

Data File : VF062075.D
Acq On : 22 Mar 2019 10:35
Operator : VA/AP
Sample : VSTDIC005
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
BFB

Quant Time: Mar 23 00:44:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 23 00:41:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.91	168	306733	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.63	114	460643	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.81	117	385983	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	206052	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.88	65	10331	4.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.06%	
35) Dibromofluoromethane	4.15	113	13868	4.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.90%	
50) Toluene-d8	7.58	98	40258	4.33	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	8.66%	
62) 4-Bromofluorobenzene	11.44	95	16275	4.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.06%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.97	85	18084	4.602	ug/l 88
3) Chloromethane	1.11	50	20535	4.994	ug/l 99
4) Vinyl Chloride	1.14	62	18258	4.801	ug/l 91
5) Bromomethane	1.34	94	14701	5.377	ug/l # 80
6) Chloroethane	1.41	64	10003	5.225	ug/l 100
7) Trichlorofluoromethane	1.50	101	16670	3.779	ug/l 95
8) Diethyl Ether	1.64	74	5352	5.101	ug/l 90
9) 1,1,2-Trichlorotrifluoroet	1.86	101	15724	5.018	ug/l # 85
10) Methyl Iodide	1.92	142	24515	4.196	ug/l 89
11) Tert butyl alcohol	2.59	59	3312	26.384	ug/l # 47
12) 1,1-Dichloroethene	1.81	96	14922	5.047	ug/l 93
13) Acrolein	2.02	56	3227	21.329	ug/l 92
14) Allyl chloride	2.12	41	15403	4.879	ug/l 93
15) Acrylonitrile	2.96	53	10576	23.958	ug/l 88
16) Acetone	2.25	43	11104	23.125	ug/l 91
18) Methyl Acetate	2.36	43	7474	6.571	ug/l 99
19) Methyl tert-butyl Ether	2.45	73	21899	4.686	ug/l # 86
20) Methylene Chloride	2.21	84	6768	2.110	ug/l 88
21) trans-1,2-Dichloroethene	2.33	96	14501	5.277	ug/l 90
22) Diisopropyl ether	2.84	45	37802	4.567	ug/l 94
23) Vinyl Acetate	3.22	43	76901	22.694	ug/l 98
24) 1,1-Dichloroethane	2.90	63	25216	5.081	ug/l 99
25) 2-Butanone	4.38	43	25147	25.086	ug/l # 80
26) 2,2-Dichloropropane	3.63	77	9735	4.838	ug/l 88
27) cis-1,2-Dichloroethene	3.51	96	17443	4.627	ug/l 93
28) Bromochloromethane	3.75	49	9323	4.598	ug/l 96
29) Tetrahydrofuran	4.11	42	11206	25.711	ug/l 93
30) Chloroform	3.90	83	25546	4.870	ug/l 96
31) Cyclohexane	3.72	56	16369	3.361	ug/l 88
32) 1,1,1-Trichloroethane	4.14	97	17636	5.527	ug/l # 83
36) 1,1-Dichloropropene	4.31	75	21353	4.867	ug/l # 93
37) Ethyl Acetate	4.15	43	11633	6.067	ug/l 93
38) Carbon Tetrachloride	4.03	117	13978	4.674	ug/l 95
39) Methylcyclohexane	5.49	83	25525	5.012	ug/l 92

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MSVOA_F
ClientSampleId :
BFB

Quant Time: Mar 23 00:44:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 23 00:41:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	4.67	78	57744	4.909	ug/l	98
41) Methacrylonitrile	4.78	41	4886	4.816	ug/l #	83
42) 1,2-Dichloroethane	4.98	62	13349	4.799	ug/l	93
43) Isopropyl Acetate	6.99	43	12004	5.169	ug/l #	91
44) Trichloroethene	5.54	130	18454	5.132	ug/l	87
45) 1,2-Dichloropropane	6.27	63	13588	4.843	ug/l	97
46) Dibromomethane	6.12	93	8837	5.152	ug/l	86
47) Bromodichloromethane	6.42	83	17958	4.726	ug/l	94
48) Methyl methacrylate	6.75	41	6447	4.876	ug/l #	70
49) 1,4-Dioxane	6.74	88	1135	97.829	ug/l #	82
51) 4-Methyl-2-Pentanone	8.29	43	40329	25.947	ug/l	93
52) Toluene	7.65	92	33371	4.898	ug/l	97
53) t-1,3-Dichloropropene	8.31	75	14578	4.888	ug/l	99
54) cis-1,3-Dichloropropene	7.33	75	19603	4.593	ug/l	98
55) 1,1,2-Trichloroethane	8.53	97	9263	4.787	ug/l #	89
56) Ethyl methacrylate	8.65	69	11452	4.962	ug/l	94
57) 1,3-Dichloropropane	8.88	76	14679	4.570	ug/l #	87
58) 2-Chloroethyl Vinyl ether	7.33	63	8110	23.158	ug/l	92
59) 2-Hexanone	9.52	43	27714	24.329	ug/l	99
60) Dibromochloromethane	8.74	129	12561	4.669	ug/l	92
61) 1,2-Dibromoethane	9.02	107	9214	4.463	ug/l	83
64) Tetrachloroethene	8.19	164	15214	5.102	ug/l	91
65) Chlorobenzene	9.83	112	36844	5.102	ug/l	94
66) 1,1,1,2-Tetrachloroethane	9.96	131	14402	4.965	ug/l	91
67) Ethyl Benzene	9.93	91	64294	5.119	ug/l	100
68) m/p-Xylenes	10.16	106	47306	10.077	ug/l	96
69) o-Xylene	10.73	106	23363	4.752	ug/l	85
70) Styrene	10.81	104	38414	5.157	ug/l	99
71) Bromoform	10.79	173	7429	5.007	ug/l #	95
73) Isopropylbenzene	11.15	105	72637	5.010	ug/l	100
74) N-amyl acetate	11.40	43	15913	4.606	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.71	83	12966	5.208	ug/l	96
76) 1,2,3-Trichloropropane	11.81	75	9313	5.316	ug/l	79
77) Bromobenzene	11.51	156	17980	5.076	ug/l	87
78) n-propylbenzene	11.61	91	86556	5.141	ug/l	96
79) 2-Chlorotoluene	11.74	91	48766	5.211	ug/l	98
80) 1,3,5-Trimethylbenzene	11.85	105	60177	5.046	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.89	75	4299	4.550	ug/l	92
82) 4-Chlorotoluene	11.92	91	49653	5.175	ug/l	95
83) tert-Butylbenzene	12.15	119	64356	5.155	ug/l	97
84) 1,2,4-Trimethylbenzene	12.22	105	60037	5.135	ug/l	98
85) sec-Butylbenzene	12.32	105	82317	5.097	ug/l	95
86) p-Isopropyltoluene	12.48	119	76662	5.479	ug/l	95
87) 1,3-Dichlorobenzene	12.49	146	35762	5.434	ug/l	96
88) 1,4-Dichlorobenzene	12.59	146	32772	5.103	ug/l	97
89) n-Butylbenzene	12.86	91	65694	4.921	ug/l	97
90) Hexachloroethane	12.93	117	15982	4.797	ug/l	96
91) 1,2-Dichlorobenzene	12.96	146	30860	4.994	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.66	75	1684	4.464	ug/l	79
93) 1,2,4-Trichlorobenzene	14.22	180	22673	5.264	ug/l	85

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF032219\
Quantitation Report (Not Reviewed)

Data File : VF062075.D
Acq On : 22 Mar 2019 10:35
Operator : VA/AP
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
BFB

Quant Time: Mar 23 00:44:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 23 00:41:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.21	225	14854	5.187	ug/l	96
95) Naphthalene	14.47	128	33359	4.420	ug/l	98
96) 1,2,3-Trichlorobenzene	14.62	180	19553	4.850	ug/l	92

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

Data File : VF062075.D

Acq On : 22 Mar 2019 10:35

Operator : VA/AP

Sample : VSTDICC005

Misc : 5.00g/5mL/MSV0A-F/SOIL

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ALS Vial      : 3      Sample Multiplier: 1
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Instrument :
MSVOA_F
ClientSampleId :
BFB

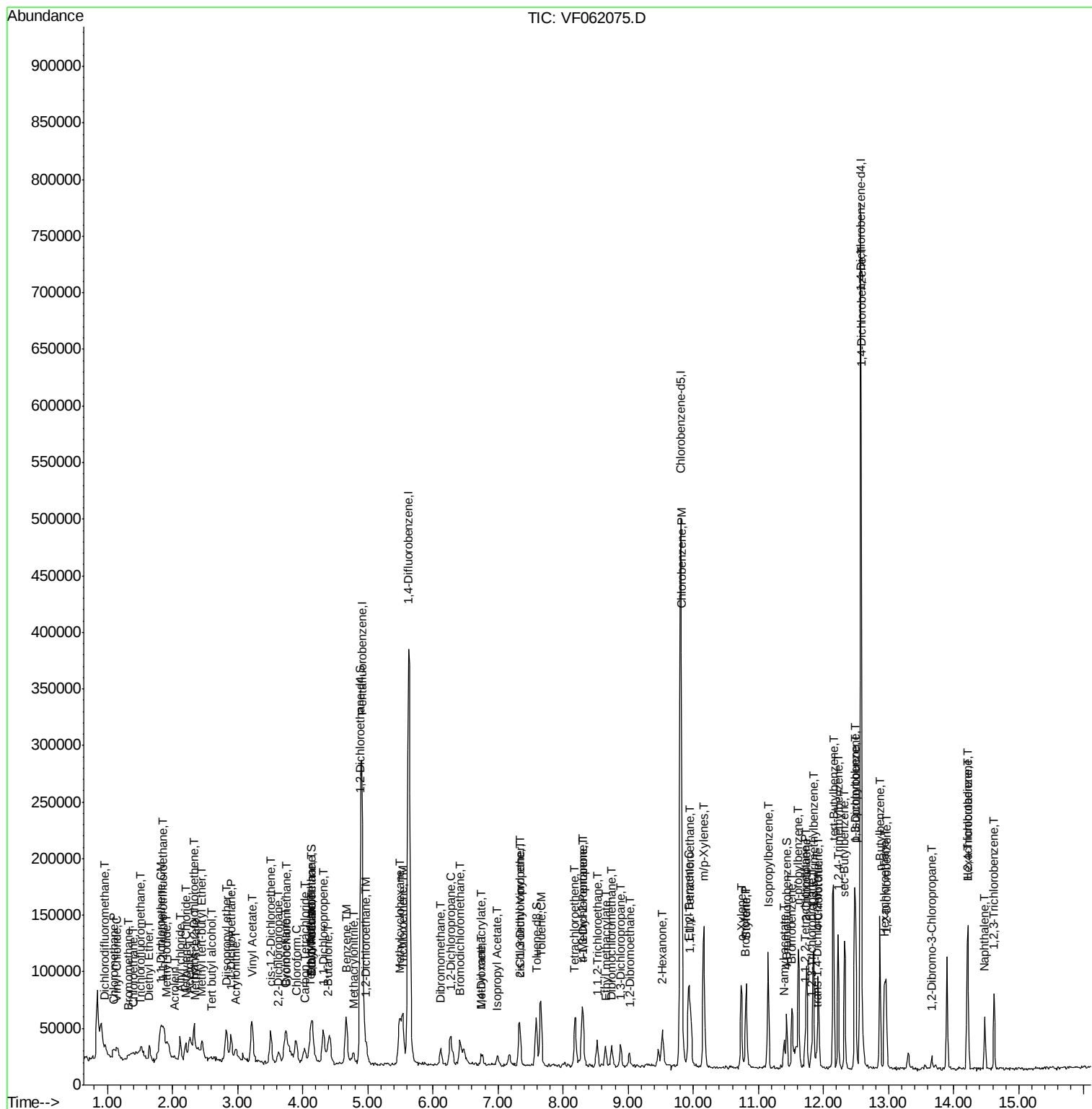
Quant Time: Mar 23 00:44:30 2019

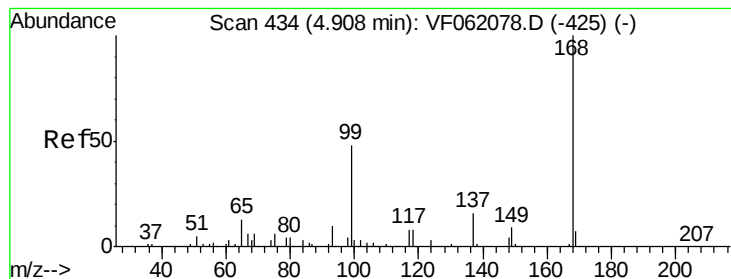
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_F\METHODS\82F032219S.M

Quant Title : SW846 8260

QLast Update : Sat Mar 23 00:41:59 2019

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.91 min Scan# 434

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Instrument :

MSVOA_F

ClientSampleId :

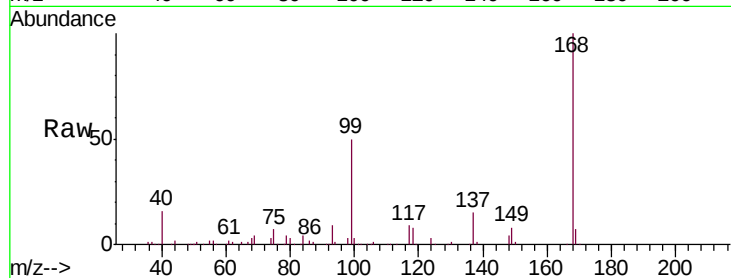
BFB

Tgt Ion:168 Resp: 306733

Ion Ratio Lower Upper

168 100

99 50.3 38.2 57.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.91

100000

80000

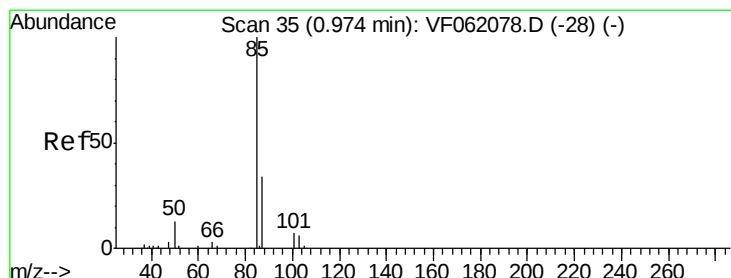
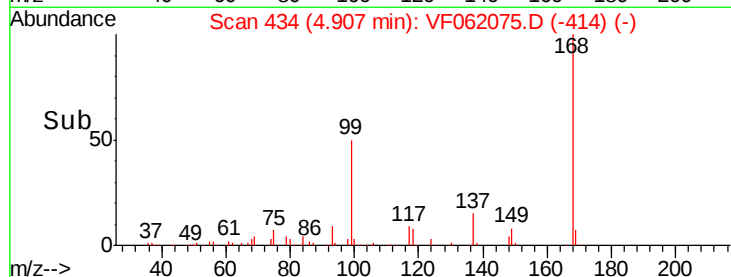
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 4.602 ug/l

RT: 0.97 min Scan# 35

Delta R.T. -0.00 min

Lab File: VF062075.D

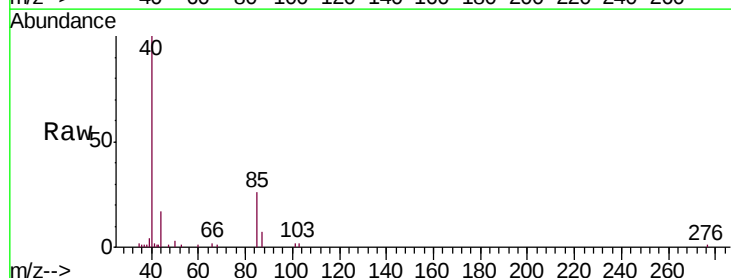
Acq: 22 Mar 2019 10:35

Tgt Ion: 85 Resp: 18084

Ion Ratio Lower Upper

85 100

87 27.0 17.0 51.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

5000

4000

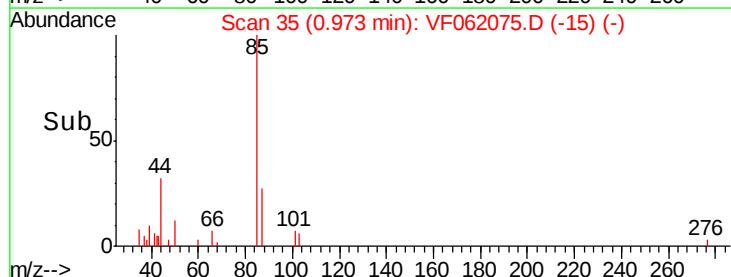
3000

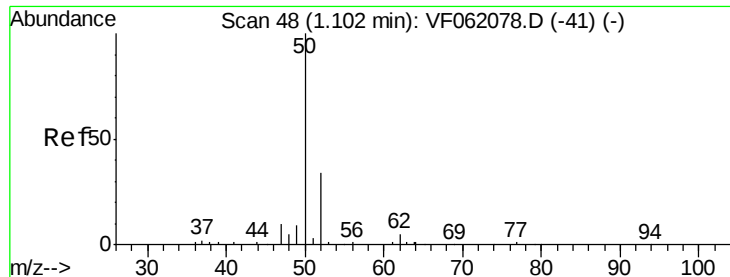
2000

1000

0

Time--> 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 4.994 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

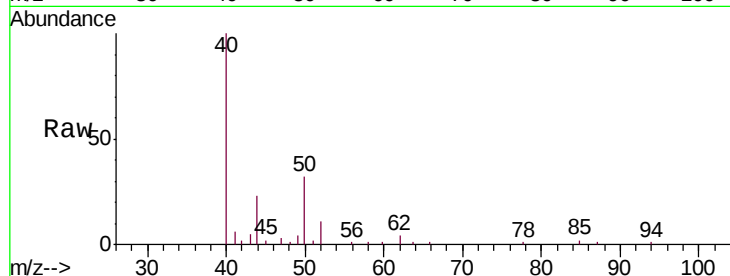
Instrument :
MSVOA_F
ClientSampled :
BFB

Tgt Ion: 50 Resp: 20535

Ion Ratio Lower Upper

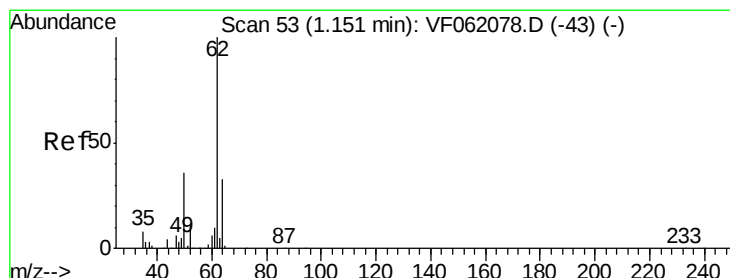
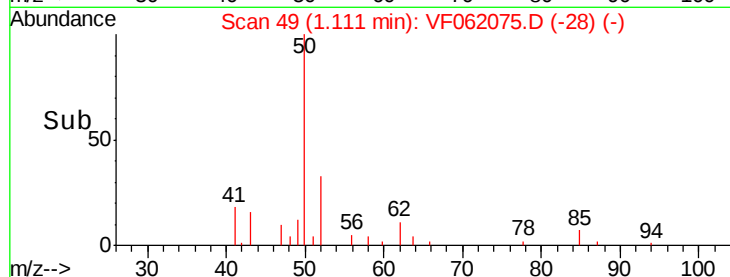
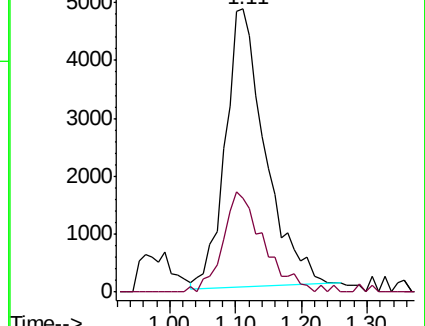
50 100

52 33.4 26.1 39.1



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 4.801 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF062075.D

