

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF042319\
 Data File : VF062262.D
 Acq On : 23 Apr 2019 14:27
 Operator : FY/SY
 Sample : VF0423SBS01
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0423SBS01

Quant Time: Apr 23 14:50:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 23:52:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	387662	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.78	114	541235	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.91	117	427721	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	261627	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	186600	52.49	ug/l	0.02
Spiked Amount	50.000		Recovery	=	104.98%	
35) Dibromofluoromethane	4.31	113	240280	50.75	ug/l	0.02
Spiked Amount	50.000		Recovery	=	101.50%	
50) Toluene-d8	7.72	98	585019	48.82	ug/l	0.02
Spiked Amount	50.000		Recovery	=	97.64%	
62) 4-Bromofluorobenzene	11.50	95	244851	53.11	ug/l	0.02
Spiked Amount	50.000		Recovery	=	106.22%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.00	85	124983	21.215	ug/l	98
3) Chloromethane	1.14	50	104027	17.084	ug/l	90
4) Vinyl Chloride	1.19	62	98412	18.812	ug/l	98
5) Bromomethane	1.39	94	58629	19.292	ug/l	89
6) Chloroethane	1.44	64	41336	18.901	ug/l	95
7) Trichlorofluoromethane	1.56	101	150250	22.607	ug/l	95
8) Diethyl Ether	1.71	74	25872	18.704	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.90	101	93266	20.542	ug/l	96
10) Methyl Iodide	1.98	142	167010	20.706	ug/l #	87
11) Tert butyl alcohol	2.70	59	23923	96.820	ug/l	97
12) 1,1-Dichloroethene	1.87	96	82530	19.111	ug/l	87
13) Acrolein	2.10	56	11904	86.633	ug/l	86
14) Allyl chloride	2.20	41	140324	28.314	ug/l	93
15) Acrylonitrile	3.09	53	68221	90.650	ug/l	99
16) Acetone	2.35	43	84544	99.504	ug/l	91
17) Carbon Disulfide	1.92	76	218930	18.244	ug/l	97
18) Methyl Acetate	2.46	43	42326	19.573	ug/l	97
19) Methyl tert-butyl Ether	2.55	73	161662	21.203	ug/l	98
20) Methylene Chloride	2.32	84	97393	19.522	ug/l	96
21) trans-1,2-Dichloroethene	2.42	96	79279	18.564	ug/l	95
22) Diisopropyl ether	2.94	45	248947	19.637	ug/l	95
23) Vinyl Acetate	3.35	43	563706	93.328	ug/l	99
24) 1,1-Dichloroethane	3.01	63	145191	20.936	ug/l	99
25) 2-Butanone	4.53	43	148406	87.353	ug/l	99
26) 2,2-Dichloropropane	3.78	77	78476	22.414	ug/l	96
27) cis-1,2-Dichloroethene	3.65	96	105320	19.044	ug/l	97
28) Bromochloromethane	3.90	49	62961	18.953	ug/l #	86
29) Tetrahydrofuran	4.27	42	64404	83.751	ug/l	94
30) Chloroform	4.06	83	180541	21.183	ug/l	94
31) Cyclohexane	3.88	56	147925	17.799	ug/l	96
32) 1,1,1-Trichloroethane	4.29	97	142764	22.884	ug/l #	87
36) 1,1-Dichloropropene	4.48	75	132227	20.377	ug/l	99
37) Ethyl Acetate	4.31	43	54222	17.708	ug/l #	94
38) Carbon Tetrachloride	4.19	117	164143	28.578	ug/l	97

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 Sample : VF0423SBSD01
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0423SBSD01

Quant Time: Apr 23 14:50:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	147076	18.930	ug/l	92
40) Benzene	4.83	78	323653	19.015	ug/l	97
41) Methacrylonitrile	4.94	41	34963	19.795	ug/l	98
42) 1,2-Dichloroethane	5.13	62	98158	21.815	ug/l	99
43) Isopropyl Acetate	7.12	43	59710	18.540	ug/l #	95
44) Trichloroethene	5.68	130	101438	22.055	ug/l	98
45) 1,2-Dichloropropane	6.41	63	70248	18.737	ug/l	97
46) Dibromomethane	6.27	93	51327	20.577	ug/l	89
47) Bromodichloromethane	6.55	83	120169	21.348	ug/l	97
48) Methyl methacrylate	6.88	41	39157	18.501	ug/l	97
49) 1,4-Dioxane	6.89	88	8643	356.074	ug/l #	91
51) 4-Methyl-2-Pentanone	8.41	43	226748	94.660	ug/l	100
52) Toluene	7.78	92	182003	20.286	ug/l	97
53) t-1,3-Dichloropropene	8.42	75	90076	21.305	ug/l	96
54) cis-1,3-Dichloropropene	7.46	75	118636	20.745	ug/l	91
55) 1,1,2-Trichloroethane	8.64	97	53333	21.219	ug/l	91
56) Ethyl methacrylate	8.76	69	61265	21.439	ug/l	99
57) 1,3-Dichloropropane	9.00	76	81614	20.109	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.45	63	68339	82.369	ug/l	94
59) 2-Hexanone	9.63	43	167268	112.053	ug/l	98
60) Dibromochloromethane	8.86	129	86576	23.161	ug/l	99
61) 1,2-Dibromoethane	9.13	107	63898	22.565	ug/l	98
64) Tetrachloroethene	8.31	164	85453	22.132	ug/l	97
65) Chlorobenzene	9.93	112	195743	21.462	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	93310	21.847	ug/l	98
67) Ethyl Benzene	10.03	91	354149	21.355	ug/l	97
68) m/p-Xylenes	10.26	106	258981	42.421	ug/l	96
69) o-Xylene	10.82	106	146888	21.671	ug/l	99
70) Styrene	10.89	104	203931	21.320	ug/l	98
71) Bromoform	10.88	173	53579	23.760	ug/l #	98
73) Isopropylbenzene	11.21	105	444659	19.786	ug/l	99
74) N-amyl acetate	11.45	43	105814	18.458	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	72180	18.675	ug/l	97
76) 1,2,3-Trichloropropane	11.87	75	49594	18.651	ug/l #	1
77) Bromobenzene	11.58	156	107599	22.350	ug/l	86
78) n-propylbenzene	11.68	91	455620	19.218	ug/l	99
79) 2-Chlorotoluene	11.80	91	280137	19.479	ug/l	96
80) 1,3,5-Trimethylbenzene	11.89	105	358505	19.153	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.94	75	31931	23.545	ug/l #	87
82) 4-Chlorotoluene	11.97	91	265953	19.136	ug/l	96
83) tert-Butylbenzene	12.20	119	388176	20.054	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	352448	19.458	ug/l	98
85) sec-Butylbenzene	12.37	105	463122	18.429	ug/l	100
86) p-Isopropyltoluene	12.53	119	430494	20.195	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	187240	20.958	ug/l	99
88) 1,4-Dichlorobenzene	12.62	146	183230	21.263	ug/l	96
89) n-Butylbenzene	12.90	91	393423	19.249	ug/l	98
90) Hexachloroethane	12.98	117	107113	19.567	ug/l	93
91) 1,2-Dichlorobenzene	13.00	146	180789	20.957	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	13310	17.528	ug/l	88

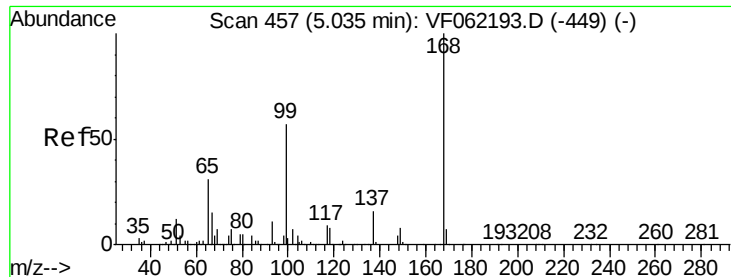
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF042319\
Data File : VF062262.D
Acq On : 23 Apr 2019 14:27
Operator : FY/SY
Sample : VF0423SBSD01
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Instrument :
MSVOA_F
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
Quant Title : SW846 8260
QLast Update : Fri Apr 19 23:52:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	152216	21.089	ug/l	97
94) Hexachlorobutadiene	14.23	225	106327	21.484	ug/l	99
95) Naphthalene	14.50	128	247952	19.647	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	147357	21.266	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 460

Delta R.T. 0.03 min

Lab File: VF062262.D

Acq: 23 Apr 2019 14:27

Instrument :

MSVOA_F

ClientSampleId :

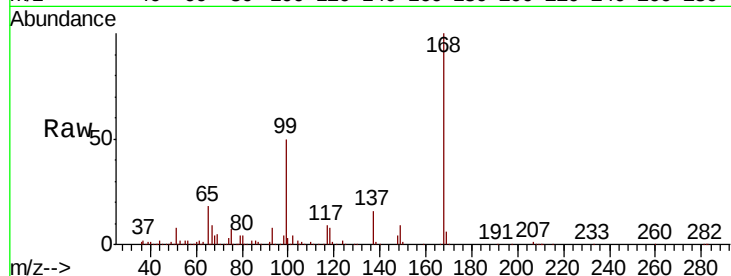
VF0423SBS01

Tgt Ion:168 Resp: 387662

Ion Ratio Lower Upper

168 100

99 50.0 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.06

150000

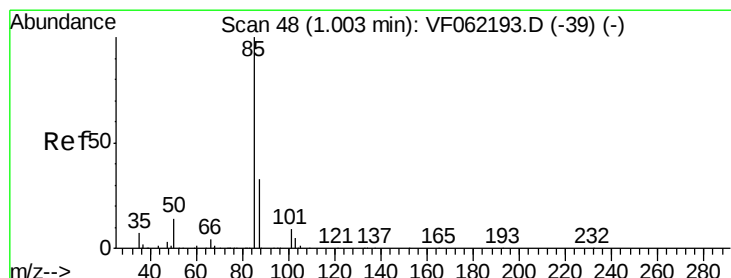
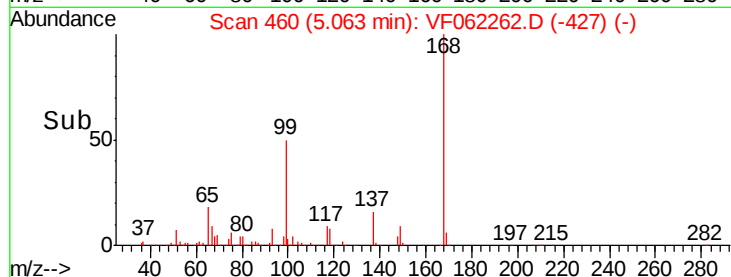
100000

50000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 21.215 ug/l

RT: 1.00 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062262.D

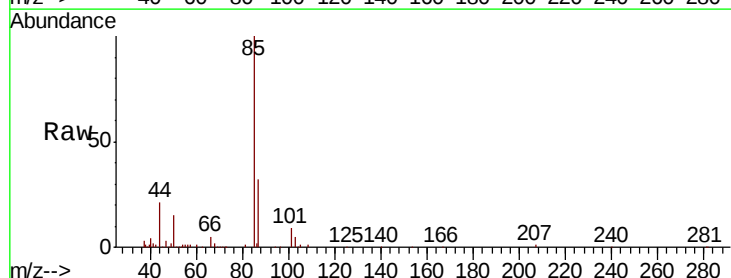
Acq: 23 Apr 2019 14:27

Tgt Ion: 85 Resp: 124983

Ion Ratio Lower Upper

85 100

87 31.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.00

40000

30000

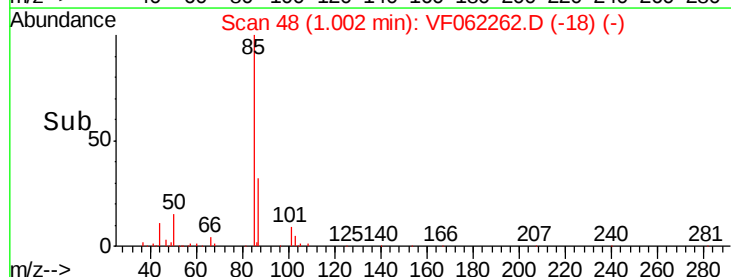
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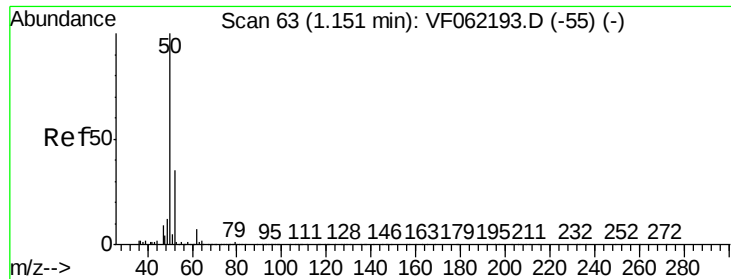
10000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 17.084 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062262.D

Acq: 23 Apr 2019 14:27

Instrument :

MSVOA_F

ClientSampleId :

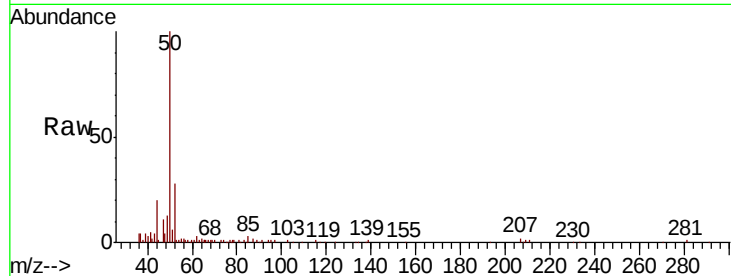
VF0423SBS01

Tgt Ion: 50 Resp: 104027

Ion Ratio Lower Upper

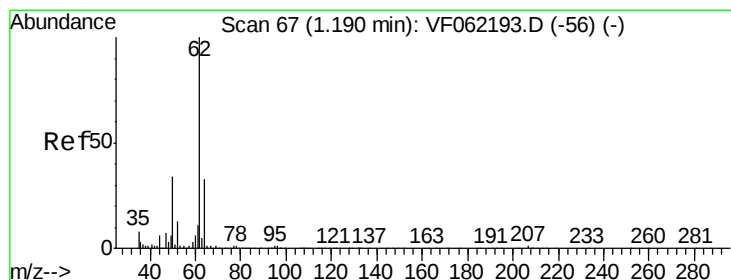
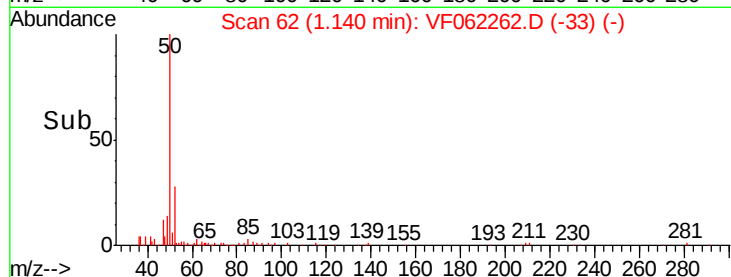
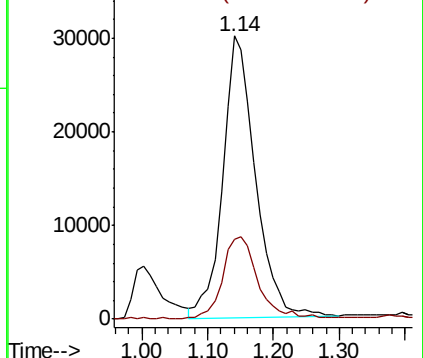
50 100

52 28.0 27.0 40.4



Abundance Ion 49.90 (49.60 to 50.60): VF0

Ion 51.90 (51.60 to 52.60): VF0



#4

Vinyl Chloride

Concen: 18.812 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062262.D

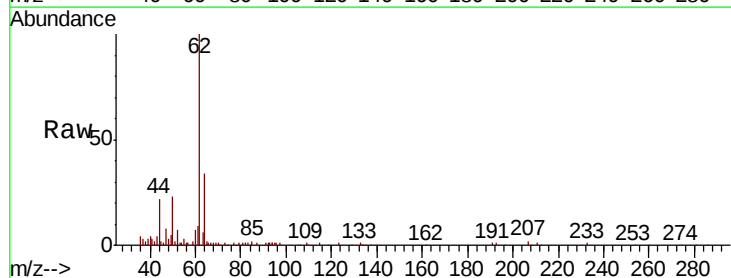
Acq: 23 Apr 2019 14:27

Tgt Ion: 62 Resp: 98412

Ion Ratio Lower Upper

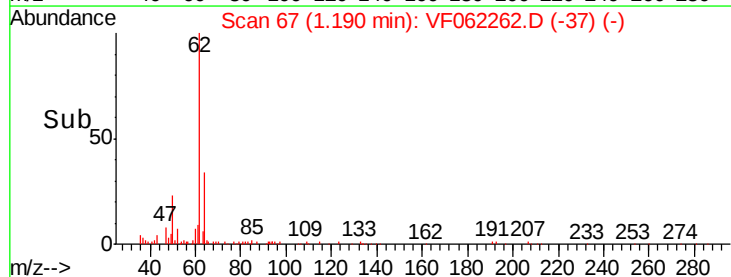
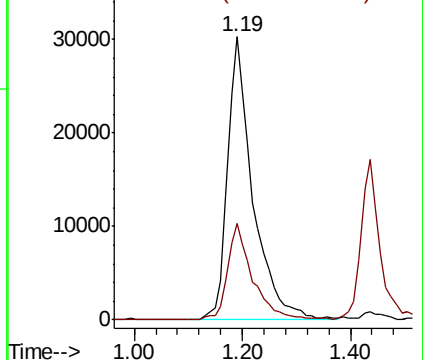
62 100

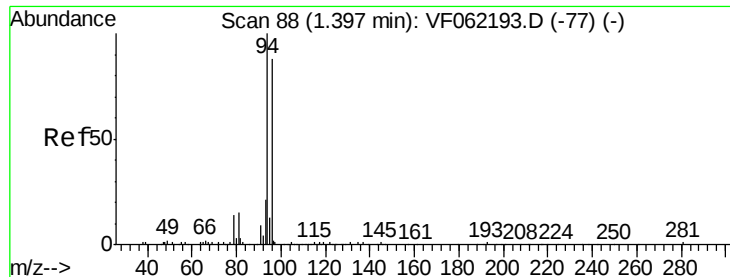
64 33.8 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 63.90 (63.60 to 64.60): VF0





#5

Bromomethane

Concen: 19.292 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062262.D

Acq: 23 Apr 2019 14:27

Instrument :

MSVOA_F

ClientSampleId :

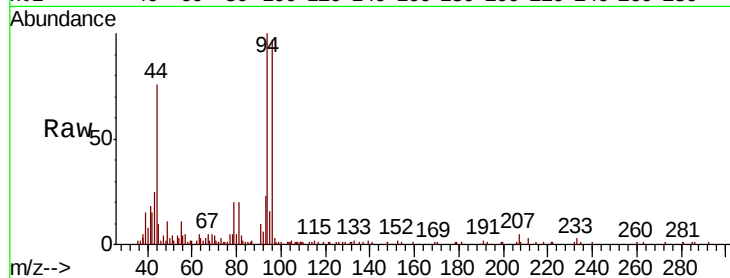
VF0423SBS01

Tgt Ion: 94 Resp: 58629

Ion Ratio Lower Upper

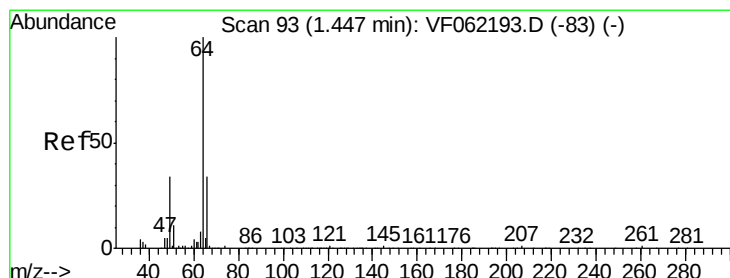
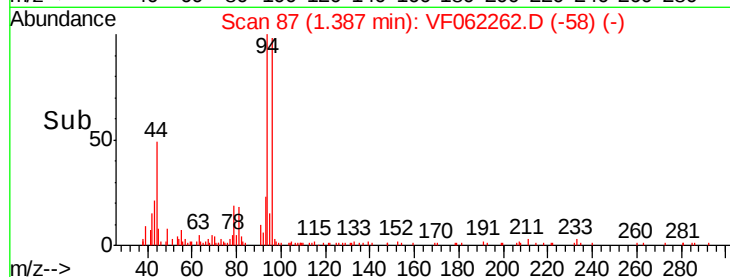
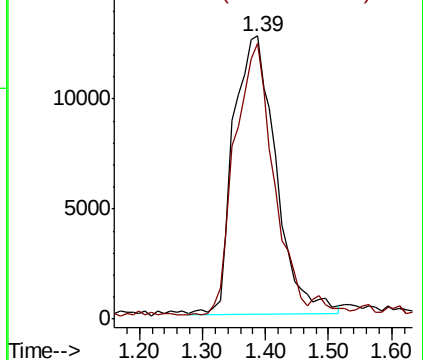
94 100

96 97.6 70.2 105.4



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0



#6

Chloroethane

Concen: 18.901 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.01 min

Lab File: VF062262.D

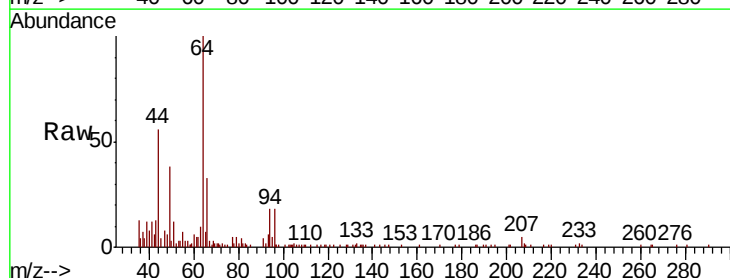
Acq: 23 Apr 2019 14:27

Tgt Ion: 64 Resp: 41336

Ion Ratio Lower Upper

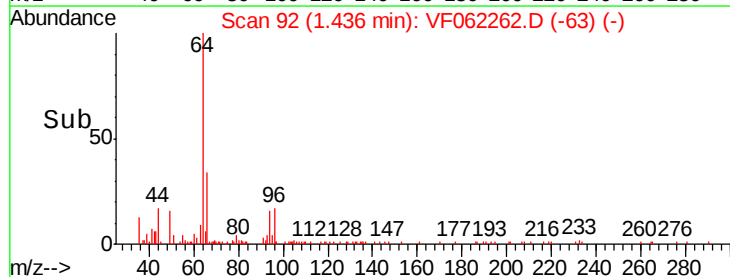
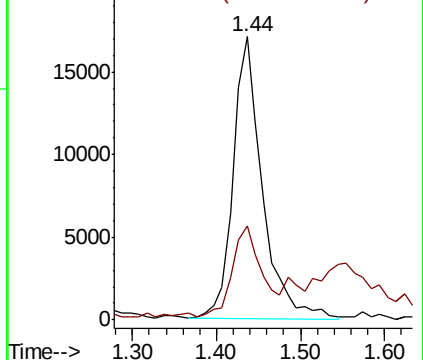
64 100

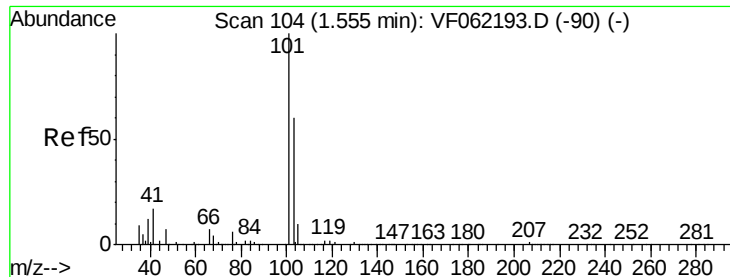
66 31.1 27.0 40.4



Abundance Ion 63.90 (63.60 to 64.60): VF0

Ion 65.90 (65.60 to 66.60): VF0



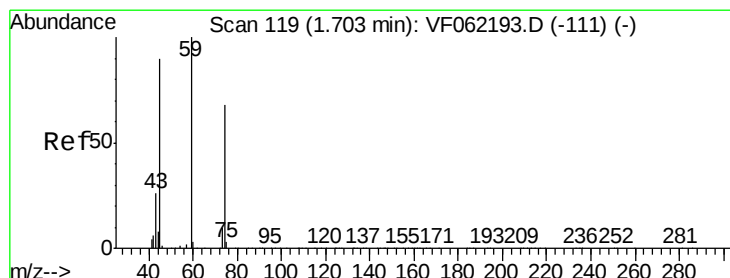
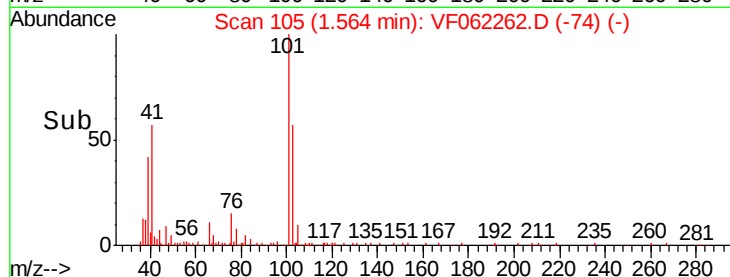
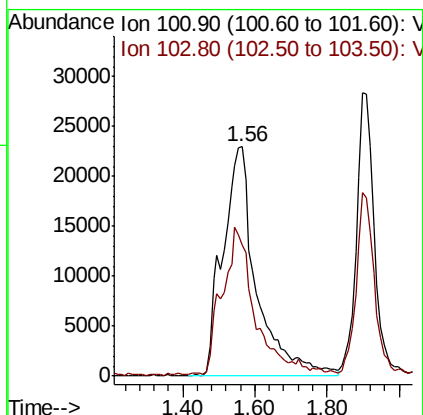
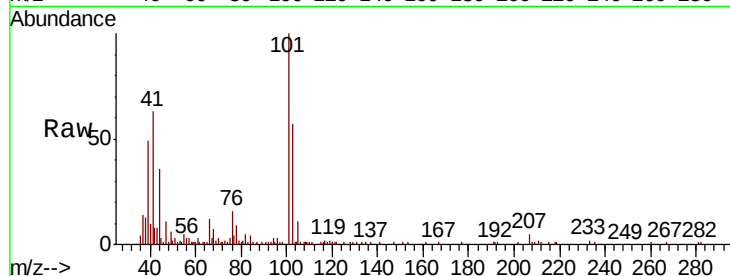


#7

Trichlorofluoromethane
Concen: 22.607 ug/l
RT: 1.56 min Scan# 105
Delta R.T. 0.01 min
Lab File: VF062262.D
Acq: 23 Apr 2019 14:27

Instrument :
MSVOA_F
ClientSampleId :
VF0423SBS01

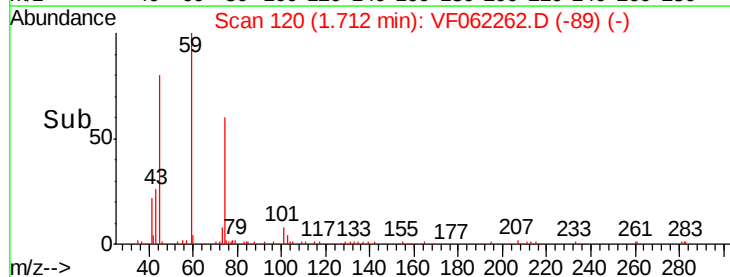
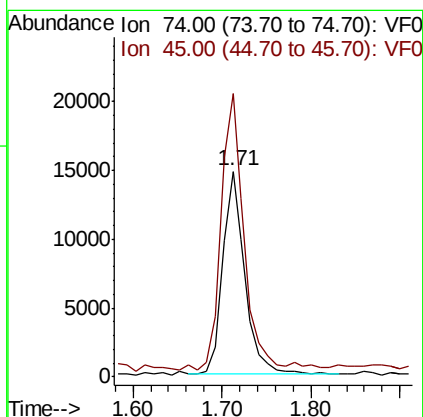
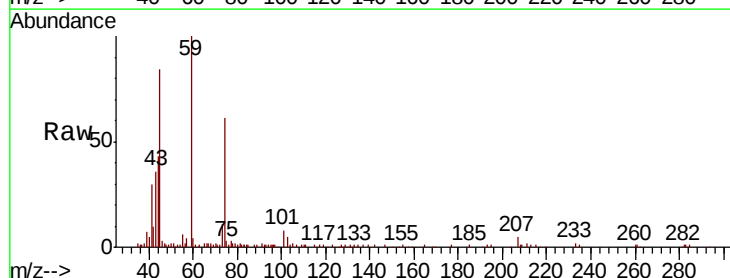
Tgt Ion:101 Resp: 150250
Ion Ratio Lower Upper
101 100
103 56.6 48.2 72.4

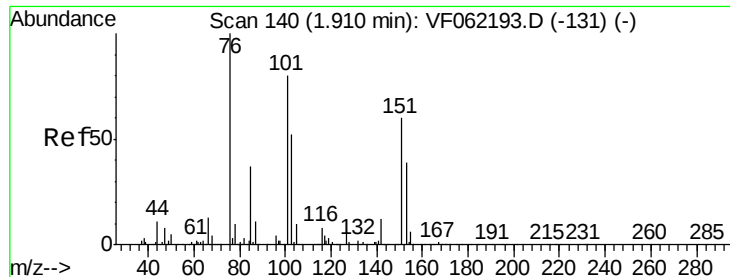


#8

Diethyl Ether
Concen: 18.704 ug/l
RT: 1.71 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF062262.D
Acq: 23 Apr 2019 14:27

Tgt Ion: 74 Resp: 25872
Ion Ratio Lower Upper
74 100
45 138.0 70.0 210.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.542 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062262.D

Acq: 23 Apr 2019 14:27

Instrument :

MSVOA_F

ClientSampleId :

VF0423SBS01

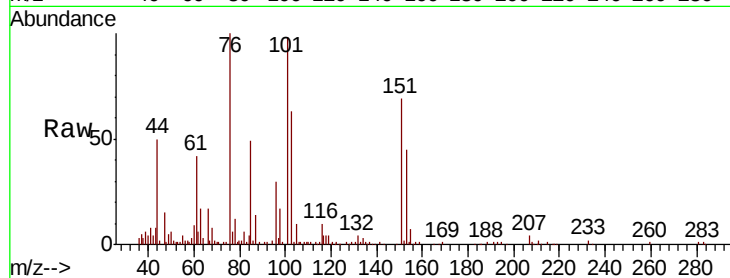
Tgt Ion:101 Resp: 93266

Ion Ratio Lower Upper

101 100

85 48.0 35.3 52.9

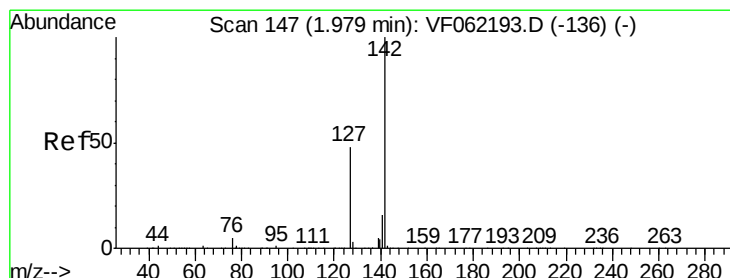
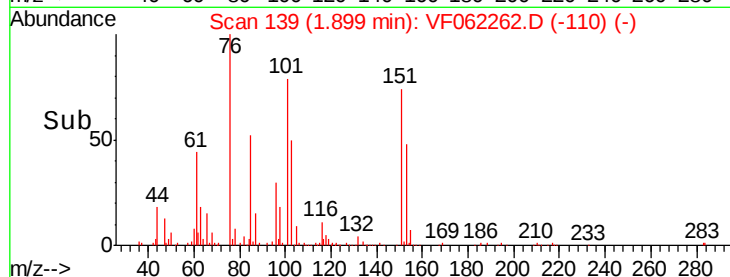
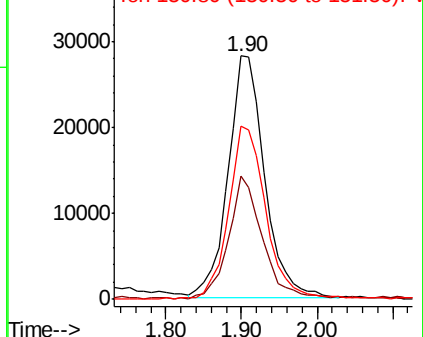
151 74.3 57.5 86.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VF0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.706 ug/l

RT: 1.98 min Scan# 147

Delta R.T. -0.00 min

Lab File: VF062262.D

Acq: 23 Apr 2019 14:27

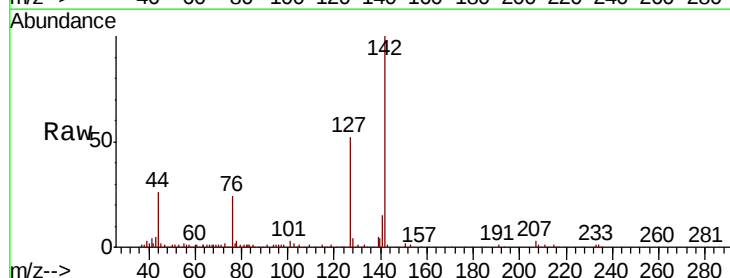
Tgt Ion:142 Resp: 167010

Ion Ratio Lower Upper

142 100

127 52.3 33.0 49.4#

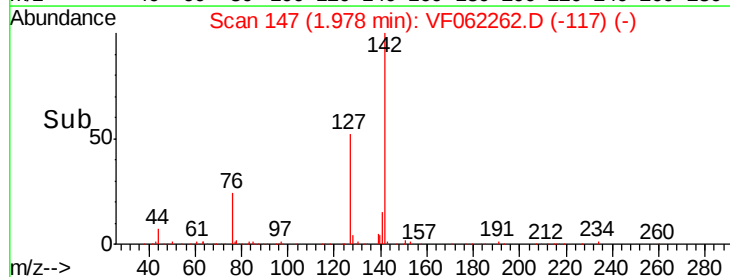
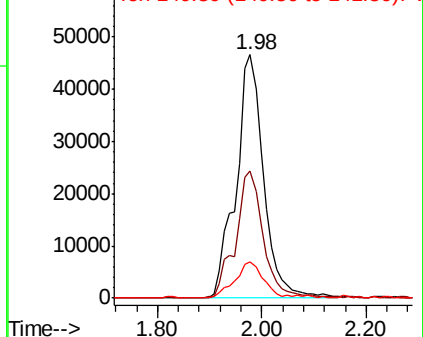
141 16.2 12.7 19.1

