

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 15:40:44 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	186600	52.49	ug/l	0.02
Spiked Amount			Recovery	=	104.98%	
35) Dibromofluoromethane	4.31	113	240280	50.75	ug/l	0.02
Spiked Amount			Recovery	=	101.50%	
50) Toluene-d8	7.72	98	585019	48.82	ug/l	0.02
Spiked Amount			Recovery	=	97.64%	
62) 4-Bromofluorobenzene	11.50	95	244851	53.11	ug/l	0.02
Spiked Amount			Recovery	=	106.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	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	128445m	22.363	ug/l	

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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 15:40:44 2019
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 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)
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

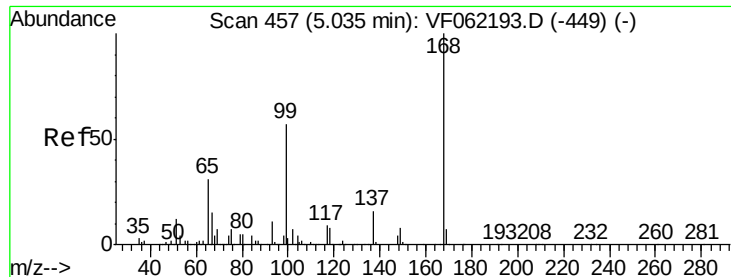
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF042319\
Data File : VF062262.D
Acq On : 23 Apr 2019 14:27
Operator : FY/SY
Sample : VF0423SBSD01
Misc : 5.00g/5mL/MSVOA F/SOIL
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Instrument :
MSVOA_F
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Quant Time: Apr 23 15:40:44 2019
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 :

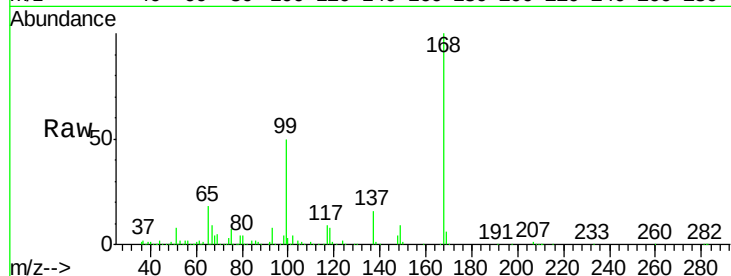
VF0423SBS01

Tot 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

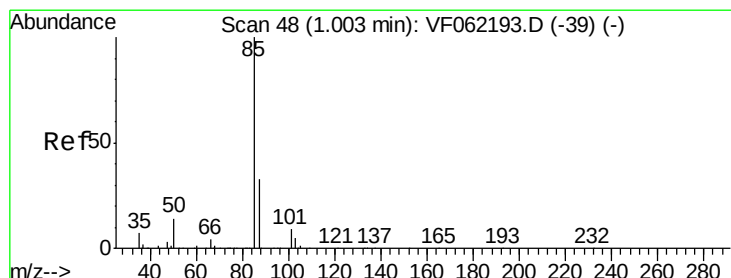
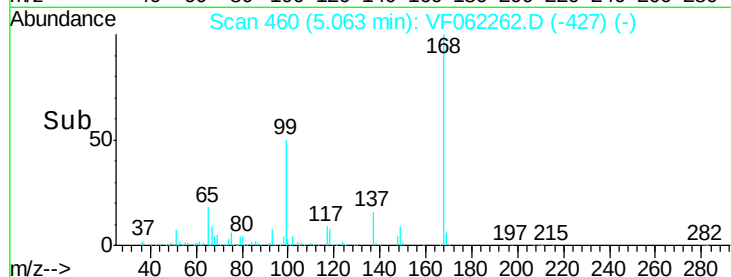
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.215 ug/l

RT: 1.00 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062262.D

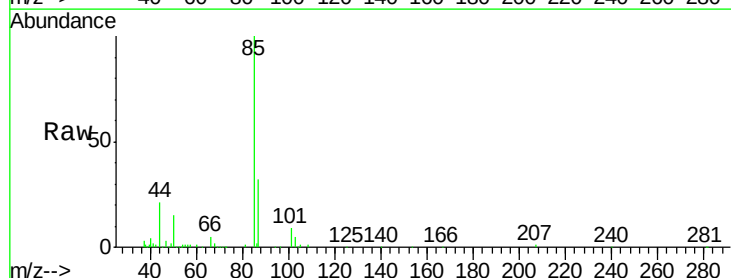
Acq: 23 Apr 2019 14:27

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

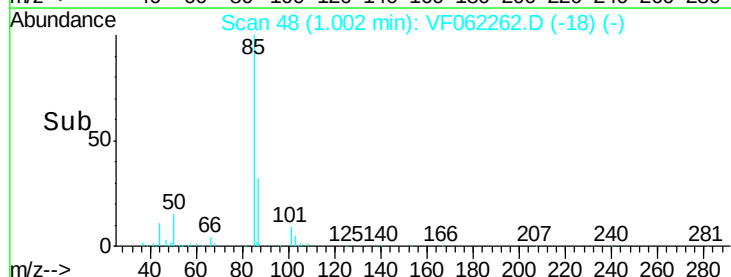
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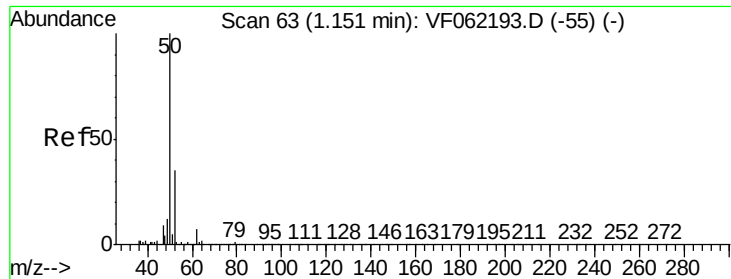
20000

10000

0

Time-->





#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 :

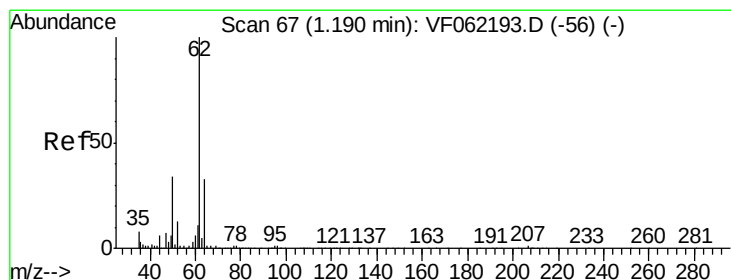
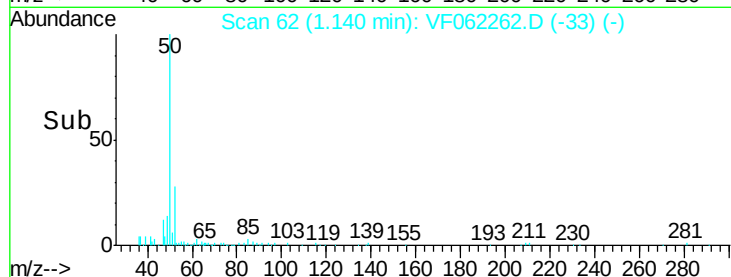
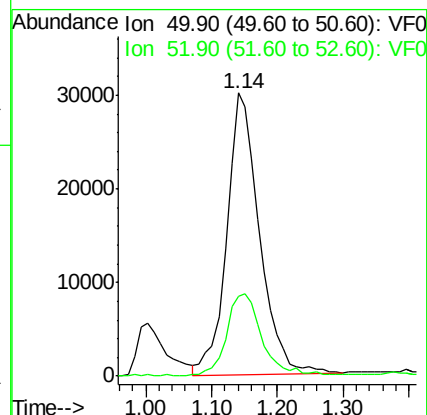
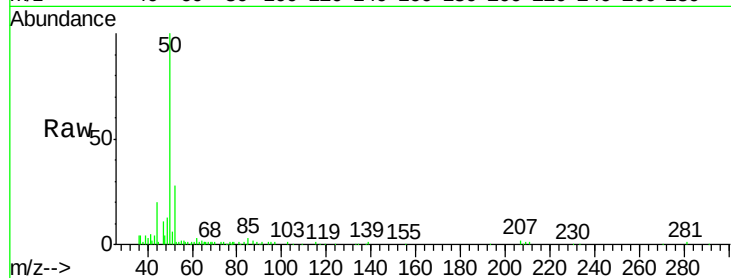
VF0423SBS01

Tot Ion: 50 Resp: 104027

Ion Ratio Lower Upper

50 100

52 28.0 27.0 40.4



#4

Vinyl Chloride

Concen: 18.812 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062262.D

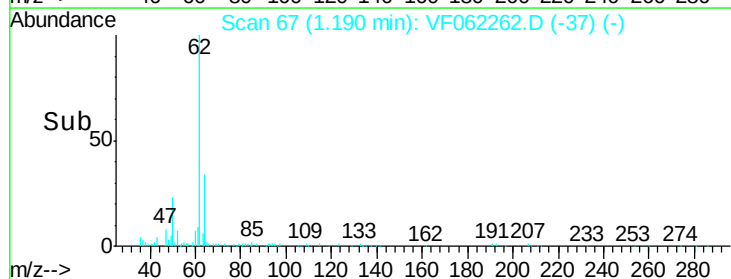
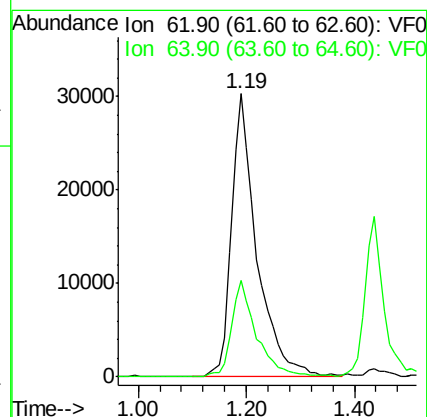
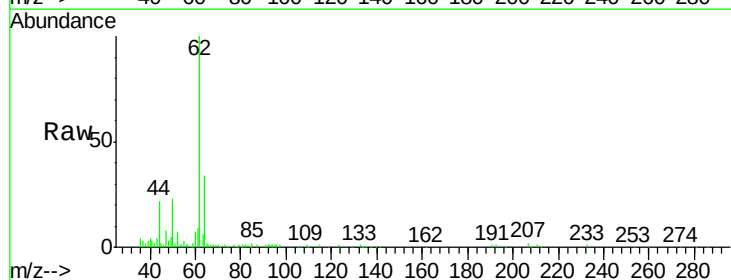
Acq: 23 Apr 2019 14:27

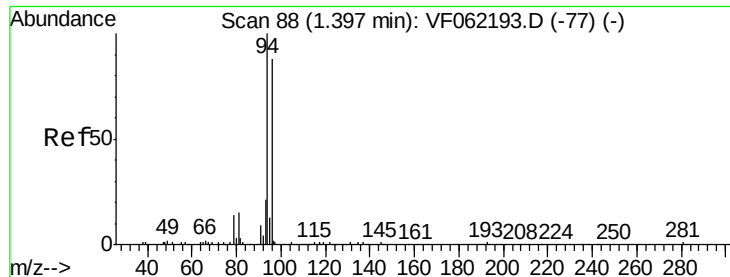
Tgt Ion: 62 Resp: 98412

Ion Ratio Lower Upper

62 100

64 33.8 26.2 39.4





#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 :

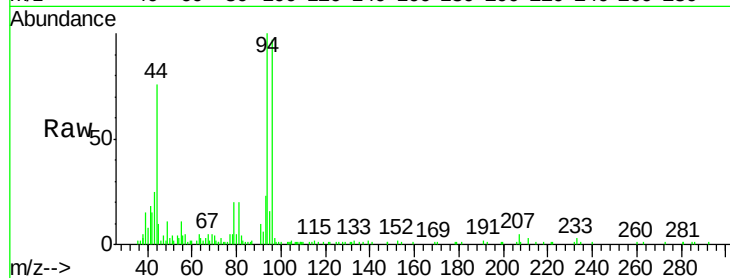
VF0423SBS01

Tot 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

1.39

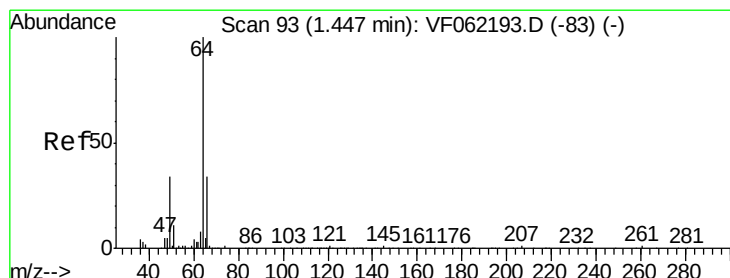
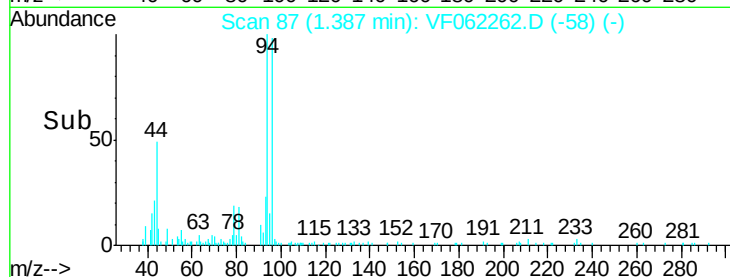
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 18.901 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.01 min

Lab File: VF062262.D

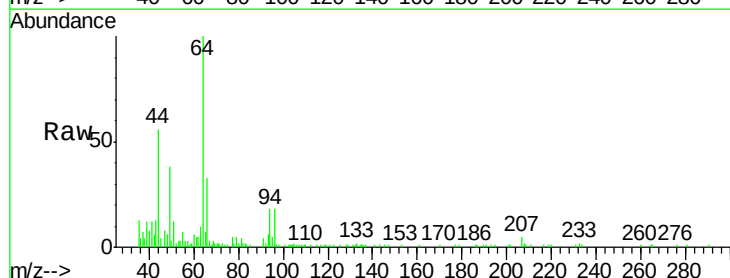
Acq: 23 Apr 2019 14:27

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

20000

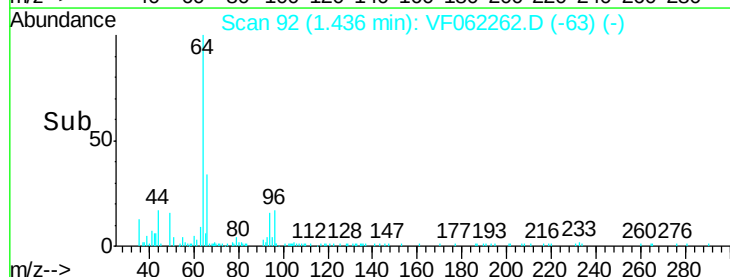
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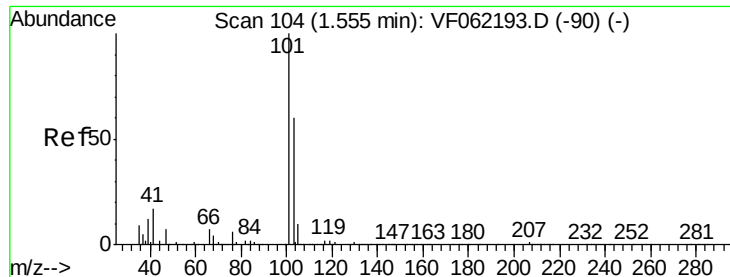
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Time-->



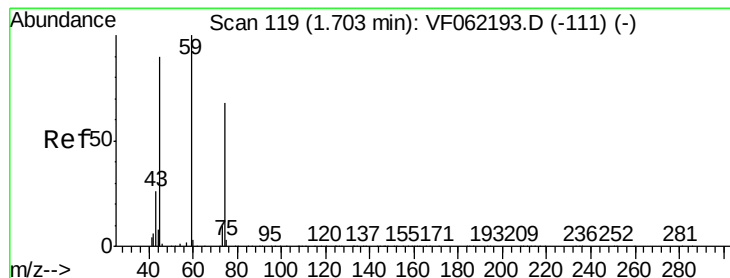
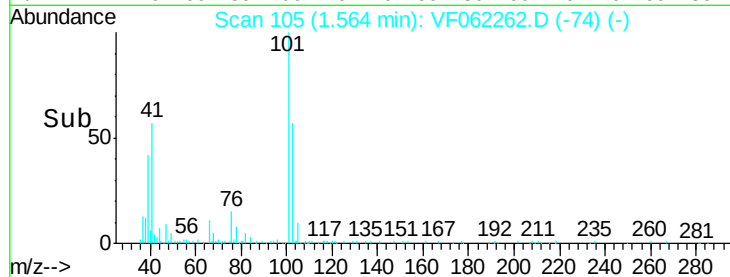
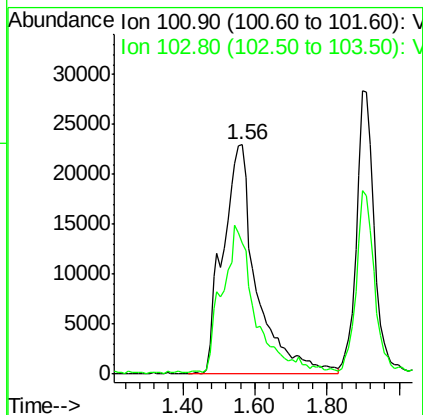
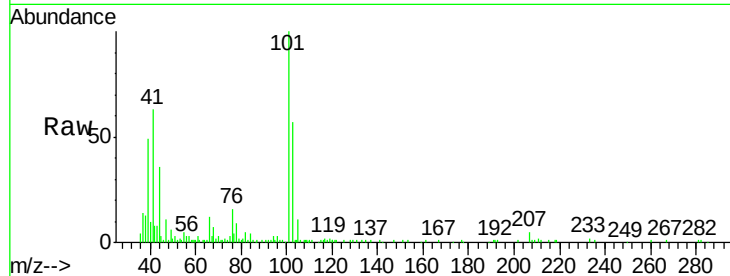


#7

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 :
VF0423SBSD01

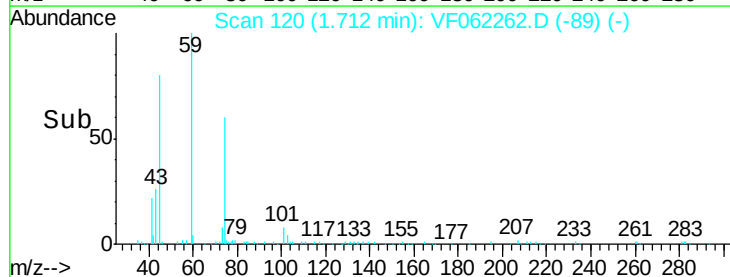
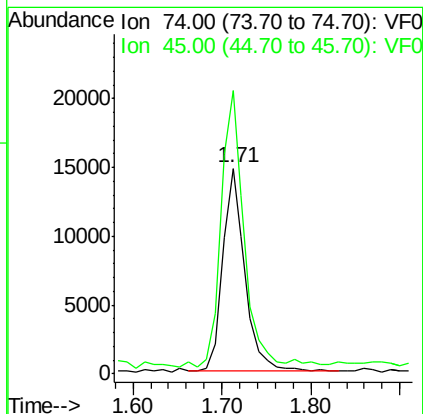
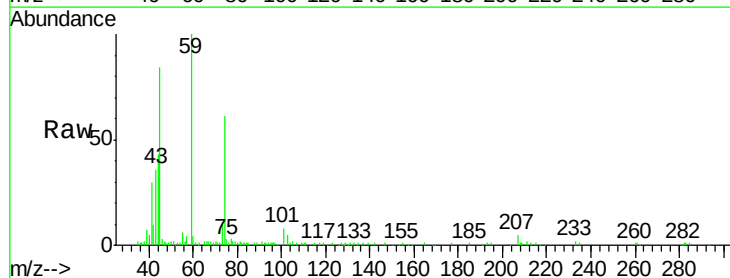
Tot Ion:101 Resp: 150250
Ion Ratio Lower Upper
101 100
103 56.6 48.2 72.4

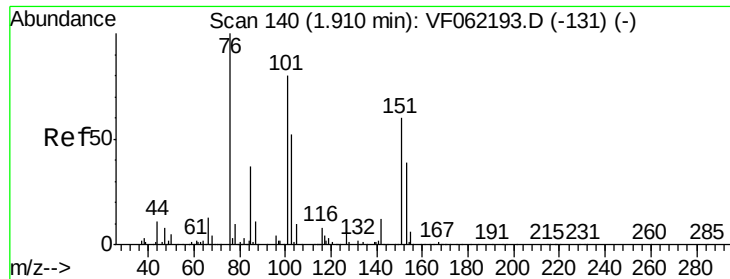


#8

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

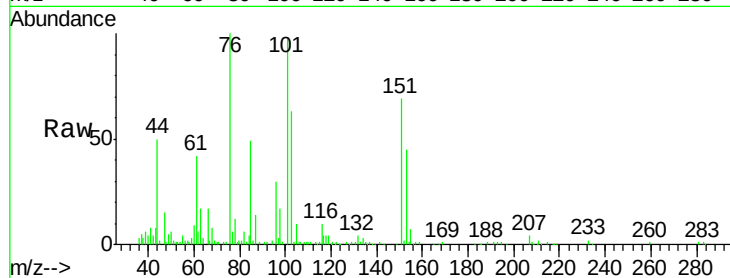
Tot Ion:101 Resp: 93266

Ion Ratio Lower Upper

101 100

85 48.0 35.3 52.9

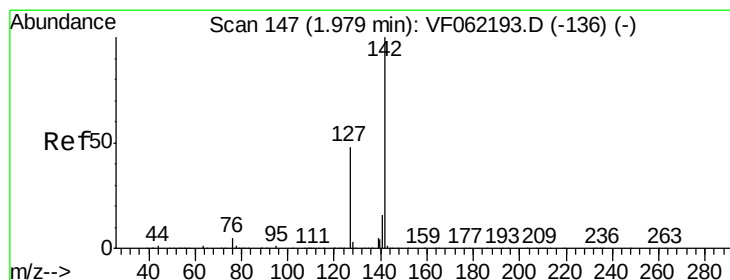
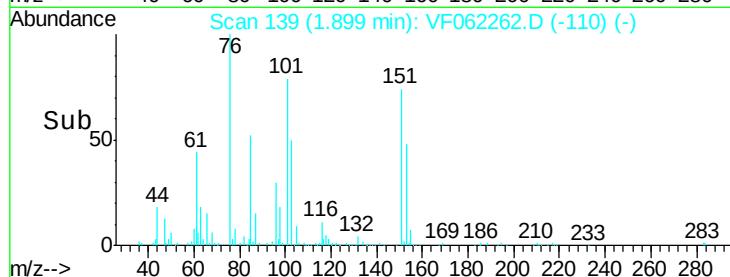
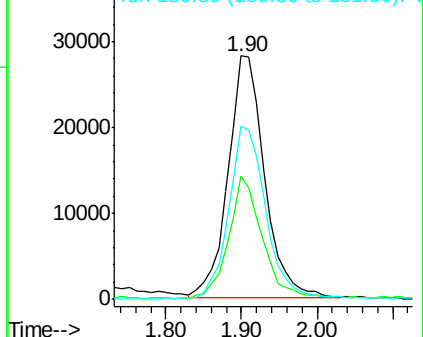
151 74.3 57.5 86.3



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

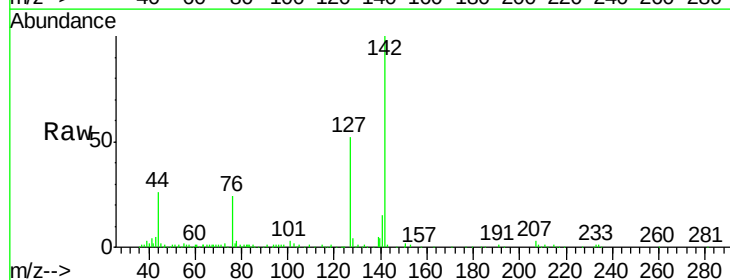
Tgt Ion:142 Resp: 167010

Ion Ratio Lower Upper

142 100

127 52.3 33.0 49.4#

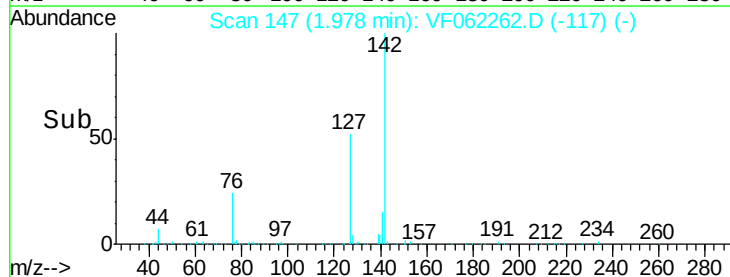
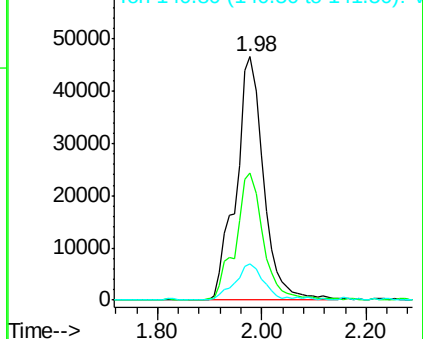
141 16.2 12.7 19.1

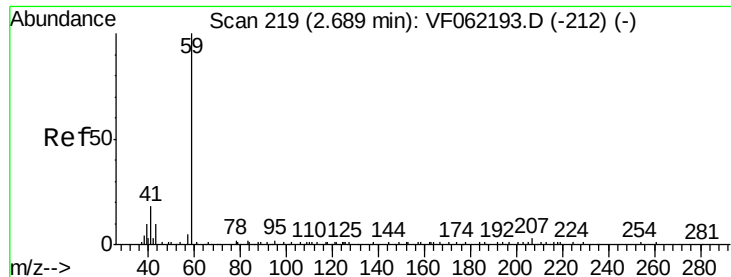


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



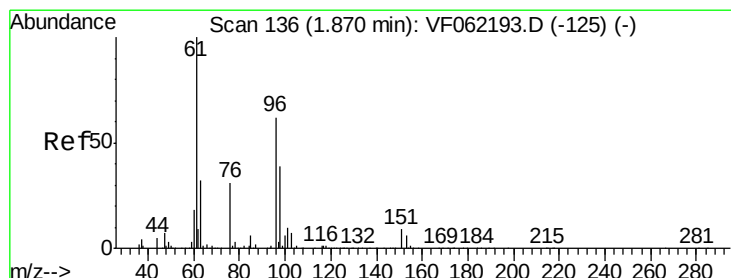
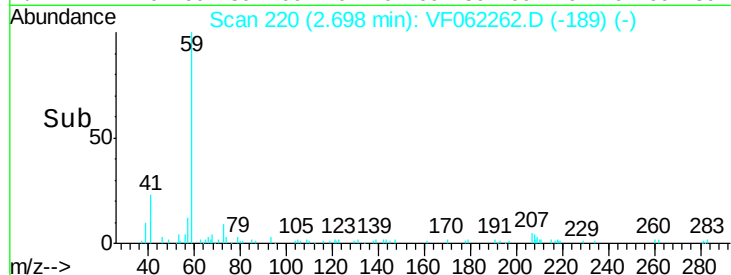
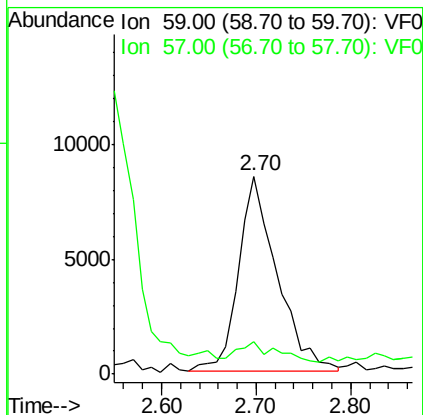
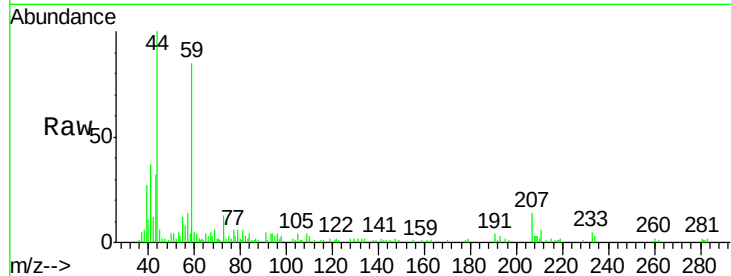


#11

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

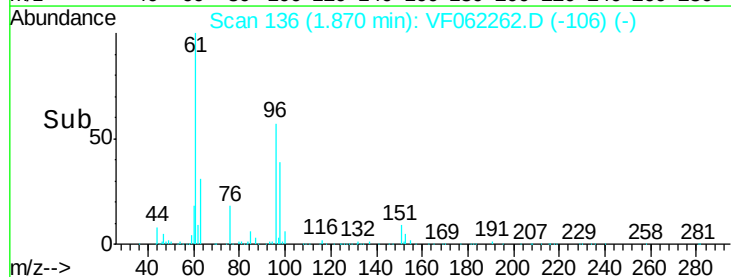
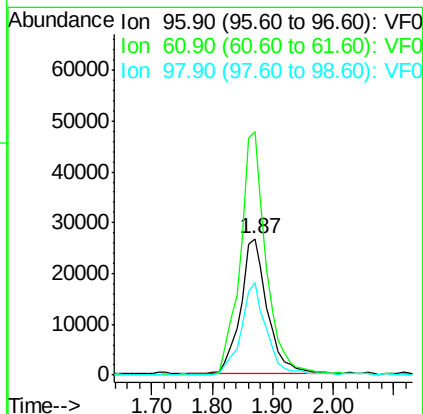
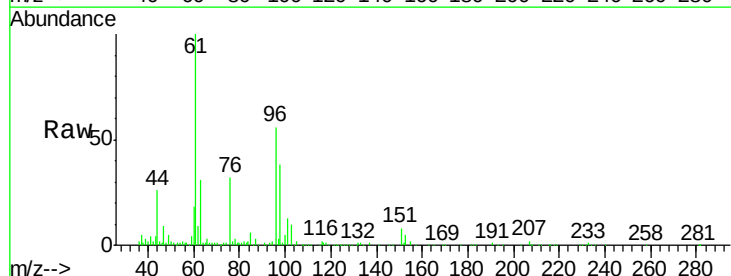
Tot Ion: 59 Resp: 23923
 Ion Ratio Lower Upper
 59 100
 57 10.5 9.3 13.9

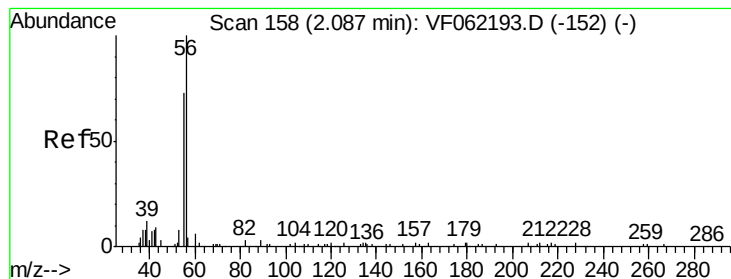


#12

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 :