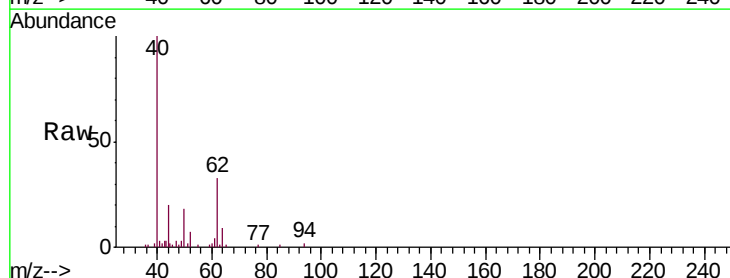
Acq: 22 Mar 2019 10:35

Tgt Ion: 62 Resp: 18258

Ion Ratio Lower Upper

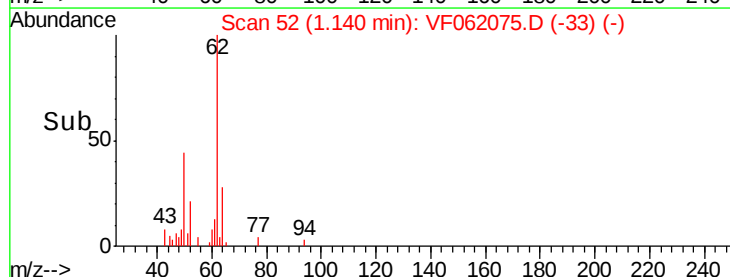
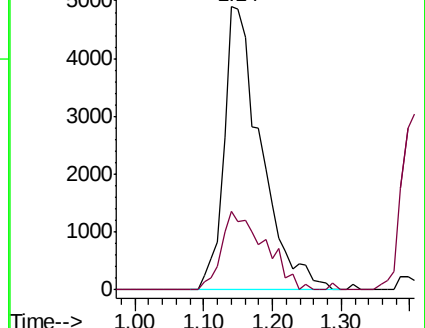
62 100

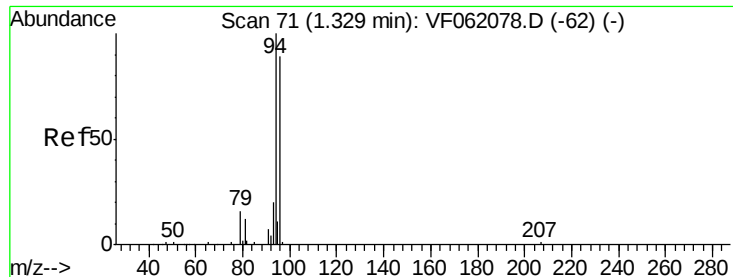
64 27.8 26.2 39.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 5.377 ug/l

RT: 1.34 min Scan# 72

Delta R.T. 0.01 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Instrument :

MSVOA_F

ClientSampleId :

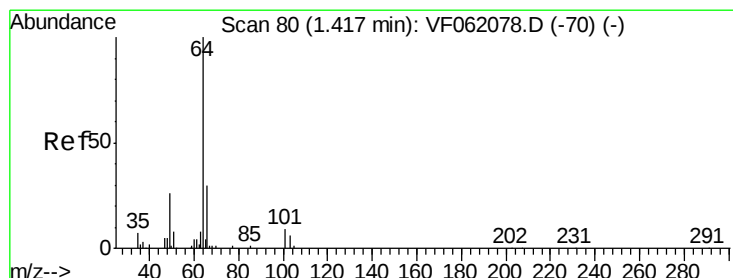
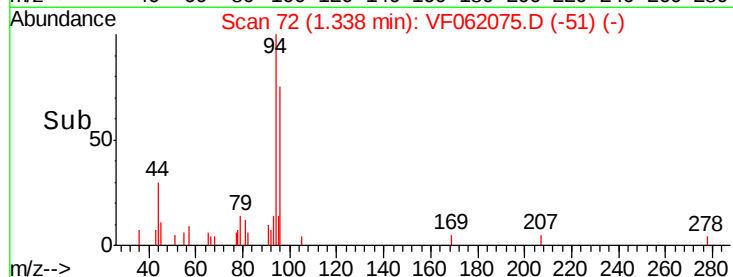
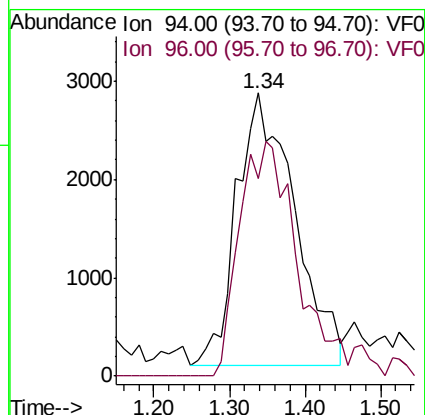
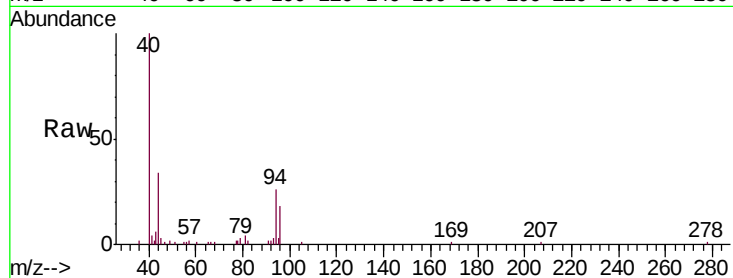
BFB

Tgt Ion: 94 Resp: 14701

Ion Ratio Lower Upper

94 100

96 70.0 70.9 106.3#



#6

Chloroethane

Concen: 5.225 ug/l

RT: 1.41 min Scan# 79

Delta R.T. -0.01 min

Lab File: VF062075.D

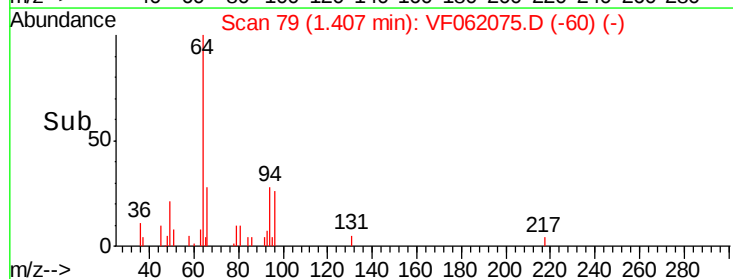
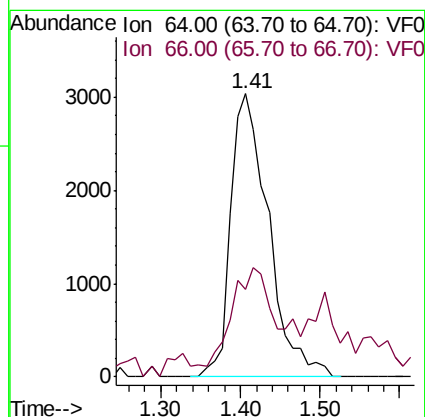
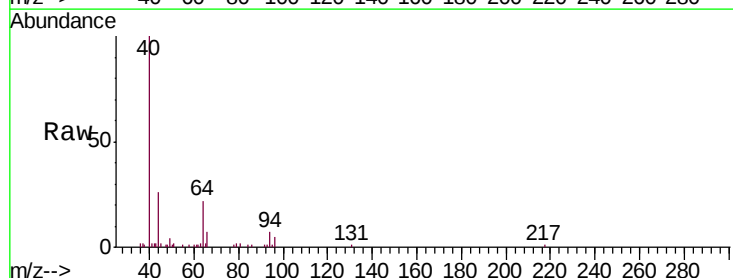
Acq: 22 Mar 2019 10:35

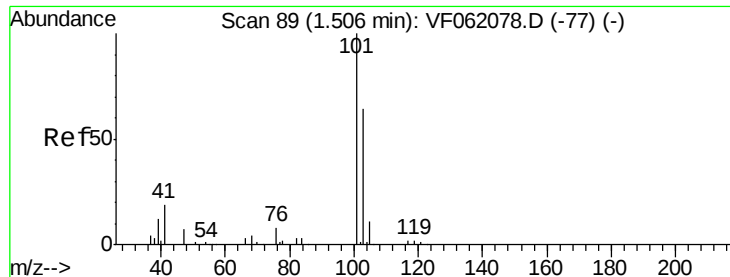
Tgt Ion: 64 Resp: 10003

Ion Ratio Lower Upper

64 100

66 30.8 24.5 36.7





#7

Trichlorofluoromethane

Concen: 3.779 ug/l

RT: 1.50 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Instrument :

MSVOA_F

ClientSampleId :

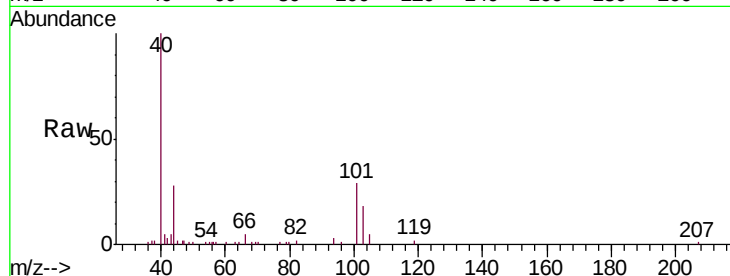
BFB

Tgt Ion:101 Resp: 16670

Ion Ratio Lower Upper

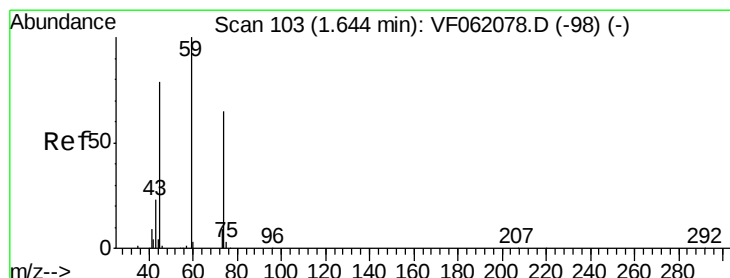
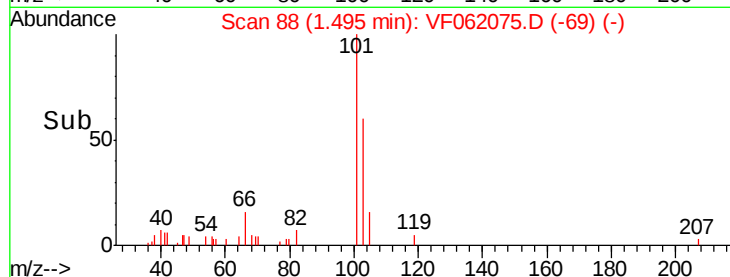
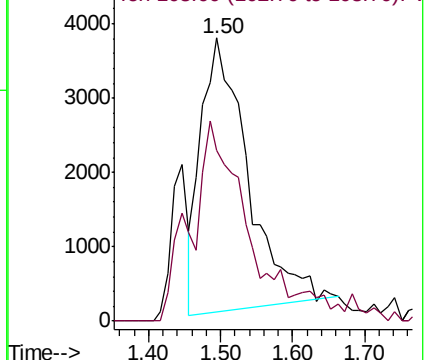
101 100

103 60.2 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 5.101 ug/l

RT: 1.64 min Scan# 103

Delta R.T. -0.00 min

Lab File: VF062075.D

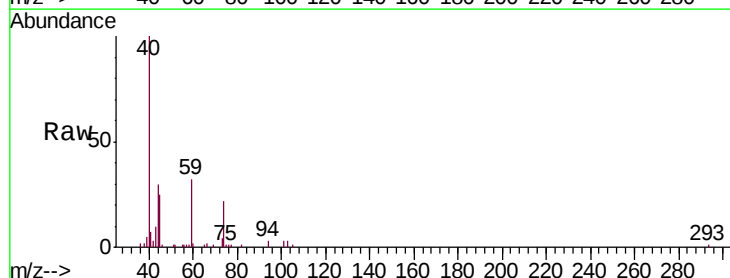
Acq: 22 Mar 2019 10:35

Tgt Ion: 74 Resp: 5352

Ion Ratio Lower Upper

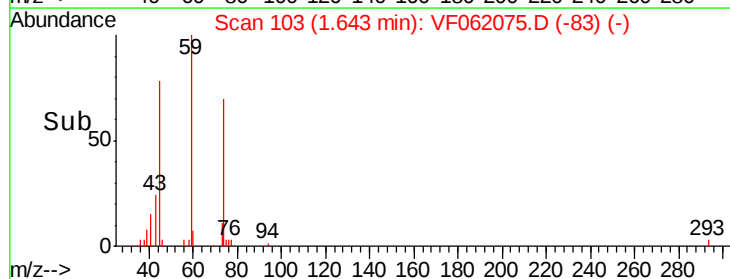
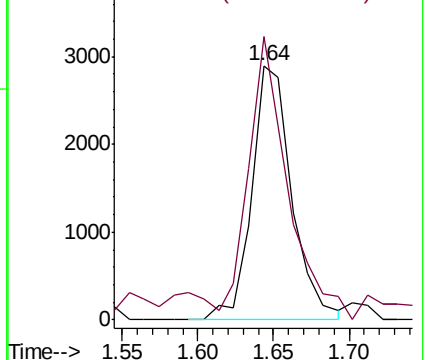
74 100

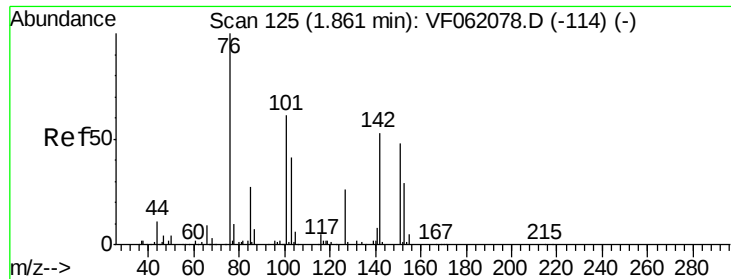
45 111.3 61.4 184.2



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.018 ug/l

RT: 1.86 min Scan# 125

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Instrument :

MSVOA_F

ClientSampled :

BFB

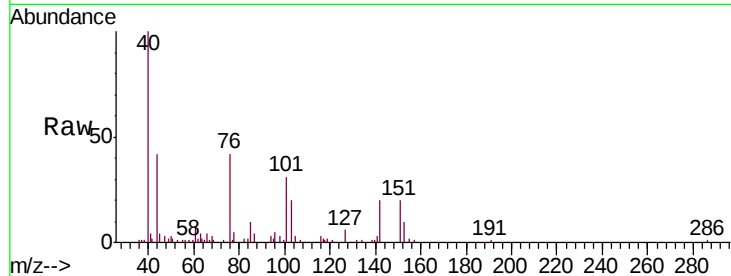
Tgt Ion:101 Resp: 15724

Ion Ratio Lower Upper

101 100

85 31.8 34.6 52.0#

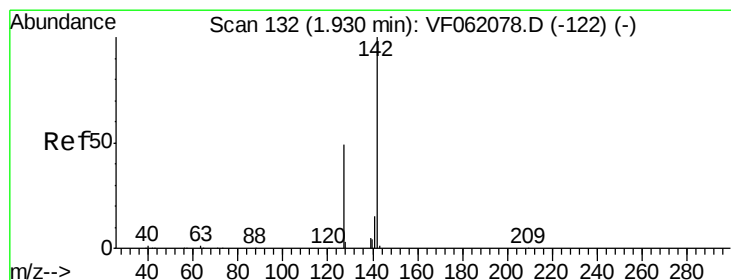
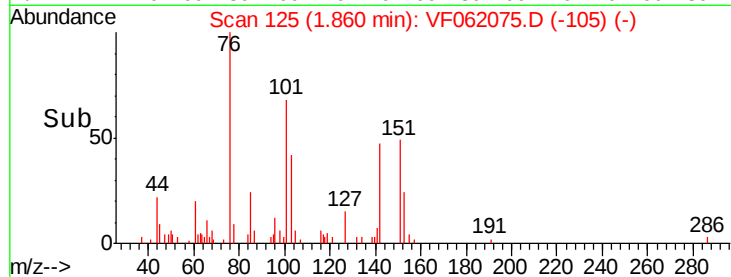
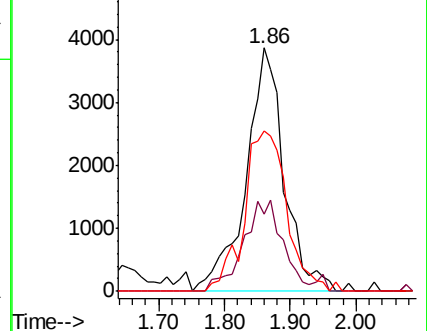
151 65.9 61.7 92.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 4.196 ug/l

RT: 1.92 min Scan# 131

Delta R.T. -0.01 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

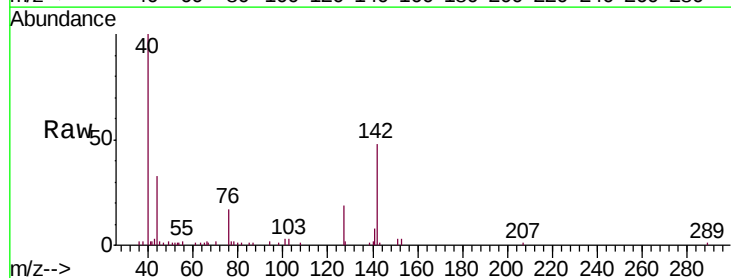
Tgt Ion:142 Resp: 24515

Ion Ratio Lower Upper

142 100

127 39.8 39.1 58.7

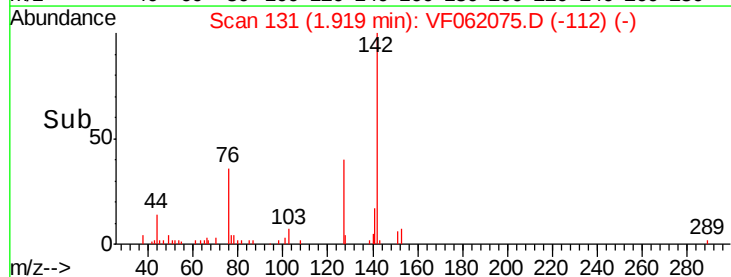
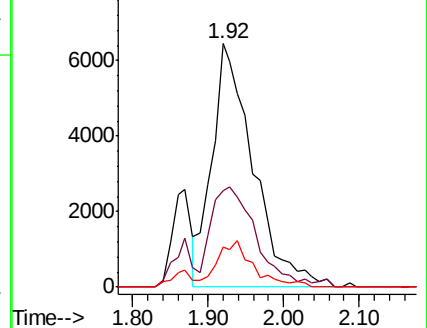
141 16.5 12.2 18.4

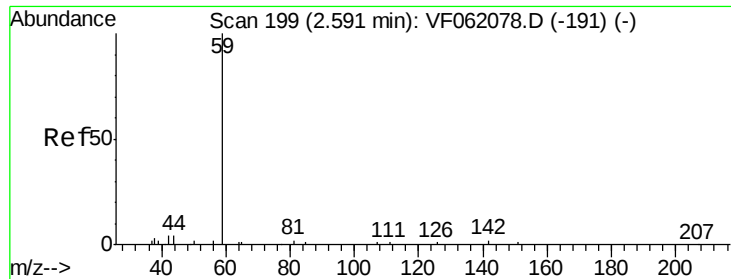


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



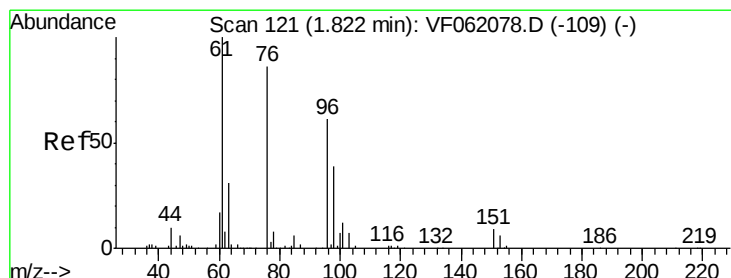
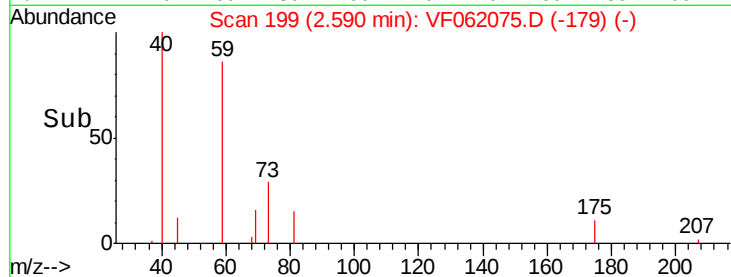
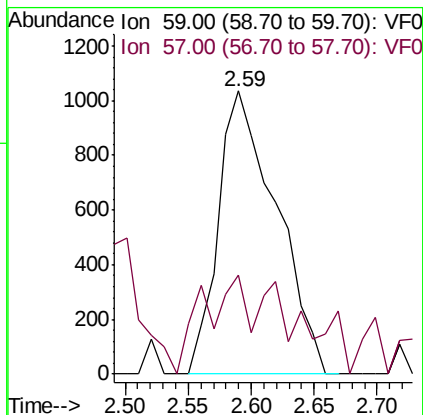
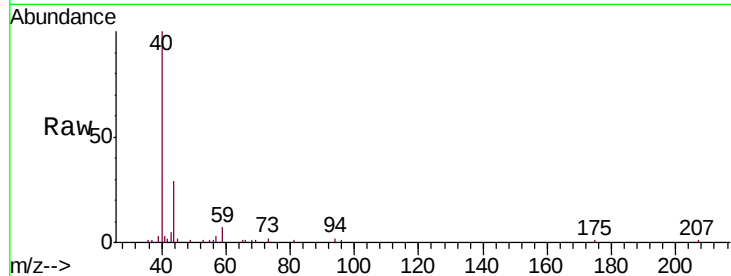