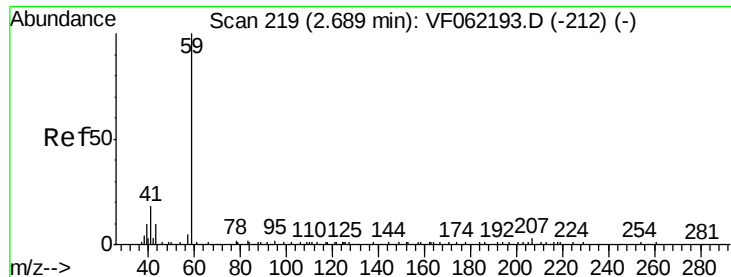


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

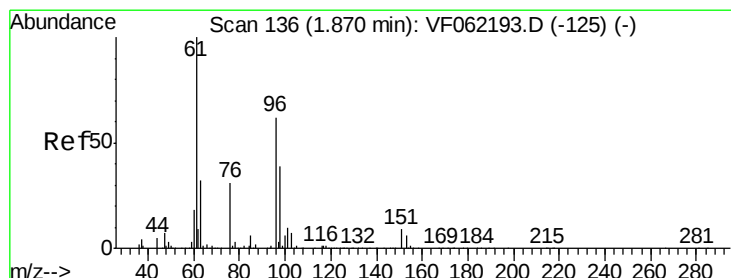
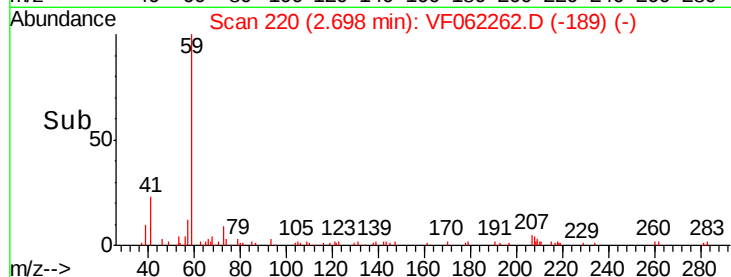
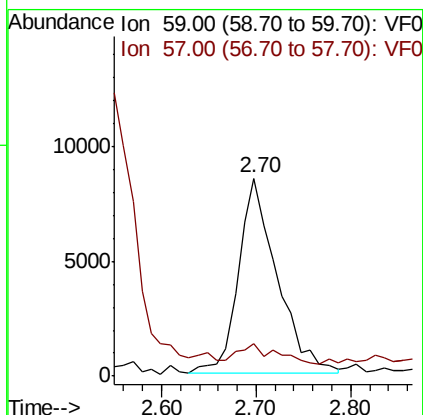
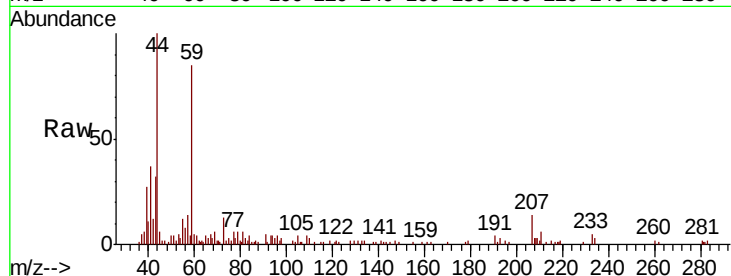




#11
Tert butyl alcohol
Concen: 96.820 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.01 min
Lab File: VF062262.D
Acq: 23 Apr 2019 14:27

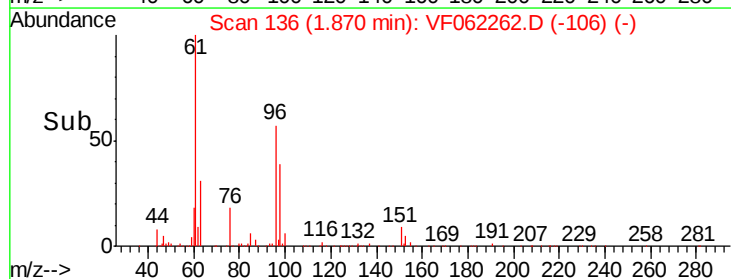
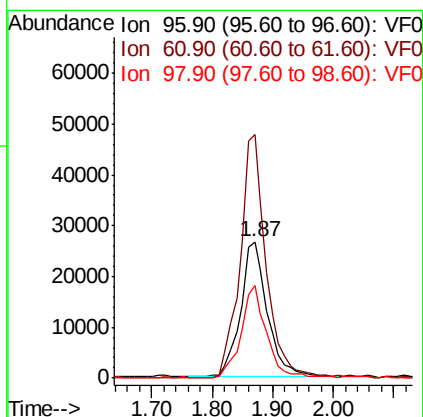
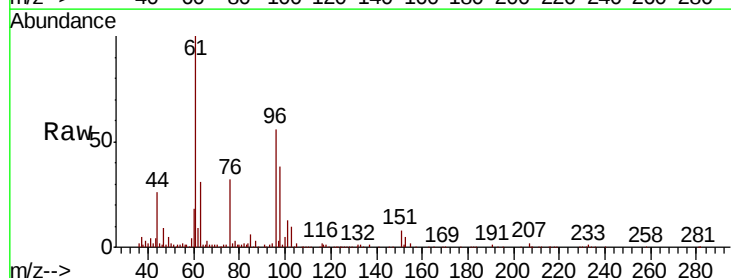
Instrument :
MSVOA_F
ClientSampleId :
VF0423SBS01

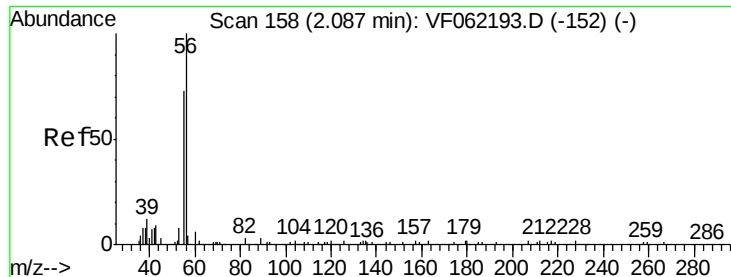
Tgt Ion: 59 Resp: 23923
Ion Ratio Lower Upper
59 100
57 10.5 9.3 13.9



#12
1,1-Dichloroethene
Concen: 19.111 ug/l
RT: 1.87 min Scan# 136
Delta R.T. -0.00 min
Lab File: VF062262.D
Acq: 23 Apr 2019 14:27

Tgt Ion: 96 Resp: 82530
Ion Ratio Lower Upper
96 100
61 181.3 129.1 193.7
98 68.7 50.0 75.0





#13

Acrolein

Concen: 86.633 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.01 min

Lab File: VF062262.D

Acq: 23 Apr 2019 14:27

Instrument :

MSVOA_F

ClientSampleId :

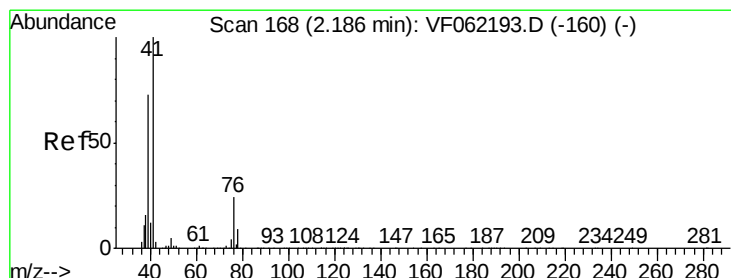
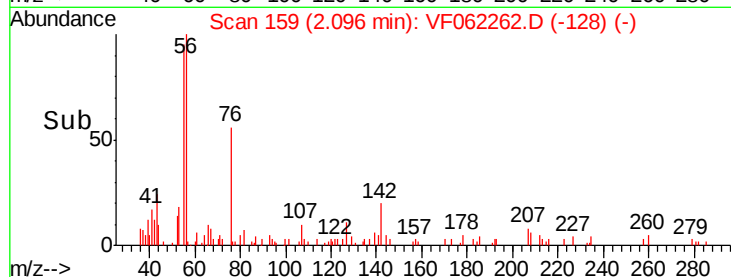
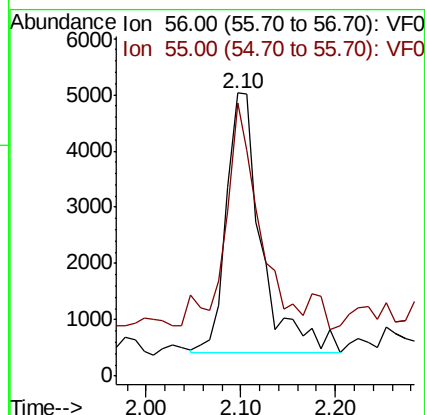
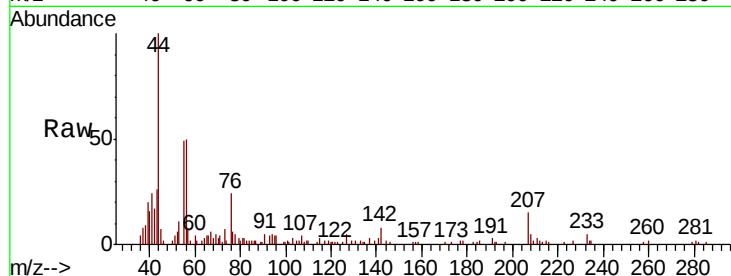
VF0423SBS01

Tgt Ion: 56 Resp: 11904

Ion Ratio Lower Upper

56 100

55 83.0 57.4 86.0



#14

Allyl chloride

Concen: 28.314 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.01 min

Lab File: VF062262.D

Acq: 23 Apr 2019 14:27

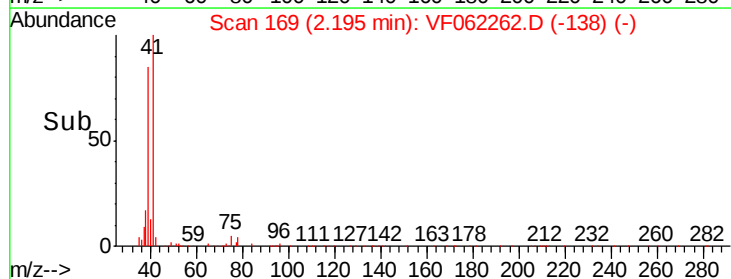
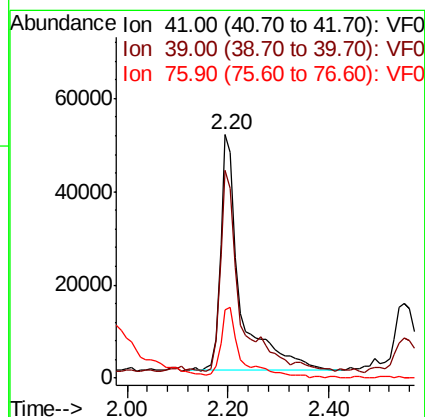
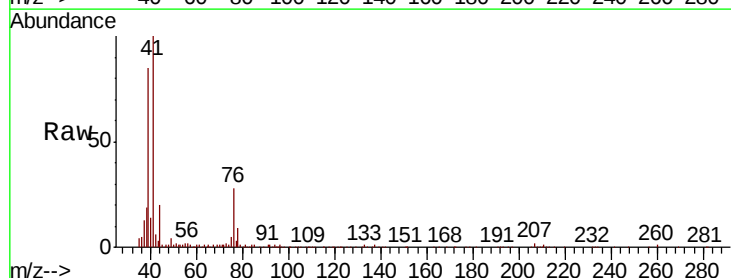
Tgt Ion: 41 Resp: 140324

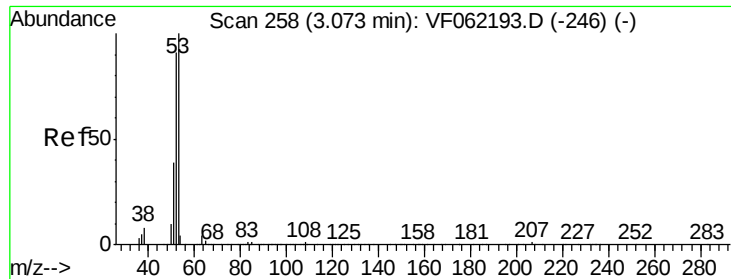
Ion Ratio Lower Upper

41 100

39 81.4 60.0 90.0

76 27.9 20.6 30.8





#15

Acrylonitrile

Concen: 90.650 ug/l

RT: 3.09 min Scan# 260

Delta R.T. 0.02 min

Lab File: VF062262.D

Acq: 23 Apr 2019 14:27

Instrument :

MSVOA_F

ClientSampleId :

VF0423SBS01

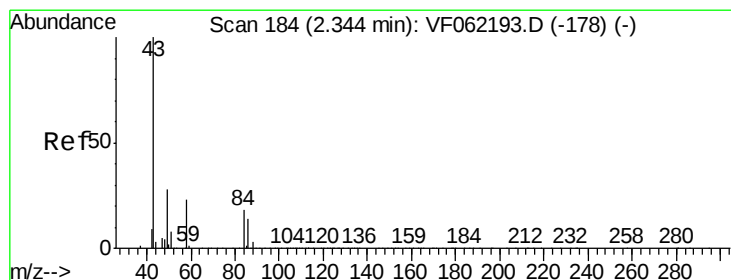
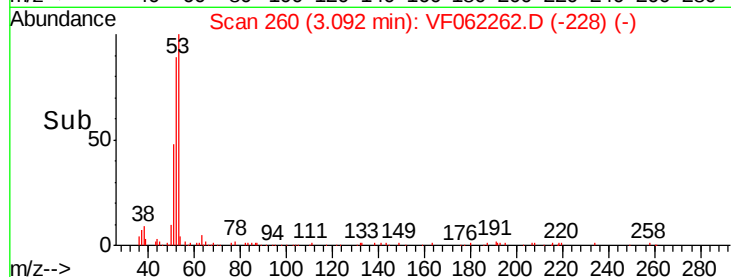
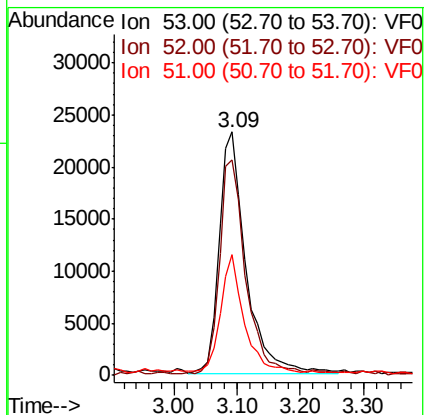
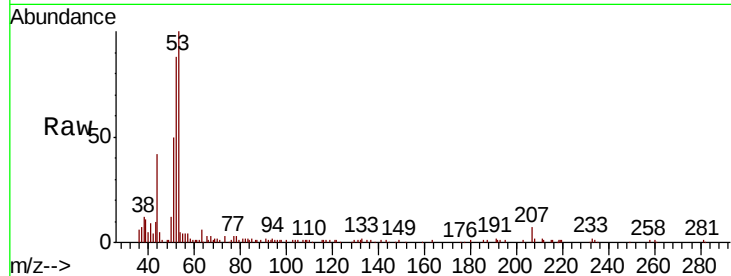
Tgt Ion: 53 Resp: 68221

Ion Ratio Lower Upper

53 100

52 86.9 69.5 104.3

51 41.5 31.8 47.8



#16

Acetone

Concen: 99.504 ug/l

RT: 2.35 min Scan# 185

Delta R.T. 0.01 min

Lab File: VF062262.D

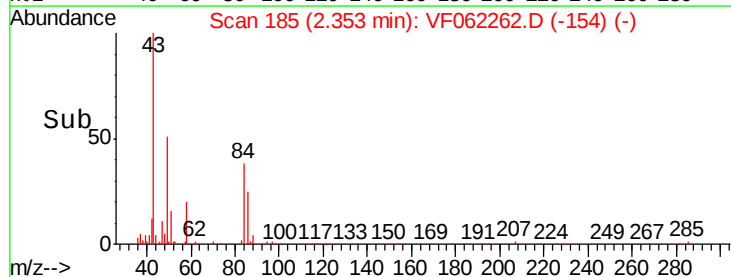
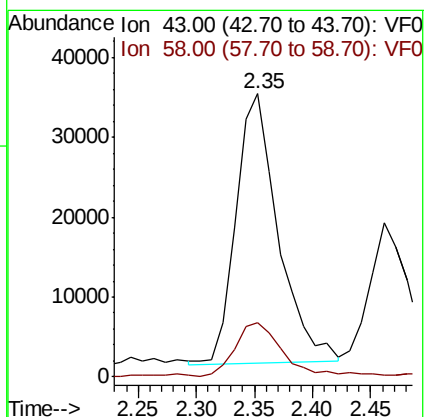
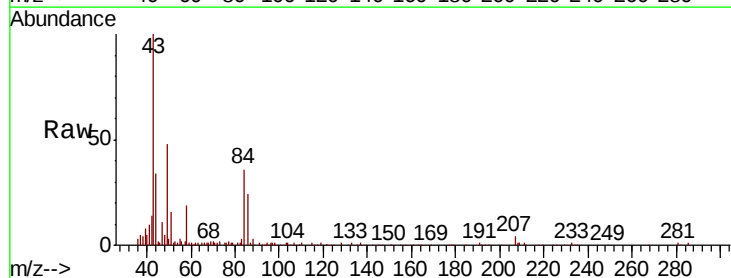
Acq: 23 Apr 2019 14:27

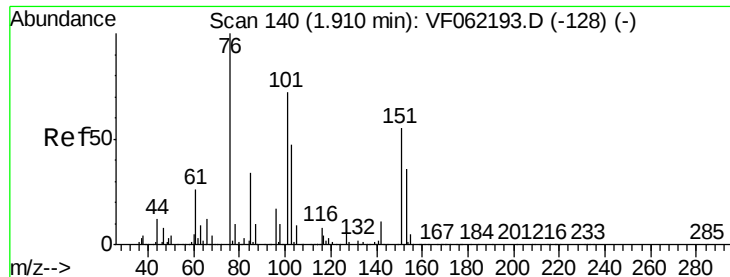
Tgt Ion: 43 Resp: 84544

Ion Ratio Lower Upper

43 100

58 19.3 18.8 28.2





#17

Carbon Disulfide

Concen: 18.244 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF062262.D

Acq: 23 Apr 2019 14:27

Instrument :

MSVOA_F

ClientSampleId :

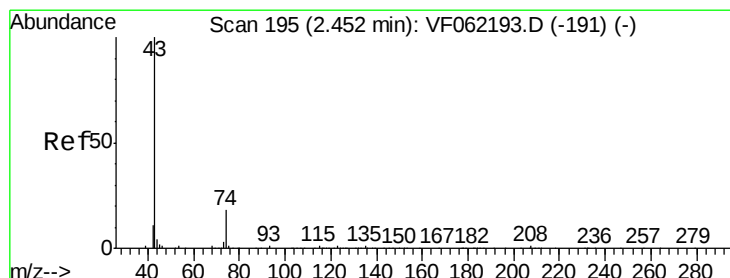
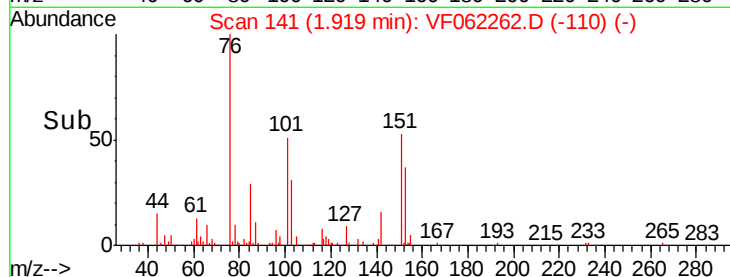
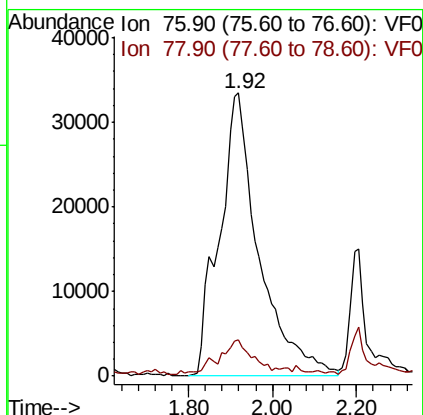
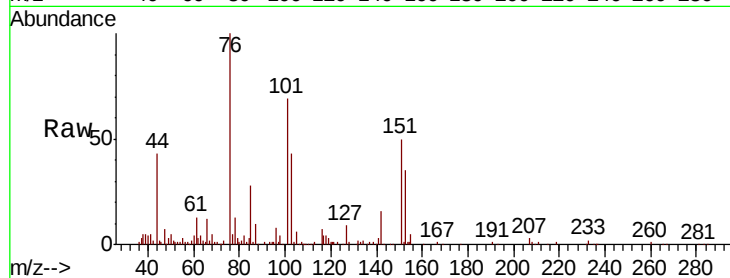
VF0423SBS01

Tgt Ion: 76 Resp: 218930

Ion Ratio Lower Upper

76 100

78 11.9 8.7 13.1



#18

Methyl Acetate

Concen: 19.573 ug/l

RT: 2.46 min Scan# 196

Delta R.T. 0.01 min

Lab File: VF062262.D

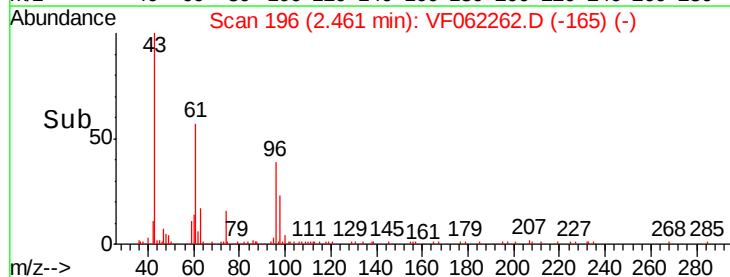
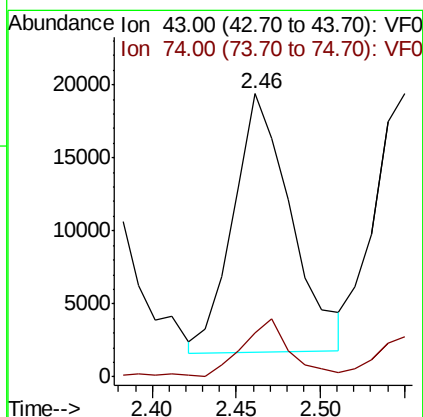
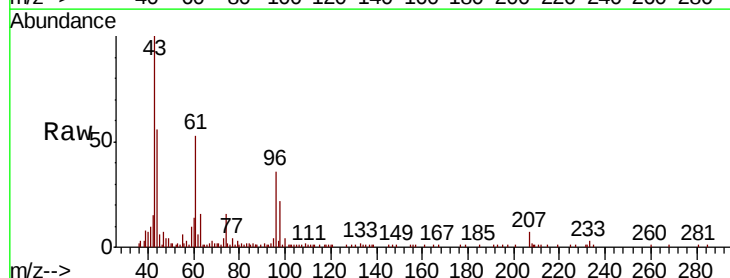
Acq: 23 Apr 2019 14:27

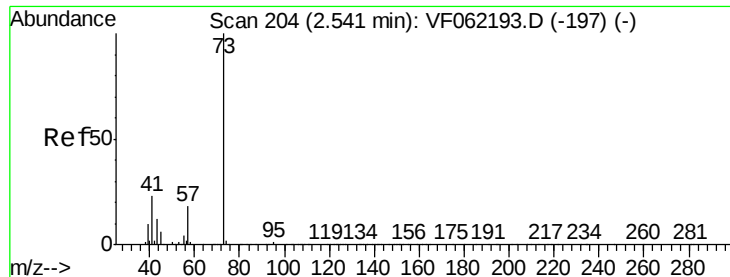
Tgt Ion: 43 Resp: 42326

Ion Ratio Lower Upper

43 100

74 16.6 14.5 21.7



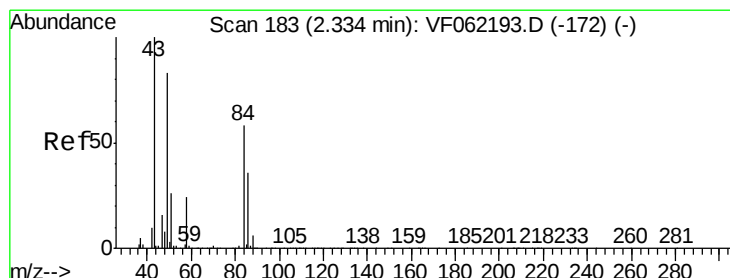
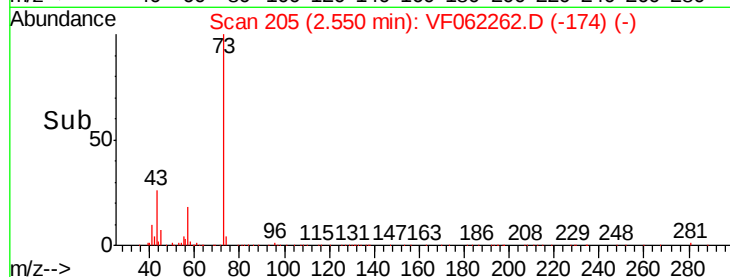
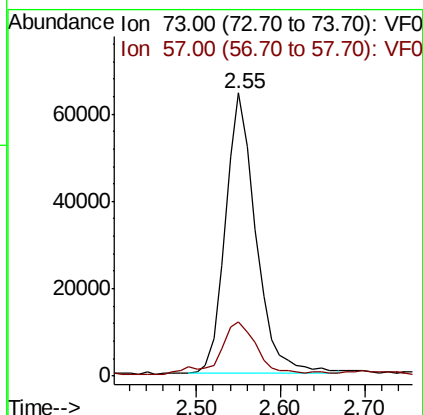
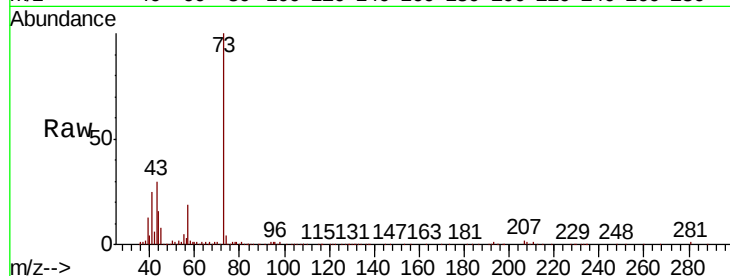


#19

Methyl tert-butyl Ether
 Concen: 21.203 ug/l
 RT: 2.55 min Scan# 205
 Delta R.T. 0.01 min
 Lab File: VF062262.D
 Acq: 23 Apr 2019 14:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0423SBS01

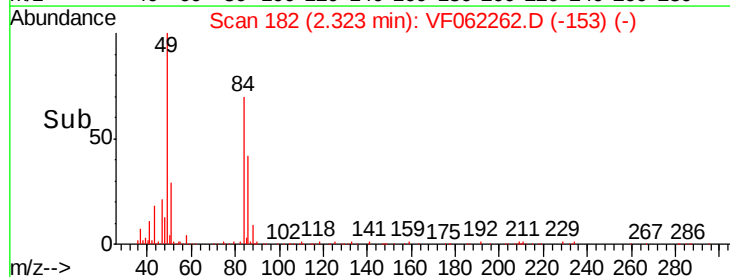
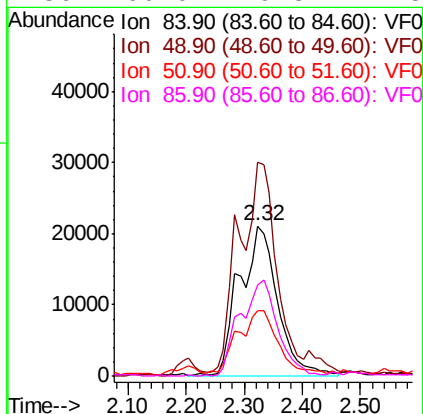
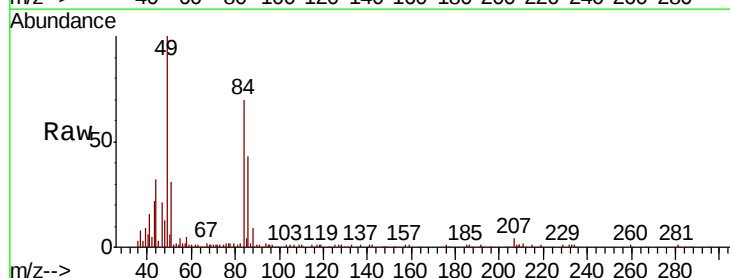
Tgt Ion: 73 Resp: 161662
 Ion Ratio Lower Upper
 73 100
 57 18.2 15.1 22.7

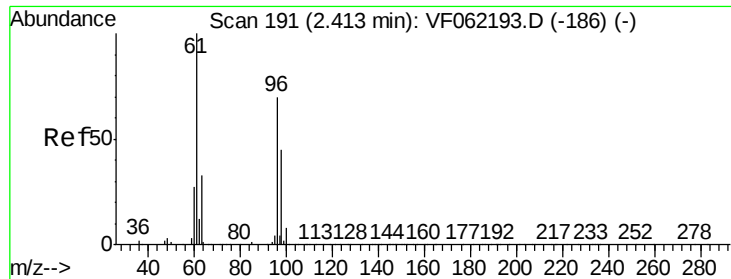


#20

Methylene Chloride
 Concen: 19.522 ug/l
 RT: 2.32 min Scan# 182
 Delta R.T. -0.01 min
 Lab File: VF062262.D
 Acq: 23 Apr 2019 14:27

Tgt Ion: 84 Resp: 97393
 Ion Ratio Lower Upper
 84 100
 49 138.5 114.0 171.0
 51 41.7 37.0 55.4
 86 60.0 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 18.564 ug/l

RT: 2.42 min Scan# 192

Delta R.T. 0.01 min

Lab File: VF062262.D

Acq: 23 Apr 2019 14:27

Instrument :

MSVOA_F

ClientSampleId :

VF0423SBS01

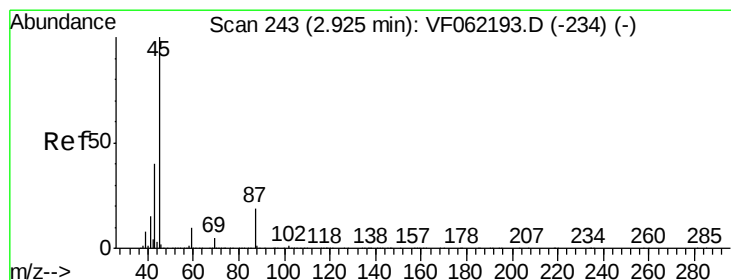
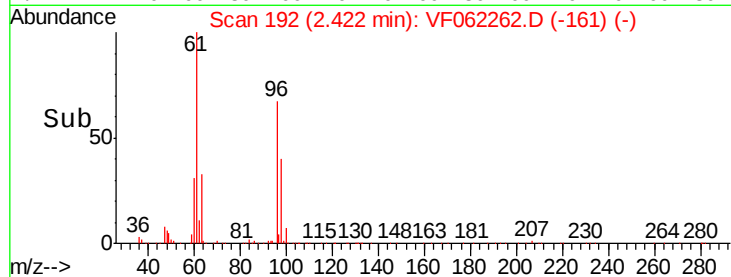
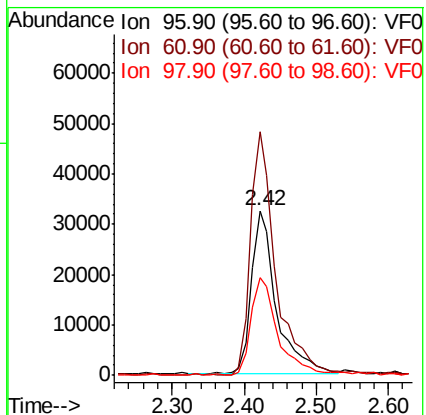
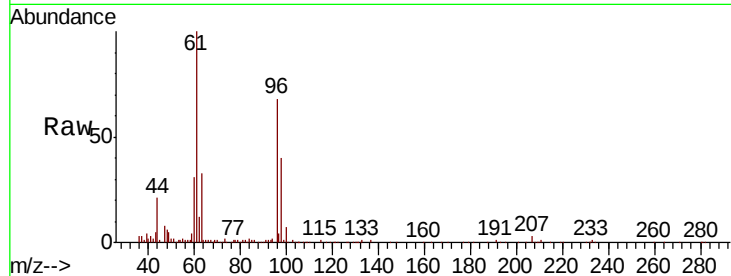
Tgt Ion: 96 Resp: 79279

Ion Ratio Lower Upper

96 100

61 148.6 114.6 172.0

98 59.0 51.2 76.8



#22

Diisopropyl ether

Concen: 19.637 ug/l

RT: 2.94 min Scan# 245

Delta R.T. 0.02 min

Lab File: VF062262.D

Acq: 23 Apr 2019 14:27

Tgt Ion: 45 Resp: 248947

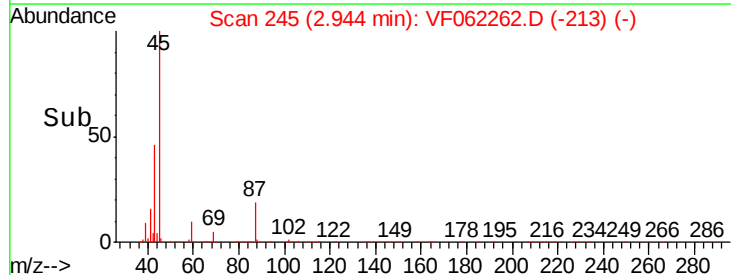
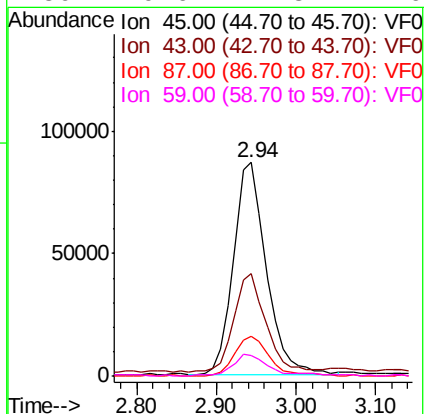
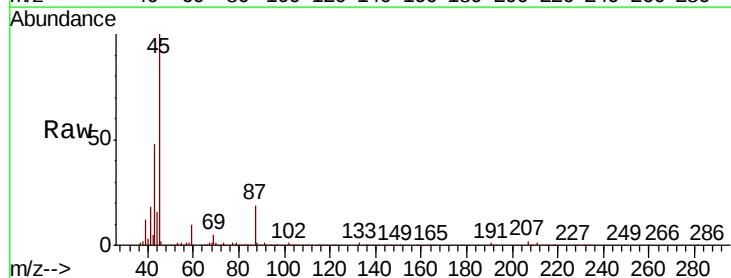
Ion Ratio Lower Upper