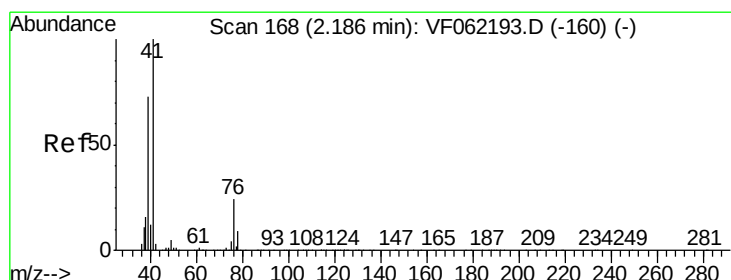
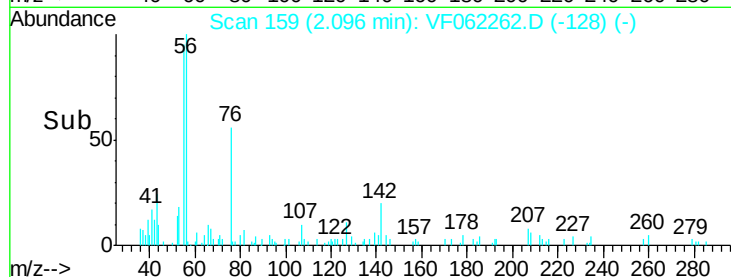
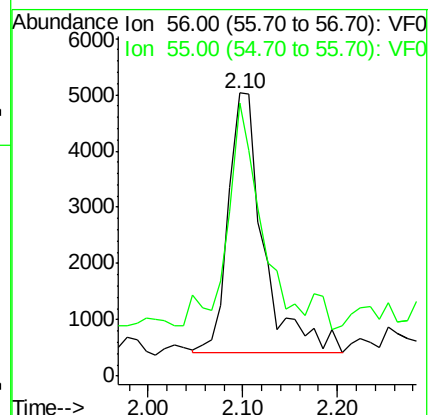
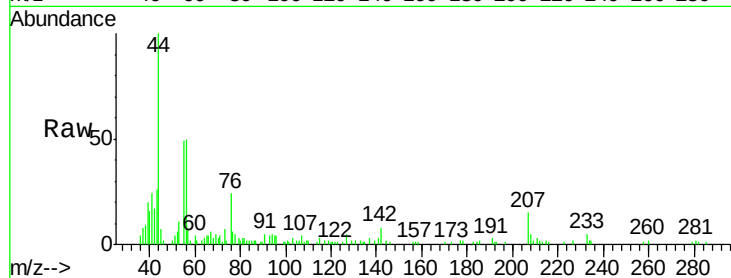
VF0423SBS01

Tot 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

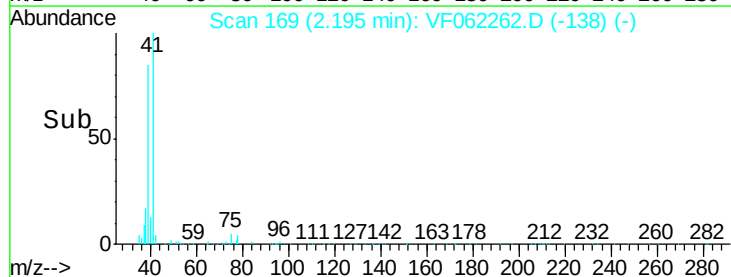
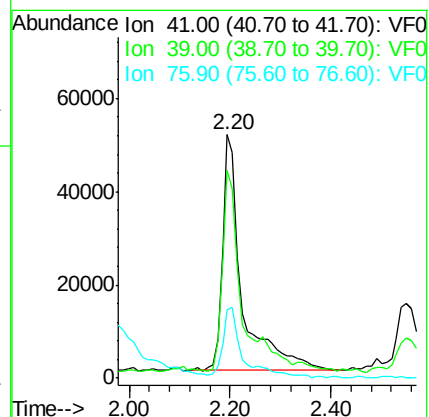
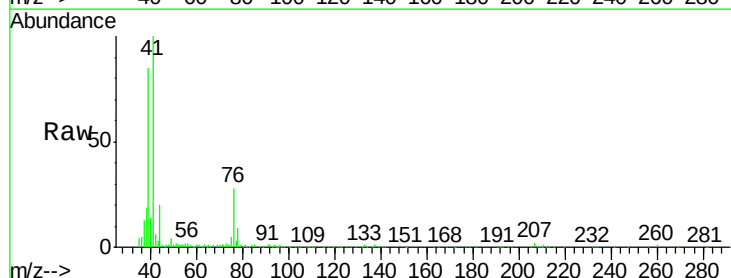
Tgt Ion: 41 Resp: 140324

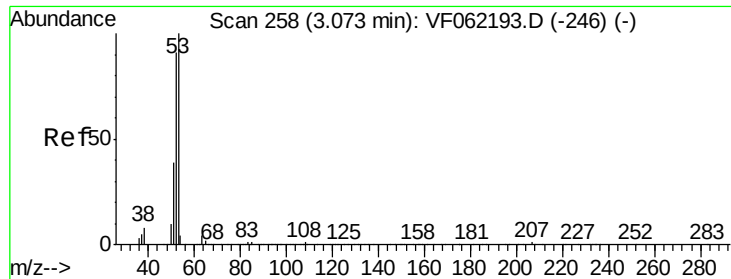
Ion Ratio Lower Upper

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

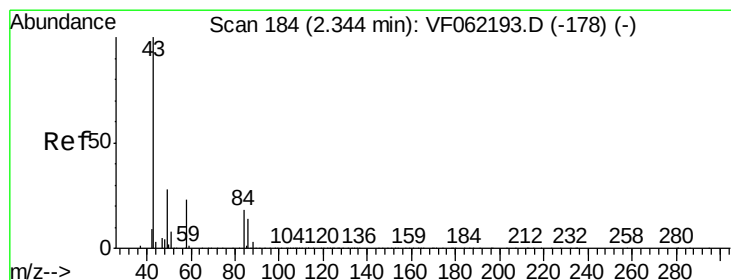
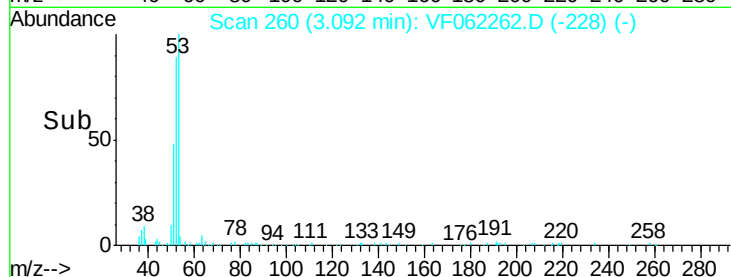
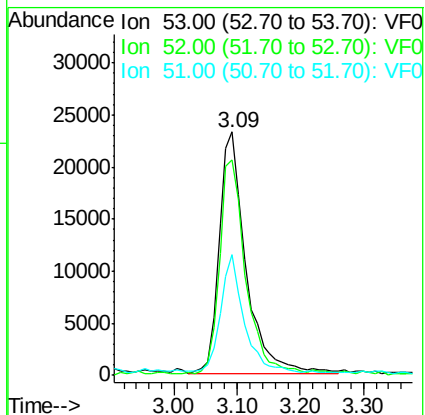
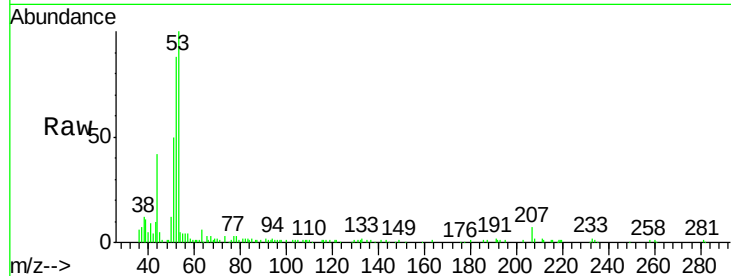
Tot Ion: 53 Resp: 68221

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

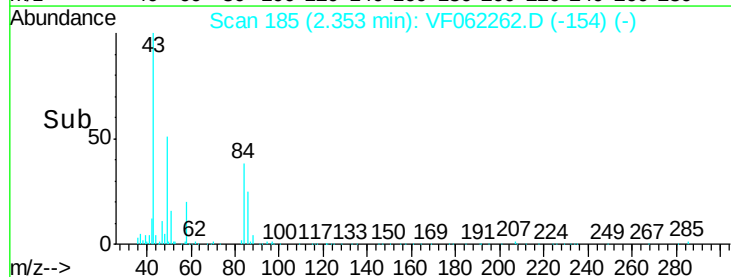
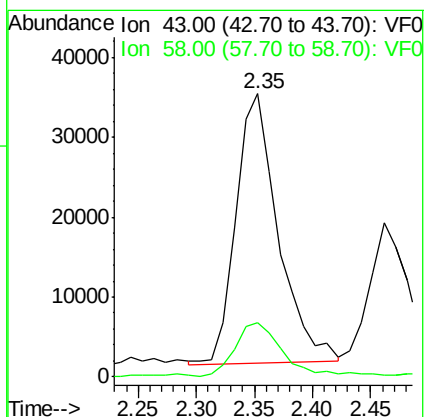
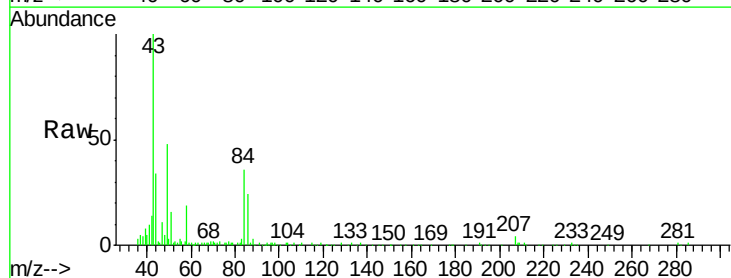
Acq: 23 Apr 2019 14:27

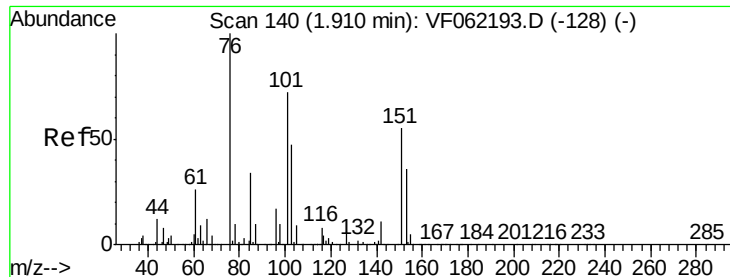
Tgt Ion: 43 Resp: 84544

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 :

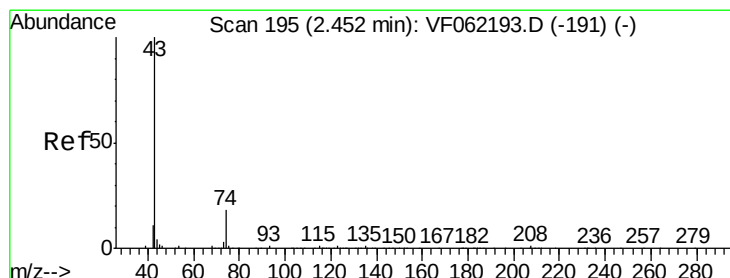
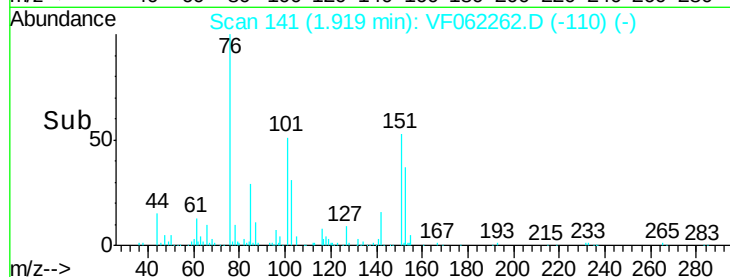
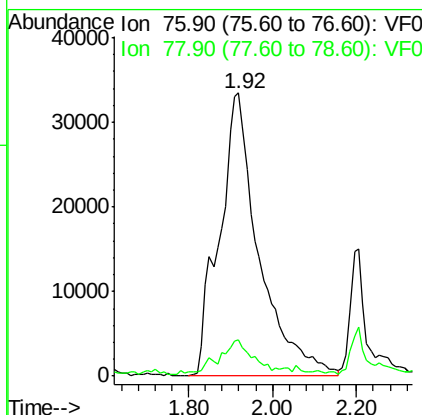
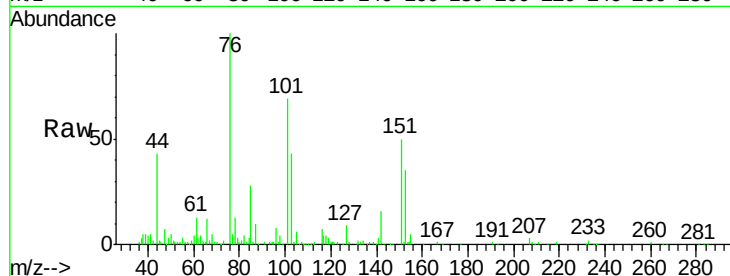
VF0423SBS01

Tot 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

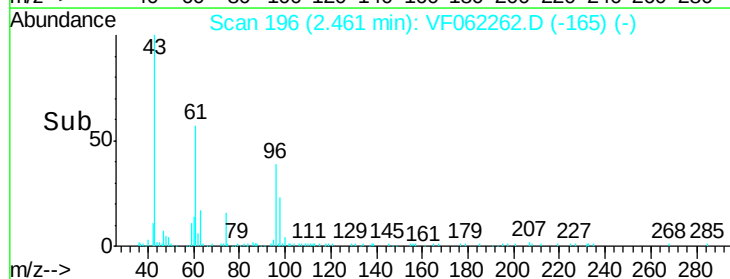
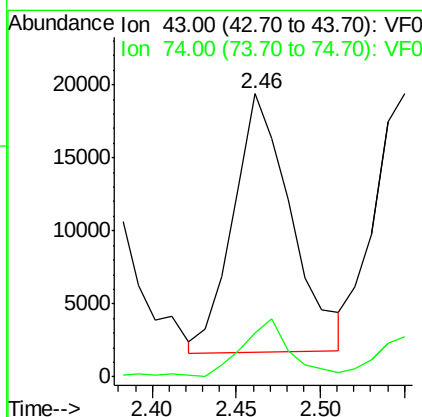
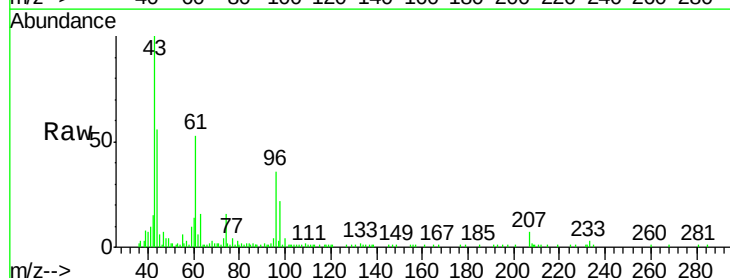
Acq: 23 Apr 2019 14:27

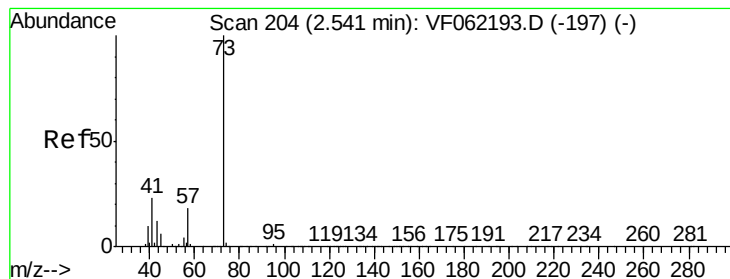
Tgt Ion: 43 Resp: 42326

Ion Ratio Lower Upper

43 100

74 16.6 14.5 21.7



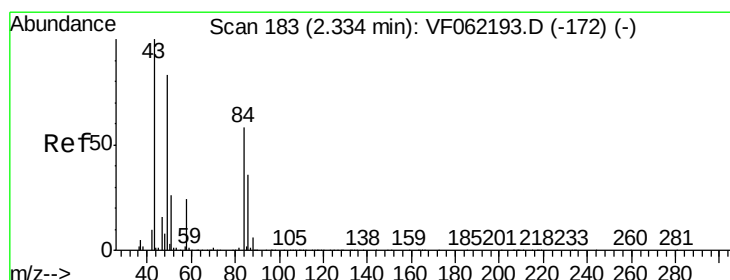
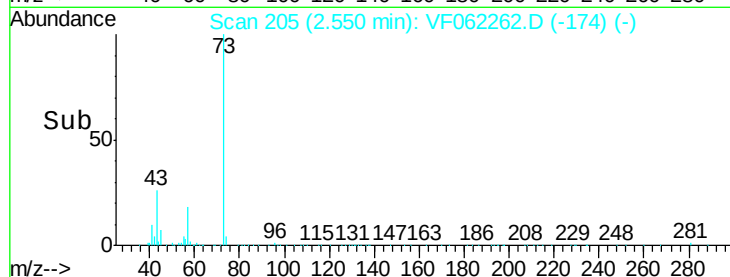
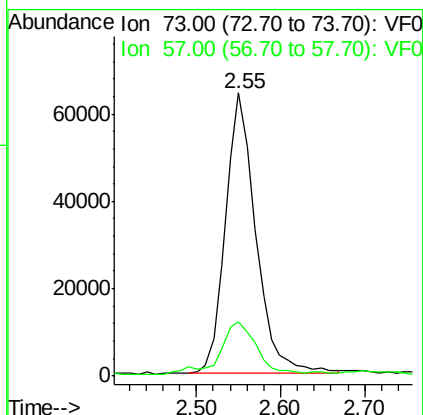
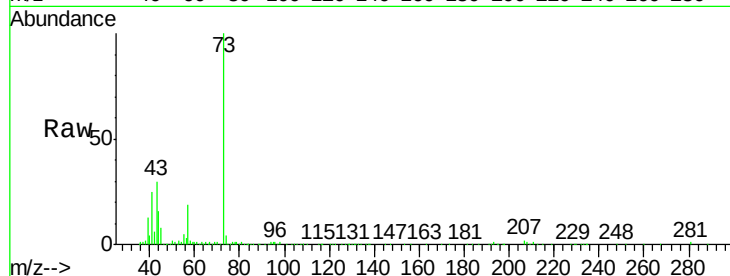


#19

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

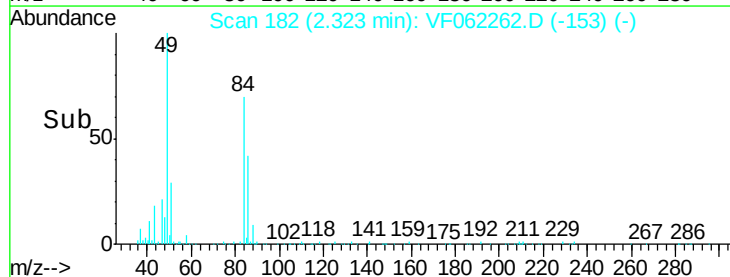
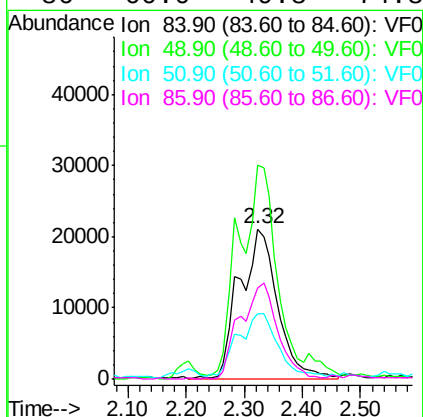
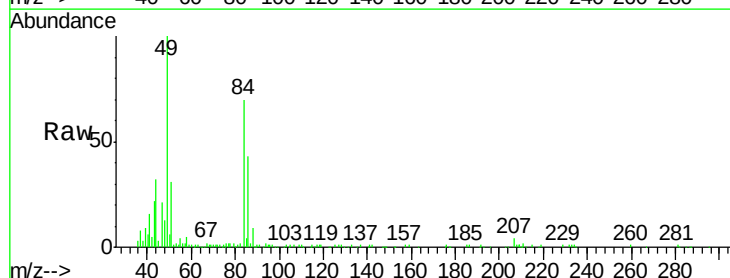
Tot Ion: 73 Resp: 161662
 Ion Ratio Lower Upper
 73 100
 57 18.2 15.1 22.7

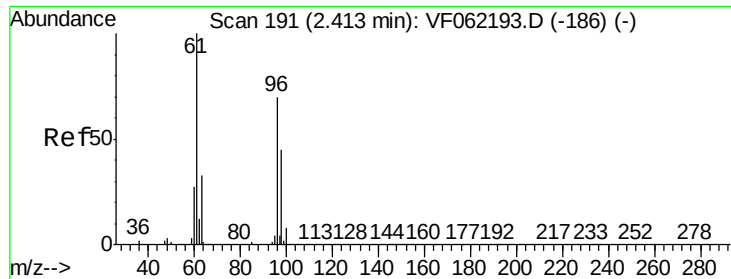


#20

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

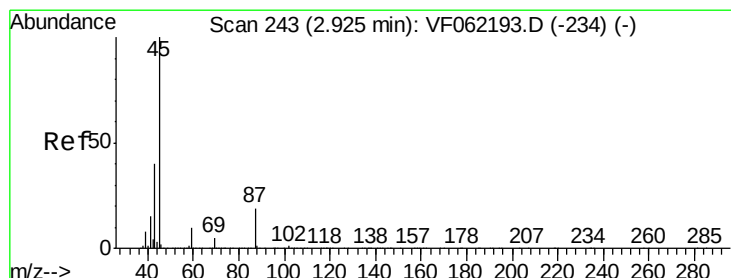
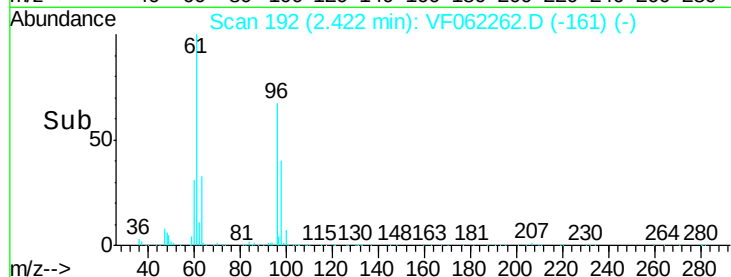
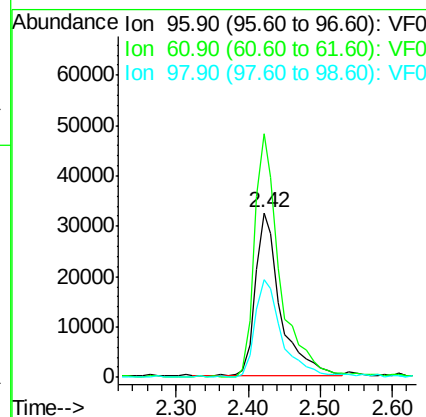
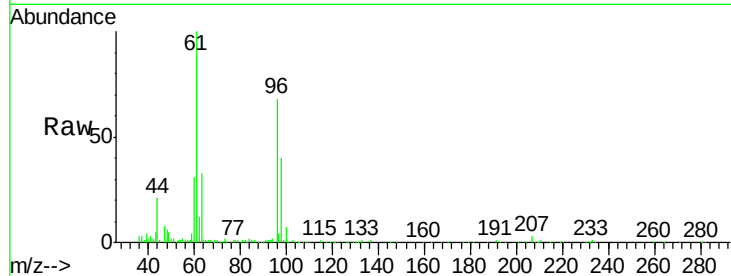
Tot Ion: 96 Resp: 79279

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

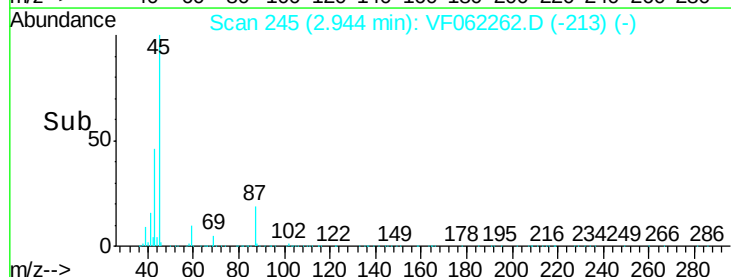
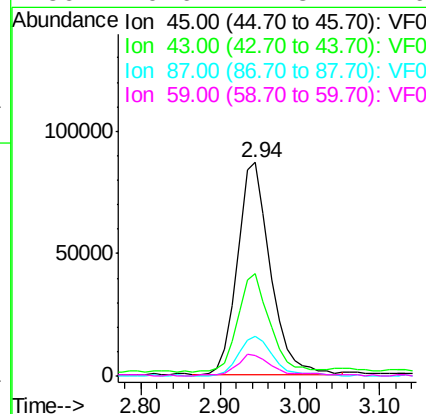
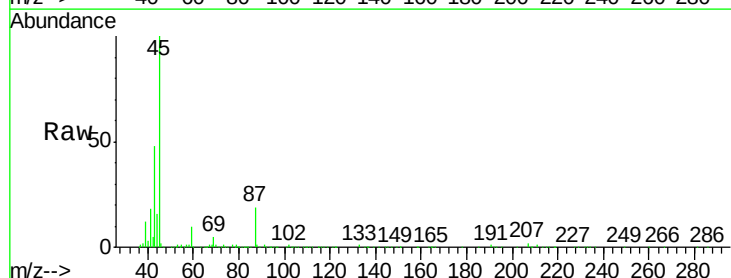
Ion Ratio Lower Upper

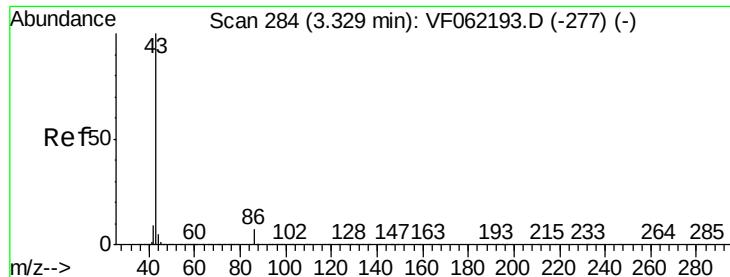
45 100

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 :

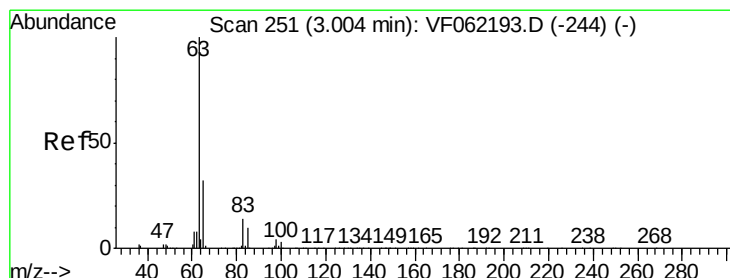
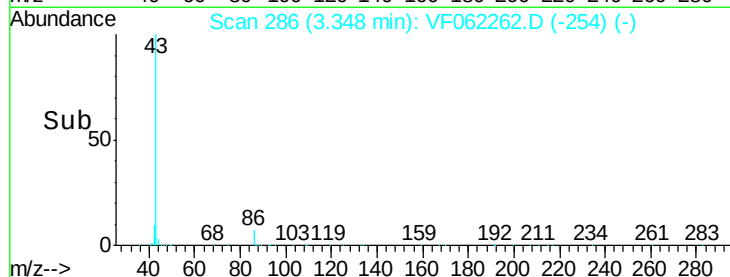
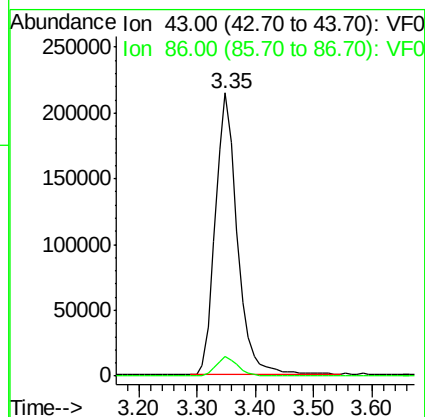
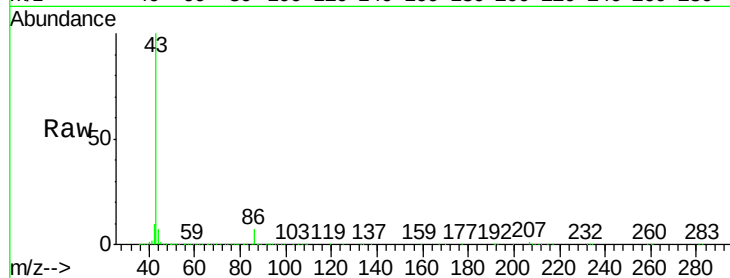
VF0423SBS01

Tot 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

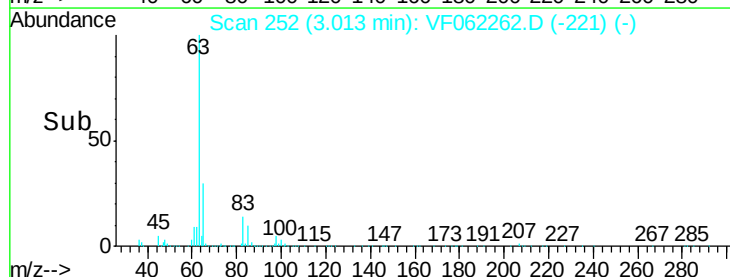
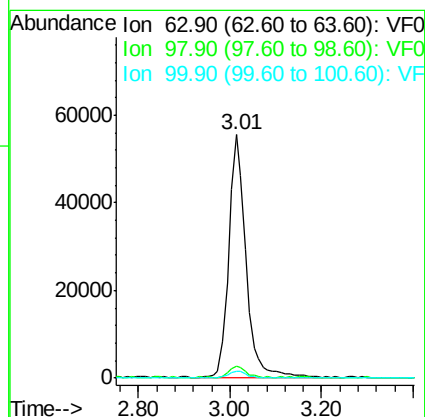
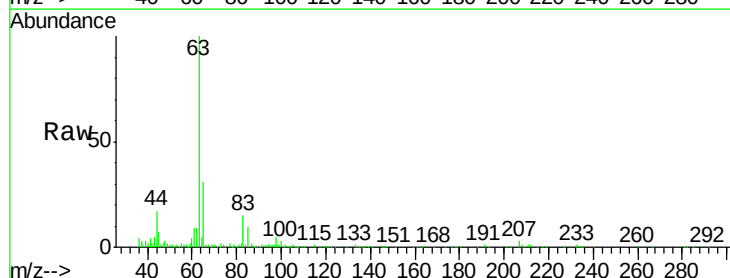
Tgt Ion: 63 Resp: 145191