#11

Tert butyl alcohol
 Concen: 26.384 ug/l
 RT: 2.59 min Scan# 199
 Delta R.T. -0.00 min
 Lab File: VF062075.D
 Acq: 22 Mar 2019 10:35

Instrument :
 MSVOA_F
 ClientSampled :
 BFB

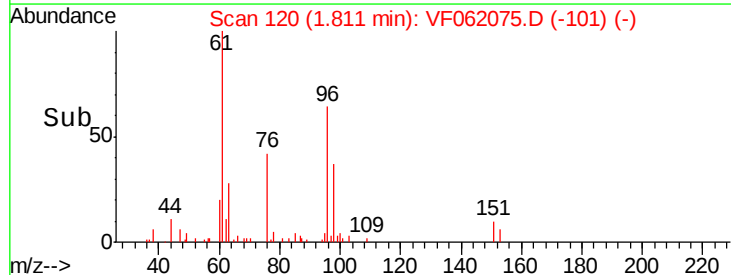
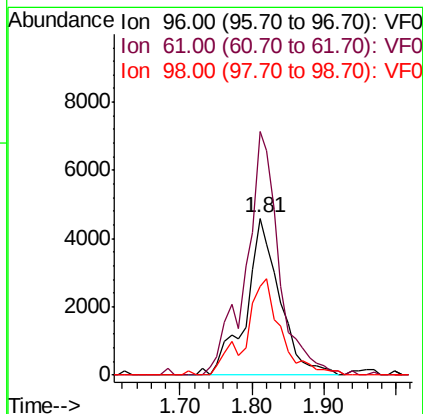
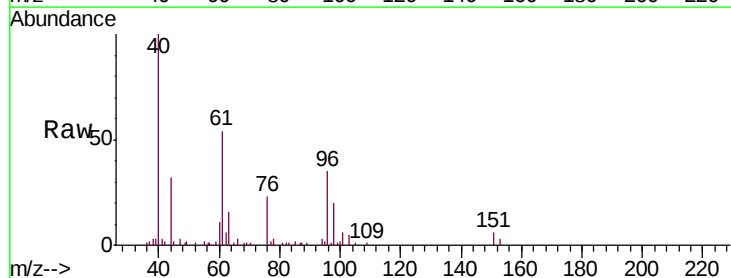
Tgt Ion: 59 Resp: 3312
 Ion Ratio Lower Upper
 59 100
 57 35.1 11.0 16.4#

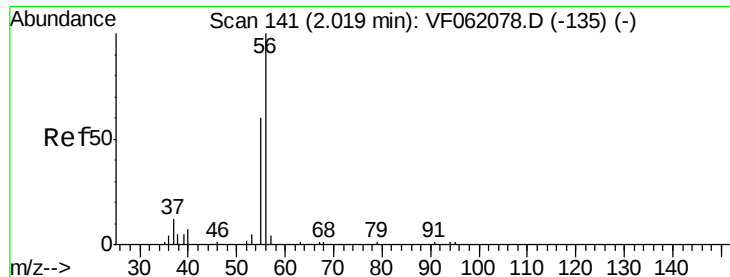


#12

1,1-Dichloroethene
 Concen: 5.047 ug/l
 RT: 1.81 min Scan# 120
 Delta R.T. -0.01 min
 Lab File: VF062075.D
 Acq: 22 Mar 2019 10:35

Tgt Ion: 96 Resp: 14922
 Ion Ratio Lower Upper
 96 100
 61 155.2 131.0 196.6
 98 56.8 51.5 77.3





#13

Acrolein

Concen: 21.329 ug/l

RT: 2.02 min Scan# 141

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Instrument :

MSVOA_F

ClientSampleId :

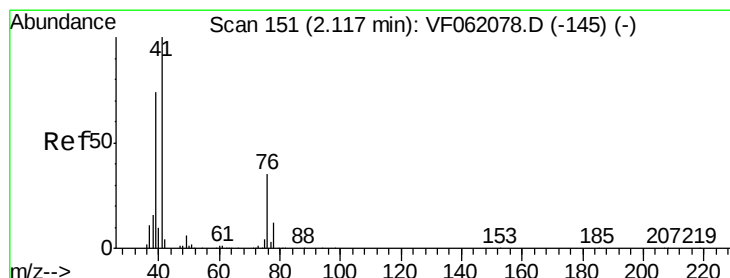
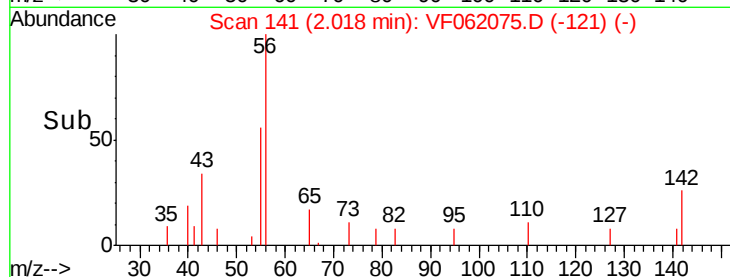
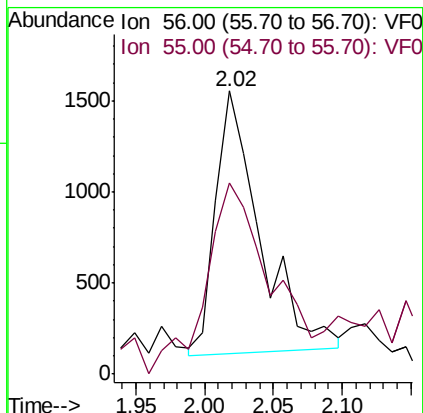
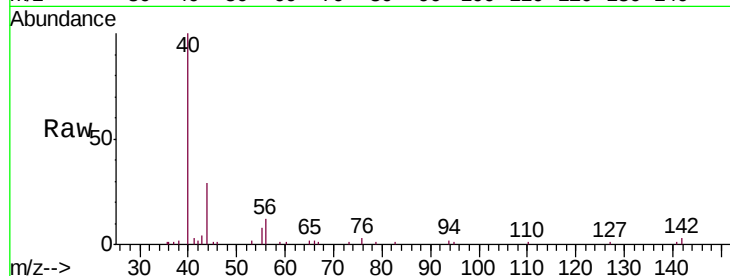
BFB

Tgt Ion: 56 Resp: 3227

Ion Ratio Lower Upper

56 100

55 67.5 49.0 73.4



#14

Allyl chloride

Concen: 4.879 ug/l

RT: 2.12 min Scan# 151

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

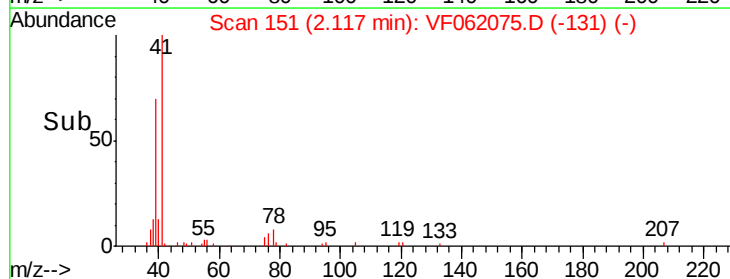
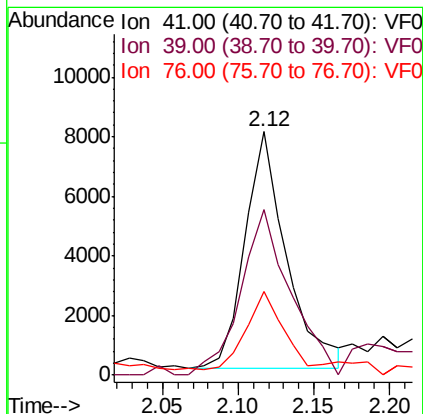
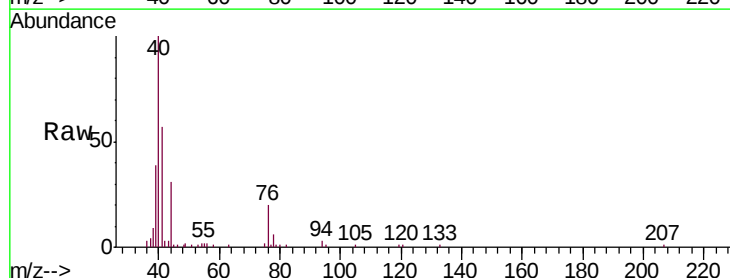
Tgt Ion: 41 Resp: 15403

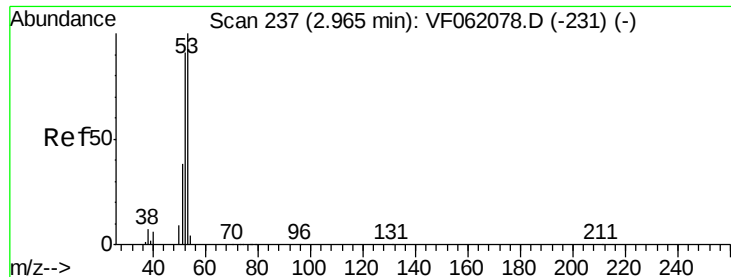
Ion Ratio Lower Upper

41 100

39 67.8 59.8 89.8

76 34.5 30.0 45.0





#15

Acrylonitrile

Concen: 23.958 ug/l

RT: 2.96 min Scan# 237

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Instrument :

MSVOA_F

ClientSampleId :

BFB

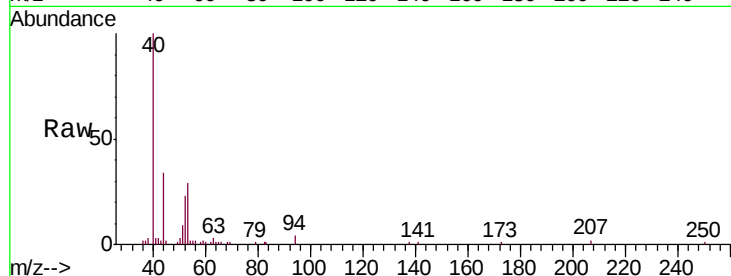
Tgt Ion: 53 Resp: 10576

Ion Ratio Lower Upper

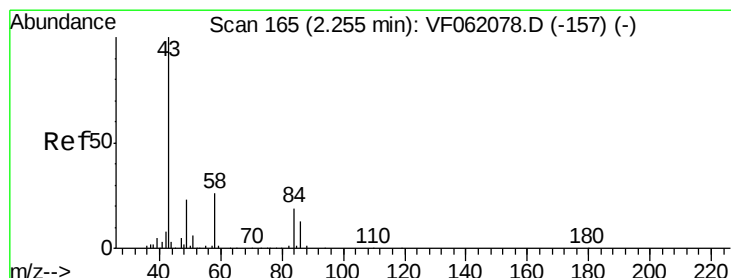
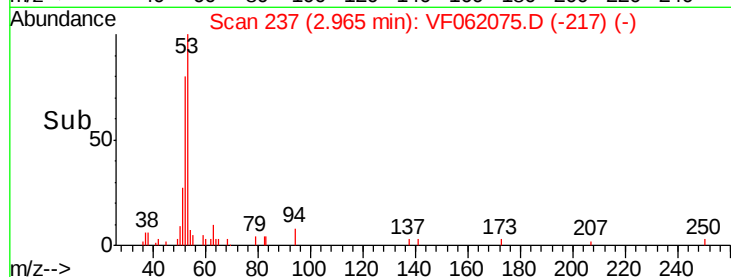
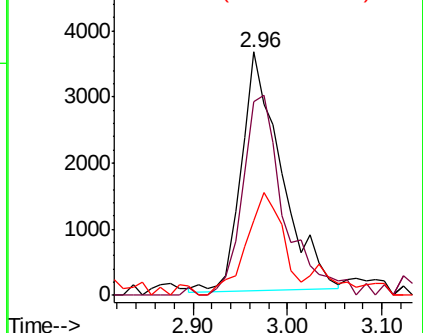
53 100

52 79.5 72.3 108.5

51 30.5 30.4 45.6



Abundance Ion 53.00 (52.70 to 53.70): VF0
Ion 52.00 (51.70 to 52.70): VF0
Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 23.125 ug/l

RT: 2.25 min Scan# 165

Delta R.T. -0.00 min

Lab File: VF062075.D

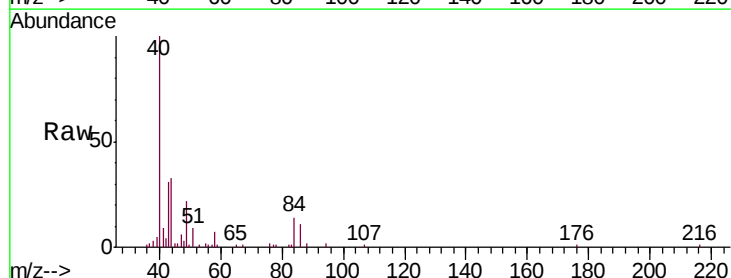
Acq: 22 Mar 2019 10:35

Tgt Ion: 43 Resp: 11104

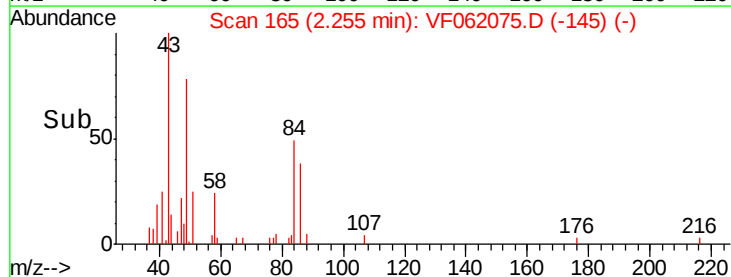
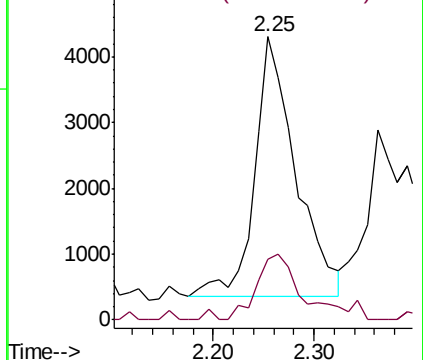
Ion Ratio Lower Upper

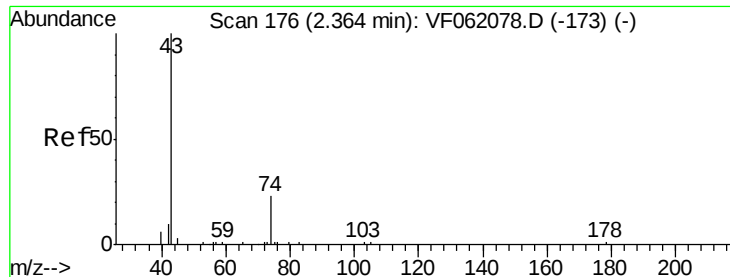
43 100

58 21.6 20.8 31.2



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

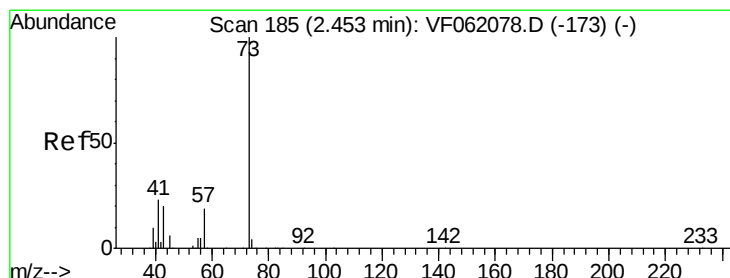
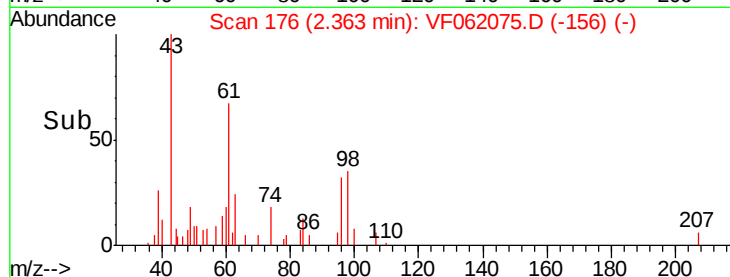
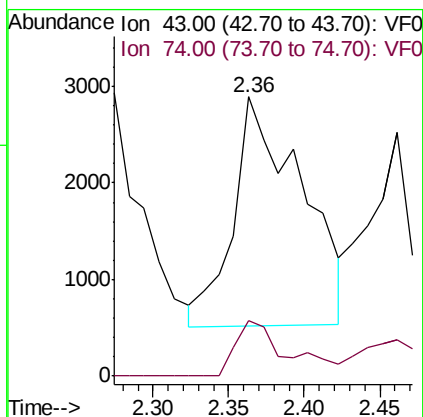
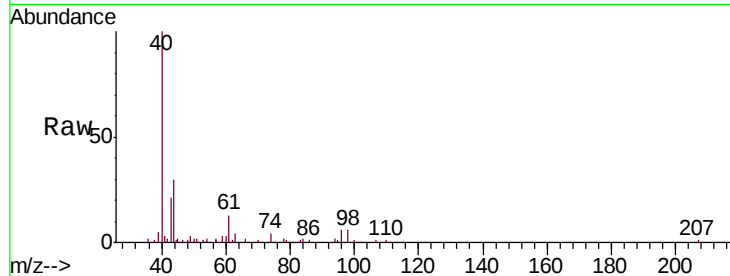




#18
Methyl Acetate
Concen: 6.571 ug/l
RT: 2.36 min Scan# 176
Delta R.T. 0.00 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

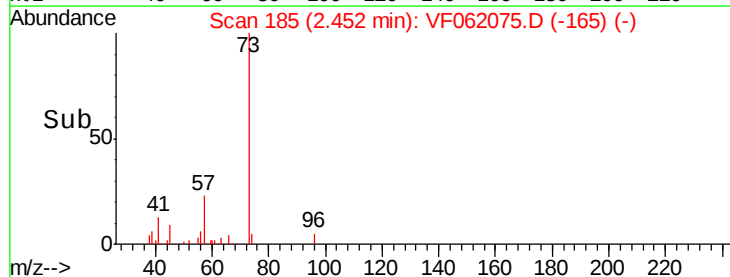
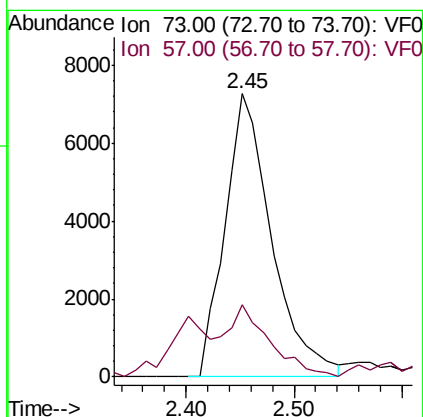
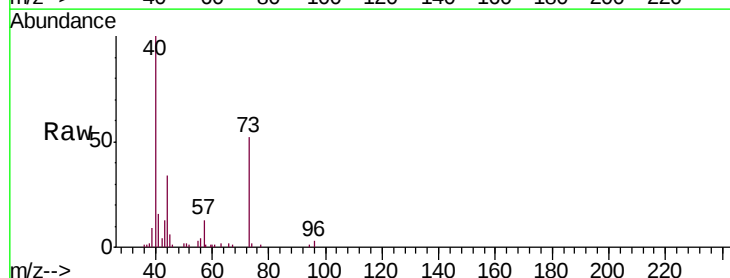
Instrument :
MSVOA_F
ClientSampleId :
BFB

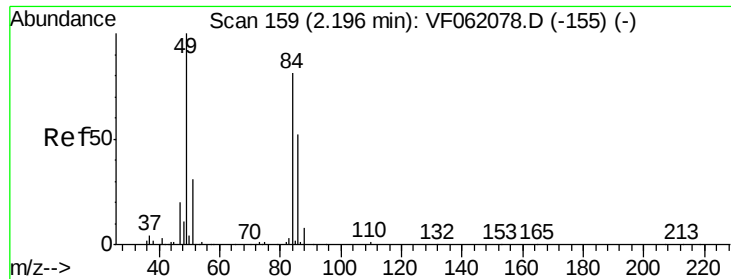
Tgt Ion: 43 Resp: 7474
Ion Ratio Lower Upper
43 100
74 20.0 16.3 24.5



#19
Methyl tert-butyl Ether
Concen: 4.686 ug/l
RT: 2.45 min Scan# 185
Delta R.T. -0.00 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Tgt Ion: 73 Resp: 21899
Ion Ratio Lower Upper
73 100
57 25.4 15.1 22.7#