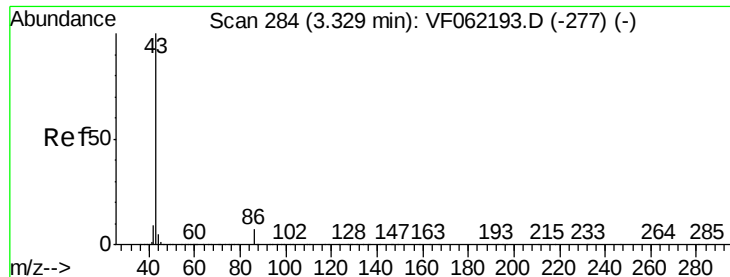
45 100

43 46.0 32.8 49.2

87 18.8 15.2 22.8

59 9.6 7.8 11.6





#23

Vinyl Acetate

Concen: 93.328 ug/l

RT: 3.35 min Scan# 286

Delta R.T. 0.02 min

Lab File: VF062262.D

Acq: 23 Apr 2019 14:27

Instrument :

MSVOA_F

ClientSampleId :

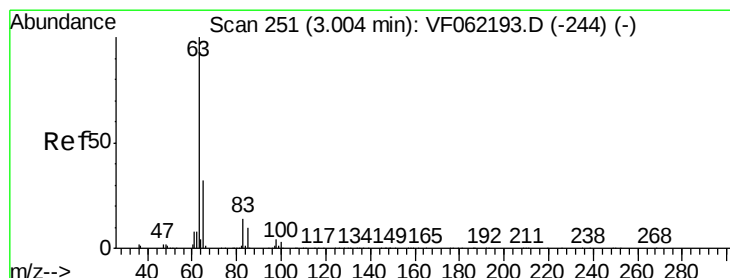
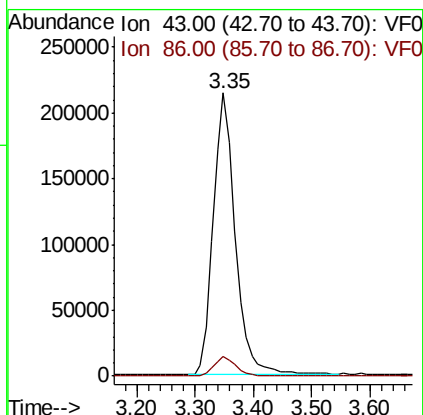
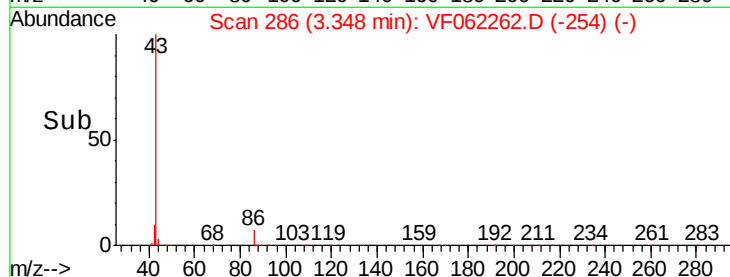
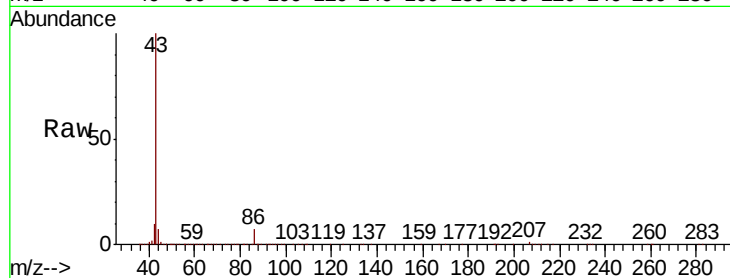
VF0423SBS01

Tgt Ion: 43 Resp: 563706

Ion Ratio Lower Upper

43 100

86 7.0 5.9 8.9



#24

1,1-Dichloroethane

Concen: 20.936 ug/l

RT: 3.01 min Scan# 252

Delta R.T. 0.01 min

Lab File: VF062262.D

Acq: 23 Apr 2019 14:27

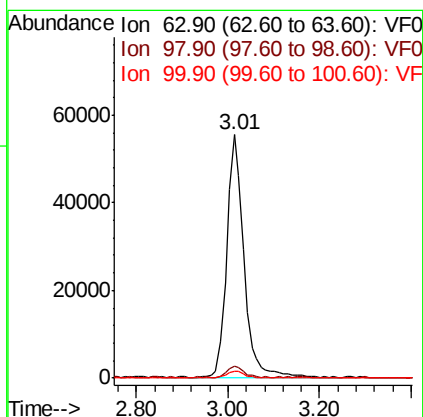
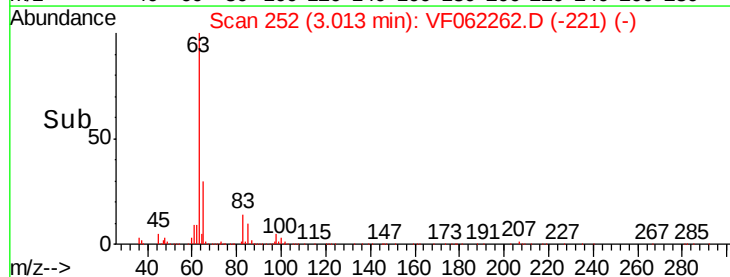
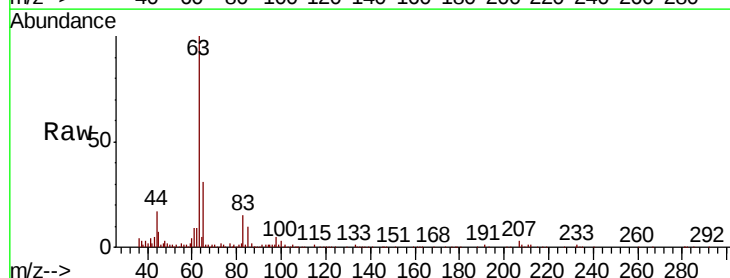
Tgt Ion: 63 Resp: 145191

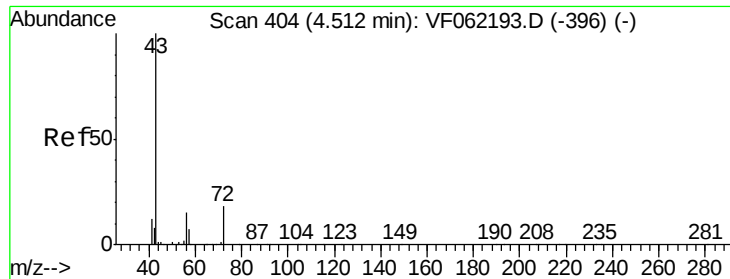
Ion Ratio Lower Upper

63 100

98 4.9 2.3 6.8

100 2.8 1.7 5.0





#25

2-Butanone

Concen: 87.353 ug/l

RT: 4.53 min Scan# 406

Delta R.T. 0.02 min

Lab File: VF062262.D

Acq: 23 Apr 2019 14:27

Instrument :

MSVOA_F

ClientSampleId :

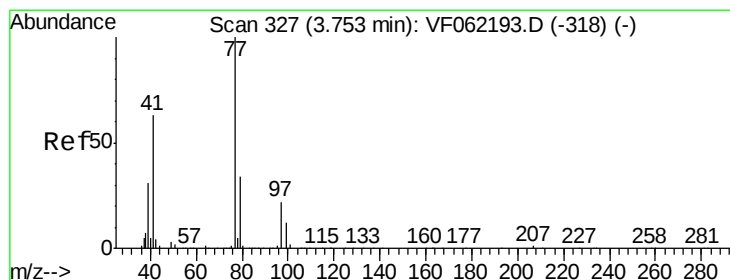
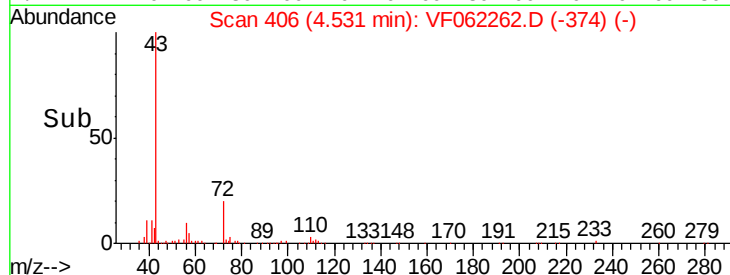
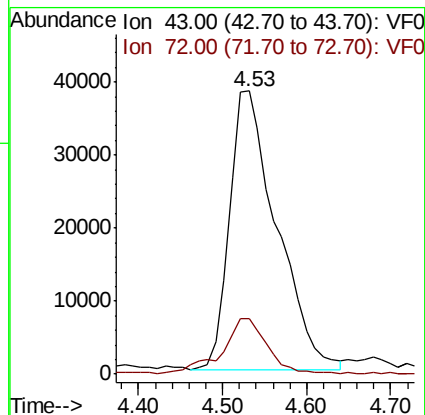
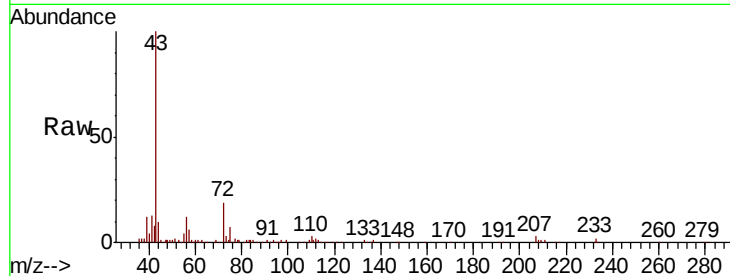
VF0423SBS01

Tgt Ion: 43 Resp: 148406

Ion Ratio Lower Upper

43 100

72 19.5 16.1 24.1



#26

2,2-Dichloropropane

Concen: 22.414 ug/l

RT: 3.78 min Scan# 330

Delta R.T. 0.03 min

Lab File: VF062262.D

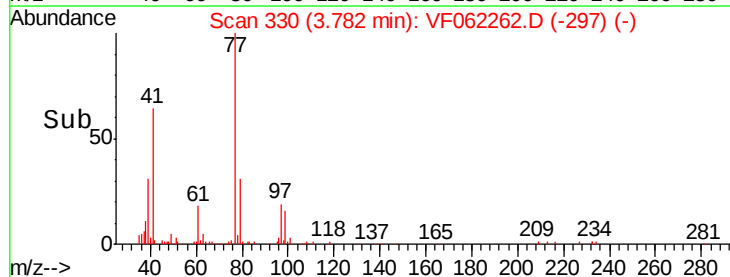
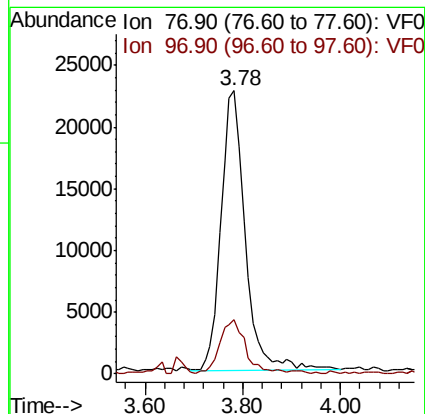
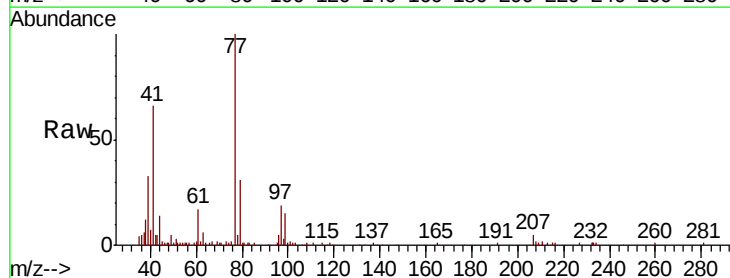
Acq: 23 Apr 2019 14:27

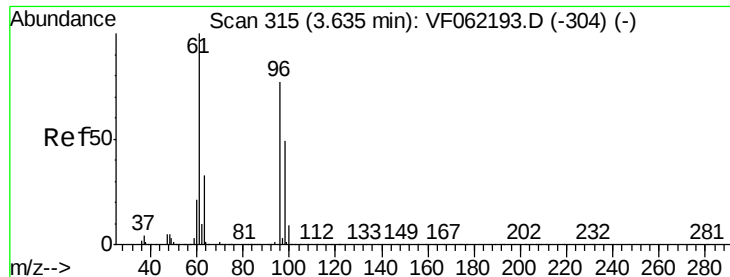
Tgt Ion: 77 Resp: 78476

Ion Ratio Lower Upper

77 100

97 20.2 11.1 33.3



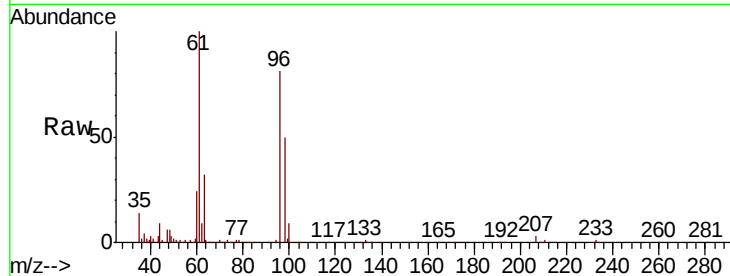


#27

cis-1,2-Dichloroethene
Concen: 19.044 ug/l
RT: 3.65 min Scan# 317
Delta R.T. 0.02 min
Lab File: VF062262.D
Acq: 23 Apr 2019 14:27

Instrument :
MSVOA_F
ClientSampleId :
VF0423SBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	128.8	0.0	253.6
98	65.8	0.0	124.8

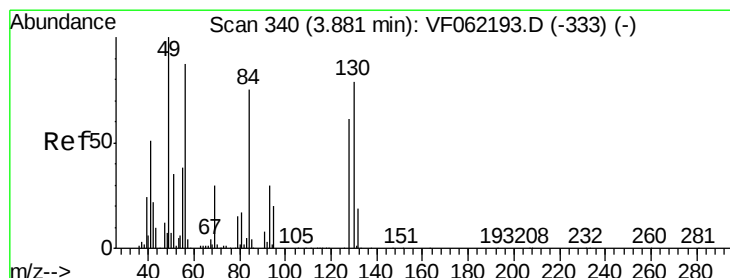
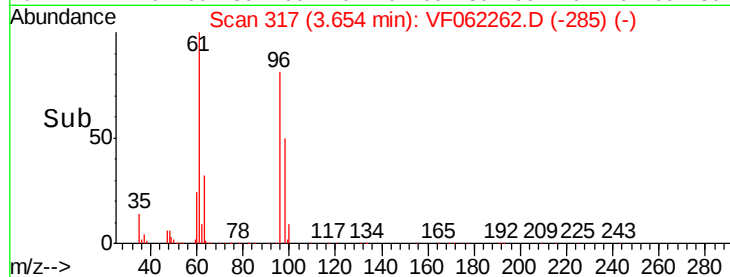
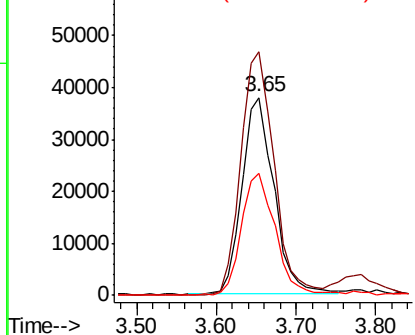


Abundance

Ion 95.90 (95.60 to 96.60): VF0

Ion 60.90 (60.60 to 61.60): VF0

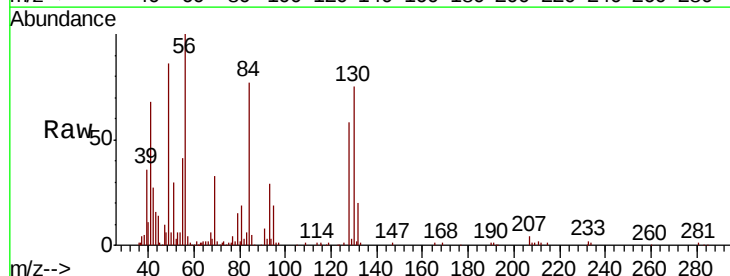
Ion 97.90 (97.60 to 98.60): VF0



#28

Bromochloromethane
Concen: 18.953 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.02 min
Lab File: VF062262.D
Acq: 23 Apr 2019 14:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	0.0#
130	95.5	66.6	100.0

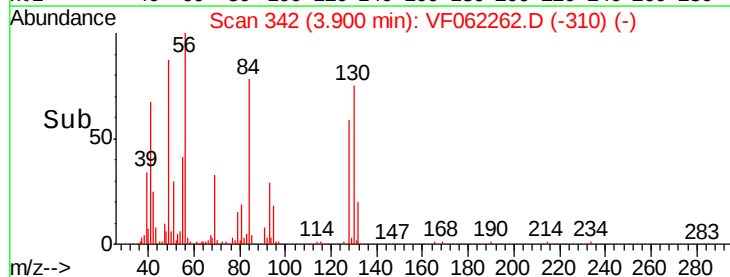
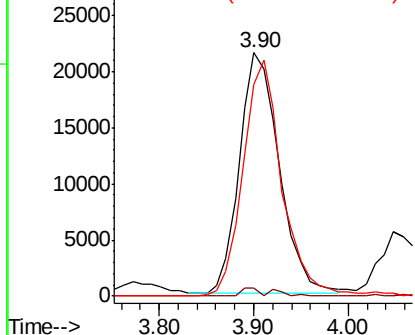


Abundance

Ion 48.90 (48.60 to 49.60): VF0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

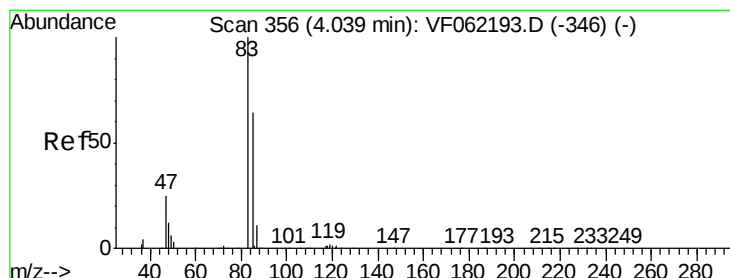
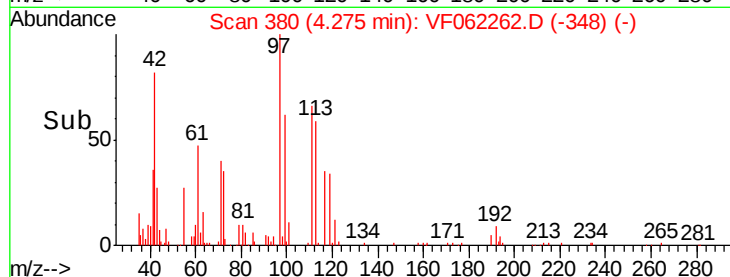
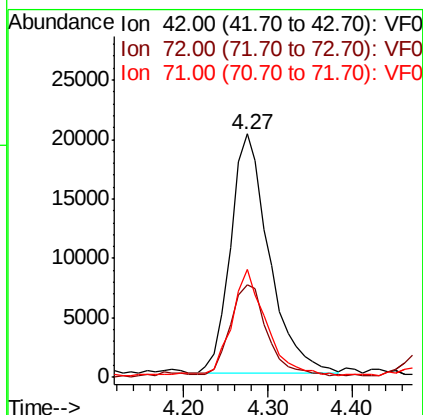
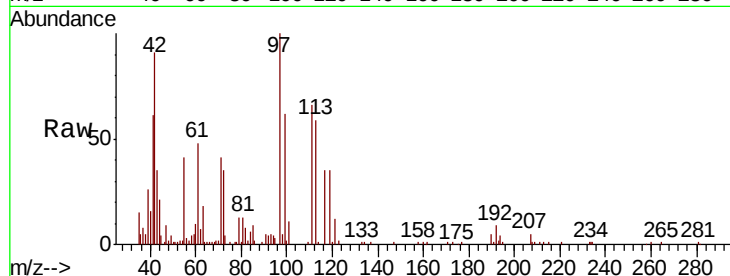




#29
Tetrahydrofuran
Concen: 83.751 ug/l
RT: 4.27 min Scan# 380
Delta R.T. 0.02 min
Lab File: VF062262.D
Acq: 23 Apr 2019 14:27

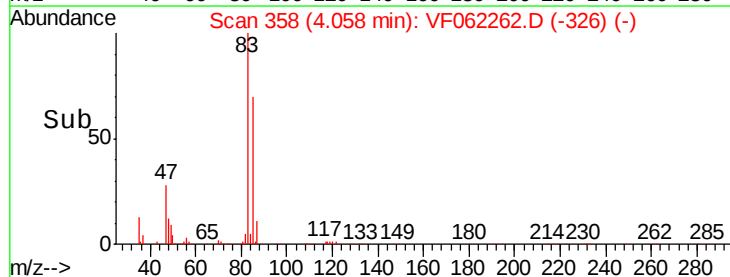
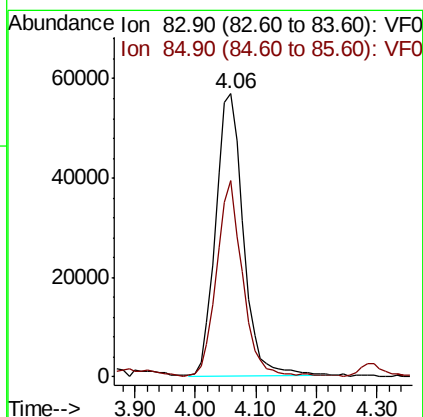
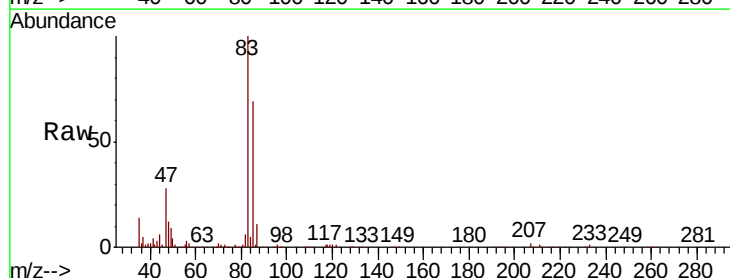
Instrument :
MSVOA_F
ClientSampleId :
VF0423SBS01

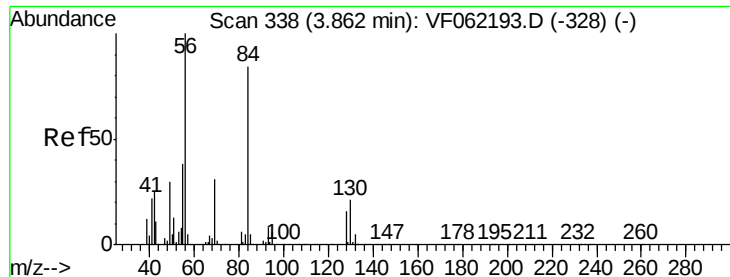
Tgt Ion: 42 Resp: 64404
Ion Ratio Lower Upper
42 100
72 36.3 28.6 43.0
71 42.5 29.2 43.8



#30
Chloroform
Concen: 21.183 ug/l
RT: 4.06 min Scan# 358
Delta R.T. 0.02 min
Lab File: VF062262.D
Acq: 23 Apr 2019 14:27

Tgt Ion: 83 Resp: 180541
Ion Ratio Lower Upper
83 100
85 69.4 51.8 77.8

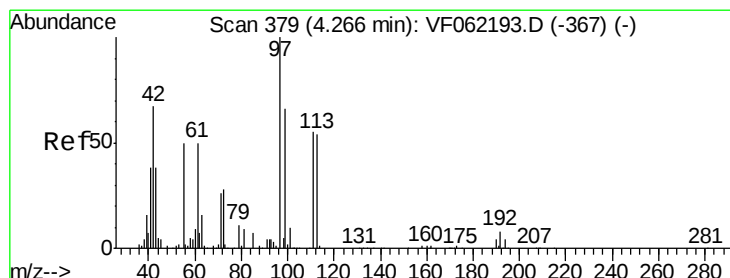
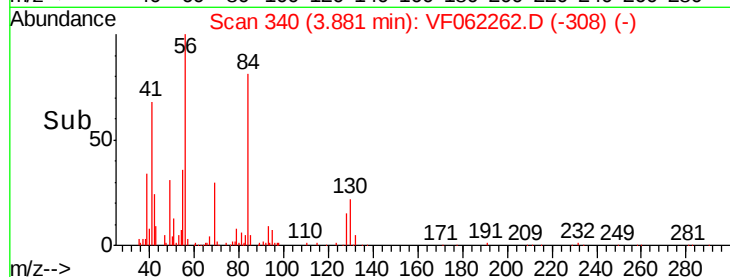
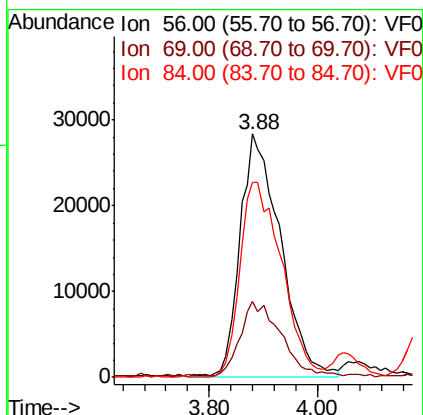
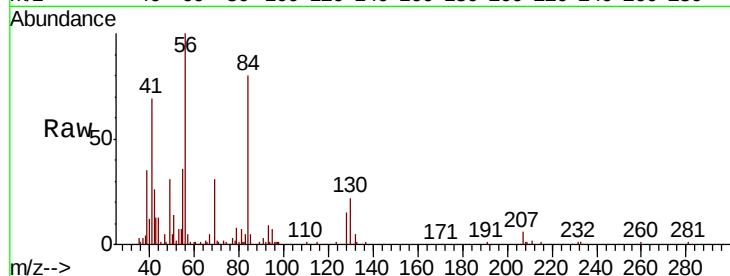




#31
Cyclohexane
Concen: 17.799 ug/l
RT: 3.88 min Scan# 340
Delta R.T. 0.02 min
Lab File: VF062262.D
Acq: 23 Apr 2019 14:27

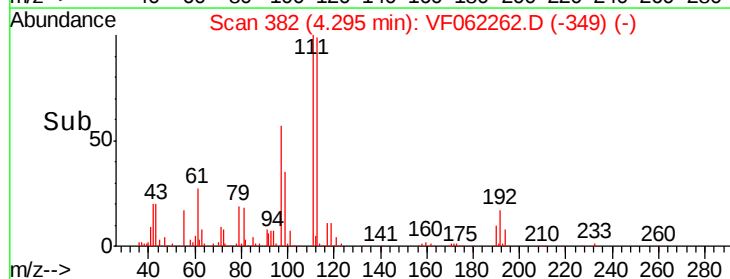
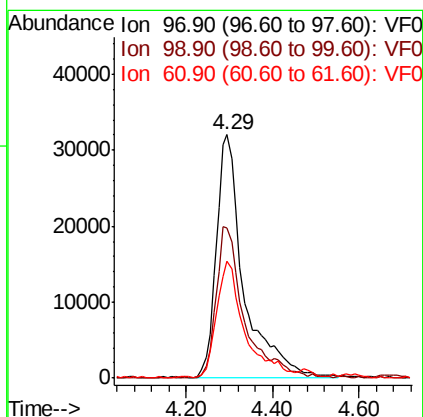
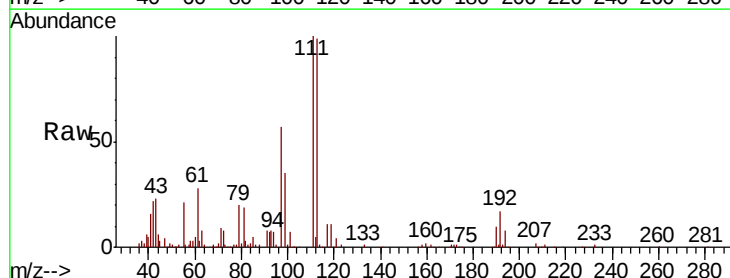
Instrument :
MSVOA_F
ClientSampleId :
VF0423SBS01

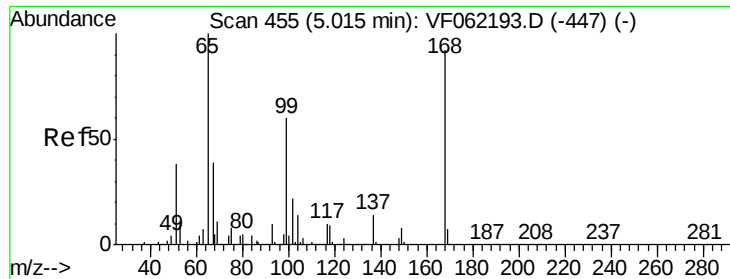
Tgt Ion: 56 Resp: 147925
Ion Ratio Lower Upper
56 100
69 30.1 25.1 37.7
84 80.2 67.8 101.6



#32
1,1,1-Trichloroethane
Concen: 22.884 ug/l
RT: 4.29 min Scan# 382
Delta R.T. 0.03 min
Lab File: VF062262.D
Acq: 23 Apr 2019 14:27

Tgt Ion: 97 Resp: 142764
Ion Ratio Lower Upper
97 100
99 63.3 52.7 79.1
61 48.6 53.0 79.4#





#33

1,2-Dichloroethane-d4

Concen: 22.884 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.02 min

Lab File: VF062262.D

Acq: 23 Apr 2019 14:27

Instrument :

MSVOA_F

ClientSampleId :

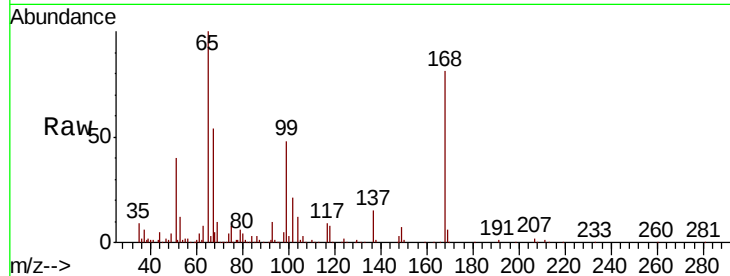
VF0423SBS01

Tgt Ion: 65 Resp: 186600

Ion Ratio Lower Upper

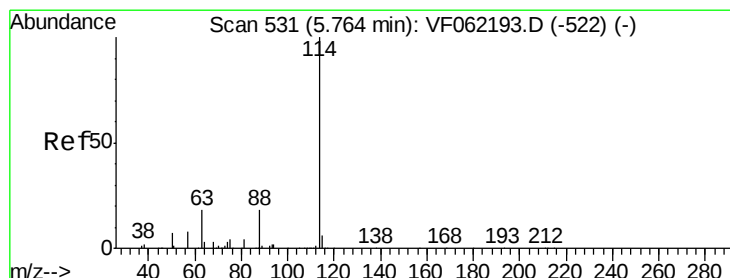
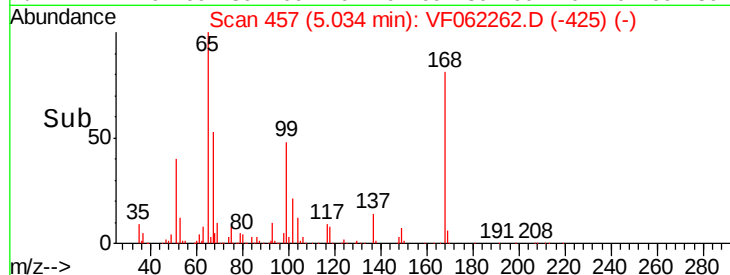
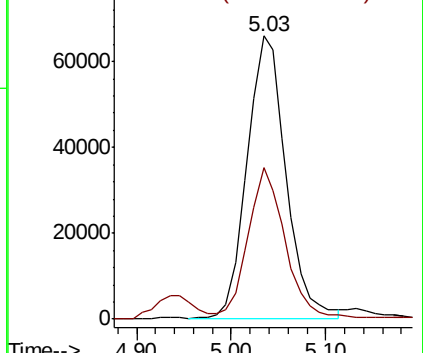
65 100

67 51.3 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 533

Delta R.T. 0.02 min

Lab File: VF062262.D

Acq: 23 Apr 2019 14:27

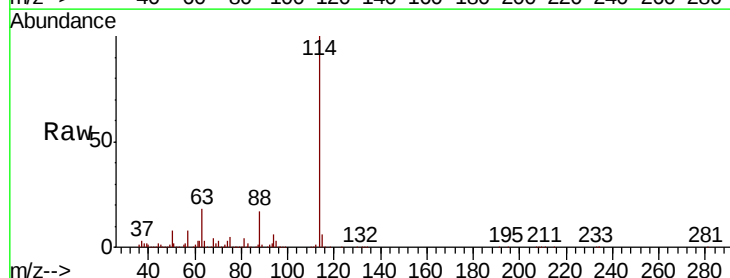
Tgt Ion: 114 Resp: 541235

Ion Ratio Lower Upper

114 100

63 17.5 0.0 36.6

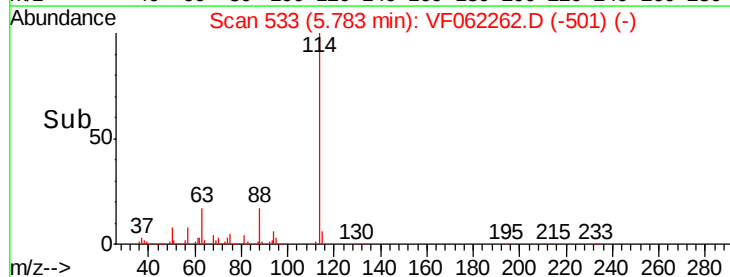
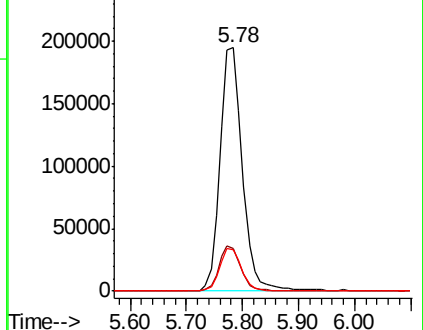
88 17.2 0.0 35.8