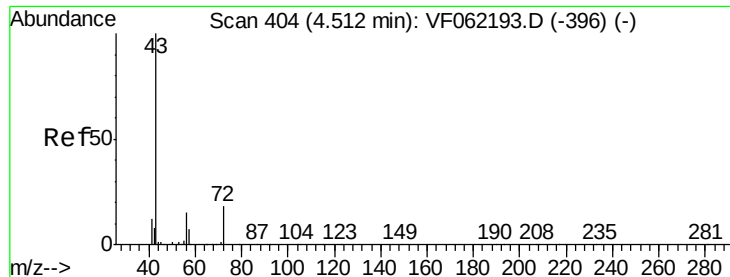
Ion Ratio Lower Upper

63 100

98 4.9 2.3 6.8

100 2.8 1.7 5.0

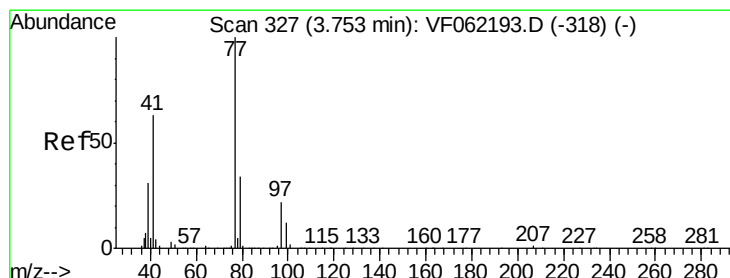
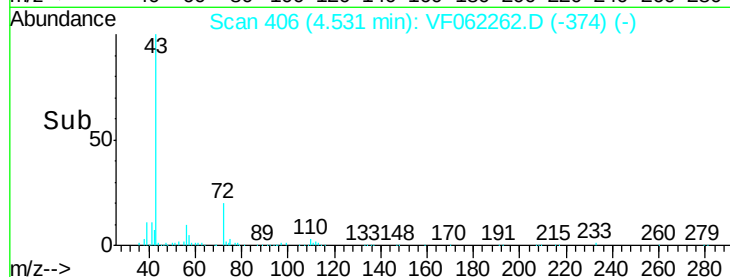
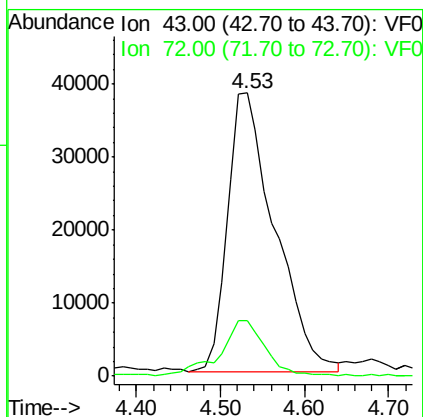
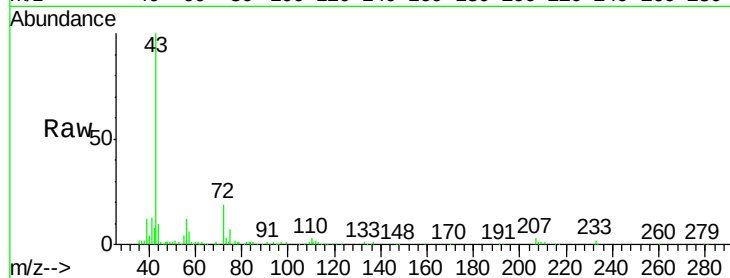




#25
 2-Butanone
 Concen: 87.353 ug/l
 RT: 4.53 min Scan# 406
 Delta R.T. 0.02 min
 Lab File: VF062262.D
 Acq: 23 Apr 2019 14:27

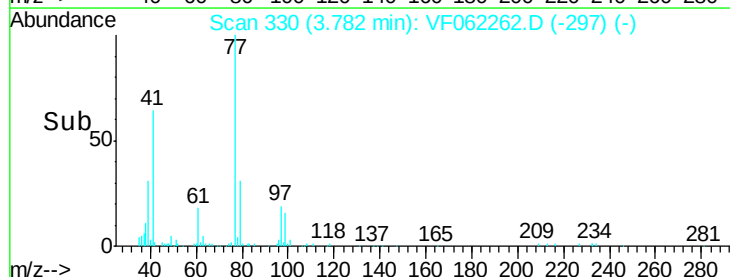
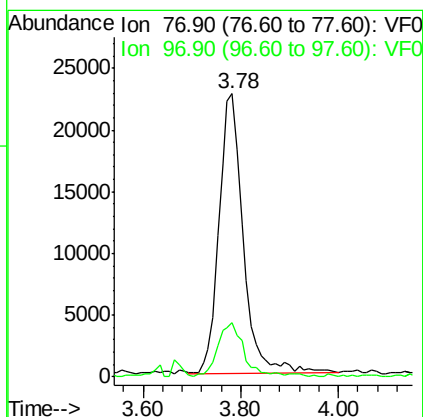
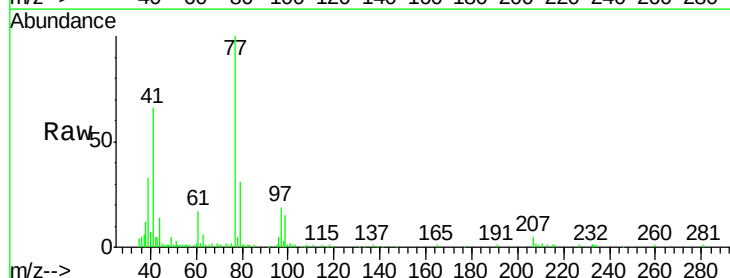
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0423SBS01

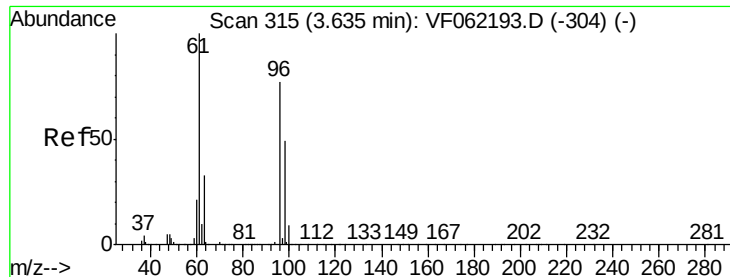
Tot Ion: 43 Resp: 148406
 Ion Ratio Lower Upper
 43 100
 72 19.5 16.1 24.1



#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



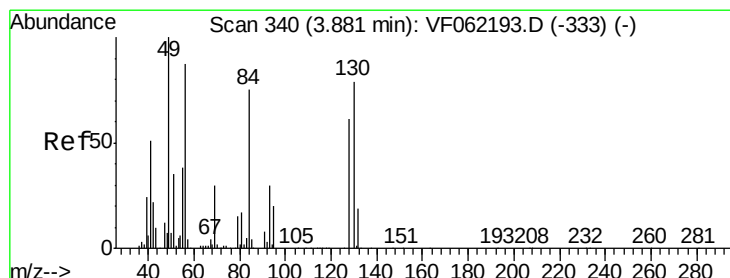
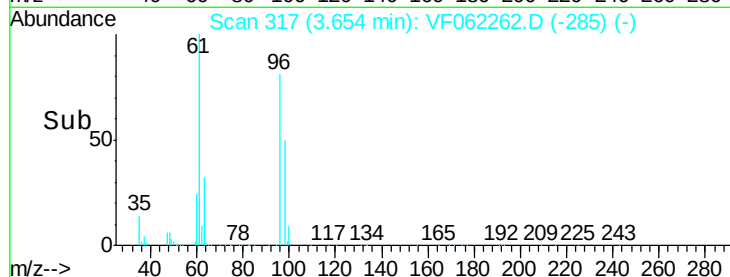
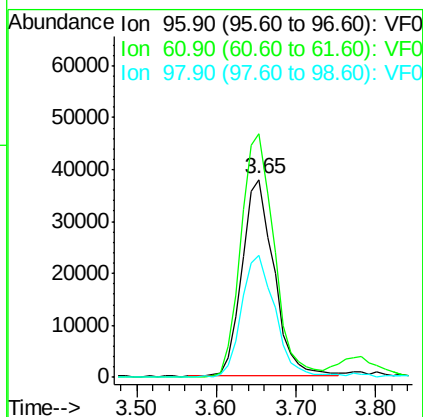
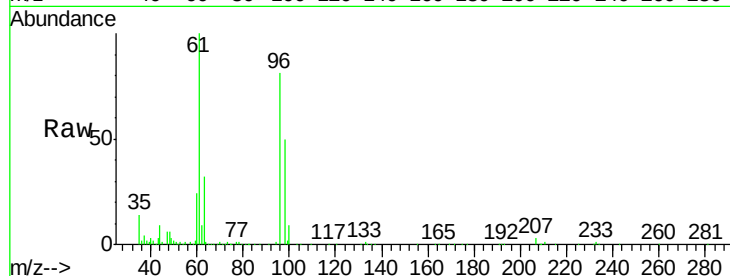


#27

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

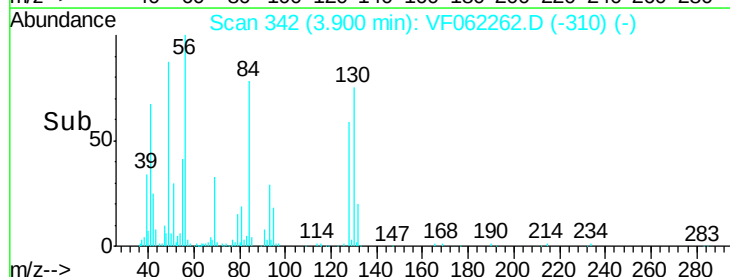
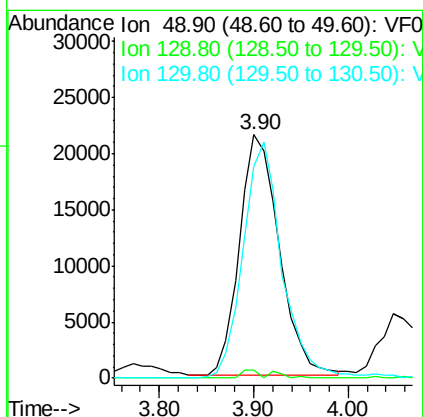
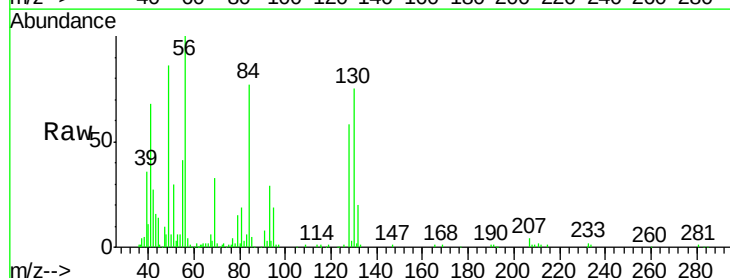
Tot Ion	Ratio	Lower	Upper
96	100		
61	128.8	0.0	253.6
98	65.8	0.0	124.8

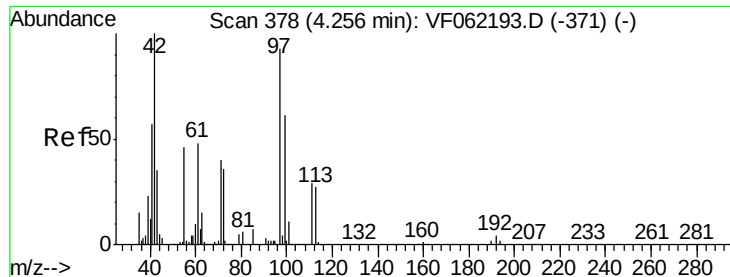


#28

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

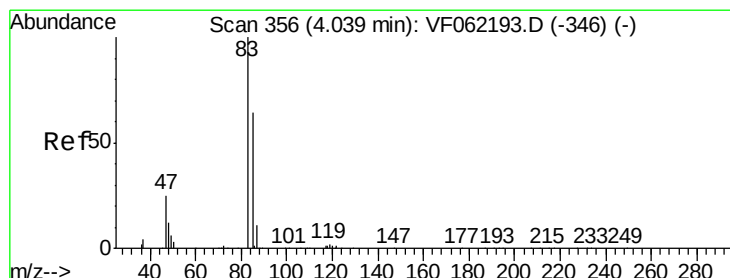
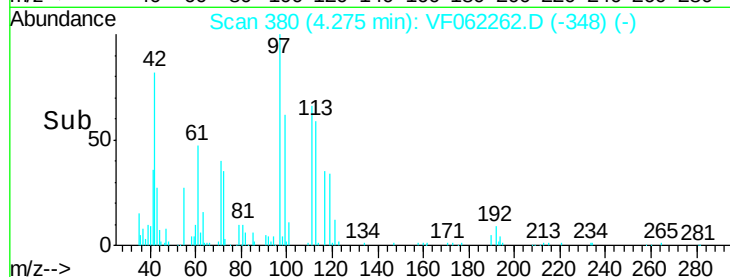
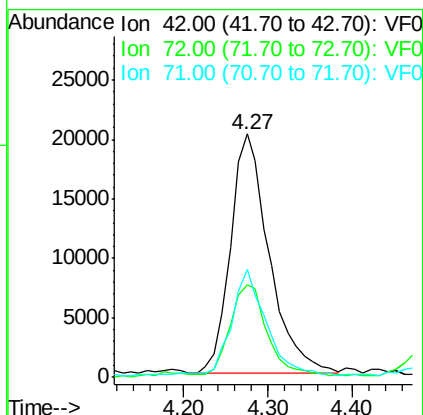
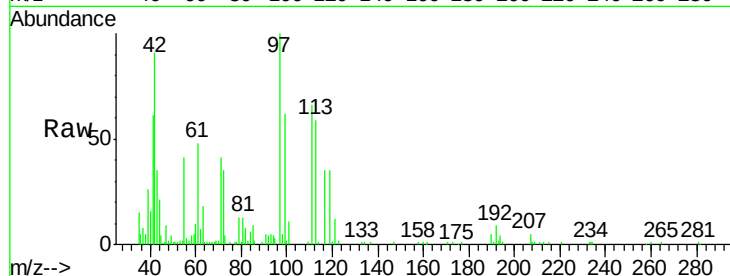




#29
Tetrahydrofuran
Concen: 83.751 ug/l
RT: 4.27 min Scan# 380
Delta R.T. 0.02 min
Lab File: VF062262.D
Acq: 23 Apr 2019 14:27

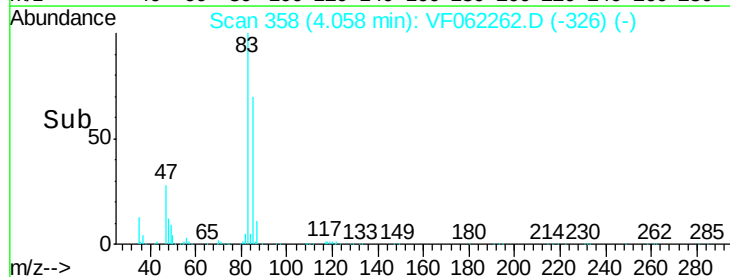
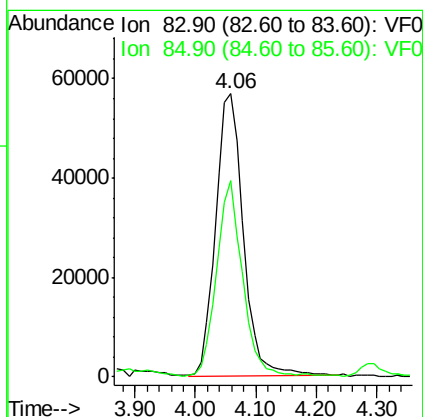
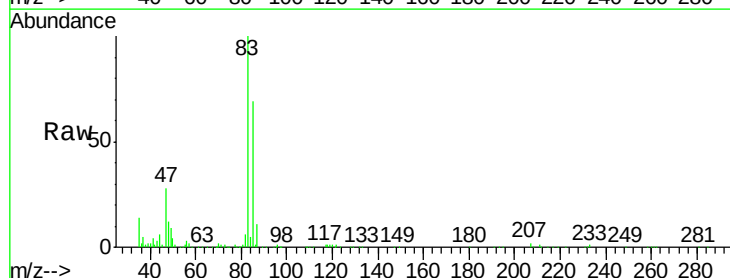
Instrument :
MSVOA_F
ClientSampleId :
VF0423SBS01

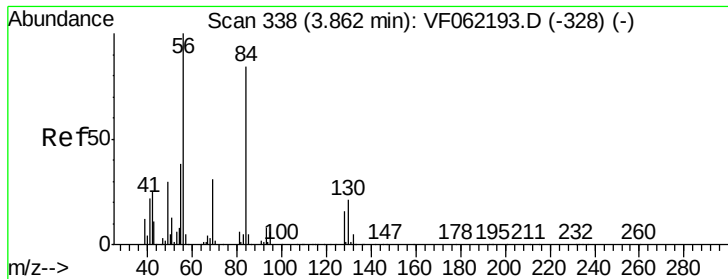
Tot Ion: 42 Resp: 64404
Ion Ratio Lower Upper
42 100
72 36.3 28.6 43.0
71 42.5 29.2 43.8



#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

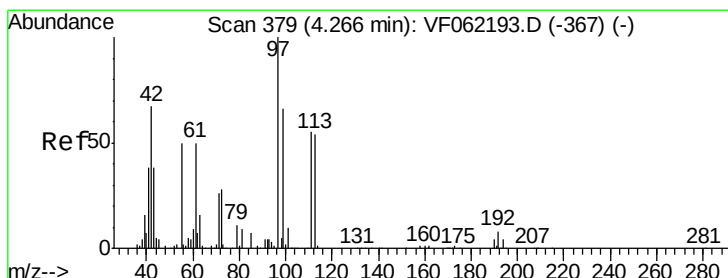
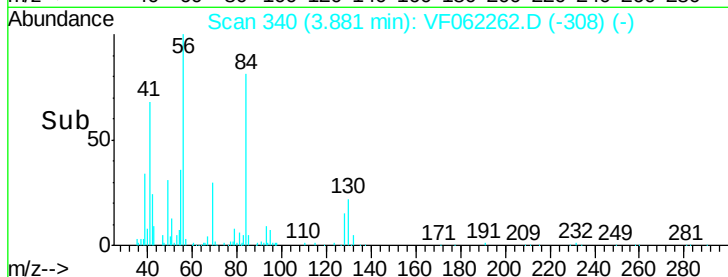
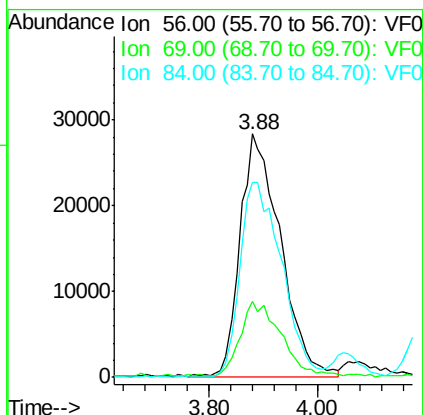
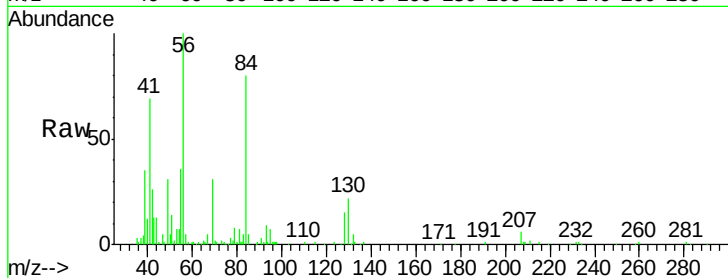




#31
Cyclohexane
Concen: 17.799 ug/l
RT: 3.88 min Scan# 340
Delta R.T. 0.02 min
Lab File: VF062262.D
Acq: 23 Apr 2019 14:27

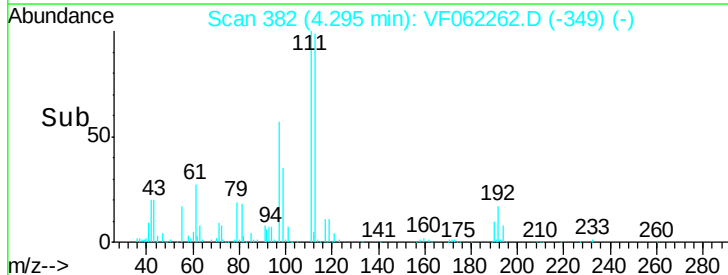
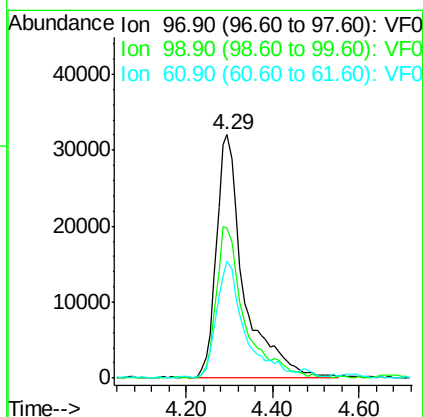
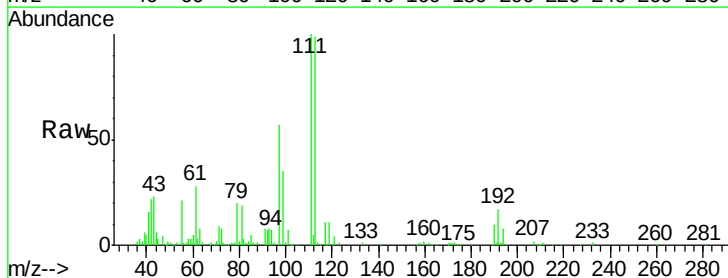
Instrument :
MSVOA_F
ClientSampleId :
VF0423SBS01

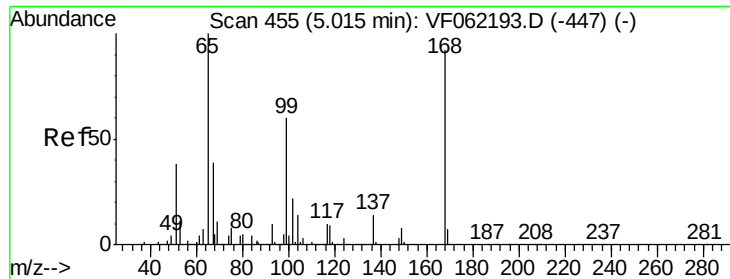
Tot Ion: 56 Resp: 147925
Ion Ratio Lower Upper
56 100
69 30.1 25.1 37.7
84 80.2 67.8 101.6



#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#

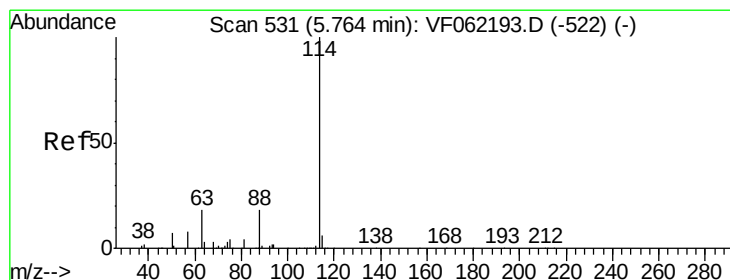
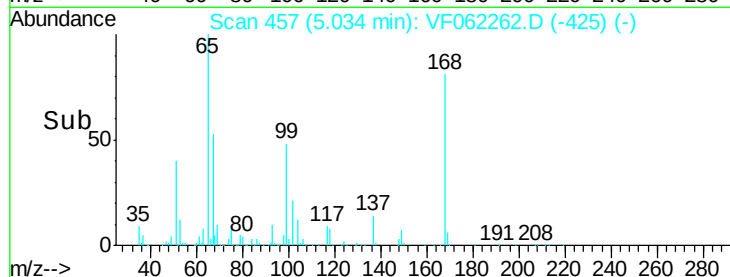
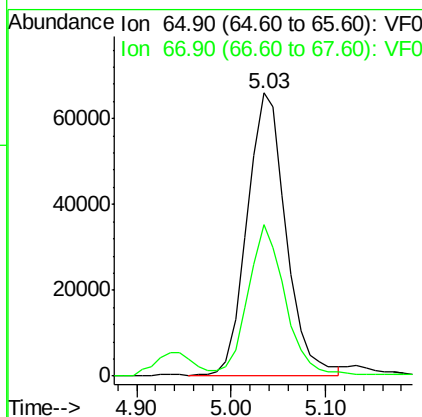
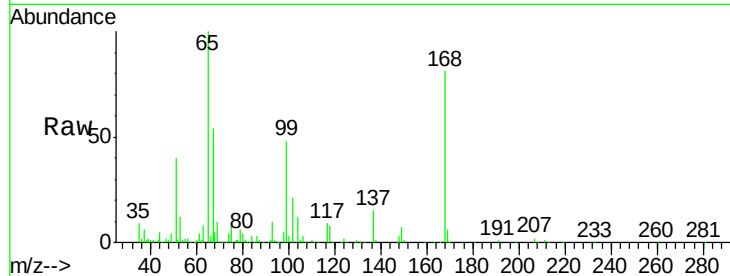




#33
 1,2-Dichloroethane-d4
 Concen: 52.495 ug/l
 RT: 5.03 min Scan# 457
 Delta R.T. 0.02 min
 Lab File: VF062262.D
 Acq: 23 Apr 2019 14:27

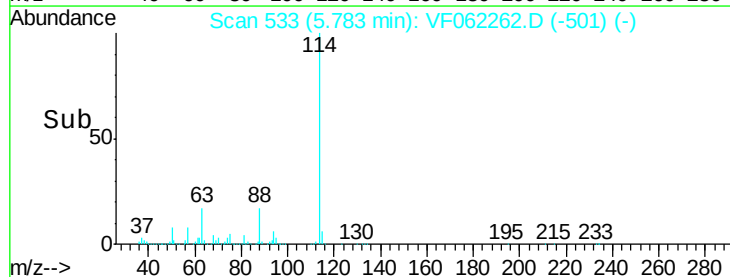
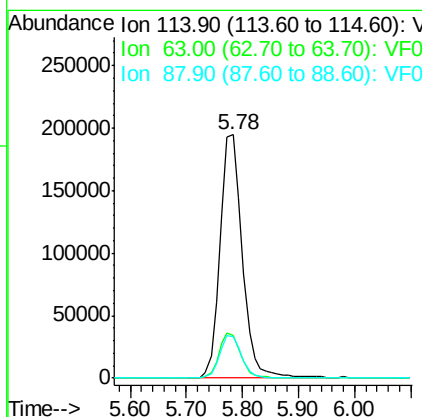
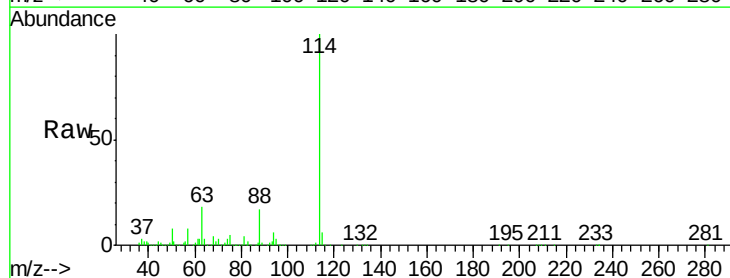
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0423SBS01

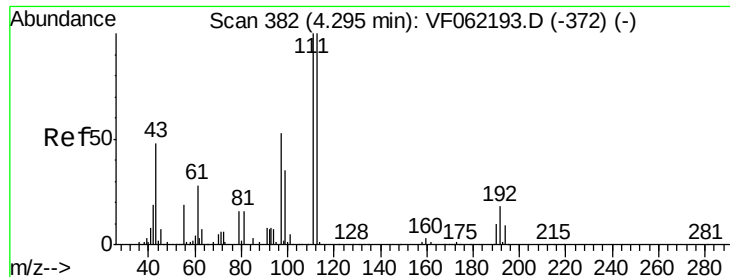
Tot Ion: 65 Resp: 186600
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 109.4



#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





#35

Dibromofluoromethane

Concen: 50.752 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

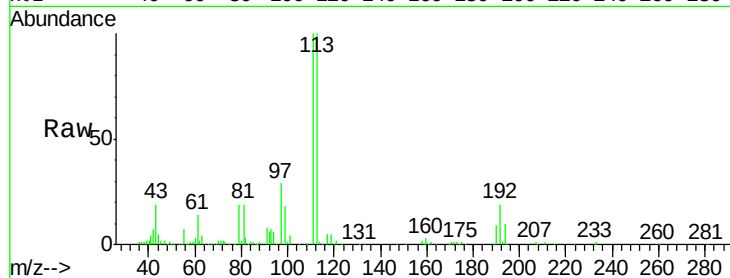
Tot Ion:113 Resp: 240280

Ion Ratio Lower Upper

113 100

111 103.6 81.1 121.7

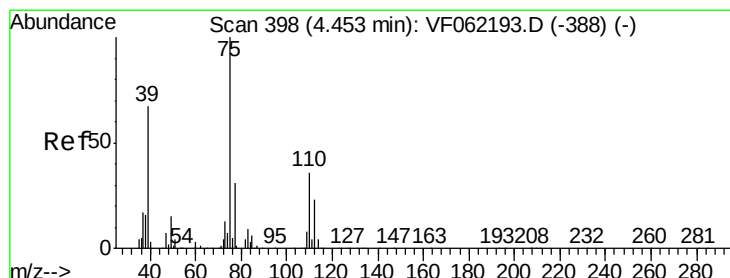
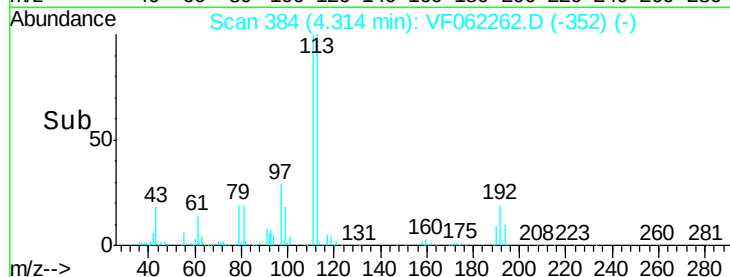
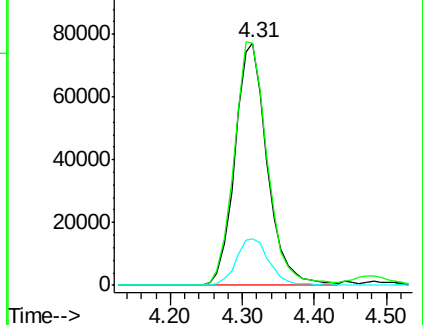
192 19.8 14.7 22.1



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

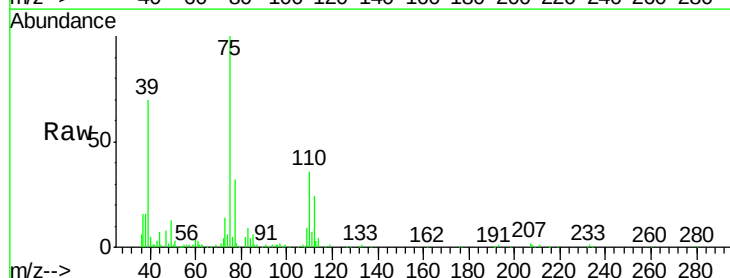
Tgt Ion: 75 Resp: 132227

Ion Ratio Lower Upper

75 100

110 37.0 18.4 55.2

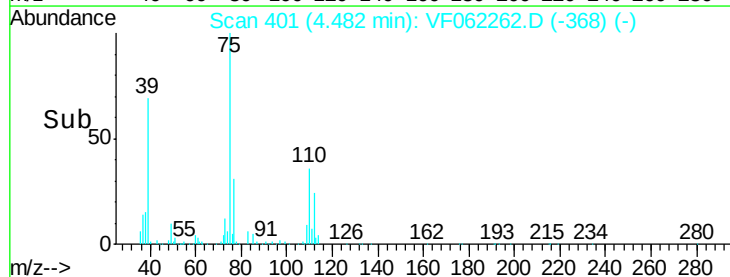
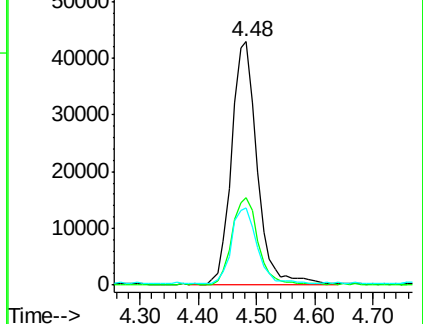
77 31.0 25.4 38.2