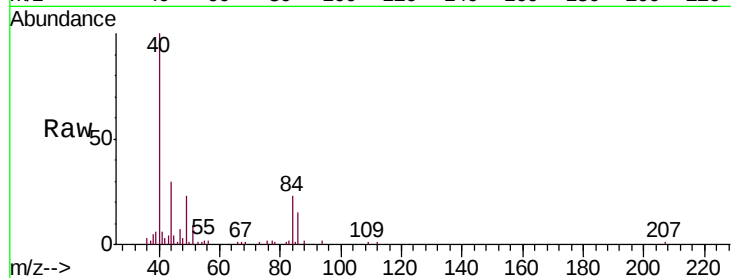




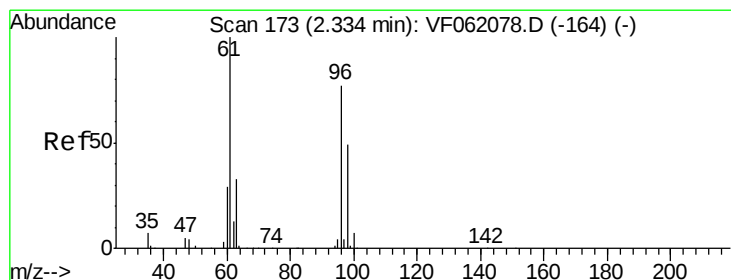
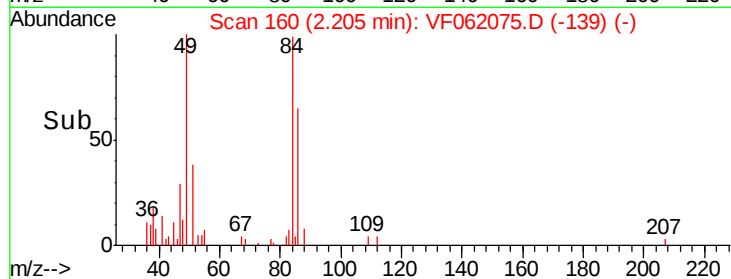
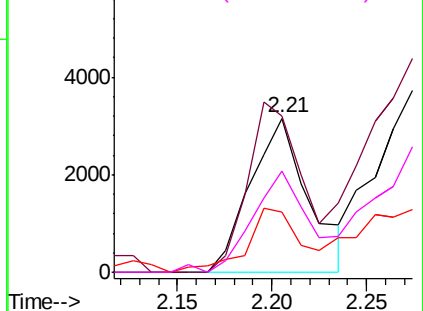
#20
Methylene Chloride
Concen: 2.110 ug/l
RT: 2.21 min Scan# 160
Delta R.T. 0.01 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Instrument :
MSVOA_F
ClientSampled :
BFB

Tgt Ion: 84 Resp: 6768
Ion Ratio Lower Upper
84 100
49 101.0 100.4 150.6
51 38.8 31.0 46.6
86 65.7 51.3 76.9

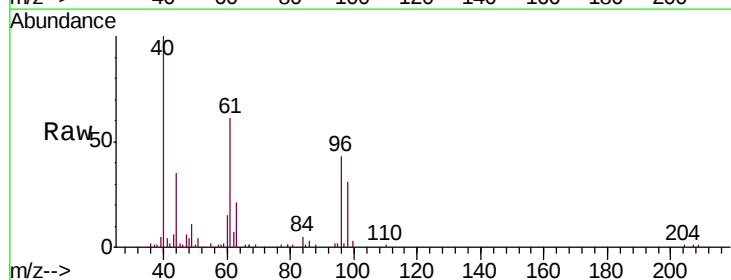


Abundance Ion 84.00 (83.70 to 84.70): VF0
Ion 49.00 (48.70 to 49.70): VF0
Ion 51.00 (50.70 to 51.70): VF0
Ion 86.00 (85.70 to 86.70): VF0

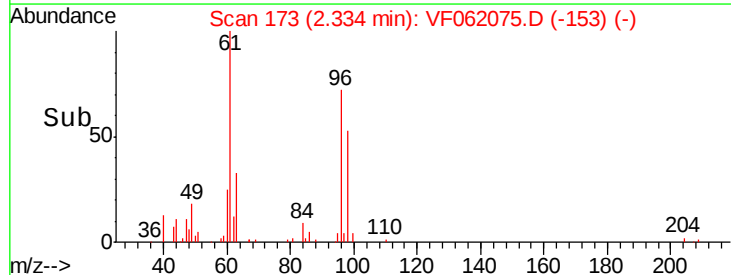
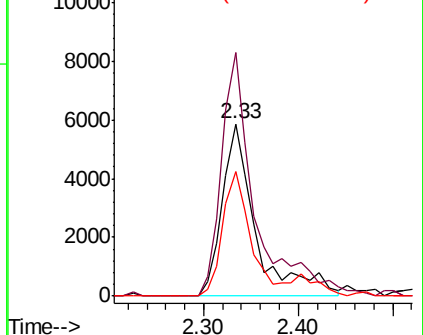


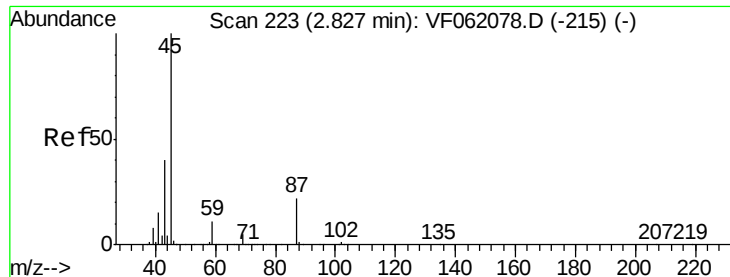
#21
trans-1,2-Dichloroethene
Concen: 5.277 ug/l
RT: 2.33 min Scan# 173
Delta R.T. -0.00 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Tgt Ion: 96 Resp: 14501
Ion Ratio Lower Upper
96 100
61 141.5 104.5 156.7
98 72.7 51.2 76.8



Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

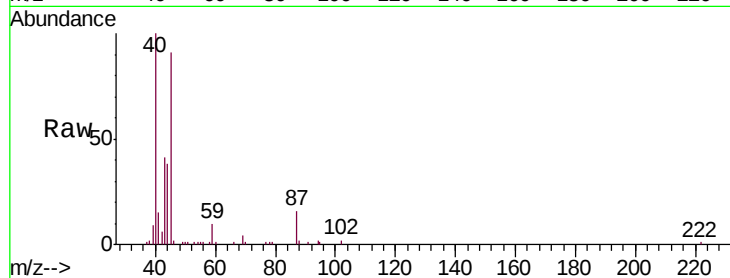




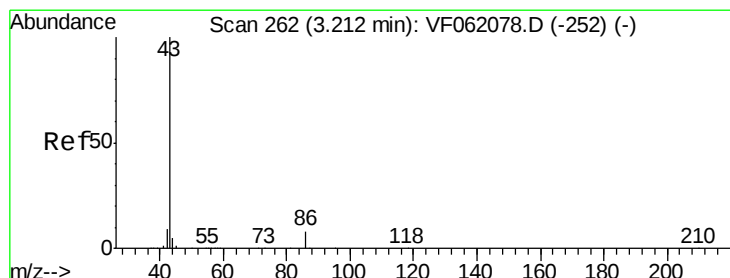
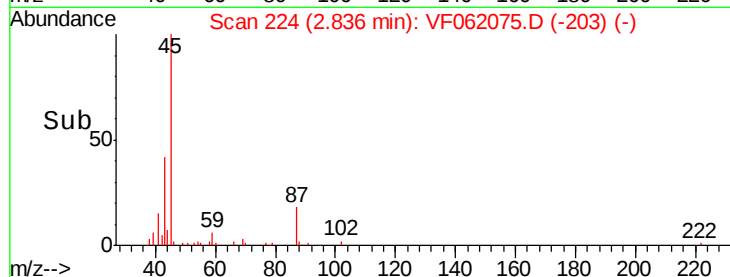
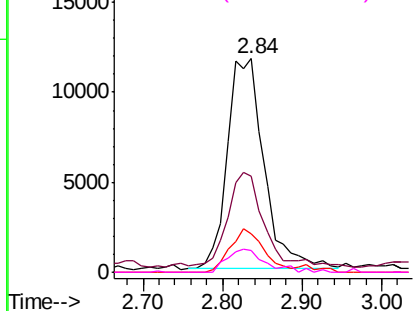
#22
Diisopropyl ether
Concen: 4.567 ug/l
RT: 2.84 min Scan# 224
Delta R.T. 0.01 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Instrument :
MSVOA_F
ClientSampleId :
BFB

Tgt Ion: 45 Resp: 37802
Ion Ratio Lower Upper
45 100
43 44.7 32.5 48.7
87 17.8 17.4 26.2
59 10.5 8.6 12.8

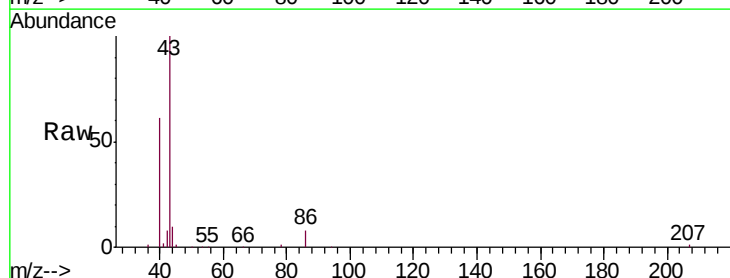


Abundance Ion 45.00 (44.70 to 45.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 87.00 (86.70 to 87.70): VF0
Ion 59.00 (58.70 to 59.70): VF0

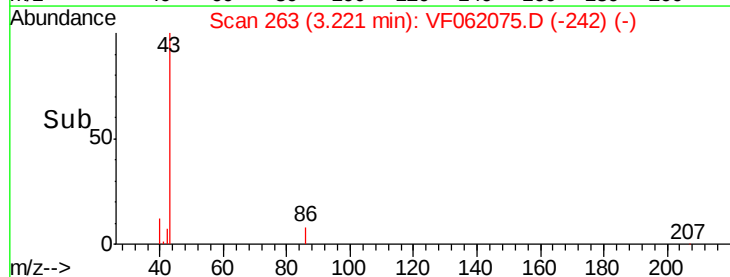
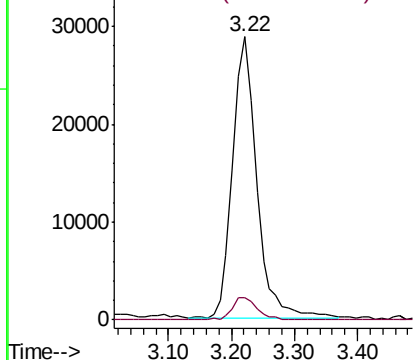


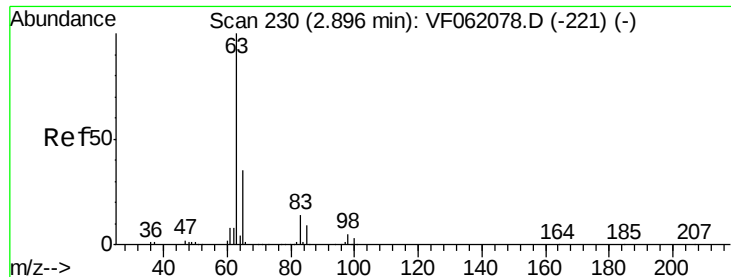
#23
Vinyl Acetate
Concen: 22.694 ug/l
RT: 3.22 min Scan# 263
Delta R.T. 0.01 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Tgt Ion: 43 Resp: 76901
Ion Ratio Lower Upper
43 100
86 7.7 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 86.00 (85.70 to 86.70): VF0





#24

1,1-Dichloroethane

Concen: 5.081 ug/l

RT: 2.90 min Scan# 230

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Instrument :

MSVOA_F

ClientSampleId :

BFB

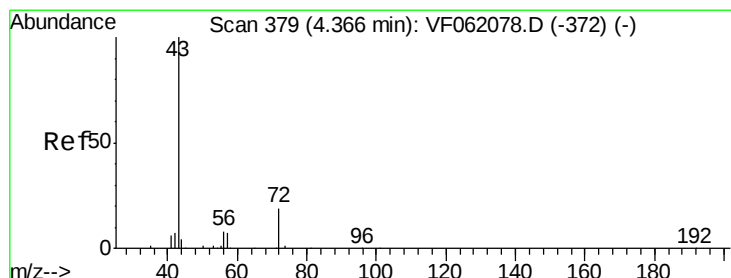
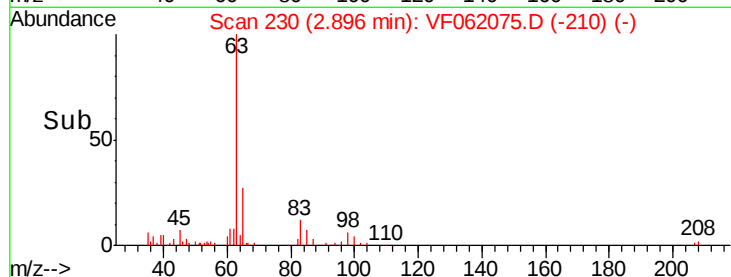
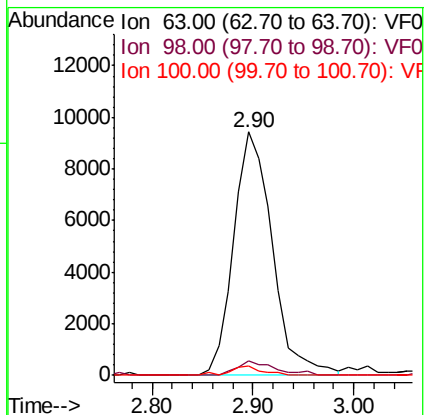
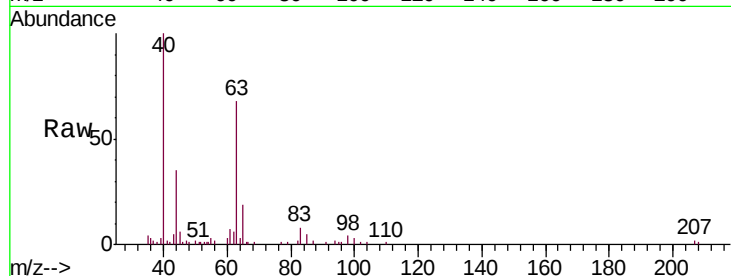
Tgt Ion: 63 Resp: 25216

Ion Ratio Lower Upper

63 100

98 5.8 2.7 8.1

100 3.8 1.7 5.1



#25

2-Butanone

Concen: 25.086 ug/l

RT: 4.38 min Scan# 381

Delta R.T. 0.02 min

Lab File: VF062075.D

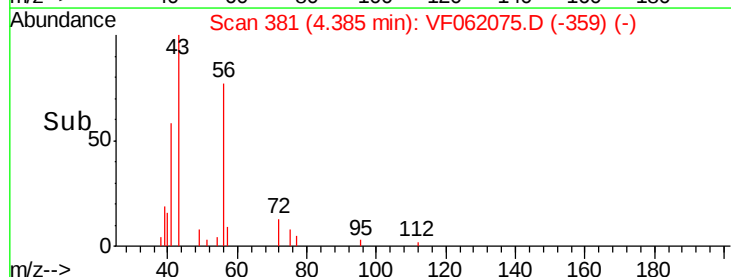
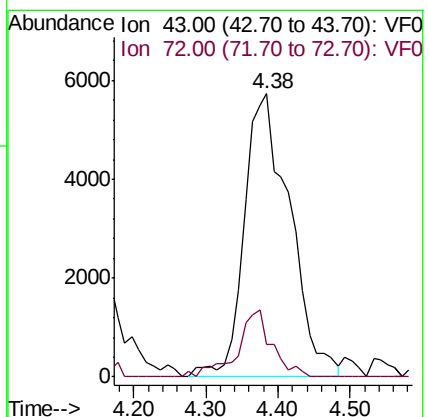
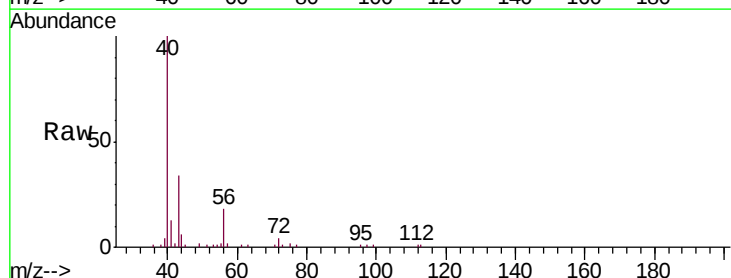
Acq: 22 Mar 2019 10:35

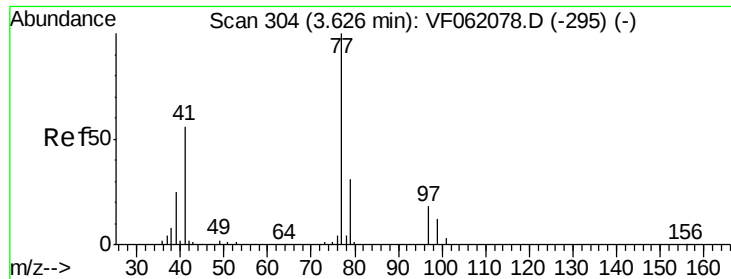
Tgt Ion: 43 Resp: 25147

Ion Ratio Lower Upper

43 100

72 11.4 16.7 25.1#





#26

2,2-Dichloropropane

Concen: 4.838 ug/l

RT: 3.63 min Scan# 304

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Instrument :

MSVOA_F

ClientSampleId :

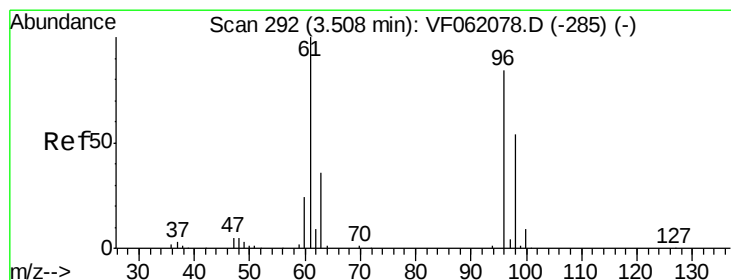
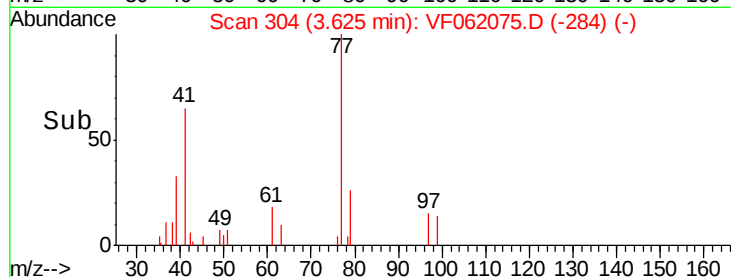
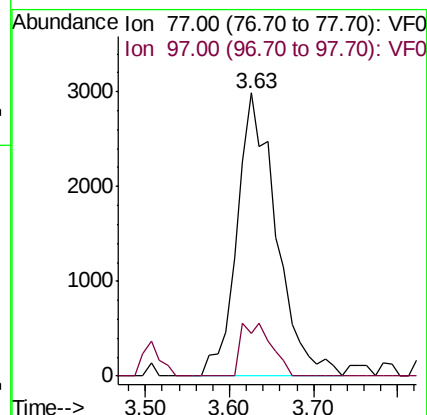
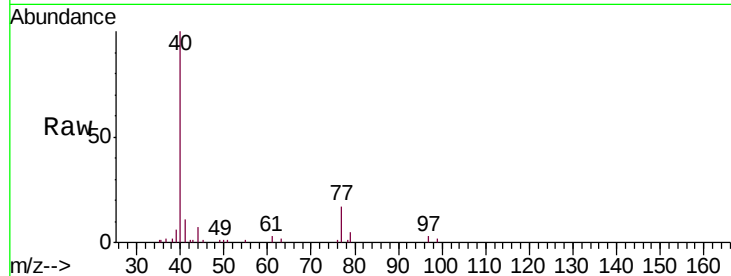
BFB