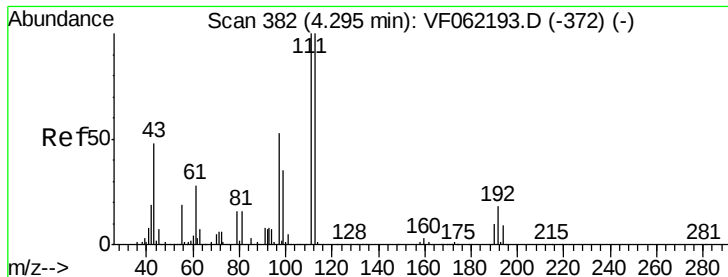


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 4.31 min Scan# 384

Delta R.T. 0.02 min

Lab File: VF062262.D

Acq: 23 Apr 2019 14:27

Instrument :

MSVOA_F

ClientSampleId :

VF0423SBS01

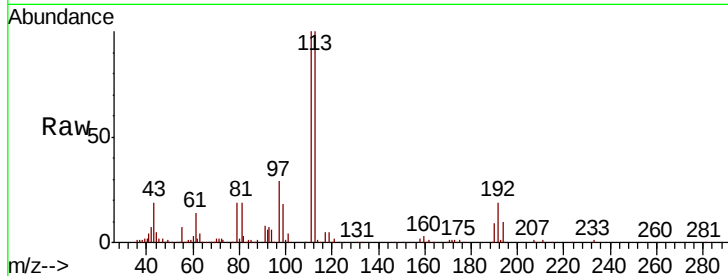
Tgt Ion:113 Resp: 240280

Ion Ratio Lower Upper

113 100

111 103.6 81.1 121.7

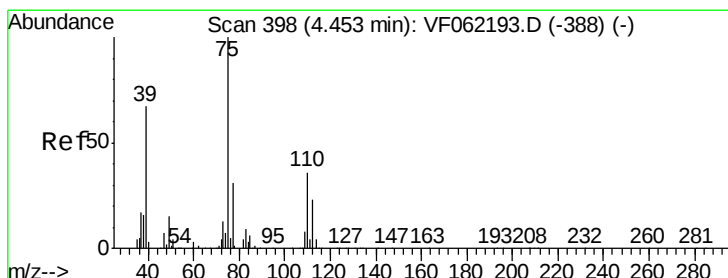
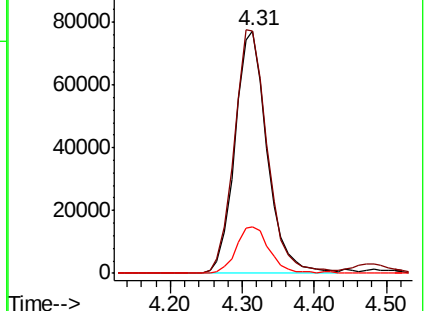
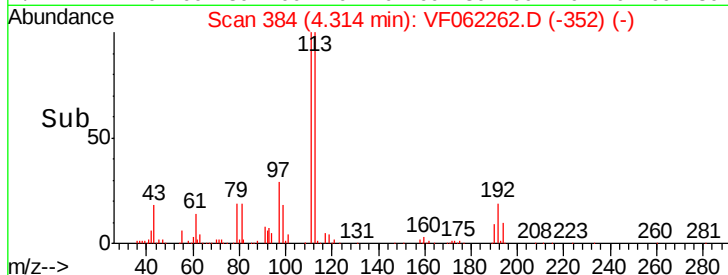
192 19.8 14.7 22.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.377 ug/l

RT: 4.48 min Scan# 401

Delta R.T. 0.03 min

Lab File: VF062262.D

Acq: 23 Apr 2019 14:27

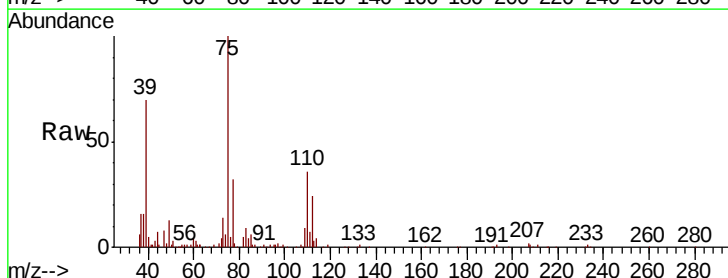
Tgt Ion: 75 Resp: 132227

Ion Ratio Lower Upper

75 100

110 37.0 18.4 55.2

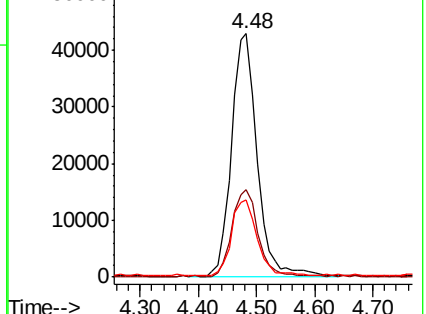
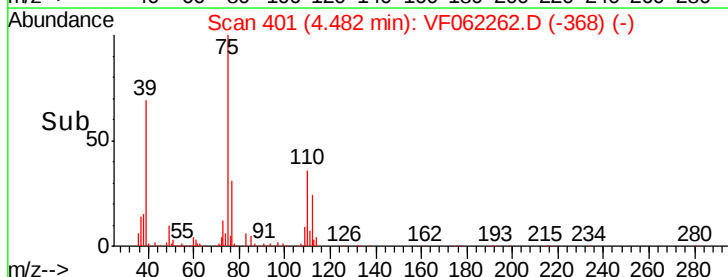
77 31.0 25.4 38.2

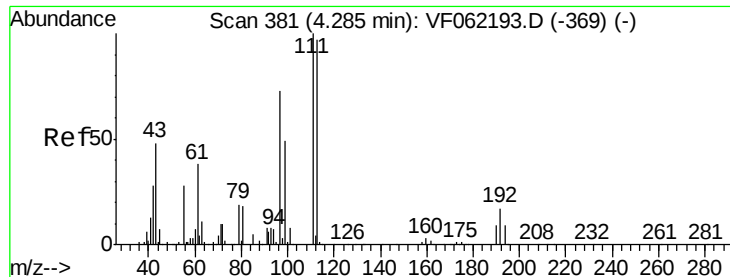


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VF0





#37

Ethyl Acetate

Concen: 17.708 ug/l

RT: 4.31 min Scan# 384

Delta R.T. 0.03 min

Lab File: VF062262.D

Acq: 23 Apr 2019 14:27

Instrument :

MSVOA_F

ClientSampleId :

VF0423SBS01

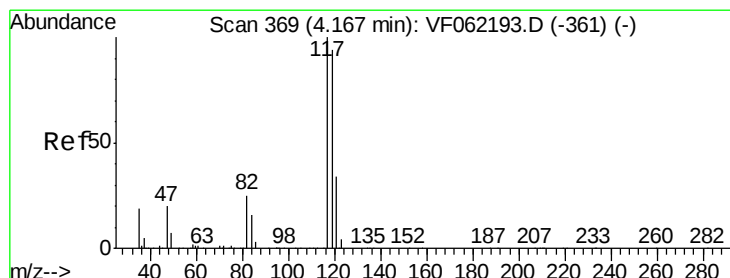
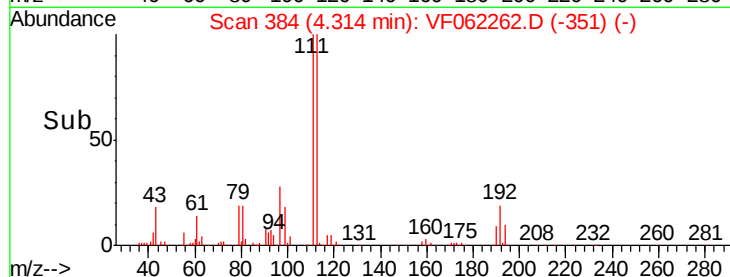
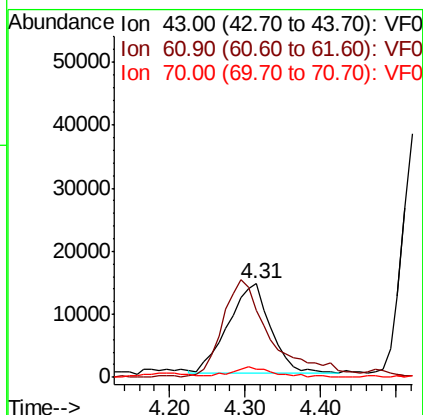
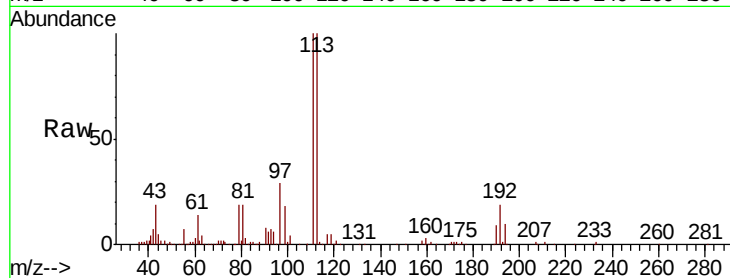
Tgt Ion: 43 Resp: 54222

Ion Ratio Lower Upper

43 100

61 127.9 0.0 0.0#

70 12.0 7.8 11.6#



#38

Carbon Tetrachloride

Concen: 28.578 ug/l

RT: 4.19 min Scan# 371

Delta R.T. 0.02 min

Lab File: VF062262.D

Acq: 23 Apr 2019 14:27

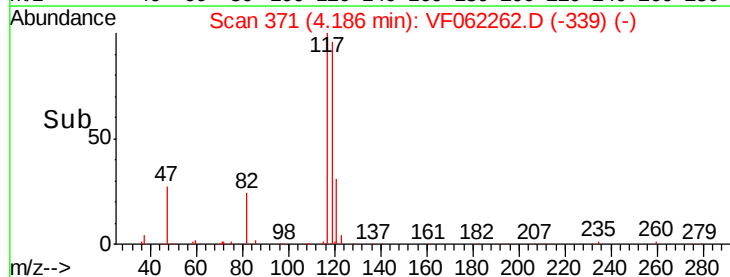
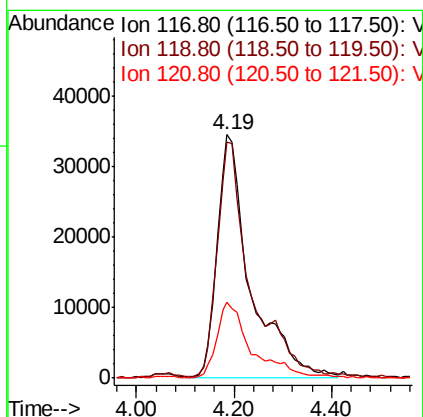
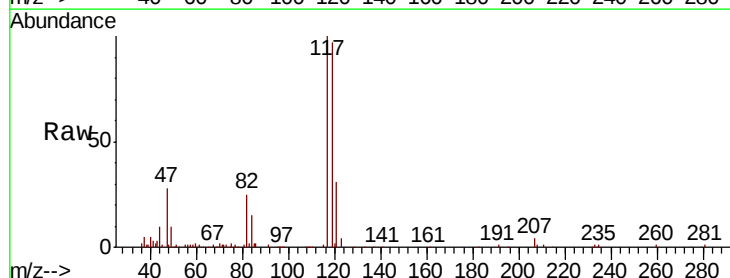
Tgt Ion: 117 Resp: 164143

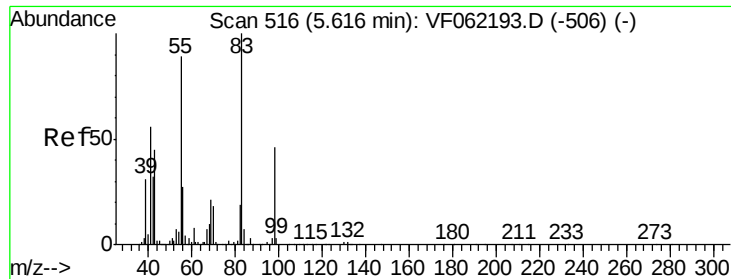
Ion Ratio Lower Upper

117 100

119 96.3 75.0 112.4

121 30.8 26.9 40.3





#39

Methylcyclohexane

Concen: 18.930 ug/l

RT: 5.64 min Scan# 518

Delta R.T. 0.02 min

Lab File: VF062262.D

Acq: 23 Apr 2019 14:27

Instrument :

MSVOA_F

ClientSampleId :

VF0423SBS01

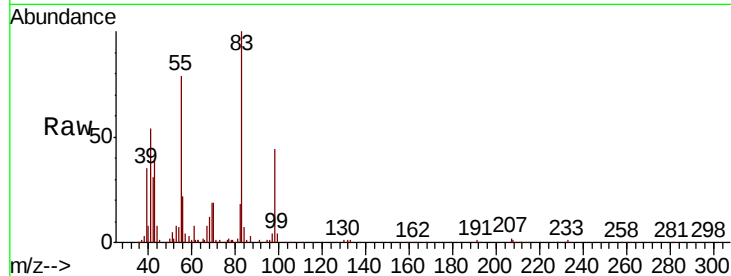
Tgt Ion: 83 Resp: 147076

Ion Ratio Lower Upper

83 100

55 78.8 71.0 106.6

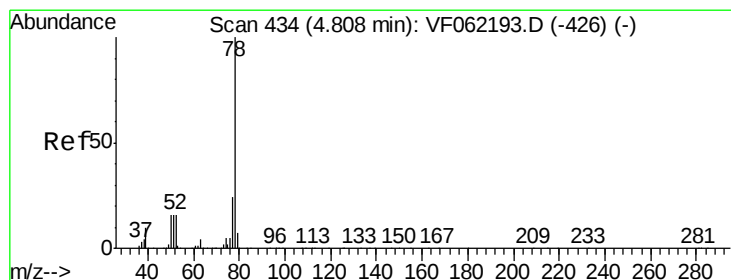
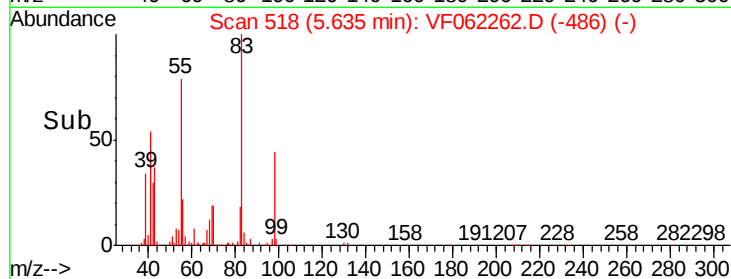
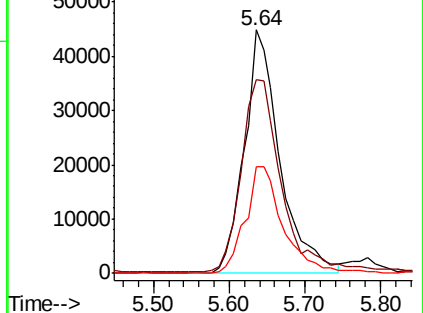
98 44.0 36.7 55.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#40

Benzene

Concen: 19.015 ug/l

RT: 4.83 min Scan# 436

Delta R.T. 0.02 min

Lab File: VF062262.D

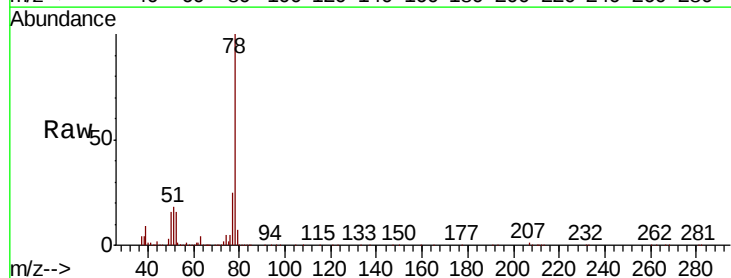
Acq: 23 Apr 2019 14:27

Tgt Ion: 78 Resp: 323653

Ion Ratio Lower Upper

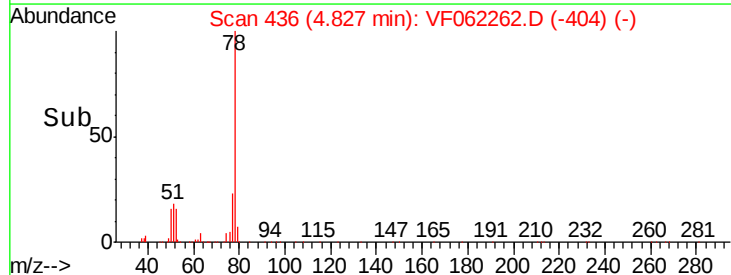
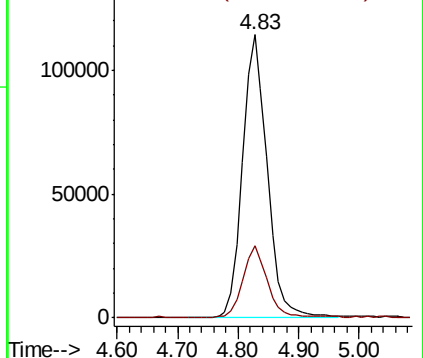
78 100

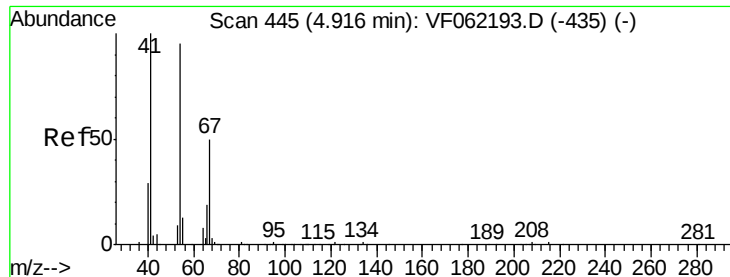
77 25.0 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 19.795 ug/l

RT: 4.94 min Scan# 447

Delta R.T. 0.02 min

Lab File: VF062262.D

Acq: 23 Apr 2019 14:27

Instrument :

MSVOA_F

ClientSampleId :

VF0423SBS01

Tgt Ion: 41 Resp: 34963

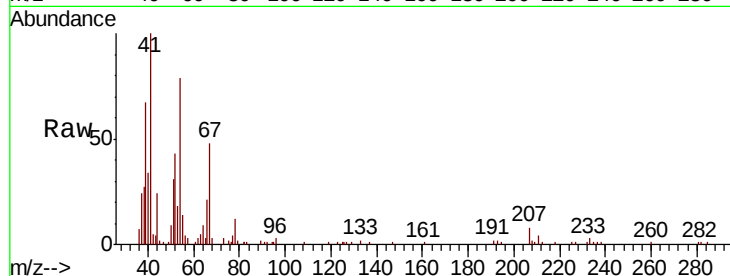
Ion Ratio Lower Upper

41 100

39 53.0 44.7 67.1

67 48.5 39.1 58.7

52 60.8 49.8 74.8

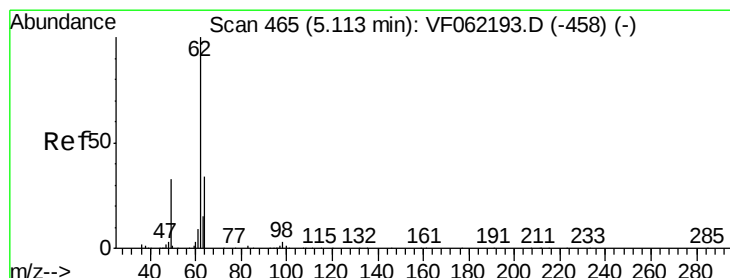
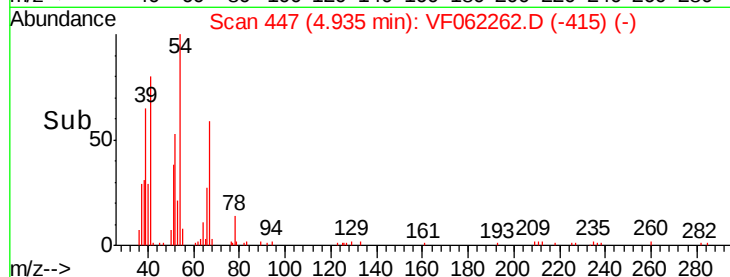
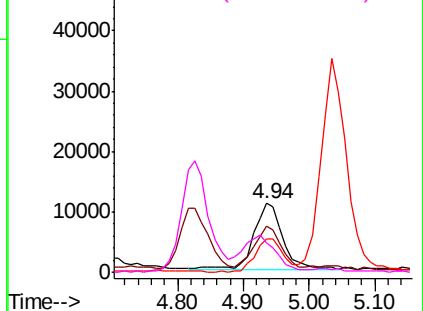


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 21.815 ug/l

RT: 5.13 min Scan# 467

Delta R.T. 0.02 min

Lab File: VF062262.D

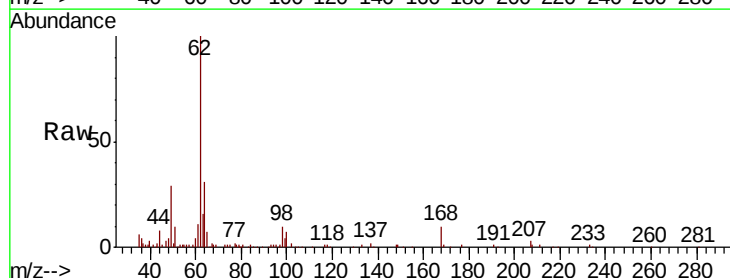
Acq: 23 Apr 2019 14:27

Tgt Ion: 62 Resp: 98158

Ion Ratio Lower Upper

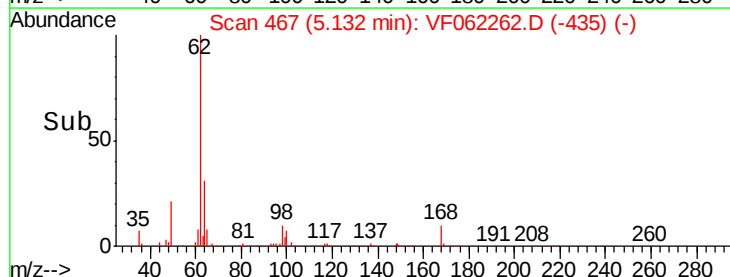
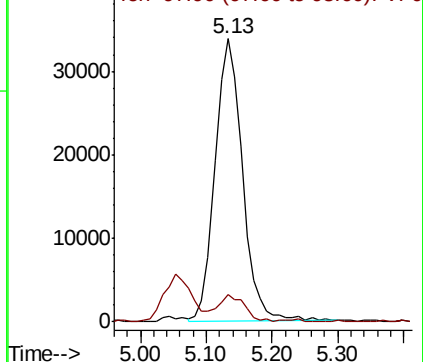
62 100

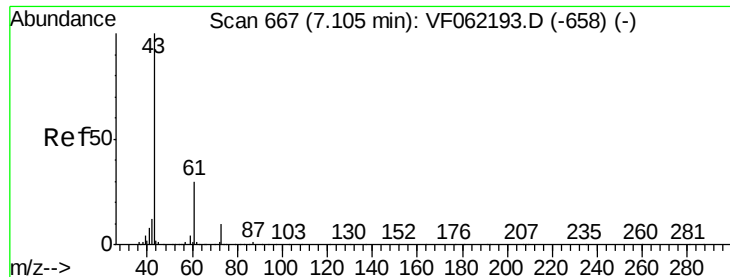
98 9.1 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 97.90 (97.60 to 98.60): VF0





#43

Isopropyl Acetate

Concen: 18.540 ug/l

RT: 7.12 min Scan# 669

Delta R.T. 0.02 min

Lab File: VF062262.D

Acq: 23 Apr 2019 14:27

Instrument :

MSVOA_F

ClientSampleId :

VF0423SBS01

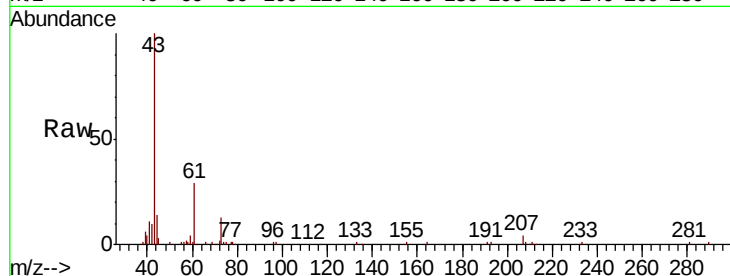
Tgt Ion: 43 Resp: 59710

Ion Ratio Lower Upper

43 100

61 28.0 24.4 36.6

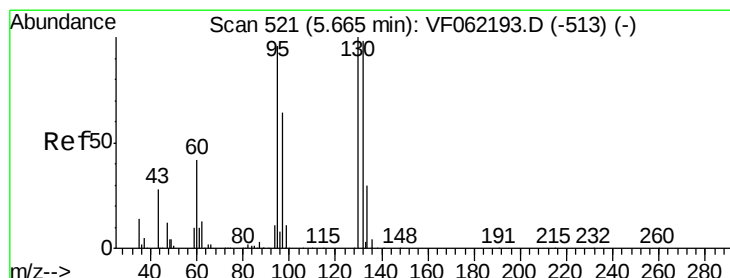
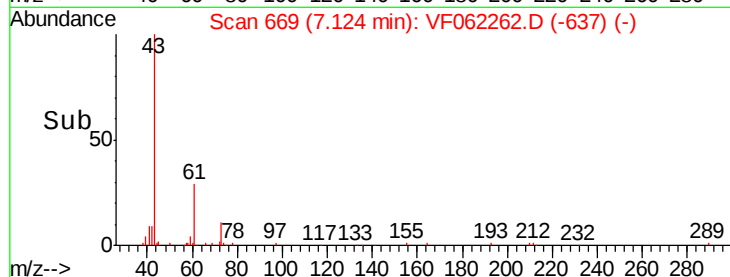
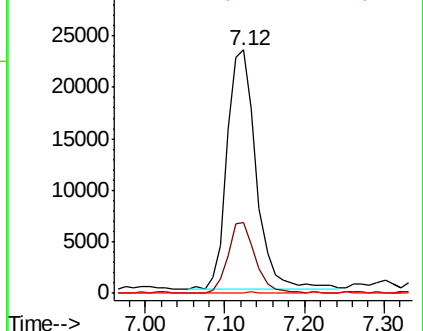
87 0.1 0.4 0.6#



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: 22.055 ug/l

RT: 5.68 min Scan# 523

Delta R.T. 0.02 min

Lab File: VF062262.D

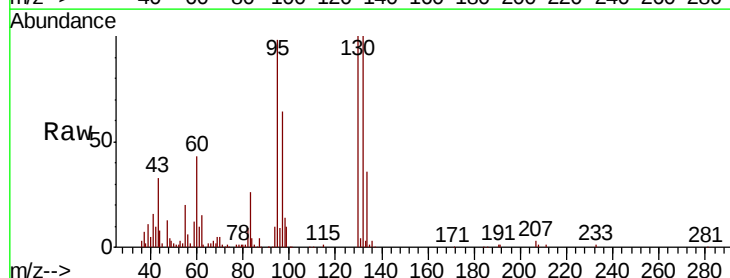
Acq: 23 Apr 2019 14:27

Tgt Ion: 130 Resp: 101438

Ion Ratio Lower Upper

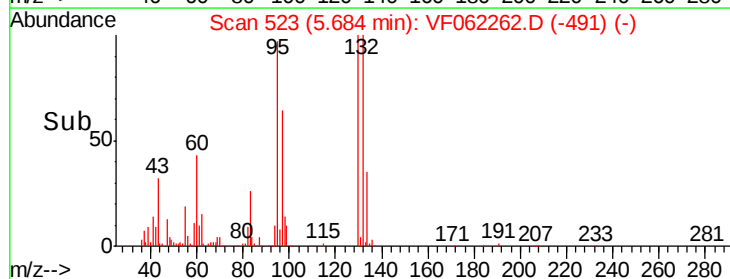
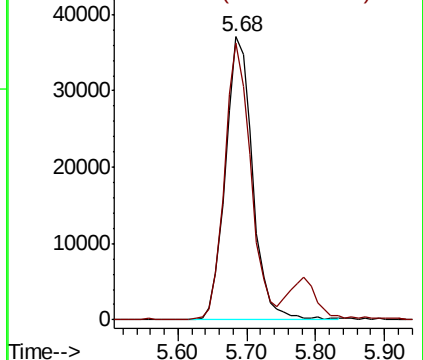
130 100

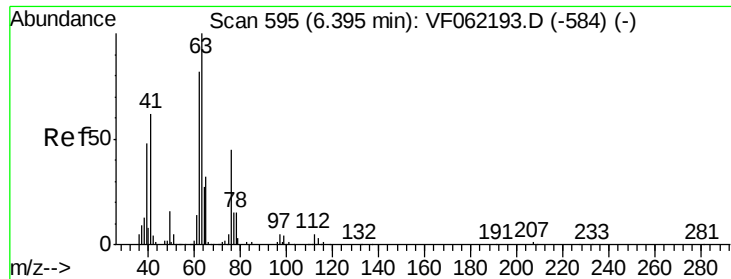
95 97.9 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 18.737 ug/l

RT: 6.41 min Scan# 597

Delta R.T. 0.02 min

Lab File: VF062262.D

Acq: 23 Apr 2019 14:27

Instrument :

MSVOA_F

ClientSampleId :

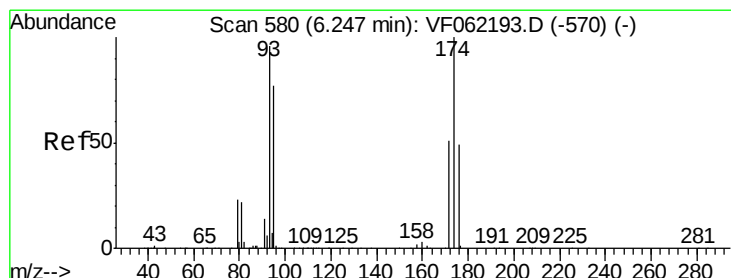
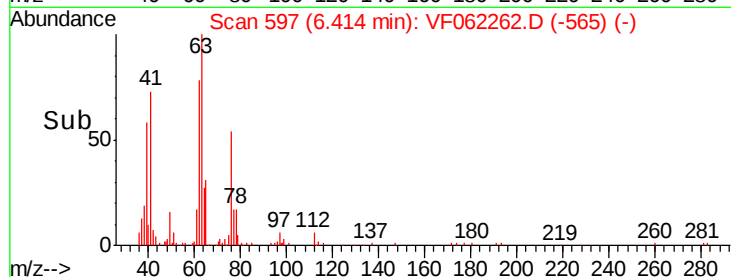
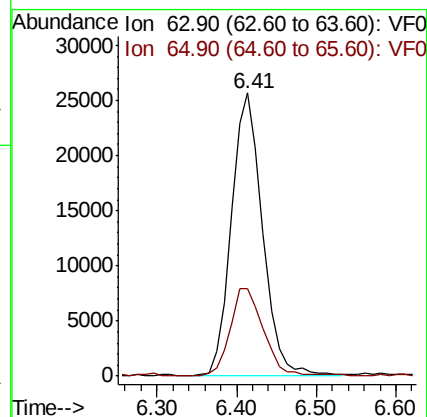
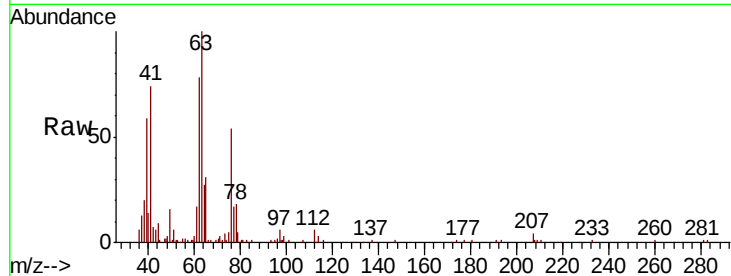
VF0423SBS01

Tgt Ion: 63 Resp: 70248

Ion Ratio Lower Upper

63 100

65 30.9 25.9 38.9



#46

Dibromomethane

Concen: 20.577 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.02 min

Lab File: VF062262.D

Acq: 23 Apr 2019 14:27

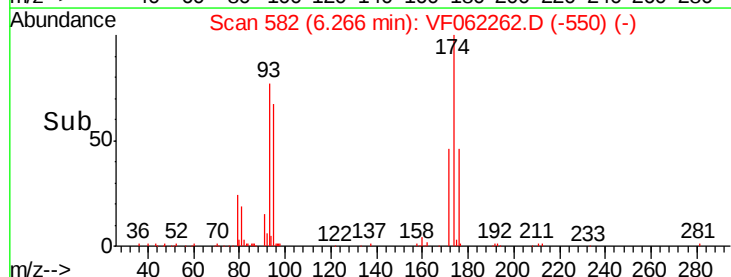
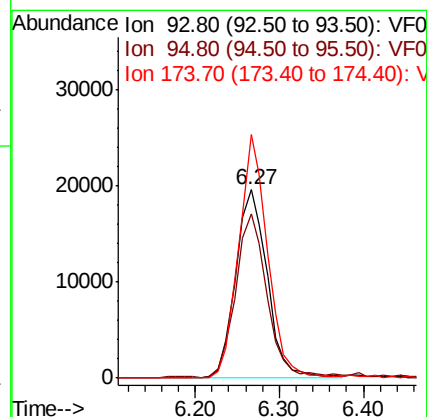
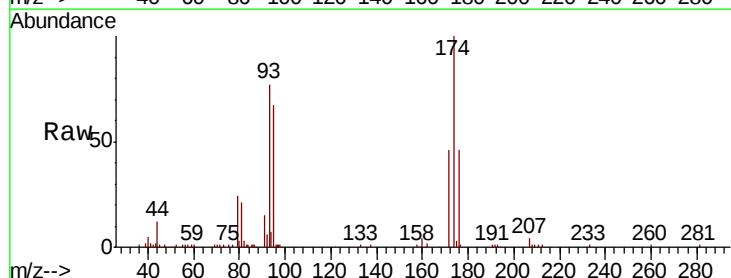
Tgt Ion: 93 Resp: 51327