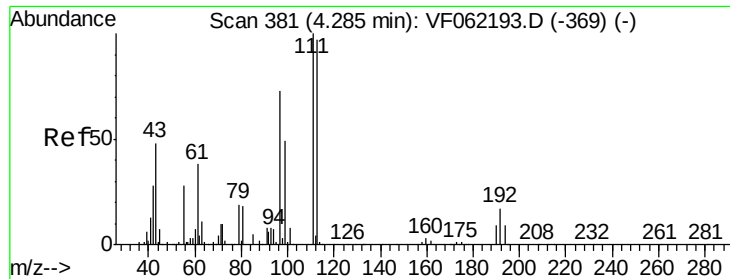


Abundance Ion 74.90 (74.60 to 75.60): VF0

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

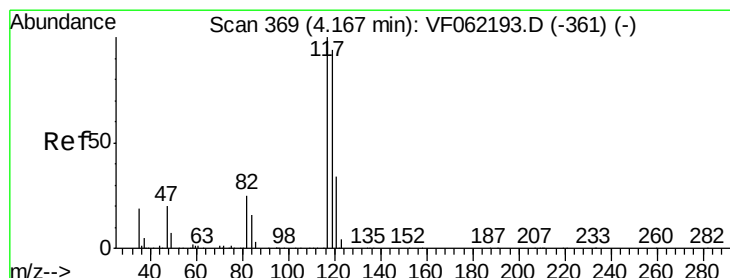
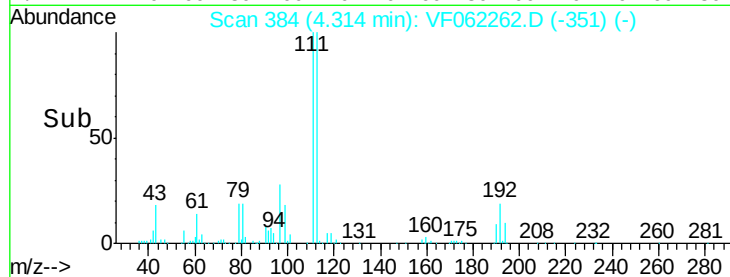
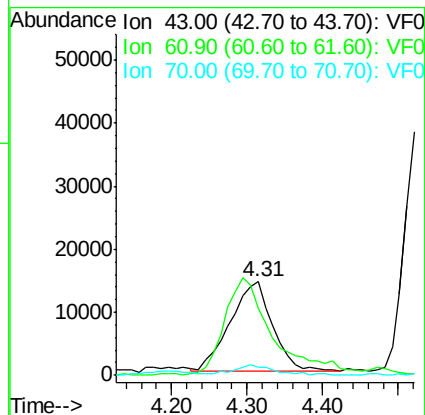
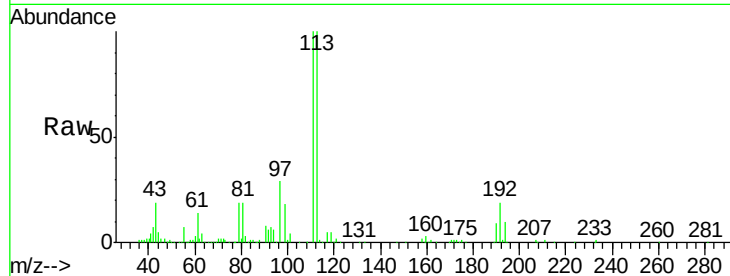
Tot Ion: 43 Resp: 54222

Ion Ratio Lower Upper

43 100

61 127.9 0.0 0.0#

70 12.0 7.8 11.6#



#38

Carbon Tetrachloride

Concen: 22.363 ug/l m

RT: 4.19 min Scan# 371

Delta R.T. 0.02 min

Lab File: VF062262.D

Acq: 23 Apr 2019 14:27

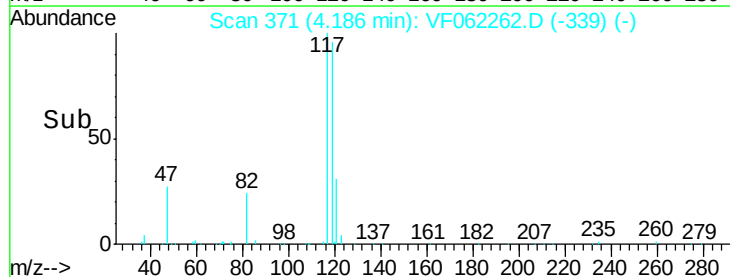
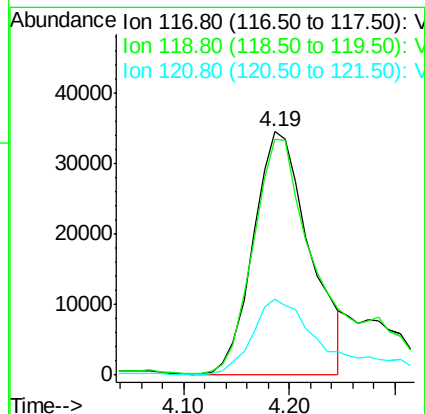
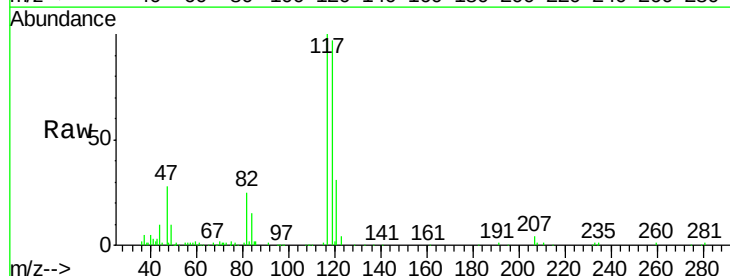
Tgt Ion: 117 Resp: 128445

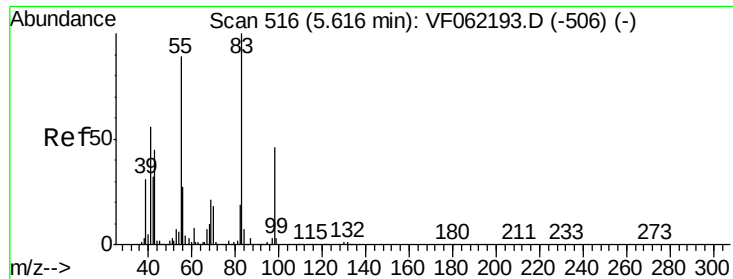
Ion Ratio Lower Upper

117 100

119 96.8 75.0 112.4

121 31.2 26.9 40.3

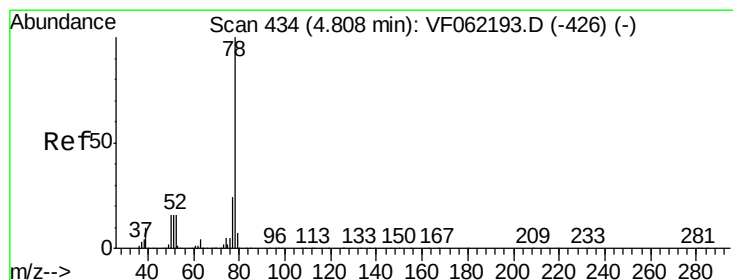
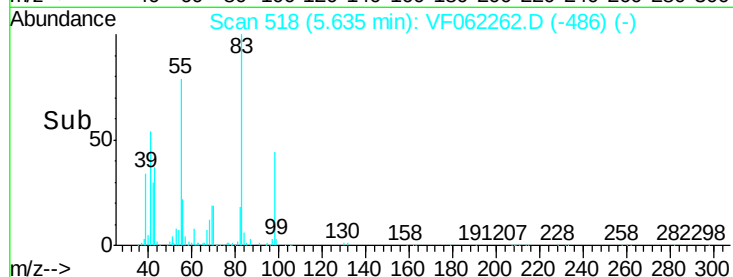
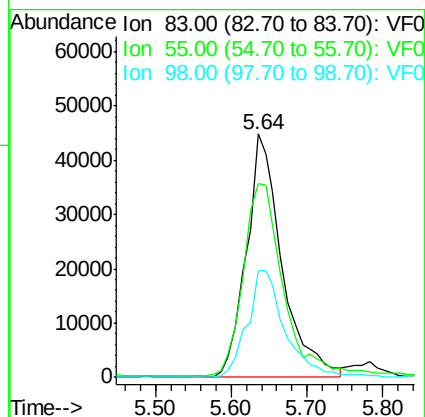
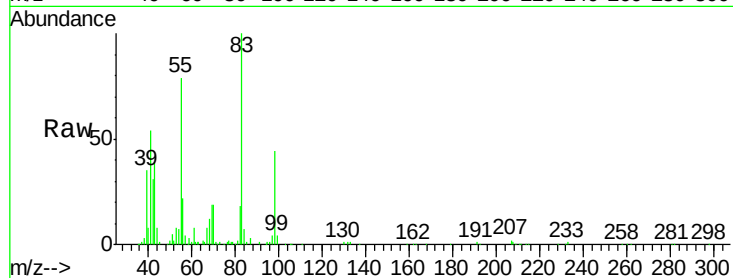




#39
Methylcyclohexane
Concen: 18.930 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.02 min
Lab File: VF062262.D
Acq: 23 Apr 2019 14:27

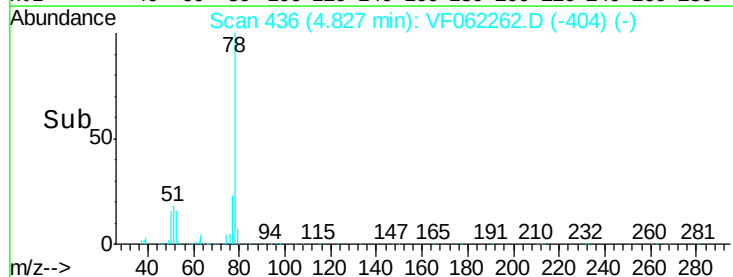
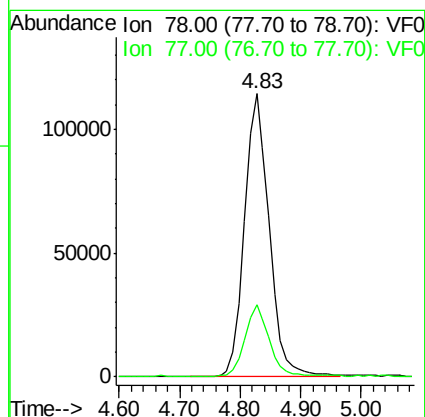
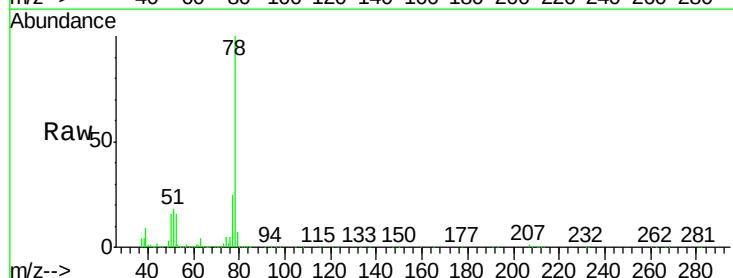
Instrument :
MSVOA_F
ClientSampleId :
VF0423SBS01

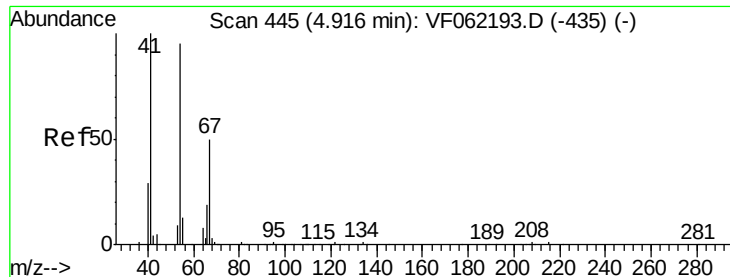
Tot Ion: 83 Resp: 147076
Ion Ratio Lower Upper
83 100
55 78.8 71.0 106.6
98 44.0 36.7 55.1



#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

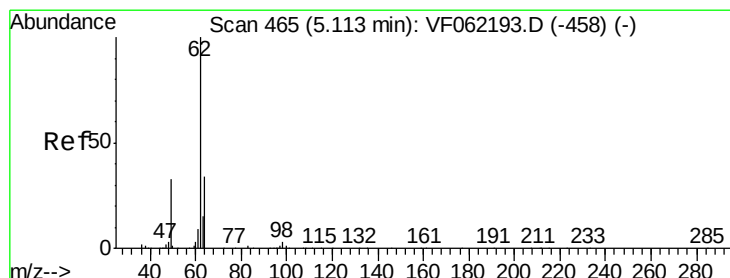
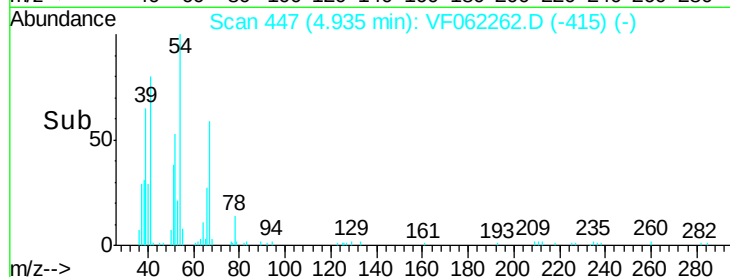
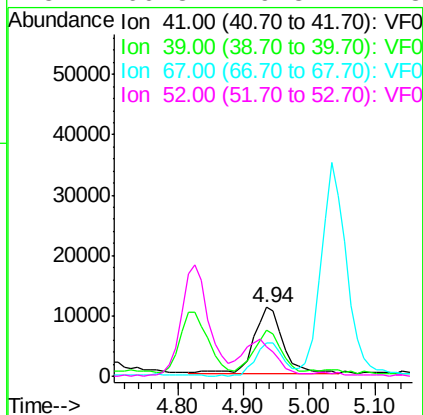
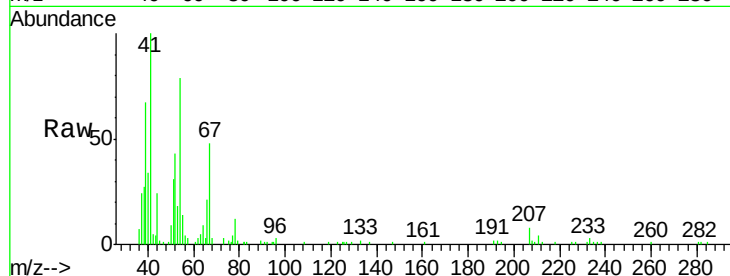




#41
Methacrylonitrile
Concen: 19.795 ug/l
RT: 4.94 min Scan# 447
Delta R.T. 0.02 min
Lab File: VF062262.D
Acq: 23 Apr 2019 14:27

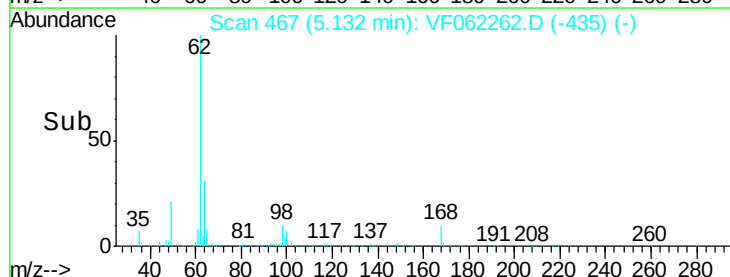
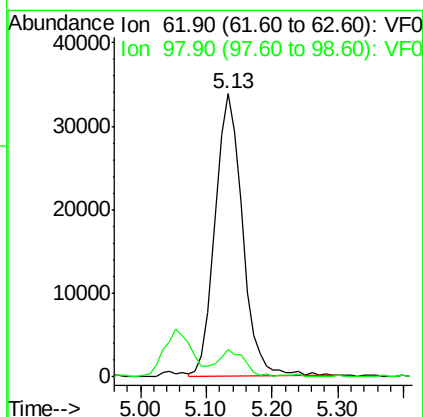
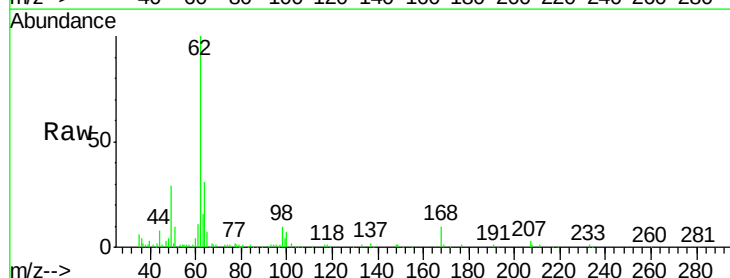
Instrument :
MSVOA_F
ClientSampleId :
VF0423SBS01

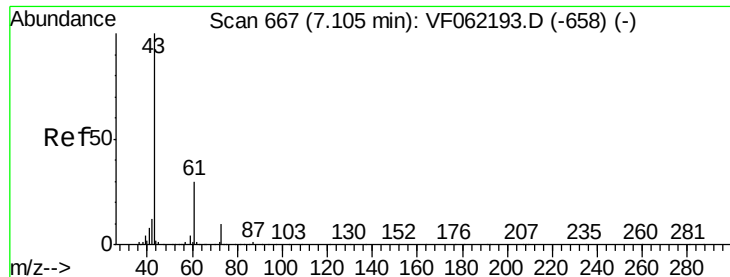
Tot Ion:	41	Resp:	34963
Ion	Ratio	Lower	Upper
41	100		
39	53.0	44.7	67.1
67	48.5	39.1	58.7
52	60.8	49.8	74.8



#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





#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

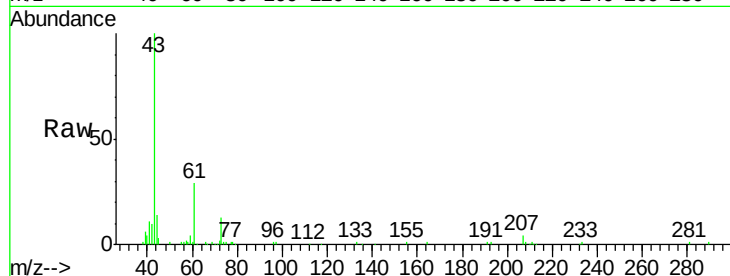
Tot Ion: 43 Resp: 59710

Ion Ratio Lower Upper

43 100

61 28.0 24.4 36.6

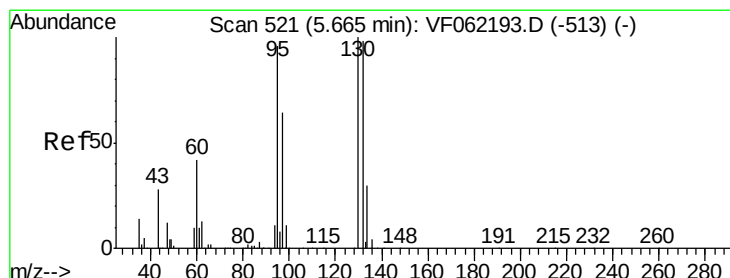
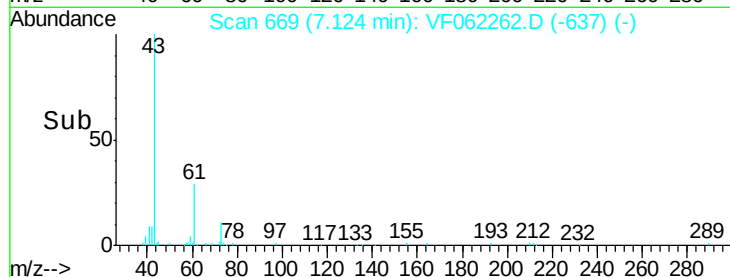
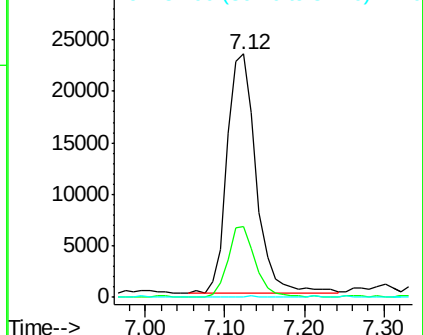
87 0.1 0.4 0.6#



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

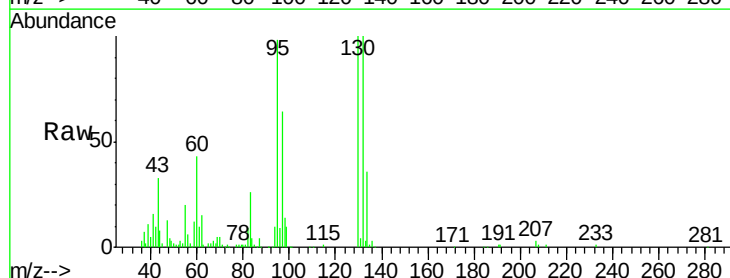
Acq: 23 Apr 2019 14:27

Tgt Ion:130 Resp: 101438

Ion Ratio Lower Upper

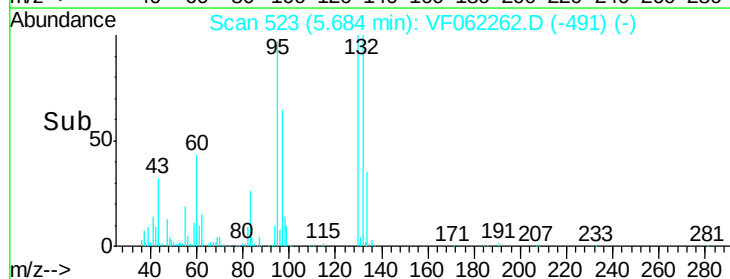
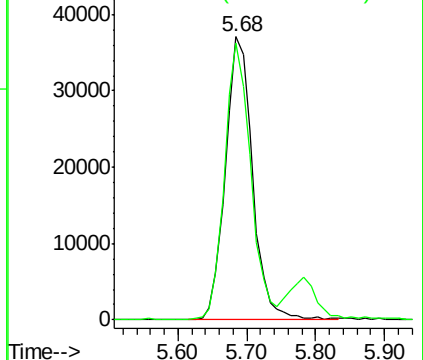
130 100

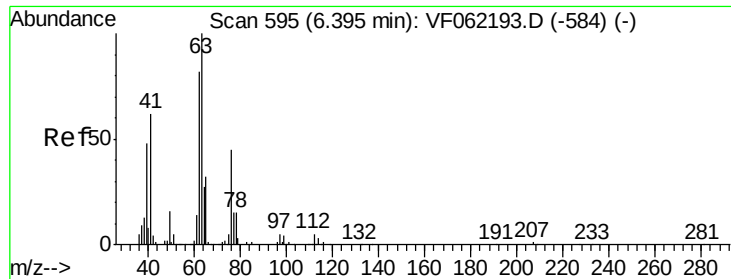
95 97.9 0.0 191.4



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 :

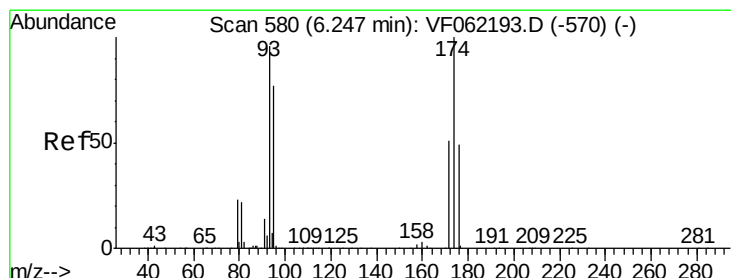
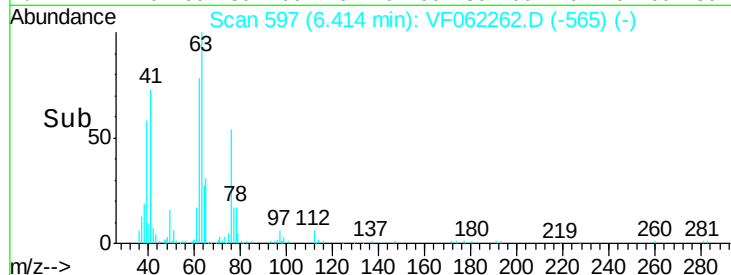
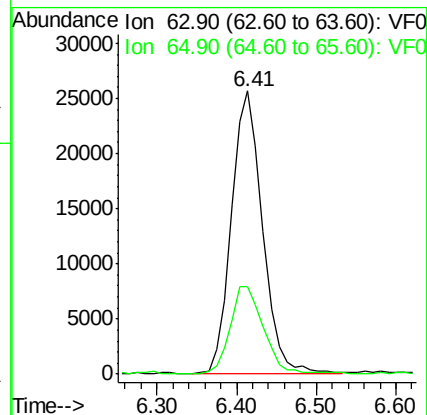
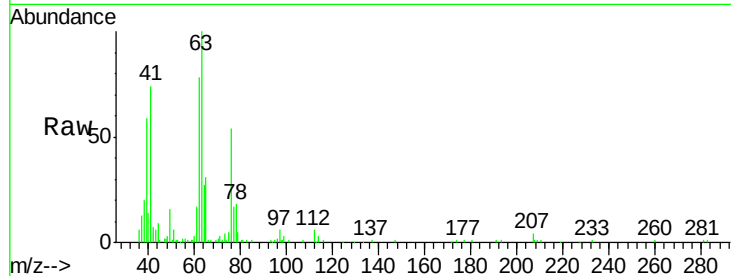
VF0423SBS01

Tot 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

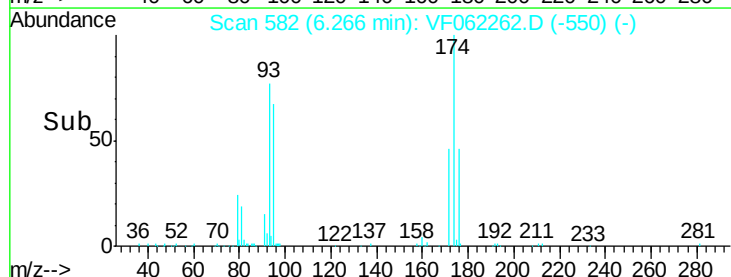
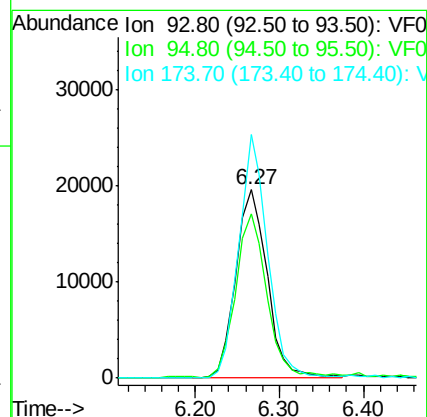
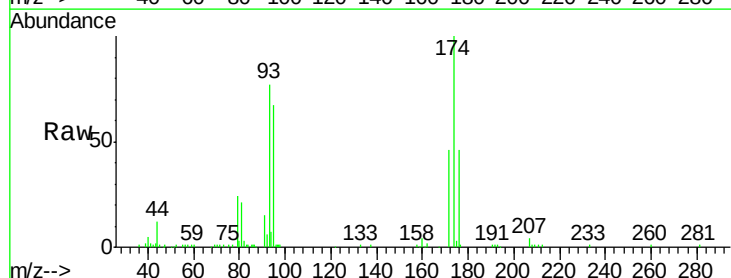
Tgt Ion: 93 Resp: 51327

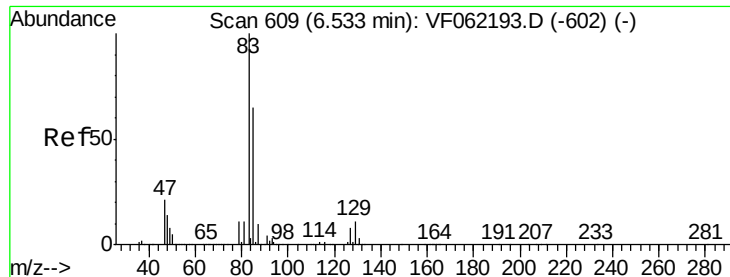
Ion Ratio Lower Upper

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

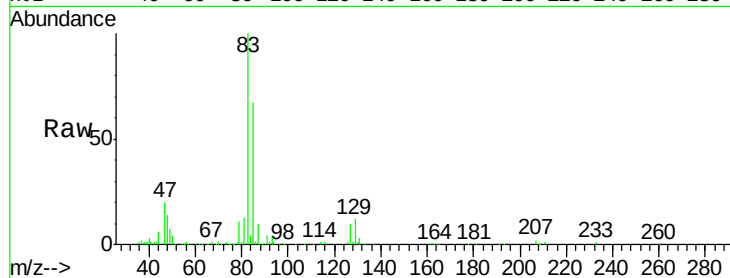
Tot Ion: 83 Resp: 120169

Ion Ratio Lower Upper

83 100

85 67.2 52.2 78.4

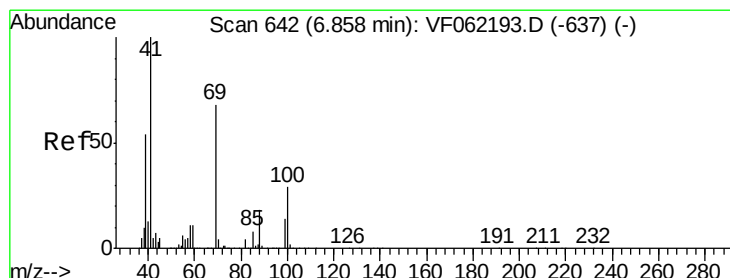
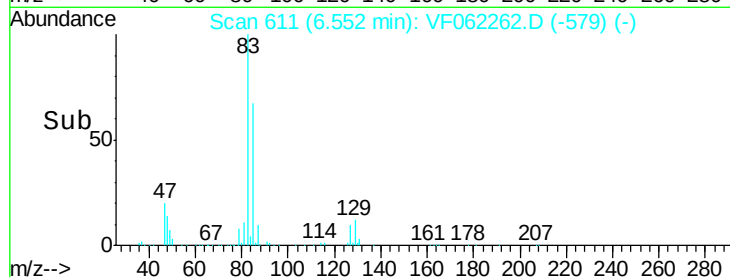
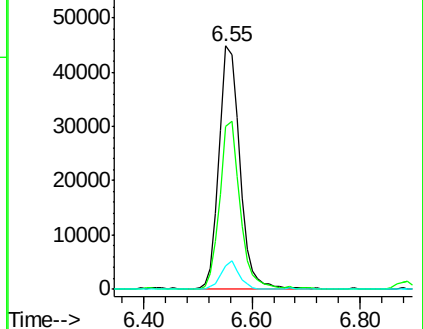
127 9.7 6.7 10.1



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

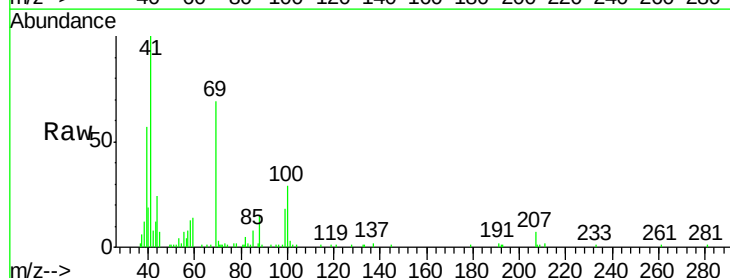
Tgt Ion: 41 Resp: 39157

Ion Ratio Lower Upper

41 100

69 72.9 54.9 82.3

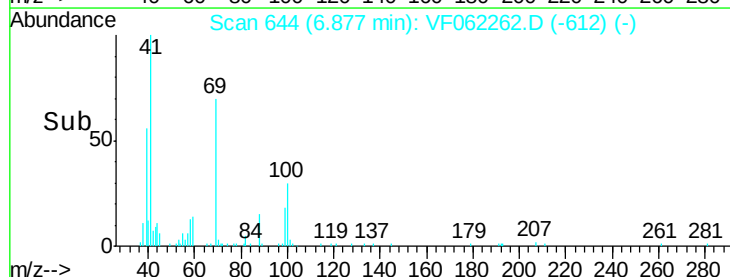
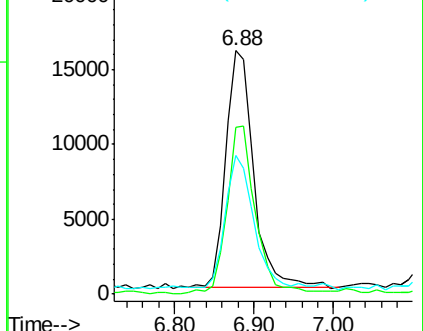
39 55.4 43.6 65.4