Tgt Ion: 77 Resp: 9735

Ion Ratio Lower Upper

77 100

97 15.1 10.3 30.9



#27

cis-1,2-Dichloroethene

Concen: 4.627 ug/l

RT: 3.51 min Scan# 292

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

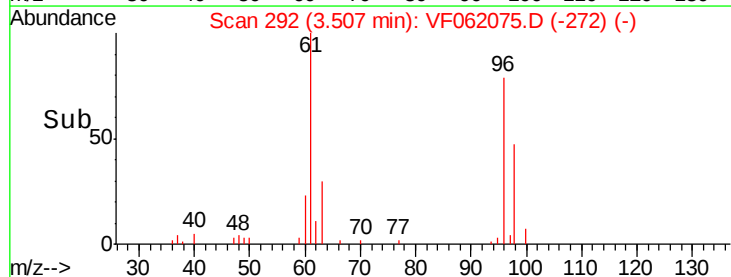
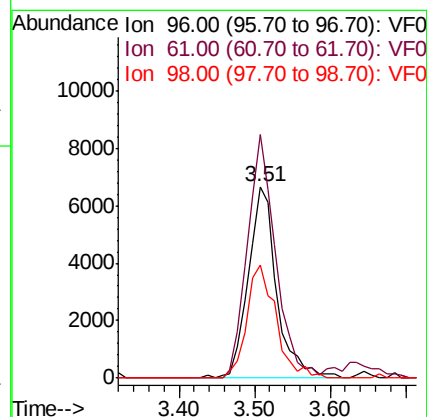
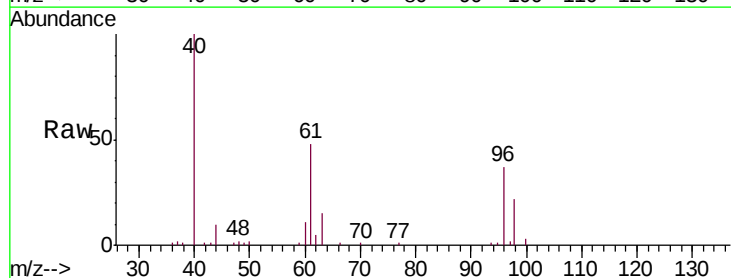
Tgt Ion: 96 Resp: 17443

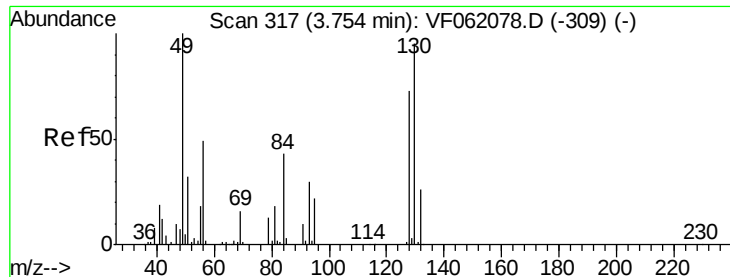
Ion Ratio Lower Upper

96 100

61 127.4 0.0 239.0

98 59.2 0.0 128.2





#28

Bromochloromethane

Concen: 4.598 ug/l

RT: 3.75 min Scan# 317

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Instrument :
MSVOA_F
ClientSampleId :
BFB

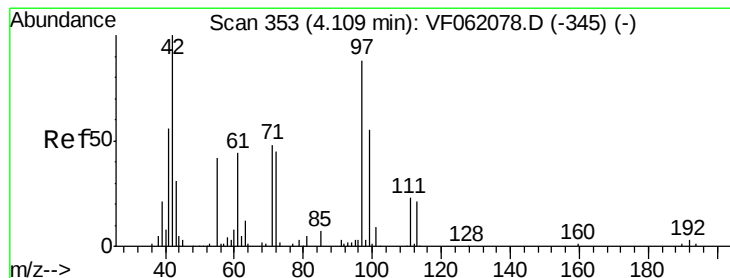
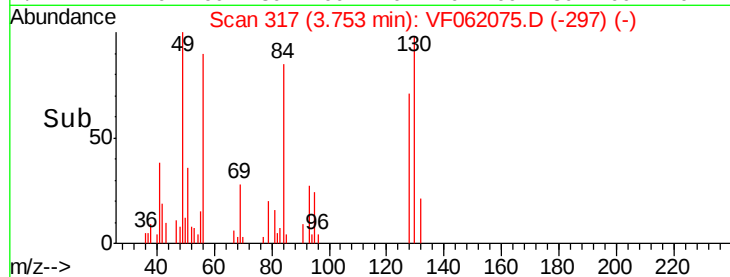
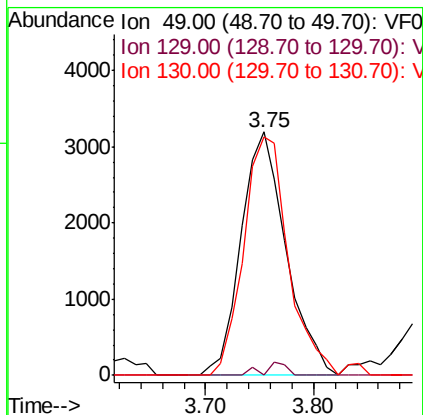
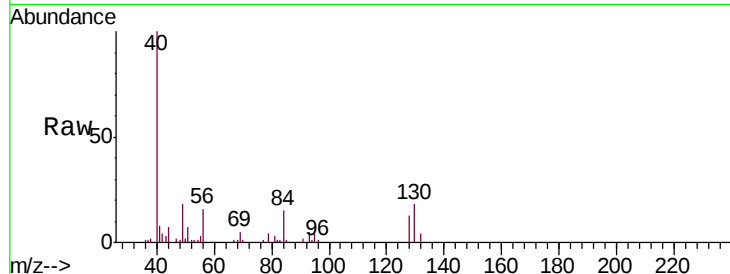
Tgt Ion: 49 Resp: 9323

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.6

130 98.0 75.5 113.3



#29

Tetrahydrofuran

Concen: 25.711 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

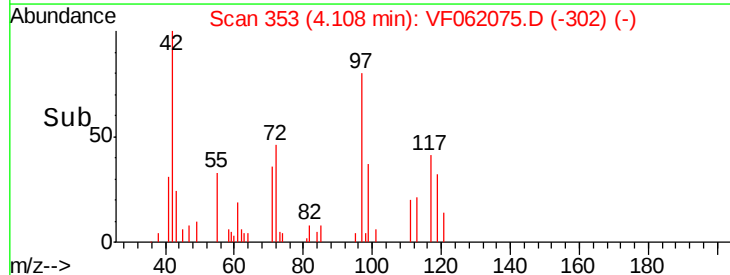
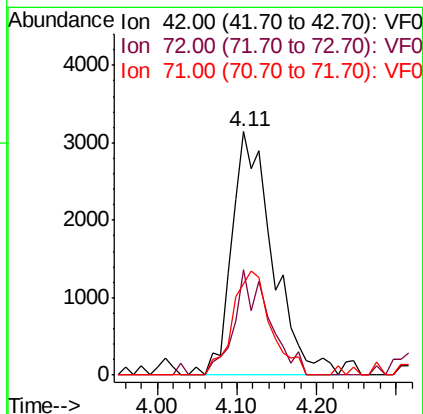
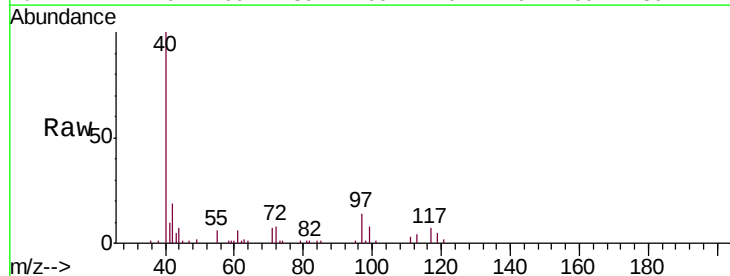
Tgt Ion: 42 Resp: 11206

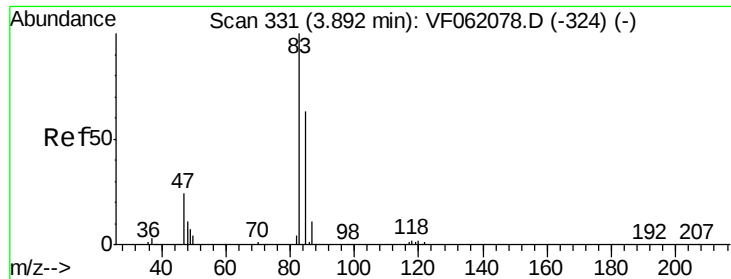
Ion Ratio Lower Upper

42 100

72 36.9 33.3 49.9

71 39.8 35.0 52.4

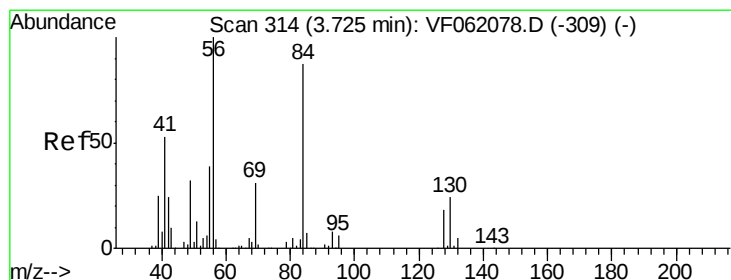
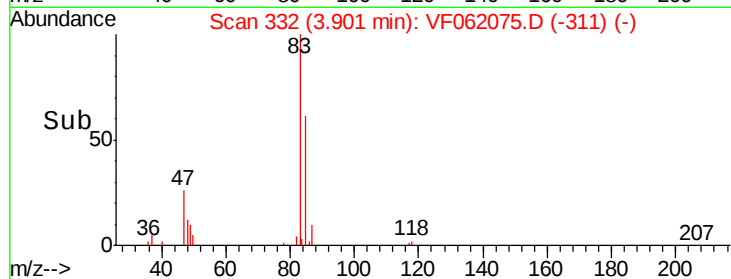
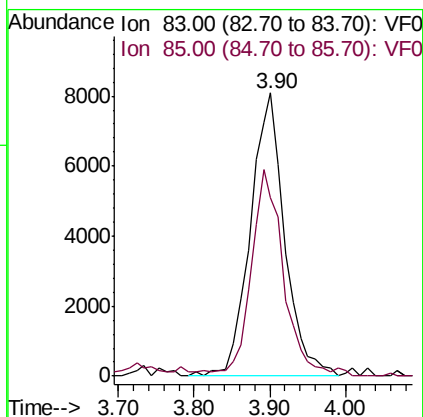
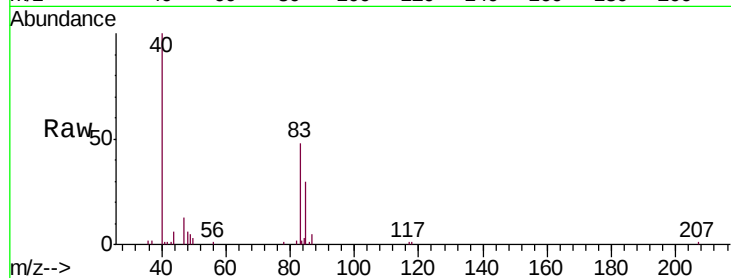




#30
Chloroform
Concen: 4.870 ug/l
RT: 3.90 min Scan# 332
Delta R.T. 0.01 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

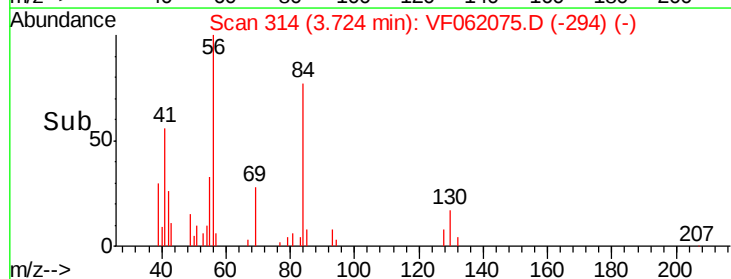
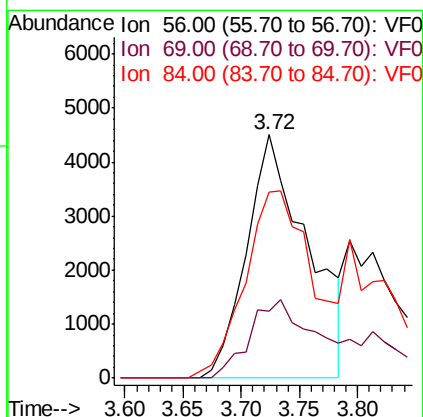
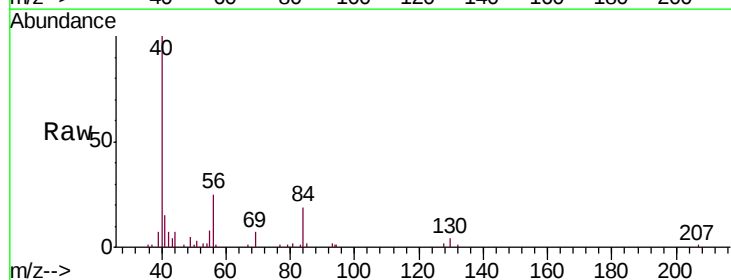
Instrument :
MSVOA_F
ClientSampled :
BFB

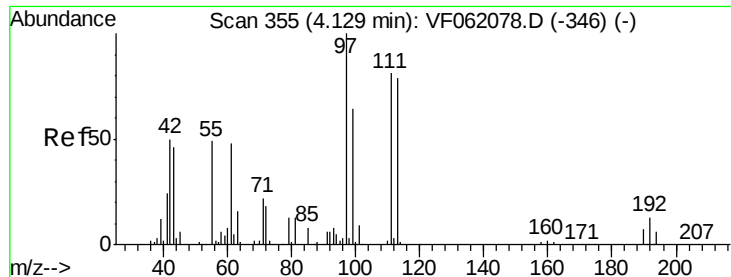
Tgt Ion: 83 Resp: 25546
Ion Ratio Lower Upper
83 100
85 61.0 51.5 77.3



#31
Cyclohexane
Concen: 3.361 ug/l
RT: 3.72 min Scan# 314
Delta R.T. -0.00 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Tgt Ion: 56 Resp: 16369
Ion Ratio Lower Upper
56 100
69 27.7 25.9 38.9
84 76.6 71.1 106.7





#32

1,1,1-Trichloroethane

Concen: 5.527 ug/l

RT: 4.14 min Scan# 356

Delta R.T. 0.01 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Instrument :

MSVOA_F

ClientSampleId :

BFB

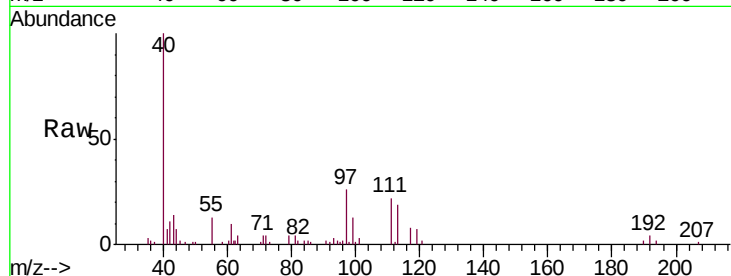
Tgt Ion: 97 Resp: 17636

Ion Ratio Lower Upper

97 100

99 48.5 51.3 76.9#

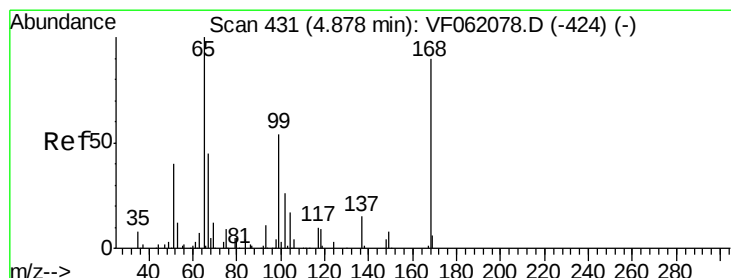
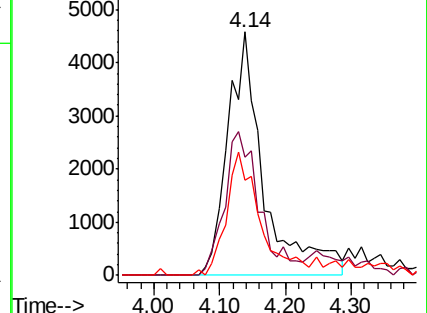
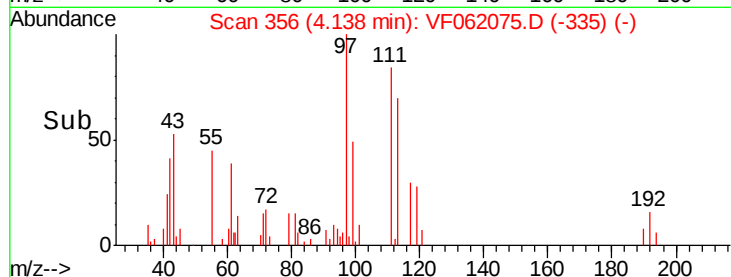
61 39.3 39.0 58.6



Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 4.528 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.00 min

Lab File: VF062075.D

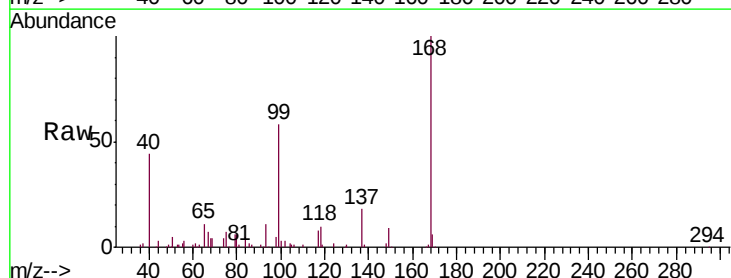
Acq: 22 Mar 2019 10:35

Tgt Ion: 65 Resp: 10331

Ion Ratio Lower Upper

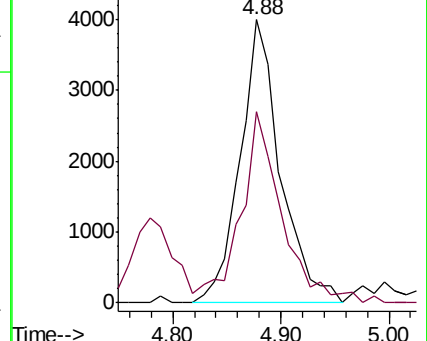
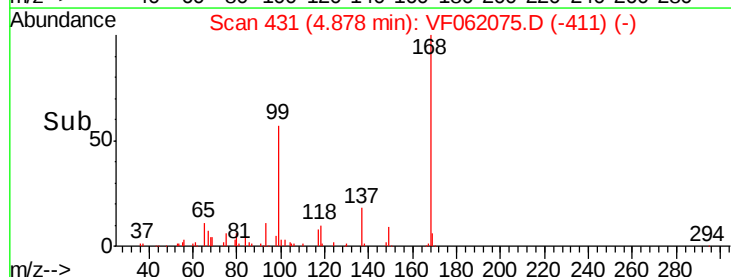
65 100

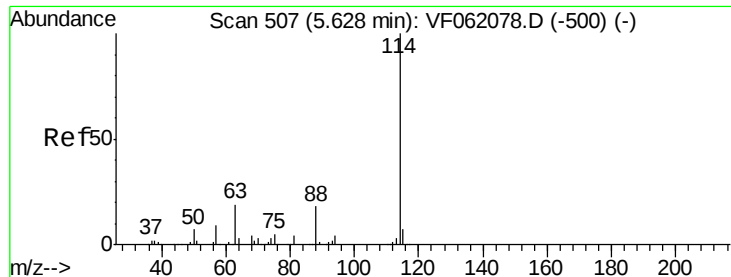
67 67.4 0.0 106.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 507

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Instrument :

MSVOA_F

ClientSampleId :

BFB

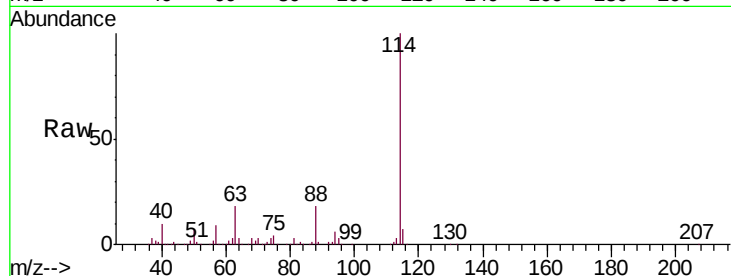
Tgt Ion:114 Resp: 460643

Ion Ratio Lower Upper

114 100

63 18.3 0.0 37.8

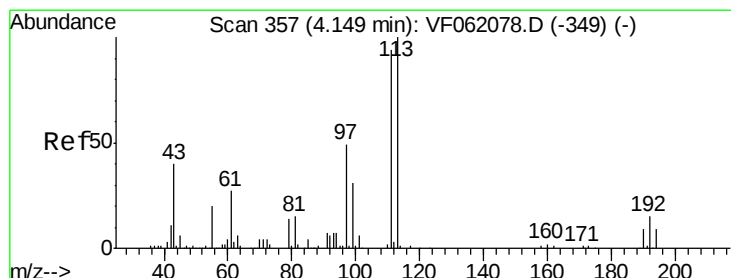
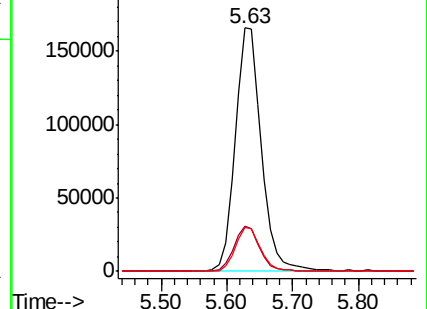
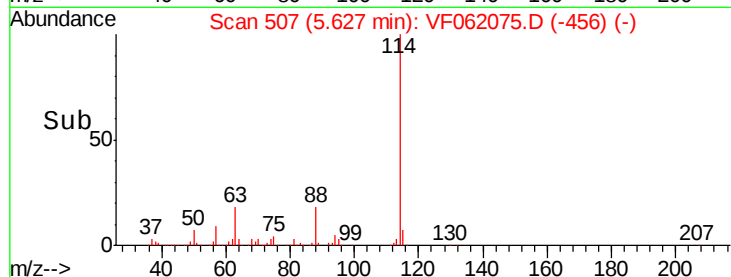
88 18.1 0.0 36.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 4.450 ug/l