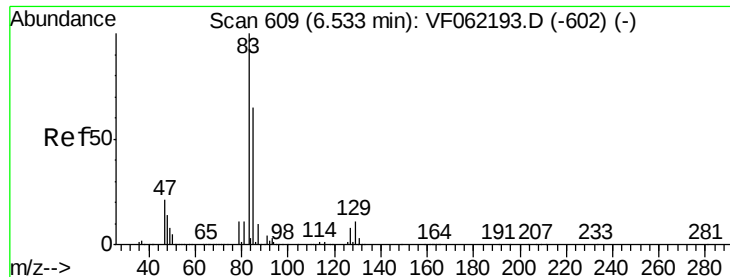
Ion Ratio Lower Upper

93 100

95 86.0 65.1 97.7

174 117.5 81.8 122.6





#47

Bromodichloromethane

Concen: 21.348 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.02 min

Lab File: VF062262.D

Acq: 23 Apr 2019 14:27

Instrument :

MSVOA_F

ClientSampleId :

VF0423SBS01

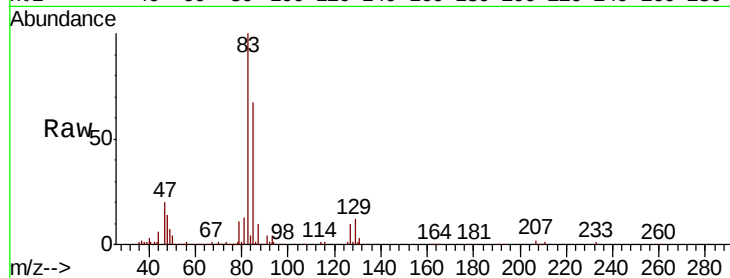
Tgt Ion: 83 Resp: 120169

Ion Ratio Lower Upper

83 100

85 67.2 52.2 78.4

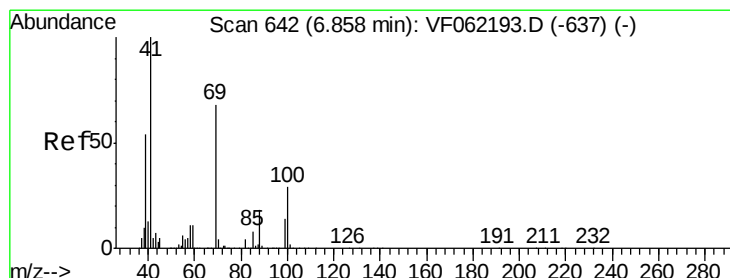
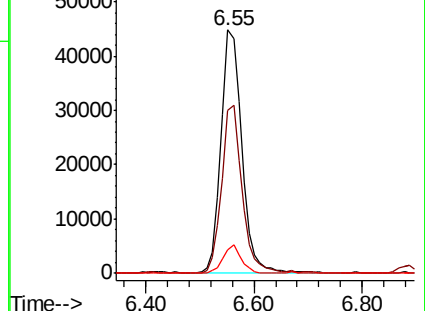
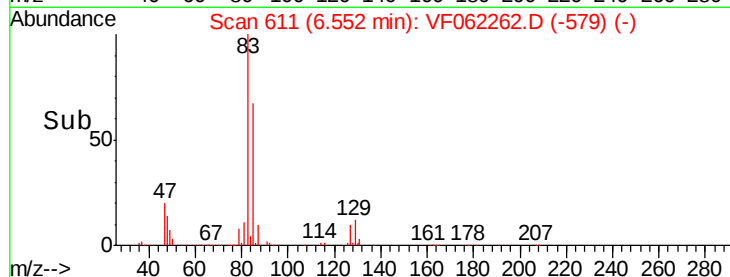
127 9.7 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 18.501 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.02 min

Lab File: VF062262.D

Acq: 23 Apr 2019 14:27

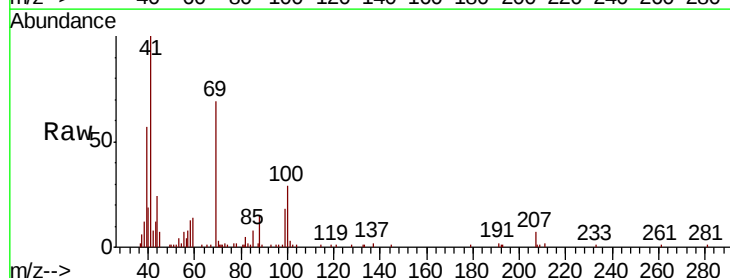
Tgt Ion: 41 Resp: 39157

Ion Ratio Lower Upper

41 100

69 72.9 54.9 82.3

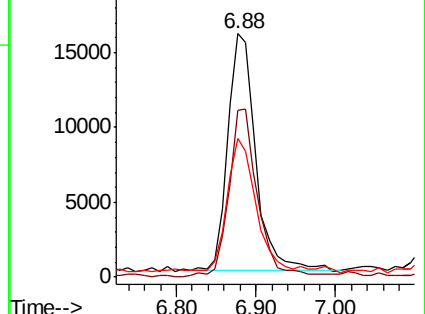
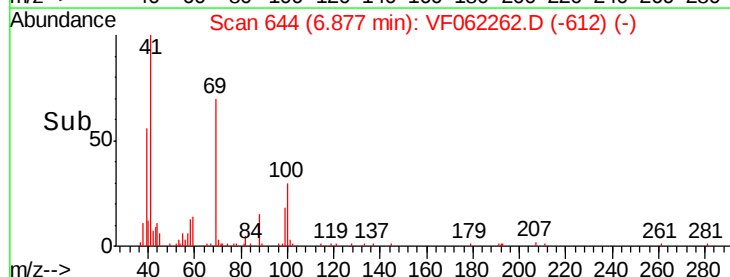
39 55.4 43.6 65.4

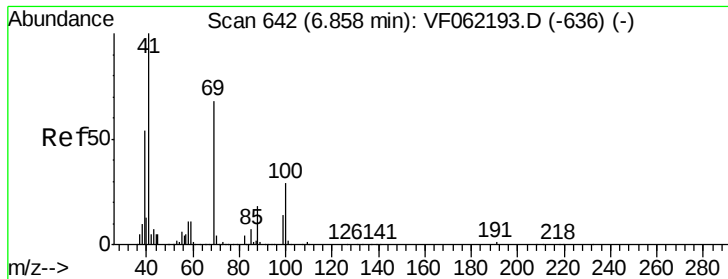


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

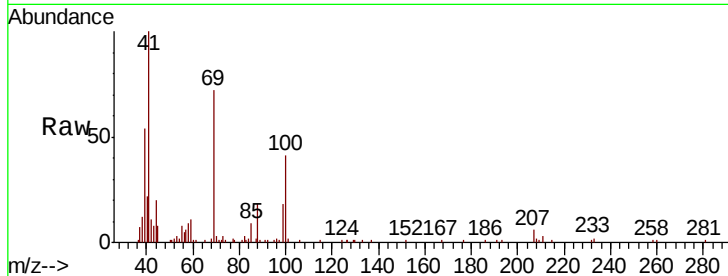




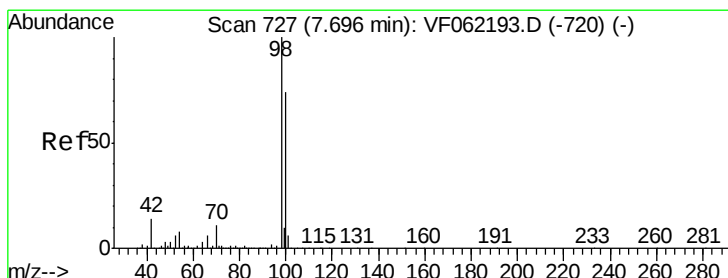
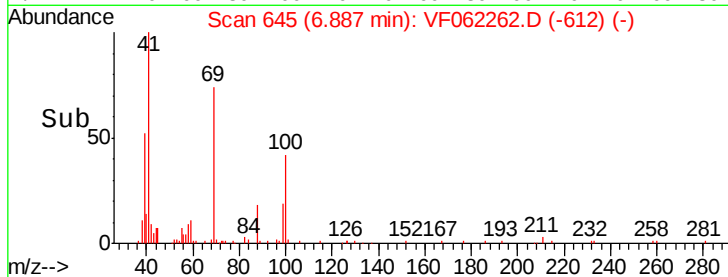
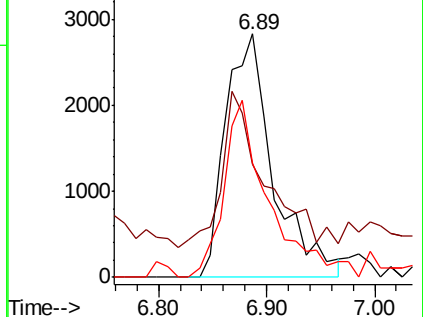
#49
1,4-Dioxane
Concen: 356.074 ug/l
RT: 6.89 min Scan# 645
Delta R.T. 0.03 min
Lab File: VF062262.D
Acq: 23 Apr 2019 14:27

Instrument :
MSVOA_F
ClientSampleId :
VF0423SBS01

Tgt Ion: 88 Resp: 8643
Ion Ratio Lower Upper
88 100
43 59.2 36.9 55.3#
58 69.0 56.8 85.2

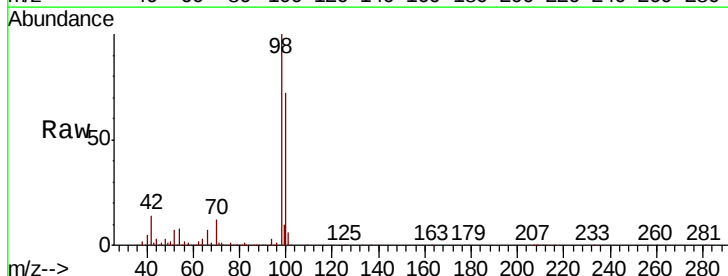


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

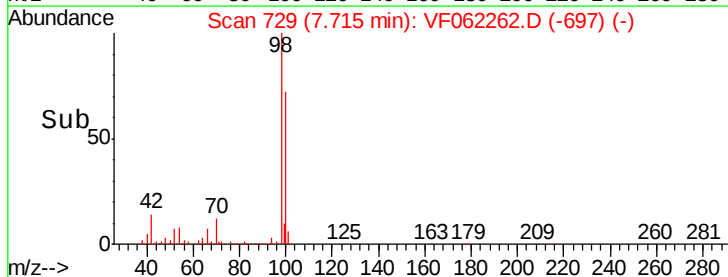
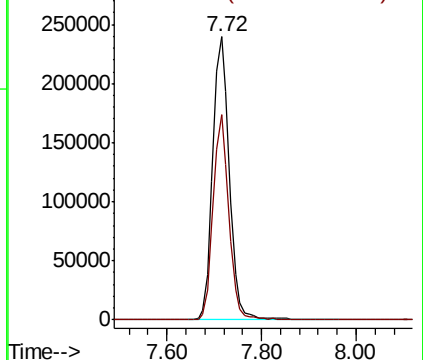


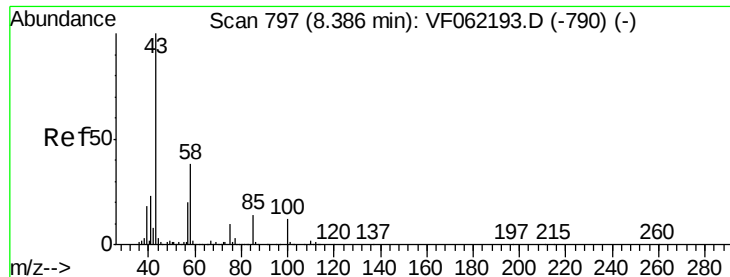
#50
Toluene-d8
Concen: 356.074 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.02 min
Lab File: VF062262.D
Acq: 23 Apr 2019 14:27

Tgt Ion: 98 Resp: 585019
Ion Ratio Lower Upper
98 100
100 68.4 56.2 84.2



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0

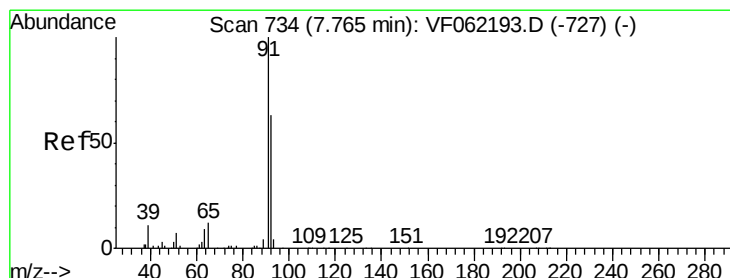
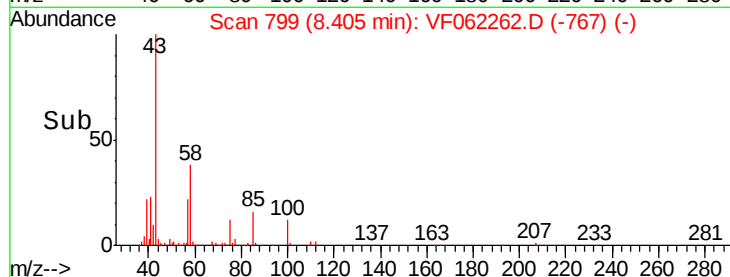
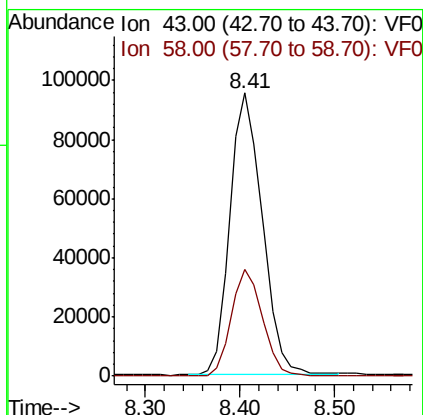
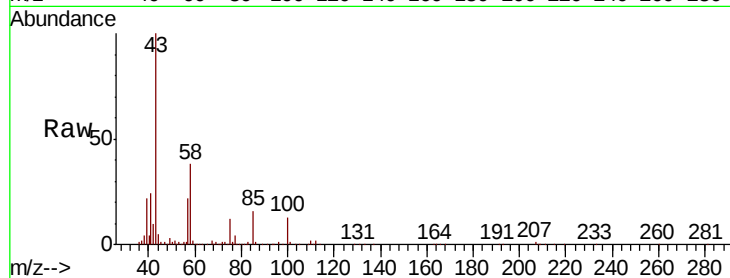




#51
 4-Methyl-2-Pentanone
 Concen: 94.660 ug/l
 RT: 8.41 min Scan# 799
 Delta R.T. 0.02 min
 Lab File: VF062262.D
 Acq: 23 Apr 2019 14:27

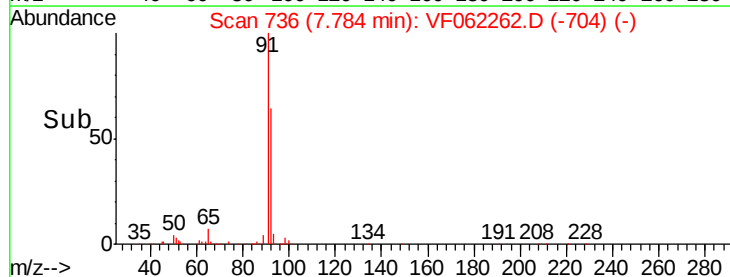
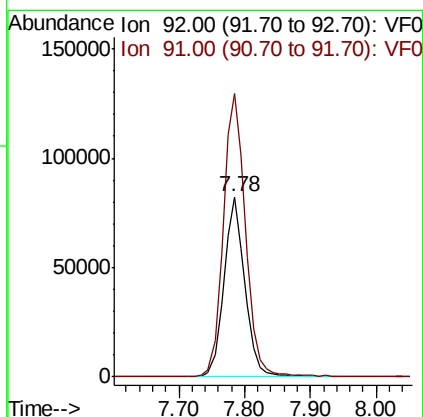
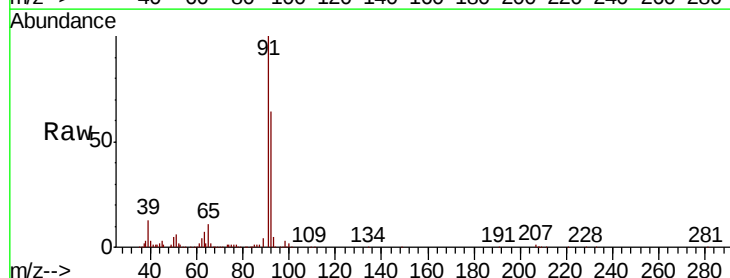
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0423SBS01

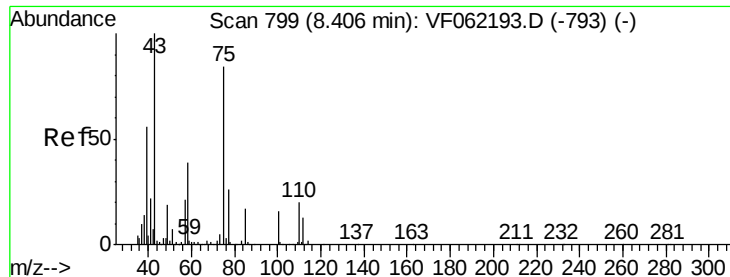
Tgt Ion: 43 Resp: 226748
 Ion Ratio Lower Upper
 43 100
 58 36.5 29.3 43.9



#52
 Toluene
 Concen: 20.286 ug/l
 RT: 7.78 min Scan# 736
 Delta R.T. 0.02 min
 Lab File: VF062262.D
 Acq: 23 Apr 2019 14:27

Tgt Ion: 92 Resp: 182003
 Ion Ratio Lower Upper
 92 100
 91 167.0 130.1 195.1

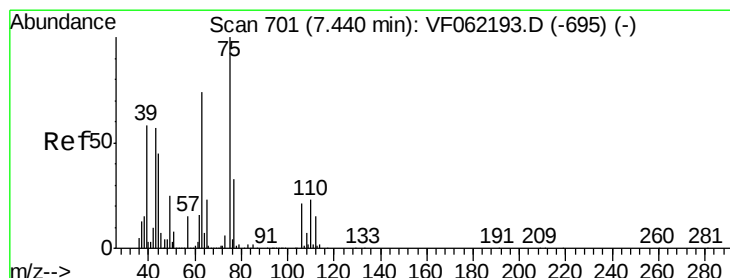
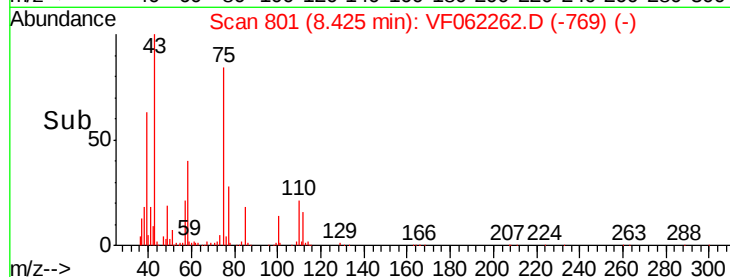
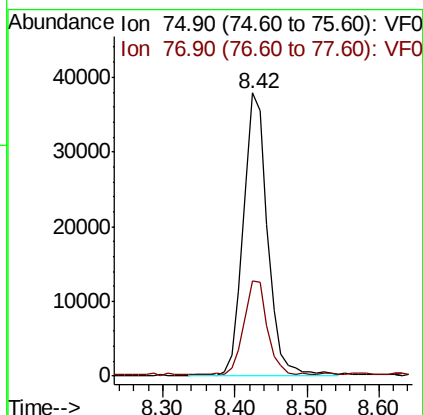
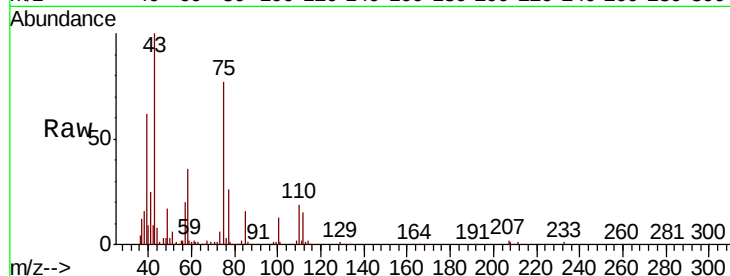




#53
 t-1,3-Dichloropropene
 Concen: 21.305 ug/l
 RT: 8.42 min Scan# 801
 Delta R.T. 0.02 min
 Lab File: VF062262.D
 Acq: 23 Apr 2019 14:27

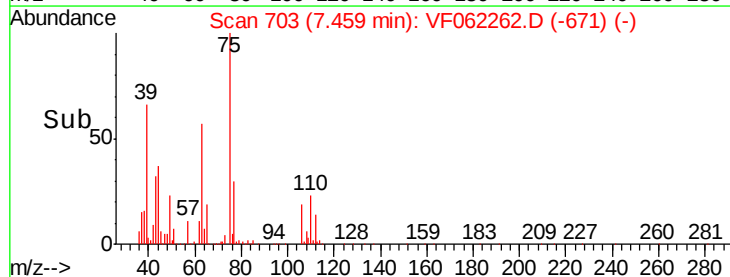
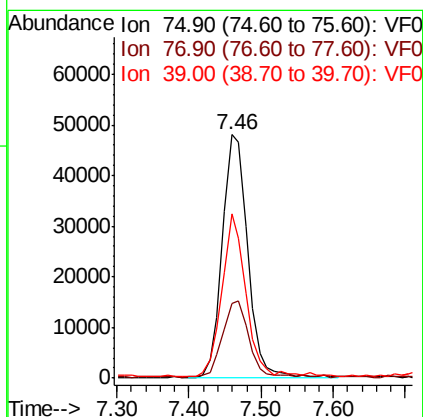
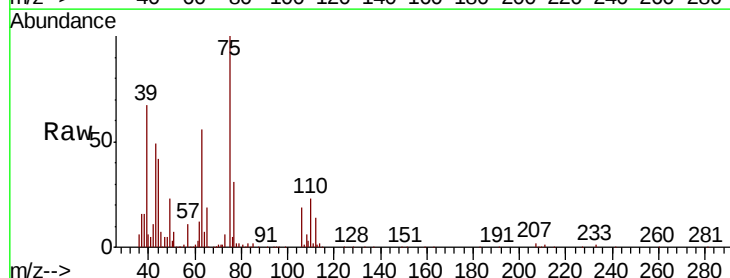
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0423SBS01

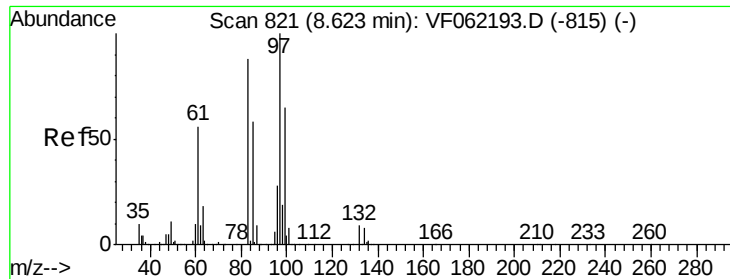
Tgt Ion: 75 Resp: 90076
 Ion Ratio Lower Upper
 75 100
 77 32.9 24.6 36.8



#54
 cis-1,3-Dichloropropene
 Concen: 20.745 ug/l
 RT: 7.46 min Scan# 703
 Delta R.T. 0.02 min
 Lab File: VF062262.D
 Acq: 23 Apr 2019 14:27

Tgt Ion: 75 Resp: 118636
 Ion Ratio Lower Upper
 75 100
 77 30.1 26.4 39.6
 39 66.7 46.7 70.1





#55

1,1,2-Trichloroethane

Concen: 21.219 ug/l

RT: 8.64 min Scan# 823

Delta R.T. 0.02 min

Lab File: VF062262.D

Acq: 23 Apr 2019 14:27

Instrument :

MSVOA_F

ClientSampleId :

VF0423SBS01

Tgt Ion: 97 Resp: 53333

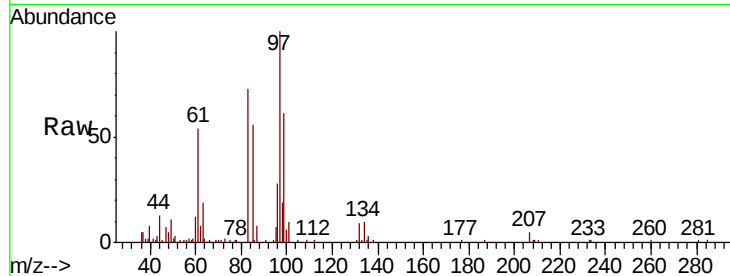
Ion Ratio Lower Upper

97 100

83 73.2 70.2 105.2

85 55.1 46.2 69.4

99 60.6 52.2 78.4

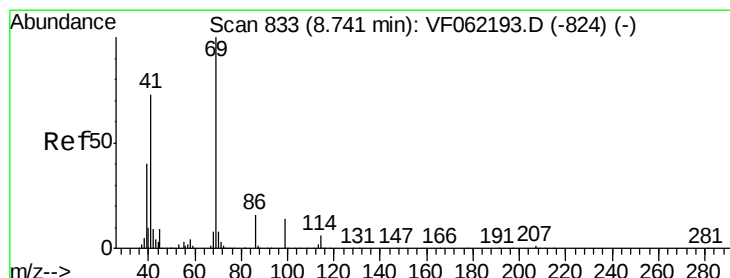
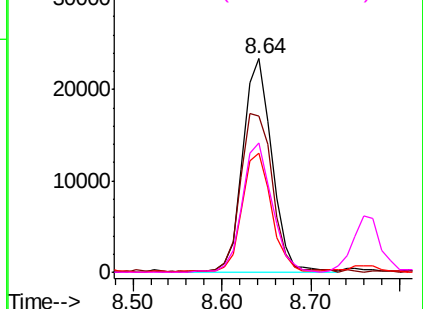
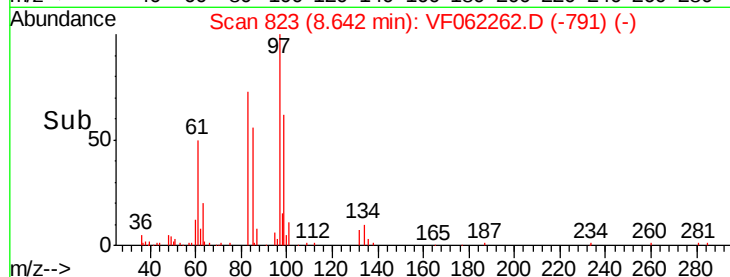


Abundance Ion 96.90 (96.60 to 97.60): VF0

Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 98.90 (98.60 to 99.60): VF0



#56

Ethyl methacrylate

Concen: 21.439 ug/l

RT: 8.76 min Scan# 835

Delta R.T. 0.02 min

Lab File: VF062262.D

Acq: 23 Apr 2019 14:27

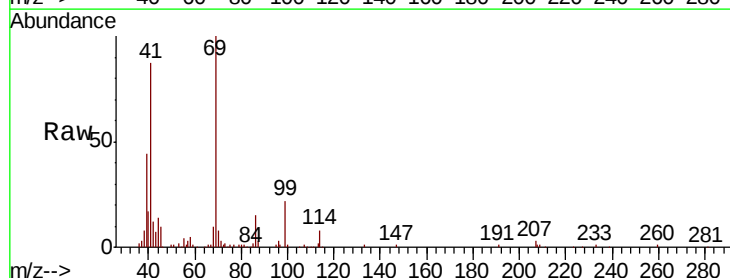
Tgt Ion: 69 Resp: 61265

Ion Ratio Lower Upper

69 100

41 78.3 61.5 92.3

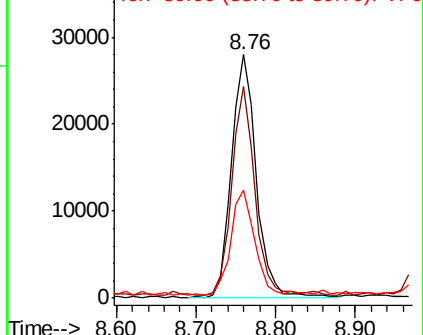
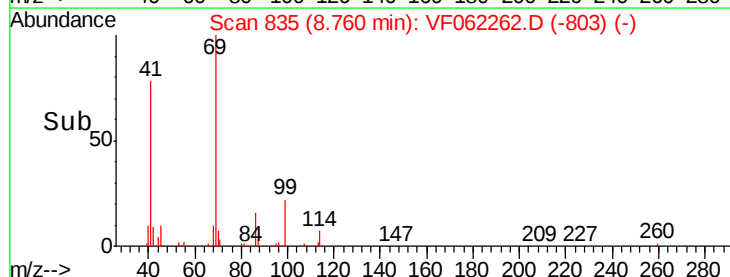
39 41.1 33.3 49.9

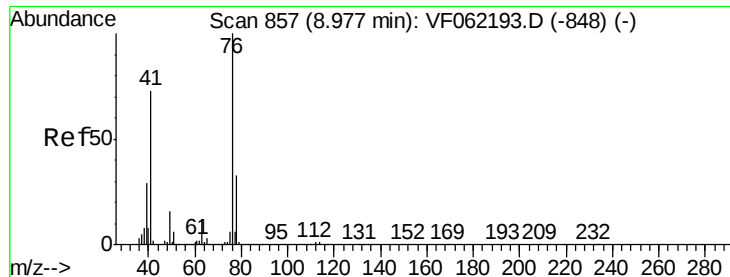


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 20.109 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.02 min

Lab File: VF062262.D

Acq: 23 Apr 2019 14:27

Instrument :

MSVOA_F

ClientSampleId :

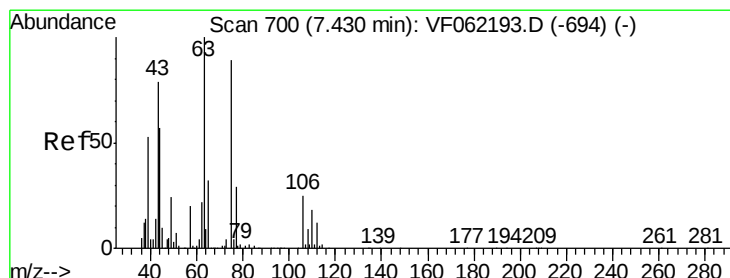
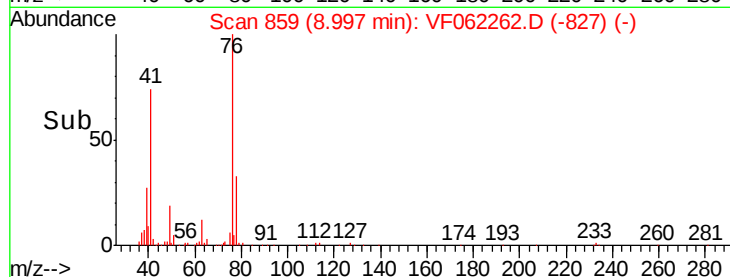
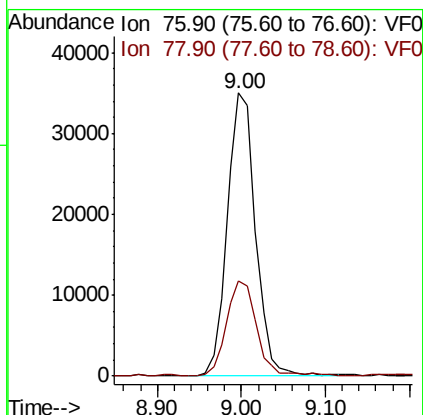
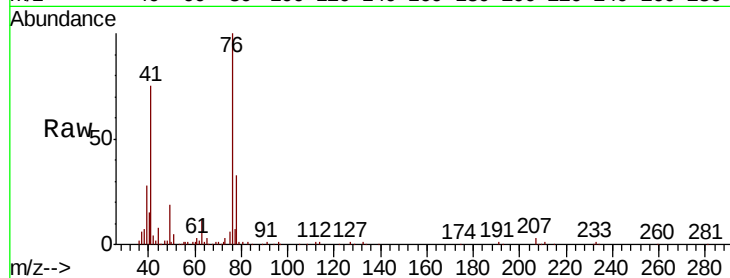
VF0423SBS01

Tgt Ion: 76 Resp: 81614

Ion Ratio Lower Upper

76 100

78 35.5 26.5 39.7



#58

2-Chloroethyl Vinyl ether

Concen: 82.369 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.02 min

Lab File: VF062262.D

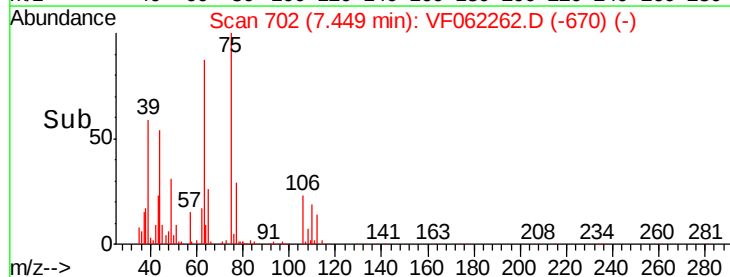
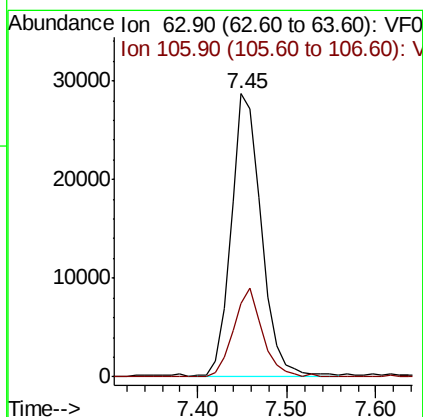
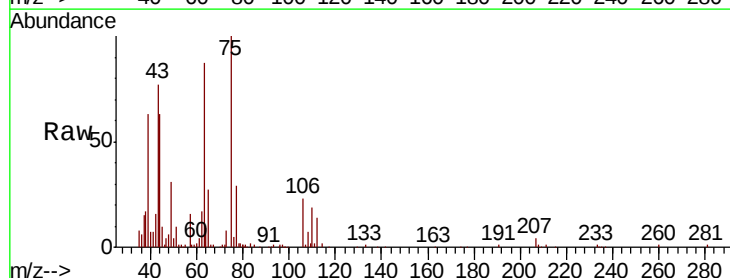
Acq: 23 Apr 2019 14:27

