Concen: 90.342 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VF062722.D
 Acq: 23 May 2019 13:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0523SBS01

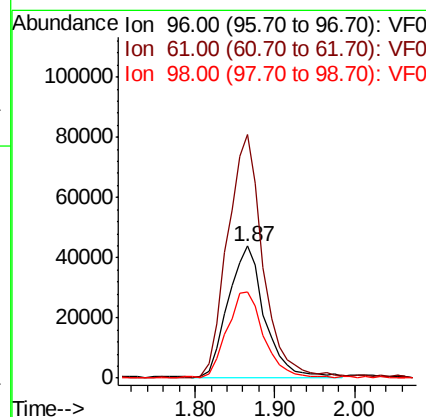
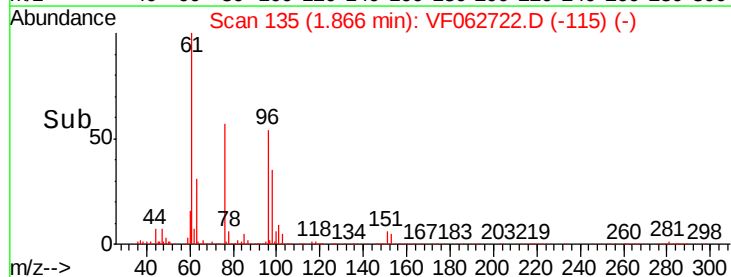
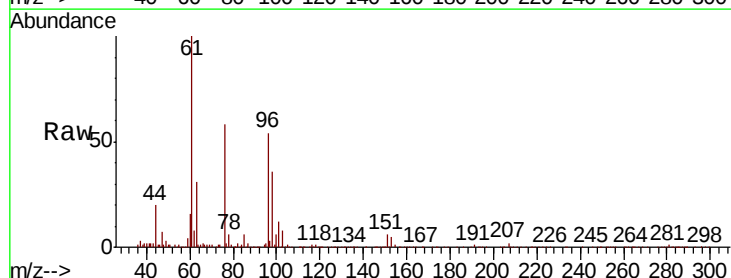
Tot Ion: 59 Resp: 32724
 Ion Ratio Lower Upper
 59 100
 57 12.8 9.3 13.9

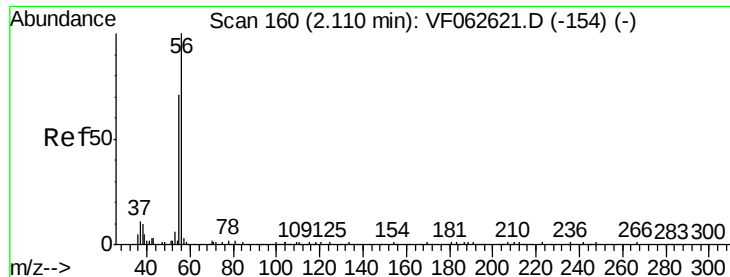


#12

1,1-Dichloroethene
 Concen: 19.797 ug/l
 RT: 1.87 min Scan# 135
 Delta R.T. -0.01 min
 Lab File: VF062722.D
 Acq: 23 May 2019 13:05

Tgt Ion: 96 Resp: 138078
 Ion Ratio Lower Upper
 96 100
 61 184.7 134.3 201.5
 98 65.7 55.0 82.6

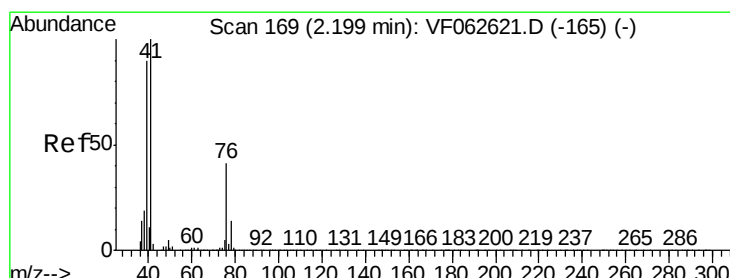
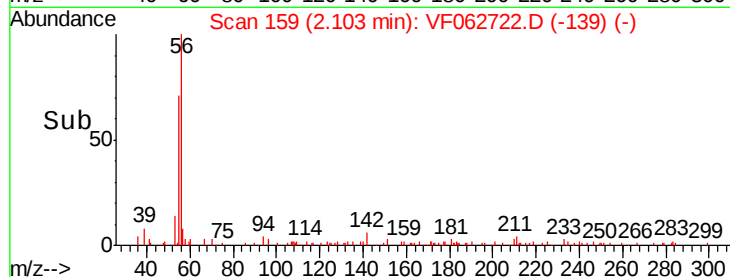
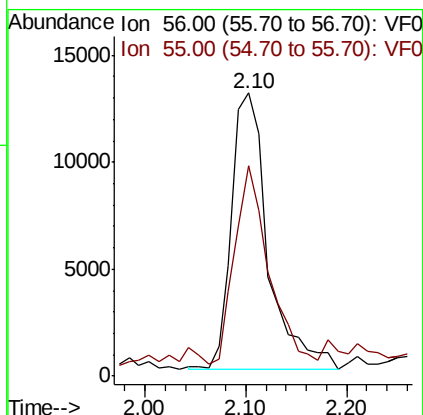
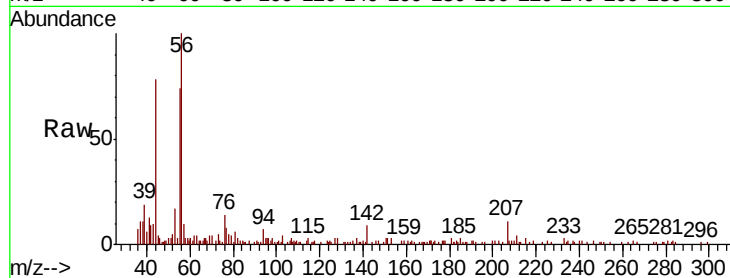




#13
Acrolein
Concen: 86.123 ug/l
RT: 2.10 min Scan# 159
Delta R.T. -0.01 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

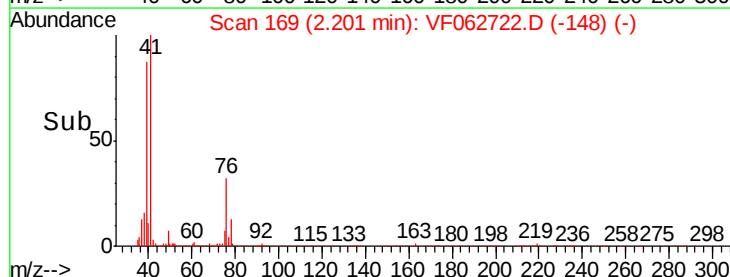
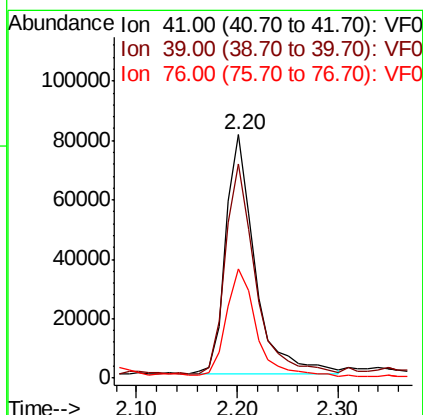
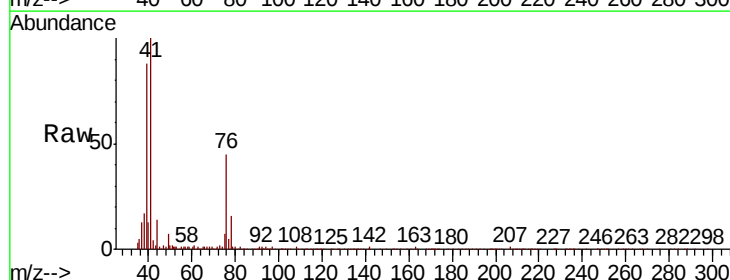
Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

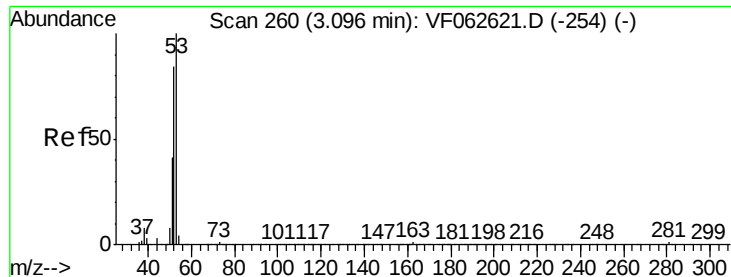
Tot Ion: 56 Resp: 32564
Ion Ratio Lower Upper
56 100
55 74.5 59.4 89.0



#14
Allyl chloride
Concen: 26.072 ug/l
RT: 2.20 min Scan# 169
Delta R.T. 0.00 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Tgt Ion: 41 Resp: 164577
Ion Ratio Lower Upper
41 100
39 88.0 72.0 108.0
76 45.1 34.8 52.2





#15

Acrylonitrile

Concen: 107.376 ug/l

RT: 3.09 min Scan# 259

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0523SBS01

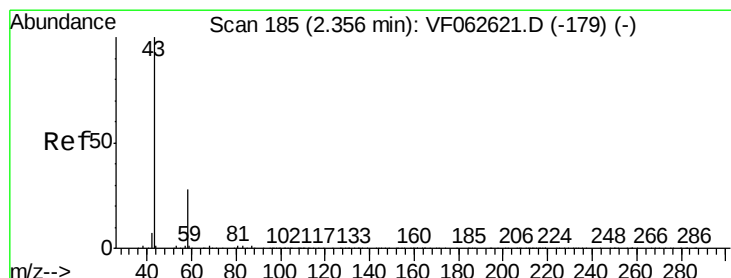
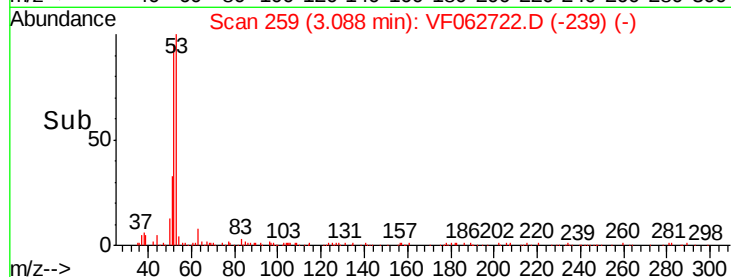
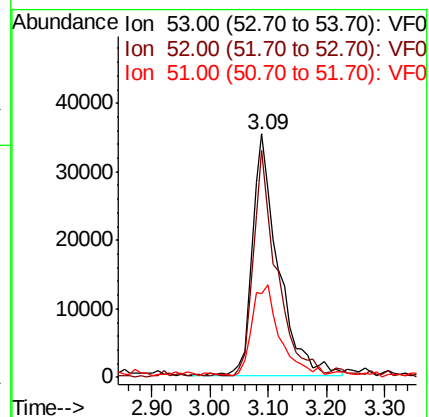
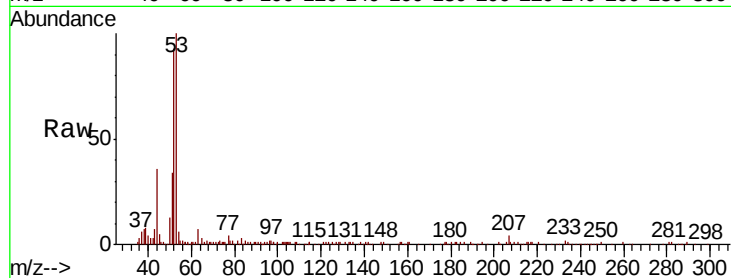
Tot Ion: 53 Resp: 109714

Ion Ratio Lower Upper

53 100

52 93.5 67.3 100.9

51 34.4 33.0 49.6



#16

Acetone

Concen: 88.488 ug/l

RT: 2.35 min Scan# 184

Delta R.T. -0.01 min

Lab File: VF062722.D

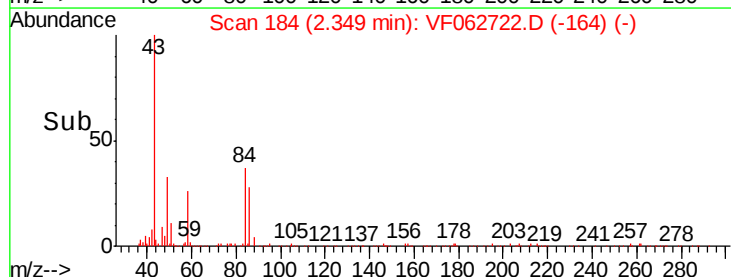
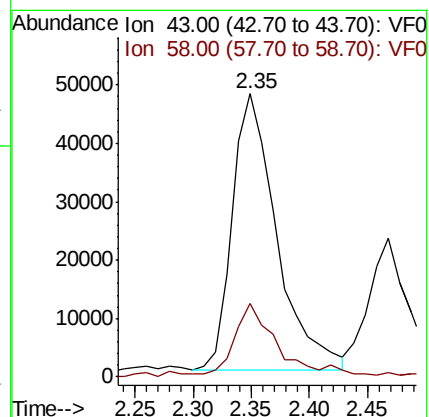
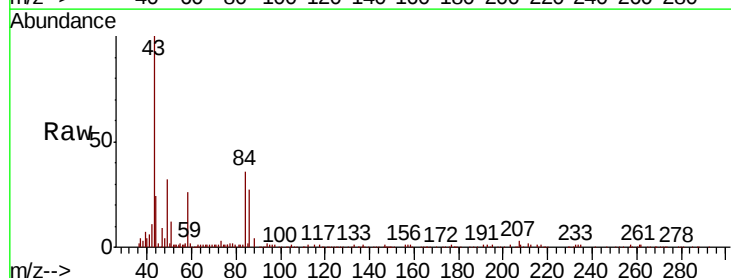
Acq: 23 May 2019 13:05

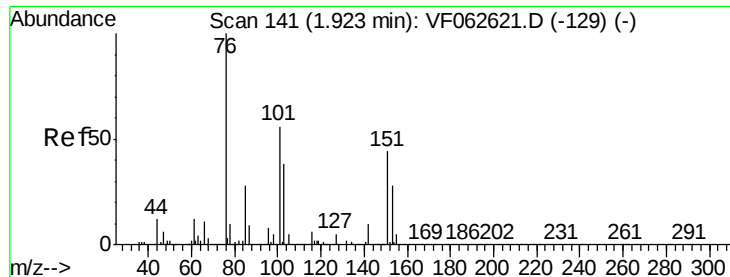
Tgt Ion: 43 Resp: 125952

Ion Ratio Lower Upper

43 100

58 25.9 22.6 33.8





#17

Carbon Disulfide

Concen: 21.515 ug/l

RT: 1.91 min Scan# 139

Delta R.T. -0.02 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

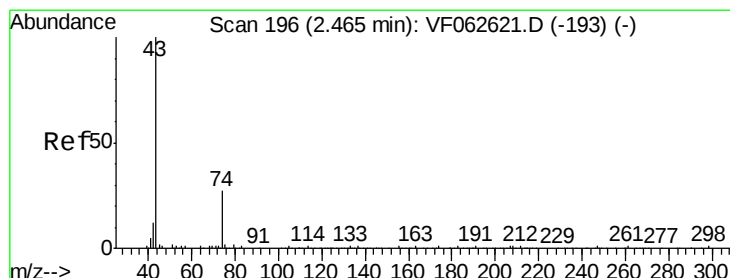
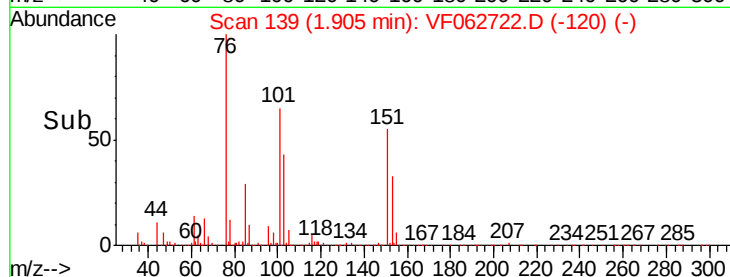
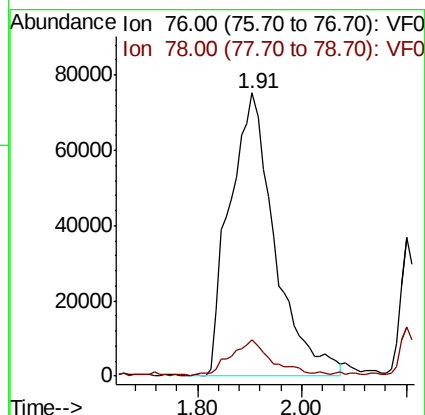
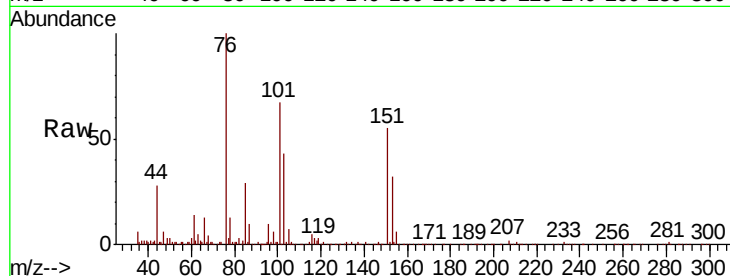
VF0523SBS01

Tot Ion: 76 Resp: 444777

Ion Ratio Lower Upper

76 100

78 13.0 8.4 12.6#



#18

Methyl Acetate

Concen: 23.950 ug/l

RT: 2.47 min Scan# 196

Delta R.T. 0.00 min

Lab File: VF062722.D

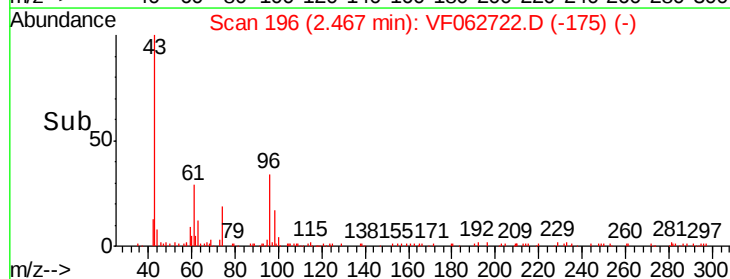
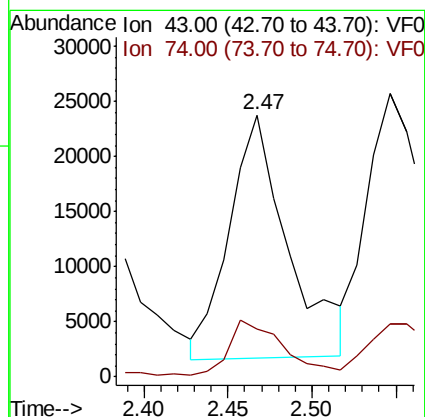
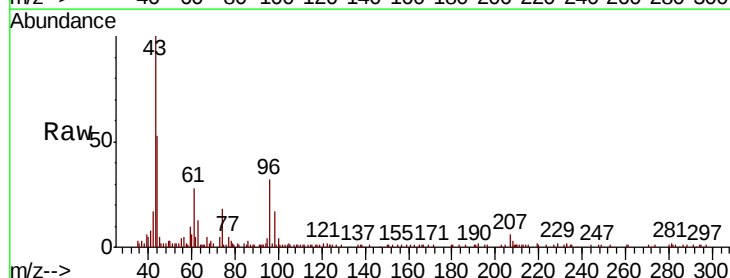
Acq: 23 May 2019 13:05

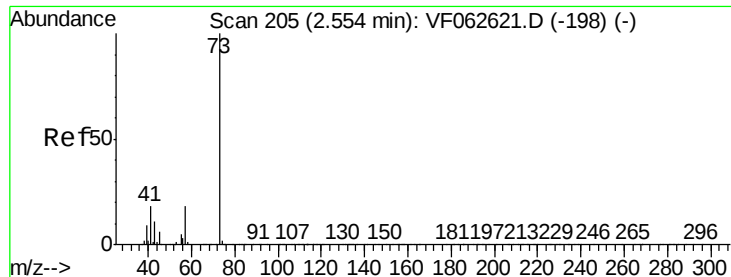
Tgt Ion: 43 Resp: 53569

Ion Ratio Lower Upper

43 100

74 18.4 18.9 28.3#



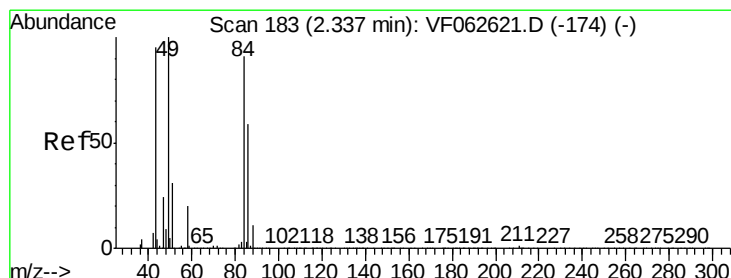
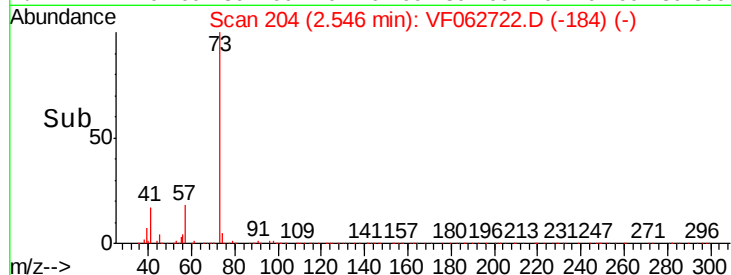
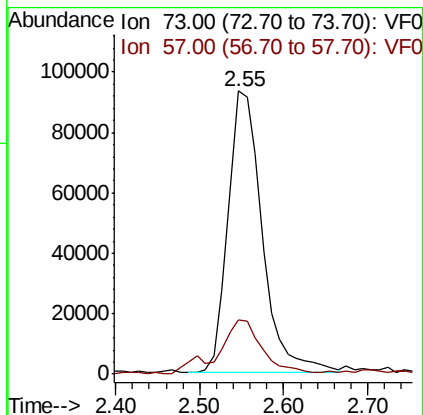
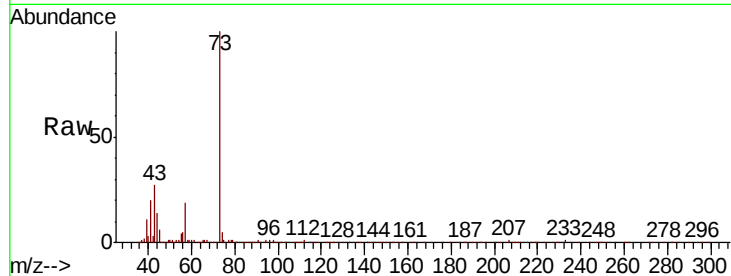


#19

Methyl tert-butyl Ether
 Concen: 21.109 ug/l
 RT: 2.55 min Scan# 204
 Delta R.T. -0.01 min
 Lab File: VF062722.D
 Acq: 23 May 2019 13:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0523SBS01

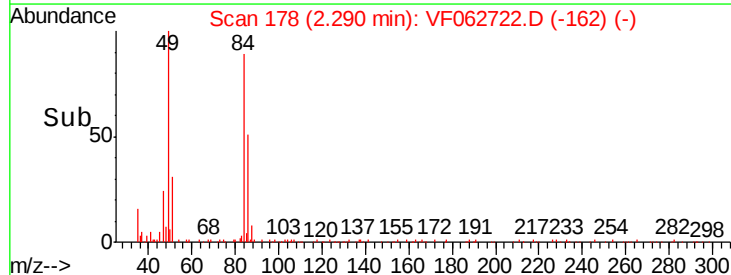
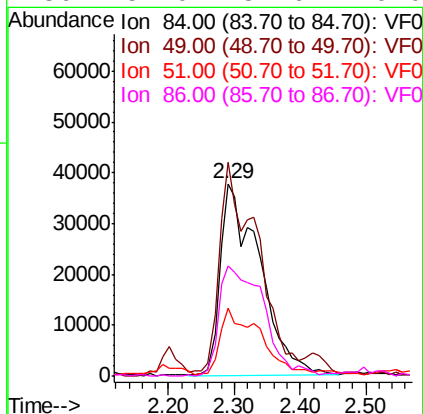
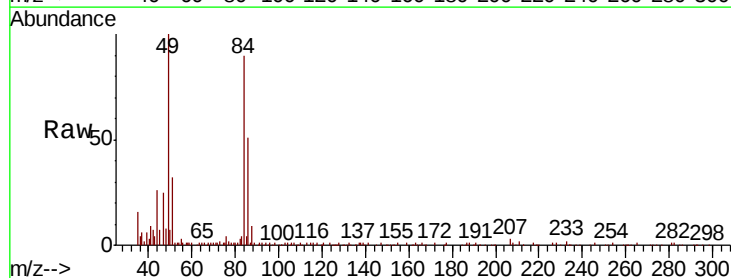
Tot Ion: 73 Resp: 263198
 Ion Ratio Lower Upper
 73 100
 57 19.0 14.2 21.4

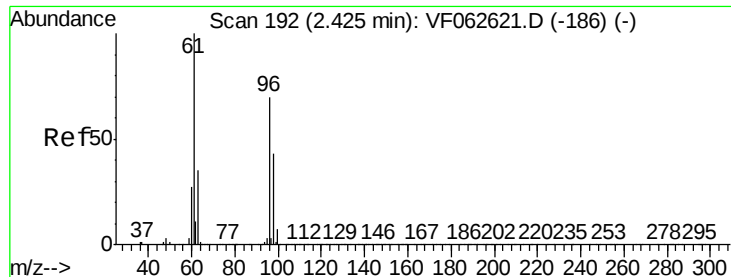


#20

Methylene Chloride
 Concen: 22.035 ug/l
 RT: 2.29 min Scan# 178
 Delta R.T. -0.05 min
 Lab File: VF062722.D
 Acq: 23 May 2019 13:05

Tgt Ion: 84 Resp: 157208
 Ion Ratio Lower Upper
 84 100
 49 110.9 89.8 134.8
 51 35.5 28.4 42.6
 86 57.0 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 21.863 ug/l

RT: 2.43 min Scan# 192

Delta R.T. 0.00 min

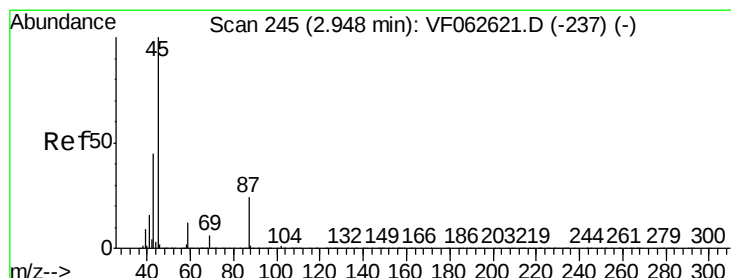
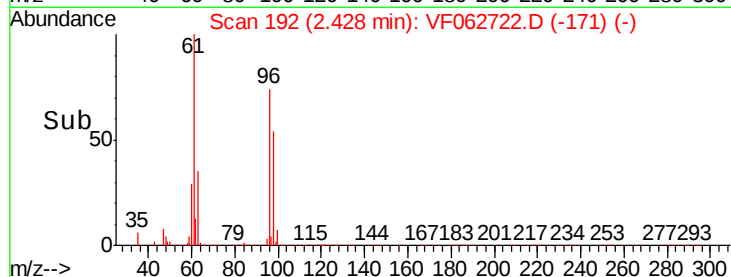
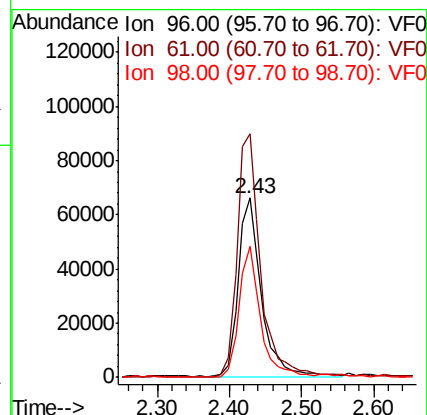
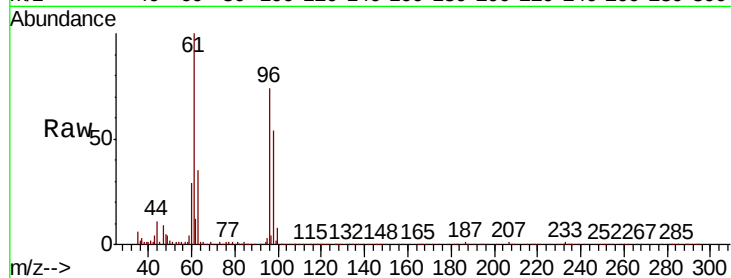
Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