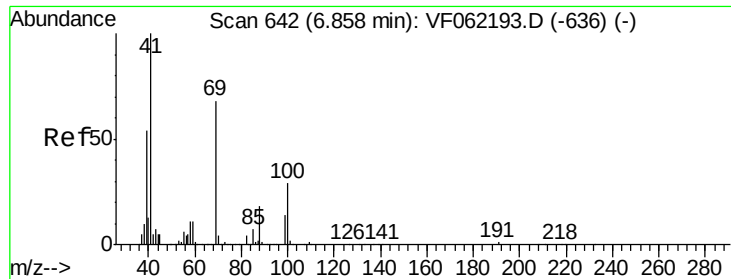


Abundance Ion 41.00 (40.70 to 41.70): VF0

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

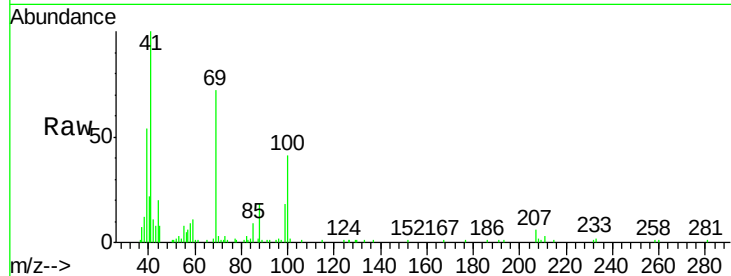
Tot Ion: 88 Resp: 8643

Ion Ratio Lower Upper

88 100

43 59.2 36.9 55.3#

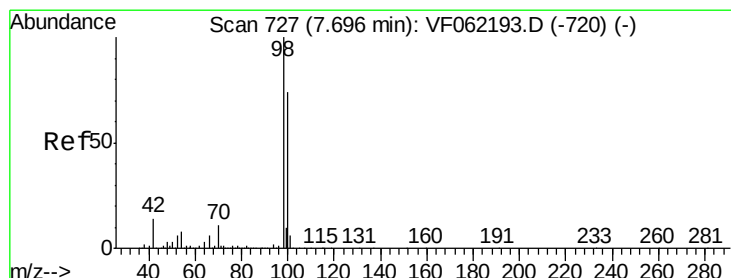
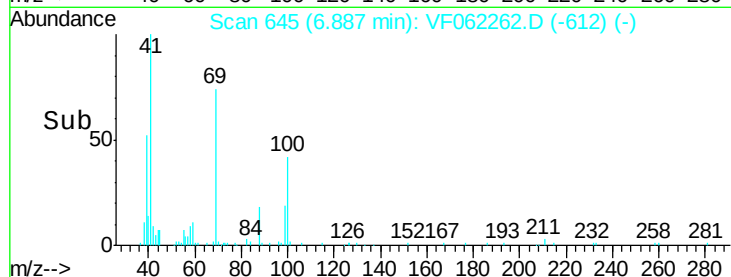
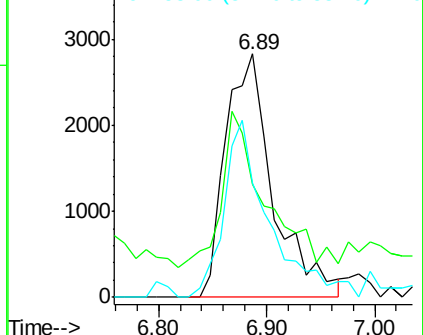
58 69.0 56.8 85.2



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: 48.815 ug/l

RT: 7.72 min Scan# 729

Delta R.T. 0.02 min

Lab File: VF062262.D

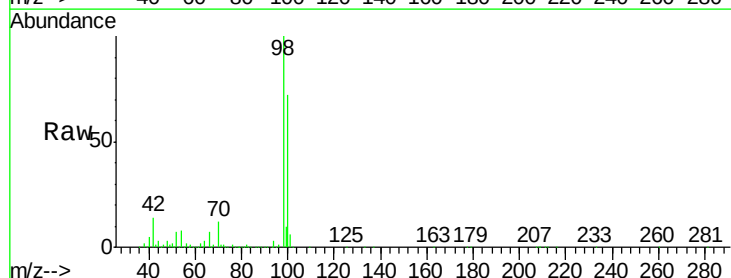
Acq: 23 Apr 2019 14:27

Tgt Ion: 98 Resp: 585019

Ion Ratio Lower Upper

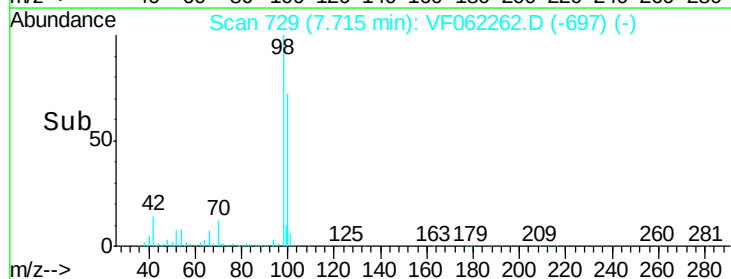
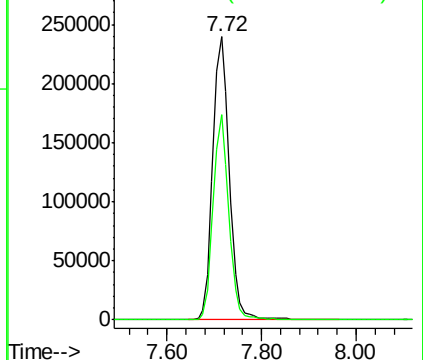
98 100

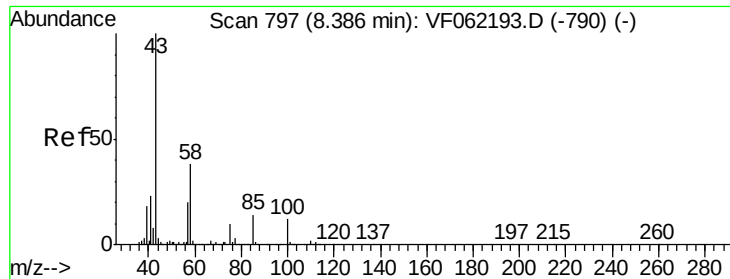
100 68.4 56.2 84.2



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 :

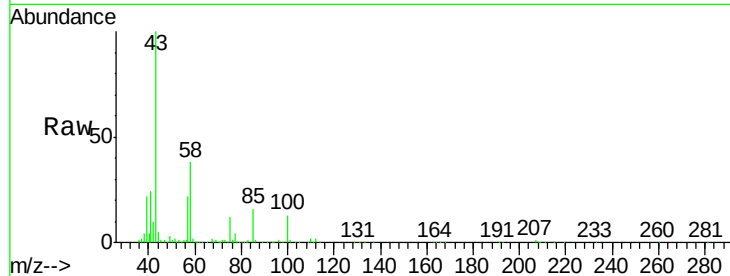
VF0423SBS01

Tot Ion: 43 Resp: 226748

Ion Ratio Lower Upper

43 100

58 36.5 29.3 43.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.41

100000

80000

60000

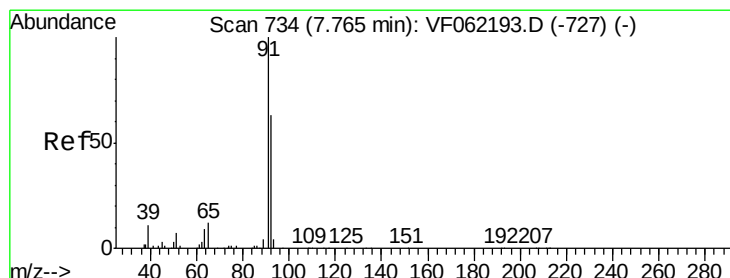
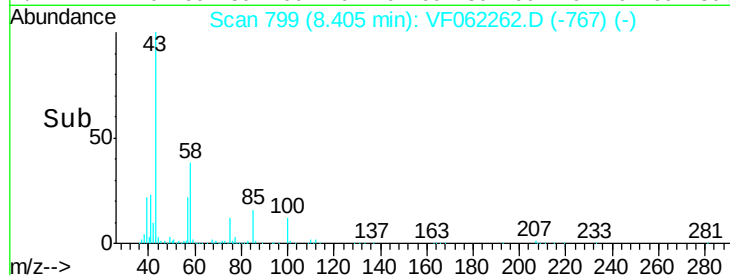
40000

20000

0

8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 20.286 ug/l

RT: 7.78 min Scan# 736

Delta R.T. 0.02 min

Lab File: VF062262.D

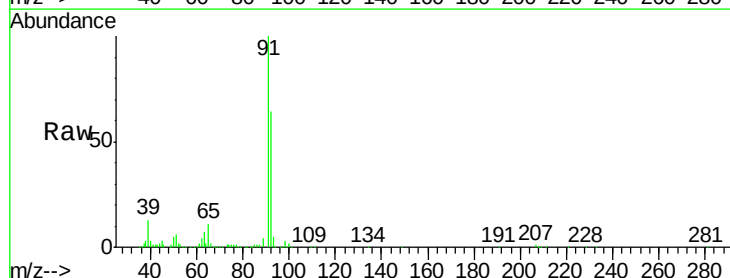
Acq: 23 Apr 2019 14:27

Tgt Ion: 92 Resp: 182003

Ion Ratio Lower Upper

92 100

91 167.0 130.1 195.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

150000

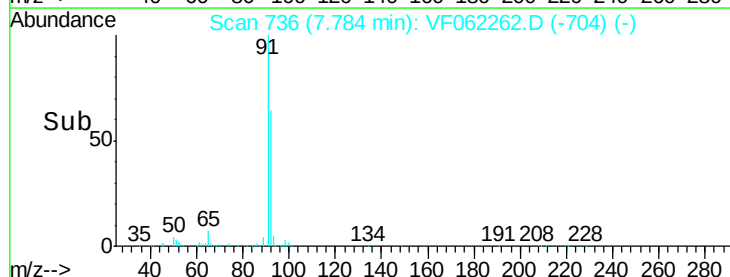
100000

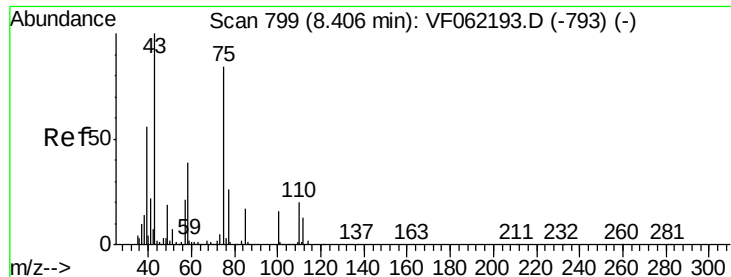
50000

0

7.70 7.80 7.90 8.00

Time-->

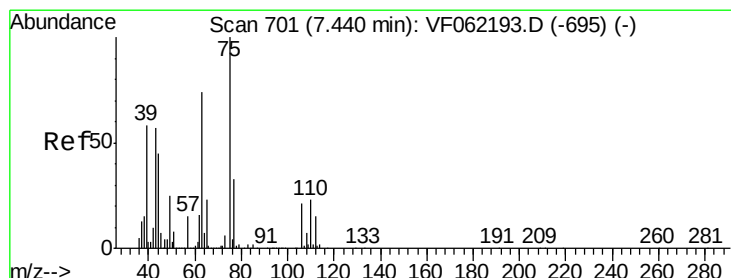
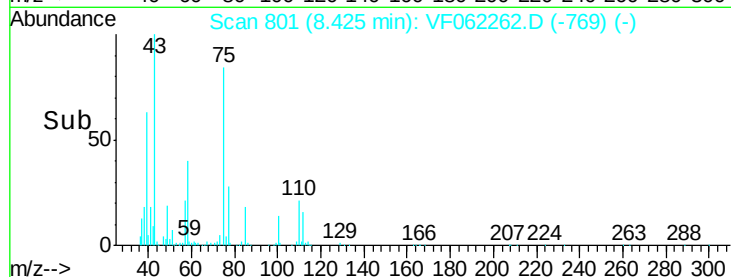
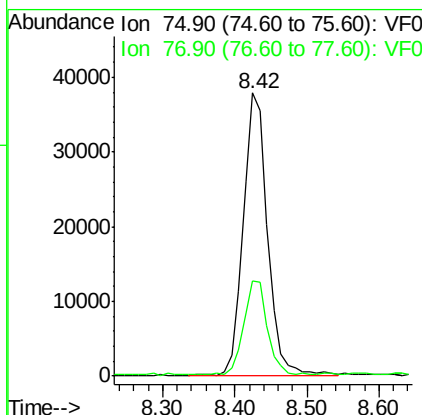
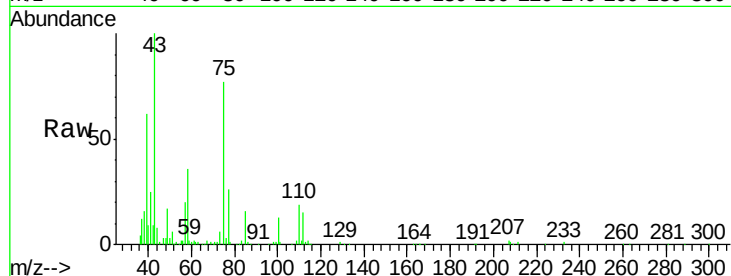




#53
t-1,3-Dichloropropene
Concen: 21.305 ug/l
RT: 8.42 min Scan# 801
Delta R.T. 0.02 min
Lab File: VF062262.D
Acq: 23 Apr 2019 14:27

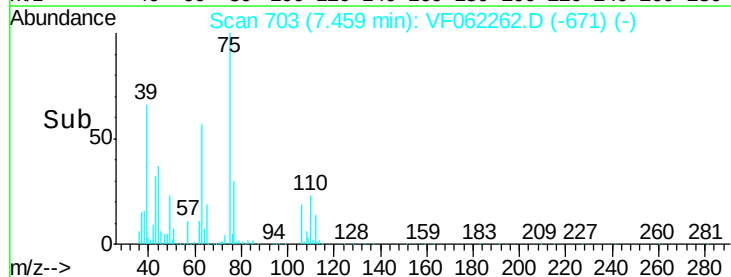
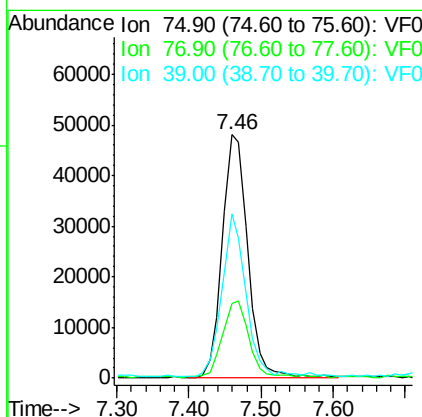
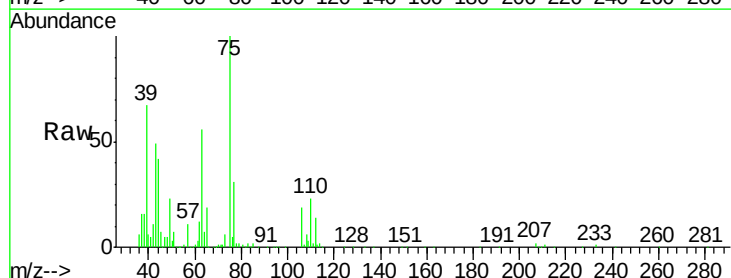
Instrument :
MSVOA_F
ClientSampleId :
VF0423SBS01

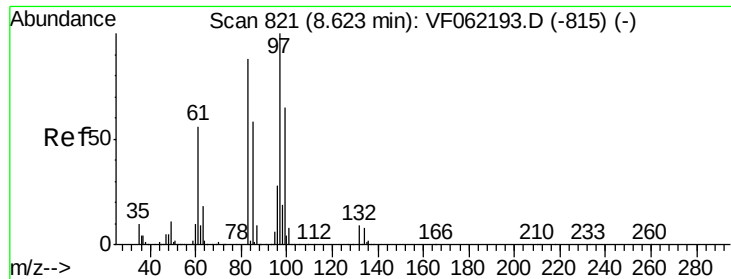
Tot Ion: 75 Resp: 90076
Ion Ratio Lower Upper
75 100
77 32.9 24.6 36.8



#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

Tot Ion: 97 Resp: 53333

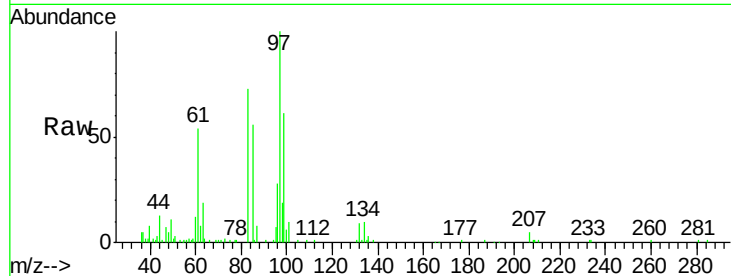
Ion Ratio Lower Upper

97 100

83 73.2 70.2 105.2

85 55.1 46.2 69.4

99 60.6 52.2 78.4

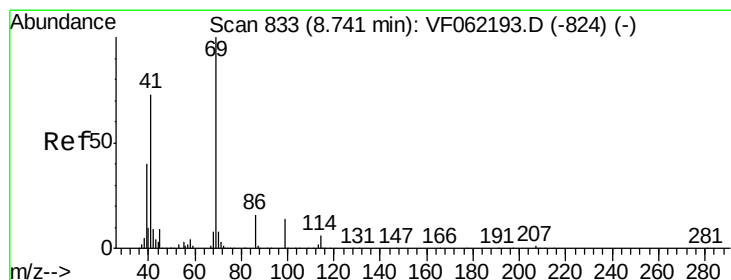
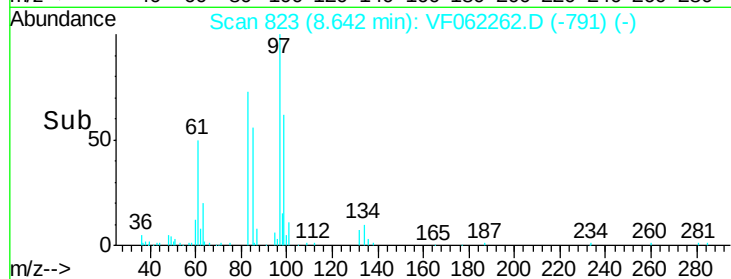
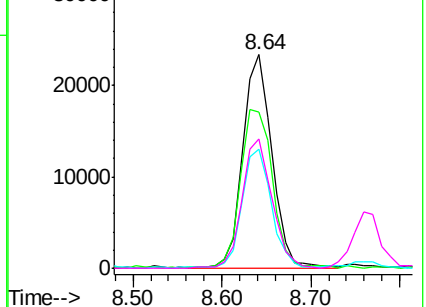


Abundance Ion 96.90 (96.60 to 97.60): VF0

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

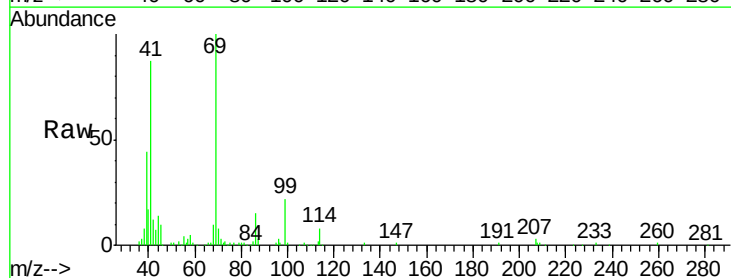
Tgt Ion: 69 Resp: 61265

Ion Ratio Lower Upper

69 100

41 78.3 61.5 92.3

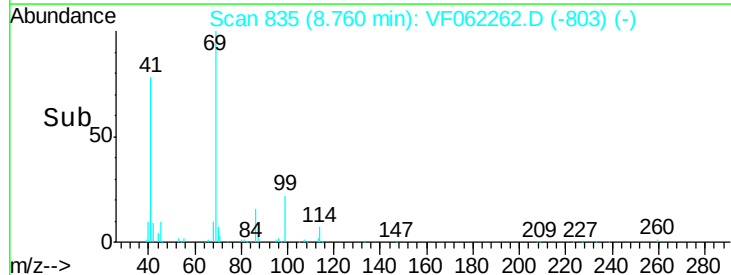
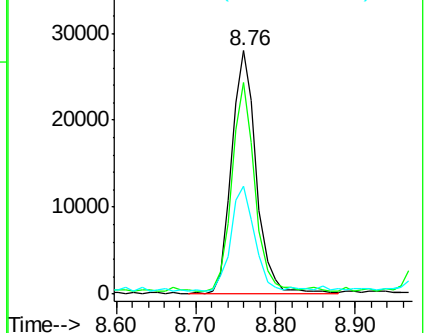
39 41.1 33.3 49.9

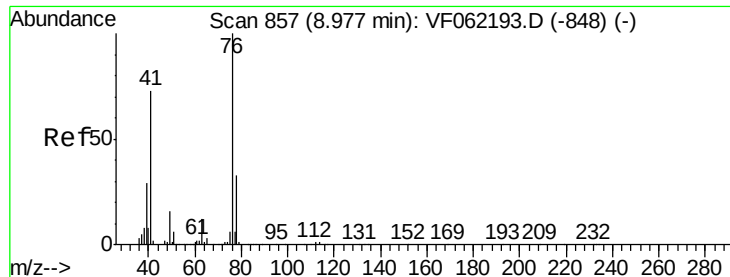


Abundance Ion 69.00 (68.70 to 69.70): VF0

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 :

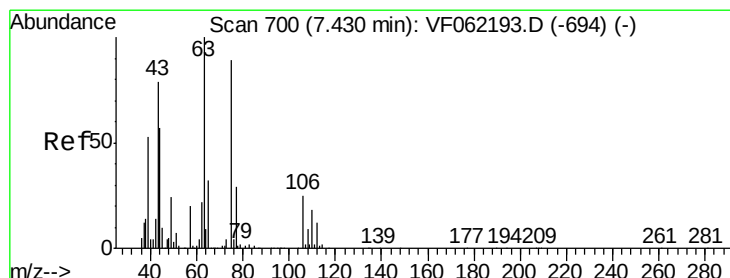
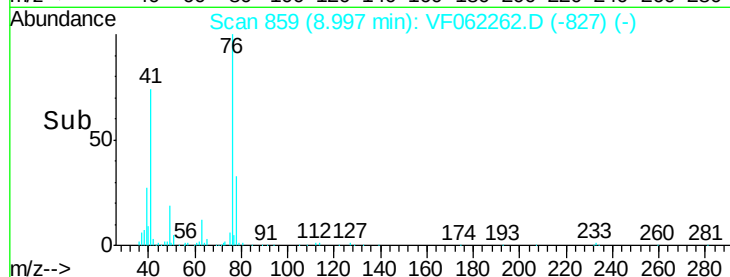
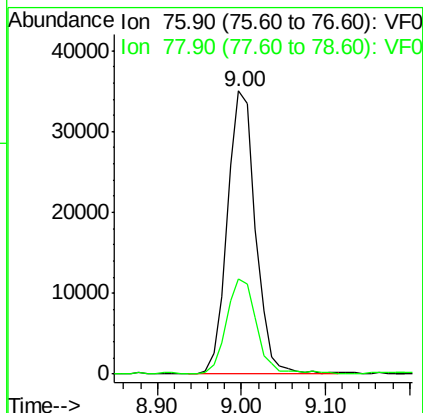
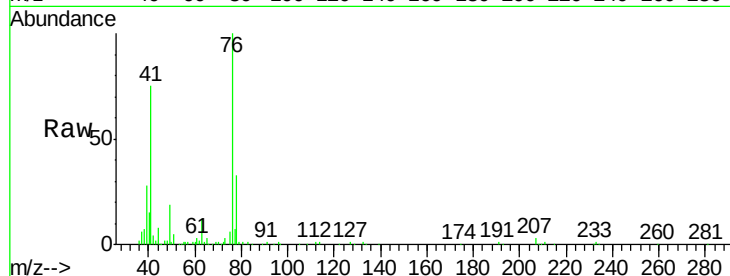
VF0423SBS01

Tot 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

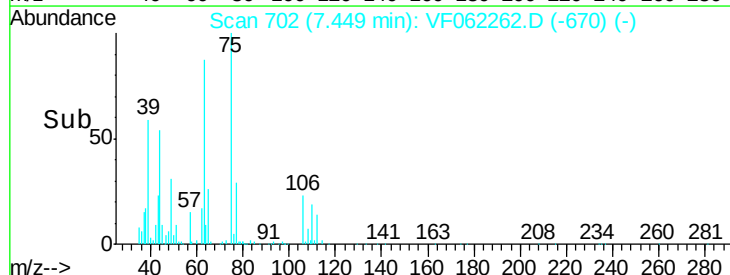
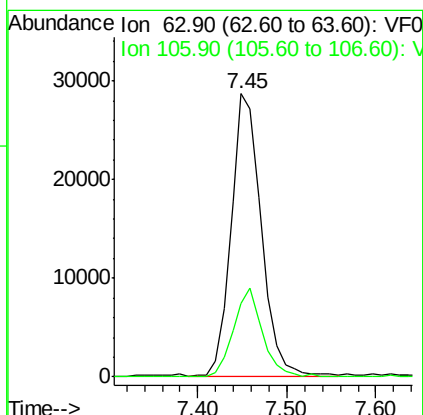
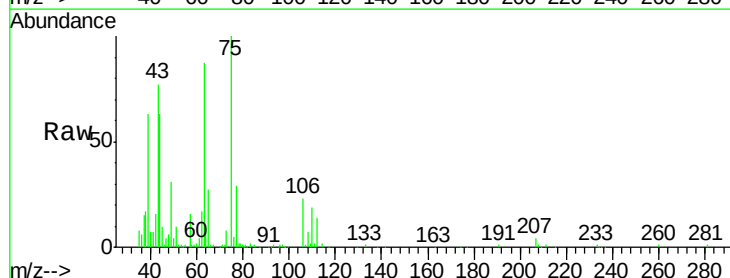
Acq: 23 Apr 2019 14:27

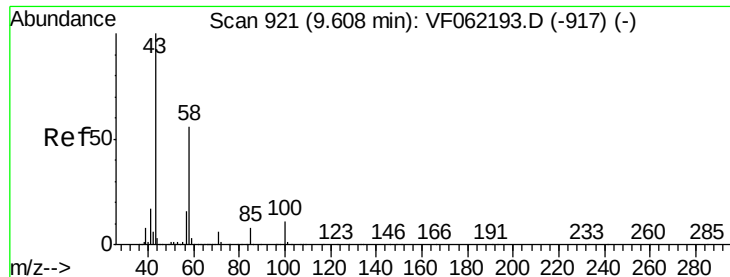
Tgt Ion: 63 Resp: 68339

Ion Ratio Lower Upper

63 100

106 29.6 21.4 32.0

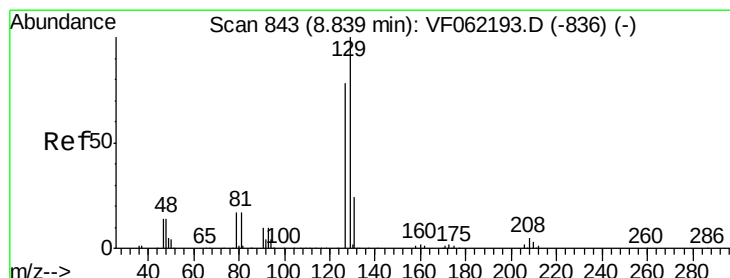
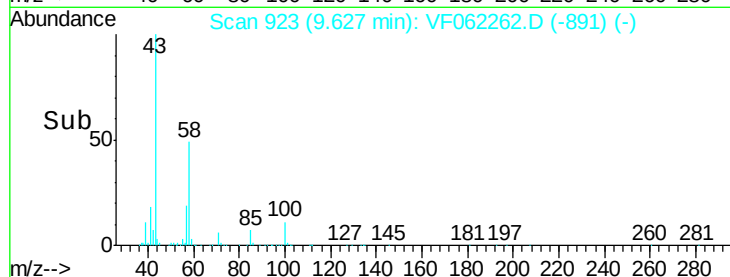
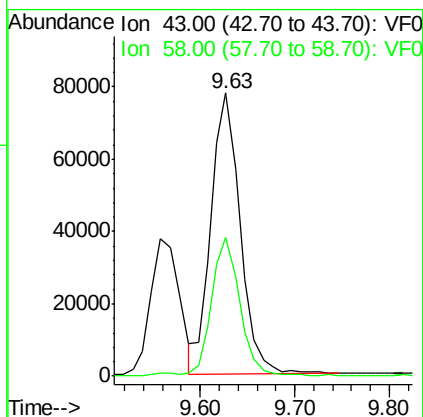
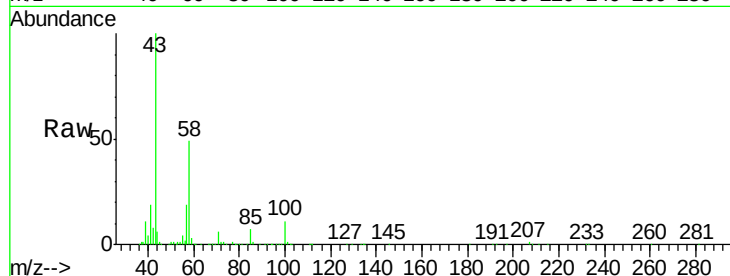




#59
2-Hexanone
Concen: 112.053 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.02 min
Lab File: VF062262.D
Acq: 23 Apr 2019 14:27

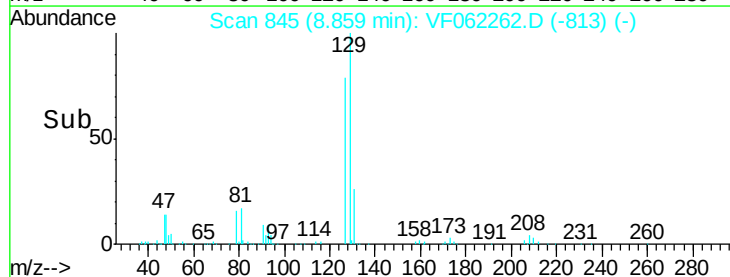
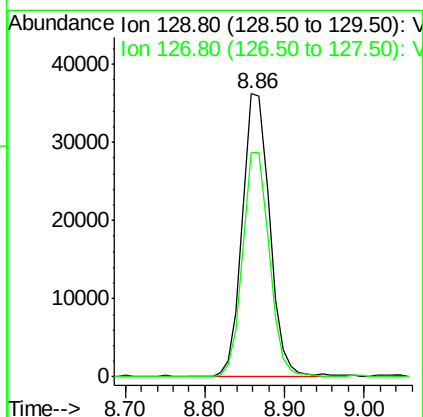
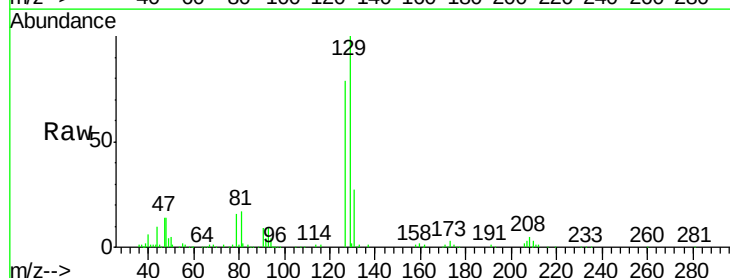
Instrument :
MSVOA_F
ClientSampleId :
VF0423SBS01