RT: 4.15 min Scan# 357

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

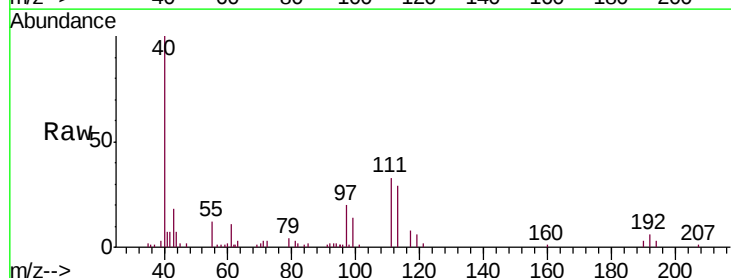
Tgt Ion:113 Resp: 13868

Ion Ratio Lower Upper

113 100

111 113.7 75.4 113.0#

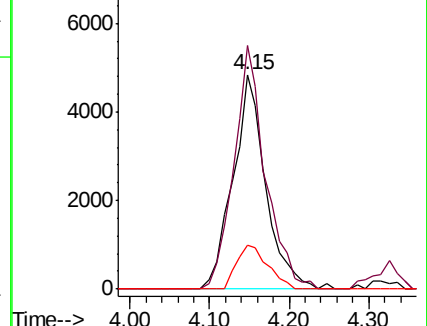
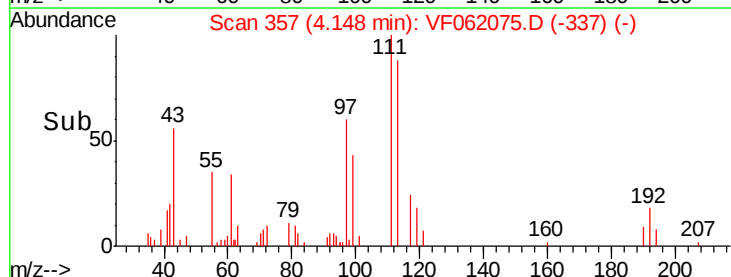
192 20.3 12.3 18.5#

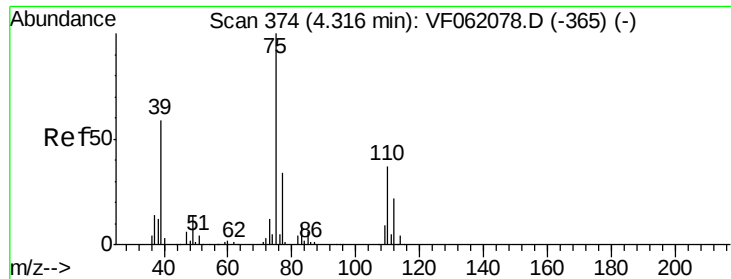


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#36

1,1-Dichloropropene

Concen: 4.867 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.01 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Instrument :

MSVOA_F

ClientSampleId :

BFB

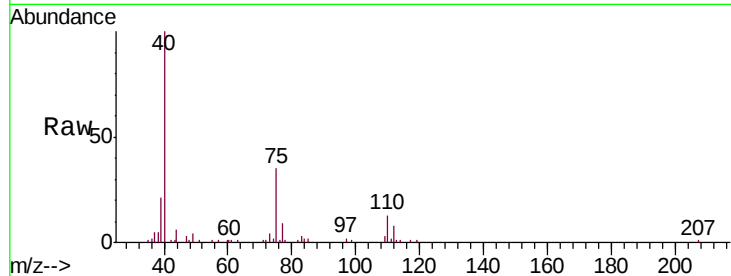
Tgt Ion: 75 Resp: 21353

Ion Ratio Lower Upper

75 100

110 37.7 18.5 55.5

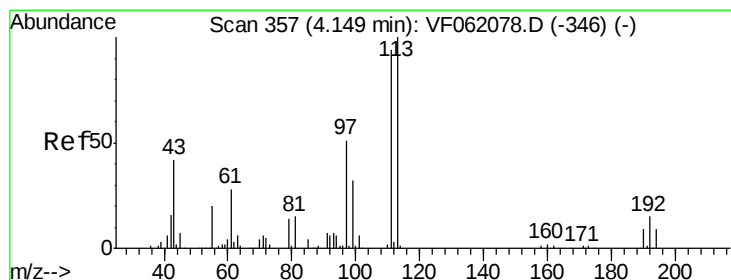
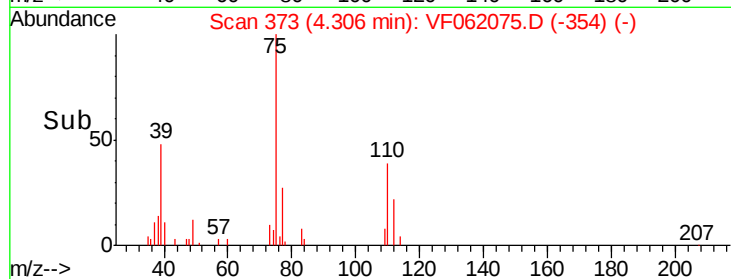
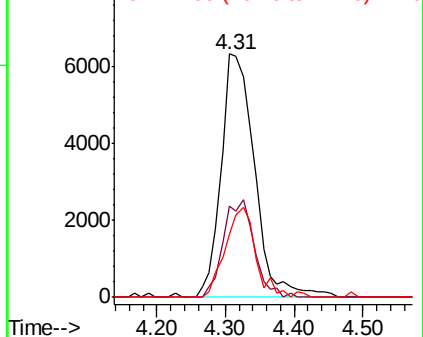
77 26.1 27.4 41.0#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#37

Ethyl Acetate

Concen: 6.067 ug/l

RT: 4.15 min Scan# 357

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

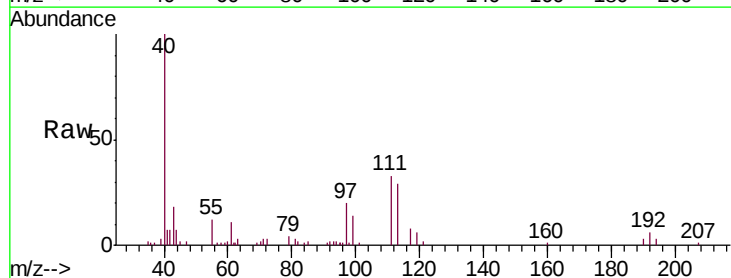
Tgt Ion: 43 Resp: 11633

Ion Ratio Lower Upper

43 100

61 60.7 53.6 80.4

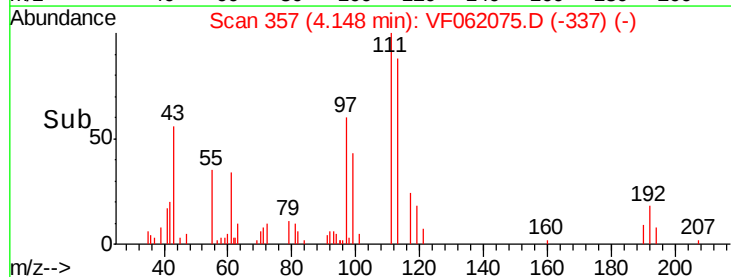
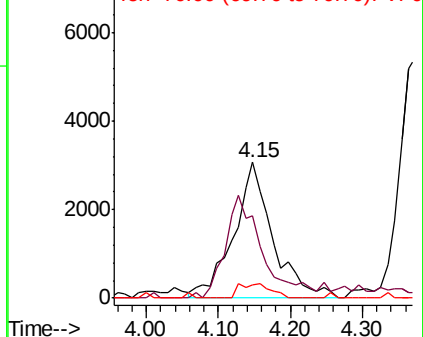
70 10.0 9.0 13.6

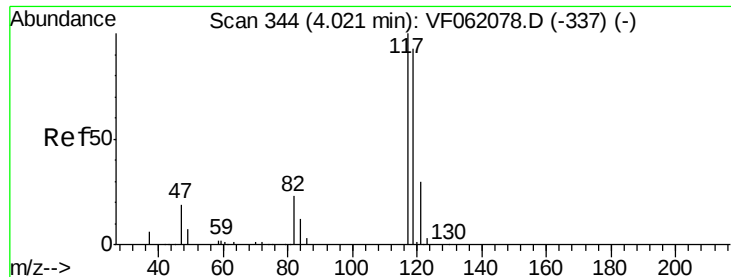


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

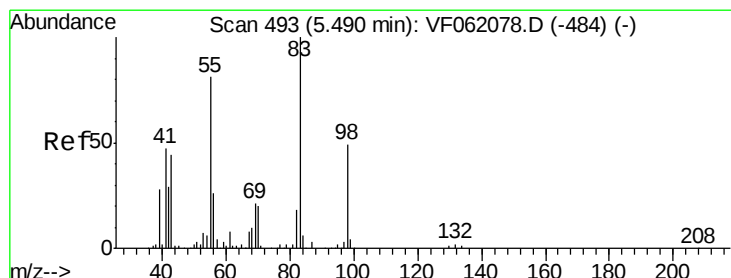
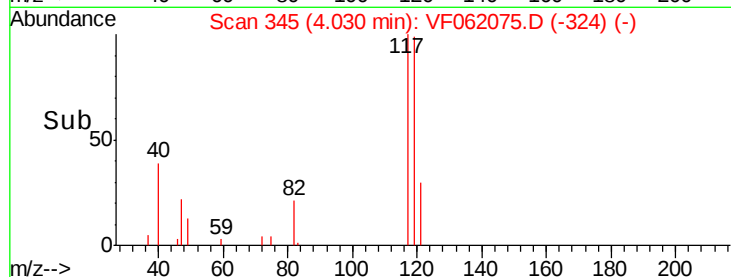
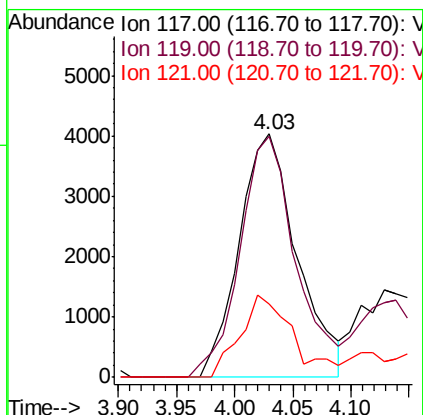
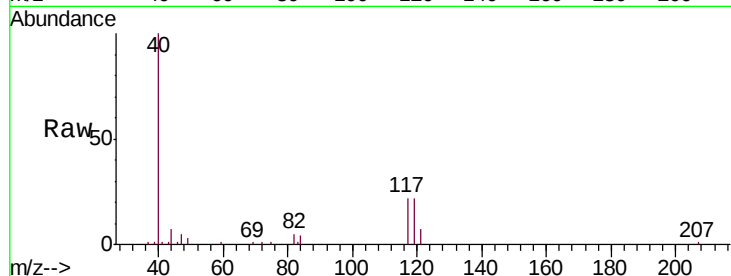




#38
Carbon Tetrachloride
Concen: 4.674 ug/l
RT: 4.03 min Scan# 345
Delta R.T. 0.01 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

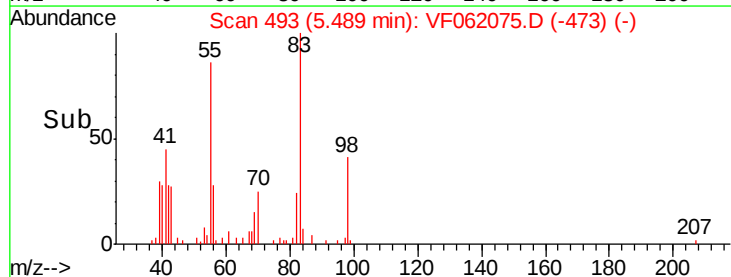
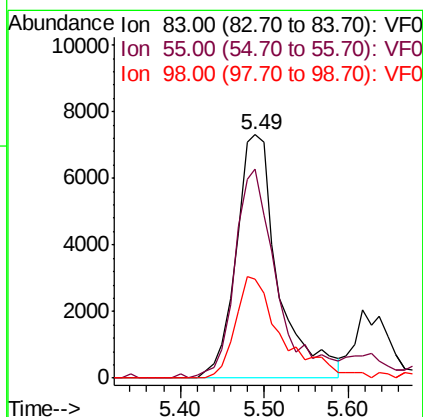
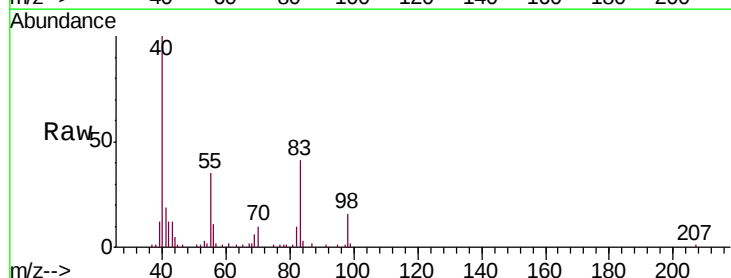
Instrument :
MSVOA_F
ClientSampled :
BFB

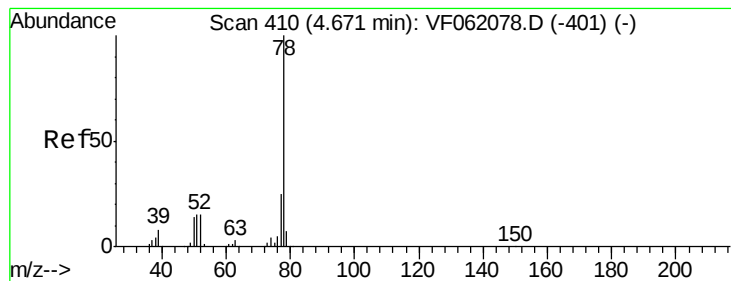
Tgt Ion:117 Resp: 13978
Ion Ratio Lower Upper
117 100
119 99.2 74.7 112.1
121 30.0 23.6 35.4



#39
Methylcyclohexane
Concen: 5.012 ug/l
RT: 5.49 min Scan# 493
Delta R.T. -0.00 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Tgt Ion: 83 Resp: 25525
Ion Ratio Lower Upper
83 100
55 85.6 64.5 96.7
98 40.7 39.1 58.7





#40

Benzene

Concen: 4.909 ug/l

RT: 4.67 min Scan# 410

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Instrument :

MSVOA_F

ClientSampled :

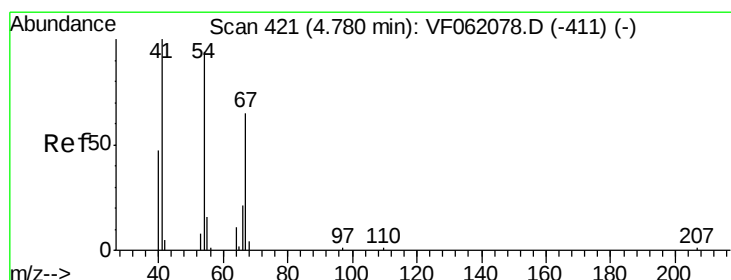
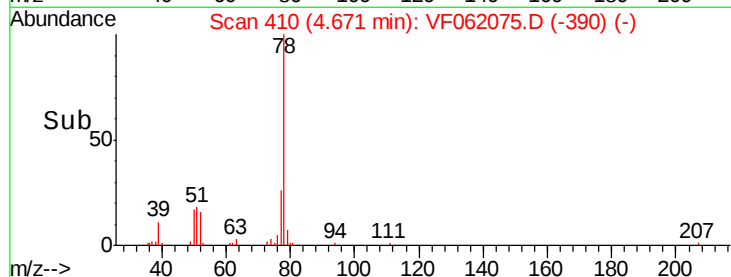
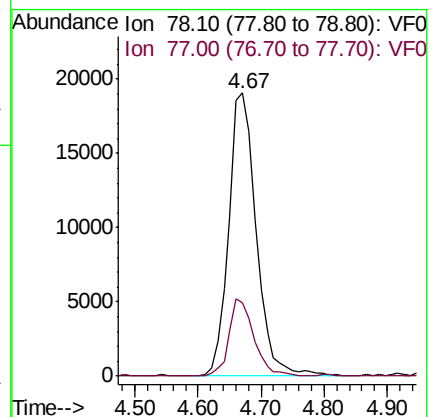
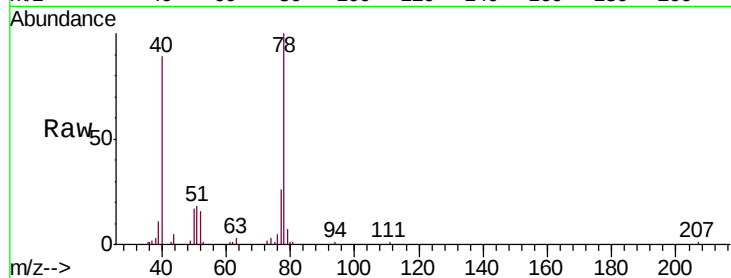
BFB

Tgt Ion: 78 Resp: 57744

Ion Ratio Lower Upper

78 100

77 25.9 19.8 29.6



#41

Methacrylonitrile

Concen: 4.816 ug/l

RT: 4.78 min Scan# 421

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Tgt Ion: 41 Resp: 4886

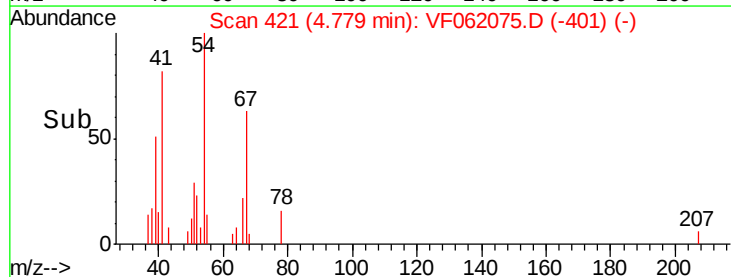
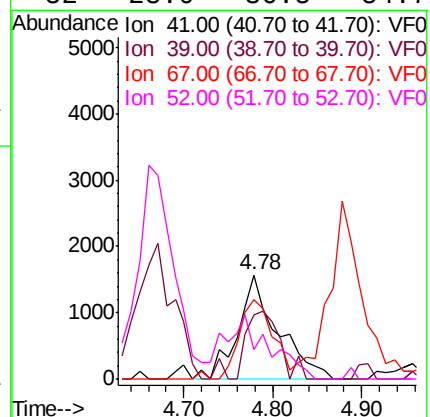
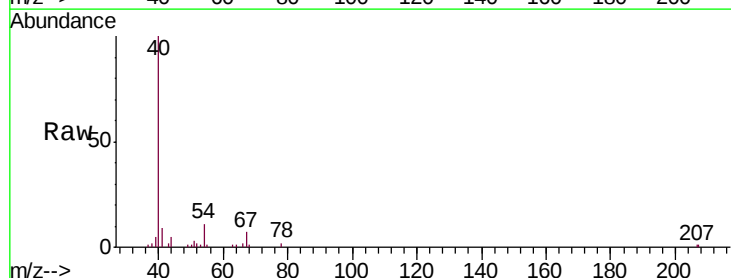
Ion Ratio Lower Upper

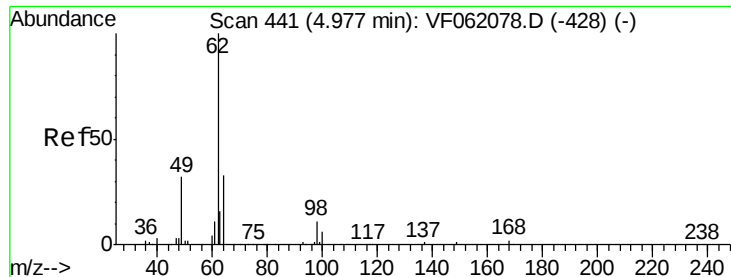
41 100

39 61.7 43.5 65.3

67 76.2 51.6 77.4

52 28.0 36.5 54.7#





#42

1,2-Dichloroethane

Concen: 4.799 ug/l

RT: 4.98 min Scan# 441

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Instrument :