Tot Ion: 96 Resp: 149045

Ion	Ratio	Lower	Upper
96	100		
61	135.7	114.6	171.8
98	73.3	49.5	74.3



#22

Diisopropyl ether

Concen: 21.940 ug/l

RT: 2.94 min Scan# 244

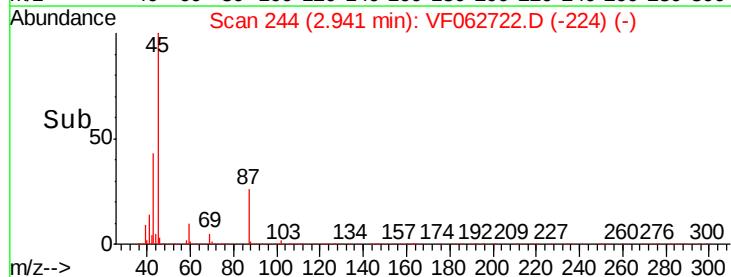
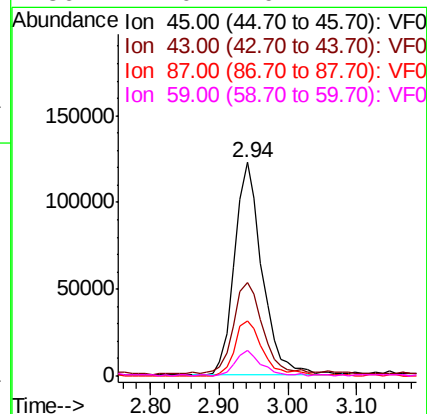
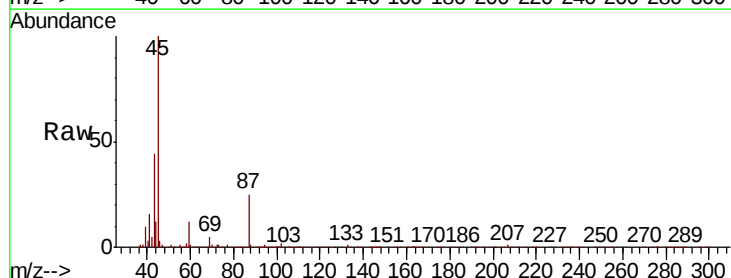
Delta R.T. -0.01 min

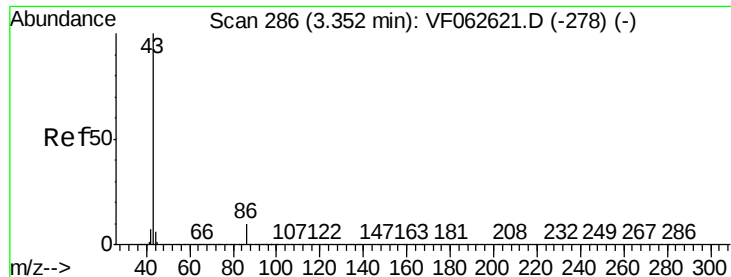
Lab File: VF062722.D

Acq: 23 May 2019 13:05

Tgt Ion: 45 Resp: 341584

Ion	Ratio	Lower	Upper
45	100		
43	43.8	36.4	54.6
87	25.5	19.3	28.9
59	12.0	9.4	14.2





#23

Vinyl Acetate

Concen: 104.905 ug/l

RT: 3.34 min Scan# 285

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

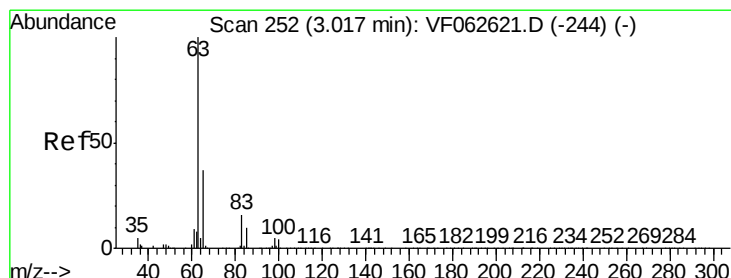
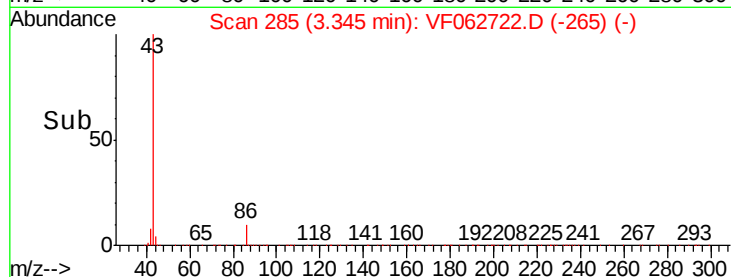
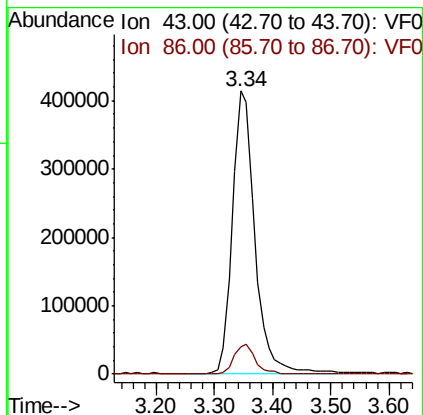
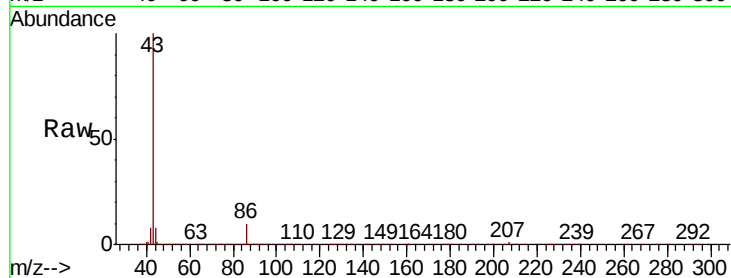
VF0523SBS01

Tot Ion: 43 Resp: 1101767

Ion Ratio Lower Upper

43 100

86 9.6 8.2 12.2



#24

1,1-Dichloroethane

Concen: 22.932 ug/l

RT: 3.02 min Scan# 252

Delta R.T. 0.00 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

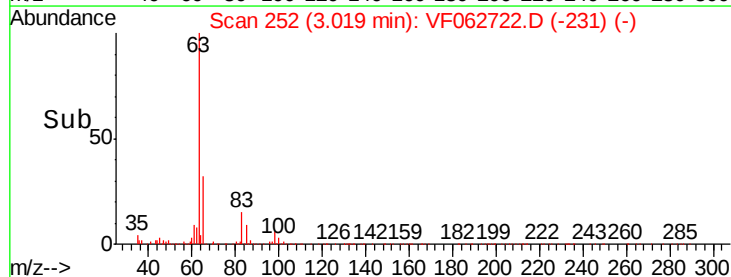
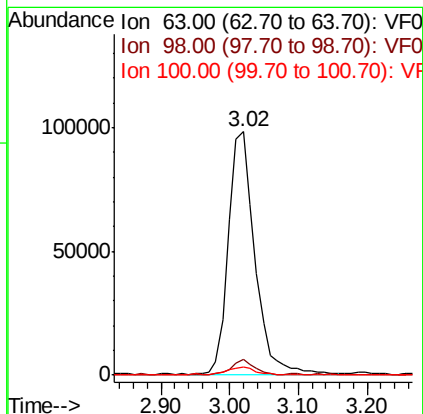
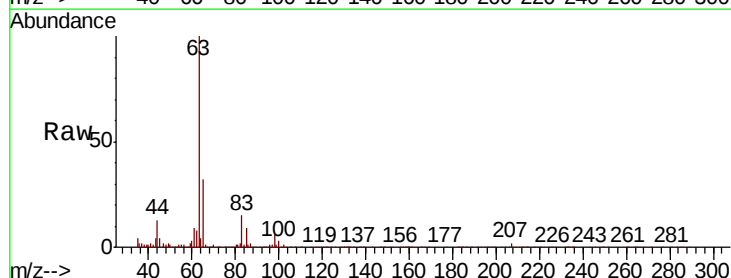
Tgt Ion: 63 Resp: 261920

Ion Ratio Lower Upper

63 100

98 6.4 2.8 8.3

100 3.3 1.9 5.7

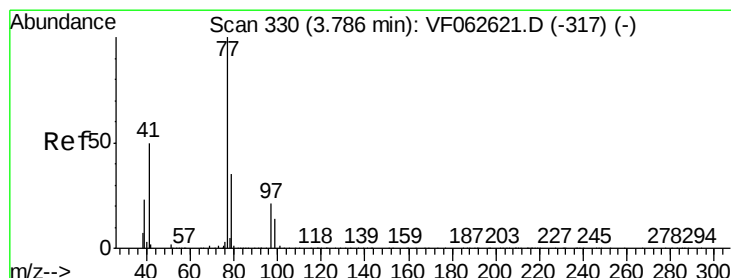
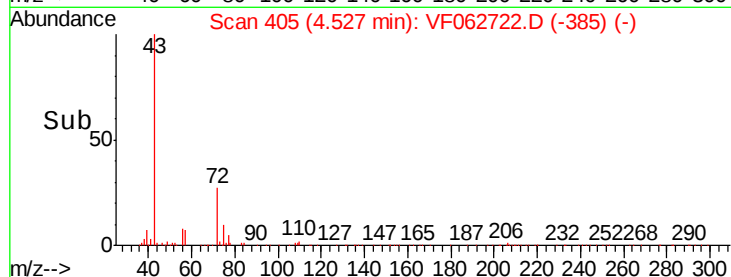
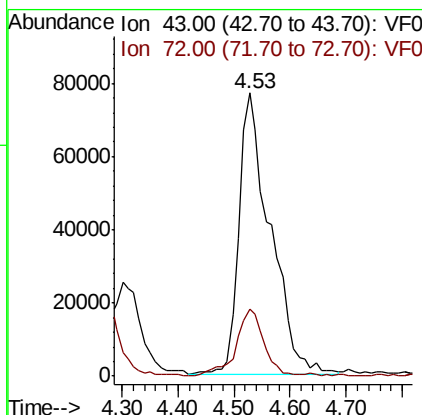
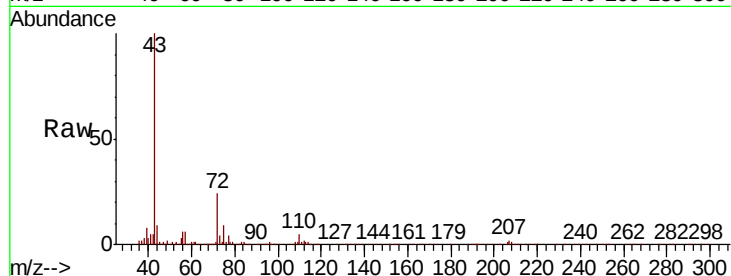




#25
2-Butanone
Concen: 96.822 ug/l
RT: 4.53 min Scan# 405
Delta R.T. -0.01 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

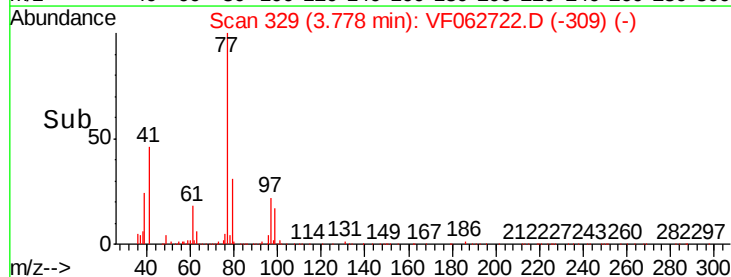
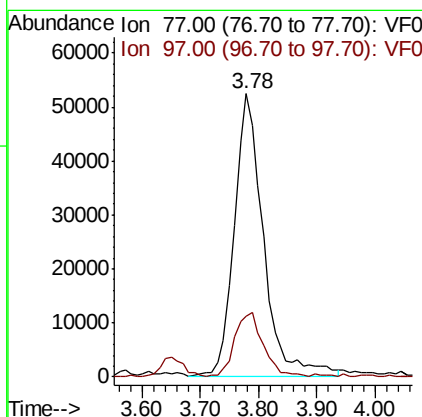
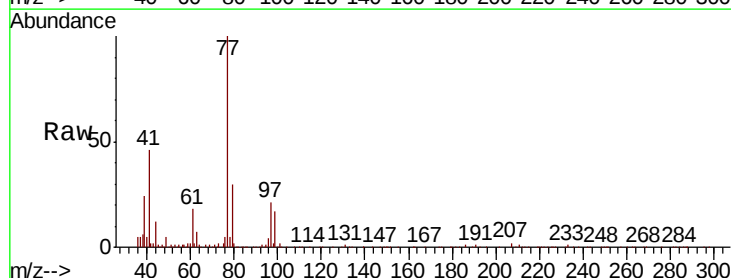
Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

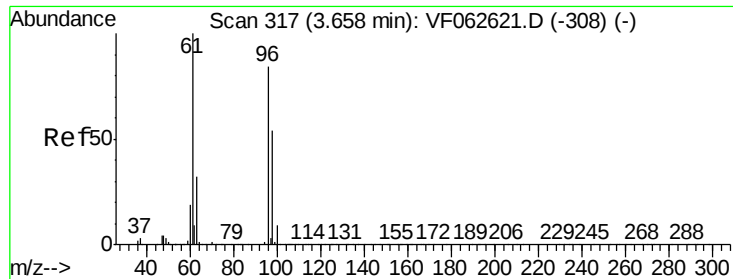
Tot Ion: 43 Resp: 294439
Ion Ratio Lower Upper
43 100
72 23.6 20.1 30.1



#26
2,2-Dichloropropane
Concen: 27.651 ug/l
RT: 3.78 min Scan# 329
Delta R.T. -0.01 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Tgt Ion: 77 Resp: 180696
Ion Ratio Lower Upper
77 100
97 21.3 14.1 42.4



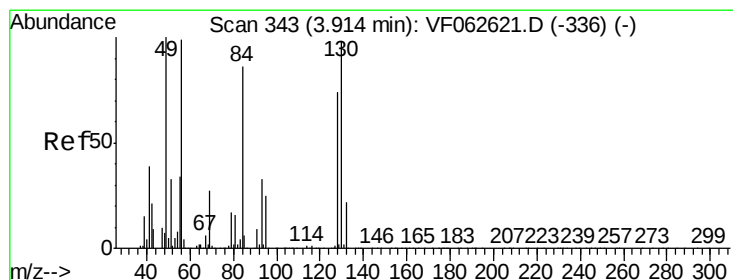
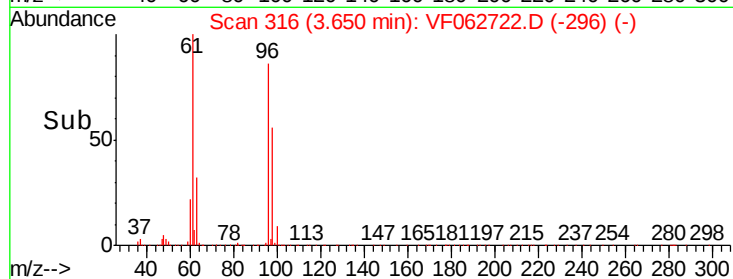
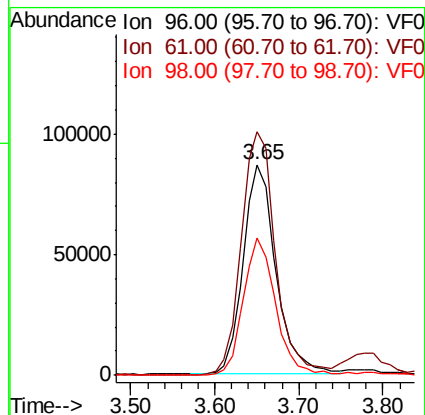
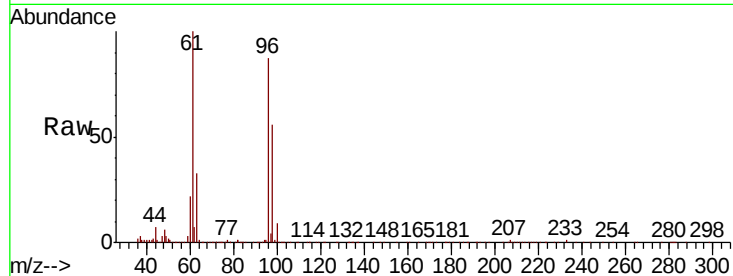


#27

cis-1,2-Dichloroethene
 Concen: 21.213 ug/l
 RT: 3.65 min Scan# 316
 Delta R.T. -0.01 min
 Lab File: VF062722.D
 Acq: 23 May 2019 13:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0523SBS01

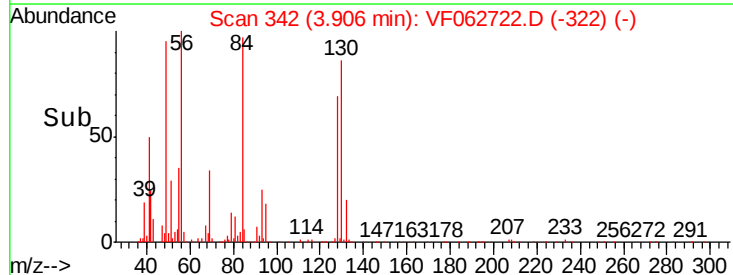
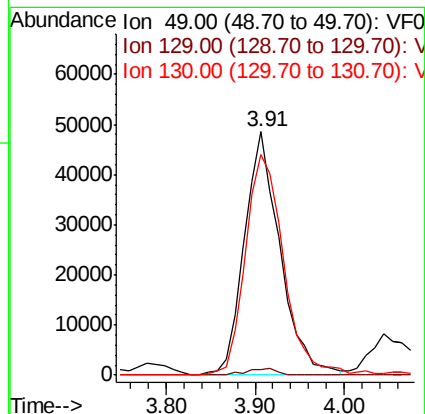
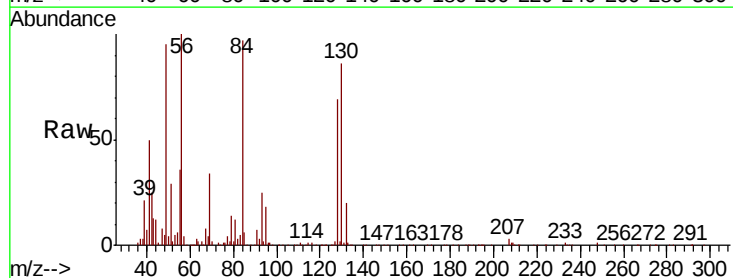
Tot Ion	Ratio	Lower	Upper
96	100		
61	115.5	0.0	237.4
98	65.1	0.0	129.0

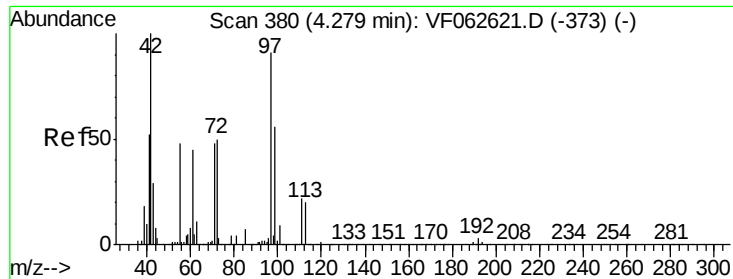


#28

Bromochloromethane
 Concen: 20.852 ug/l
 RT: 3.91 min Scan# 342
 Delta R.T. -0.01 min
 Lab File: VF062722.D
 Acq: 23 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.0
130	90.5	77.8	116.8





#29

Tetrahydrofuran

Concen: 100.231 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0523SBS01

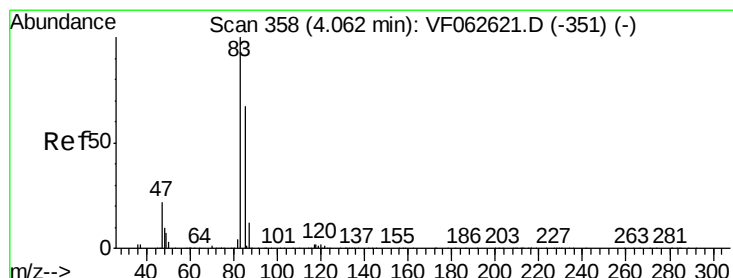
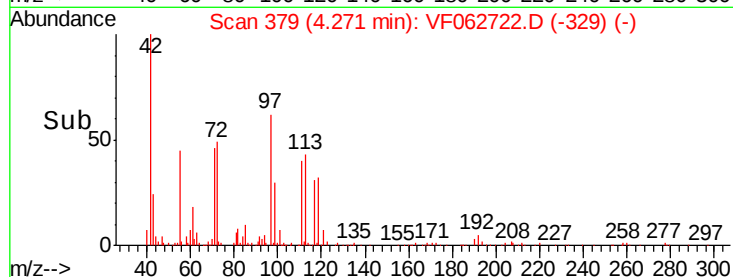
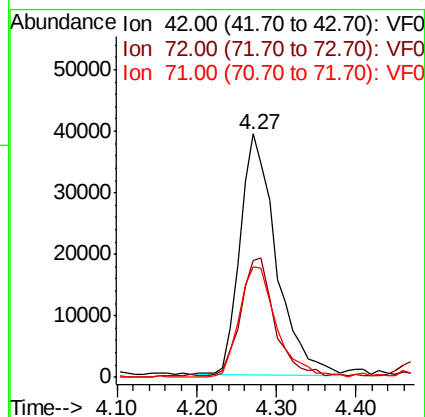
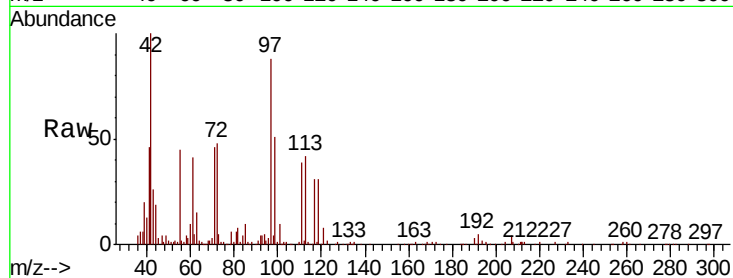
Tot Ion: 42 Resp: 123345

Ion Ratio Lower Upper

42 100

72 45.1 38.2 57.2

71 47.6 35.8 53.6



#30

Chloroform

Concen: 22.610 ug/l

RT: 4.05 min Scan# 357

Delta R.T. -0.01 min

Lab File: VF062722.D

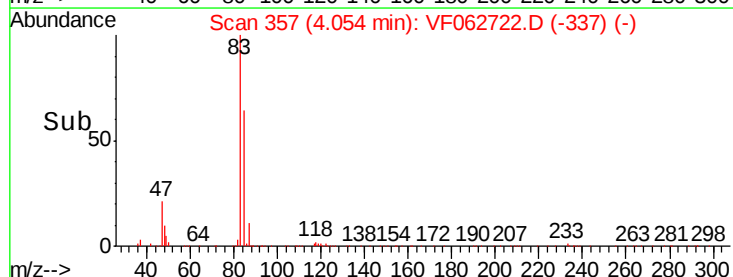
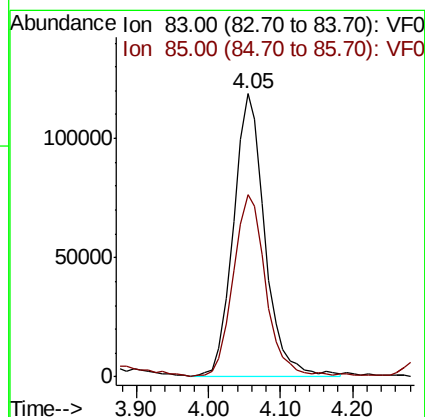
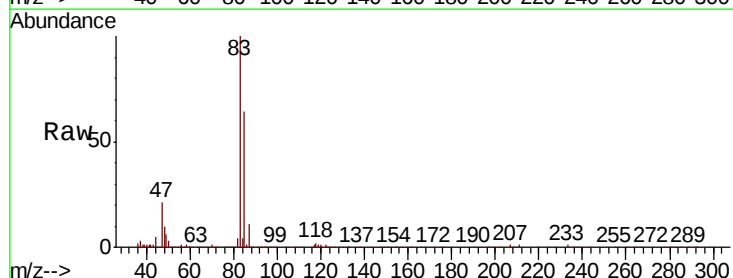
Acq: 23 May 2019 13:05

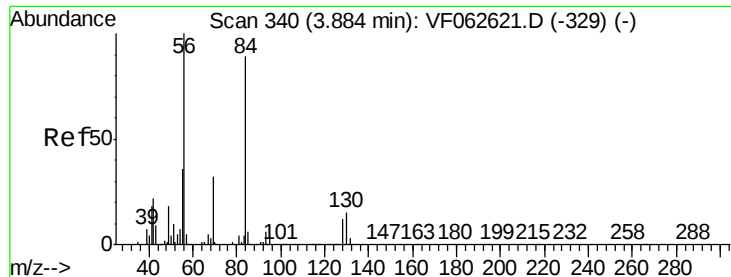
Tgt Ion: 83 Resp: 358548

Ion Ratio Lower Upper

83 100

85 64.2 53.6 80.4





#31

Cyclohexane

Concen: 21.676 ug/l

RT: 3.89 min Scan# 340

Delta R.T. 0.00 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0523SBS01

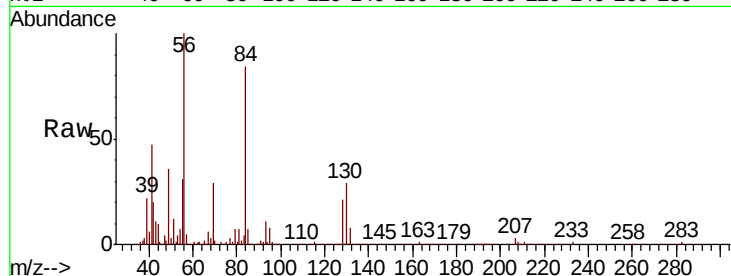
Tot Ion: 56 Resp: 332413

Ion Ratio Lower Upper

56 100

69 28.9 25.3 37.9

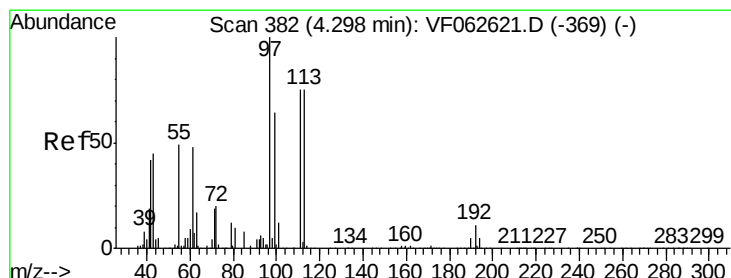
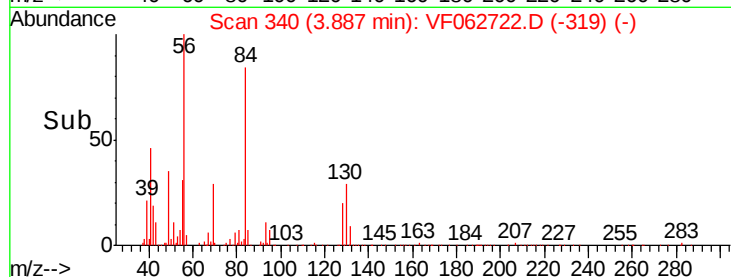
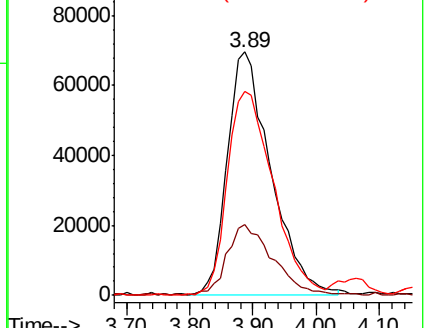
84 83.8 71.0 106.4



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 23.713 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