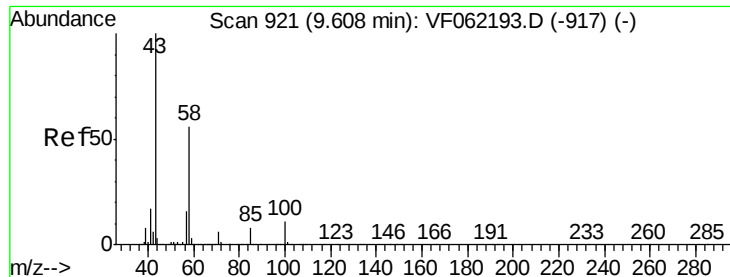
Tgt Ion: 63 Resp: 68339

Ion Ratio Lower Upper

63 100

106 29.6 21.4 32.0

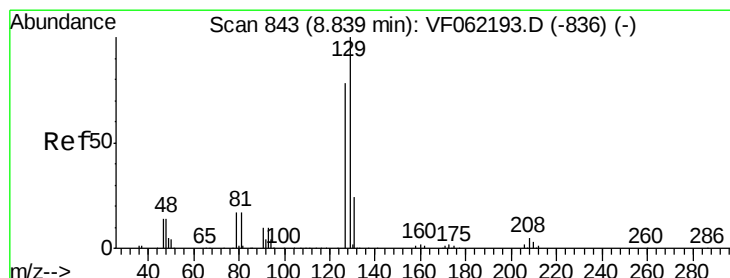
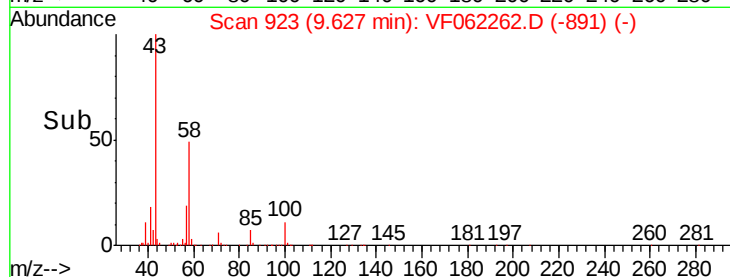
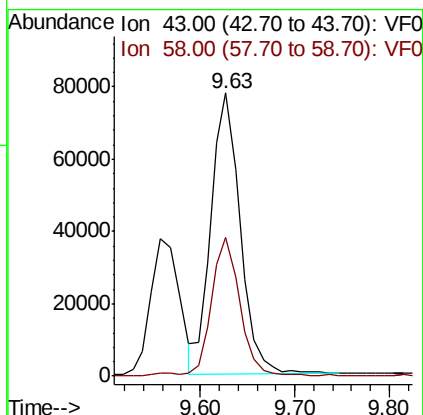
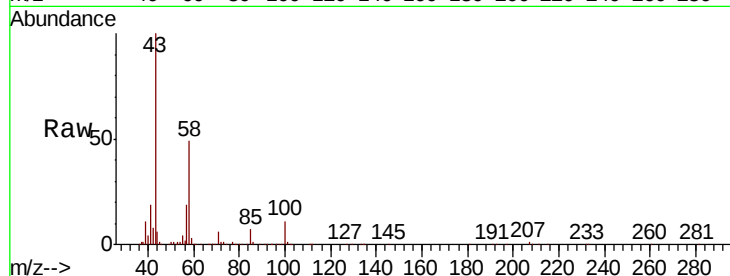




#59
2-Hexanone
Concen: 112.053 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.02 min
Lab File: VF062262.D
Acq: 23 Apr 2019 14:27

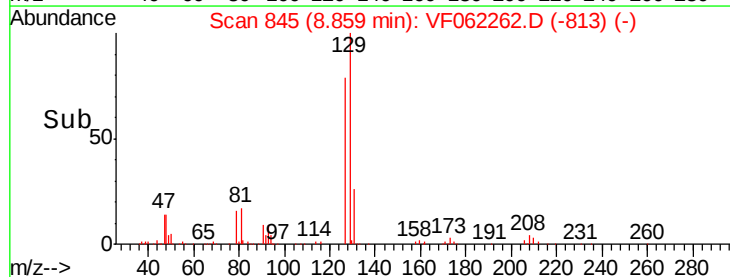
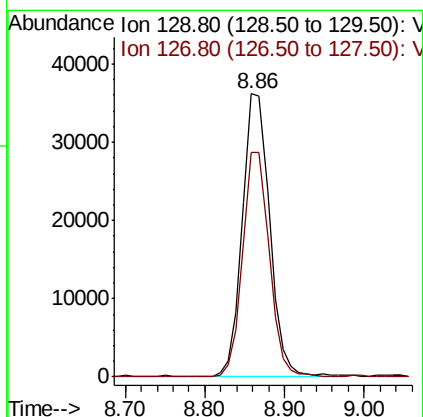
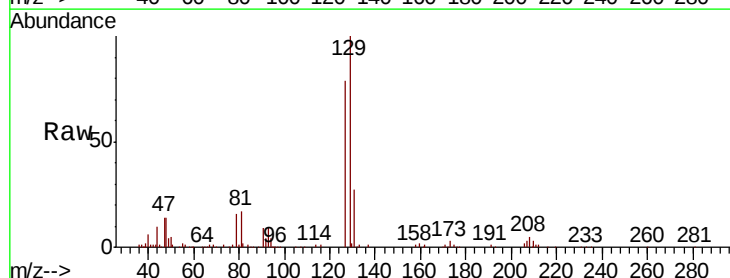
Instrument :
MSVOA_F
ClientSampleId :
VF0423SBS01

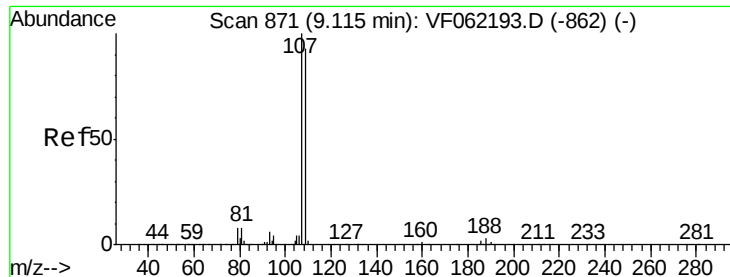
Tgt Ion: 43 Resp: 167268
Ion Ratio Lower Upper
43 100
58 47.7 24.6 74.0



#60
Dibromochloromethane
Concen: 23.161 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.02 min
Lab File: VF062262.D
Acq: 23 Apr 2019 14:27

Tgt Ion: 129 Resp: 86576
Ion Ratio Lower Upper
129 100
127 76.9 39.0 117.0





#61

1,2-Dibromoethane

Concen: 22.565 ug/l

RT: 9.13 min Scan# 873

Delta R.T. 0.02 min

Lab File: VF062262.D

Acq: 23 Apr 2019 14:27

Instrument :

MSVOA_F

ClientSampleId :

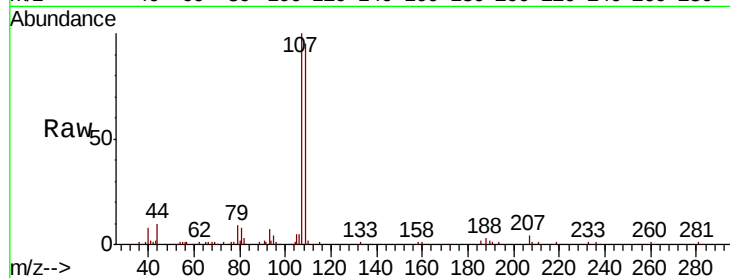
VF0423SBS01

Tgt Ion: 107 Resp: 63898

Ion Ratio Lower Upper

107 100

109 95.3 74.3 111.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.13

30000

25000

20000

15000

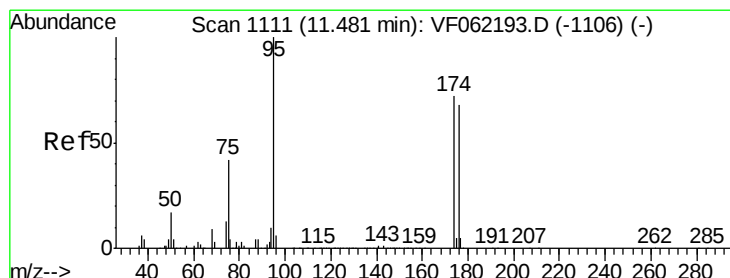
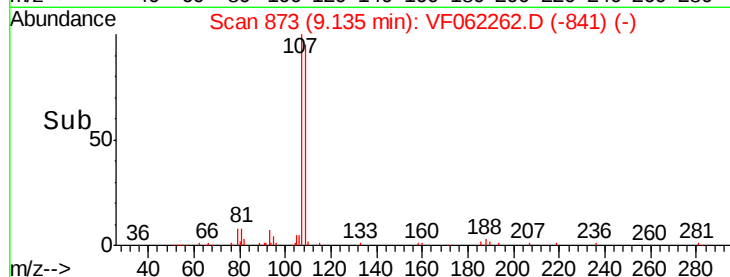
10000

5000

0

Time-->

9.00 9.10 9.20



#62

4-Bromofluorobenzene

Concen: 22.565 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VF062262.D

Acq: 23 Apr 2019 14:27

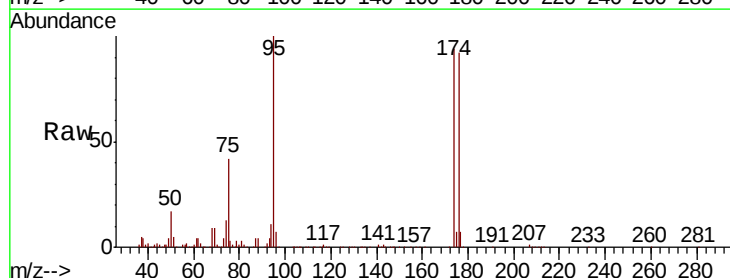
Tgt Ion: 95 Resp: 244851

Ion Ratio Lower Upper

95 100

174 90.8 0.0 159.4

176 89.4 0.0 155.4



Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

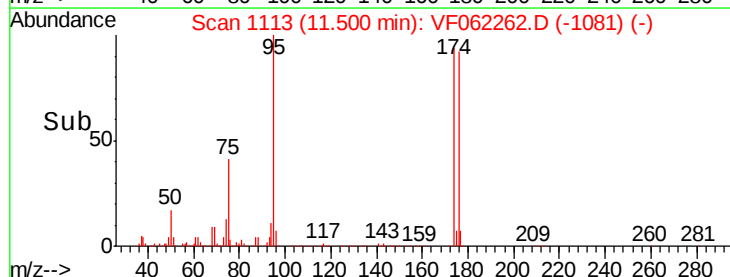
100000

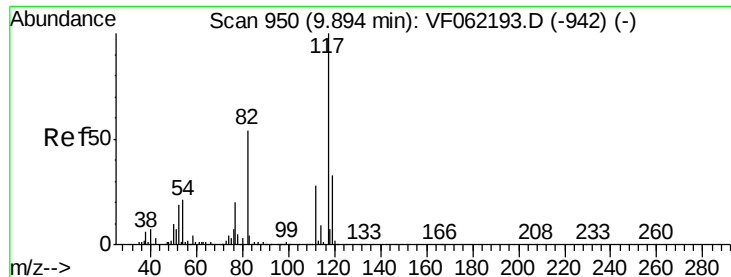
50000

0

Time-->

11.40 11.60

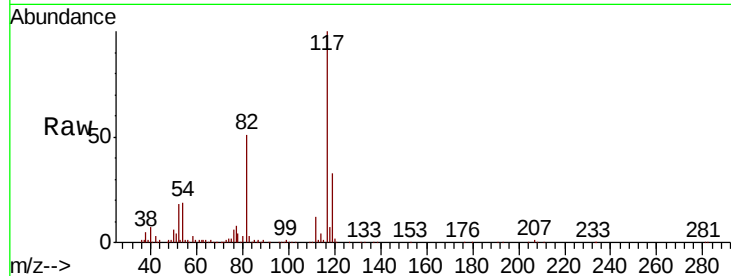




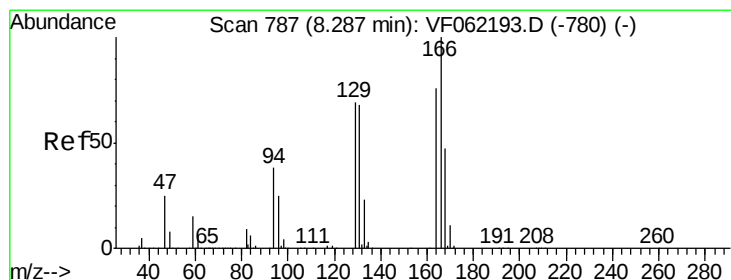
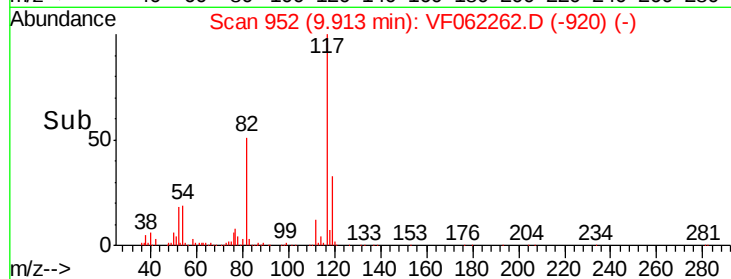
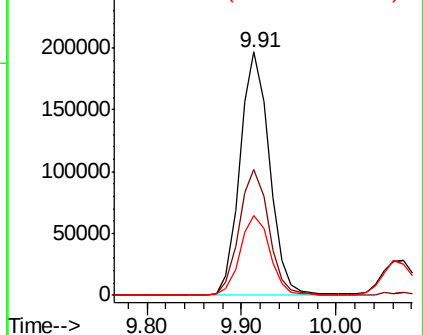
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.02 min
Lab File: VF062262.D
Acq: 23 Apr 2019 14:27

Instrument :
MSVOA_F
ClientSampleId :
VF0423SBS01

Tgt Ion:117 Resp: 427721
Ion Ratio Lower Upper
117 100
82 51.4 43.2 64.8
119 32.6 26.2 39.4

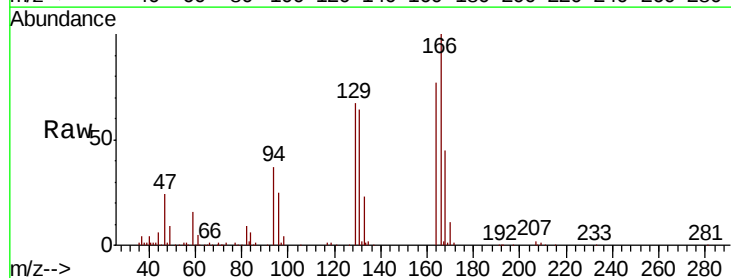


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 118.90 (118.60 to 119.60): V

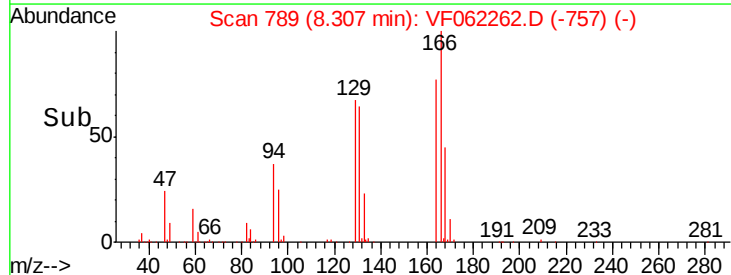
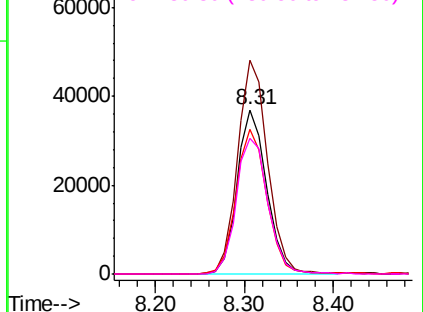


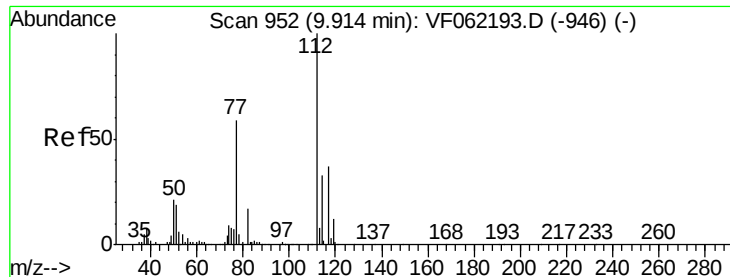
#64
Tetrachloroethene
Concen: 22.132 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.02 min
Lab File: VF062262.D
Acq: 23 Apr 2019 14:27

Tgt Ion:164 Resp: 85453
Ion Ratio Lower Upper
164 100
166 130.1 104.7 157.1
129 87.8 72.6 109.0
131 83.0 71.6 107.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 21.462 ug/l

RT: 9.93 min Scan# 954

Delta R.T. 0.02 min

Lab File: VF062262.D

Acq: 23 Apr 2019 14:27

Instrument :

MSVOA_F

ClientSampleId :

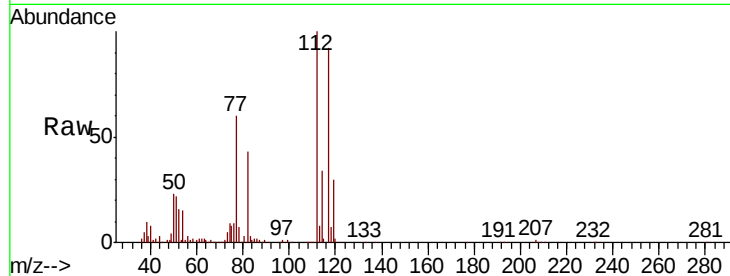
VF0423SBS01

Tgt Ion:112 Resp: 195743

Ion Ratio Lower Upper

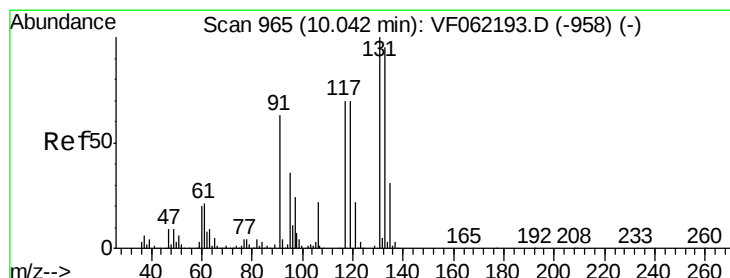
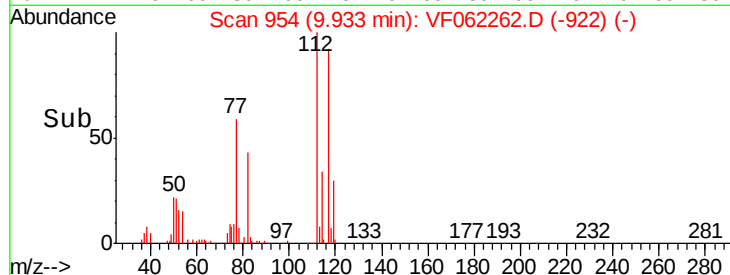
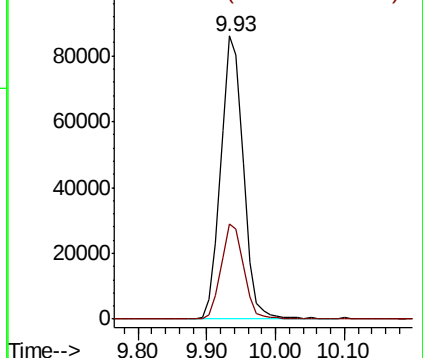
112 100

114 33.9 26.1 39.1



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.847 ug/l

RT: 10.07 min Scan# 968

Delta R.T. 0.03 min

Lab File: VF062262.D

Acq: 23 Apr 2019 14:27

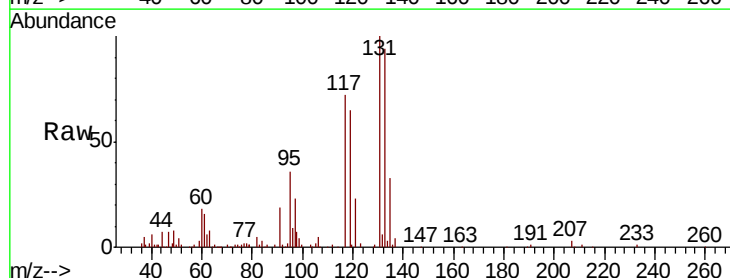
Tgt Ion:131 Resp: 93310

Ion Ratio Lower Upper

131 100

133 97.1 47.7 143.1

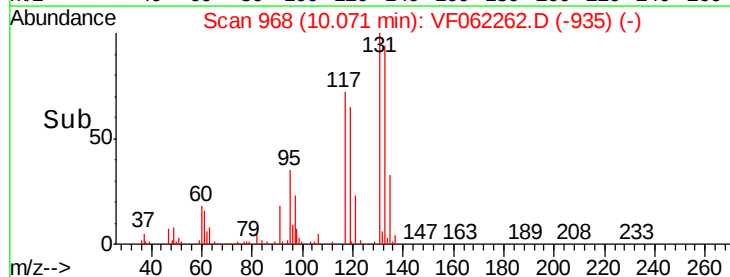
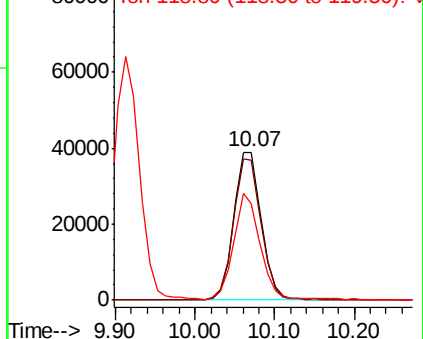
119 67.6 34.6 103.9

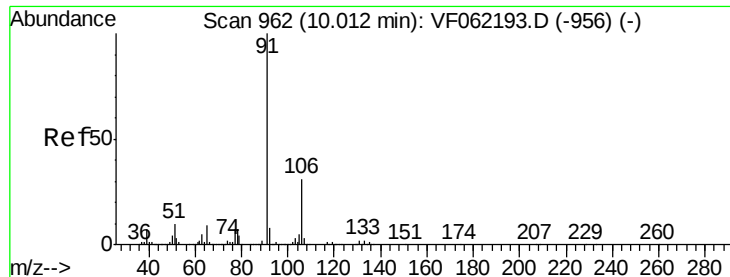


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 21.355 ug/l

RT: 10.03 min Scan# 964

Delta R.T. 0.02 min

Lab File: VF062262.D

Acq: 23 Apr 2019 14:27

Instrument :

MSVOA_F

ClientSampleId :

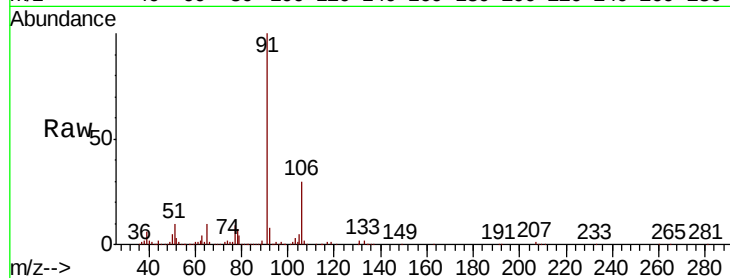
VF0423SBS01

Tgt Ion: 91 Resp: 354149

Ion Ratio Lower Upper

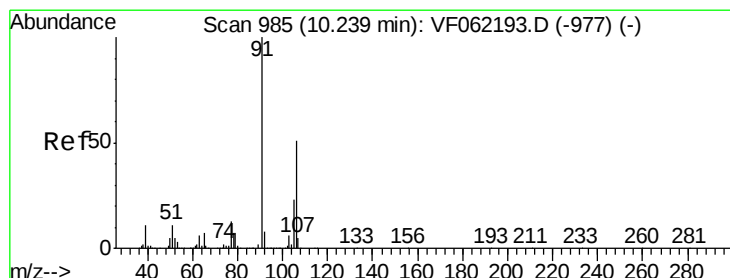
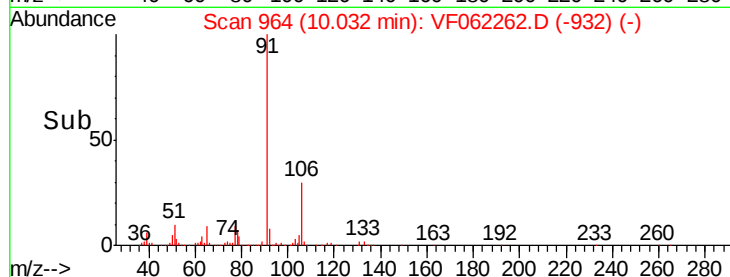
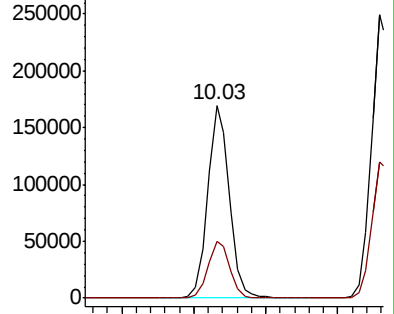
91 100

106 29.6 24.9 37.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 42.421 ug/l

RT: 10.26 min Scan# 987

Delta R.T. 0.02 min

Lab File: VF062262.D

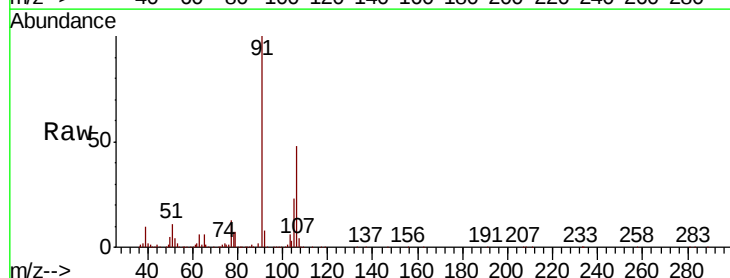
Acq: 23 Apr 2019 14:27

Tgt Ion: 106 Resp: 258981

Ion Ratio Lower Upper

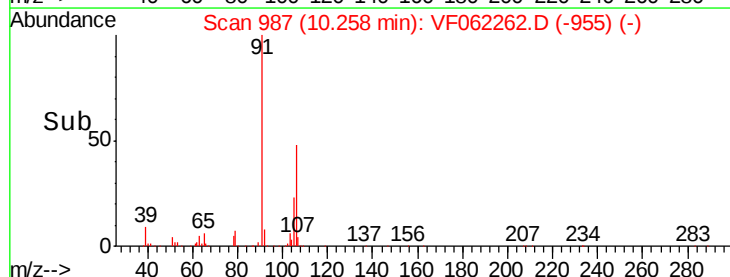
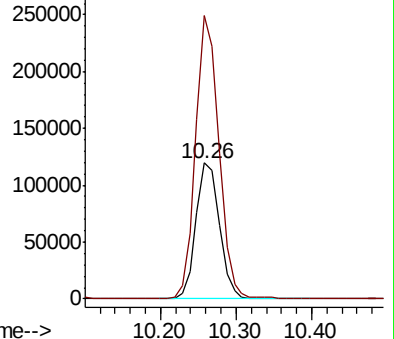
106 100

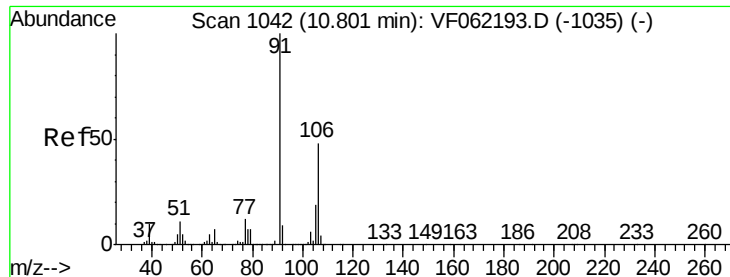
91 204.5 159.1 238.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

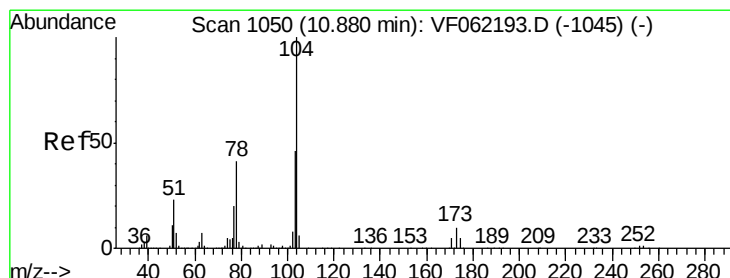
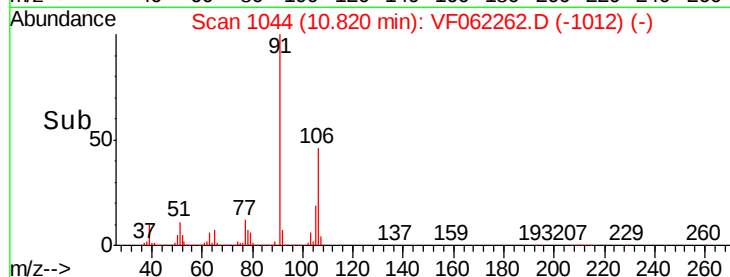
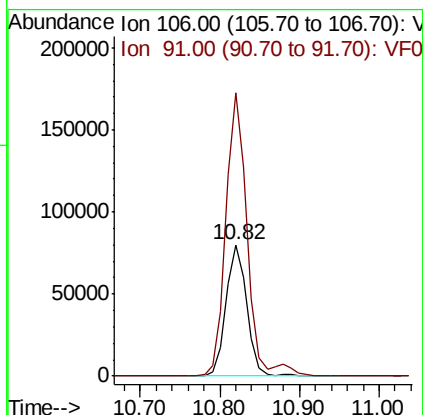
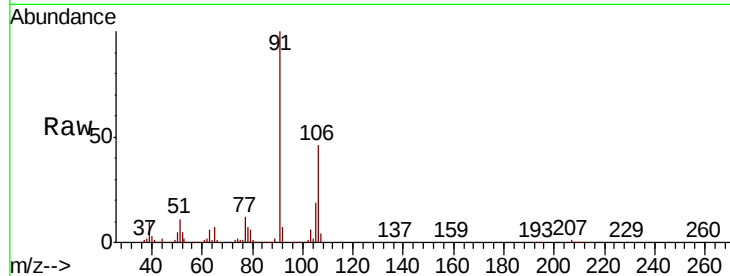




#69
o-Xylene
Concen: 21.671 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.02 min
Lab File: VF062262.D
Acq: 23 Apr 2019 14:27

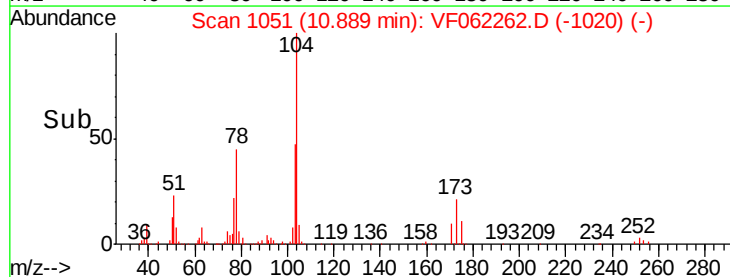
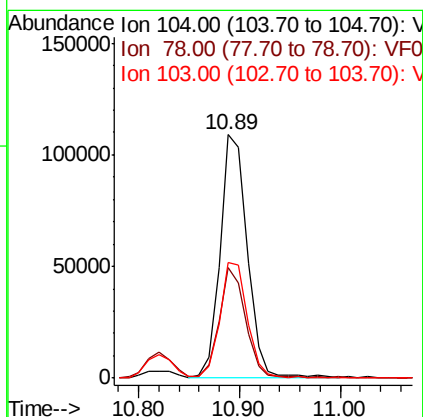
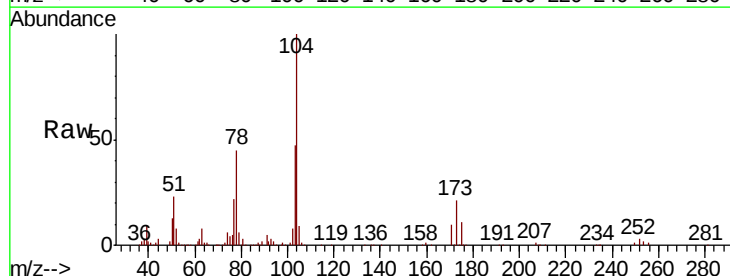
Instrument :
MSVOA_F
ClientSampleId :
VF0423SBS01

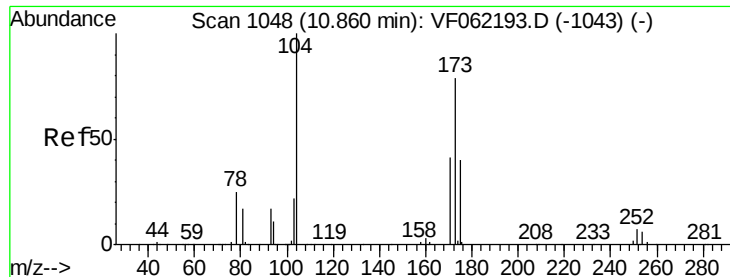
Tgt Ion:106 Resp: 146888
Ion Ratio Lower Upper
106 100
91 216.1 107.5 322.4



#70
Styrene
Concen: 21.320 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VF062262.D
Acq: 23 Apr 2019 14:27

Tgt Ion:104 Resp: 203931
Ion Ratio Lower Upper
104 100
78 43.9 34.5 51.7
103 47.8 37.2 55.8

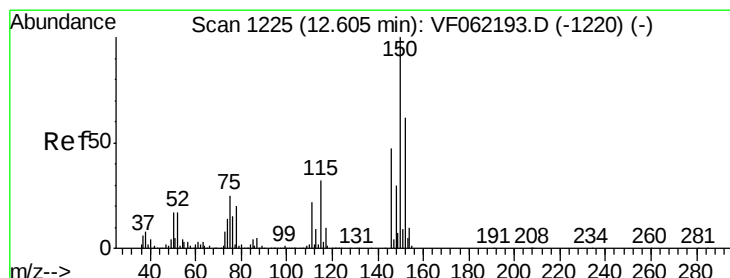
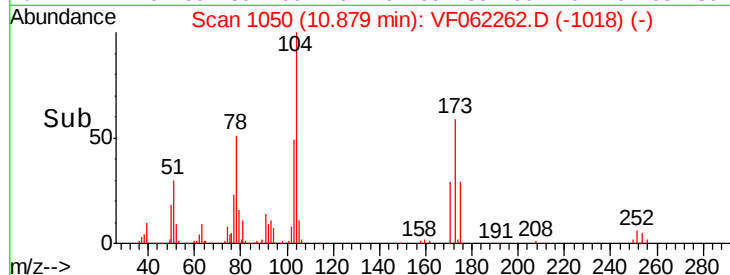
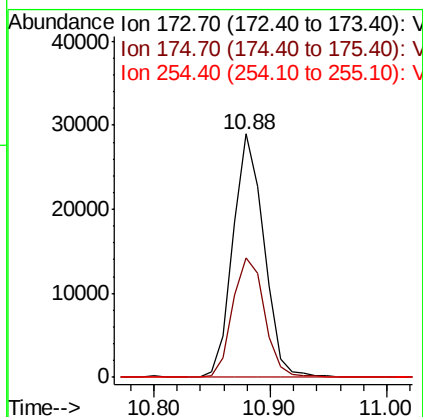
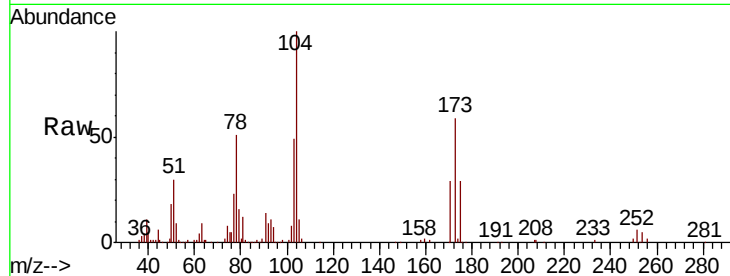