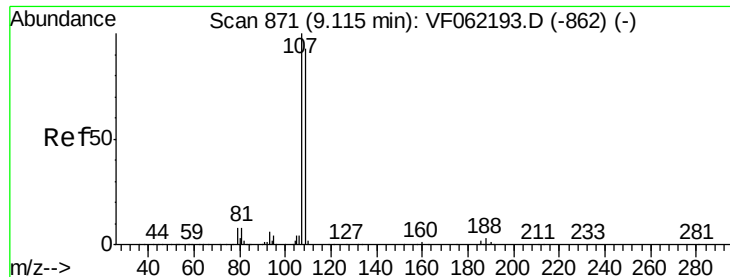
Tot Ion: 43 Resp: 167268
Ion Ratio Lower Upper
43 100
58 47.7 24.6 74.0



#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 :

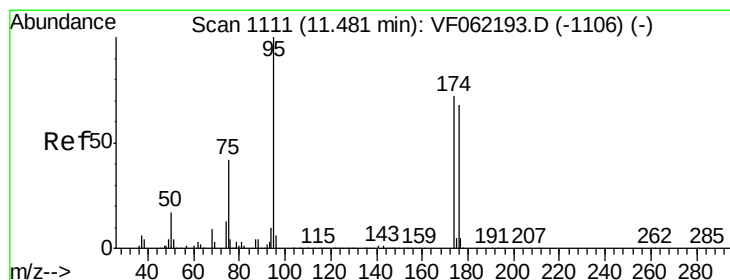
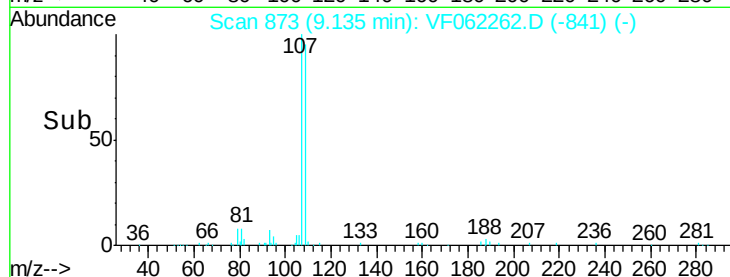
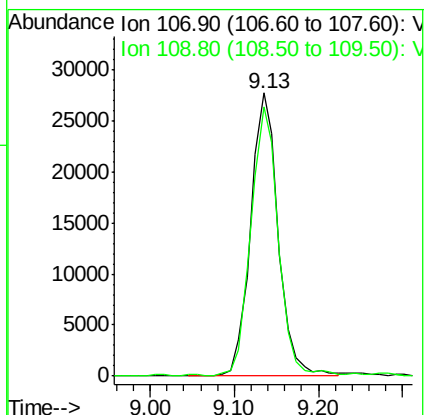
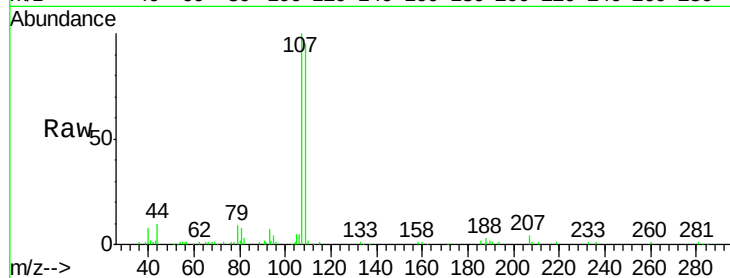
VF0423SBS01

Tot Ion:107 Resp: 63898

Ion Ratio Lower Upper

107 100

109 95.3 74.3 111.5



#62

4-Bromofluorobenzene

Concen: 53.109 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VF062262.D

Acq: 23 Apr 2019 14:27

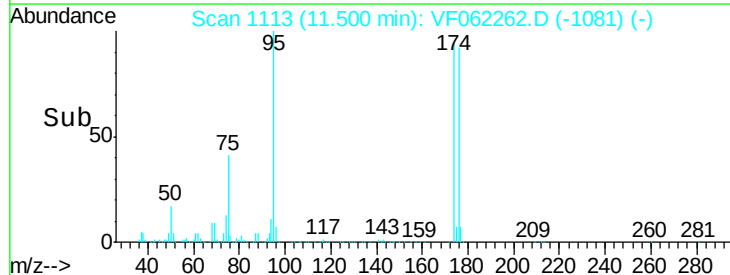
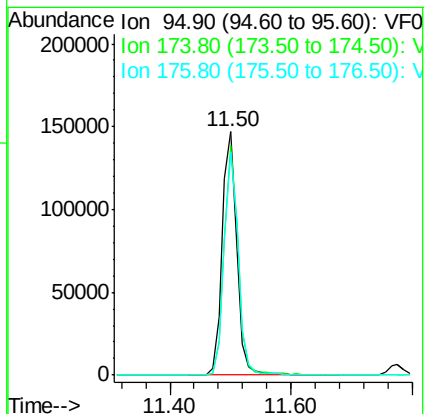
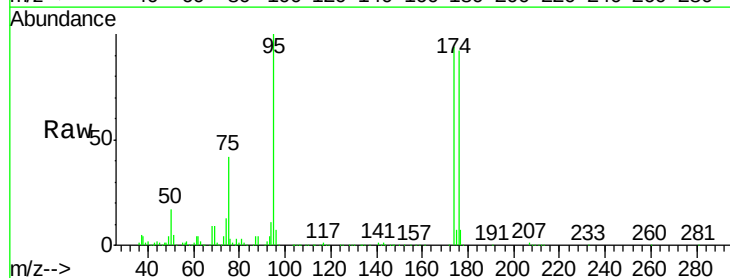
Tgt Ion: 95 Resp: 244851

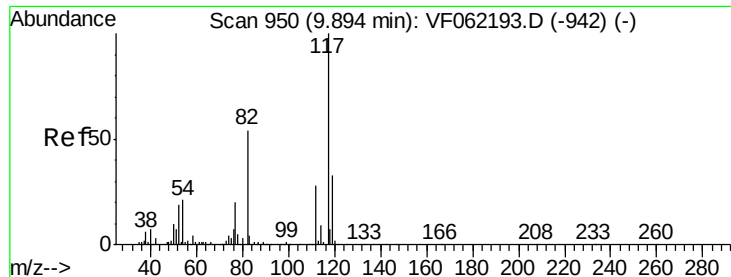
Ion Ratio Lower Upper

95 100

174 90.8 0.0 159.4

176 89.4 0.0 155.4





#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

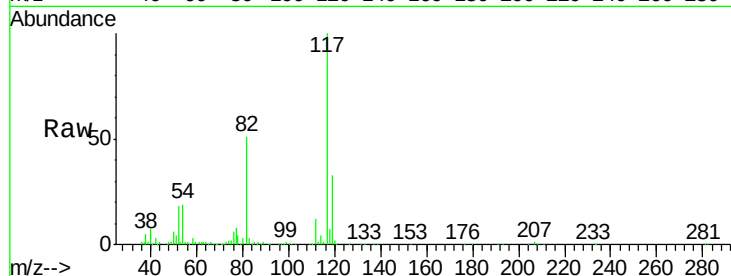
Tot Ion:117 Resp: 427721

Ion Ratio Lower Upper

117 100

82 51.4 43.2 64.8

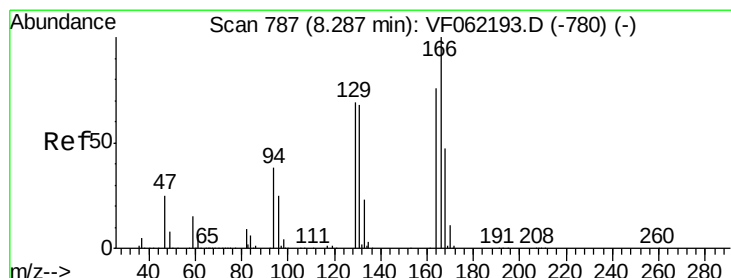
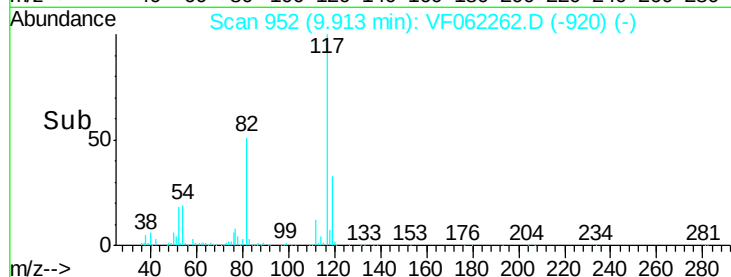
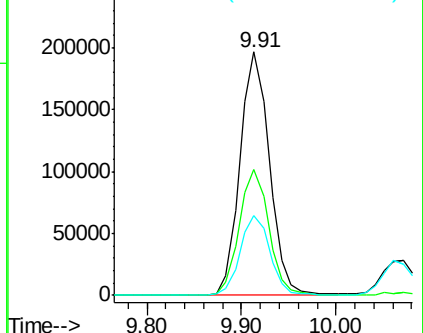
119 32.6 26.2 39.4



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

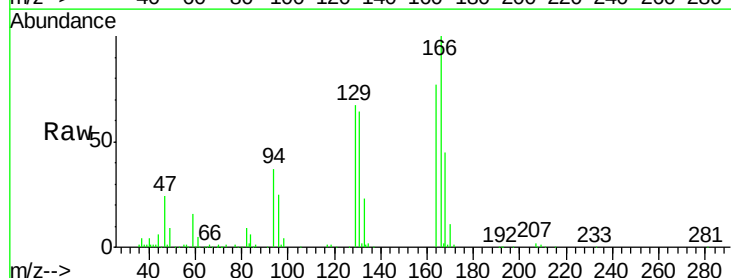
Ion Ratio Lower Upper

164 100

166 130.1 104.7 157.1

129 87.8 72.6 109.0

131 83.0 71.6 107.4

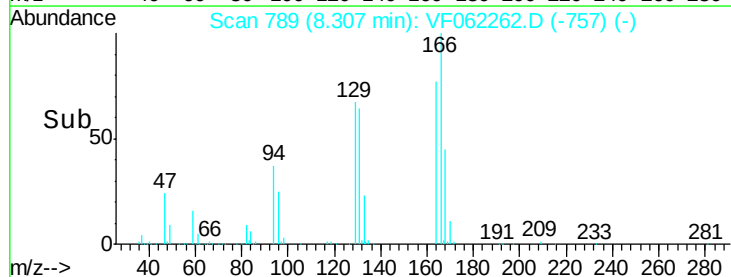
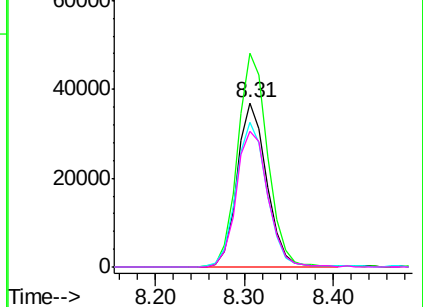


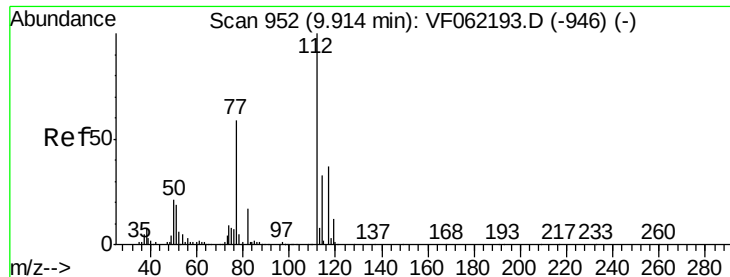
Abundance Ion 163.80 (163.50 to 164.50): V

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 :

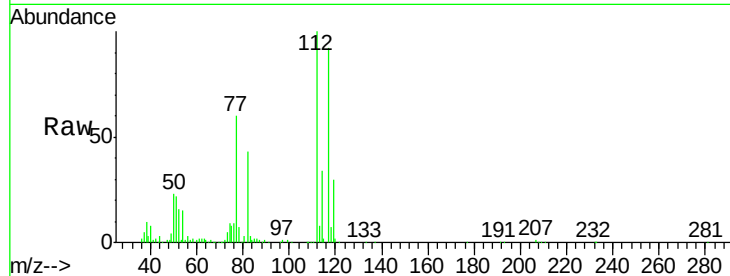
VF0423SBS01

Tot Ion:112 Resp: 195743

Ion Ratio Lower Upper

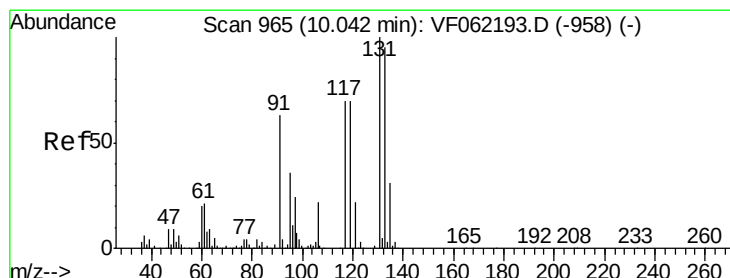
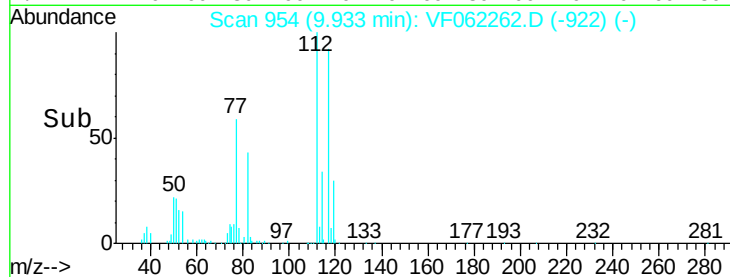
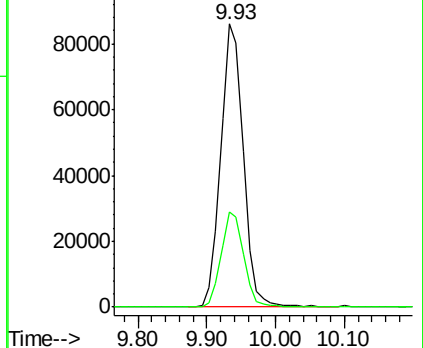
112 100

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

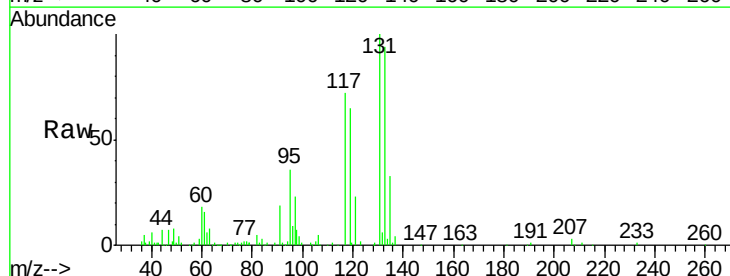
Tgt Ion:131 Resp: 93310

Ion Ratio Lower Upper

131 100

133 97.1 47.7 143.1

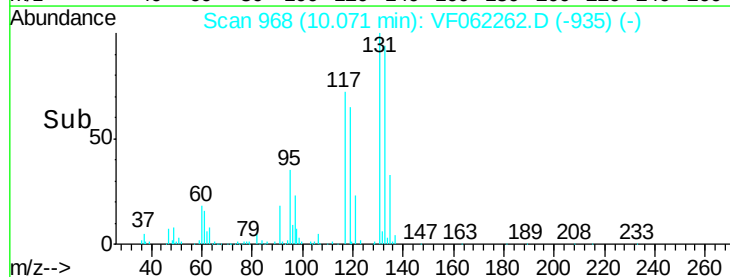
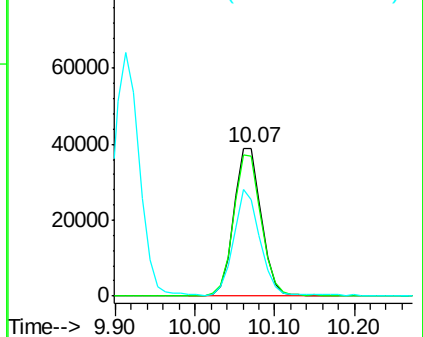
119 67.6 34.6 103.9

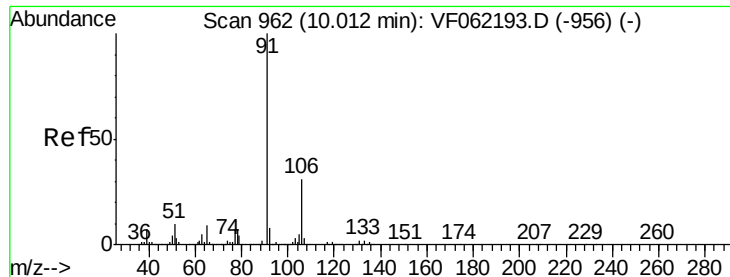


Abundance Ion 130.80 (130.50 to 131.50): V

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 :

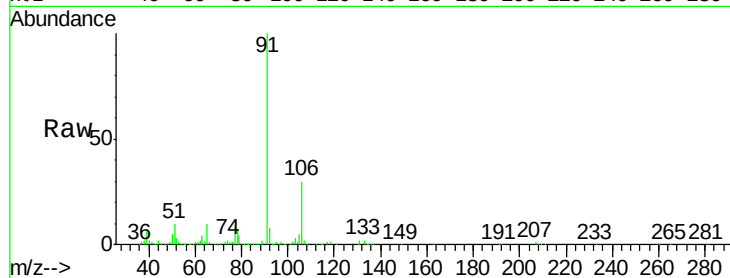
VF0423SBS01

Tot Ion: 91 Resp: 354149

Ion Ratio Lower Upper

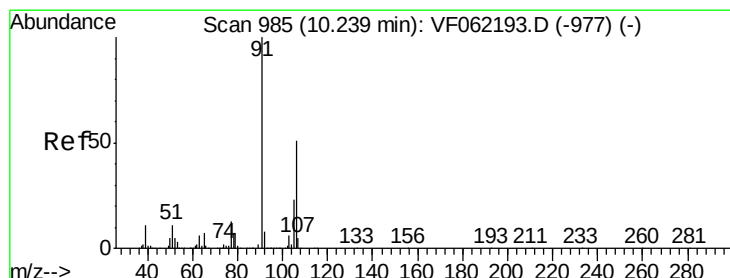
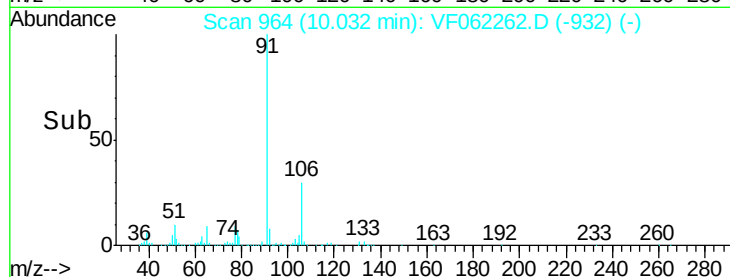
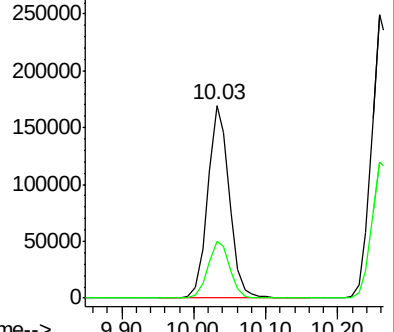
91 100

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

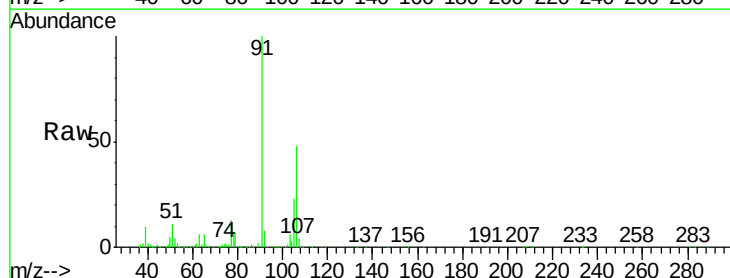
Acq: 23 Apr 2019 14:27

Tgt Ion: 106 Resp: 258981

Ion Ratio Lower Upper

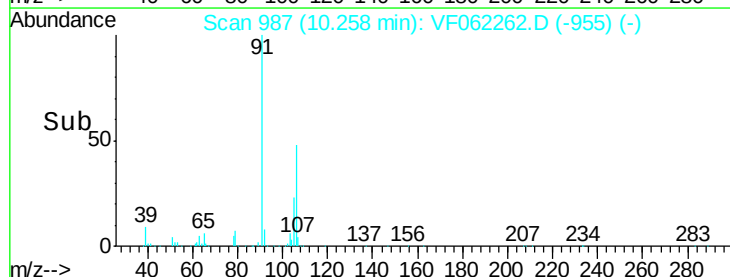
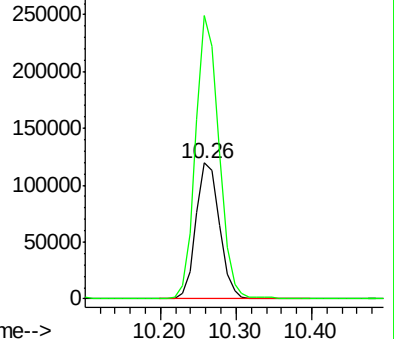
106 100

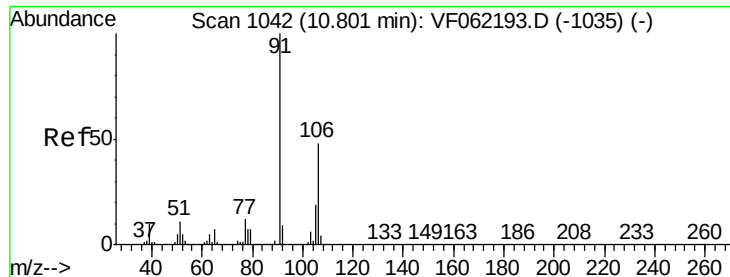
91 204.5 159.1 238.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

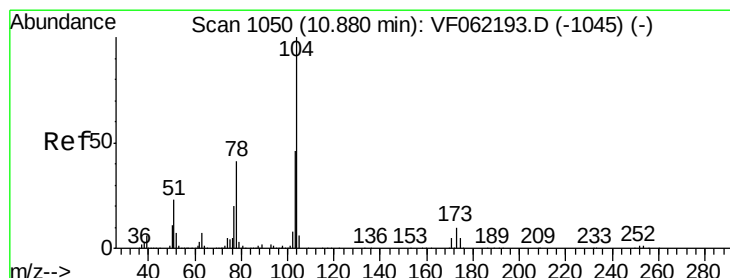
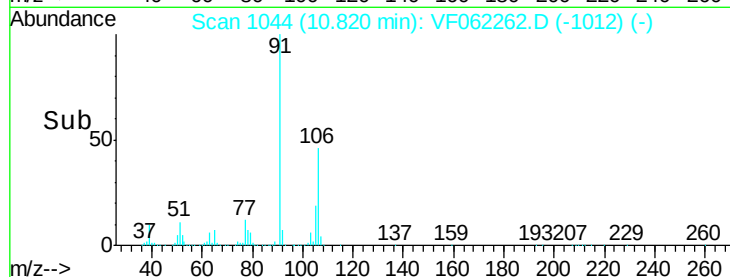
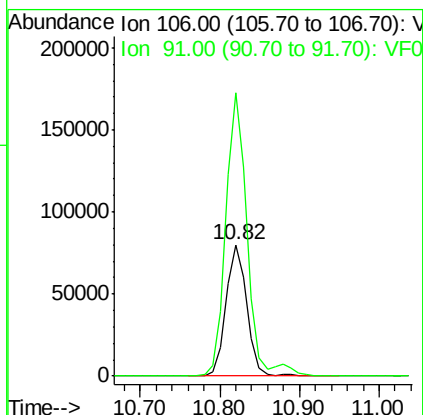
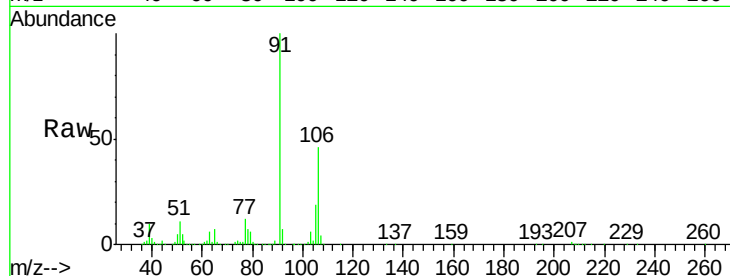




#69
o-Xylene
Concen: 21.671 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.02 min
Lab File: VF062262.D
Acq: 23 Apr 2019 14:27

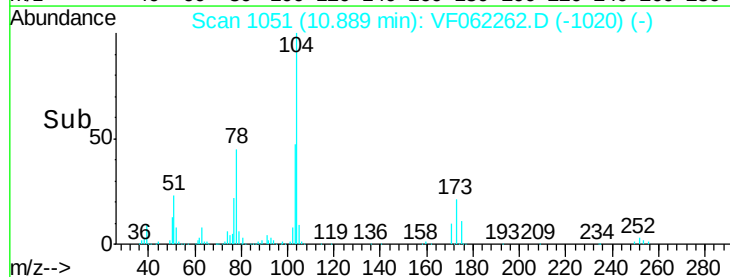
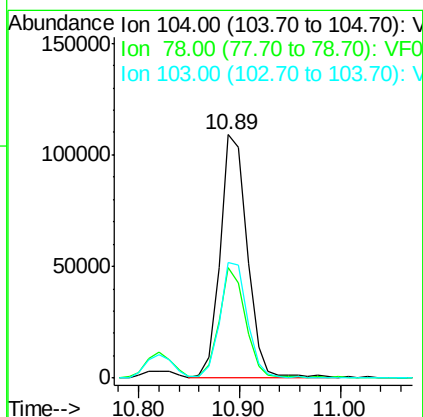
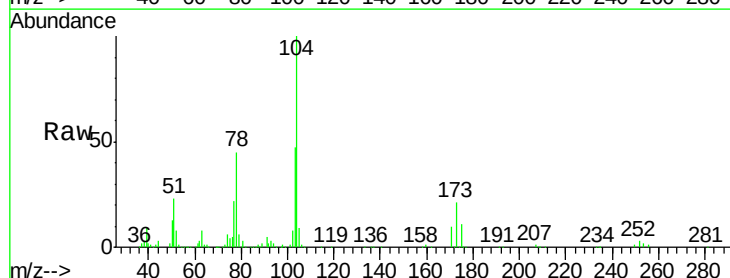
Instrument :
MSVOA_F
ClientSampleId :
VF0423SBS01

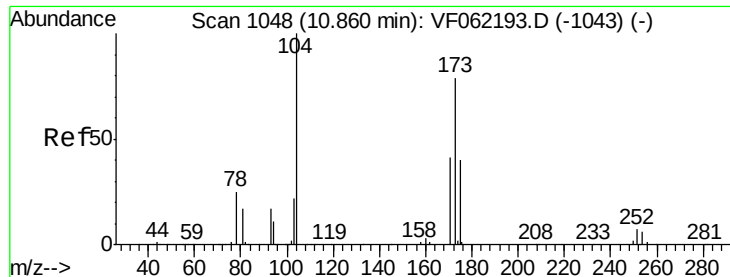
Tot Ion:106 Resp: 146888
Ion Ratio Lower Upper
106 100
91 216.1 107.5 322.4



#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

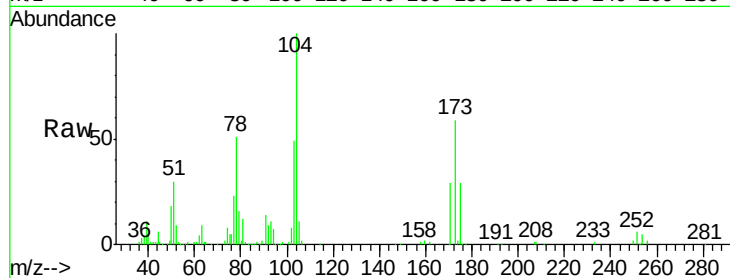
Tot Ion:173 Resp: 53579

Ion Ratio Lower Upper

173 100

175 50.4 24.5 73.5

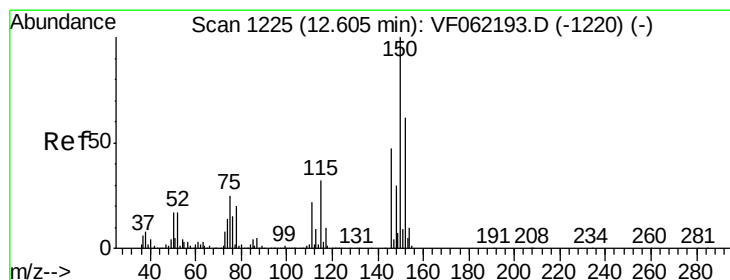
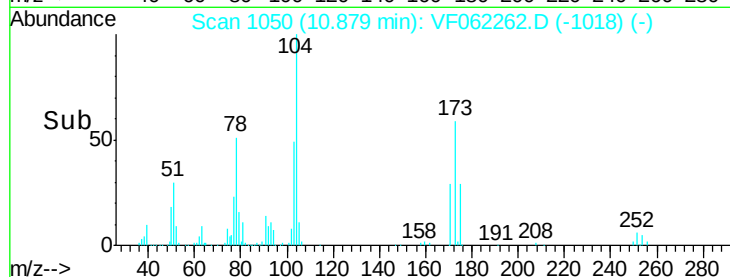
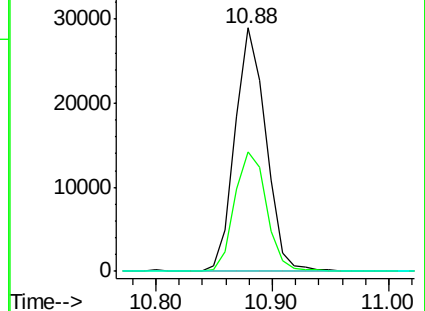
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#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

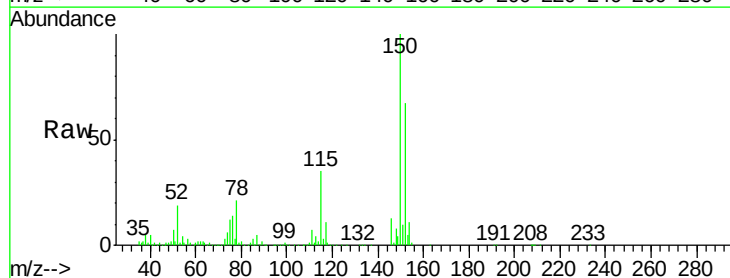
Tgt Ion:152 Resp: 261627

Ion Ratio Lower Upper

152 100

115 52.6 27.8 83.3

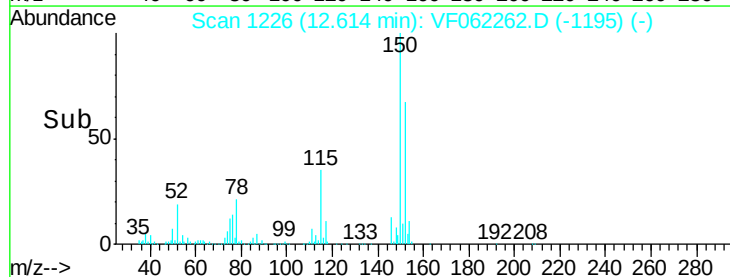
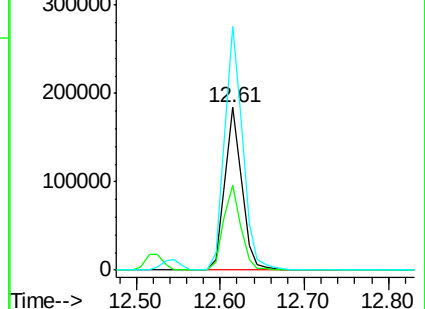
150 157.4 0.0 341.8