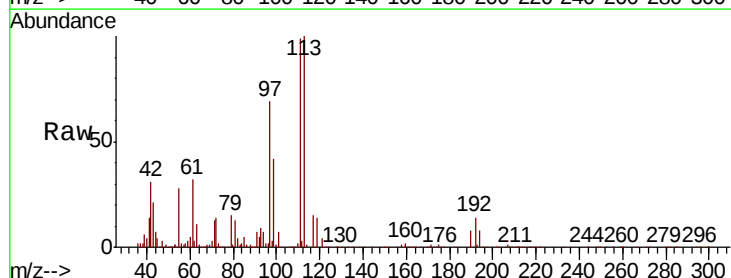
Tgt Ion: 97 Resp: 249727

Ion Ratio Lower Upper

97 100

99 60.5 51.3 76.9

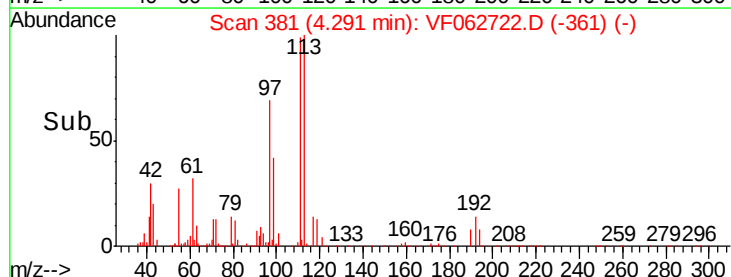
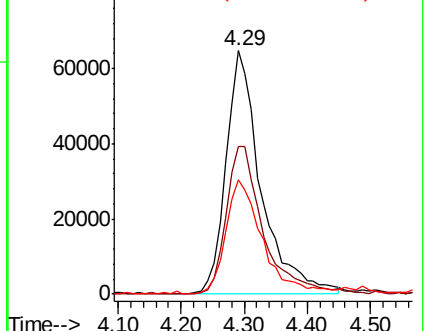
61 47.0 38.2 57.2

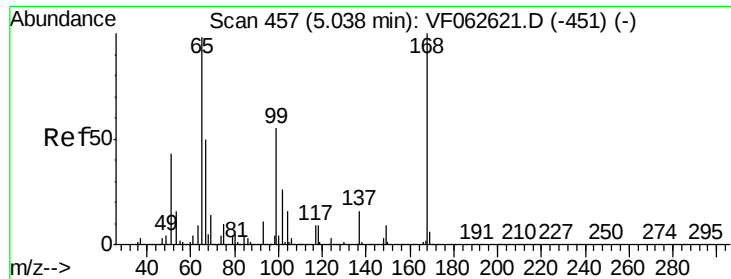


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

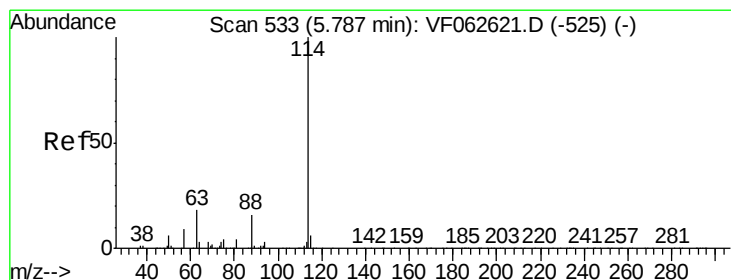
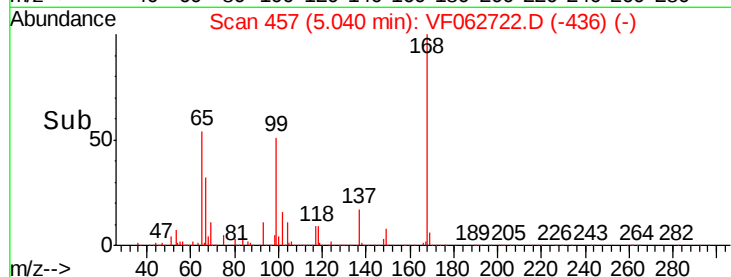
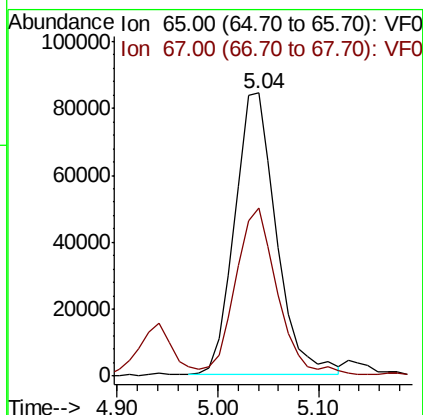
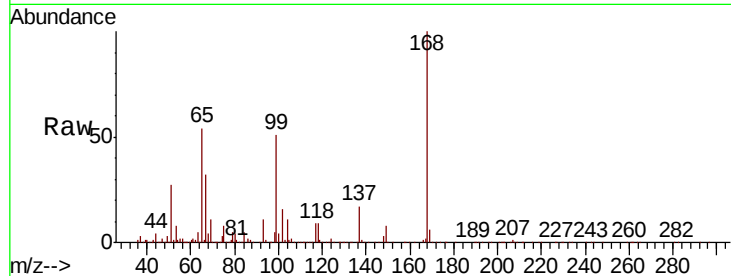




#33
 1,2-Dichloroethane-d4
 Concen: 44.288 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: VF062722.D
 Acq: 23 May 2019 13:05

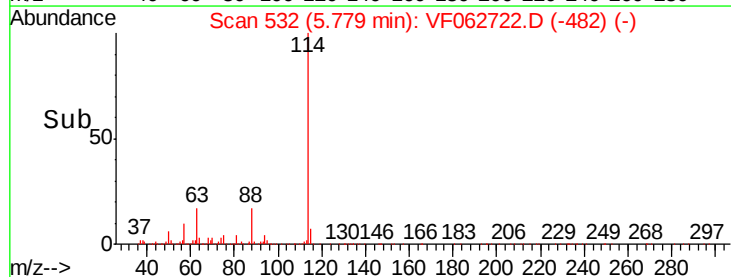
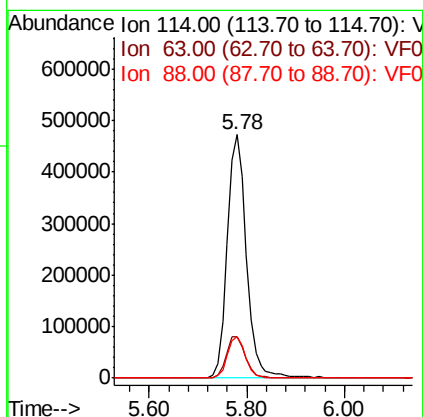
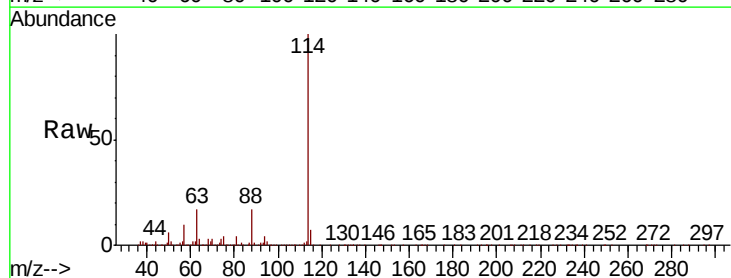
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0523SBS01

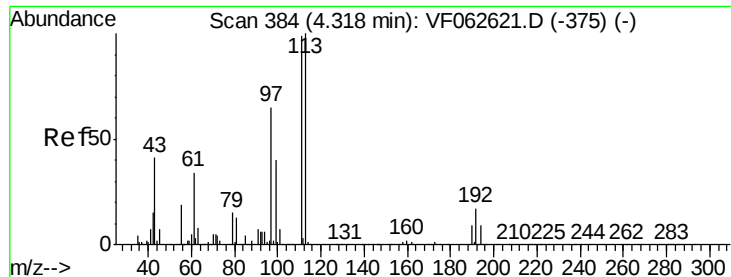
Tot Ion: 65 Resp: 242988
 Ion Ratio Lower Upper
 65 100
 67 59.5 0.0 117.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VF062722.D
 Acq: 23 May 2019 13:05

Tgt Ion:114 Resp: 1287892
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 35.4
 88 17.0 0.0 32.4





#35

Dibromofluoromethane

Concen: 48.632 ug/l

RT: 4.31 min Scan# 383

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0523SBS01

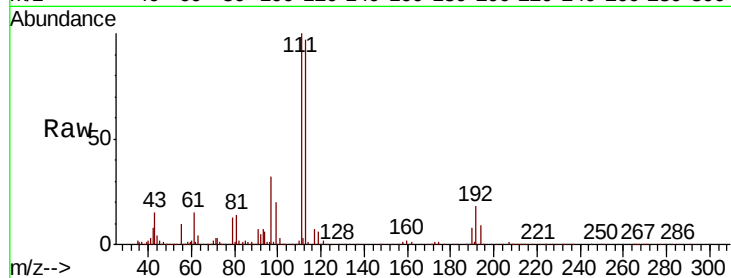
Tot Ion:113 Resp: 479270

Ion Ratio Lower Upper

113 100

111 103.4 79.4 119.2

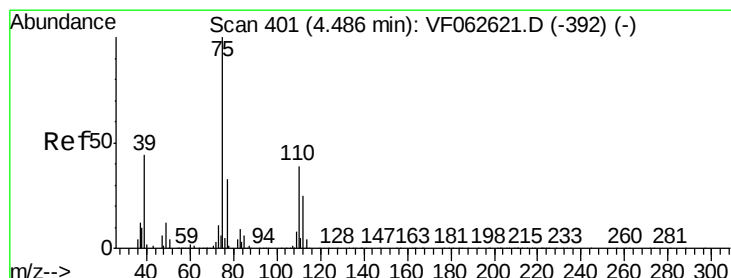
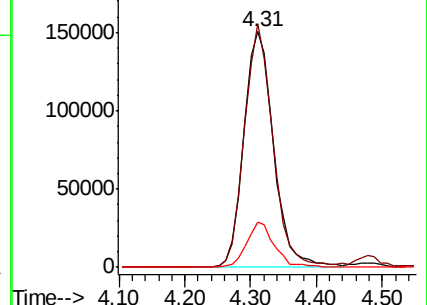
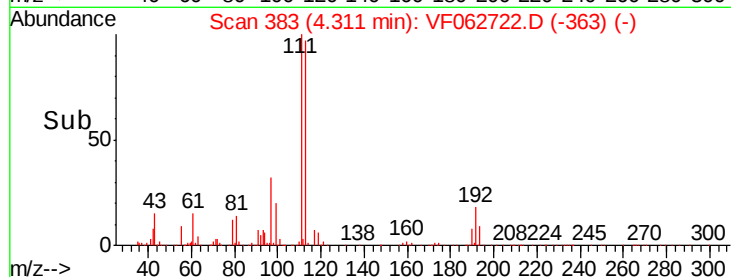
192 19.1 13.4 20.2



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: 20.675 ug/l

RT: 4.48 min Scan# 400

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

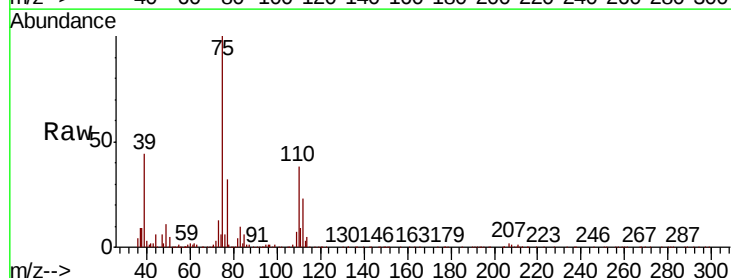
Tgt Ion: 75 Resp: 272844

Ion Ratio Lower Upper

75 100

110 37.8 19.7 59.1

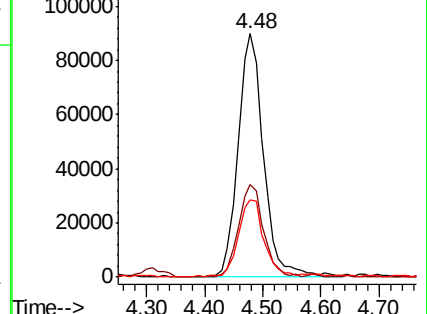
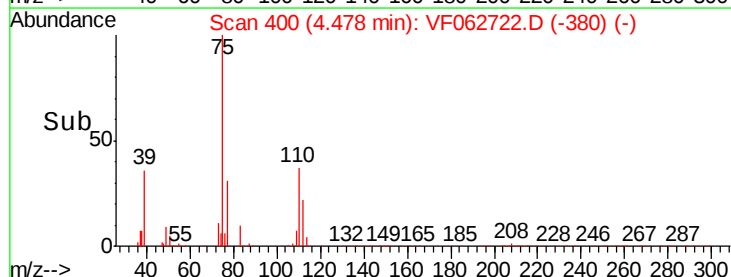
77 31.7 26.3 39.5



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

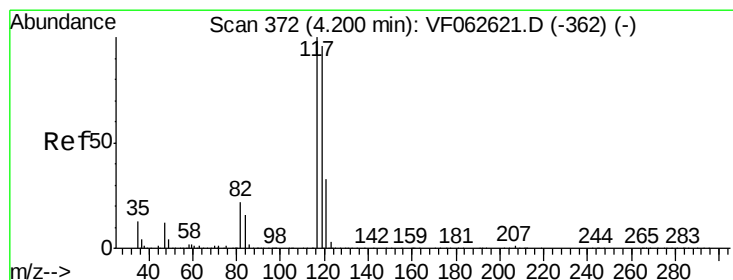
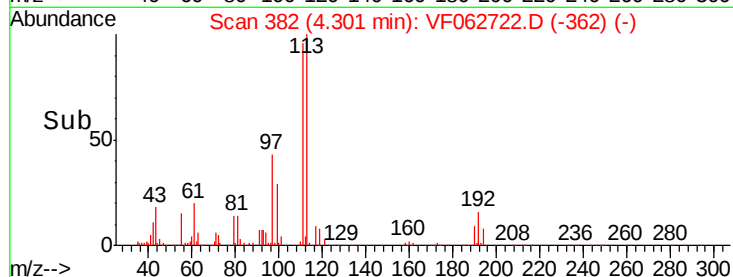
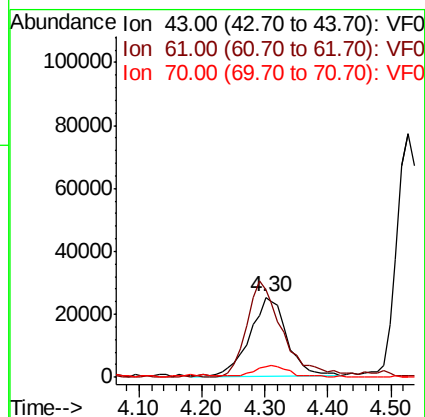
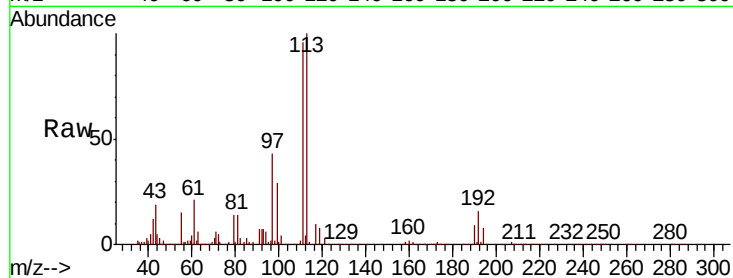




#37
Ethyl Acetate
Concen: 19.439 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.01 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

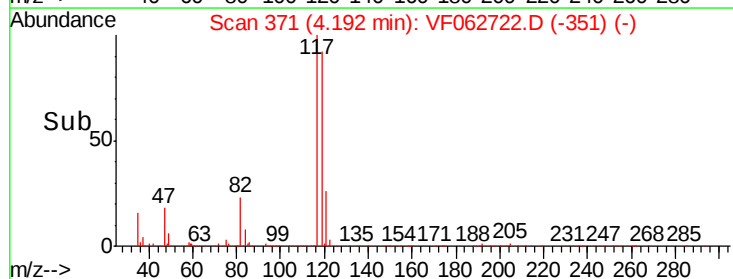
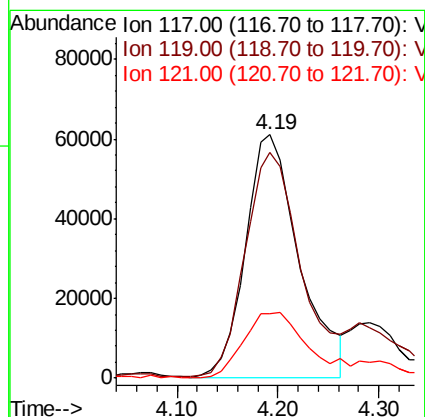
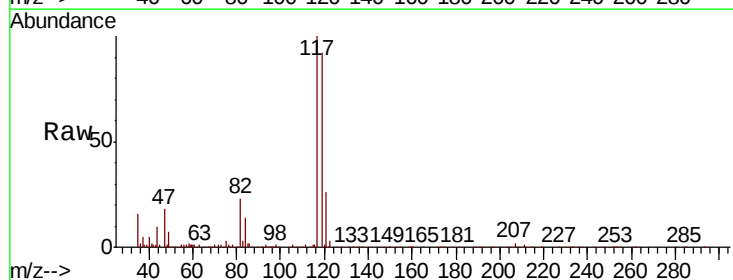
Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

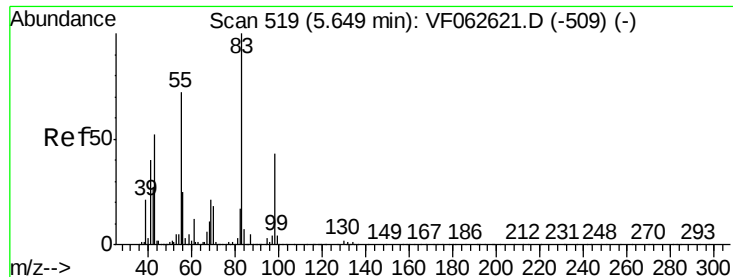
Tot Ion: 43 Resp: 104742
Ion Ratio Lower Upper
43 100
61 109.0 76.9 115.3
70 13.9 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 22.890 ug/l
RT: 4.19 min Scan# 371
Delta R.T. -0.01 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Tgt Ion: 117 Resp: 227181
Ion Ratio Lower Upper
117 100
119 92.5 76.7 115.1
121 26.3 26.6 40.0#

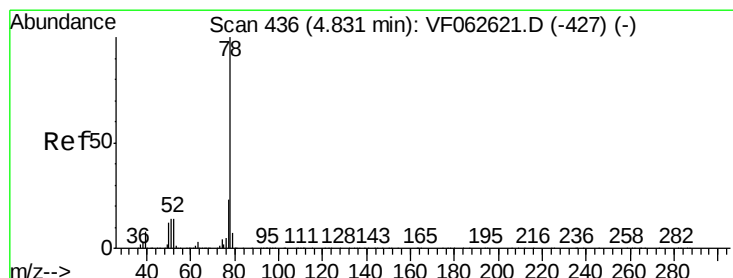
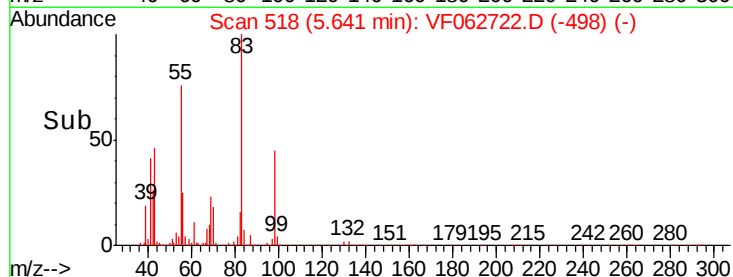
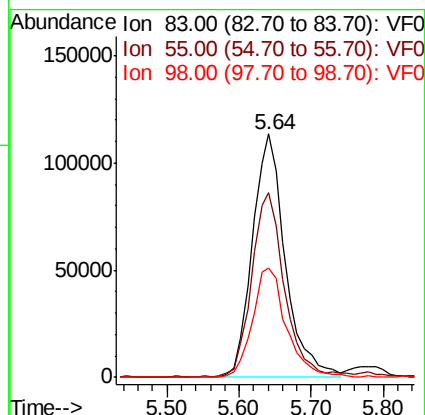
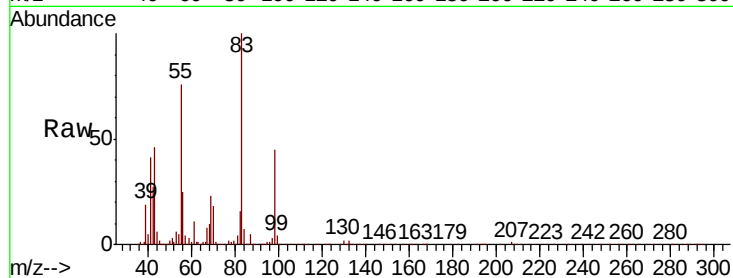




#39
Methvlcvclohexane
Concen: 22.720 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.01 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

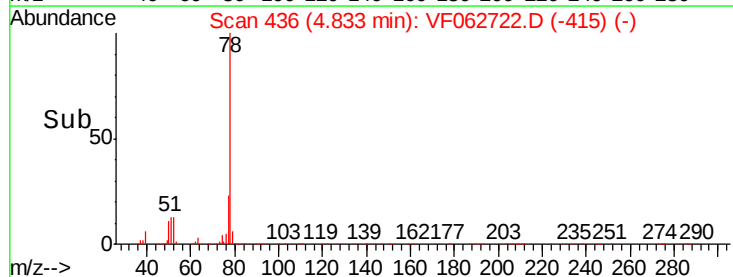
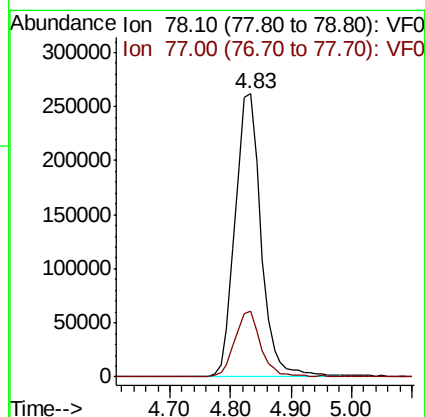
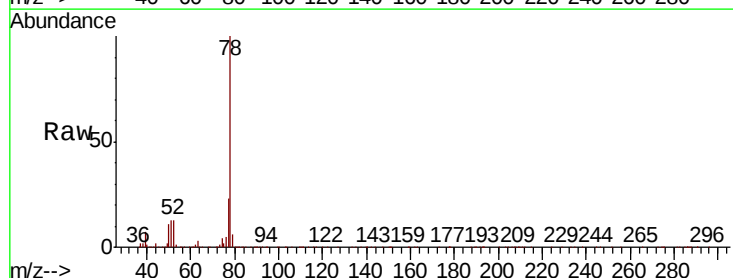
Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

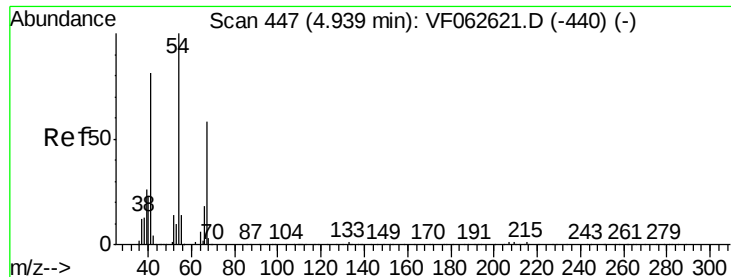
Tot Ion	83	Resp	360768
Ion Ratio	Lower	Upper	
83	100		
55	75.9	57.9	86.9
98	45.0	34.6	52.0



#40
Benzene
Concen: 21.875 ug/l
RT: 4.83 min Scan# 436
Delta R.T. 0.00 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Tgt Ion	78	Resp	786457
Ion Ratio	Lower	Upper	
78	100		
77	23.5	18.2	27.2





#41

Methacrylonitrile

Concen: 19.782 ug/l

RT: 4.93 min Scan# 446

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0523SBS01

Tot Ion: 41 Resp: 55882

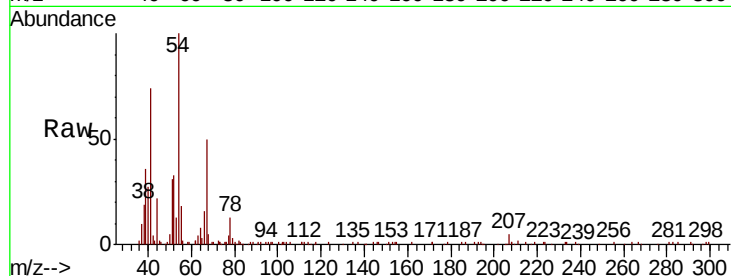
Ion Ratio Lower Upper

41 100

39 49.0 42.2 63.2

67 67.8 56.4 84.6

52 45.2 38.8 58.2

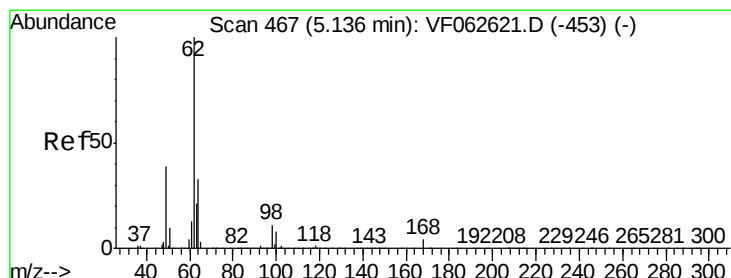
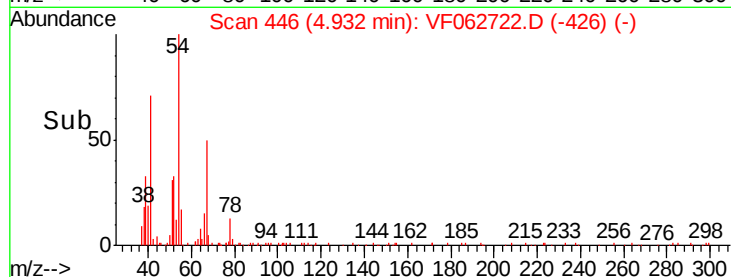
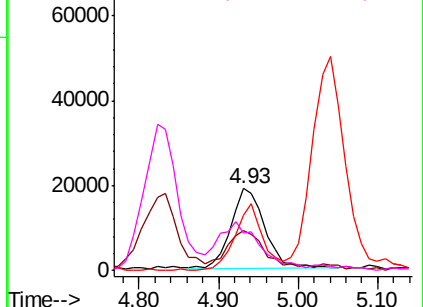


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 21.687 ug/l

RT: 5.13 min Scan# 466

Delta R.T. -0.01 min

Lab File: VF062722.D

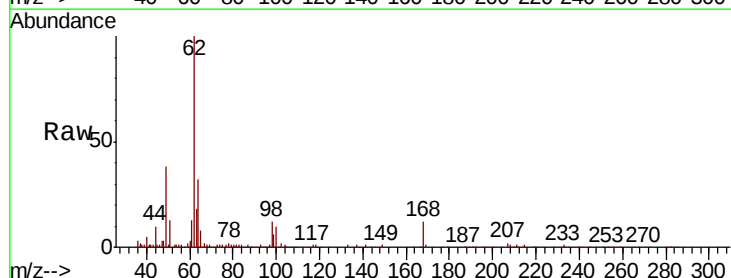
Acq: 23 May 2019 13:05

Tgt Ion: 62 Resp: 155484

Ion Ratio Lower Upper

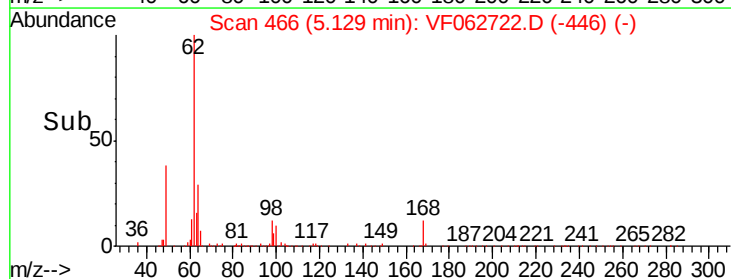
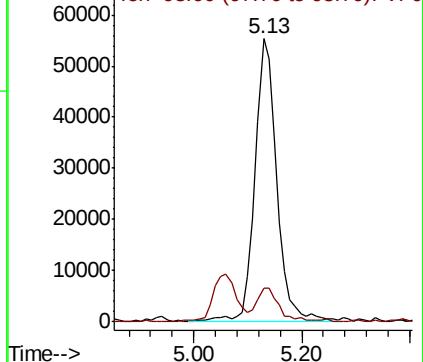
62 100

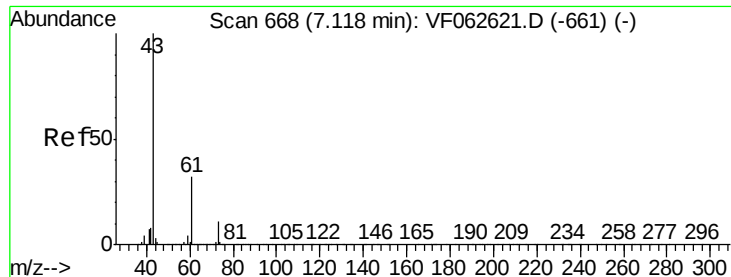
98 12.0 0.0 21.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 18.648 ug/l