#71
Bromoform
Concen: 23.760 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. 0.02 min
Lab File: VF062262.D
Acq: 23 Apr 2019 14:27

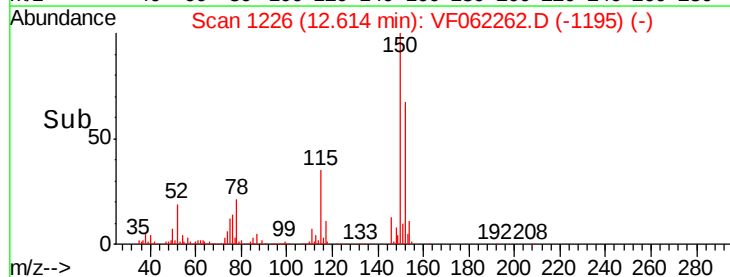
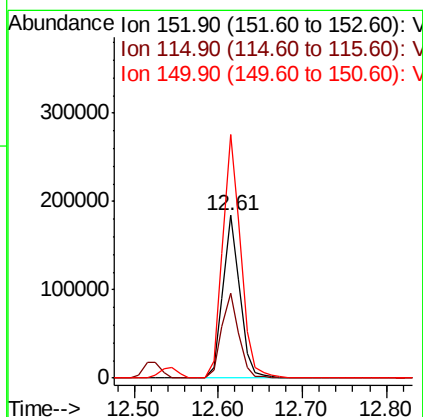
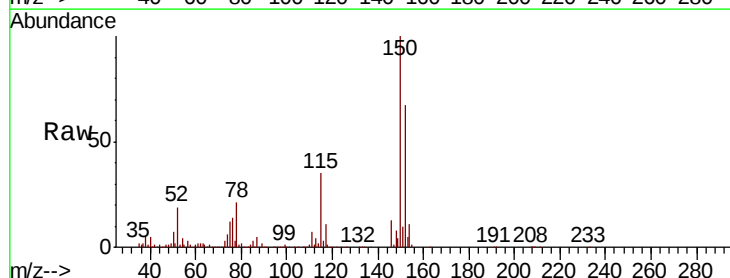
Instrument :
MSVOA_F
ClientSampleId :
VF0423SBS01

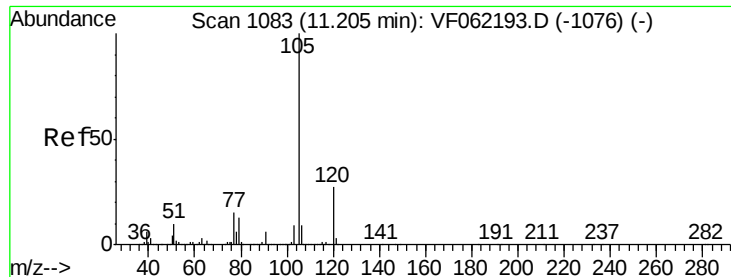
Tgt Ion:173 Resp: 53579
Ion Ratio Lower Upper
173 100
175 50.4 24.5 73.5
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VF062262.D
Acq: 23 Apr 2019 14:27

Tgt Ion:152 Resp: 261627
Ion Ratio Lower Upper
152 100
115 52.6 27.8 83.3
150 157.4 0.0 341.8





#73

Isopropylbenzene

Concen: 19.786 ug/l

RT: 11.21 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VF062262.D

Acq: 23 Apr 2019 14:27

Instrument :

MSVOA_F

ClientSampleId :

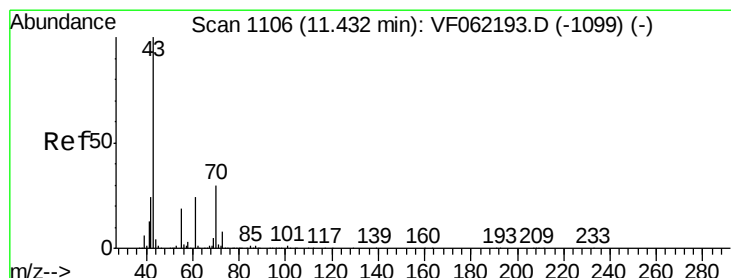
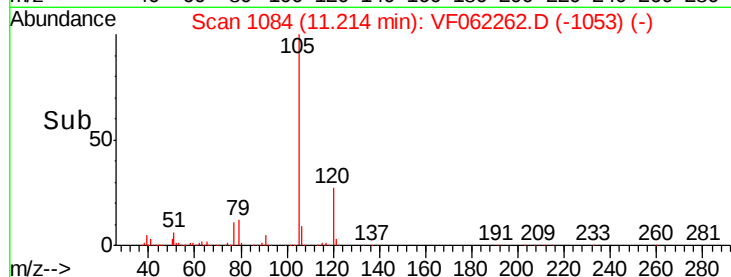
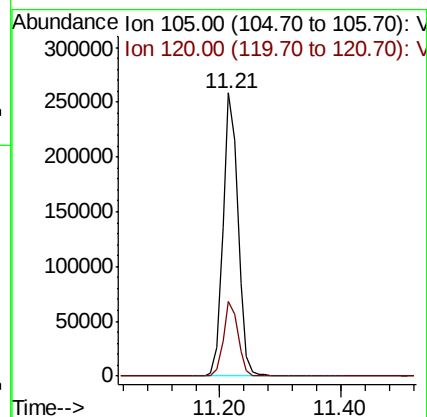
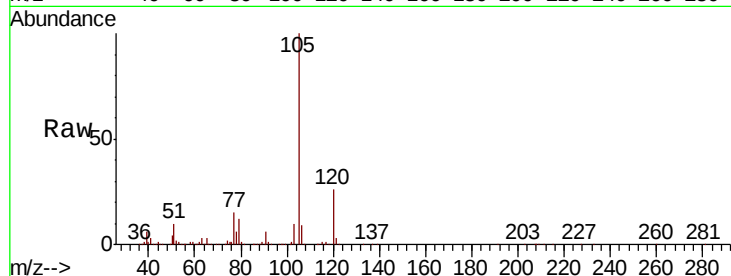
VF0423SBS01

Tgt Ion: 105 Resp: 444659

Ion Ratio Lower Upper

105 100

120 25.5 13.0 38.9



#74

N-ethyl acetate

Concen: 18.458 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.02 min

Lab File: VF062262.D

Acq: 23 Apr 2019 14:27

Tgt Ion: 43 Resp: 105814

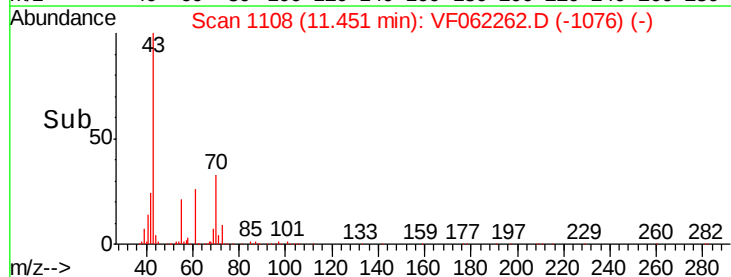
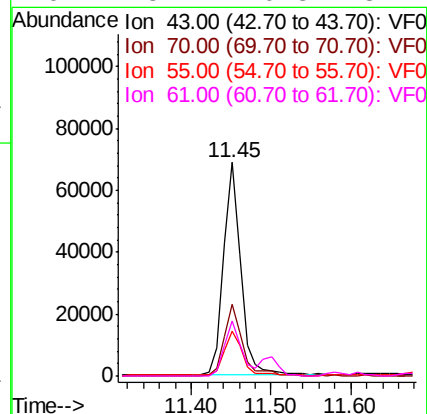
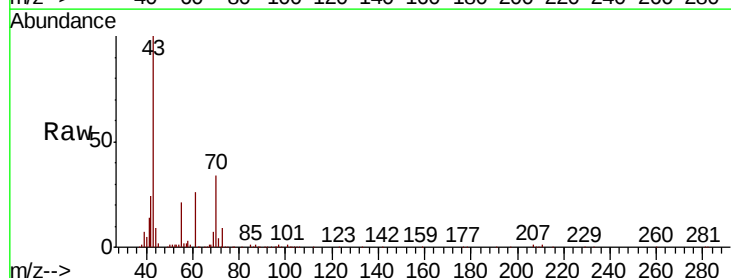
Ion Ratio Lower Upper

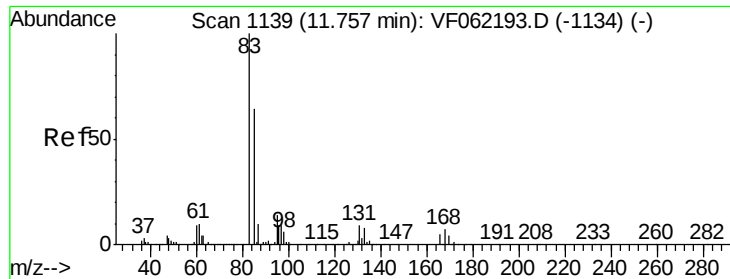
43 100

70 35.6 27.0 40.4

55 22.3 15.7 23.5

61 25.7 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 18.675 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.02 min

Lab File: VF062262.D

Acq: 23 Apr 2019 14:27

Instrument :

MSVOA_F

ClientSampleId :

VF0423SBS01

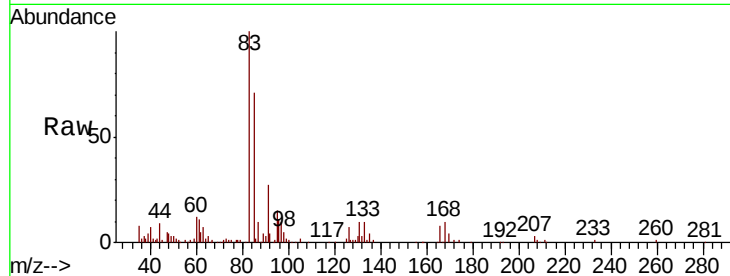
Tgt Ion: 83 Resp: 72180

Ion Ratio Lower Upper

83 100

131 9.6 4.5 13.5

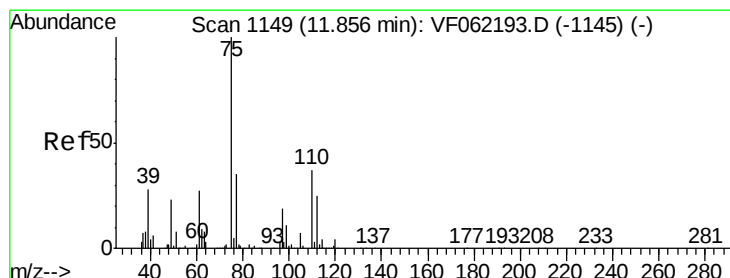
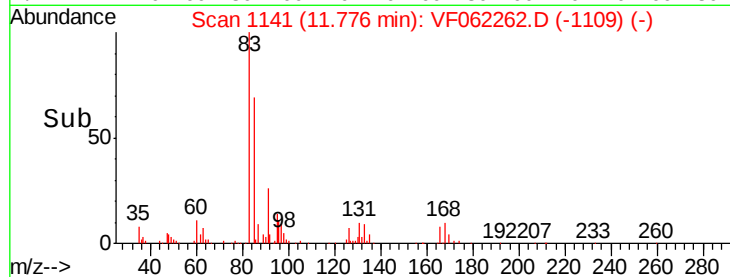
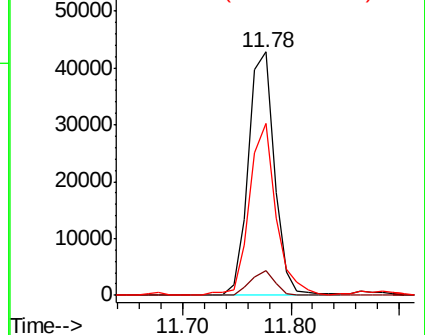
85 72.4 34.7 104.1



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 18.651 ug/l

RT: 11.87 min Scan# 1151

Delta R.T. 0.02 min

Lab File: VF062262.D

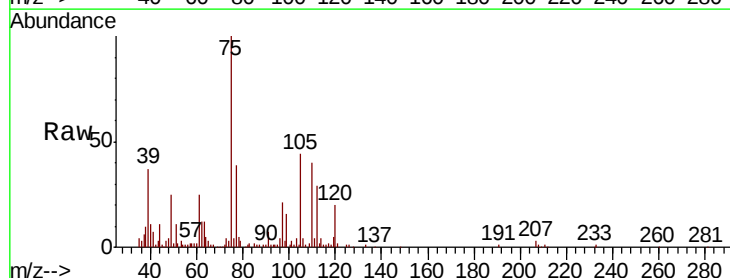
Acq: 23 Apr 2019 14:27

Tgt Ion: 75 Resp: 49594

Ion Ratio Lower Upper

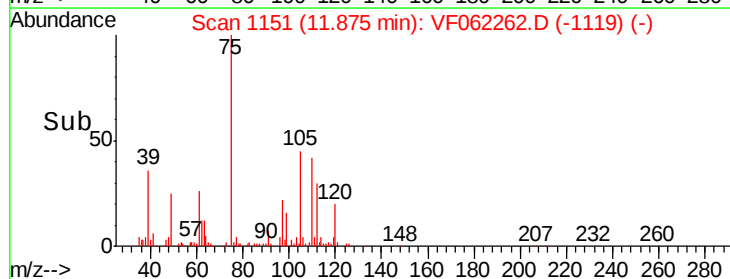
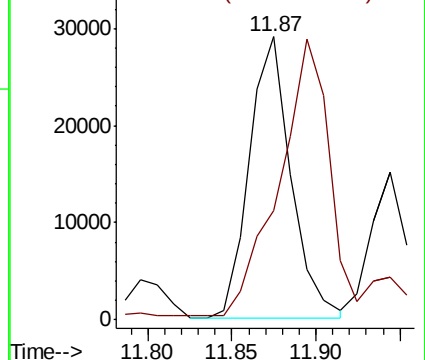
75 100

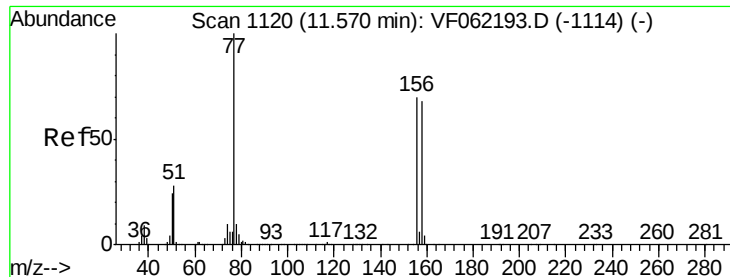
77 117.5 7.4 22.2#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0

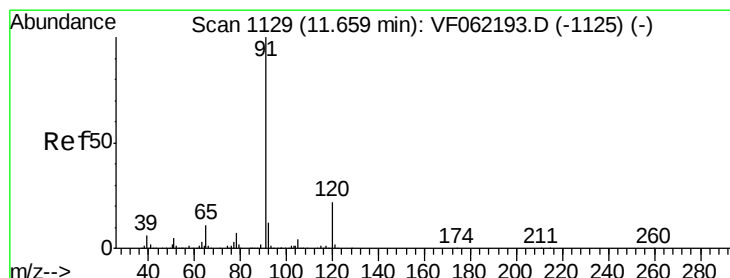
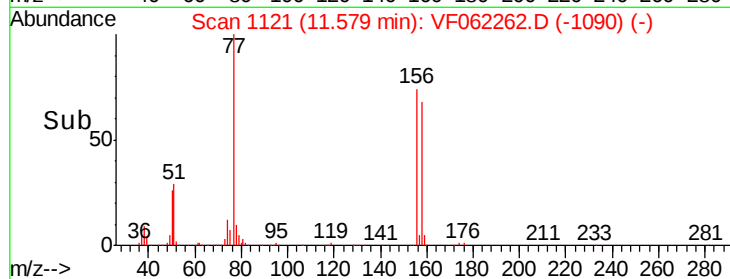
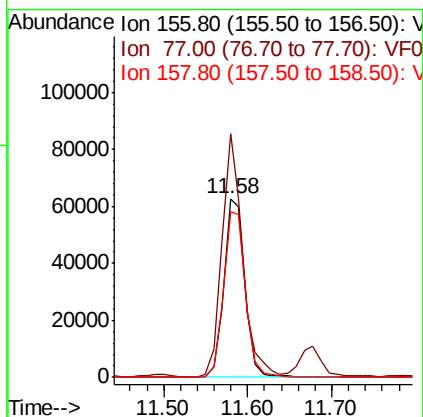
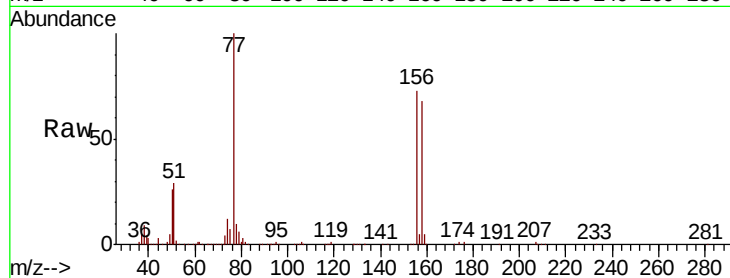




#77
Bromobenzene
Concen: 22.350 ug/l
RT: 11.58 min Scan# 1121
Delta R.T. 0.01 min
Lab File: VF062262.D
Acq: 23 Apr 2019 14:27

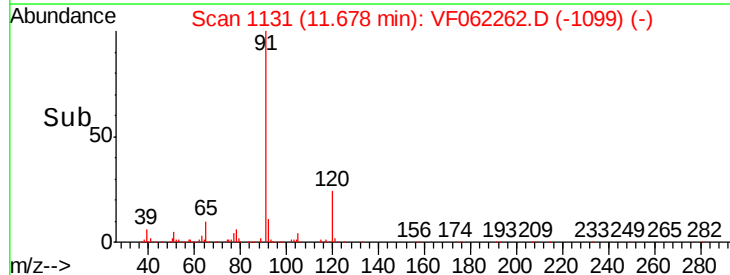
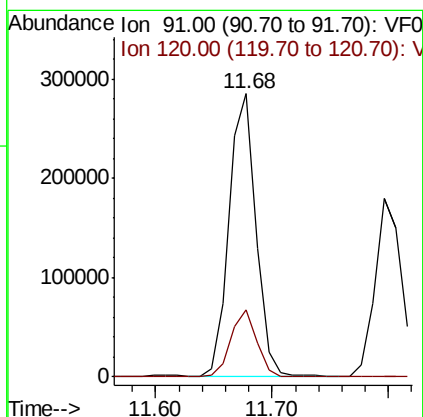
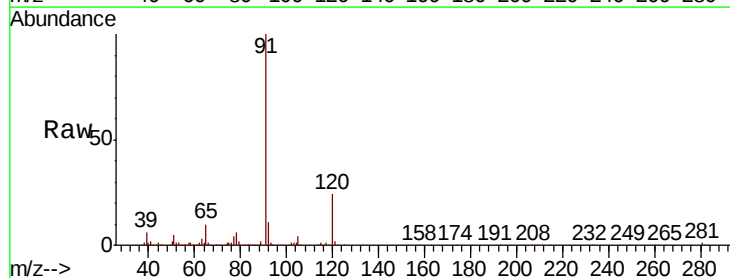
Instrument :
MSVOA_F
ClientSampleId :
VF0423SBS01

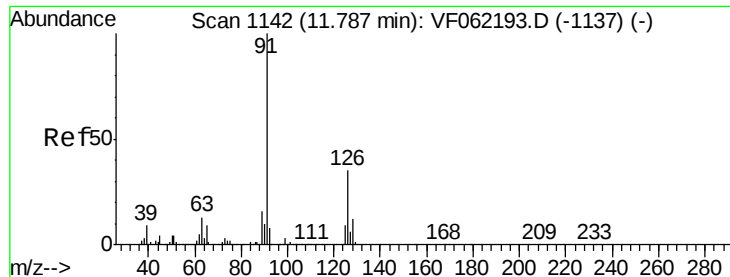
Tgt Ion: 156 Resp: 107599
Ion Ratio Lower Upper
156 100
77 134.1 80.9 242.7
158 96.7 49.8 149.4



#78
n-propylbenzene
Concen: 19.218 ug/l
RT: 11.68 min Scan# 1131
Delta R.T. 0.02 min
Lab File: VF062262.D
Acq: 23 Apr 2019 14:27

Tgt Ion: 91 Resp: 455620
Ion Ratio Lower Upper
91 100
120 22.8 11.2 33.6





#79

2-Chlorotoluene

Concen: 19.479 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF062262.D

Acq: 23 Apr 2019 14:27

Instrument :

MSVOA_F

ClientSampleId :

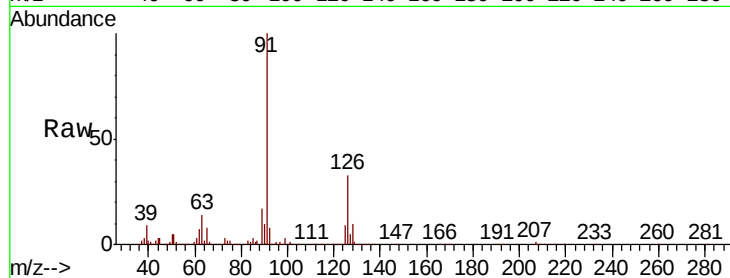
VF0423SBS01

Tgt Ion: 91 Resp: 280137

Ion Ratio Lower Upper

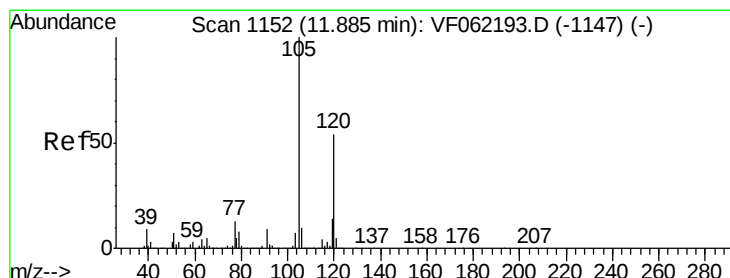
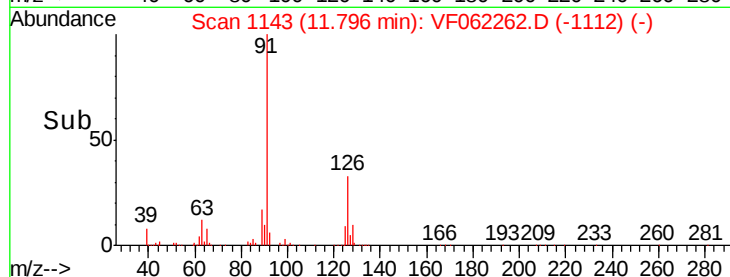
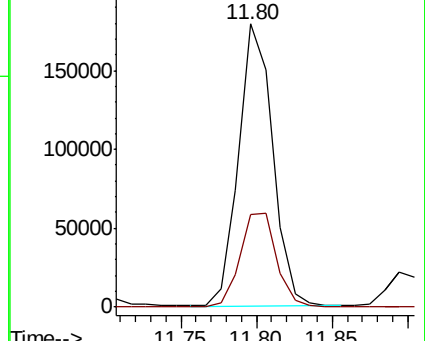
91 100

126 35.9 16.9 50.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.153 ug/l

RT: 11.89 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF062262.D

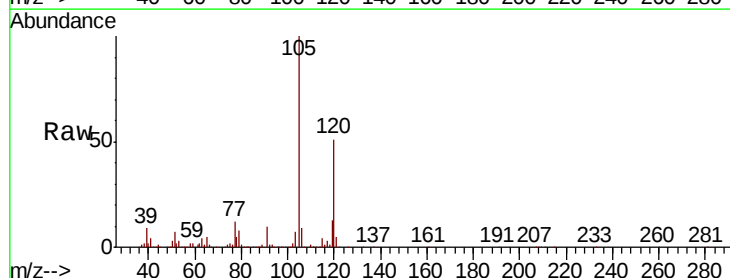
Acq: 23 Apr 2019 14:27

Tgt Ion: 105 Resp: 358505

Ion Ratio Lower Upper

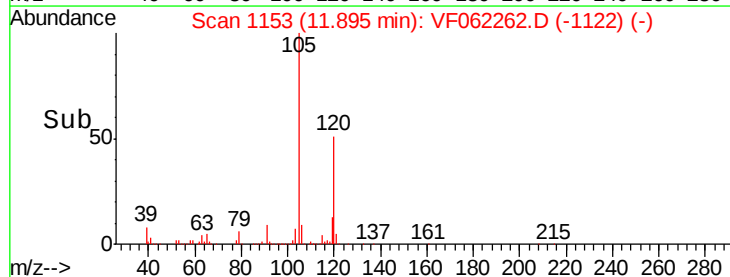
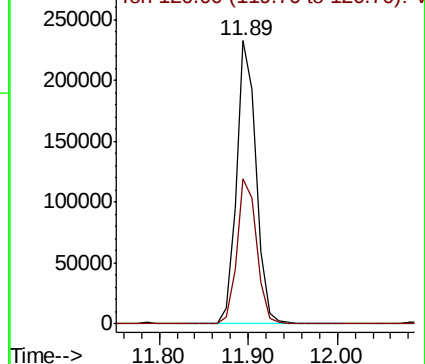
105 100

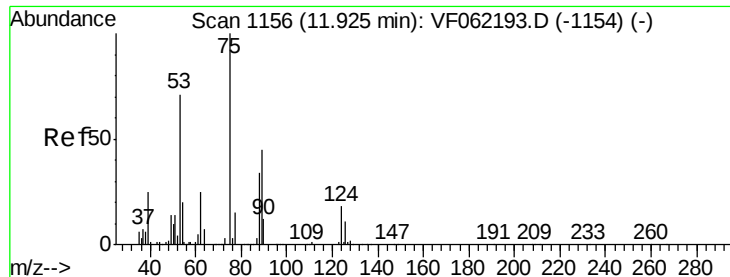
120 52.2 26.2 78.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 23.545 ug/l

RT: 11.94 min Scan# 1158

Delta R.T. 0.02 min

Lab File: VF062262.D

Acq: 23 Apr 2019 14:27

Instrument :

MSVOA_F

ClientSampleId :

VF0423SBS01

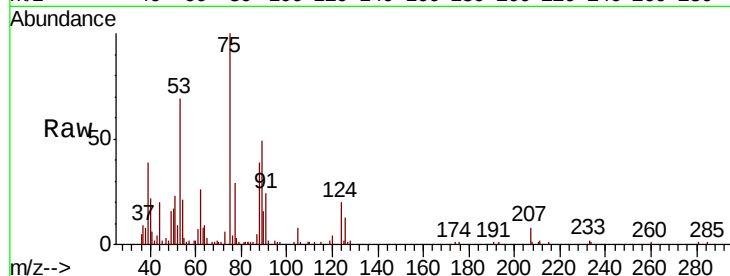
Tgt Ion: 75 Resp: 31931

Ion Ratio Lower Upper

75 100

53 52.9 50.2 75.4

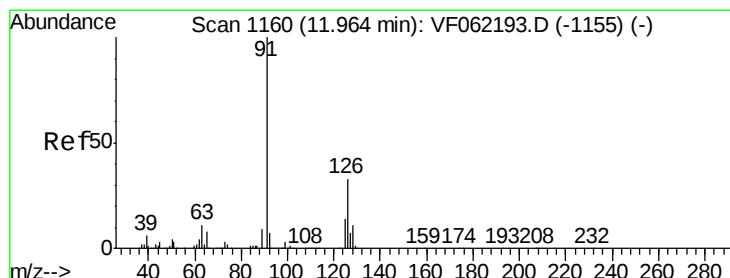
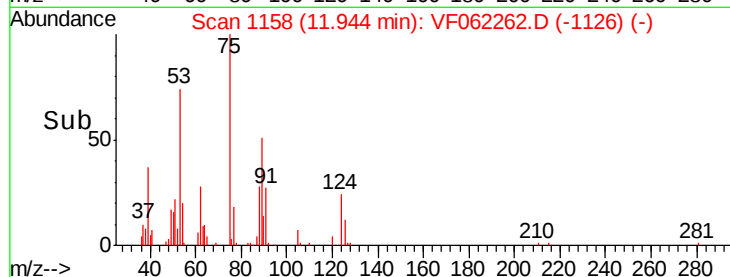
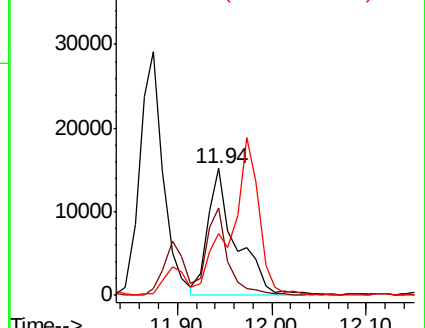
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 88.90 (88.60 to 89.60): VF0



#82

4-Chlorotoluene

Concen: 19.136 ug/l

RT: 11.97 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VF062262.D

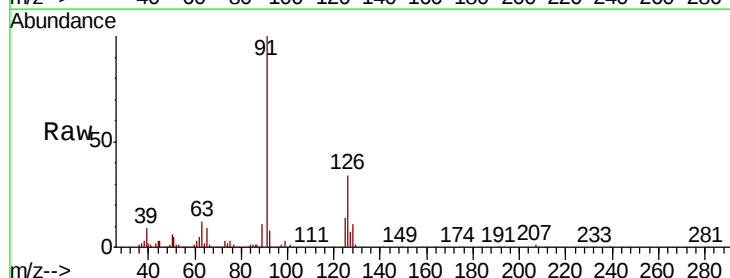
Acq: 23 Apr 2019 14:27

Tgt Ion: 91 Resp: 265953

Ion Ratio Lower Upper

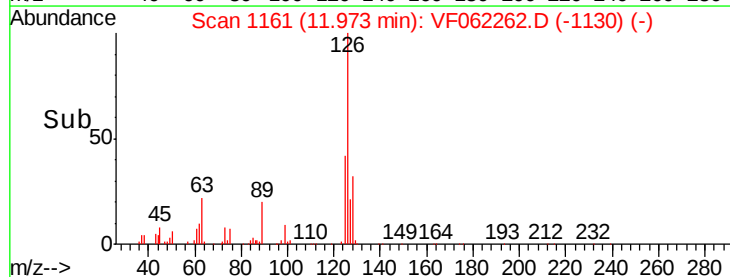
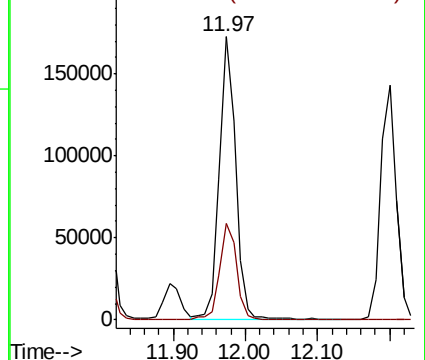
91 100

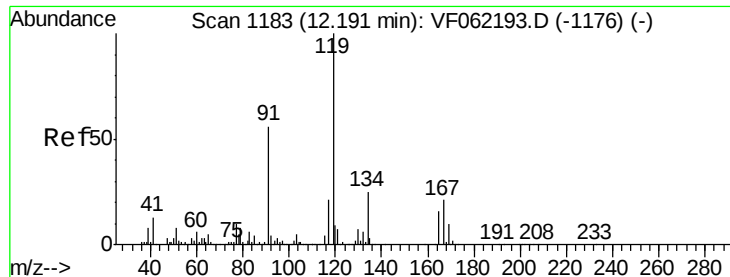
126 35.8 16.9 50.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V

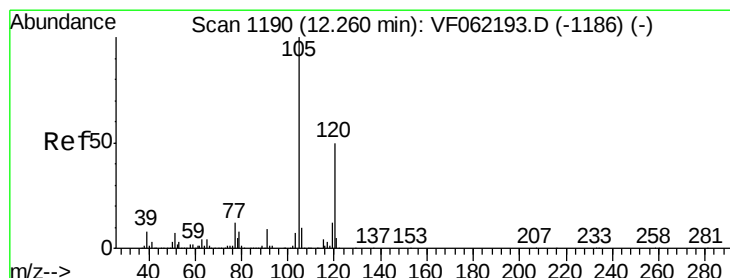
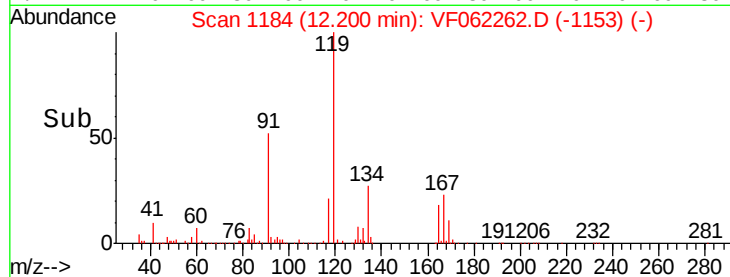
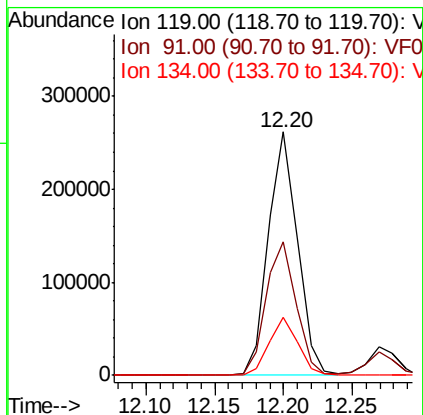
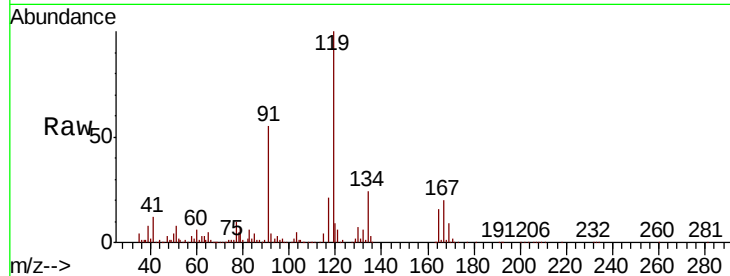