MSVOA_F

ClientSampleId :

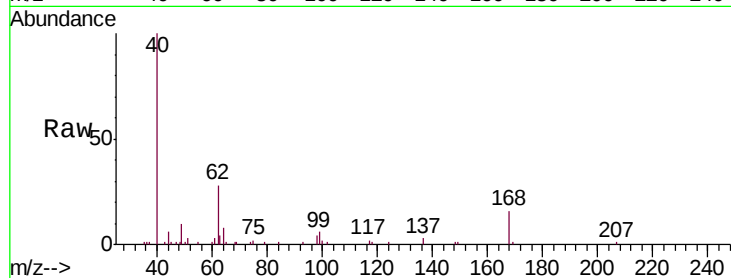
BFB

Tgt Ion: 62 Resp: 13349

Ion Ratio Lower Upper

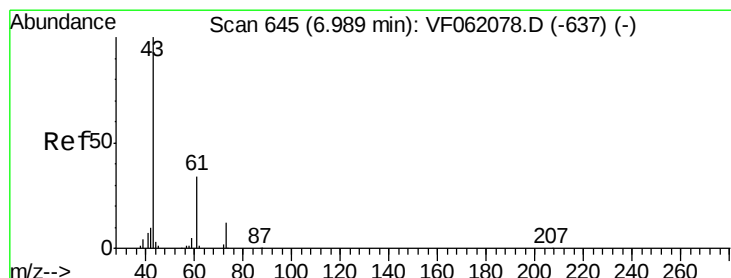
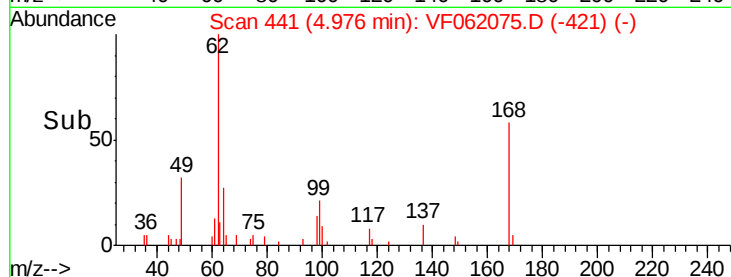
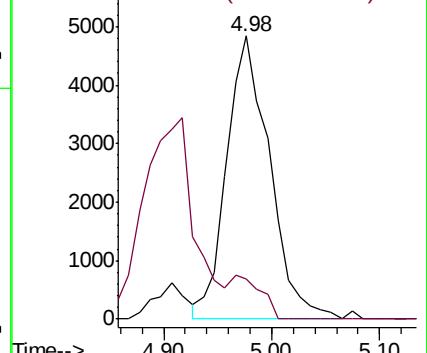
62 100

98 14.4 0.0 23.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#43

Isopropyl Acetate

Concen: 5.169 ug/l

RT: 6.99 min Scan# 645

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

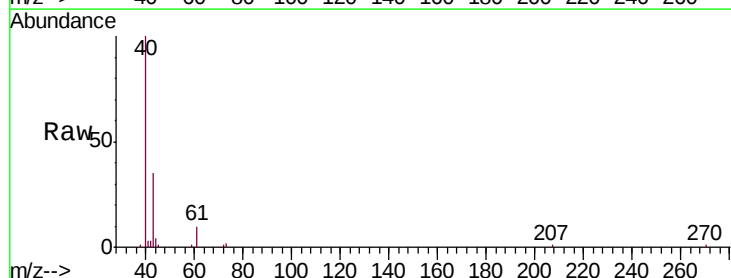
Tgt Ion: 43 Resp: 12004

Ion Ratio Lower Upper

43 100

61 28.6 27.0 40.4

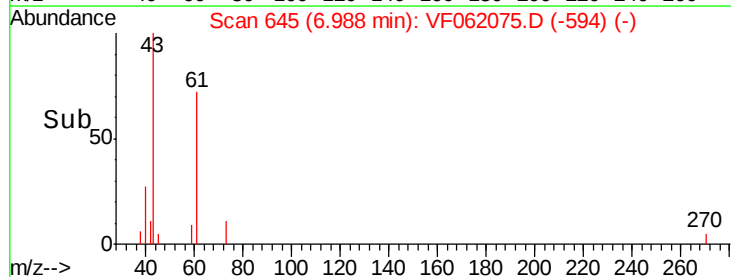
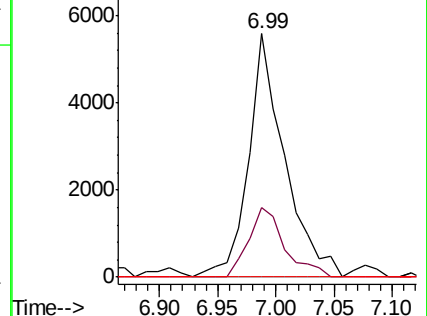
87 0.0 0.4 0.6#

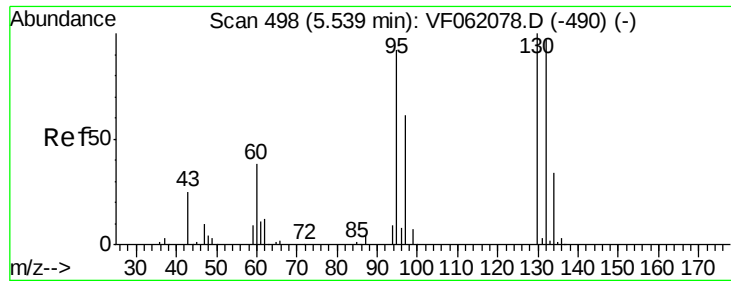


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

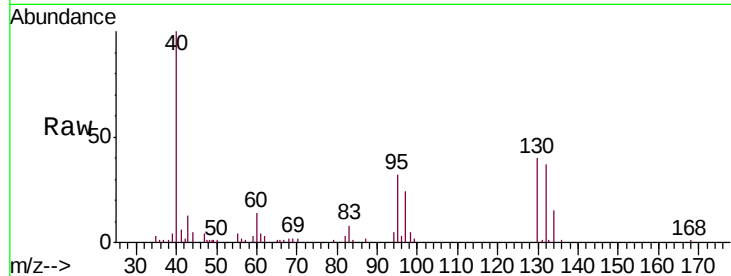




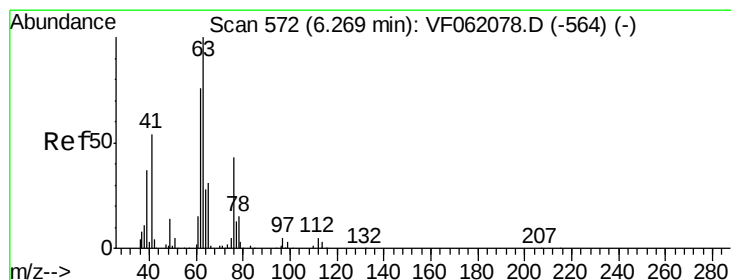
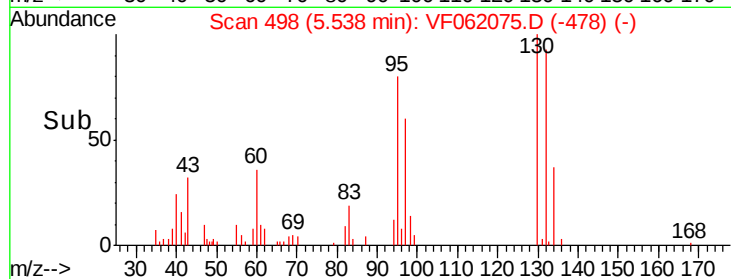
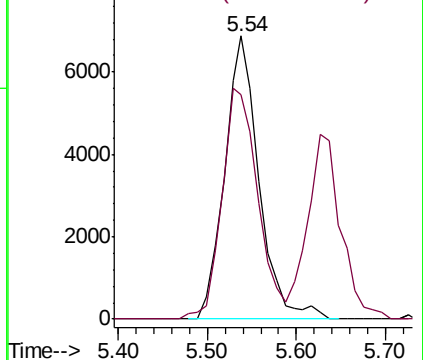
#44
 Trichloroethene
 Concen: 5.132 ug/l
 RT: 5.54 min Scan# 498
 Delta R.T. -0.00 min
 Lab File: VF062075.D
 Acq: 22 Mar 2019 10:35

Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

Tgt Ion: 130 Resp: 18454
 Ion Ratio Lower Upper
 130 100
 95 79.5 0.0 183.4

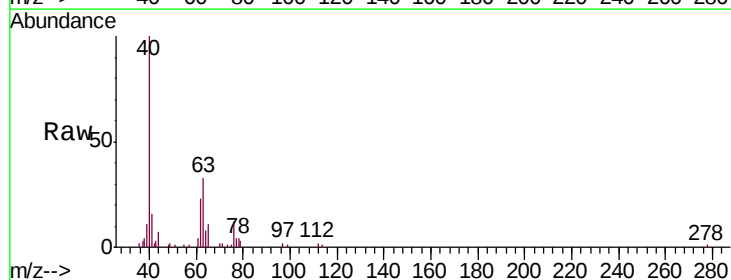


Abundance Ion 129.90 (129.60 to 130.60): VF0
 Ion 94.90 (94.60 to 95.60): VF0

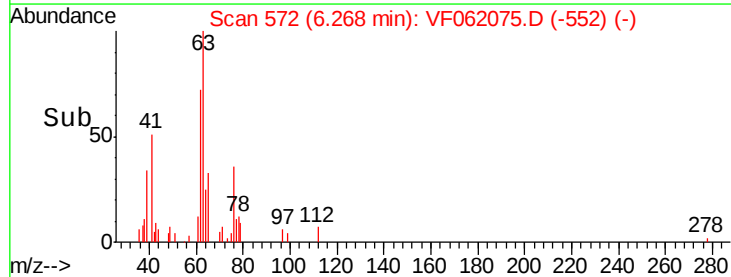
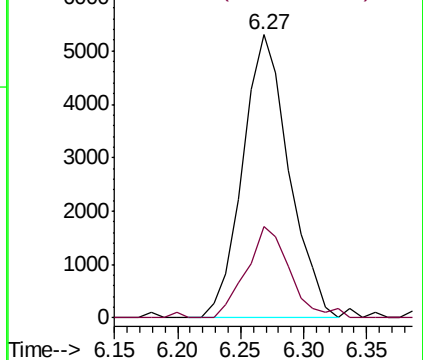


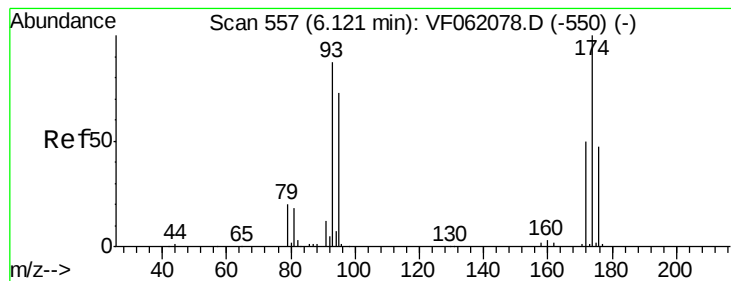
#45
 1,2-Dichloropropane
 Concen: 4.843 ug/l
 RT: 6.27 min Scan# 572
 Delta R.T. -0.00 min
 Lab File: VF062075.D
 Acq: 22 Mar 2019 10:35

Tgt Ion: 63 Resp: 13588
 Ion Ratio Lower Upper
 63 100
 65 32.5 24.9 37.3



Abundance Ion 63.00 (62.70 to 63.70): VF0
 Ion 65.00 (64.70 to 65.70): VF0





#46

Dibromomethane

Concen: 5.152 ug/l

RT: 6.12 min Scan# 557

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Instrument :

MSVOA_F

ClientSampleId :

BFB

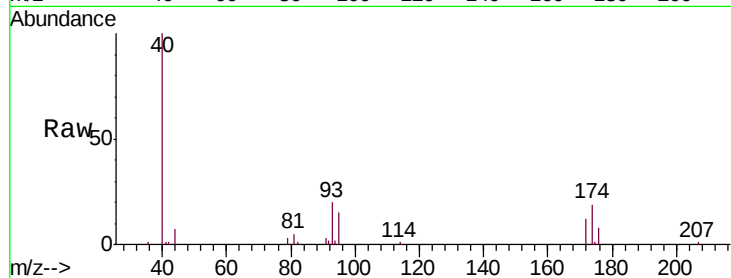
Tgt Ion: 93 Resp: 8837

Ion Ratio Lower Upper

93 100

95 74.6 67.4 101.2

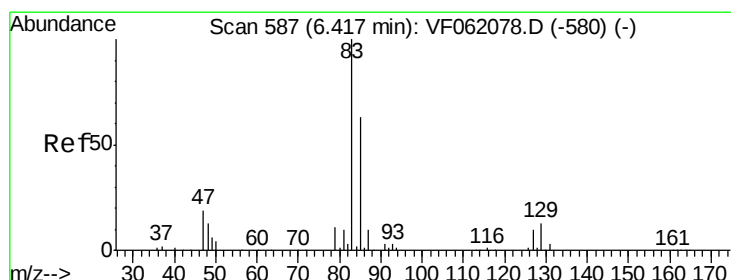
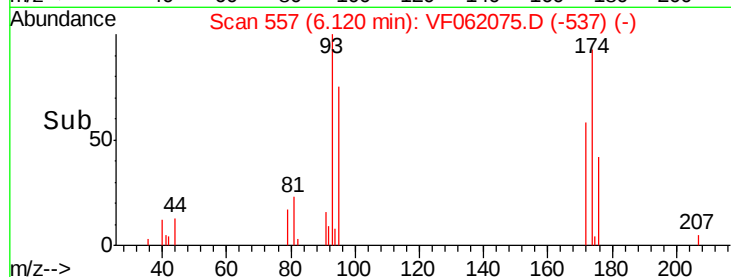
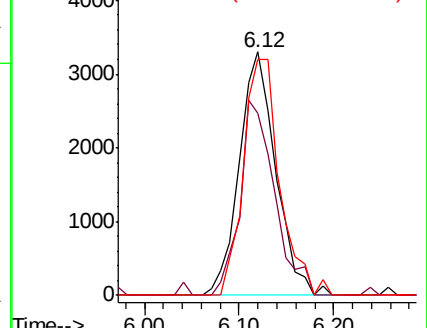
174 96.8 92.0 138.0



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V



#47

Bromodichloromethane

Concen: 4.726 ug/l

RT: 6.42 min Scan# 587

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

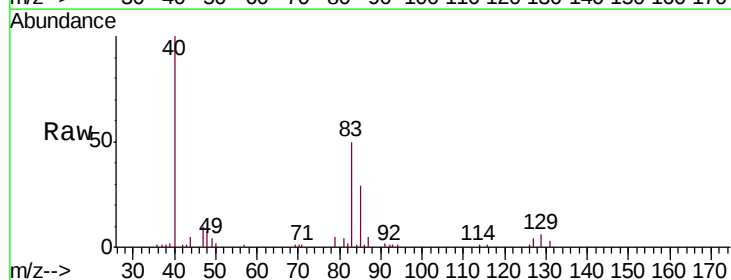
Tgt Ion: 83 Resp: 17958

Ion Ratio Lower Upper

83 100

85 58.2 50.7 76.1

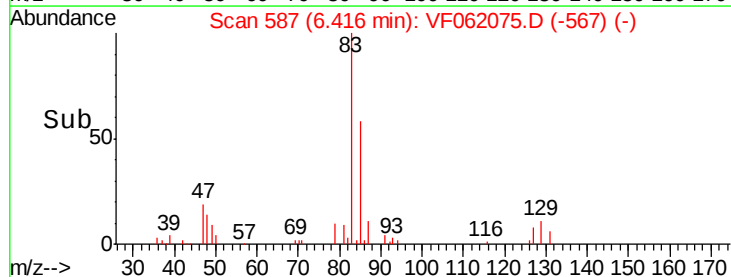
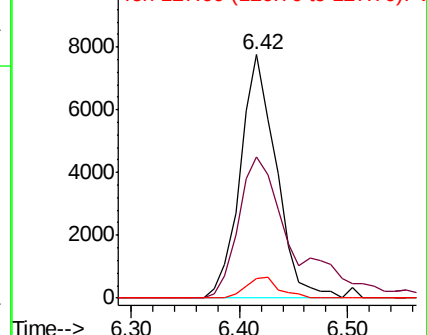
127 8.2 7.8 11.6

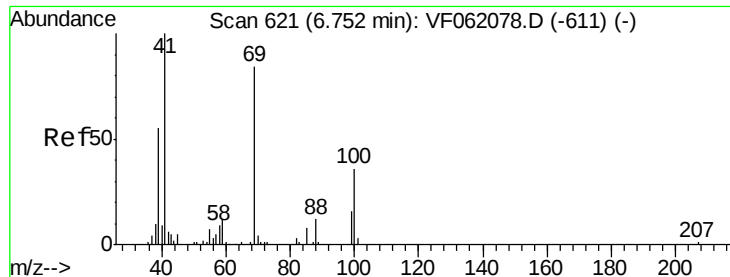


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V

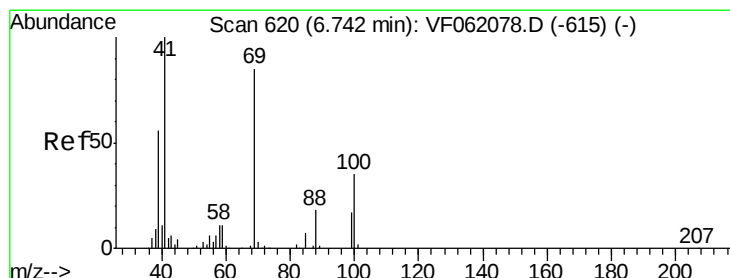
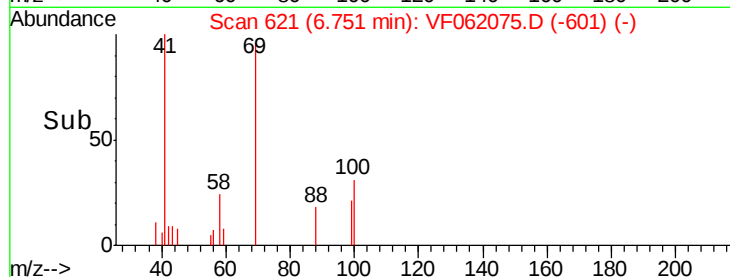
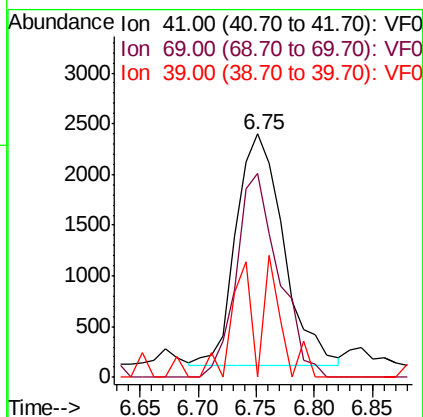
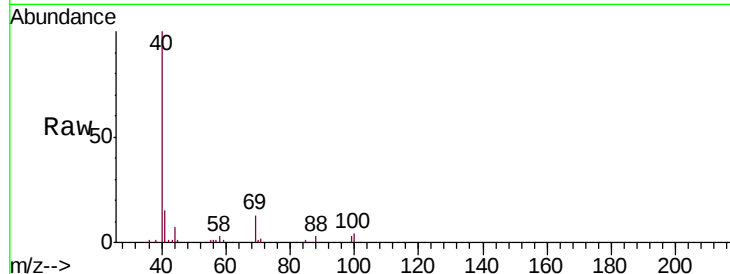




#48
Methyl methacrylate
Concen: 4.876 ug/l
RT: 6.75 min Scan# 621
Delta R.T. -0.00 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