RT: 7.12 min Scan# 668

Delta R.T. 0.00 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0523SBS01

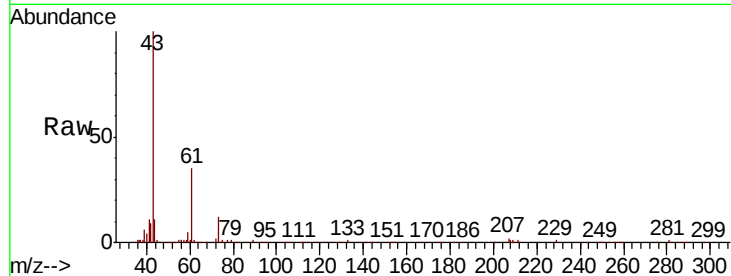
Tot Ion: 43 Resp: 130180

Ion Ratio Lower Upper

43 100

61 34.6 25.8 38.8

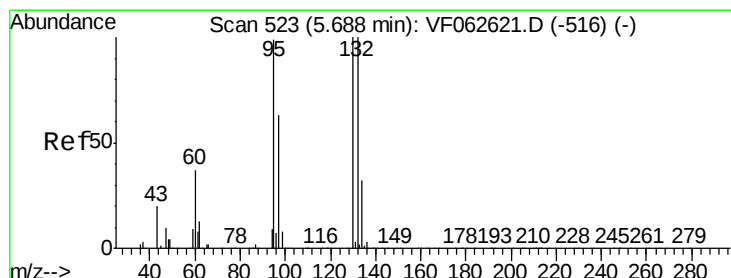
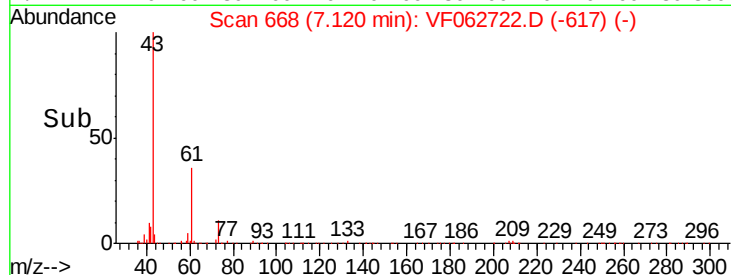
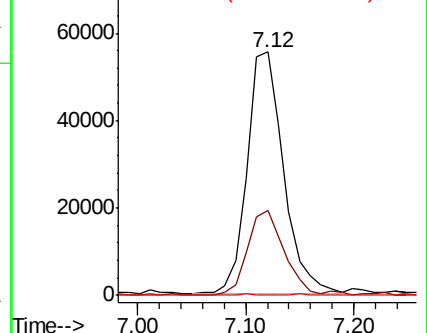
87 0.0 0.4 0.6#



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: 23.014 ug/l

RT: 5.69 min Scan# 523

Delta R.T. 0.00 min

Lab File: VF062722.D

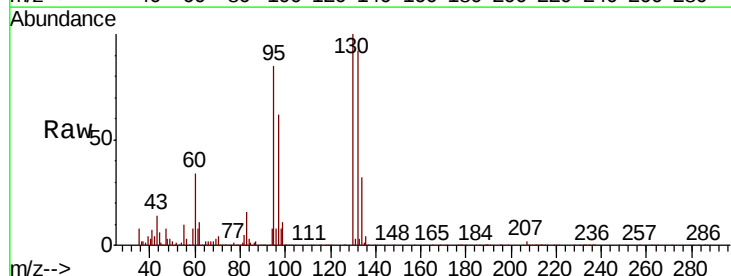
Acq: 23 May 2019 13:05

Tgt Ion: 130 Resp: 232541

Ion Ratio Lower Upper

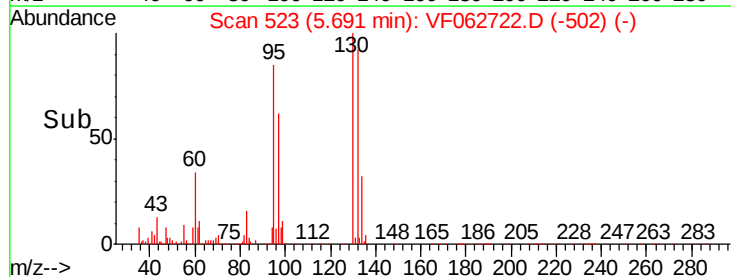
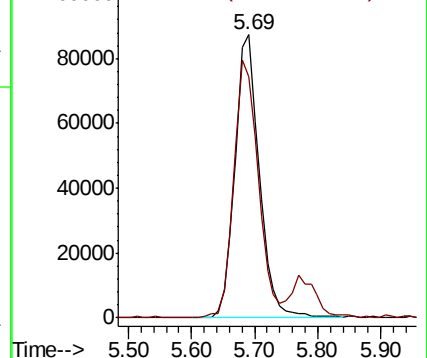
130 100

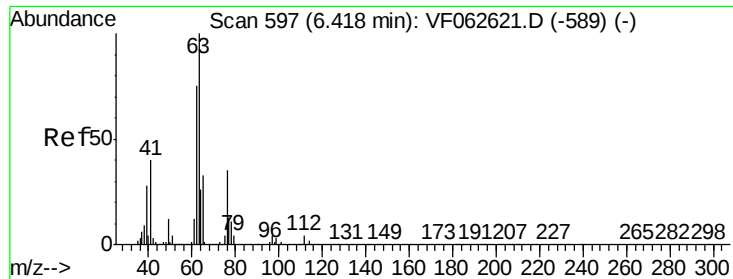
95 85.2 0.0 199.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 21.153 ug/l

RT: 6.41 min Scan# 596

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

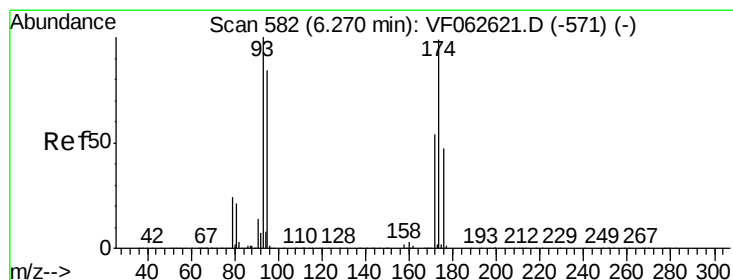
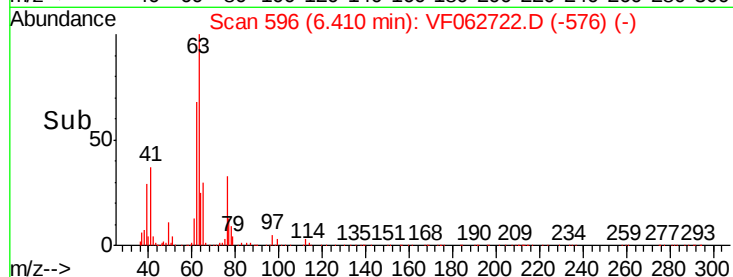
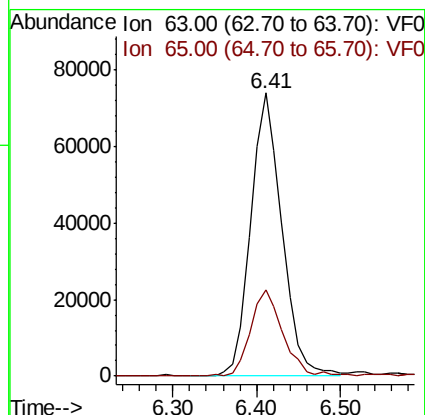
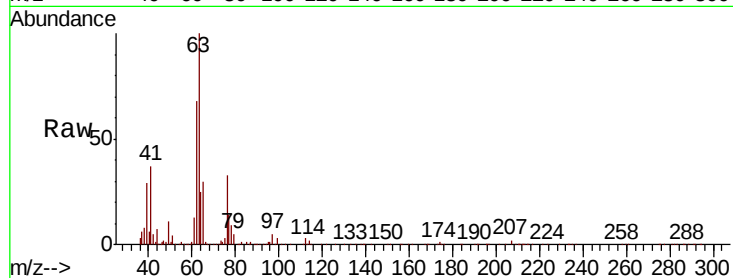
VF0523SBS01

Tot Ion: 63 Resp: 191979

Ion Ratio Lower Upper

63 100

65 30.3 26.3 39.5



#46

Dibromomethane

Concen: 21.029 ug/l

RT: 6.26 min Scan# 581

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

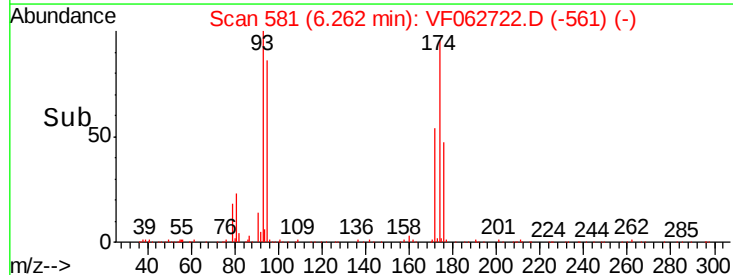
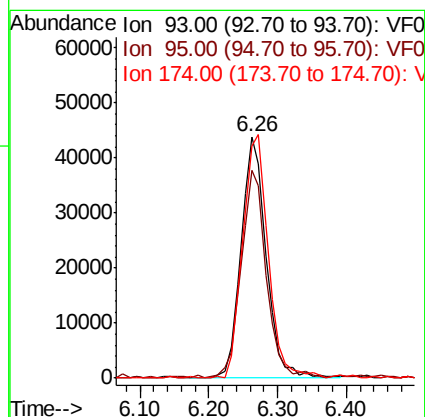
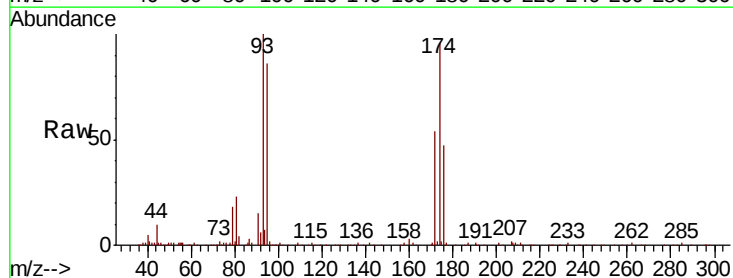
Tgt Ion: 93 Resp: 110298

Ion Ratio Lower Upper

93 100

95 85.9 67.4 101.2

174 96.4 79.4 119.2





#47

Bromodichloromethane

Concen: 20.522 ug/l

RT: 6.56 min Scan# 611

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0523SBS01

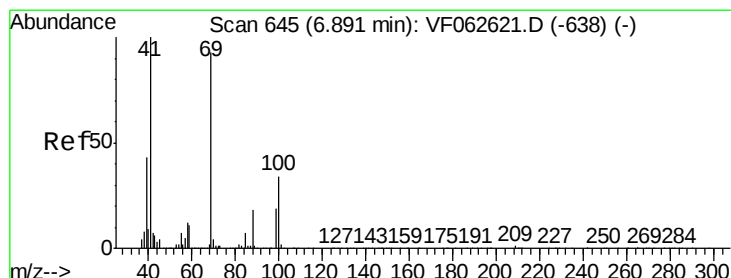
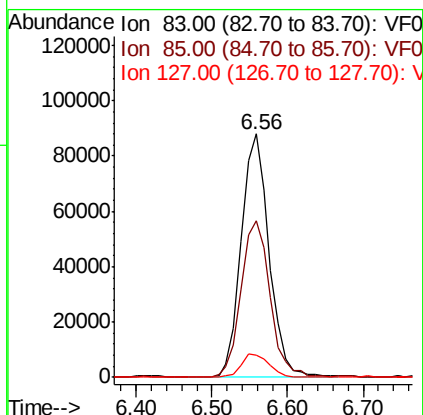
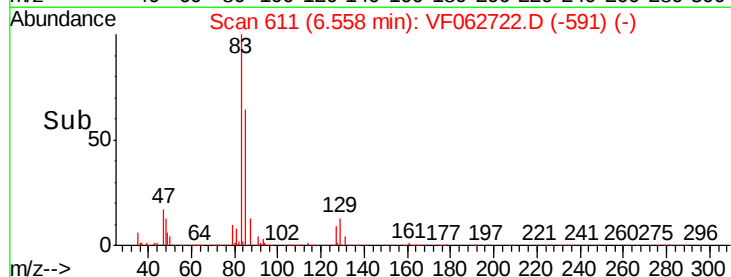
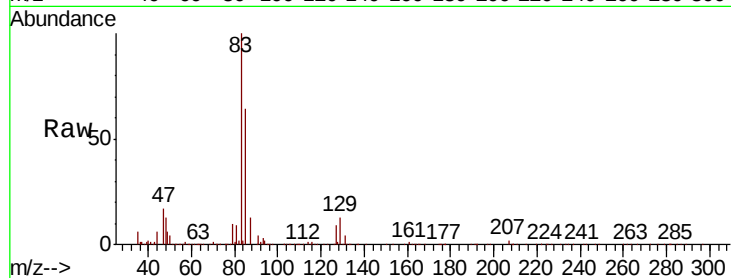
Tot Ion: 83 Resp: 223459

Ion Ratio Lower Upper

83 100

85 64.2 52.0 78.0

127 9.1 7.7 11.5



#48

Methyl methacrylate

Concen: 17.799 ug/l

RT: 6.88 min Scan# 644

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

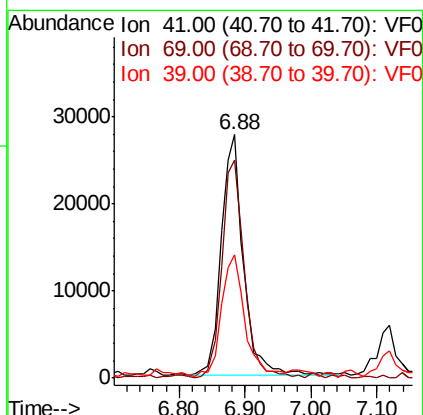
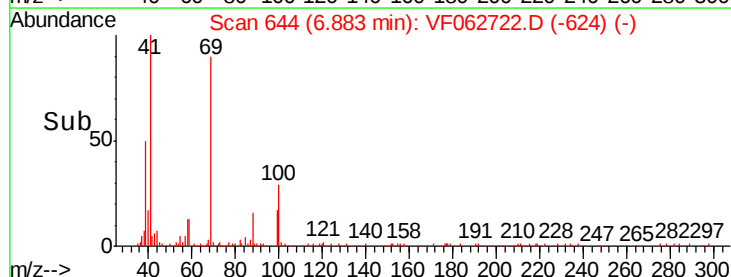
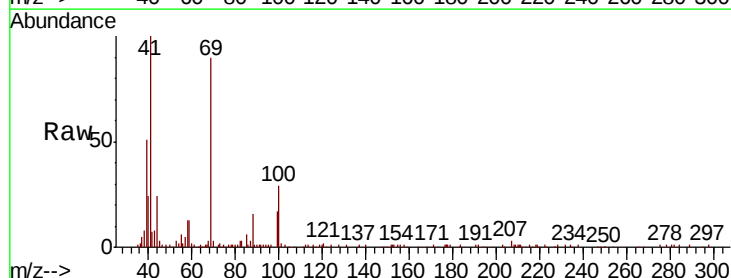
Tgt Ion: 41 Resp: 64945

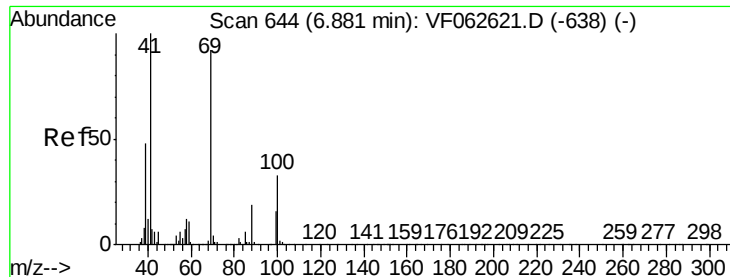
Ion Ratio Lower Upper

41 100

69 89.8 74.2 111.2

39 50.7 34.2 51.4





#49

1,4-Dioxane

Concen: 356.282 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0523SBS01

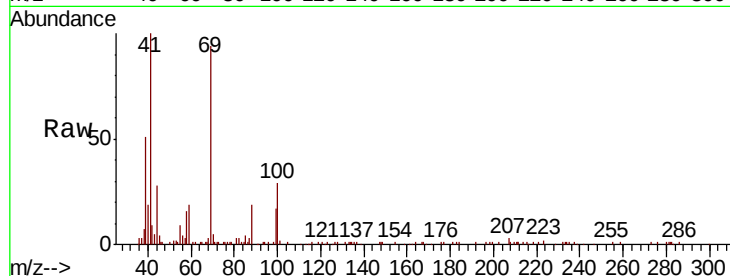
Tot Ion: 88 Resp: 16650

Ion Ratio Lower Upper

88 100

43 23.8 30.0 45.0#

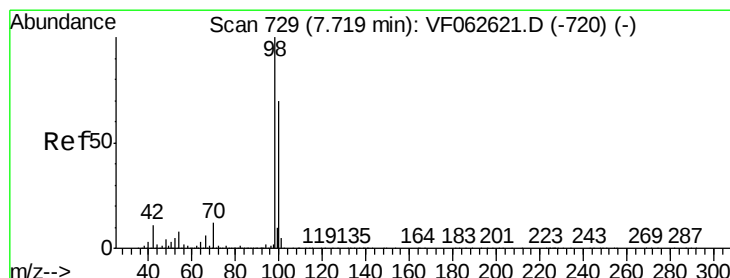
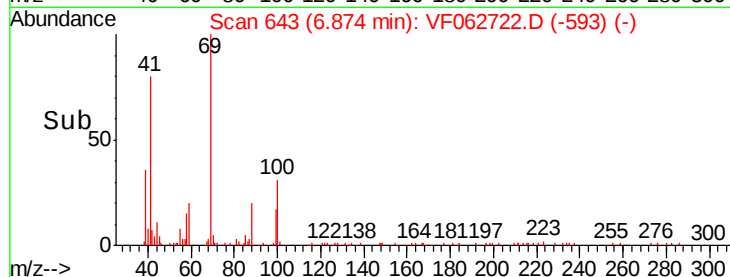
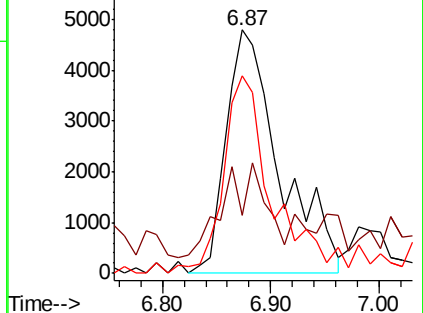
58 81.3 51.1 76.7#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 45.497 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.01 min

Lab File: VF062722.D

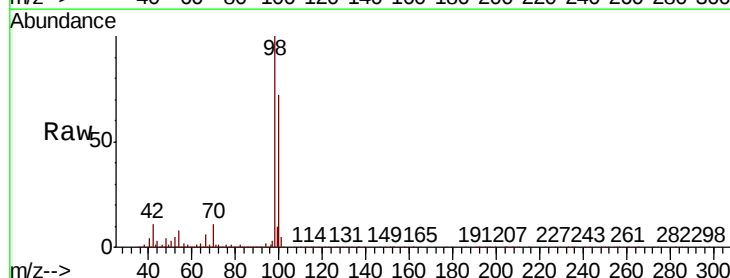
Acq: 23 May 2019 13:05

Tgt Ion: 98 Resp: 1070544

Ion Ratio Lower Upper

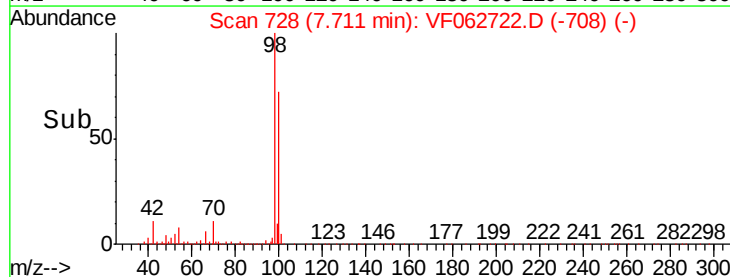
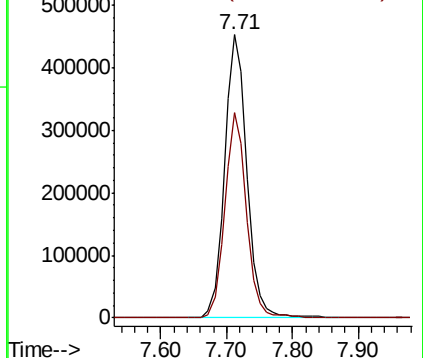
98 100

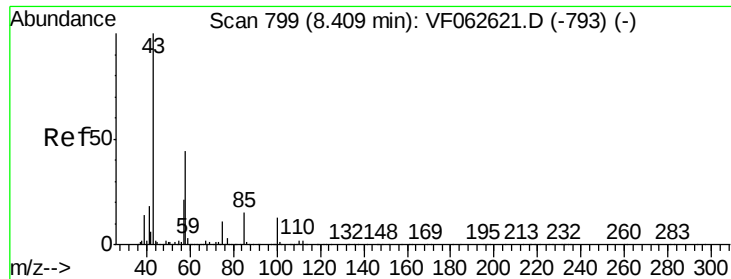
100 72.4 56.2 84.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 103.510 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

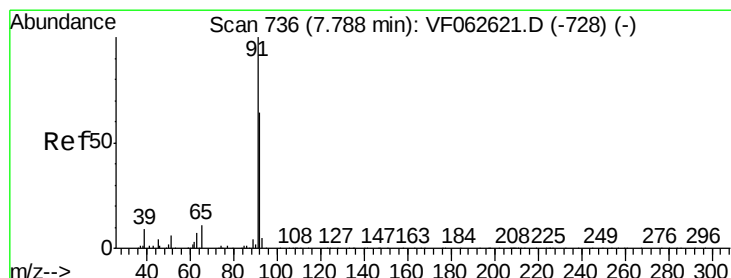
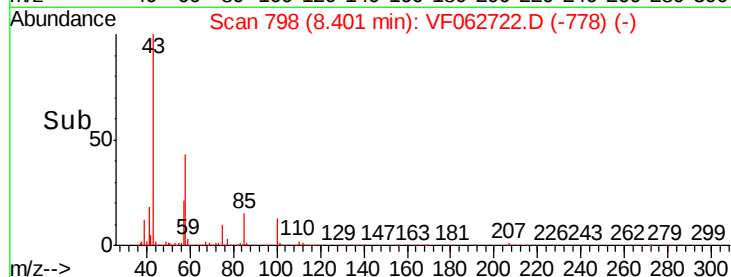
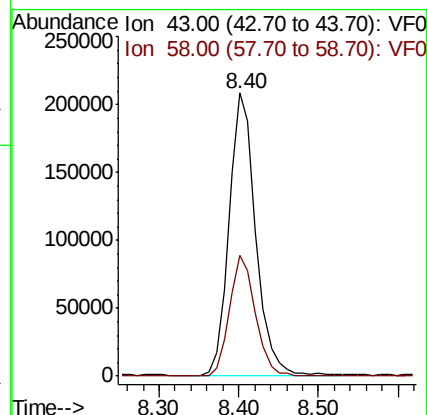
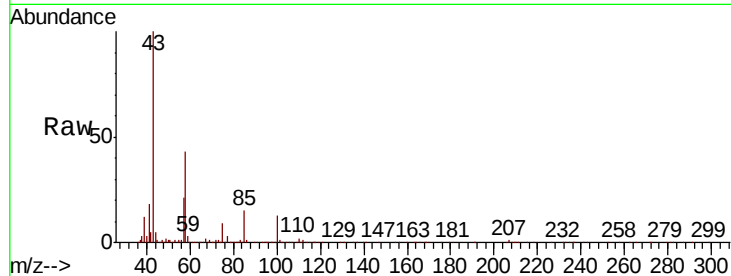
VF0523SBS01

Tot Ion: 43 Resp: 493912

Ion Ratio Lower Upper

43 100

58 42.8 34.9 52.3



#52

Toluene

Concen: 22.258 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF062722.D

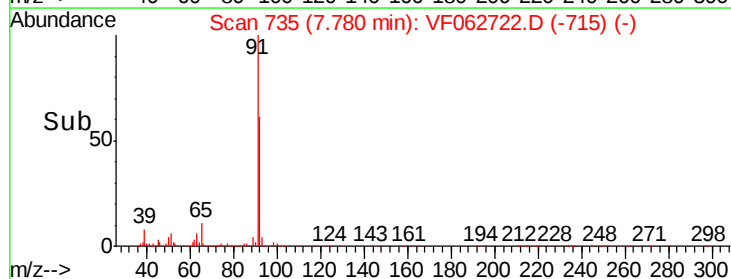
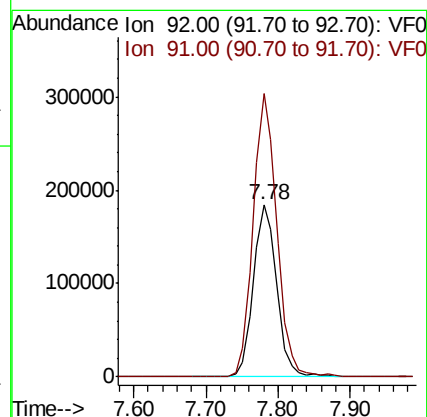
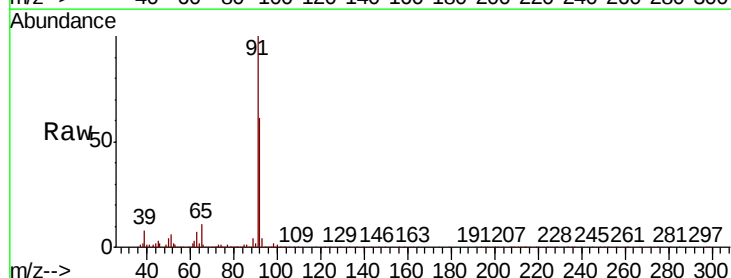
Acq: 23 May 2019 13:05

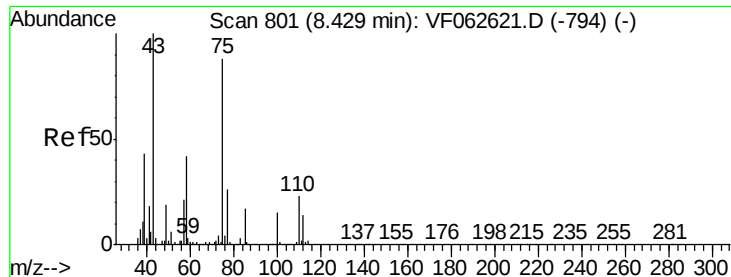
Tgt Ion: 92 Resp: 419678

Ion Ratio Lower Upper

92 100

91 164.0 125.4 188.0

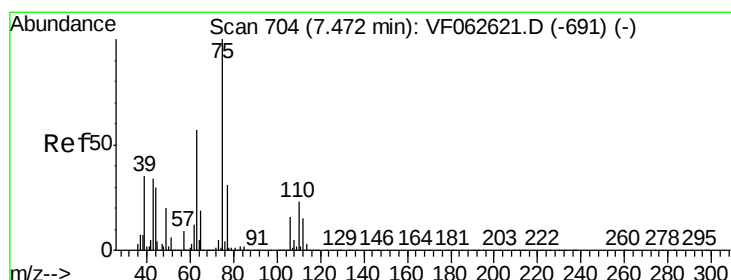
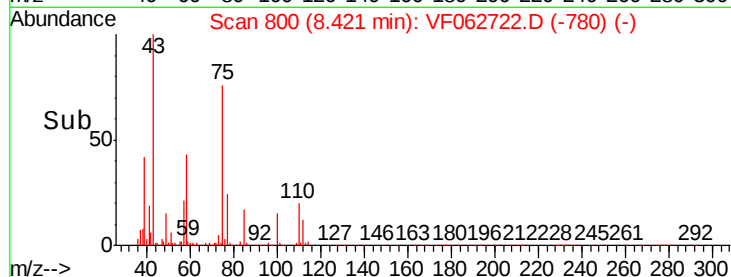
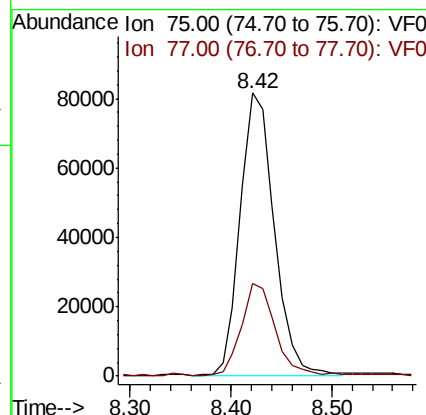
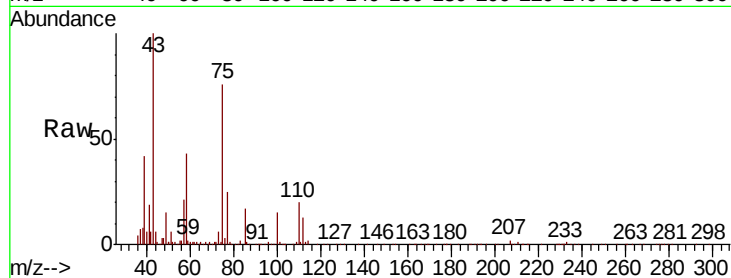