#83
 tert-Butylbenzene
 Concen: 20.054 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. 0.01 min
 Lab File: VF062262.D
 Acq: 23 Apr 2019 14:27

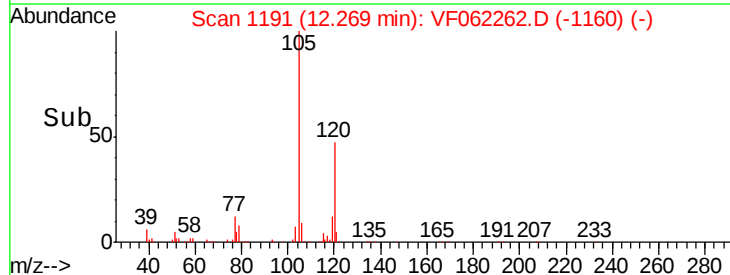
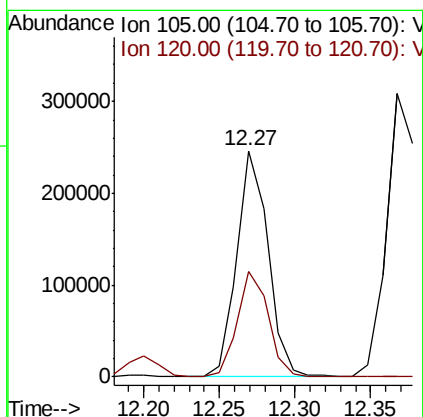
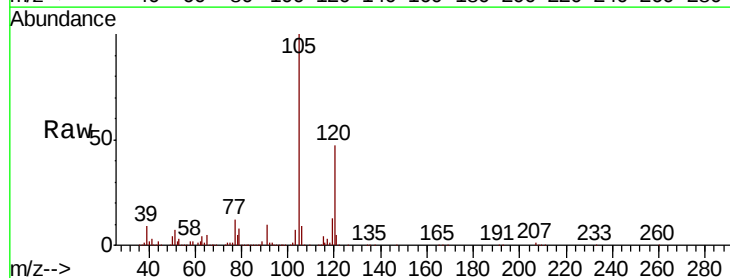
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0423SBS01

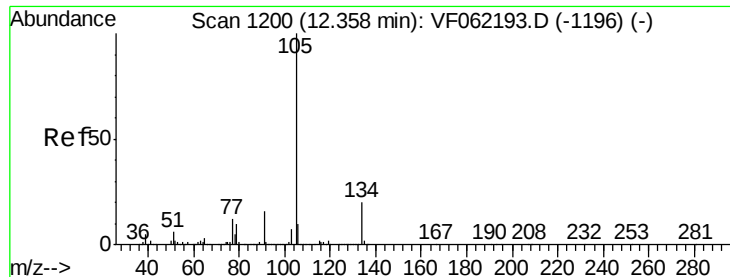
Tgt Ion:119 Resp: 388176
 Ion Ratio Lower Upper
 119 100
 91 56.0 29.4 88.2
 134 23.5 11.8 35.3



#84
 1,2,4-Trimethylbenzene
 Concen: 19.458 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: VF062262.D
 Acq: 23 Apr 2019 14:27

Tgt Ion:105 Resp: 352448
 Ion Ratio Lower Upper
 105 100
 120 46.6 24.0 72.0

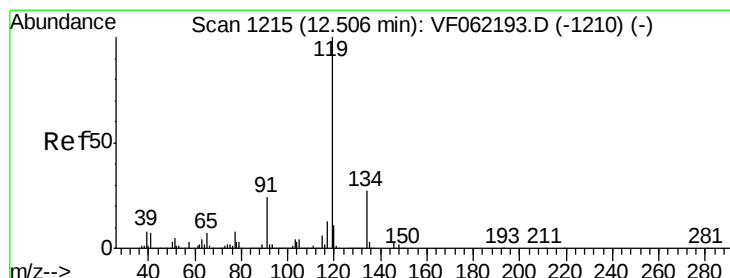
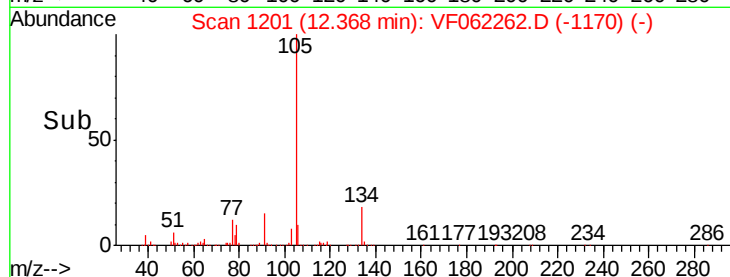
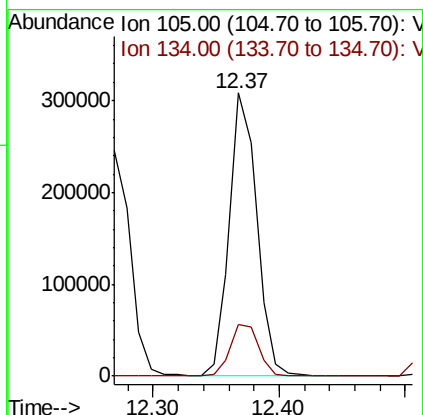
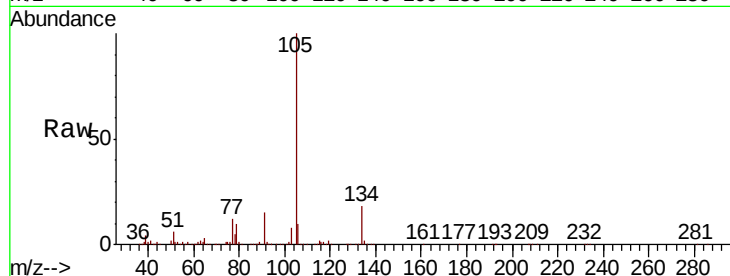




#85
 sec-Butylbenzene
 Concen: 18.429 ug/l
 RT: 12.37 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VF062262.D
 Acq: 23 Apr 2019 14:27

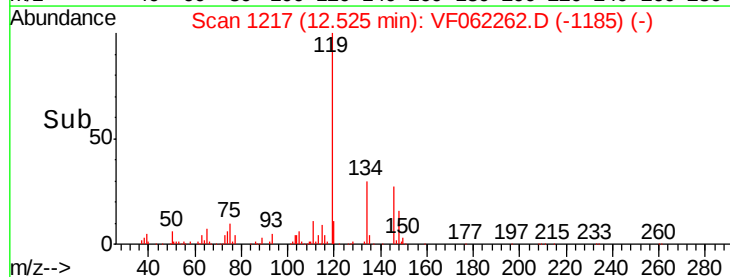
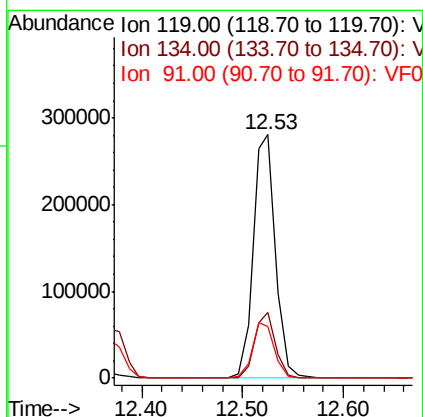
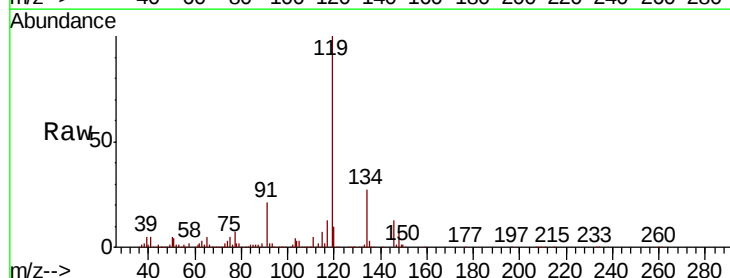
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0423SBS01

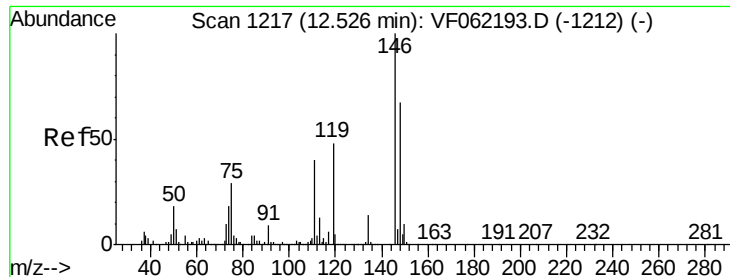
Tgt Ion:105 Resp: 463122
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 20.195 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. 0.02 min
 Lab File: VF062262.D
 Acq: 23 Apr 2019 14:27

Tgt Ion:119 Resp: 430494
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.2 39.5
 91 22.5 11.7 35.1

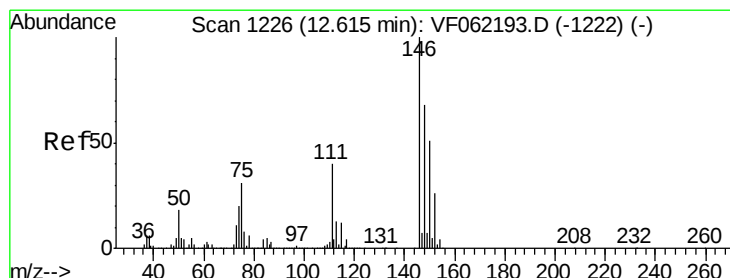
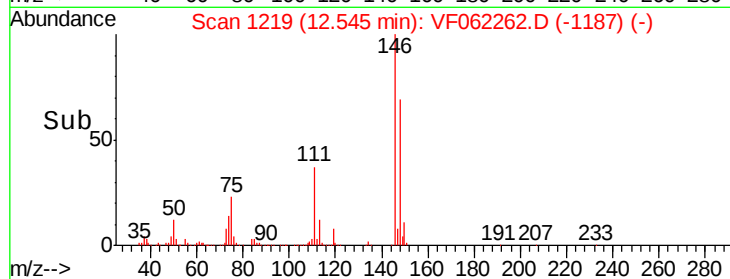
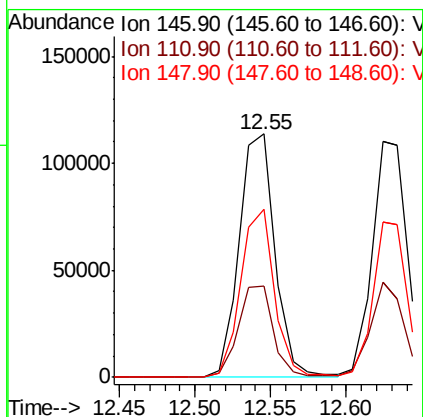
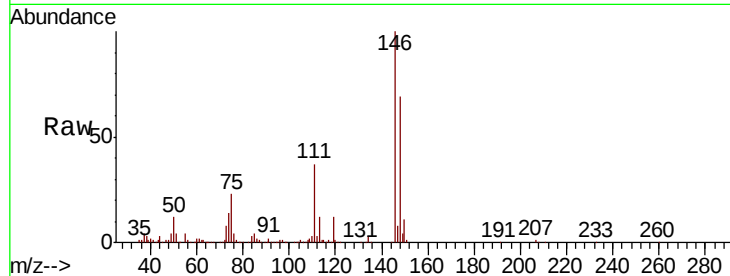




#87
 1,3-Dichlorobenzene
 Concen: 20.958 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.02 min
 Lab File: VF062262.D
 Acq: 23 Apr 2019 14:27

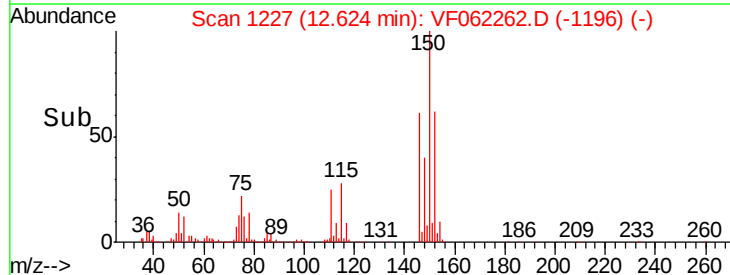
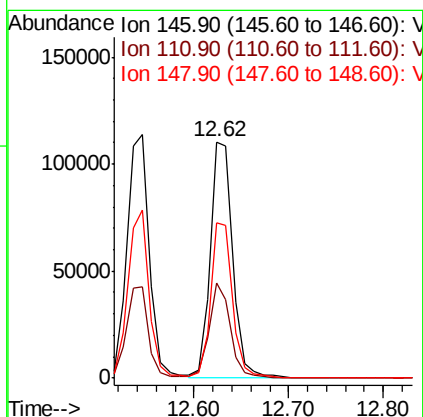
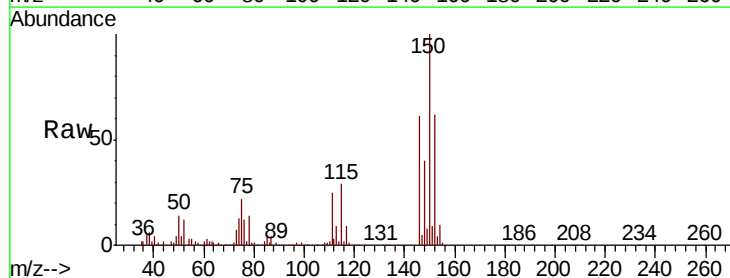
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0423SBS01

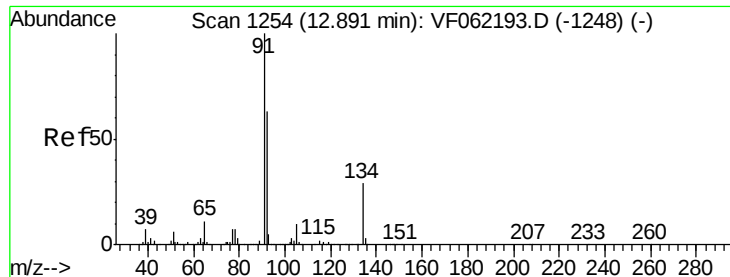
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	19.7	59.0
148	65.7	32.9	98.6



#88
 1,4-Dichlorobenzene
 Concen: 21.263 ug/l
 RT: 12.62 min Scan# 1227
 Delta R.T. 0.01 min
 Lab File: VF062262.D
 Acq: 23 Apr 2019 14:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	20.0	60.0
148	63.6	33.6	100.8





#89

n-Butylbenzene

Concen: 19.249 ug/l

RT: 12.90 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VF062262.D

Acq: 23 Apr 2019 14:27

Instrument :

MSVOA_F

ClientSampleId :

VF0423SBS01

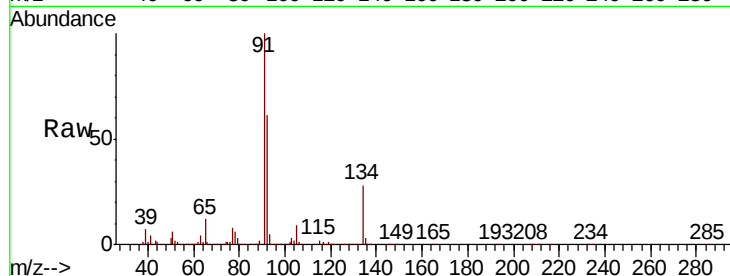
Tgt Ion: 91 Resp: 393423

Ion Ratio Lower Upper

91 100

92 60.7 31.2 93.6

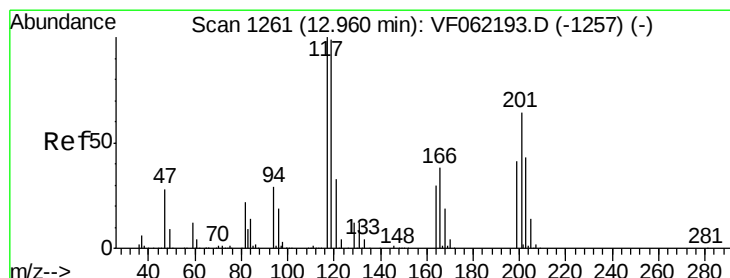
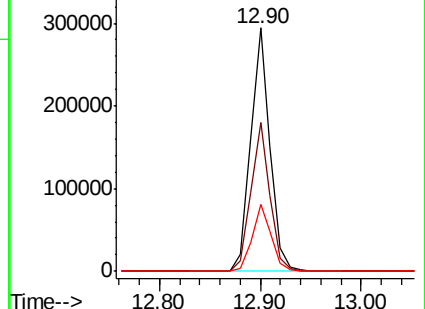
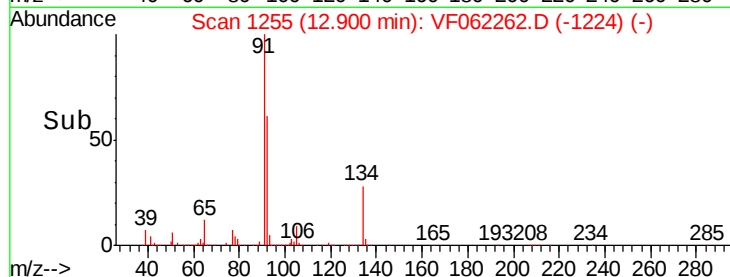
134 27.1 13.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.567 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. 0.02 min

Lab File: VF062262.D

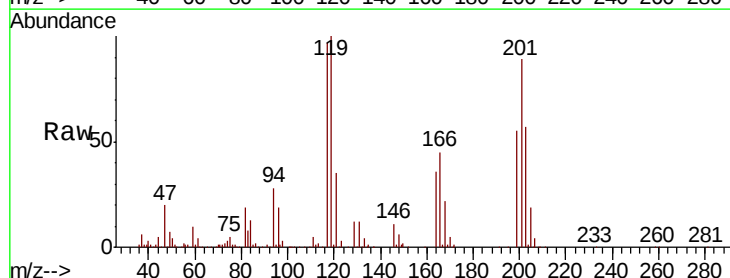
Acq: 23 Apr 2019 14:27

Tgt Ion: 117 Resp: 107113

Ion Ratio Lower Upper

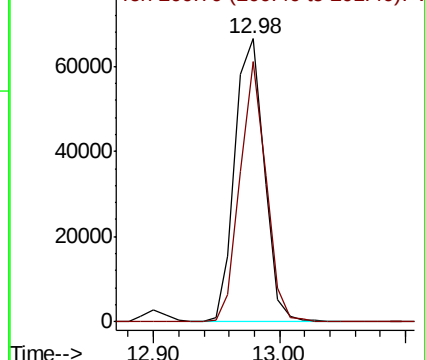
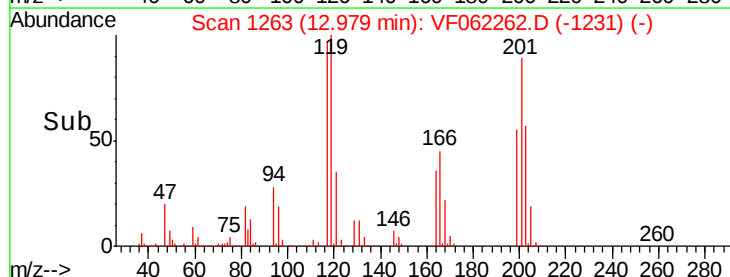
117 100

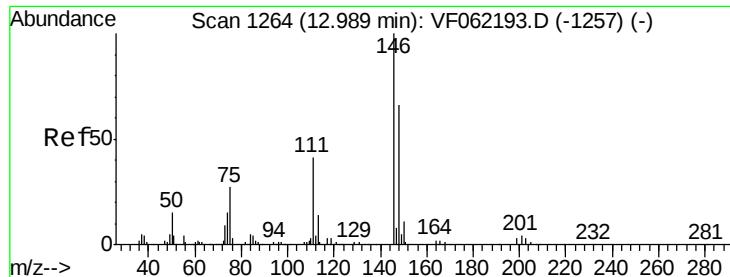
201 81.6 37.7 113.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 20.957 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VF062262.D

Acq: 23 Apr 2019 14:27

Instrument :

MSVOA_F

ClientSampleId :

VF0423SBS01

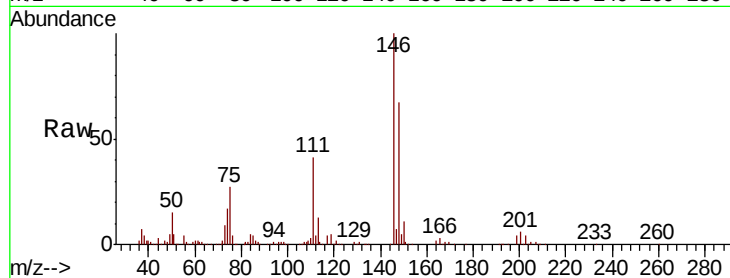
Tgt Ion:146 Resp: 180789

Ion Ratio Lower Upper

146 100

111 40.6 20.8 62.5

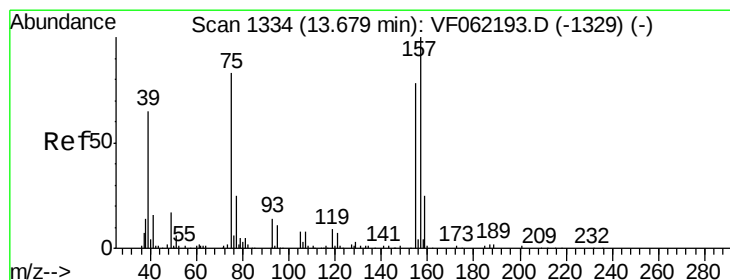
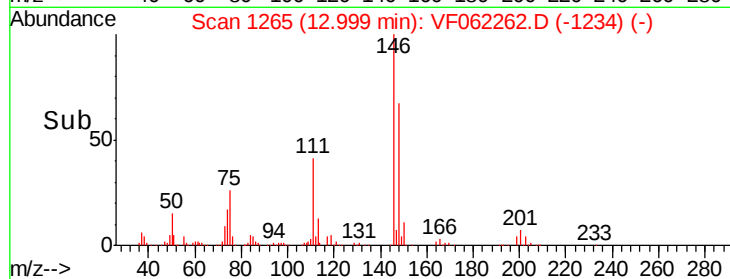
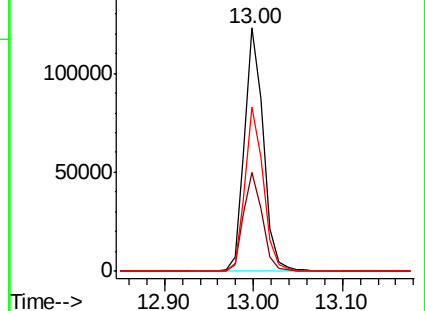
148 66.0 33.0 99.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.528 ug/l

RT: 13.69 min Scan# 1335

Delta R.T. 0.01 min

Lab File: VF062262.D

Acq: 23 Apr 2019 14:27

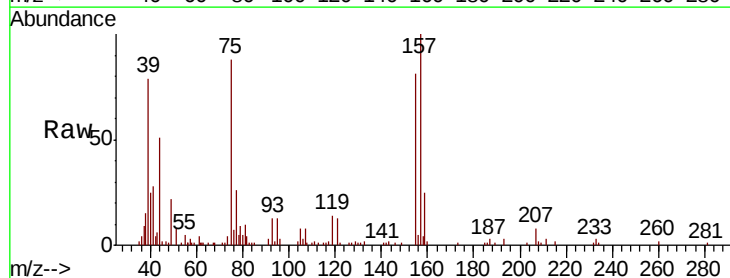
Tgt Ion: 75 Resp: 13310

Ion Ratio Lower Upper

75 100

155 107.9 47.6 142.8

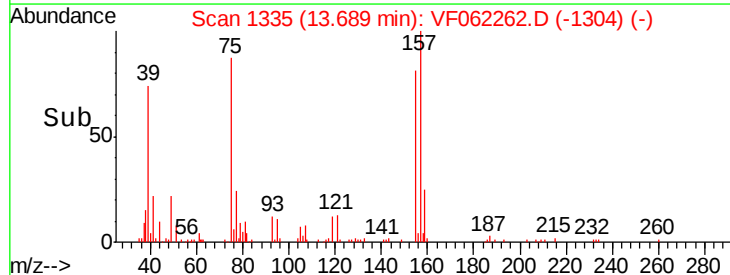
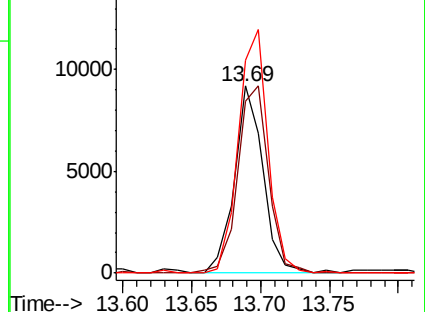
157 134.6 61.3 183.9

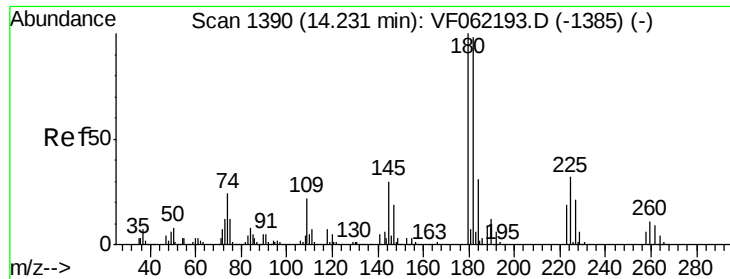


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

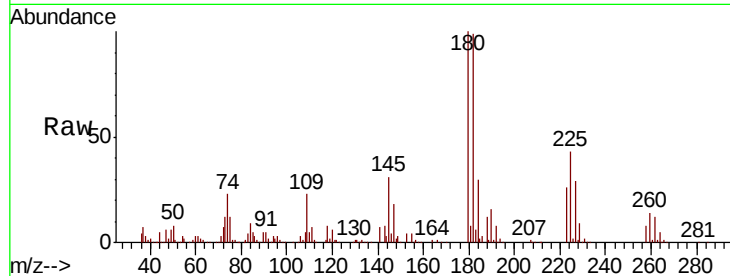




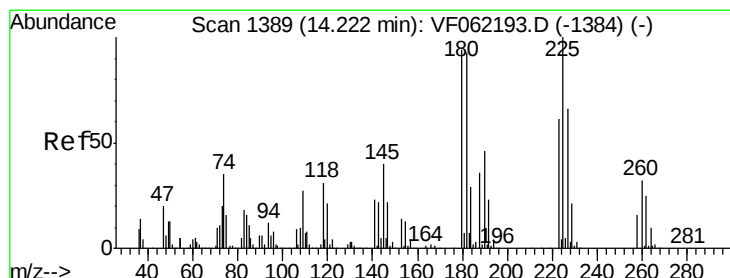
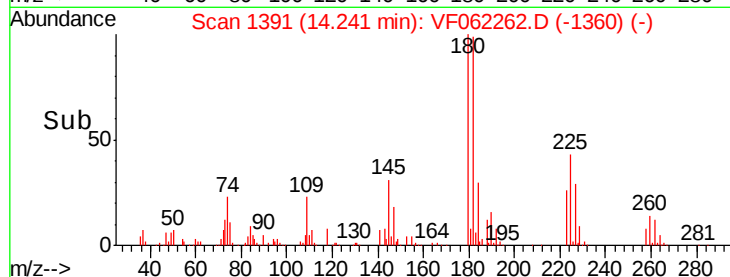
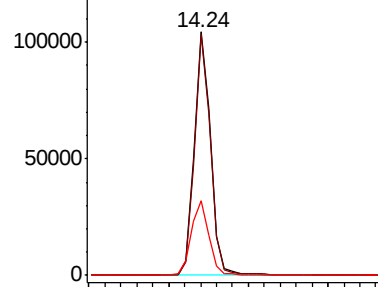
#93
 1,2,4-Trichlorobenzene
 Concen: 21.089 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.01 min
 Lab File: VF062262.D
 Acq: 23 Apr 2019 14:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0423SBS01

Tgt Ion:180 Resp: 152216
 Ion Ratio Lower Upper
 180 100
 182 96.8 49.3 147.9
 145 33.6 18.1 54.4

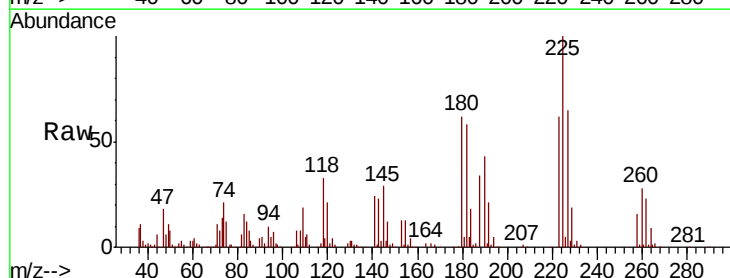


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

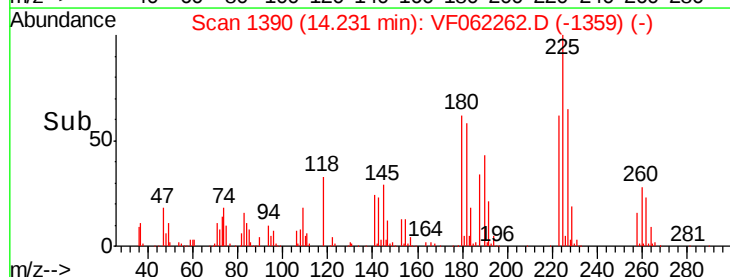
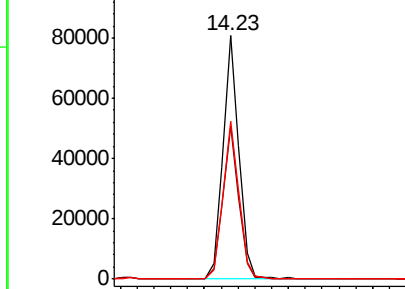


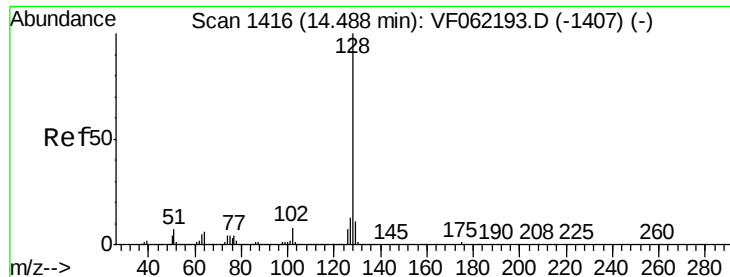
#94
 Hexachlorobutadiene
 Concen: 21.484 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: VF062262.D
 Acq: 23 Apr 2019 14:27

Tgt Ion:225 Resp: 106327
 Ion Ratio Lower Upper
 225 100
 223 62.3 31.0 93.0
 227 65.5 32.4 97.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

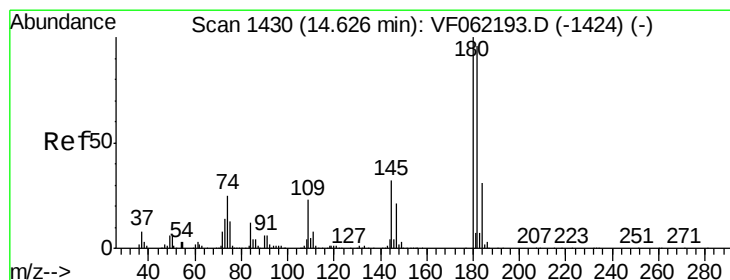
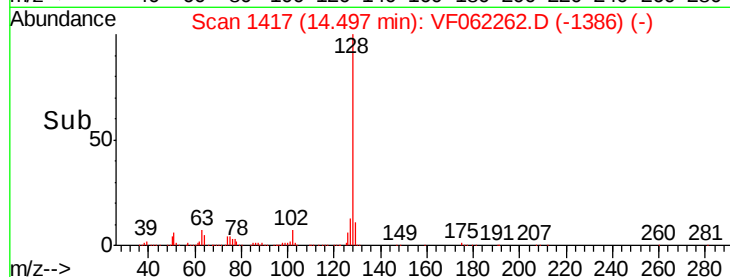
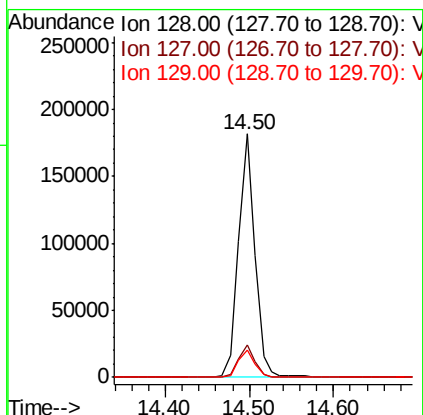
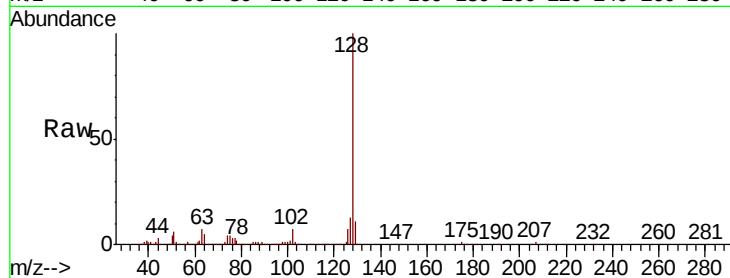




#95
Naphthalene
Concen: 19.647 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. 0.01 min
Lab File: VF062262.D
Acq: 23 Apr 2019 14:27

Instrument :
MSVOA_F
ClientSampleId :
VF0423SBS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	11.1	9.2	13.8



#96
1,2,3-Trichlorobenzene
Concen: 21.266 ug/l
RT: 14.64 min Scan# 1432
Delta R.T. 0.02 min
Lab File: VF062262.D
Acq: 23 Apr 2019 14:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.4	48.4	145.3
145	28.1	15.6	46.8