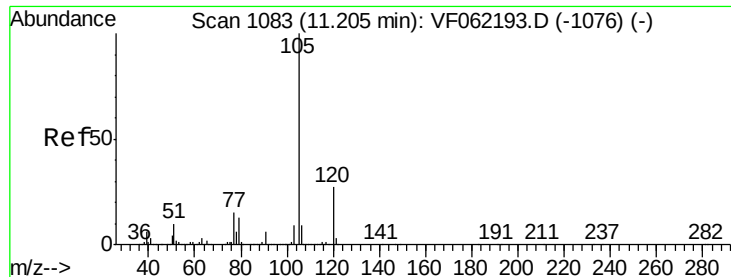


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#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 :

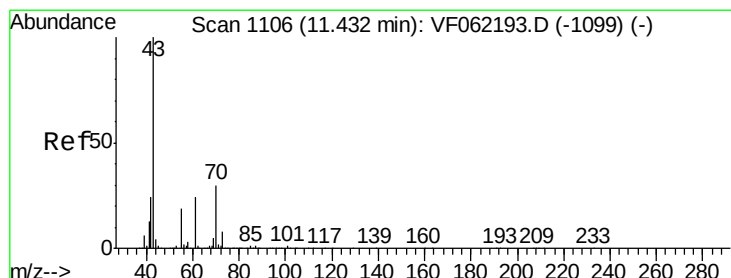
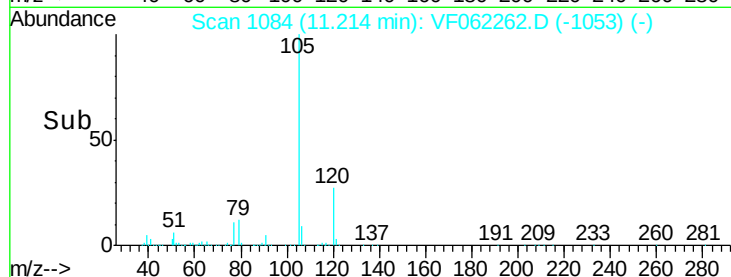
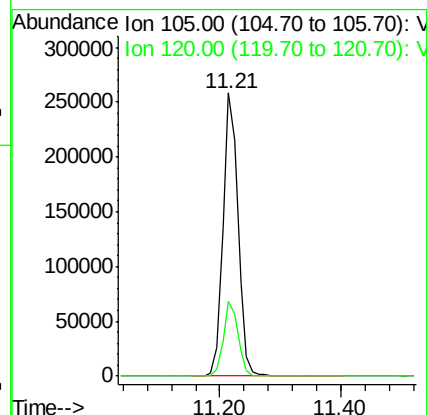
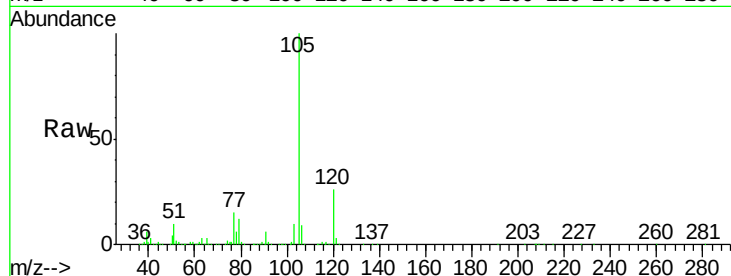
VF0423SBS01

Tot 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

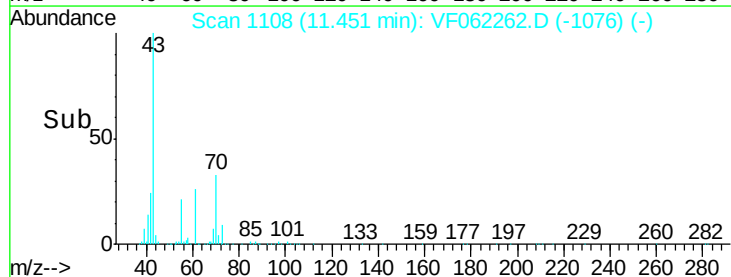
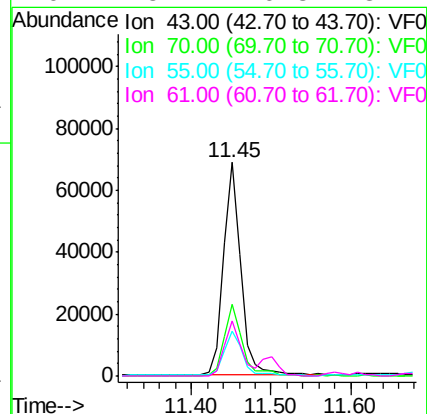
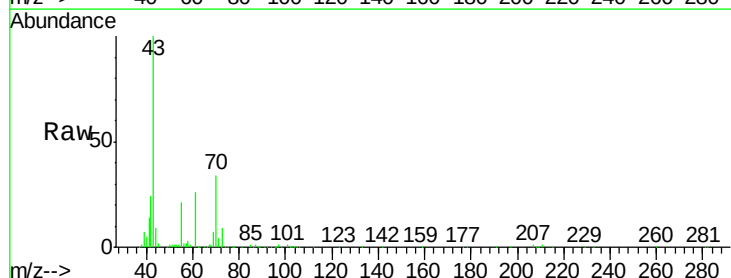
Ion Ratio Lower Upper

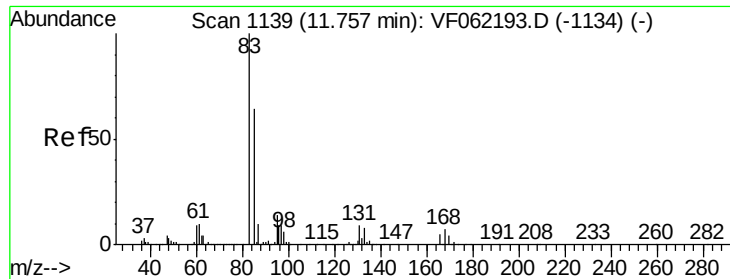
43 100

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

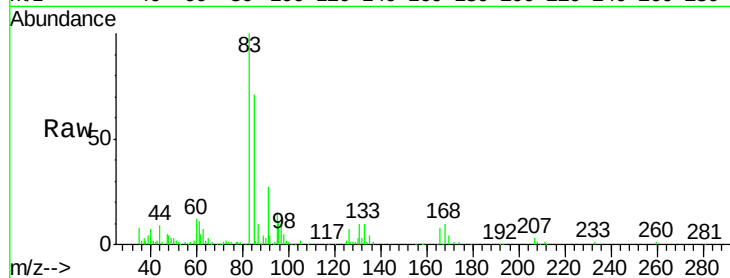
Tot Ion: 83 Resp: 72180

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.5	13.5
85	72.4	34.7	104.1

83 100

131 9.6 4.5 13.5

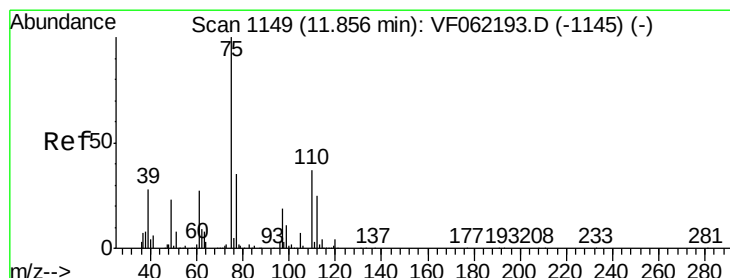
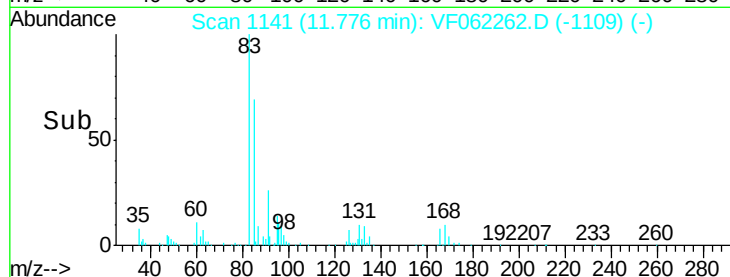
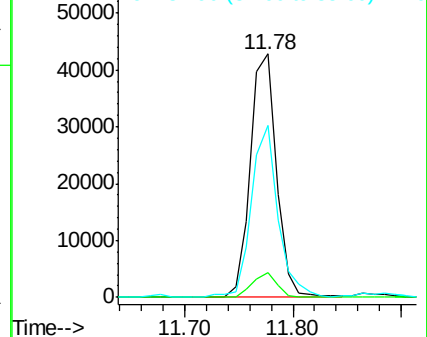
85 72.4 34.7 104.1



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

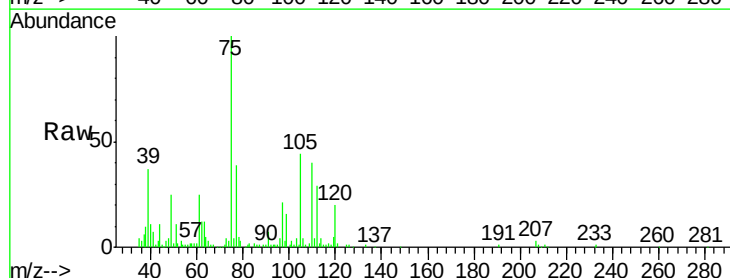
Acq: 23 Apr 2019 14:27

Tgt Ion: 75 Resp: 49594

Ion	Ratio	Lower	Upper
75	100		
77	117.5	7.4	22.2

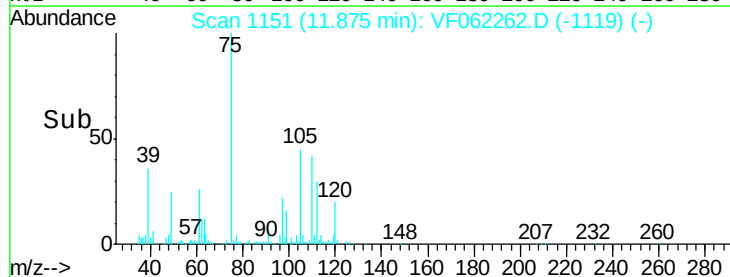
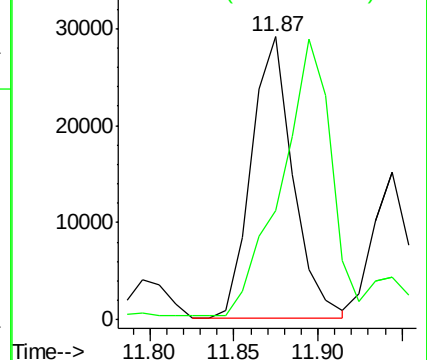
75 100

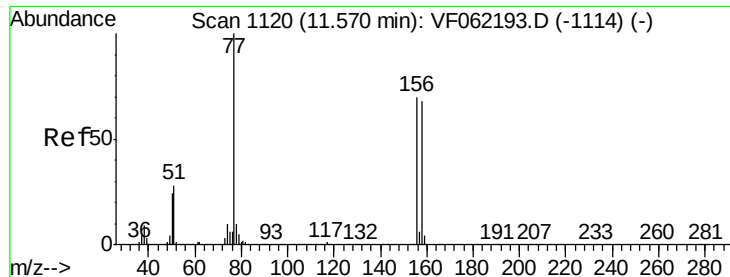
77 117.5 7.4 22.2



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

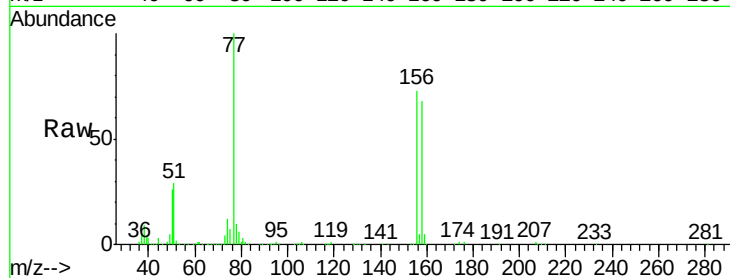
Tot Ion:156 Resp: 107599

Ion Ratio Lower Upper

156 100

77 134.1 80.9 242.7

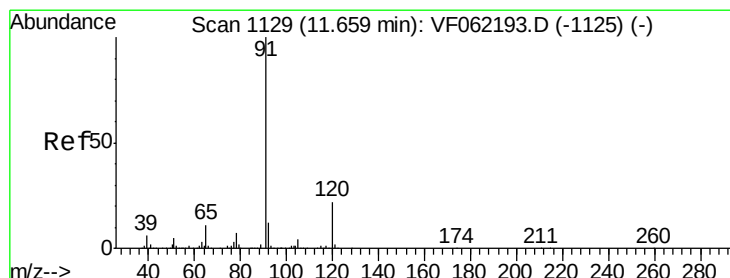
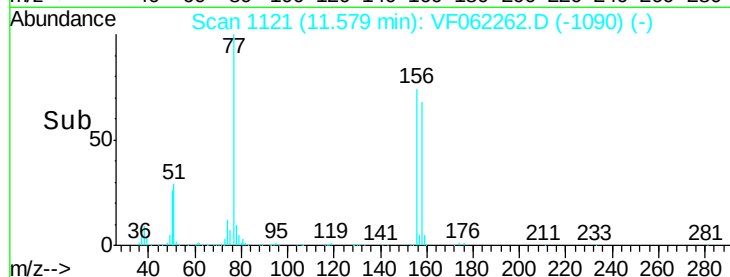
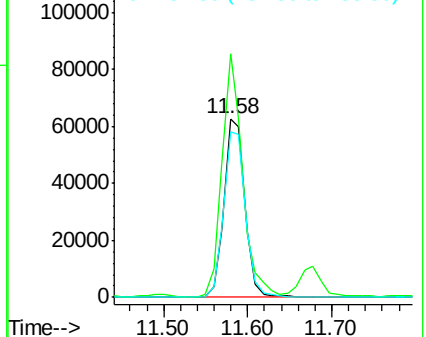
158 96.7 49.8 149.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.218 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. 0.02 min

Lab File: VF062262.D

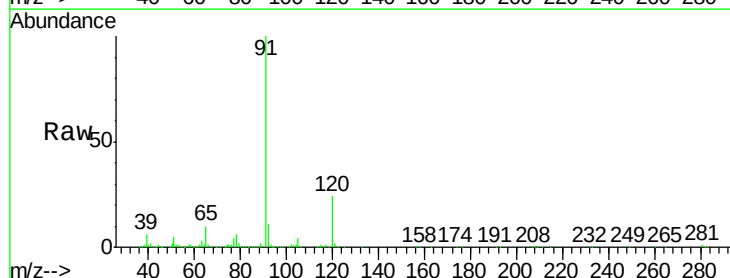
Acq: 23 Apr 2019 14:27

Tgt Ion: 91 Resp: 455620

Ion Ratio Lower Upper

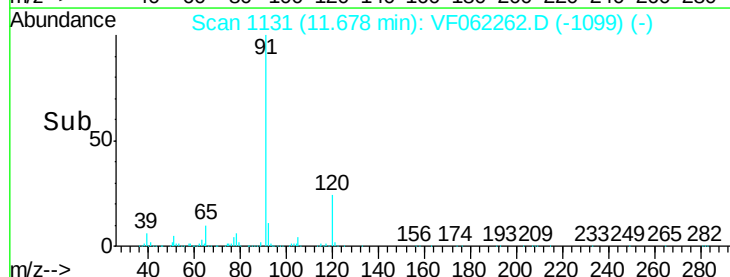
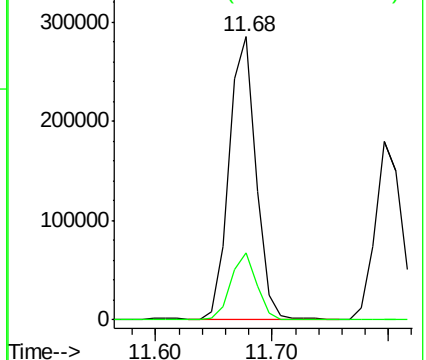
91 100

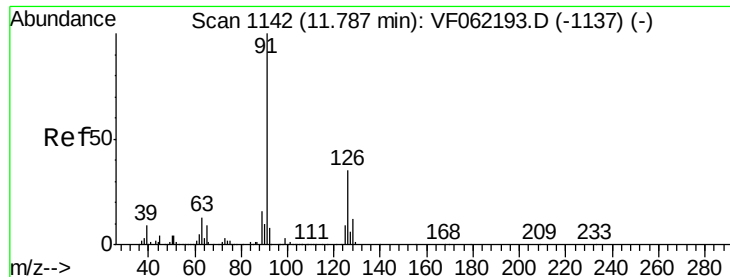
120 22.8 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#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 :

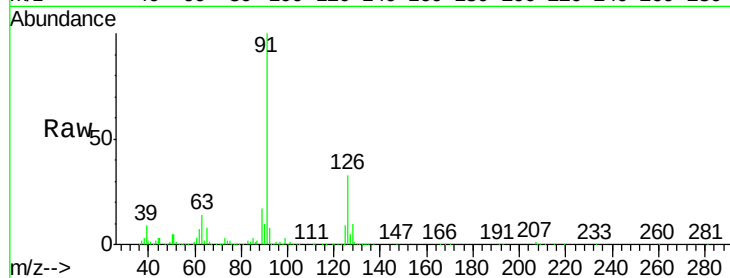
VF0423SBS01

Tot Ion: 91 Resp: 280137

Ion Ratio Lower Upper

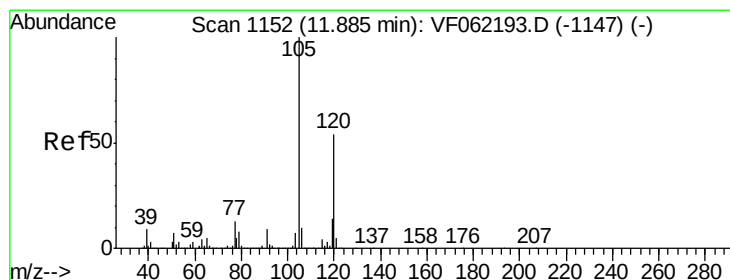
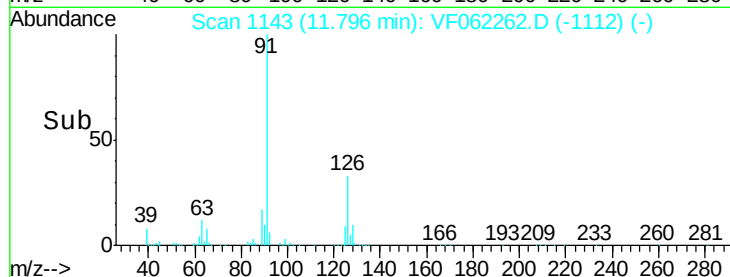
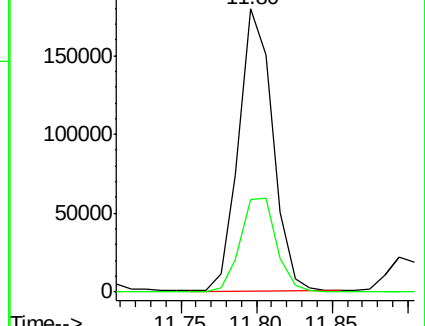
91 100

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

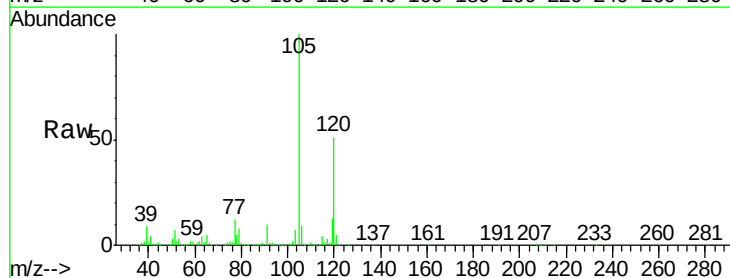
Acq: 23 Apr 2019 14:27

Tgt Ion:105 Resp: 358505

Ion Ratio Lower Upper

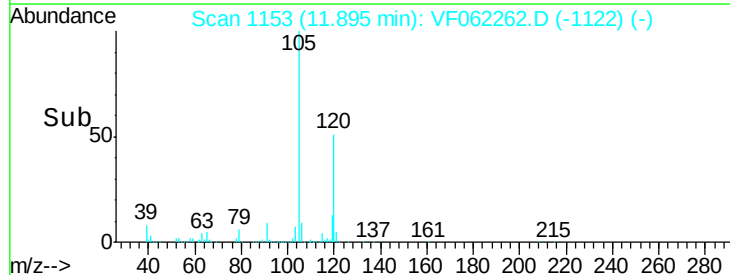
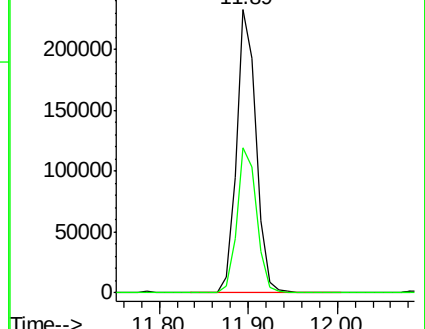
105 100

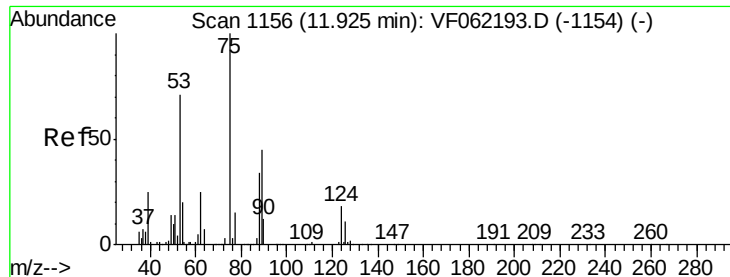
120 52.2 26.2 78.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

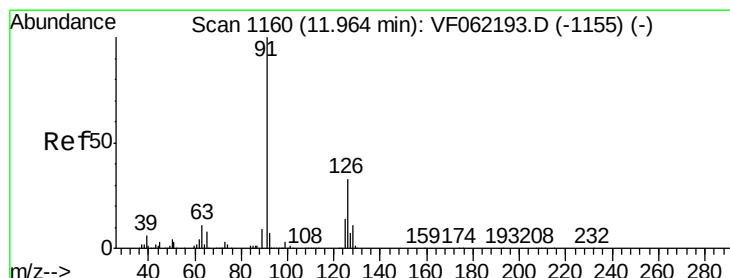
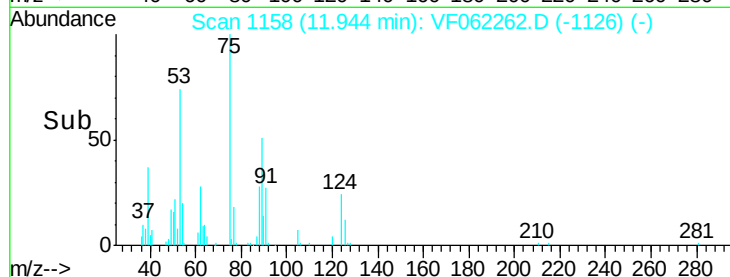
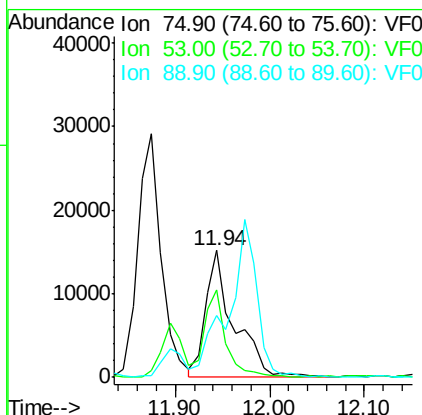
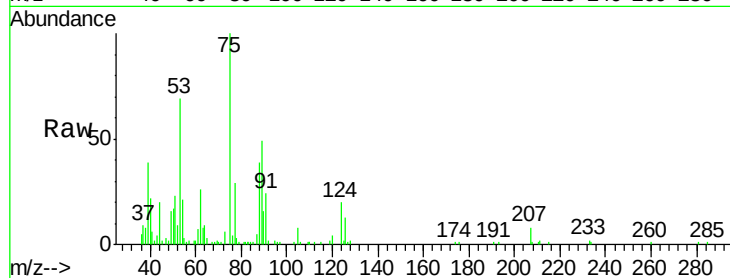




#81
trans-1,4-Dichloro-2-butene
Concen: 23.545 ug/l
RT: 11.94 min Scan# 1158
Delta R.T. 0.02 min
Lab File: VF062262.D
Acq: 23 Apr 2019 14:27

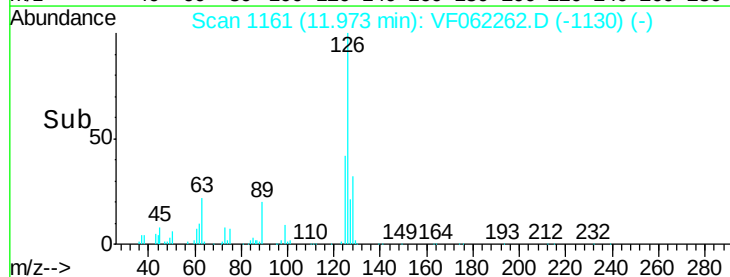
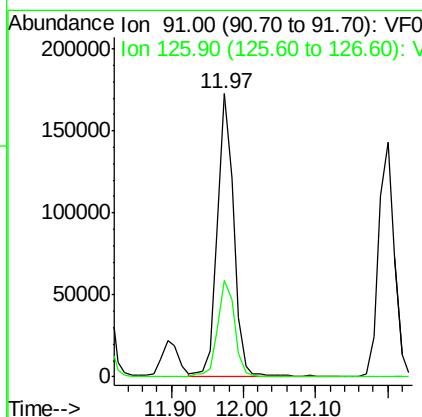
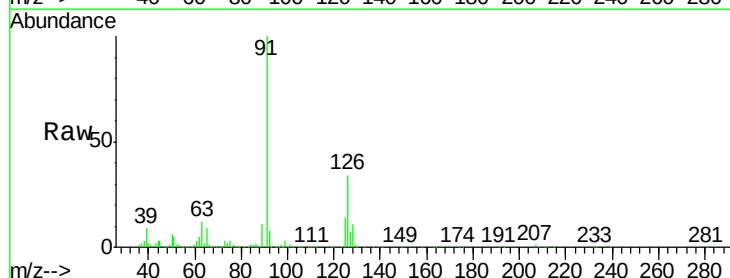
Instrument :
MSVOA_F
ClientSampleId :
VF0423SBS01

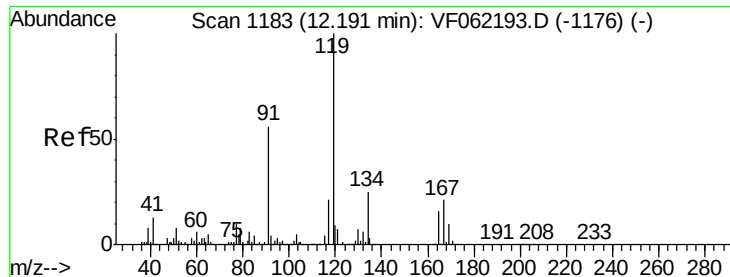
Tot Ion: 75 Resp: 31931
Ion Ratio Lower Upper
75 100
53 52.9 50.2 75.4
89 0.0 0.0 0.0



#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

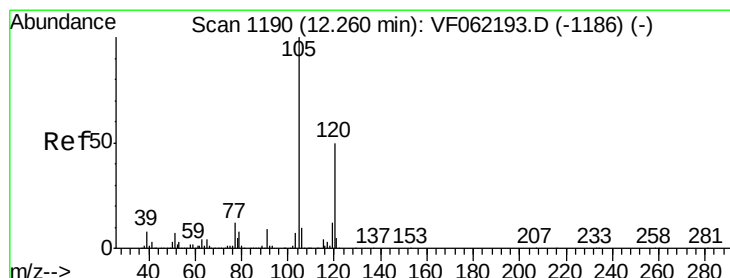
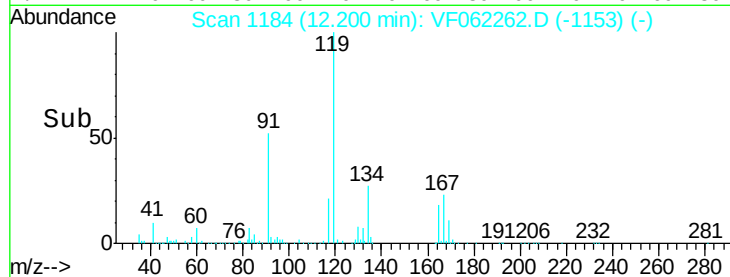
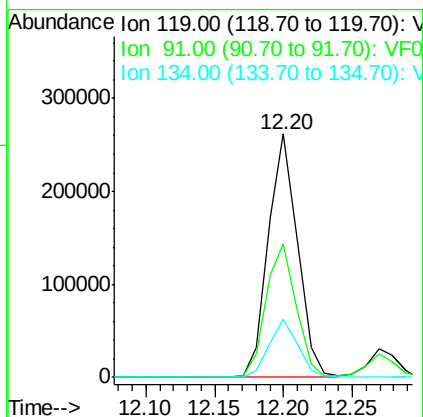
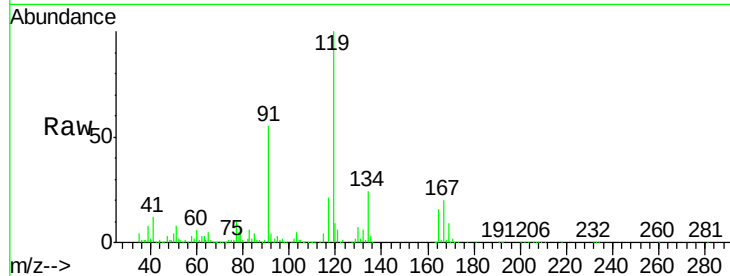




#83
 tert-Butylbenzene
 Concen: 20.054 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. 0.01 min
 Lab File: VF062262.D
 Acq: 23 Apr 2019 14:27