#53
 t-1,3-Dichloropropene
 Concen: 21.510 ug/l
 RT: 8.42 min Scan# 800
 Delta R.T. -0.01 min
 Lab File: VF062722.D
 Acq: 23 May 2019 13:05

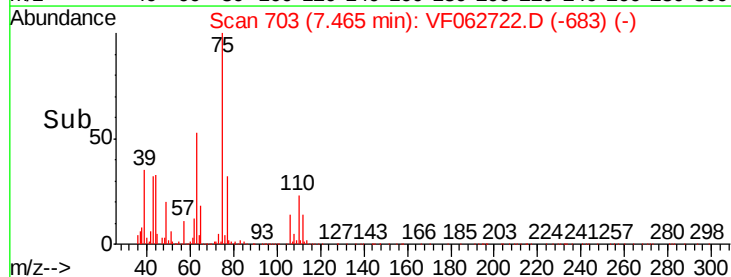
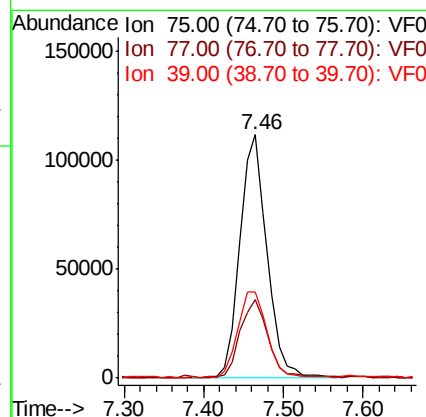
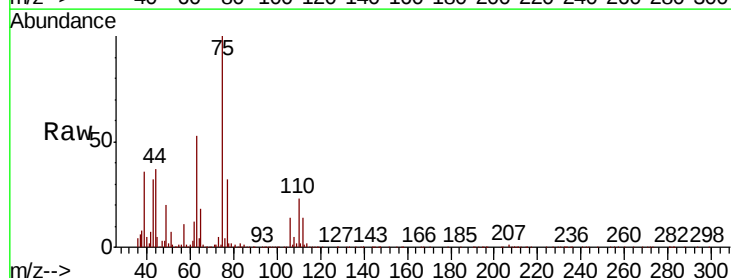
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0523SBS01

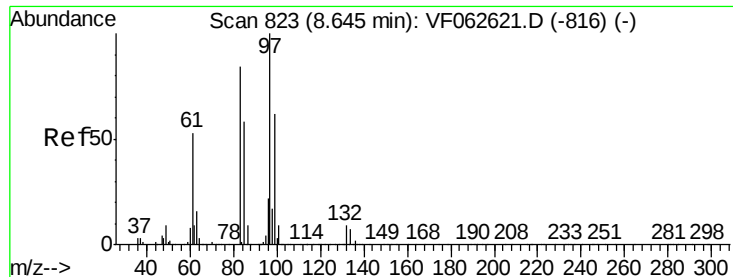
Tot Ion: 75 Resp: 191621
 Ion Ratio Lower Upper
 75 100
 77 32.5 24.2 36.4



#54
 cis-1,3-Dichloropropene
 Concen: 21.132 ug/l
 RT: 7.46 min Scan# 703
 Delta R.T. -0.01 min
 Lab File: VF062722.D
 Acq: 23 May 2019 13:05

Tgt Ion: 75 Resp: 263515
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.3 37.9
 39 35.5 28.2 42.2





#55

1,1,2-Trichloroethane

Concen: 22.601 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0523SBS01

Tot Ion: 97 Resp: 126174

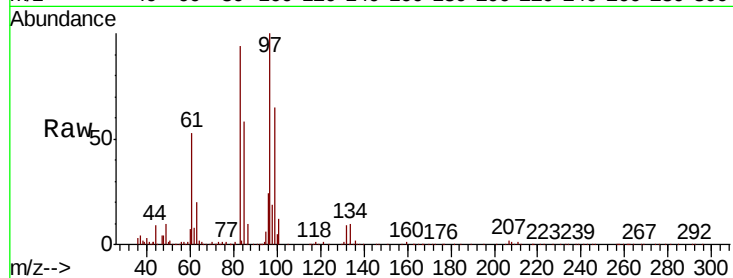
Ion Ratio Lower Upper

97 100

83 93.5 67.3 100.9

85 58.1 46.6 69.8

99 65.3 49.7 74.5

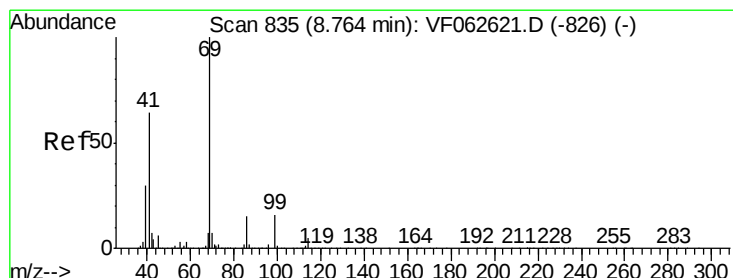
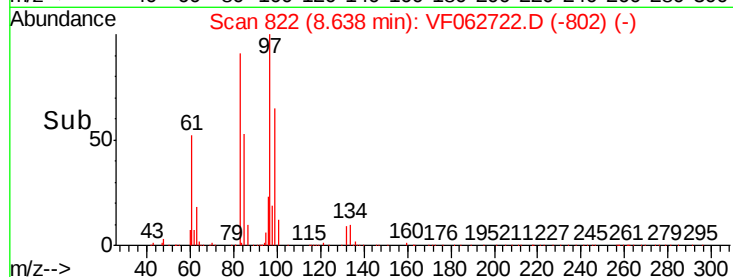
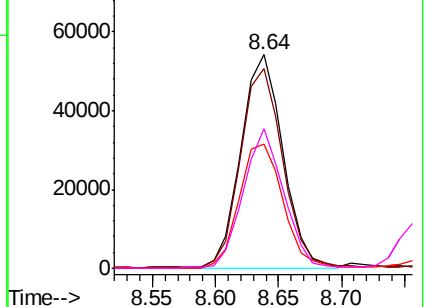


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 20.440 ug/l

RT: 8.76 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

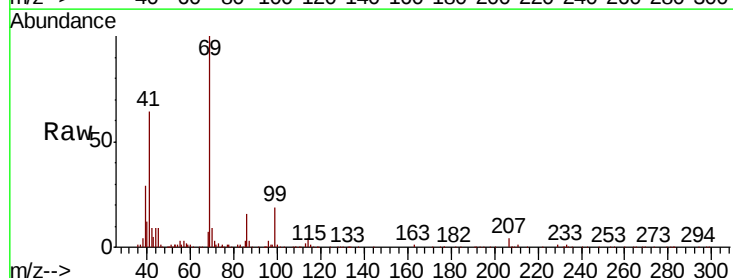
Tgt Ion: 69 Resp: 135948

Ion Ratio Lower Upper

69 100

41 63.8 51.4 77.2

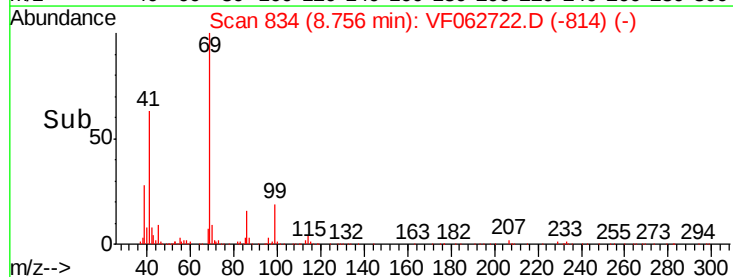
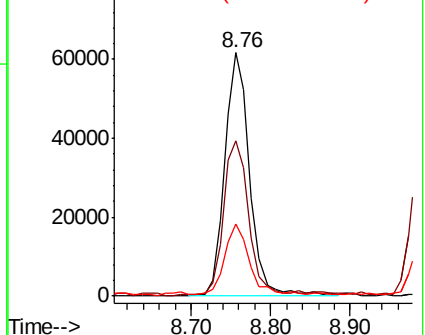
39 29.4 23.6 35.4

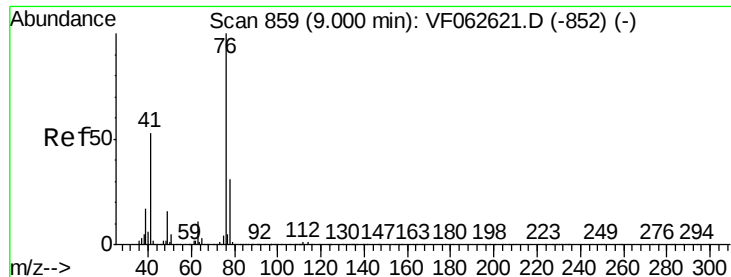


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 21.679 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

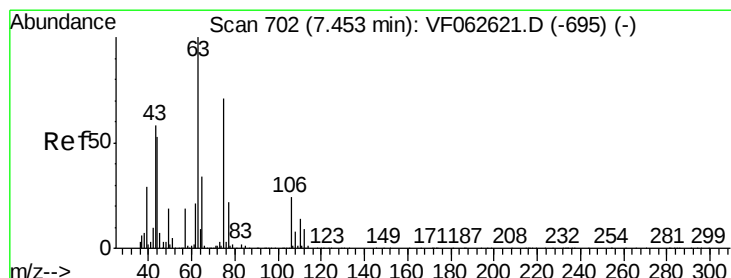
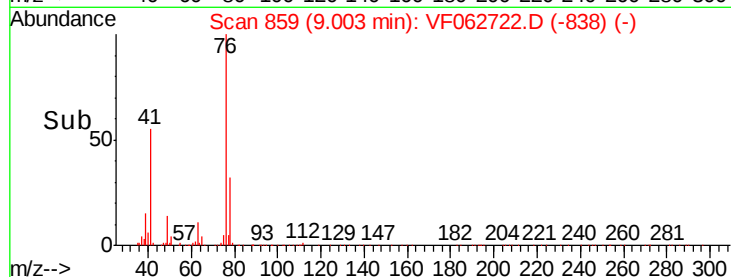
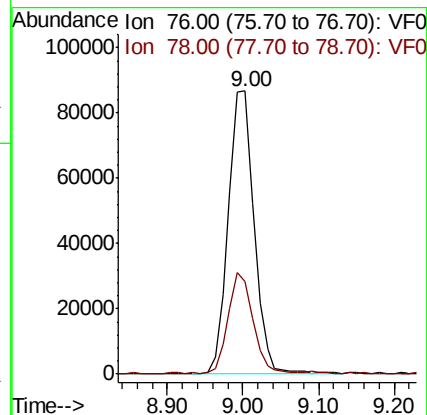
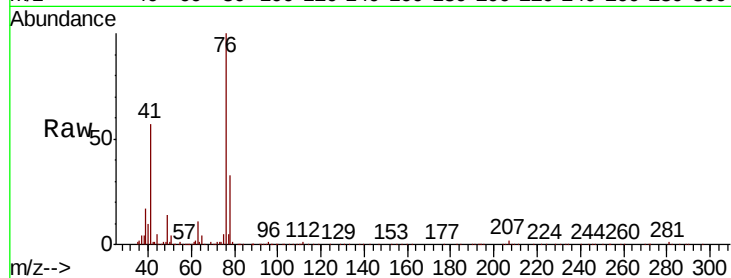
VF0523SBS01

Tot Ion: 76 Resp: 206142

Ion Ratio Lower Upper

76 100

78 32.6 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 93.960 ug/l

RT: 7.45 min Scan# 701

Delta R.T. -0.01 min

Lab File: VF062722.D

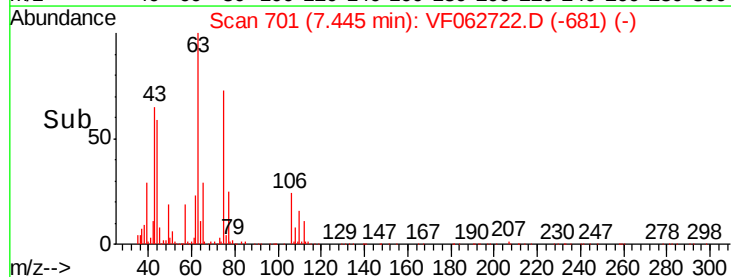
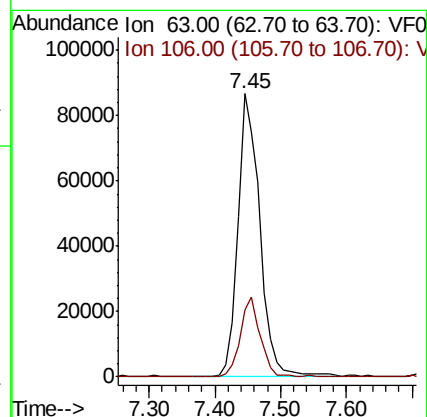
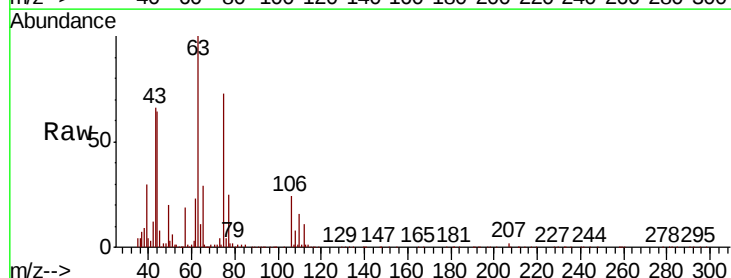
Acq: 23 May 2019 13:05

Tgt Ion: 63 Resp: 203415

Ion Ratio Lower Upper

63 100

106 23.6 19.1 28.7

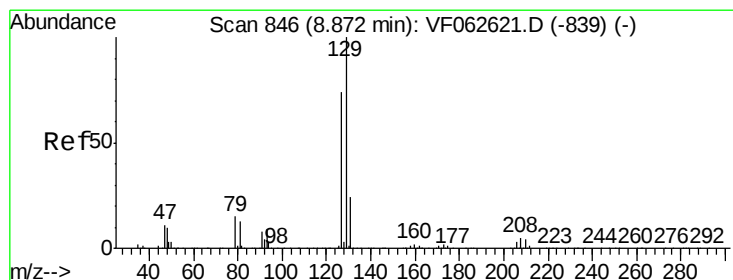
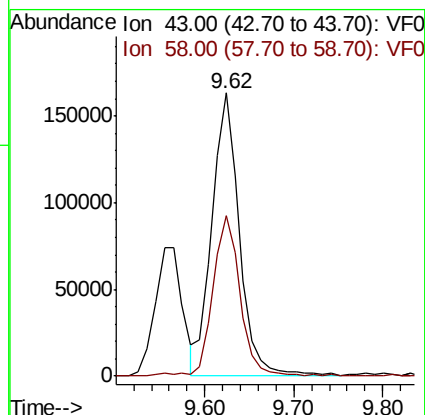
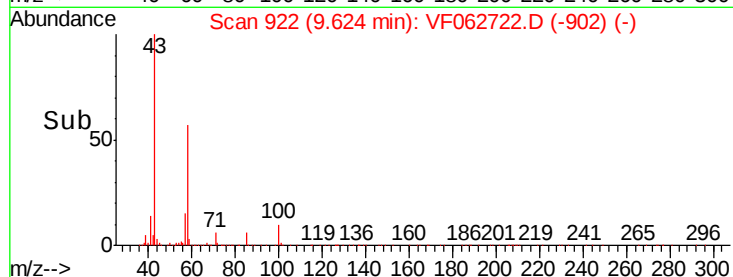
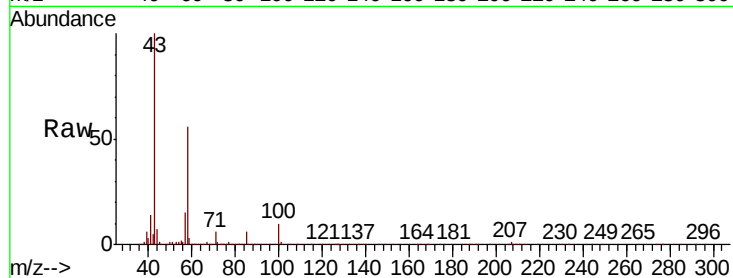




#59
2-Hexanone
Concen: 101.352 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

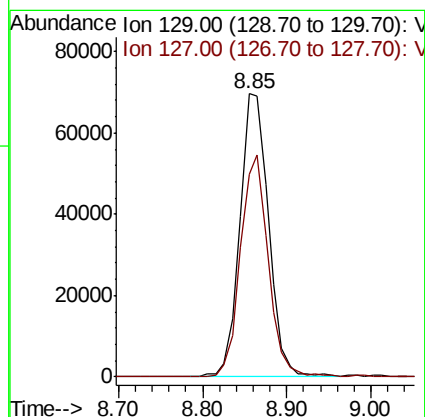
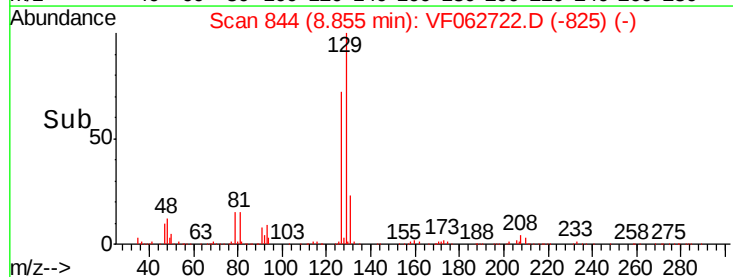
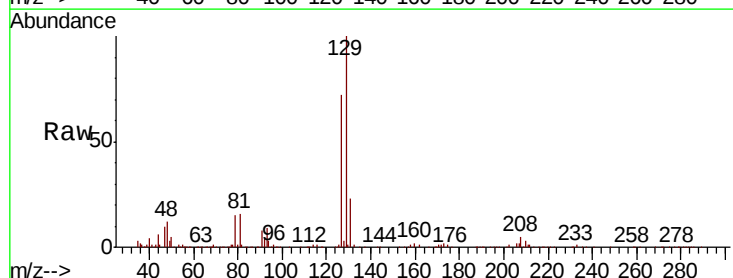
Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

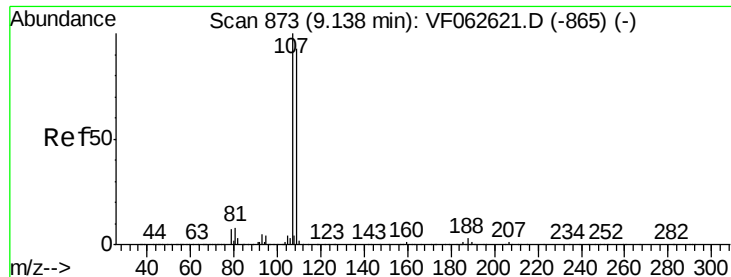
Tot Ion: 43 Resp: 347551
Ion Ratio Lower Upper
43 100
58 56.5 28.1 84.4



#60
Dibromochloromethane
Concen: 22.821 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.02 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Tgt Ion: 129 Resp: 166045
Ion Ratio Lower Upper
129 100
127 71.8 37.2 111.6





#61

1,2-Dibromoethane

Concen: 22.892 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

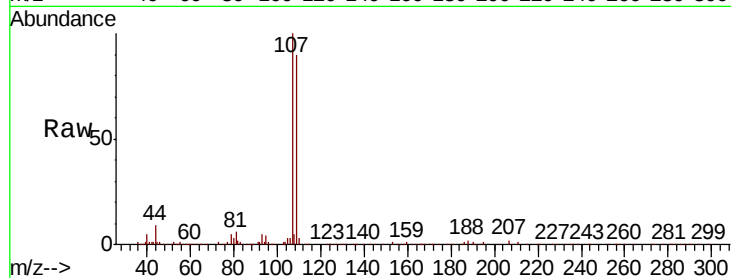
VF0523SBS01

Tot Ion:107 Resp: 135742

Ion Ratio Lower Upper

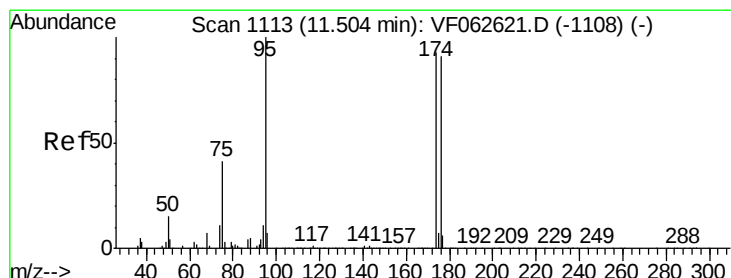
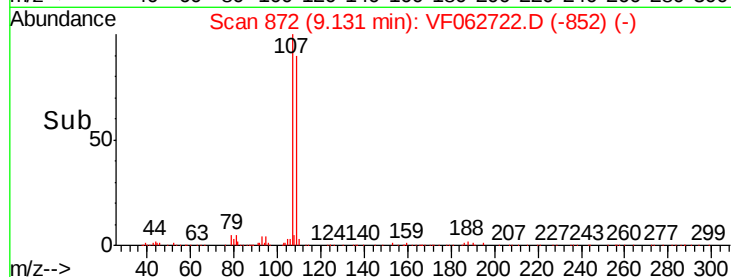
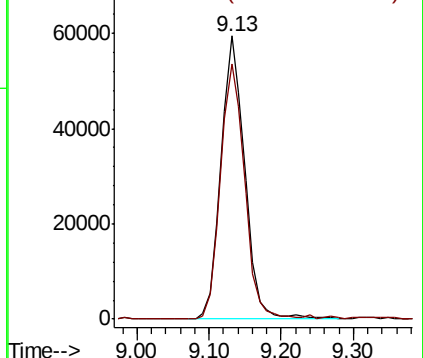
107 100

109 89.9 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 43.035 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

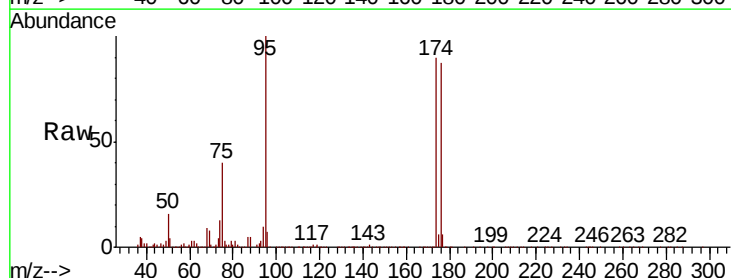
Tgt Ion: 95 Resp: 384053

Ion Ratio Lower Upper

95 100

174 90.1 0.0 185.6

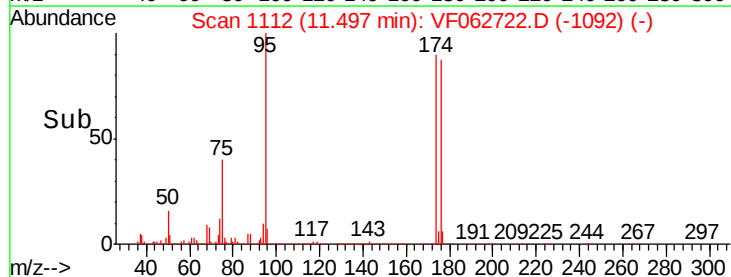
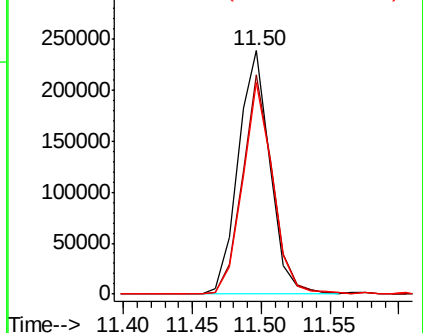
176 87.1 0.0 182.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

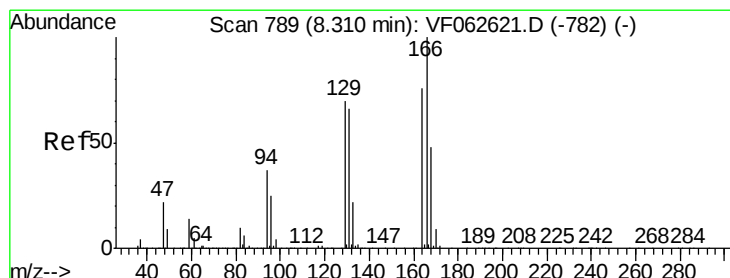
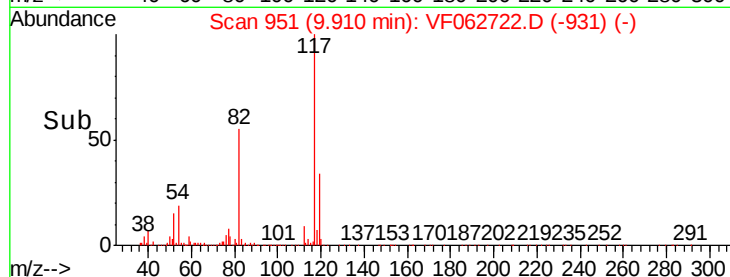
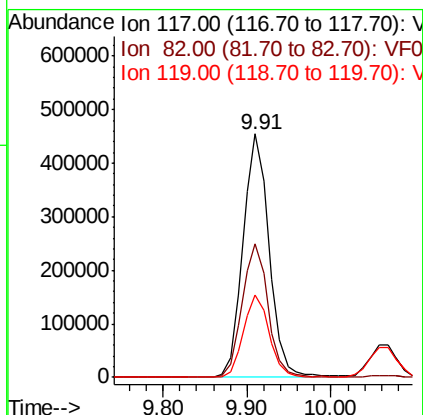
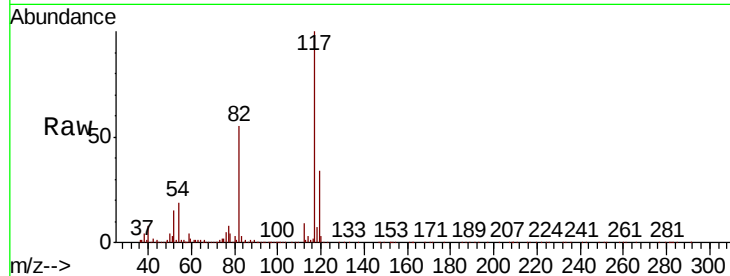




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

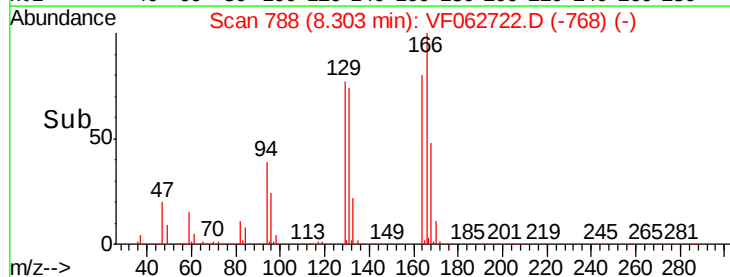
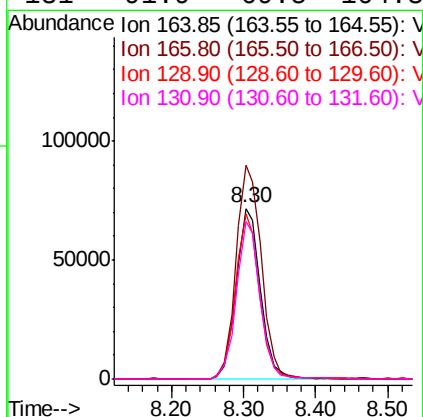
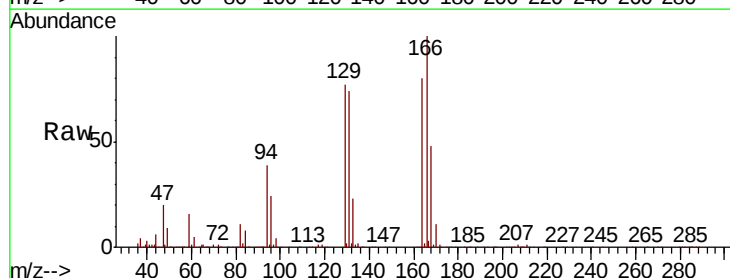
Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

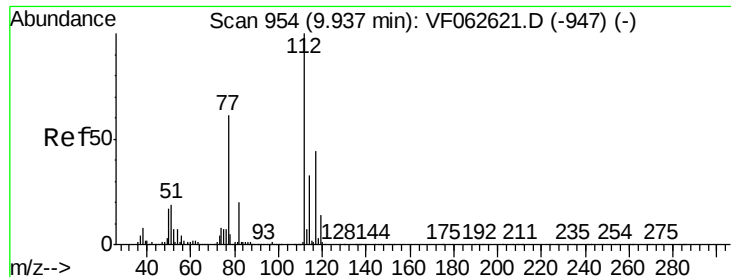
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	43.3	64.9
119	34.1	27.4	41.0



#64
Tetrachloroethene
Concen: 21.673 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.0	105.5	158.3
129	96.8	73.8	110.6
131	91.9	69.5	104.3

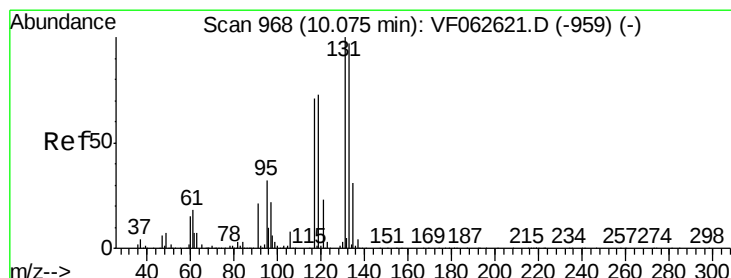
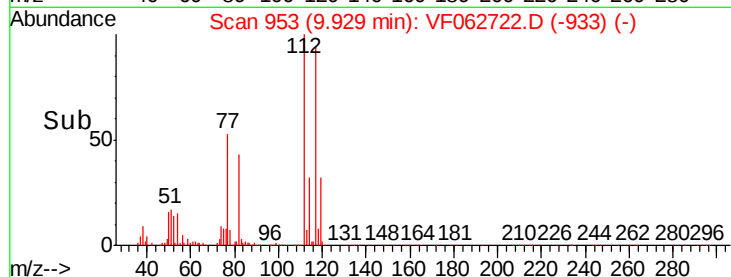
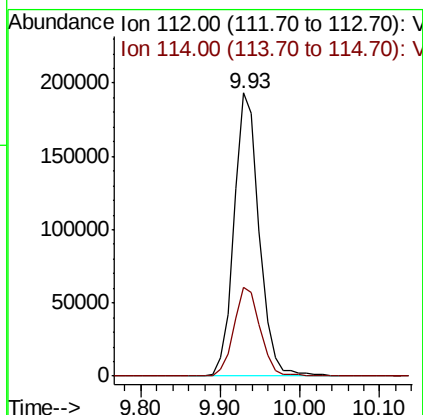
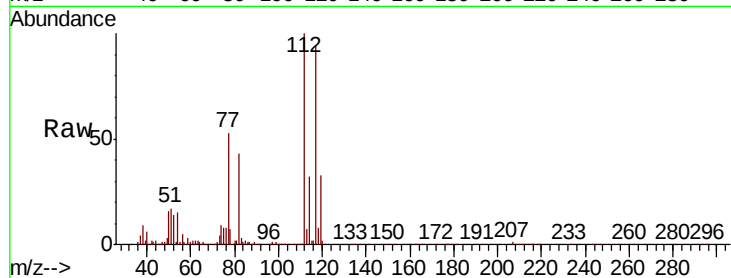




#65
Chlorobenzene
Concen: 21.992 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

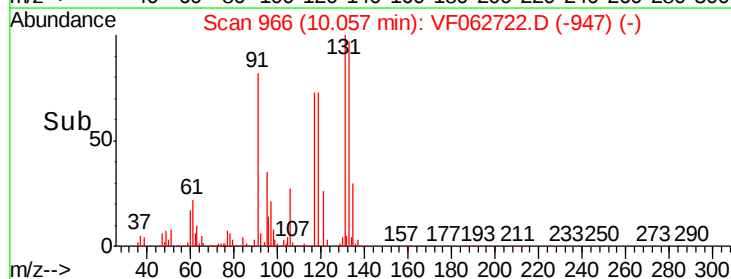
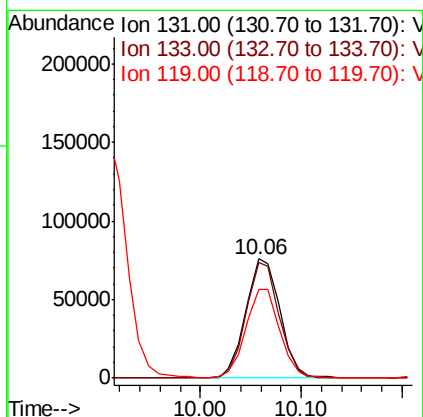
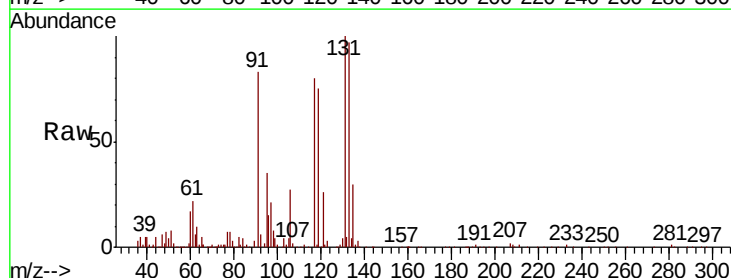
Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

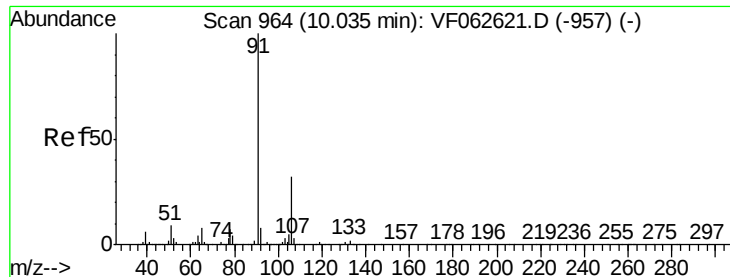
Tot Ion:112 Resp: 425818
Ion Ratio Lower Upper
112 100
114 31.5 26.8 40.2



#66
1,1,1,2-Tetrachloroethane
Concen: 23.097 ug/l
RT: 10.06 min Scan# 966
Delta R.T. -0.02 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Tgt Ion:131 Resp: 179531
Ion Ratio Lower Upper
131 100
133 96.8 48.5 145.5
119 74.8 36.8 110.4

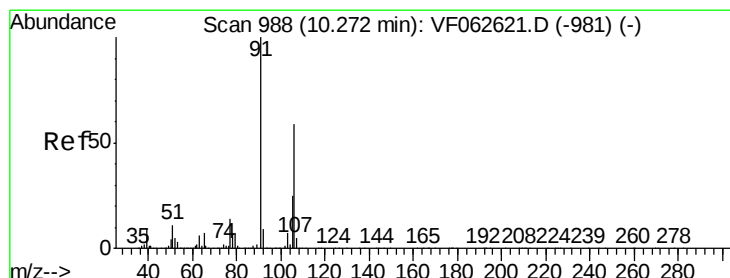
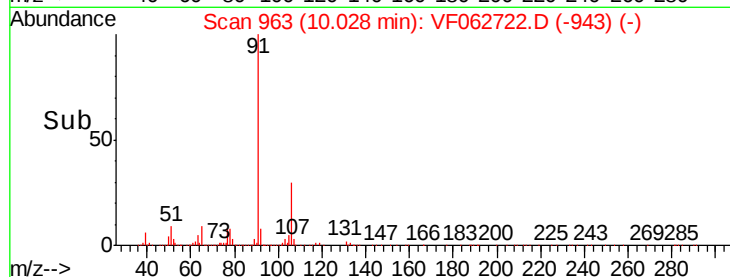
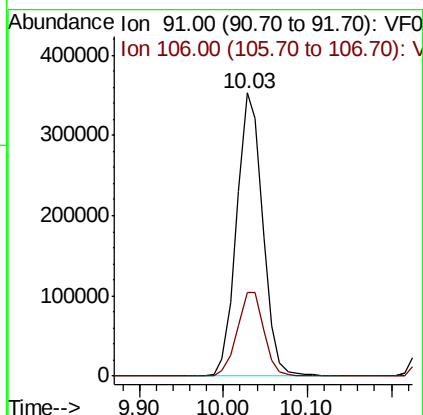
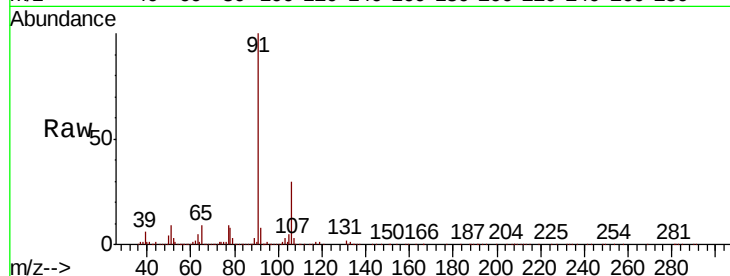




#67
Ethyl Benzene
Concen: 22.655 ug/l
RT: 10.03 min Scan# 963
Delta R.T. -0.01 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

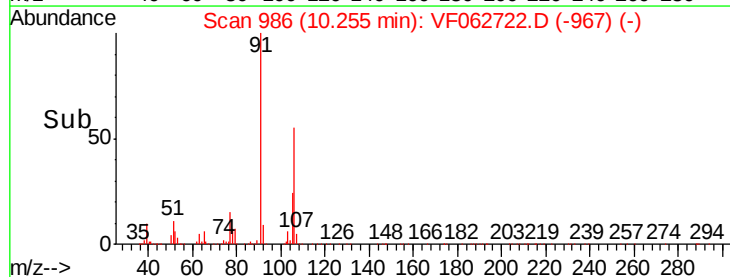
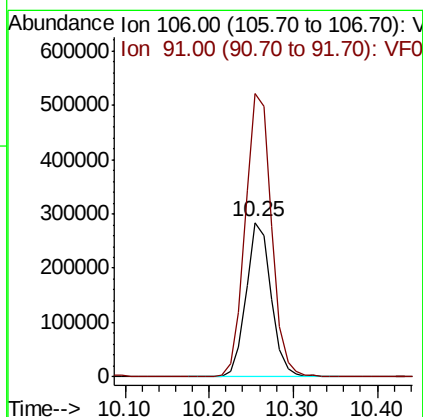
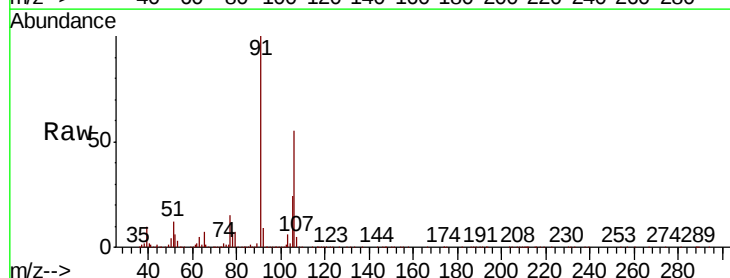
Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

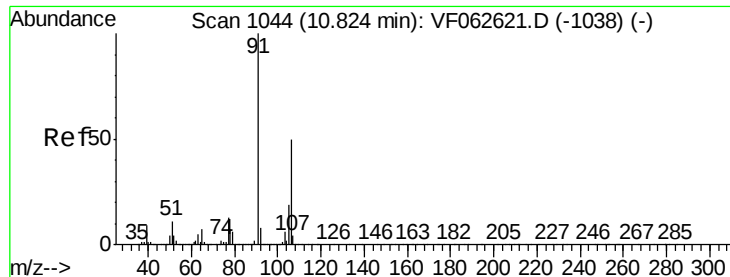
Tot Ion: 91 Resp: 762035
Ion Ratio Lower Upper
91 100
106 29.7 25.8 38.8



#68
m/p-Xylenes
Concen: 46.942 ug/l
RT: 10.25 min Scan# 986
Delta R.T. -0.02 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Tgt Ion: 106 Resp: 593446
Ion Ratio Lower Upper
106 100
91 183.0 136.9 205.3

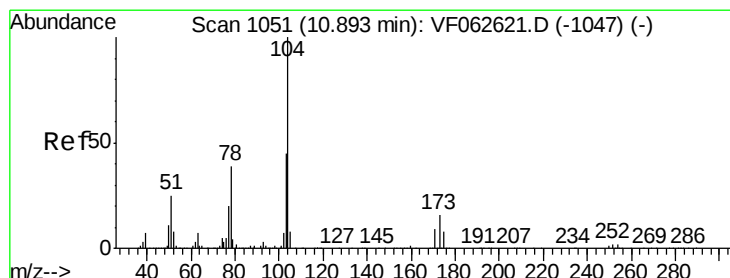
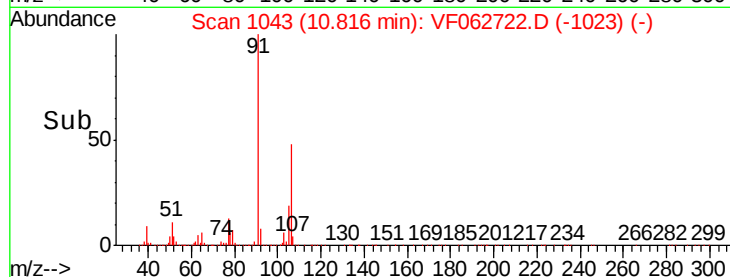
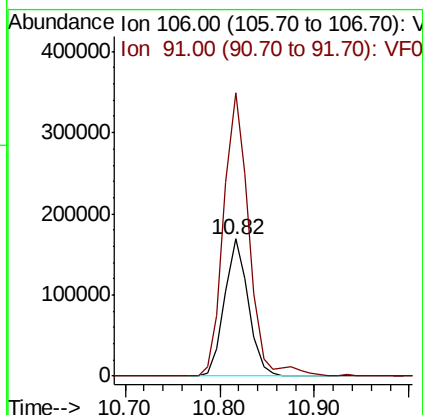
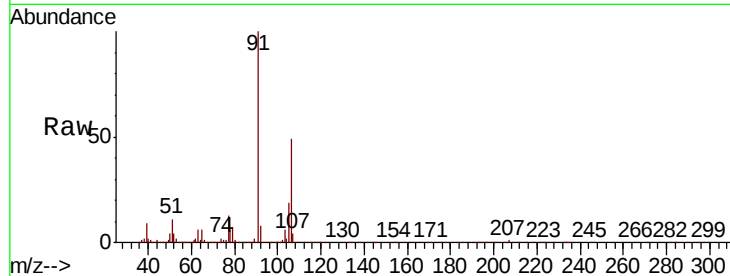




#69
o-Xylene
Concen: 22.838 ug/l
RT: 10.82 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

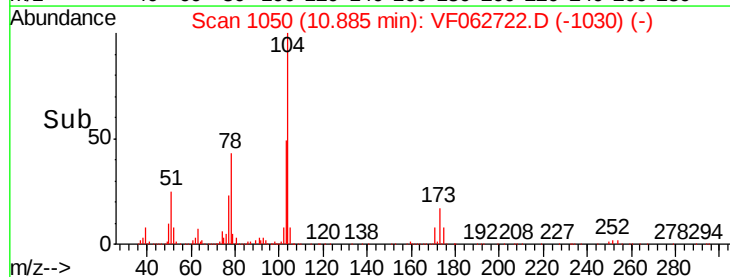
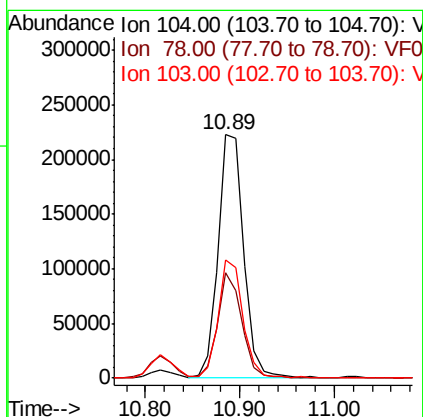
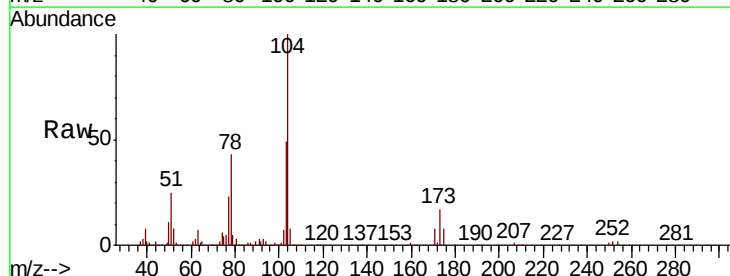
Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

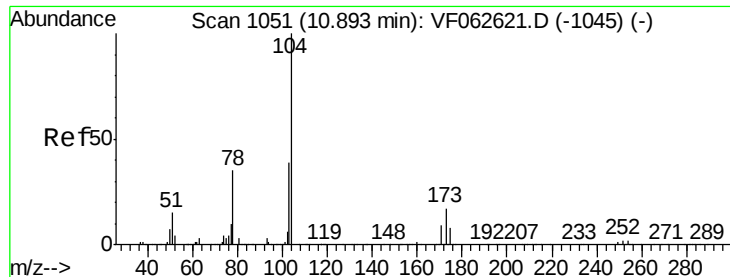
Tot Ion:106 Resp: 297391
Ion Ratio Lower Upper
106 100
91 206.1 100.2 300.5



#70
Styrene
Concen: 20.993 ug/l
RT: 10.89 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Tgt Ion:104 Resp: 415491
Ion Ratio Lower Upper
104 100
78 43.0 31.9 47.9
103 48.7 36.1 54.1





#71

Bromoform

Concen: 21.578 ug/l

RT: 10.88 min Scan# 1049

Delta R.T. -0.02 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0523SBS01

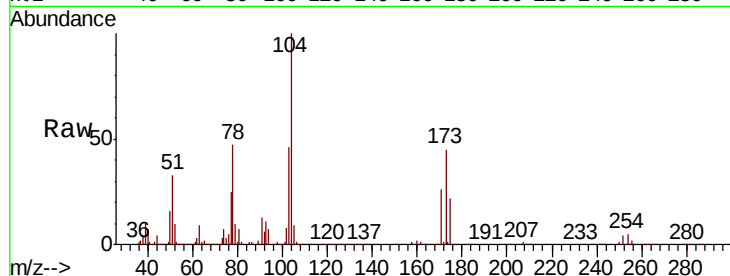
Tot Ion:173 Resp: 84003

Ion Ratio Lower Upper

173 100

175 49.7 25.3 75.9

254 0.0 0.2 0.2#

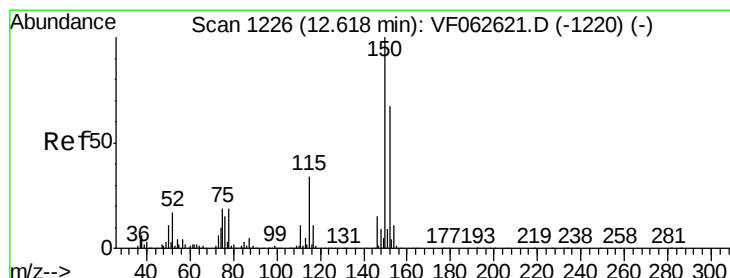
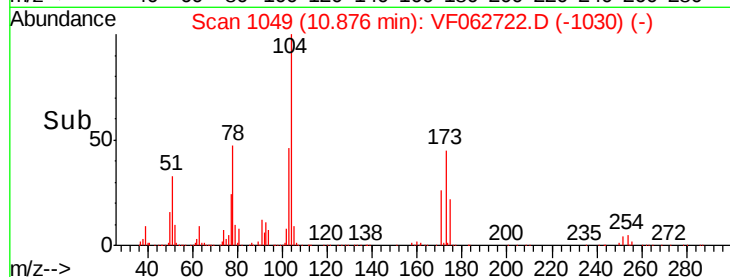
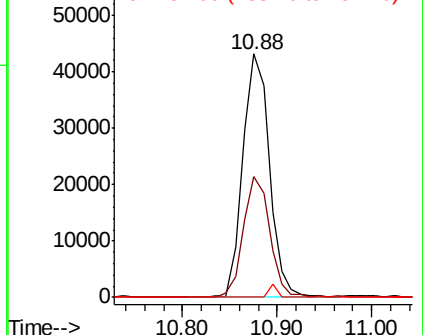


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

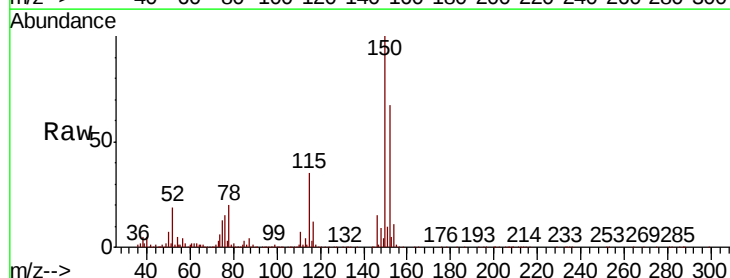
Tgt Ion:152 Resp: 493526

Ion Ratio Lower Upper

152 100

115 51.9 25.2 75.6

150 149.6 0.0 306.2

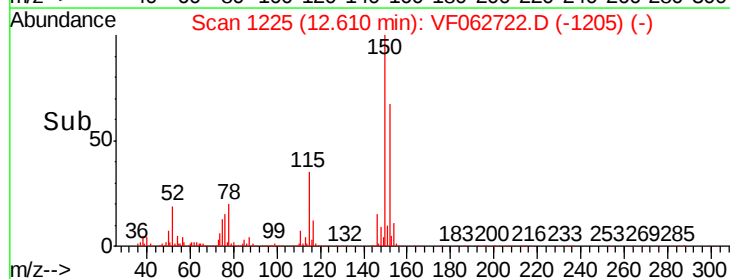
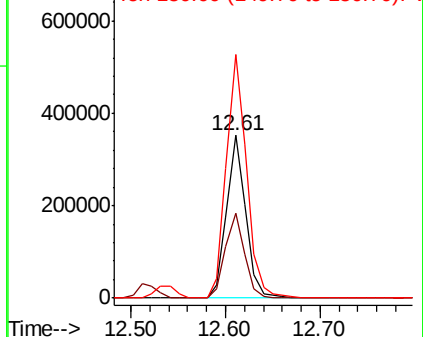


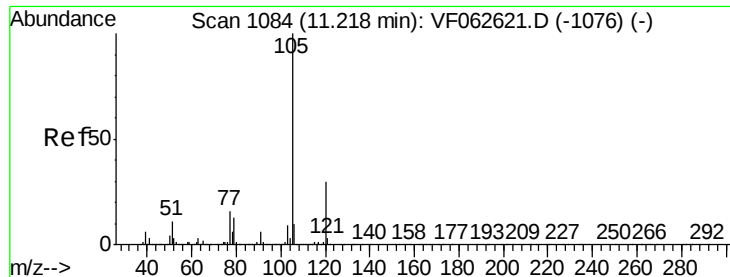
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 22.309 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

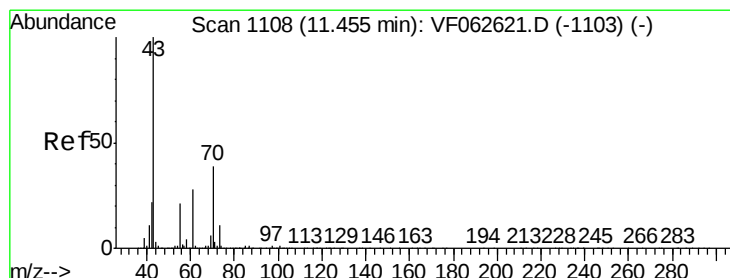
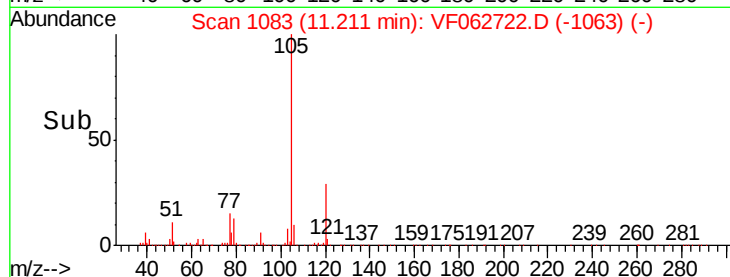
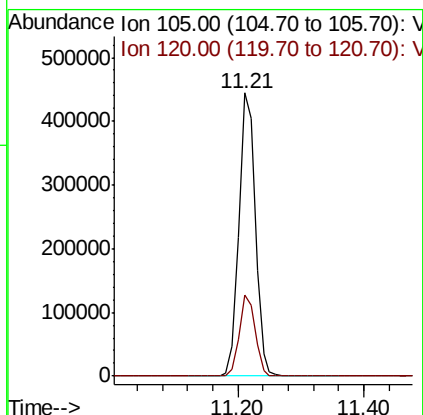
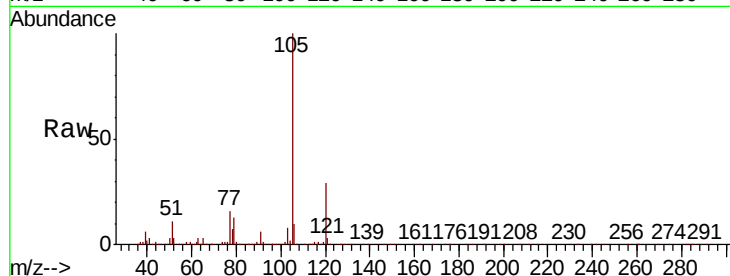
VF0523SBSD01

Tot Ion:105 Resp: 789121

Ion Ratio Lower Upper

105 100

120 28.6 14.8 44.4



#74

N-ethyl acetate

Concen: 19.189 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Tgt Ion: 43 Resp: 202626

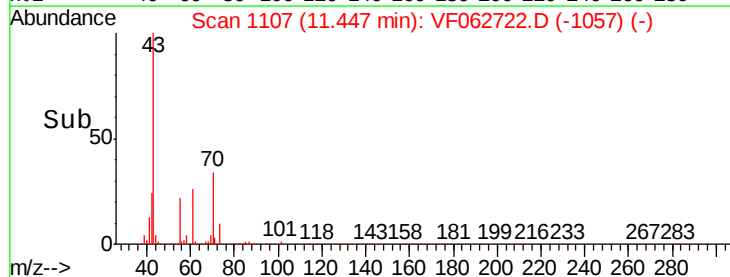
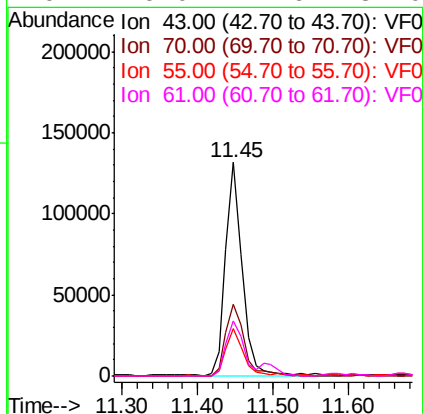
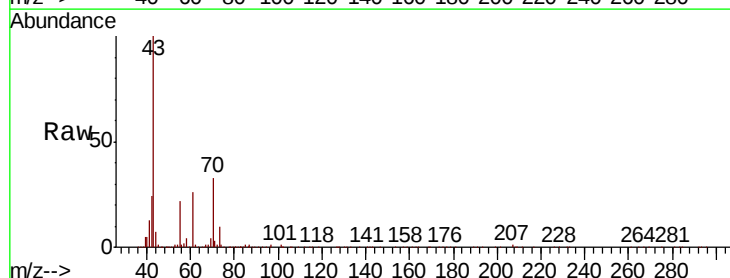
Ion Ratio Lower Upper

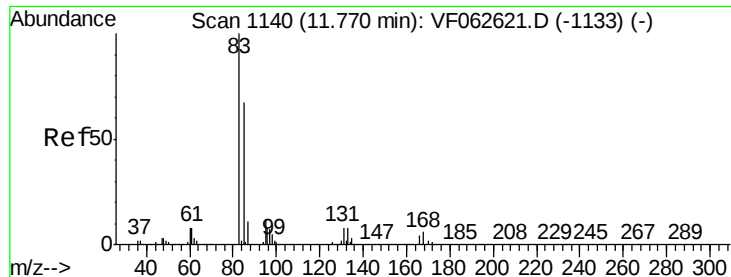
43 100

70 33.4 30.9 46.3

55 22.0 17.0 25.4

61 26.0 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.587 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0523SBSD01