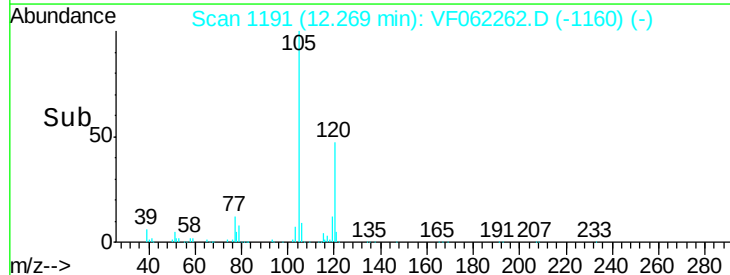
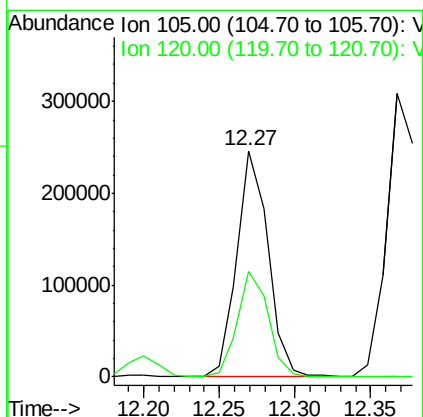
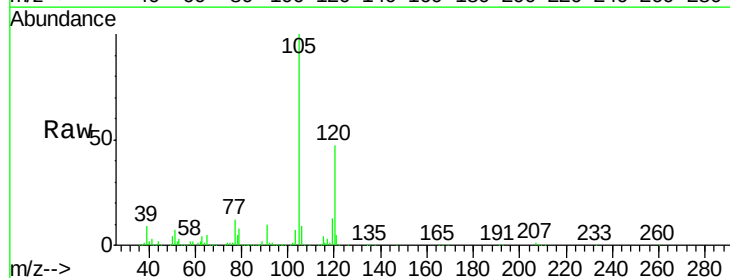
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0423SBS01

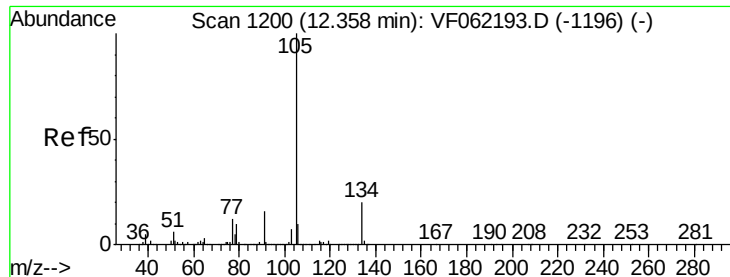
Tot Ion:119 Resp: 388176
 Ion Ratio Lower Upper
 119 100
 91 56.0 29.4 88.2
 134 23.5 11.8 35.3



#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 :

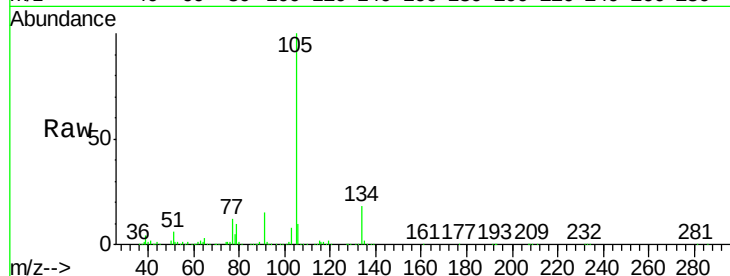
VF0423SBS01

Tot Ion:105 Resp: 463122

Ion Ratio Lower Upper

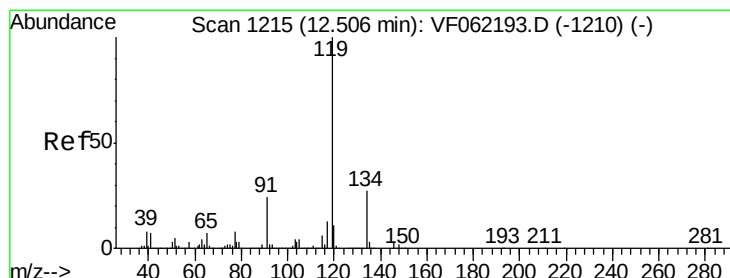
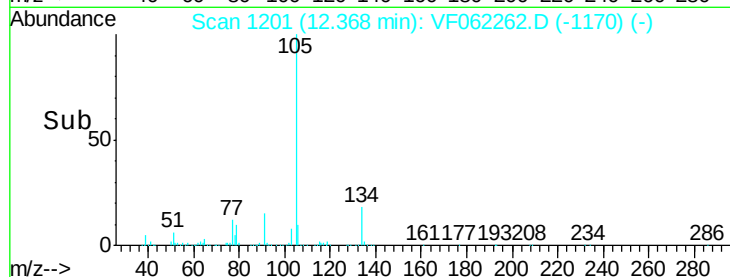
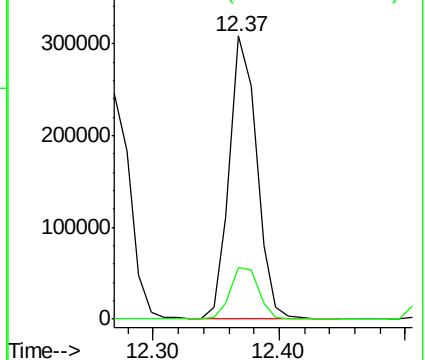
105 100

134 19.4 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#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

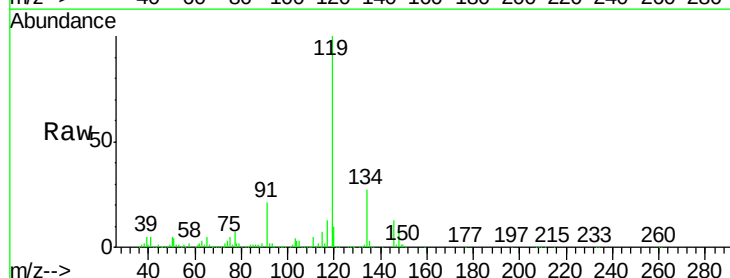
Tgt Ion:119 Resp: 430494

Ion Ratio Lower Upper

119 100

134 25.9 13.2 39.5

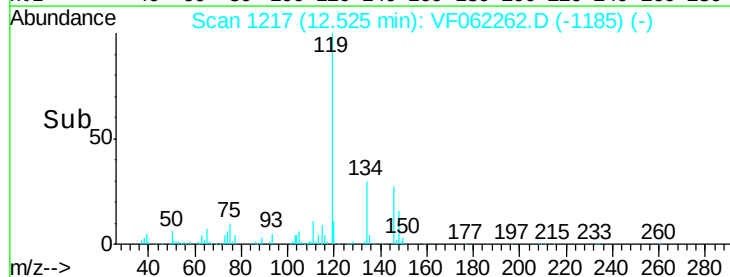
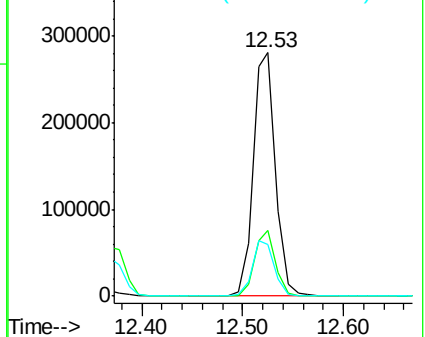
91 22.5 11.7 35.1

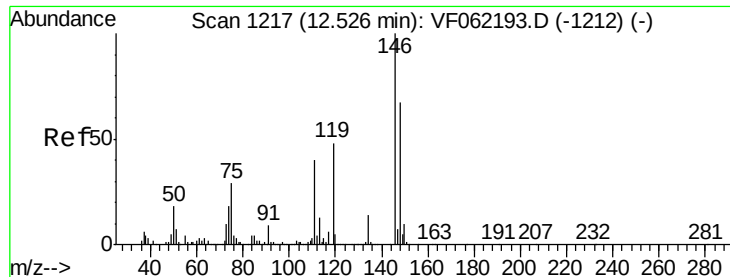


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: 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

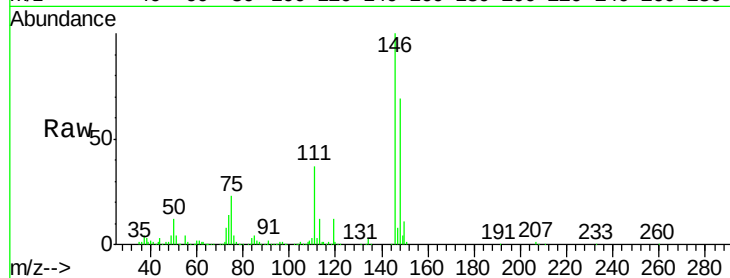
Tot Ion:146 Resp: 187240

Ion Ratio Lower Upper

146 100

111 37.0 19.7 59.0

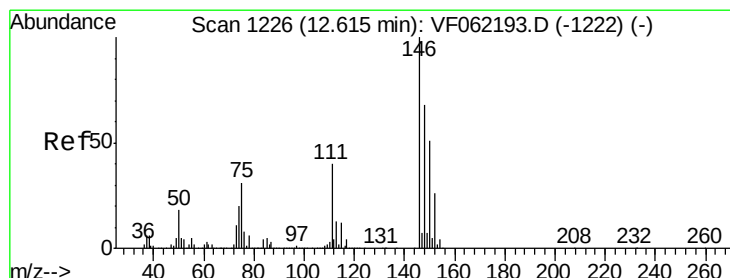
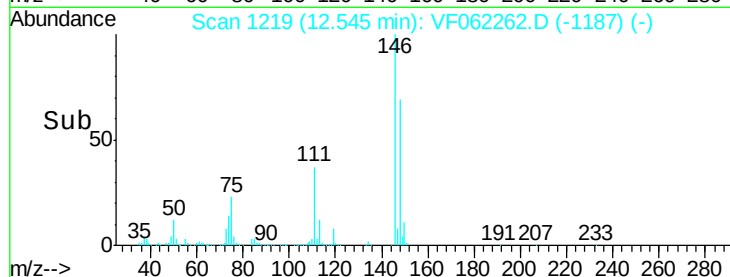
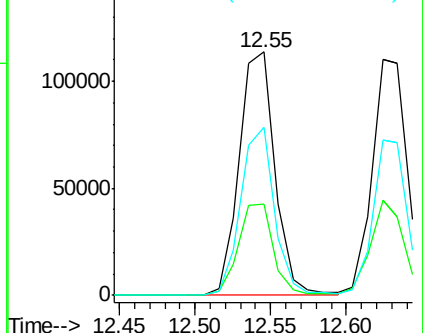
148 65.7 32.9 98.6



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



#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

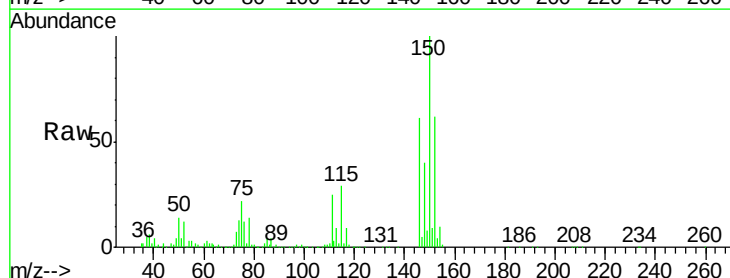
Tgt Ion:146 Resp: 183230

Ion Ratio Lower Upper

146 100

111 38.2 20.0 60.0

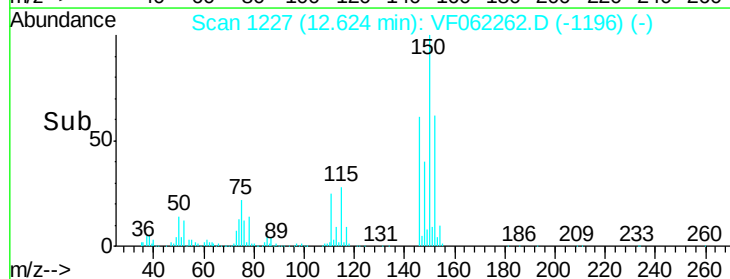
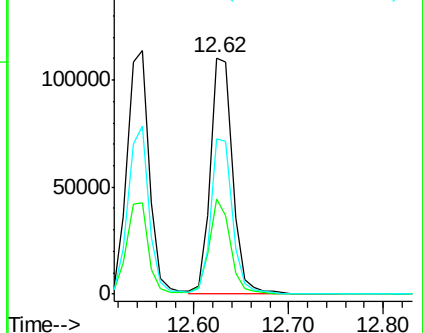
148 63.6 33.6 100.8

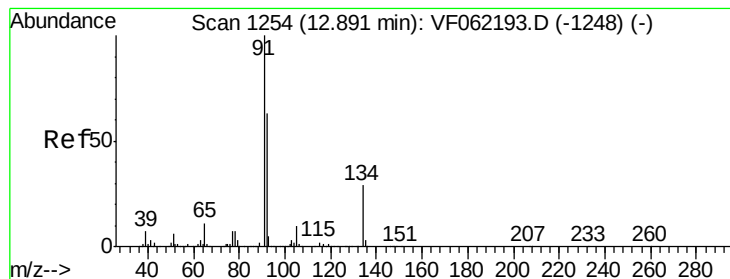


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#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

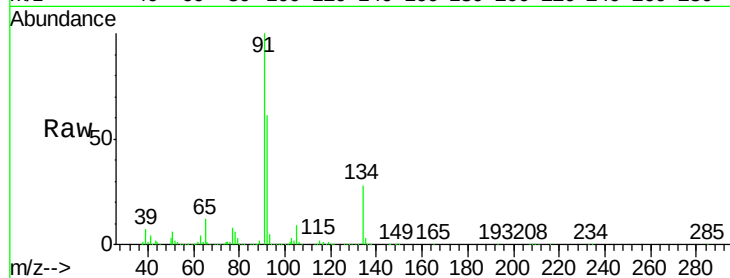
Tot Ion: 91 Resp: 393423

Ion Ratio Lower Upper

91 100

92 60.7 31.2 93.6

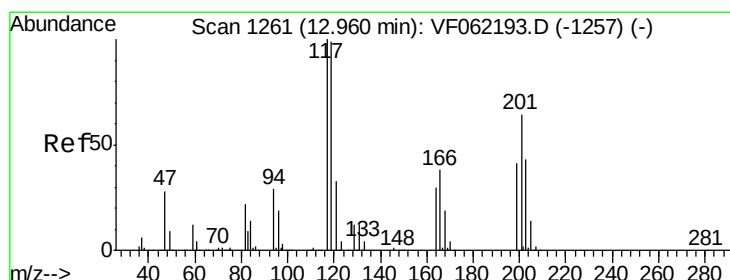
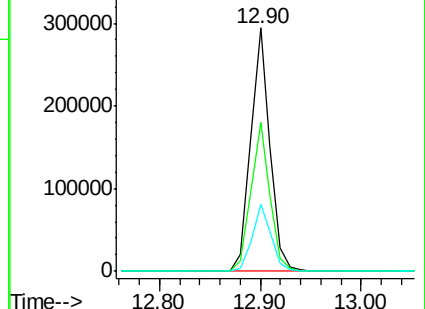
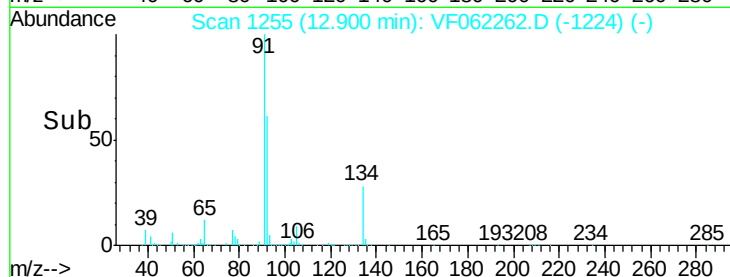
134 27.1 13.1 39.1



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

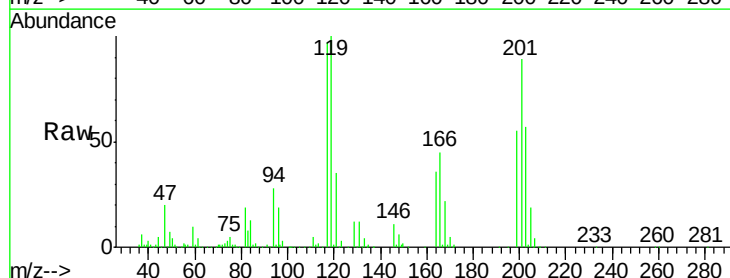
Acq: 23 Apr 2019 14:27

Tgt Ion: 117 Resp: 107113

Ion Ratio Lower Upper

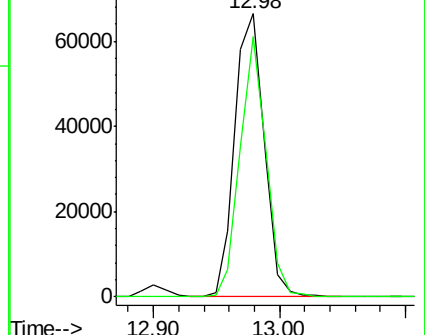
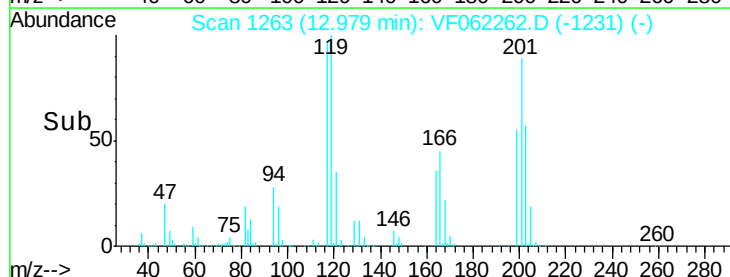
117 100

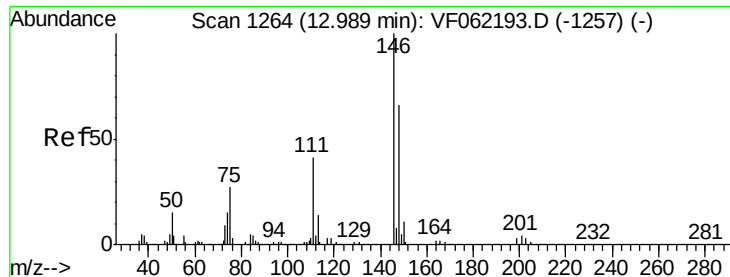
201 81.6 37.7 113.1



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

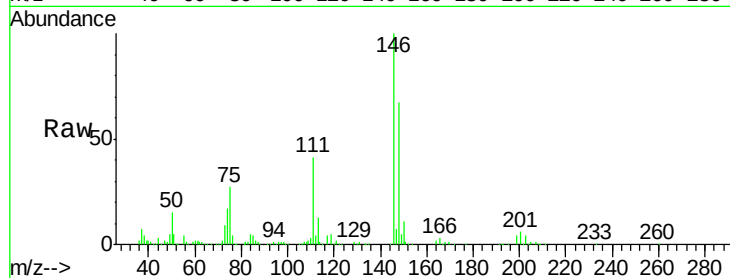
Tot Ion:146 Resp: 180789

Ion Ratio Lower Upper

146 100

111 40.6 20.8 62.5

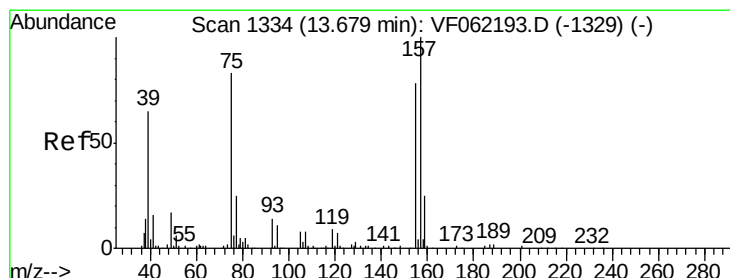
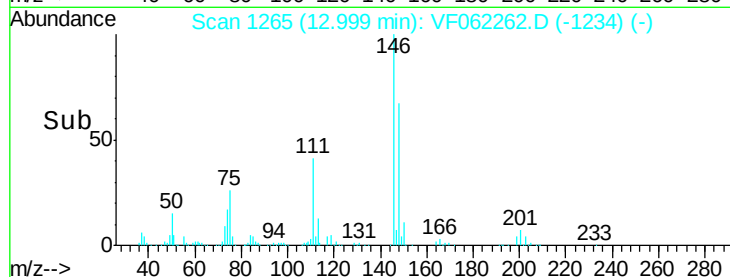
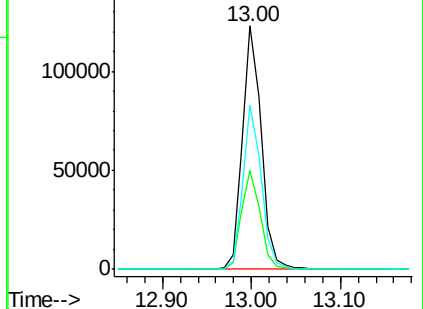
148 66.0 33.0 99.0



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

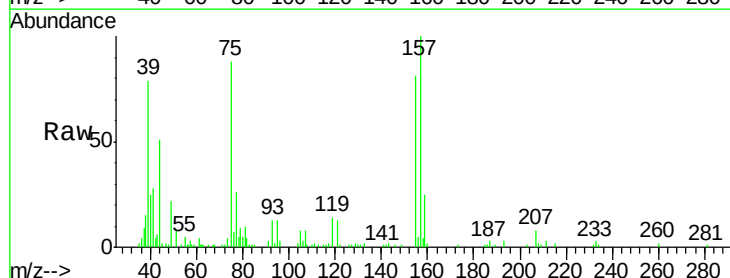
Tgt Ion: 75 Resp: 13310

Ion Ratio Lower Upper

75 100

155 107.9 47.6 142.8

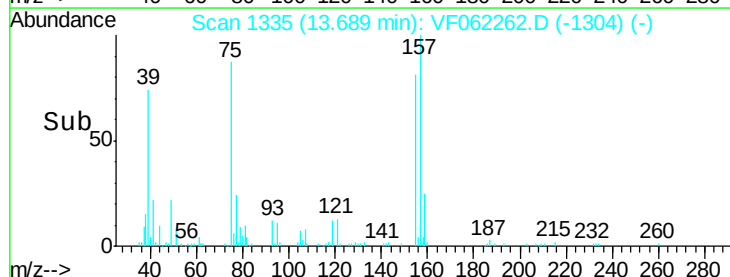
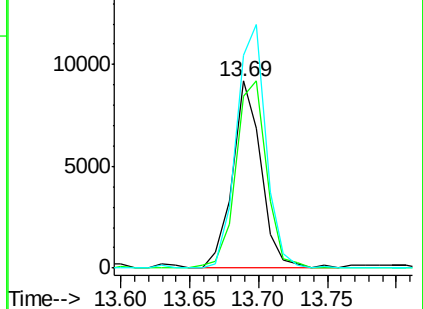
157 134.6 61.3 183.9

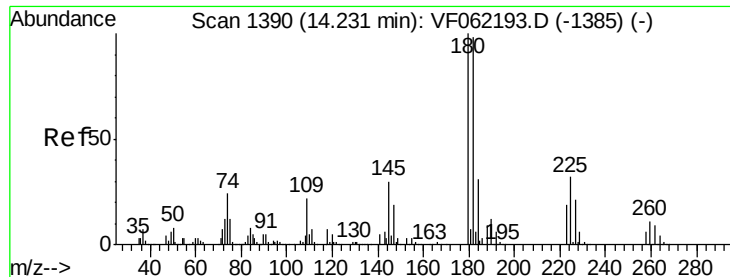


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

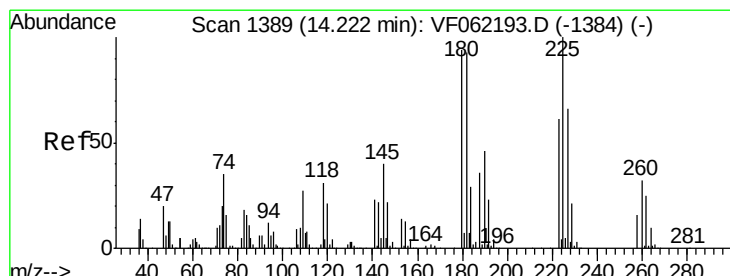
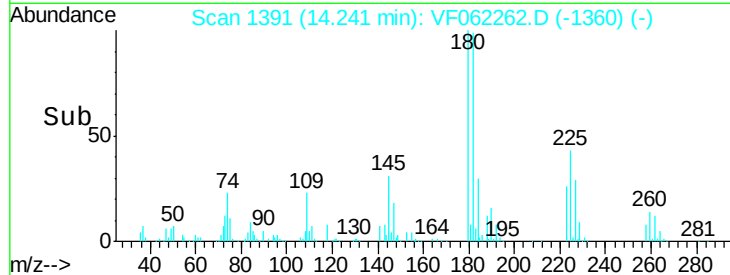
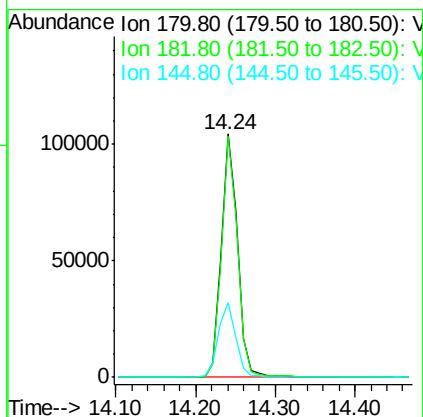
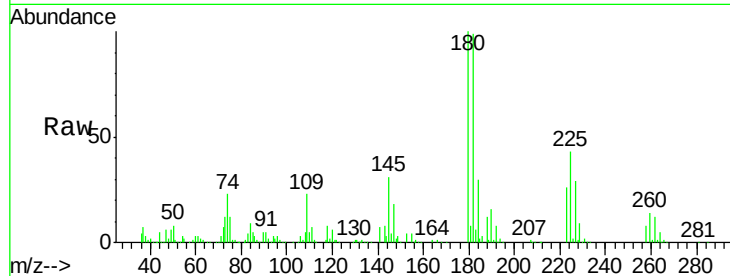




#93
 1,2,4-Trichlorobenzene
 Concen: 21.089 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.01 min
 Lab File: VF062262.D
 Acq: 23 Apr 2019 14:27

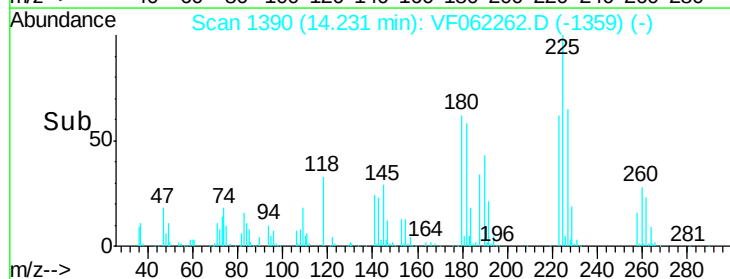
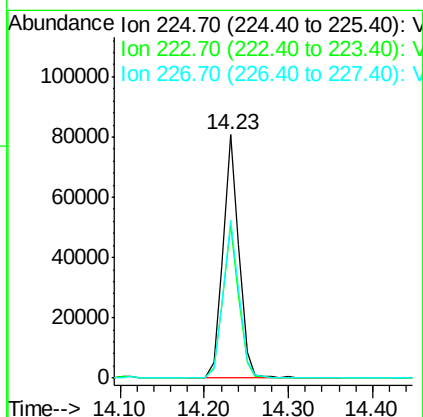
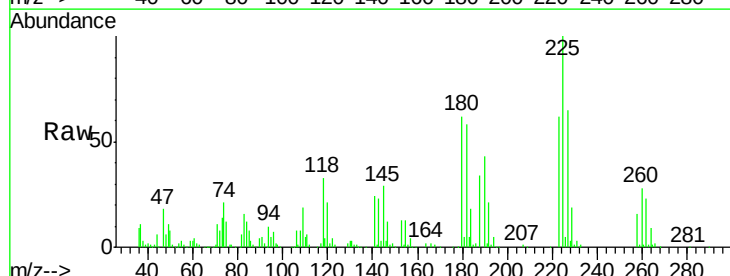
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0423SBS01

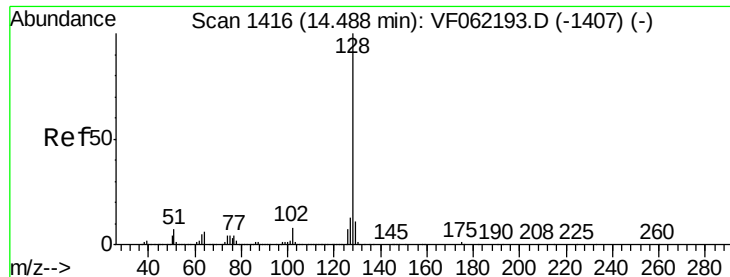
Tot Ion:180 Resp: 152216
 Ion Ratio Lower Upper
 180 100
 182 96.8 49.3 147.9
 145 33.6 18.1 54.4



#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





#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

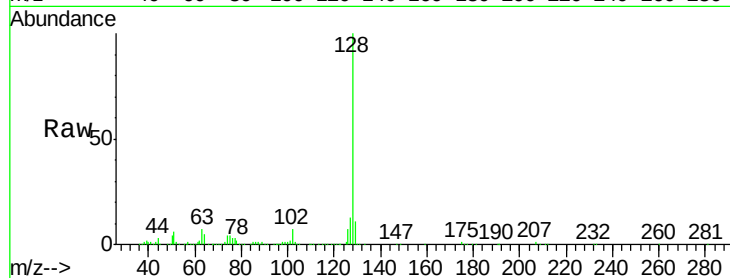
Tot Ion:128 Resp: 247952

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

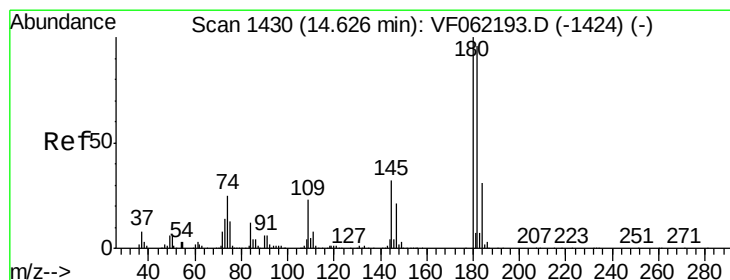
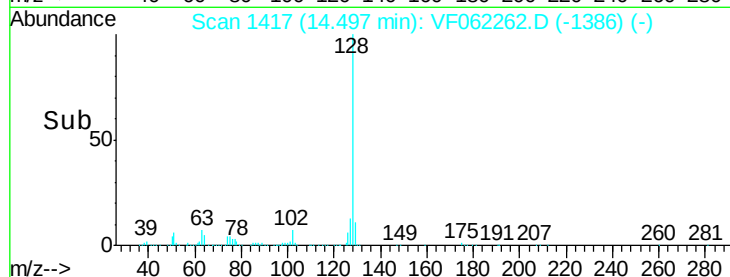
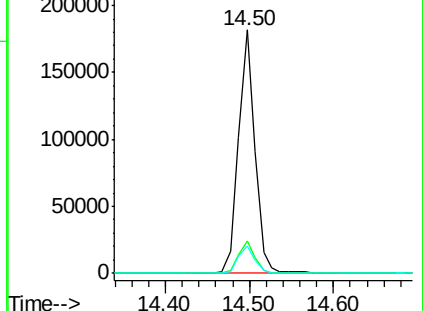
129 11.1 9.2 13.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 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

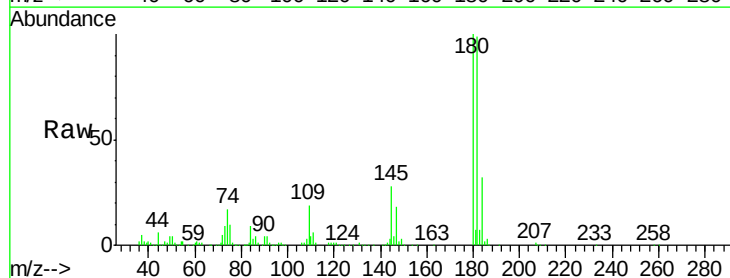
Tgt Ion:180 Resp: 147357

Ion Ratio Lower Upper

180 100

182 98.4 48.4 145.3

145 28.1 15.6 46.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