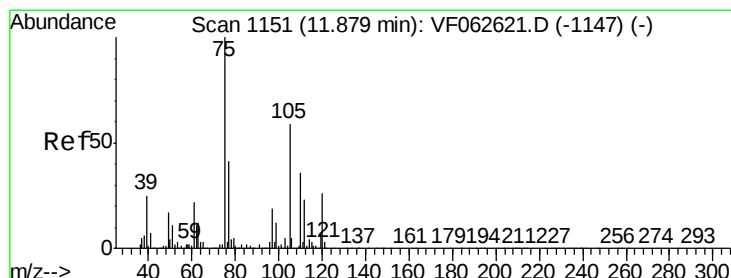
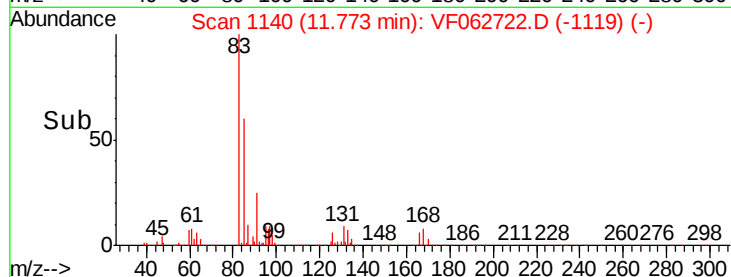
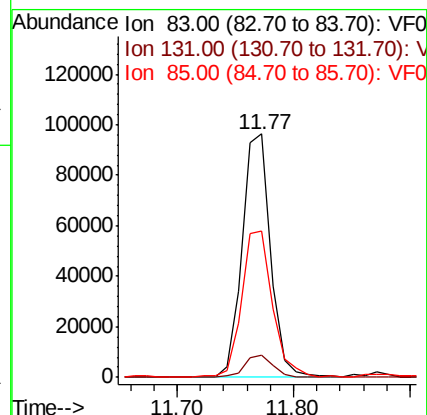
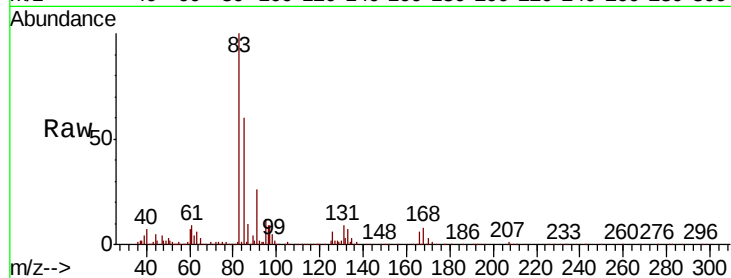
Tot Ion: 83 Resp: 163272

Ion Ratio Lower Upper

83 100

131 9.3 4.0 12.0

85 60.3 33.5 100.5



#76

1,2,3-Trichloropropane

Concen: 21.875 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.01 min

Lab File: VF062722.D

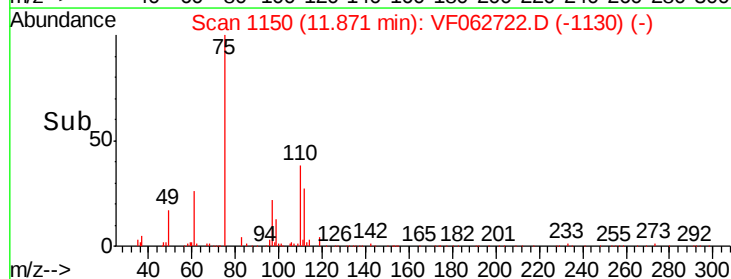
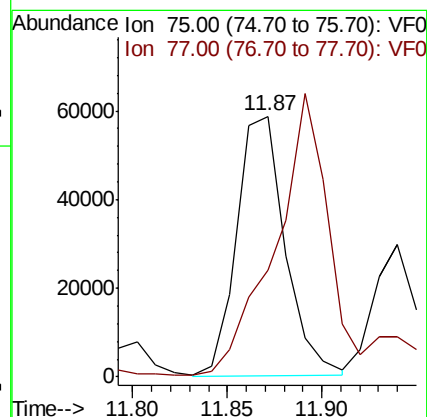
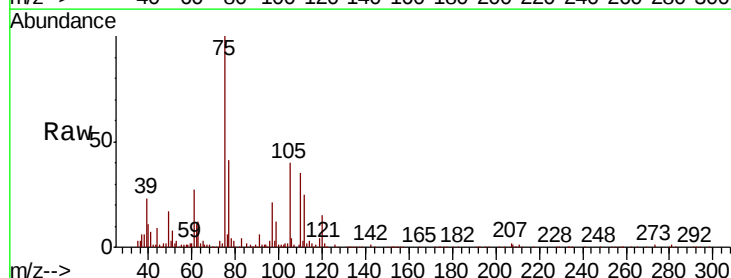
Acq: 23 May 2019 13:05

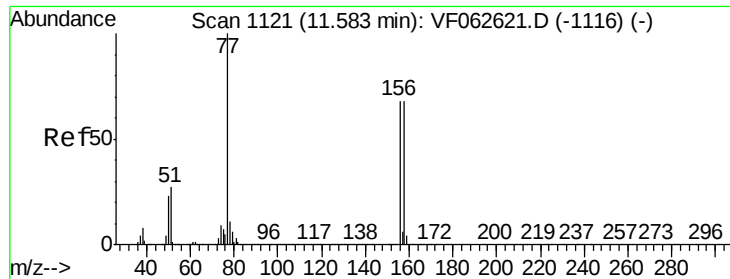
Tgt Ion: 75 Resp: 103901

Ion Ratio Lower Upper

75 100

77 41.2 20.6 61.8





#77

Bromobenzene

Concen: 21.013 ug/l

RT: 11.58 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0523SBS01

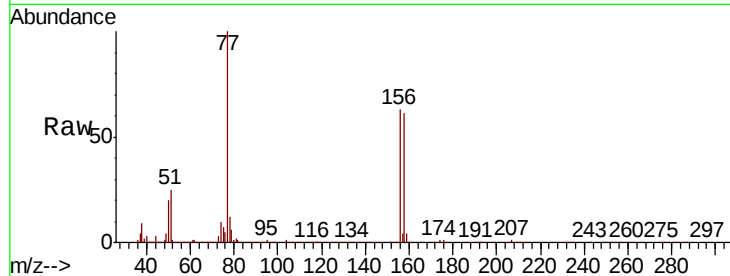
Tot Ion:156 Resp: 184749

Ion Ratio Lower Upper

156 100

77 157.5 73.6 220.8

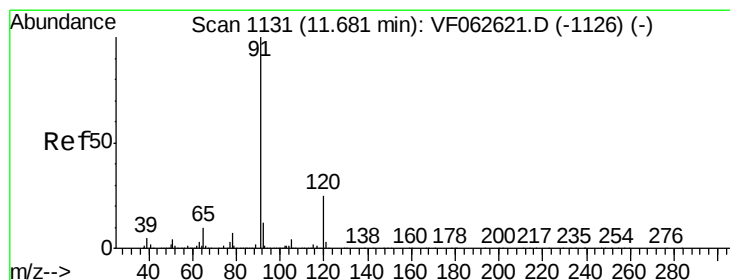
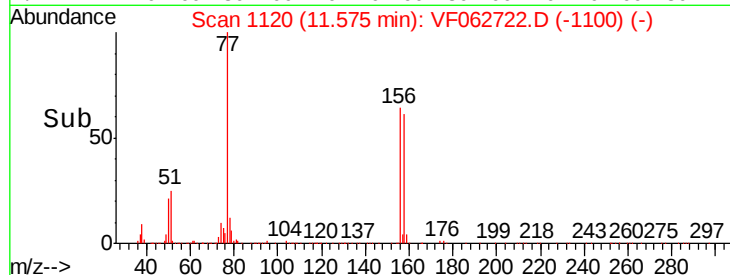
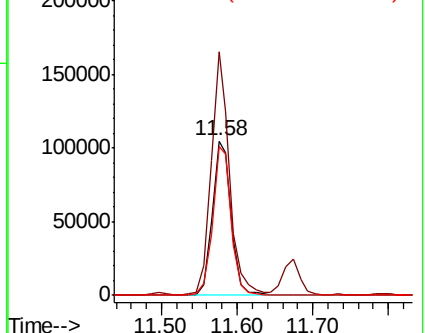
158 96.1 49.6 148.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 22.930 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF062722.D

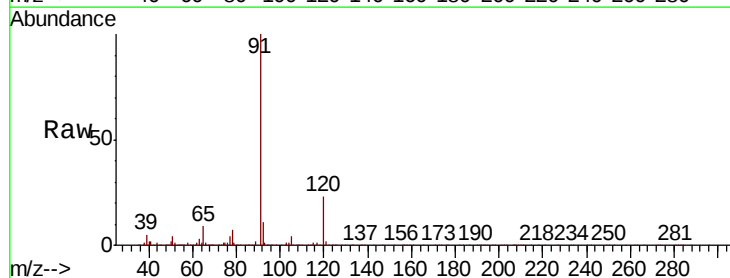
Acq: 23 May 2019 13:05

Tgt Ion: 91 Resp: 959876

Ion Ratio Lower Upper

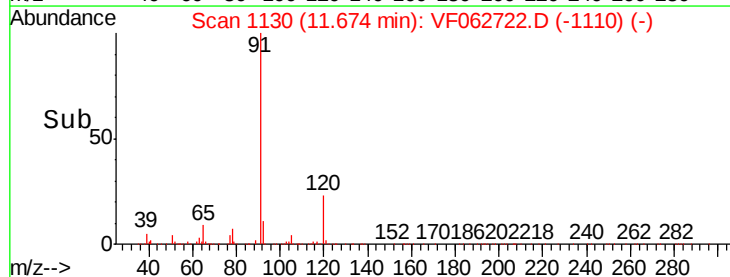
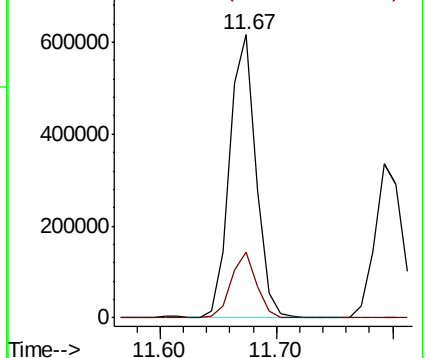
91 100

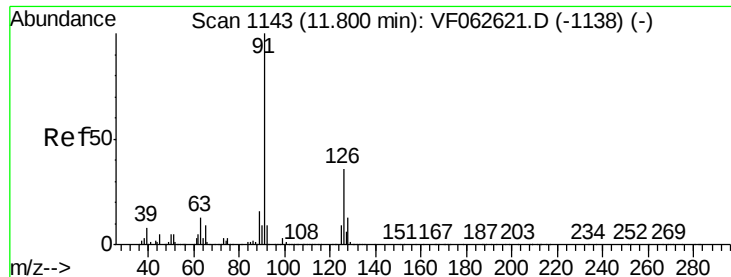
120 23.1 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.739 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

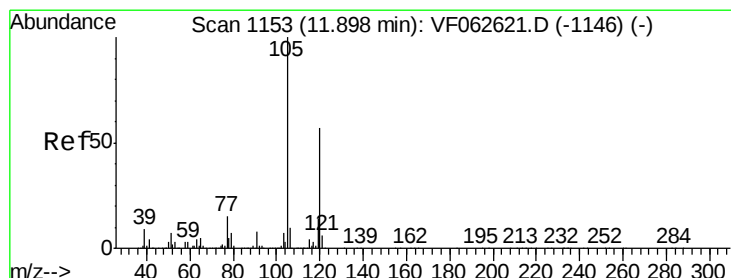
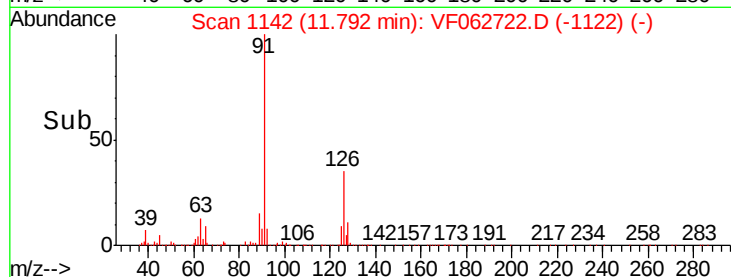
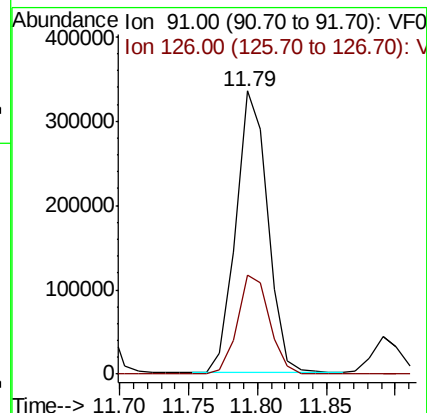
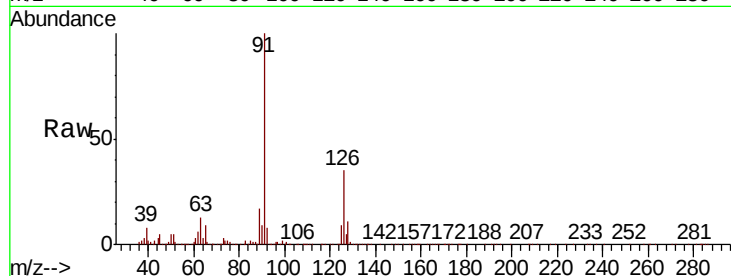
VF0523SBSD01

Tot Ion: 91 Resp: 536449

Ion Ratio Lower Upper

91 100

126 34.8 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 23.448 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.01 min

Lab File: VF062722.D

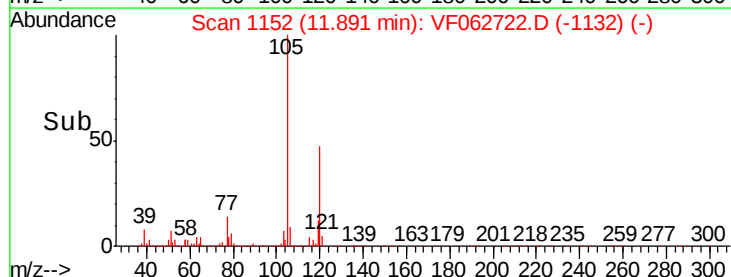
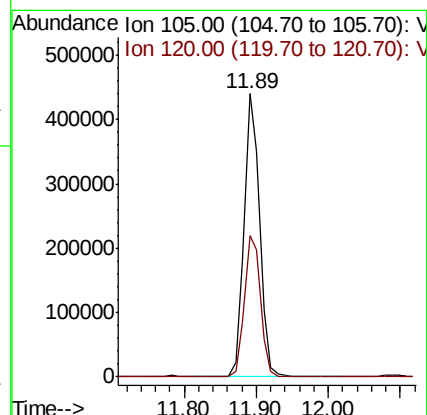
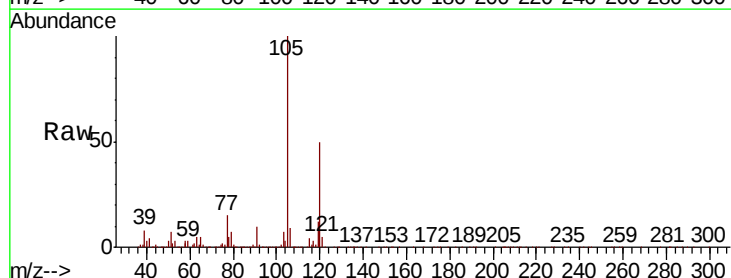
Acq: 23 May 2019 13:05

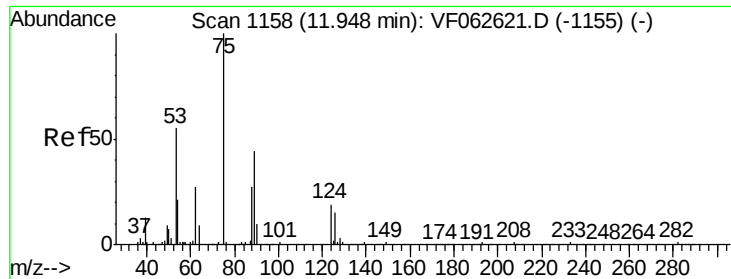
Tgt Ion:105 Resp: 665055

Ion Ratio Lower Upper

105 100

120 49.9 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 28.069 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0523SBS01

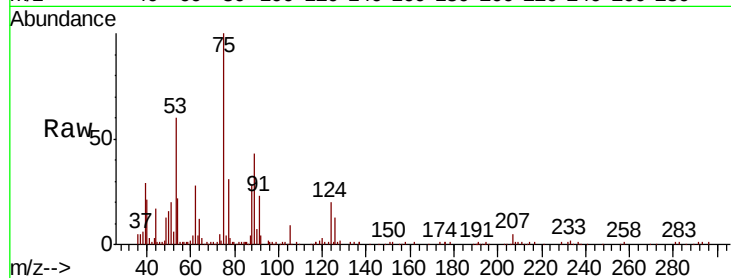
Tot Ion: 75 Resp: 59262

Ion Ratio Lower Upper

75 100

53 60.1 46.9 70.3

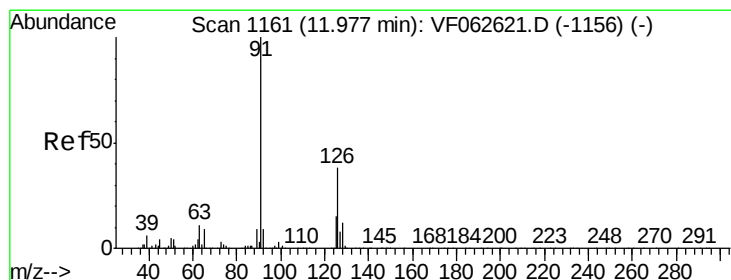
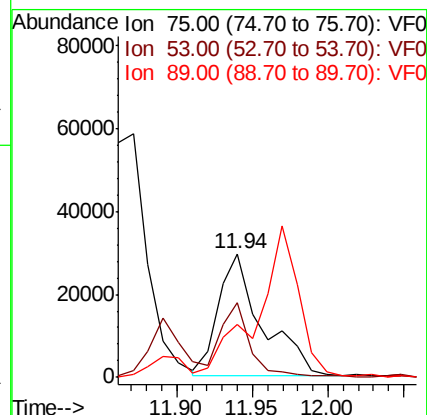
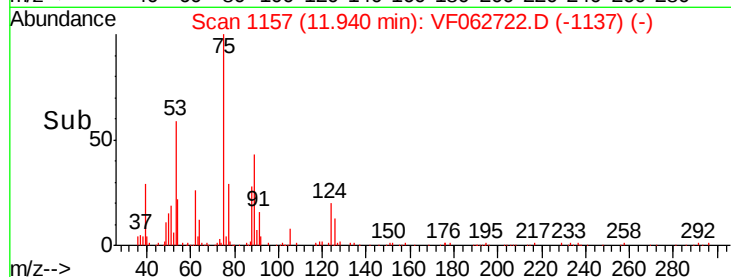
89 43.1 36.4 54.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 22.759 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. -0.01 min

Lab File: VF062722.D

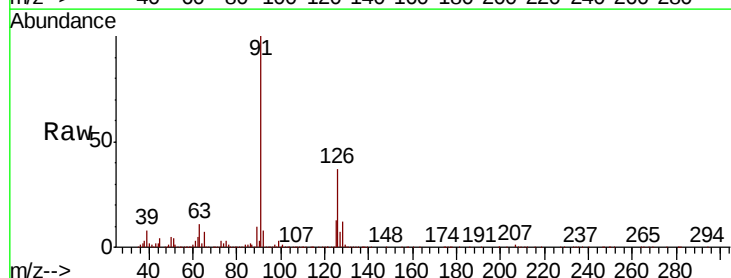
Acq: 23 May 2019 13:05

Tgt Ion: 91 Resp: 529466

Ion Ratio Lower Upper

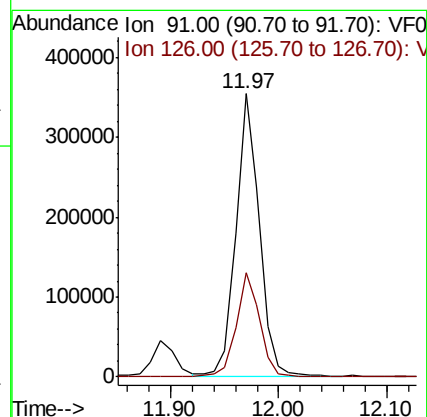
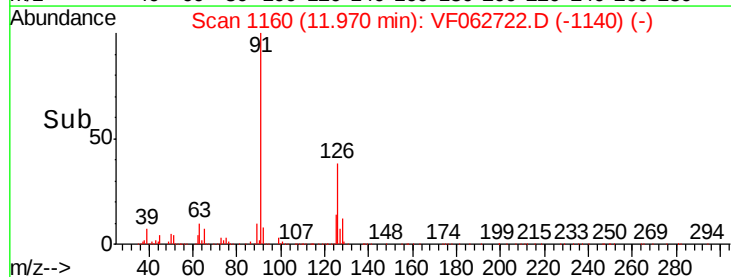
91 100

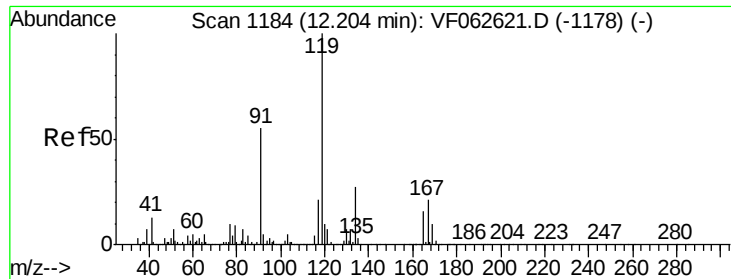
126 37.0 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 20.794 ug/l

RT: 12.20 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0523SBS01

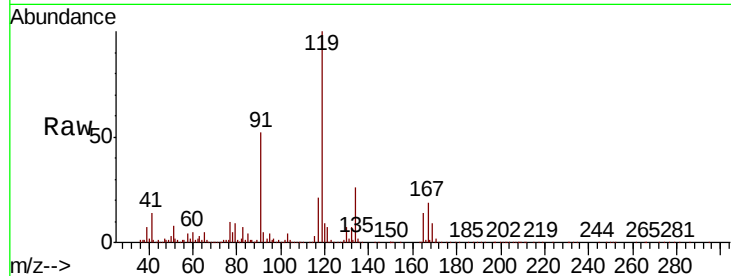
Tot Ion:119 Resp: 598348

Ion Ratio Lower Upper

119 100

91 52.0 27.3 81.9

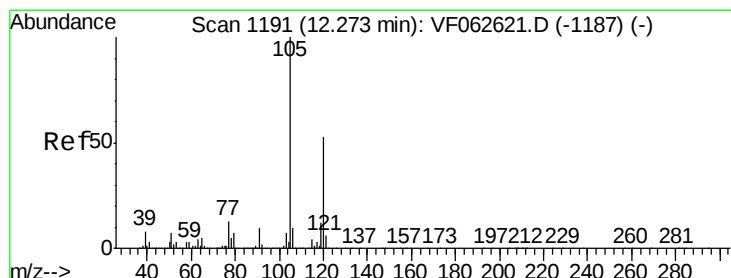
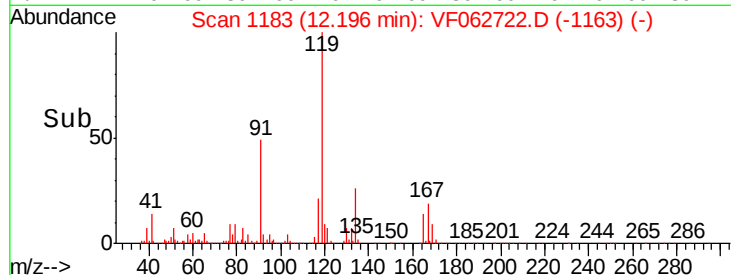
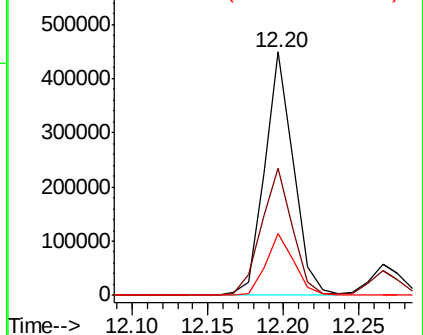
134 25.6 13.6 40.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 23.753 ug/l

RT: 12.27 min Scan# 1190

Delta R.T. -0.01 min

Lab File: VF062722.D

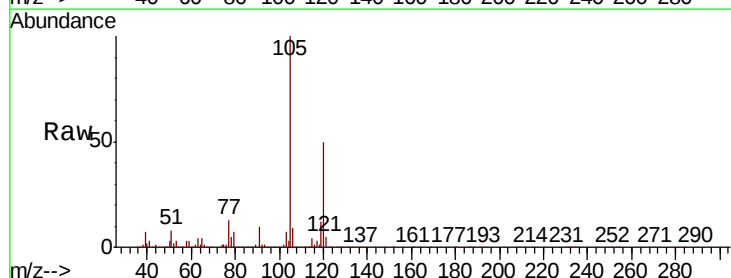
Acq: 23 May 2019 13:05

Tgt Ion:105 Resp: 652059

Ion Ratio Lower Upper

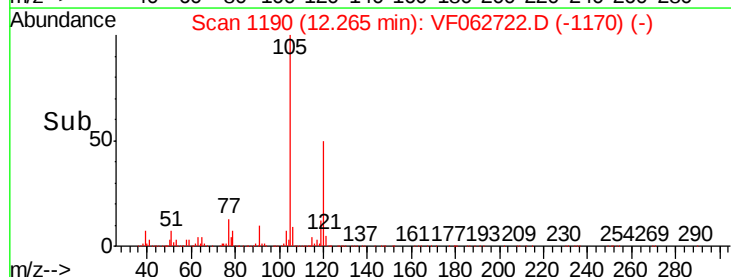
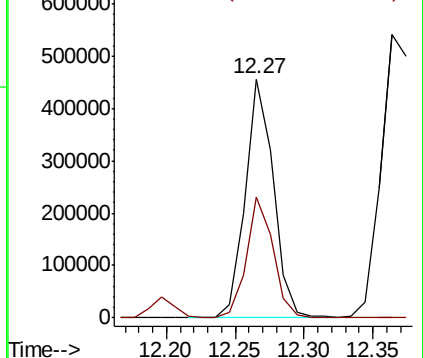
105 100

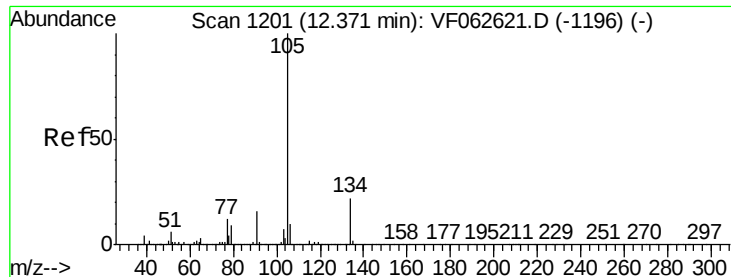
120 50.4 26.7 80.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 22.564 ug/l

RT: 12.36 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

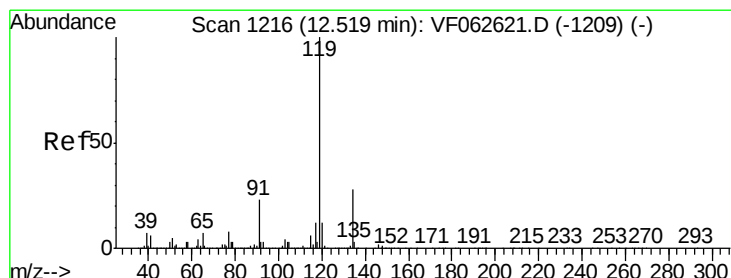
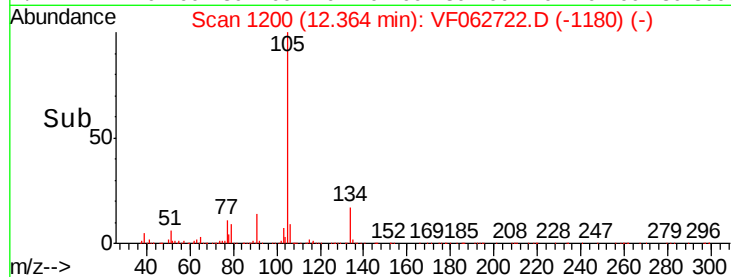
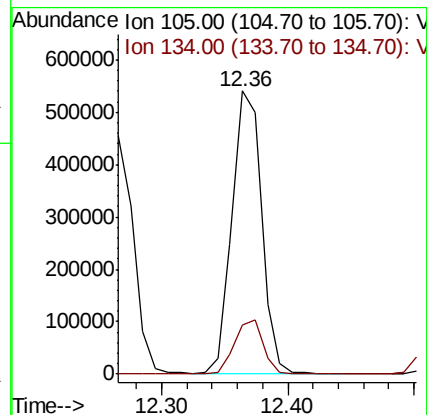
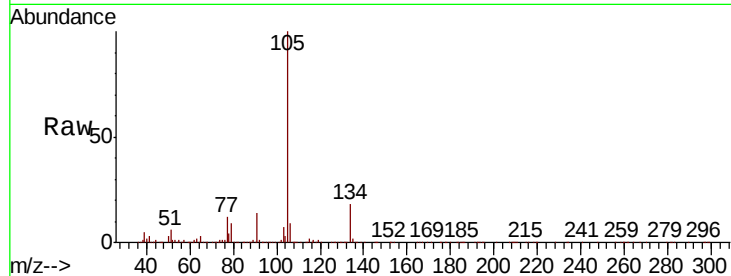
VF0523SBS01

Tot Ion:105 Resp: 871377

Ion Ratio Lower Upper

105 100

134 17.6 10.8 32.4



#86

p-Isopropyltoluene

Concen: 22.926 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

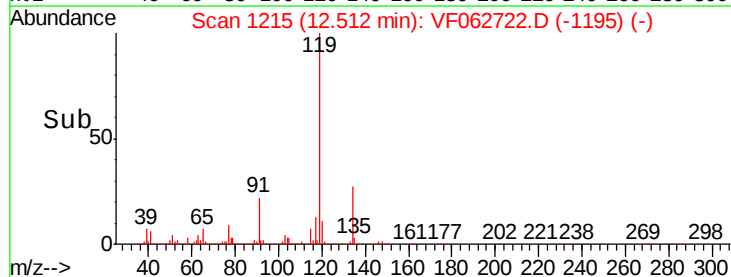
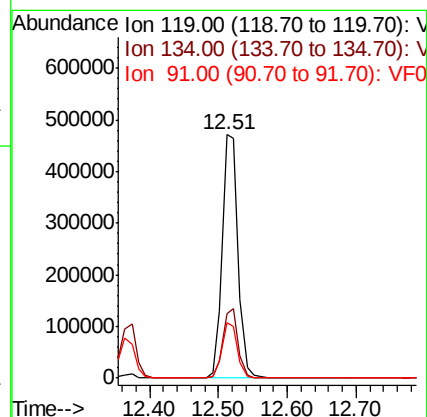
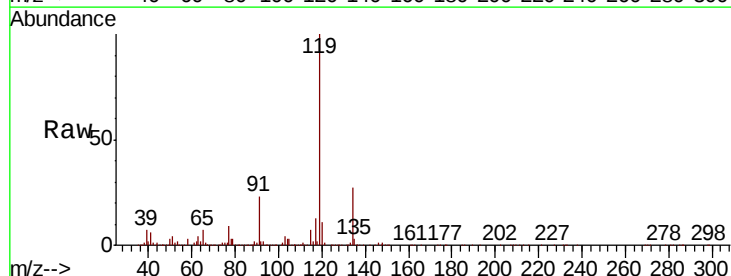
Tgt Ion:119 Resp: 746115

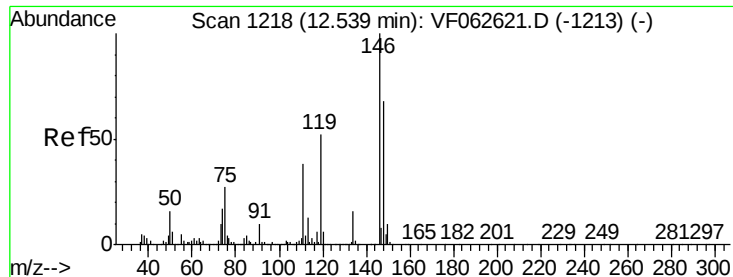
Ion Ratio Lower Upper

119 100

134 26.6 14.1 42.3

91 22.6 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 22.661 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

Instrument :

MSVOA_F

ClientSampleId :

VF0523SBS01

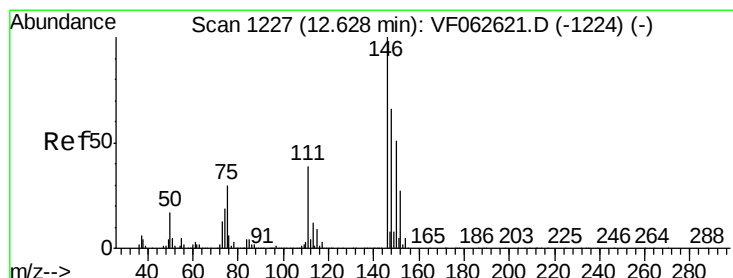
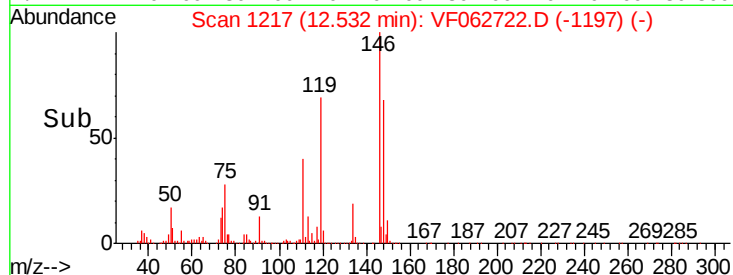
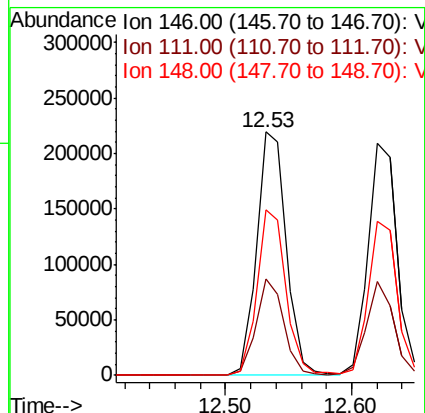
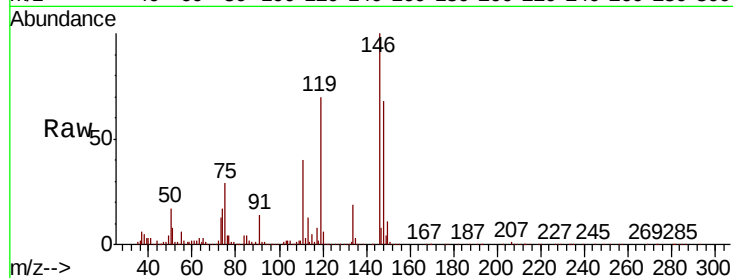
Tot Ion:146 Resp: 360466

Ion Ratio Lower Upper

146 100

111 39.7 18.9 56.9

148 68.0 34.0 101.8



#88

1,4-Dichlorobenzene

Concen: 22.711 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

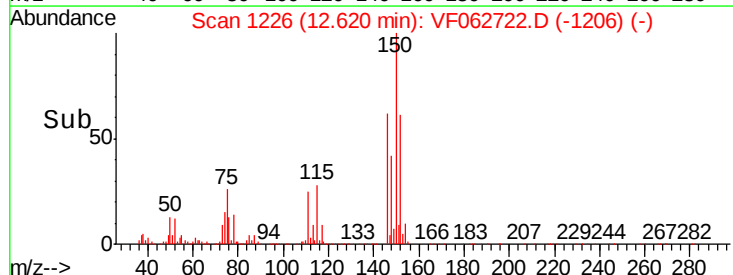
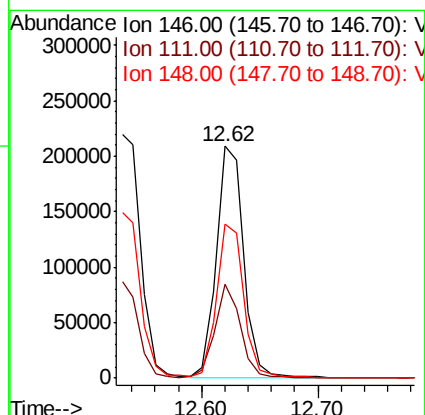
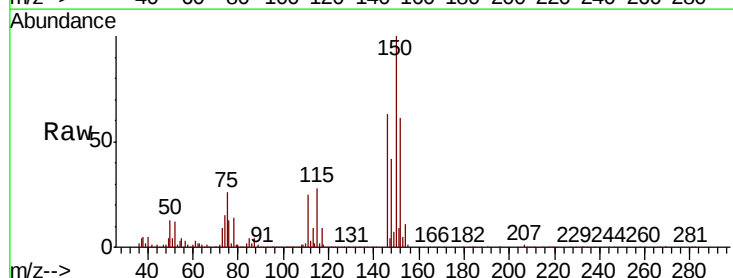
Tgt Ion:146 Resp: 339018

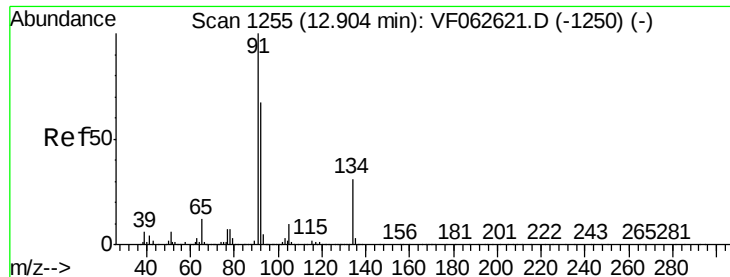
Ion Ratio Lower Upper

146 100

111 40.4 19.4 58.2

148 66.7 33.2 99.6

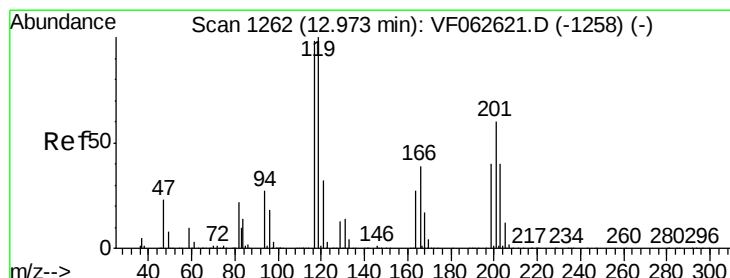
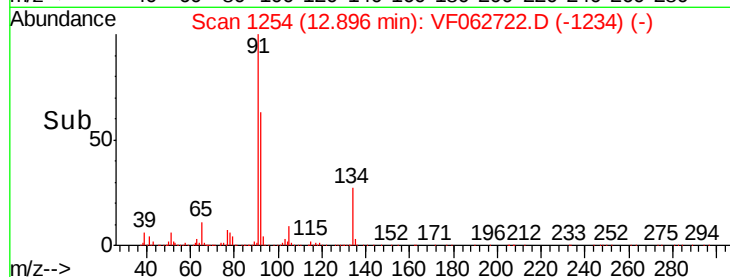
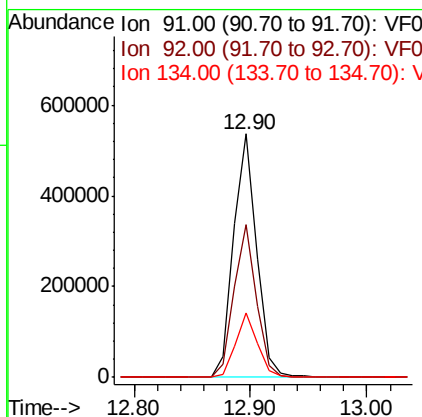
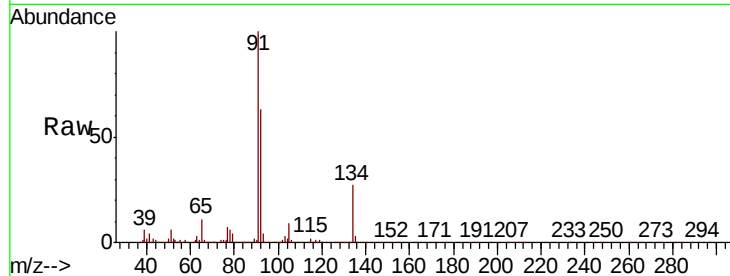




#89
n-Butylbenzene
Concen: 22.917 ug/l
RT: 12.90 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

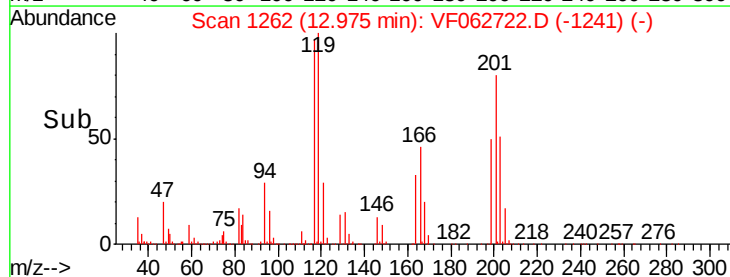
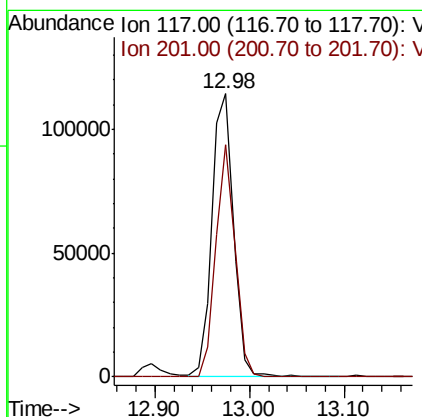
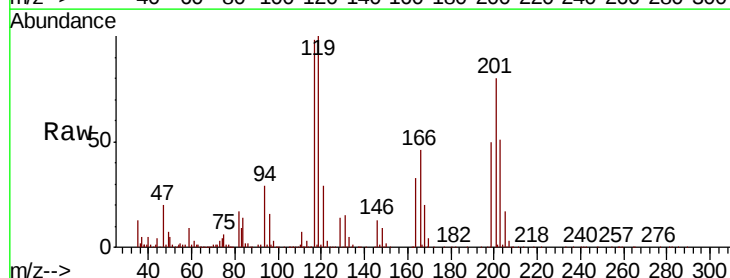
Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

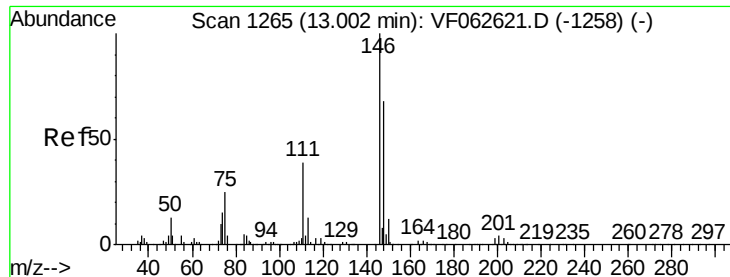
Tot Ion: 91 Resp: 735366
Ion Ratio Lower Upper
91 100
92 62.6 33.3 99.8
134 26.7 15.4 46.4



#90
Hexachloroethane
Concen: 23.259 ug/l
RT: 12.98 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Tgt Ion: 117 Resp: 181588
Ion Ratio Lower Upper
117 100
201 83.6 30.7 92.1





#91

1,2-Dichlorobenzene

Concen: 21.954 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

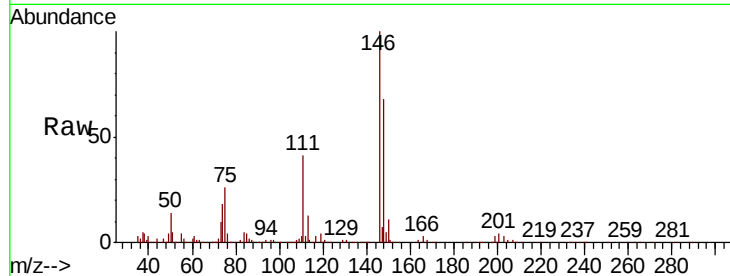
Instrument :

MSVOA_F

ClientSampleId :

VF0523SBS01

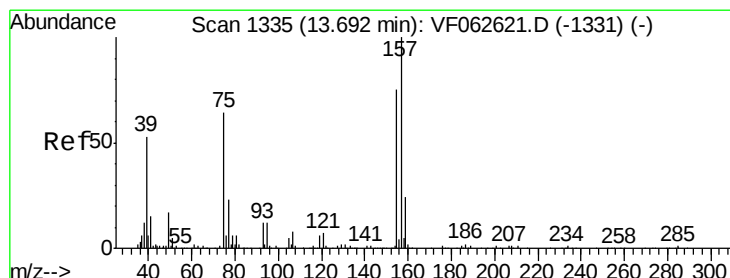
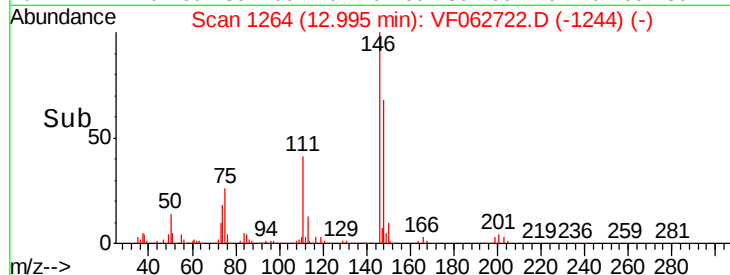
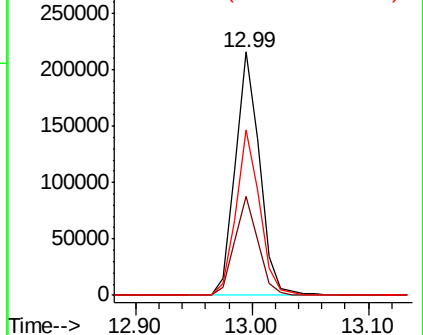
Tot Ion:	146	Resp:	311297
Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.8	59.3
148	67.8	34.1	102.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 24.465 ug/l

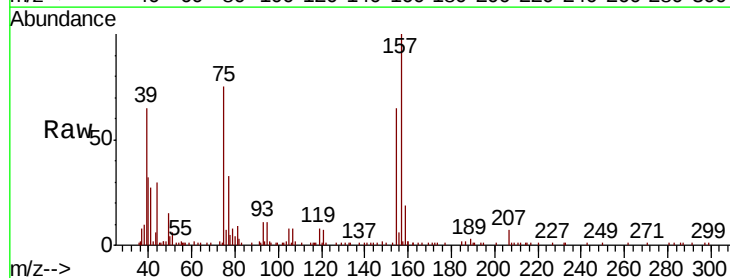
RT: 13.68 min Scan# 1334

Delta R.T. -0.01 min

Lab File: VF062722.D

Acq: 23 May 2019 13:05

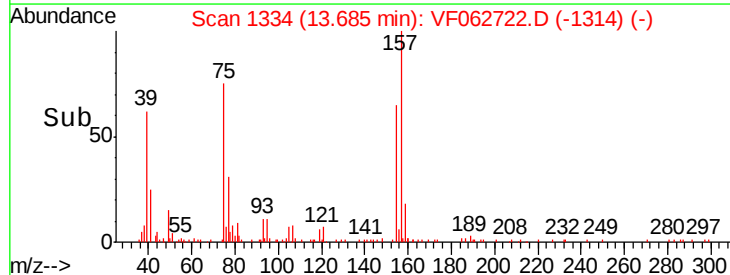
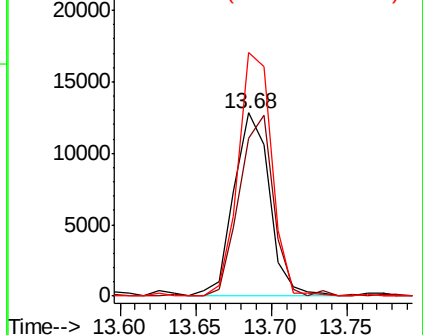
Tgt Ion:	75	Resp:	21098
Ion	Ratio	Lower	Upper
75	100		
155	86.3	58.1	174.3
157	135.6	77.8	233.4

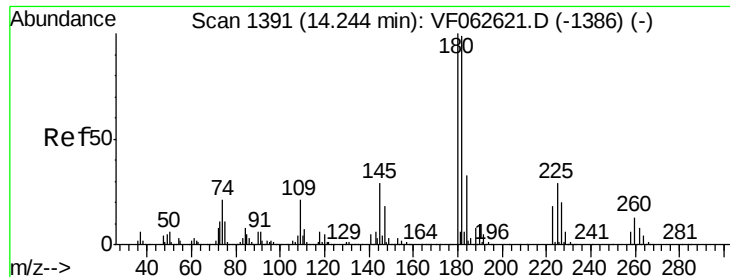


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

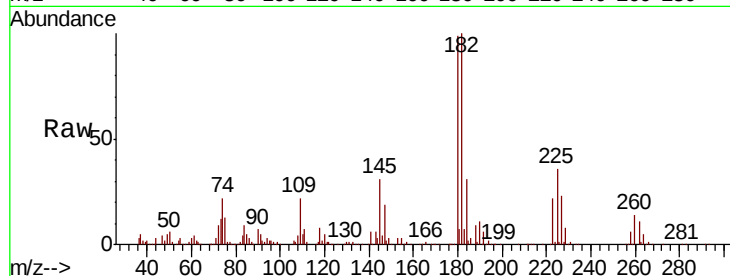




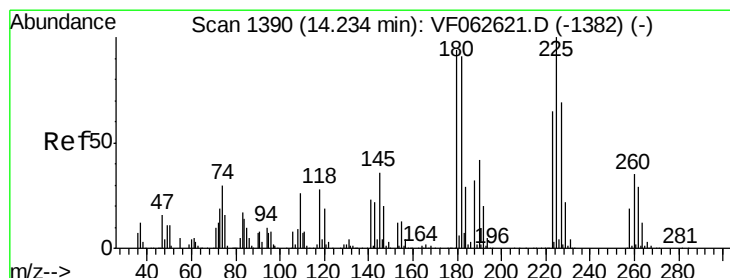
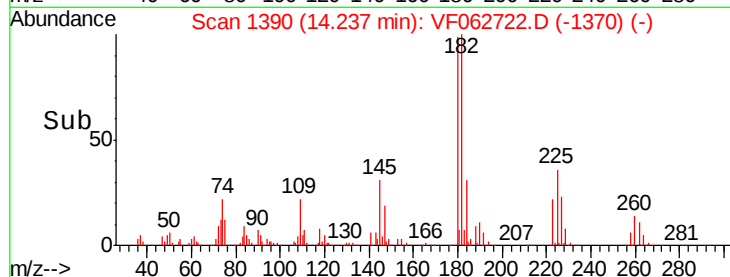
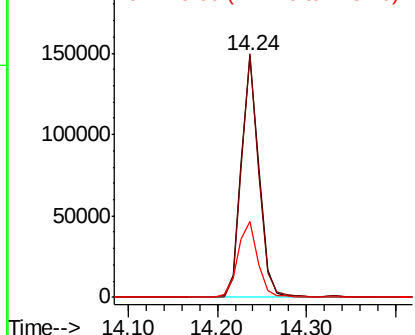
#93
 1,2,4-Trichlorobenzene
 Concen: 20.314 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VF062722.D
 Acq: 23 May 2019 13:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0523SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.8	49.7	149.1
145	31.3	14.6	44.0

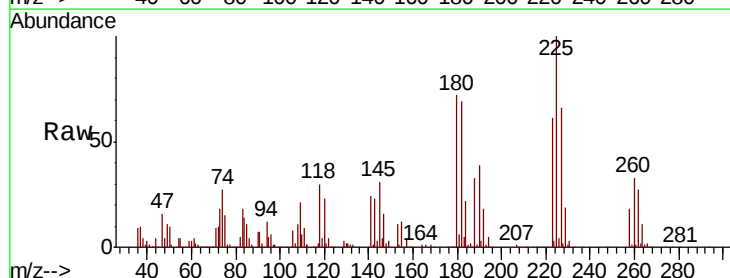


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

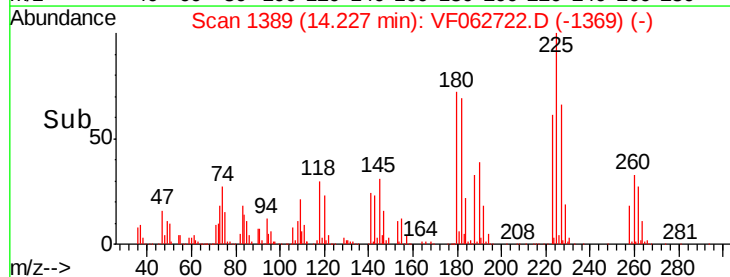
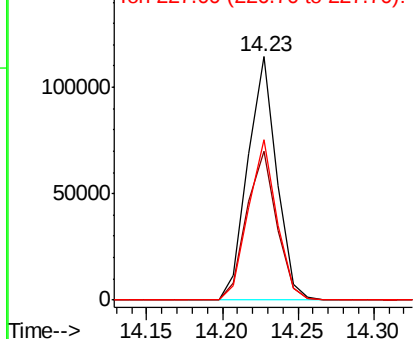


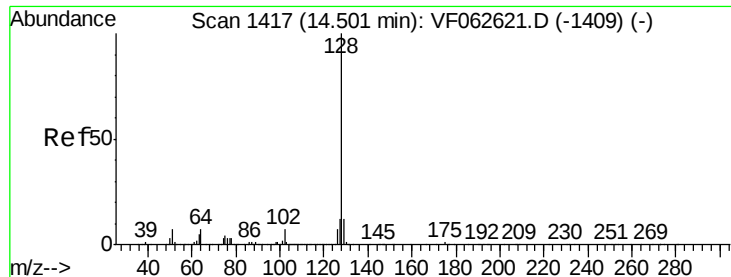
#94
 Hexachlorobutadiene
 Concen: 21.548 ug/l
 RT: 14.23 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VF062722.D
 Acq: 23 May 2019 13:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	32.5	97.4
227	65.7	34.5	103.5



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

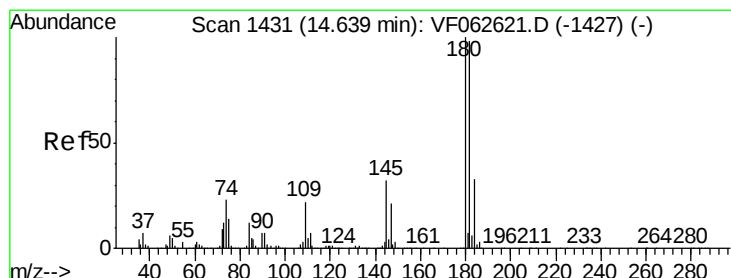
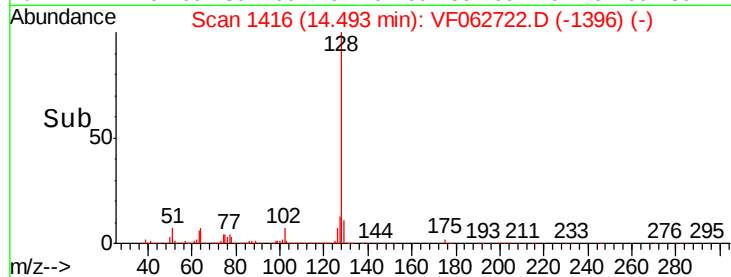
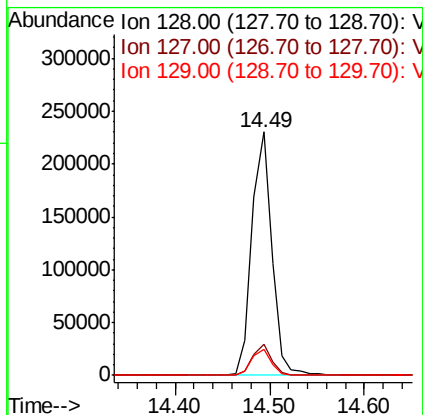
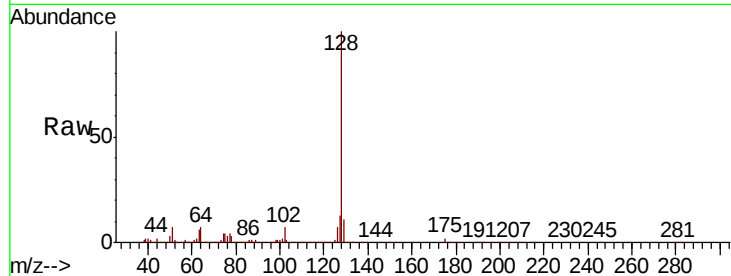




#95
Naphthalene
Concen: 18.352 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. -0.01 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Instrument :
MSVOA_F
ClientSampleId :
VF0523SBS01

Tot Ion:128 Resp: 338400
Ion Ratio Lower Upper
128 100
127 13.0 9.7 14.5
129 10.6 9.3 13.9



#96
1,2,3-Trichlorobenzene
Concen: 20.124 ug/l
RT: 14.63 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VF062722.D
Acq: 23 May 2019 13:05

Tgt Ion:180 Resp: 193472
Ion Ratio Lower Upper
180 100
182 96.5 48.9 146.7
145 32.2 16.1 48.2