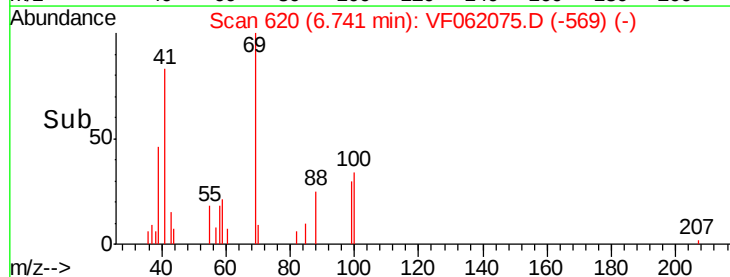
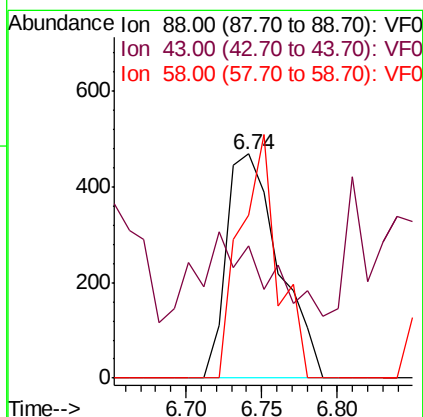
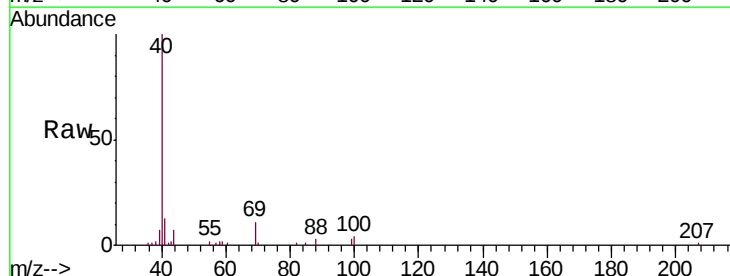
Instrument :
MSVOA_F
ClientSampleId :
BFB

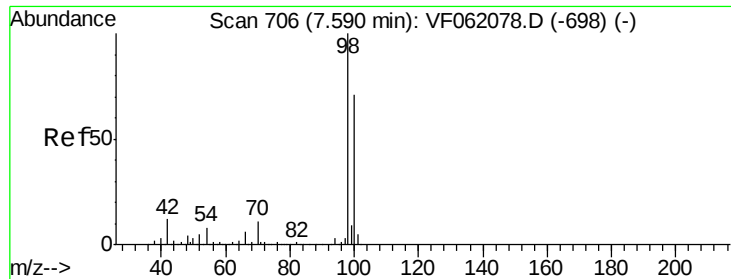
Tgt Ion: 41 Resp: 6447
Ion Ratio Lower Upper
41 100
69 83.8 66.6 100.0
39 0.0 43.6 65.4#



#49
1,4-Dioxane
Concen: 97.829 ug/l
RT: 6.74 min Scan# 620
Delta R.T. -0.00 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Tgt Ion: 88 Resp: 1135
Ion Ratio Lower Upper
88 100
43 59.3 35.0 52.4#
58 72.7 49.9 74.9

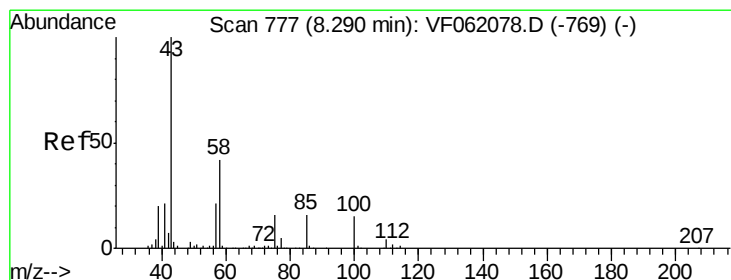
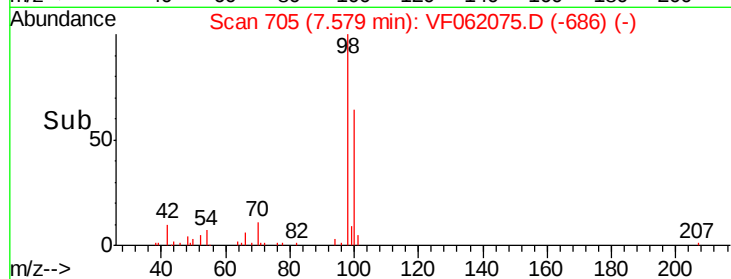
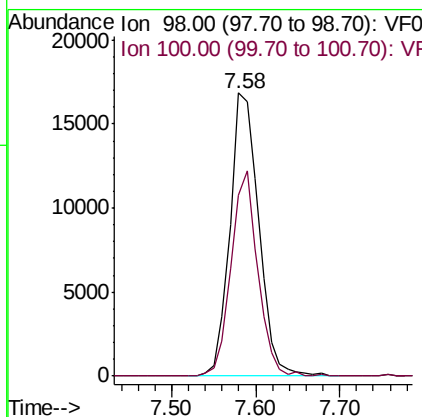
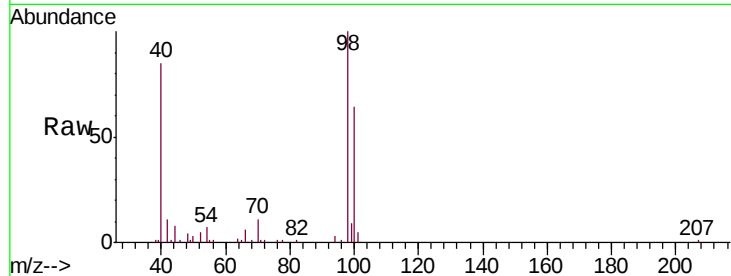




#50
Toluene-d8
Concen: 4.328 ug/l
RT: 7.58 min Scan# 705
Delta R.T. -0.01 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

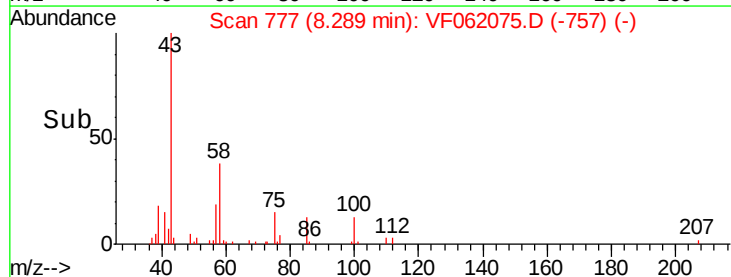
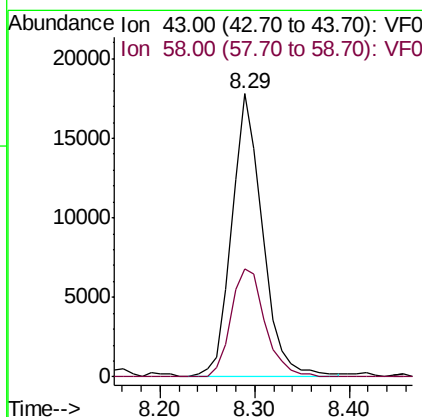
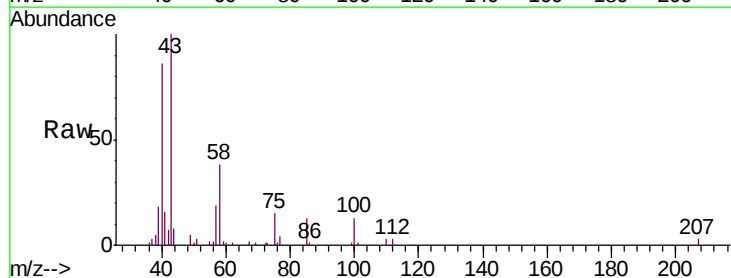
Instrument :
MSVOA_F
ClientSampleId :
BFB

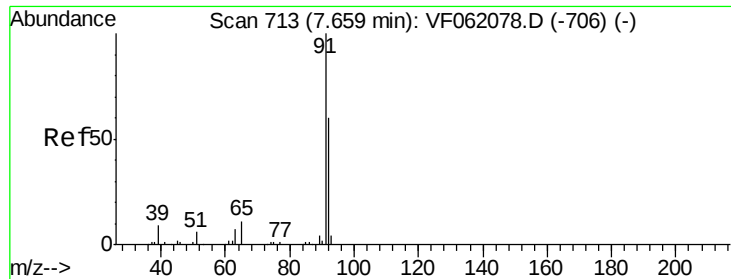
Tgt Ion: 98 Resp: 40258
Ion Ratio Lower Upper
98 100
100 63.9 57.0 85.6



#51
4-Methyl-2-Pentanone
Concen: 25.947 ug/l
RT: 8.29 min Scan# 777
Delta R.T. -0.00 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Tgt Ion: 43 Resp: 40329
Ion Ratio Lower Upper
43 100
58 37.9 33.8 50.8





#52

Toluene

Concen: 4.898 ug/l

RT: 7.65 min Scan# 712

Delta R.T. -0.01 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Instrument :

MSVOA_F

ClientSampled :

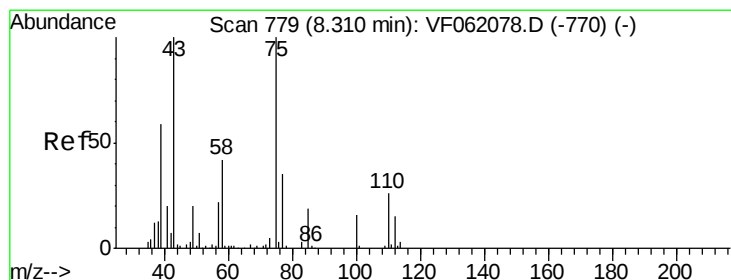
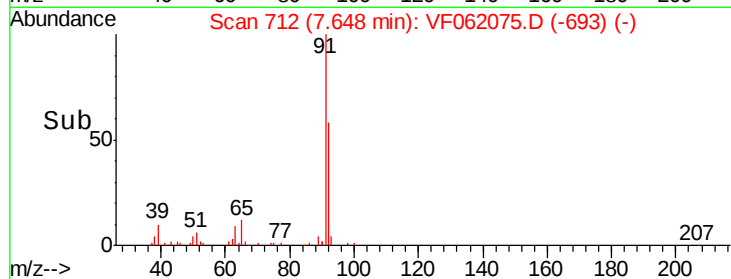
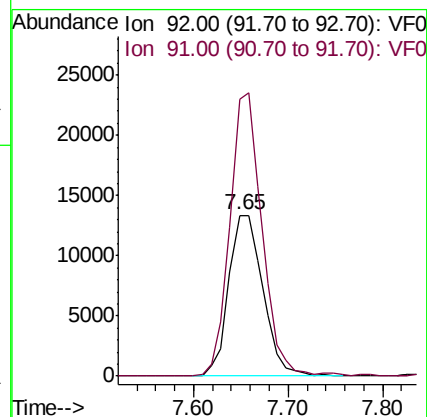
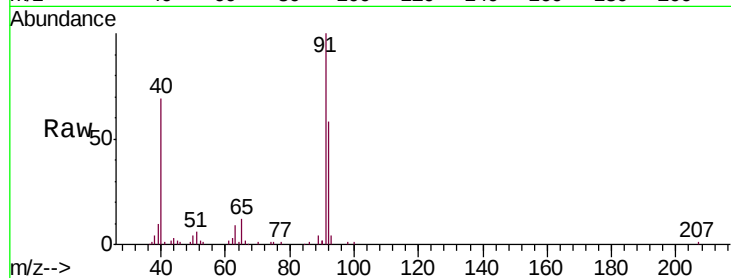
BFB

Tgt Ion: 92 Resp: 33371

Ion Ratio Lower Upper

92 100

91 172.2 134.1 201.1



#53

t-1,3-Dichloropropene

Concen: 4.888 ug/l

RT: 8.31 min Scan# 779

Delta R.T. -0.00 min

Lab File: VF062075.D

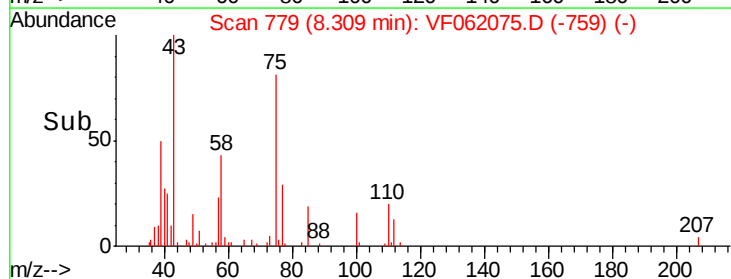
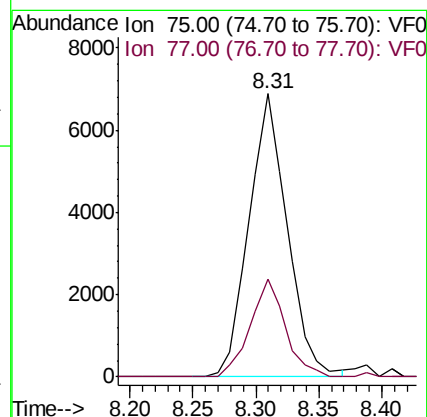
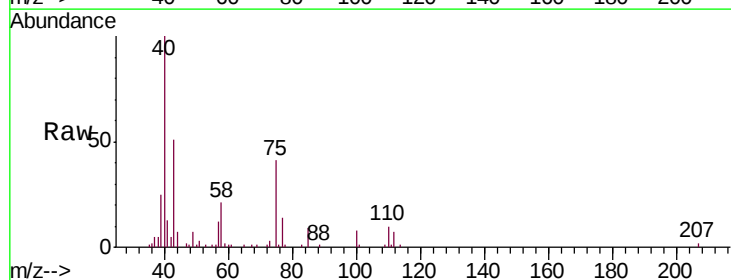
Acq: 22 Mar 2019 10:35

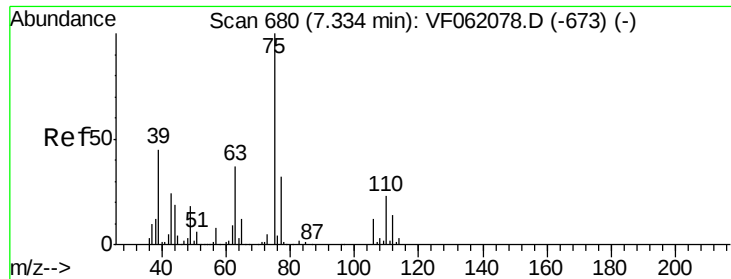
Tgt Ion: 75 Resp: 14578

Ion Ratio Lower Upper

75 100

77 34.4 28.0 42.0





#54

cis-1,3-Dichloropropene

Concen: 4.593 ug/l

RT: 7.33 min Scan# 680

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Instrument :

MSVOA_F

ClientSampleId :

BFB

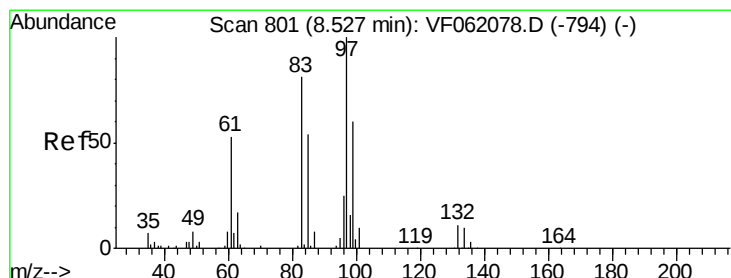
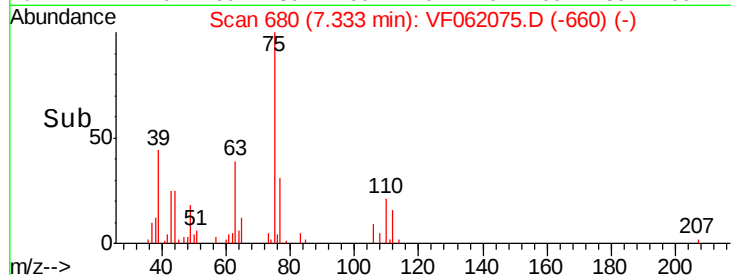
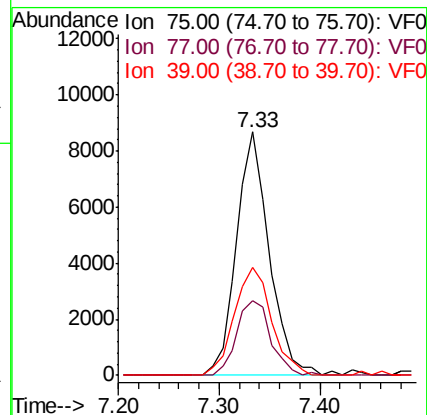
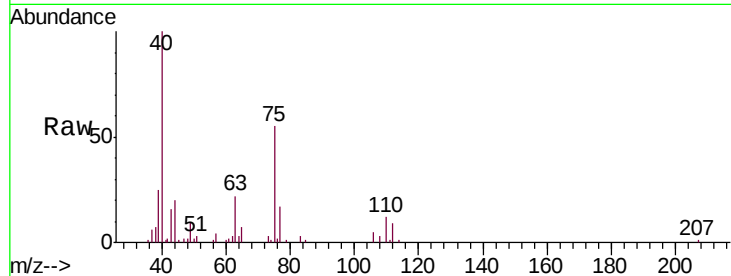
Tgt Ion: 75 Resp: 19603

Ion Ratio Lower Upper

75 100

77 30.6 25.8 38.6

39 44.5 35.9 53.9



#55

1,1,2-Trichloroethane

Concen: 4.787 ug/l

RT: 8.53 min Scan# 801

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Tgt Ion: 97 Resp: 9263

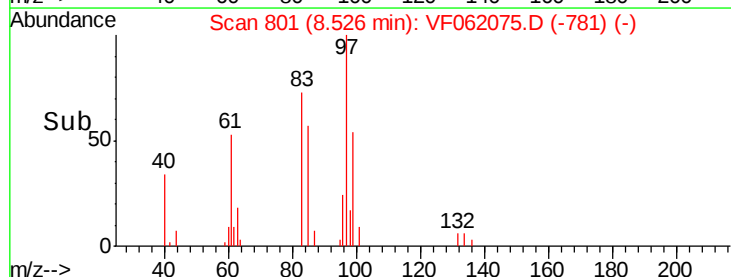
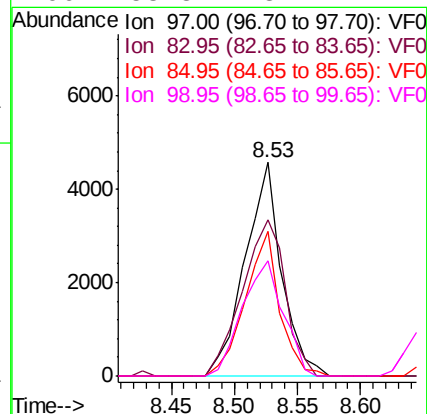
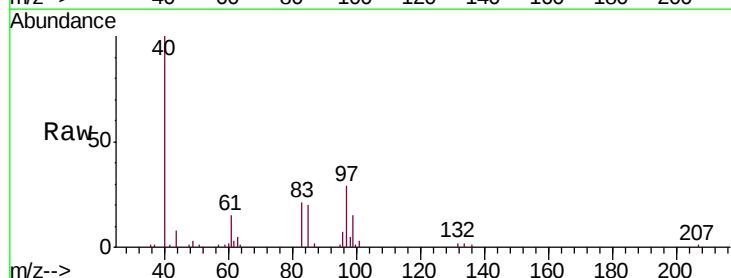
Ion Ratio Lower Upper

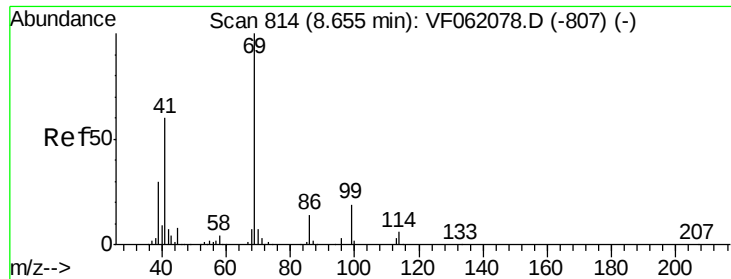
97 100

83 73.4 64.6 97.0

85 68.0 43.6 65.4#

99 53.8 48.2 72.2





#56

Ethyl methacrylate

Concen: 4.962 ug/l

RT: 8.65 min Scan# 814

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Instrument :

MSVOA_F

ClientSampleId :

BFB

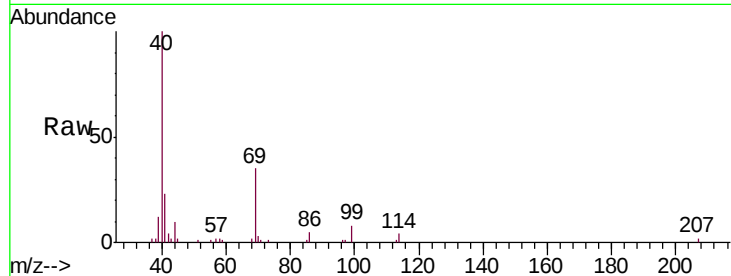
Tgt Ion: 69 Resp: 11452

Ion Ratio Lower Upper

69 100

41 65.4 48.2 72.2

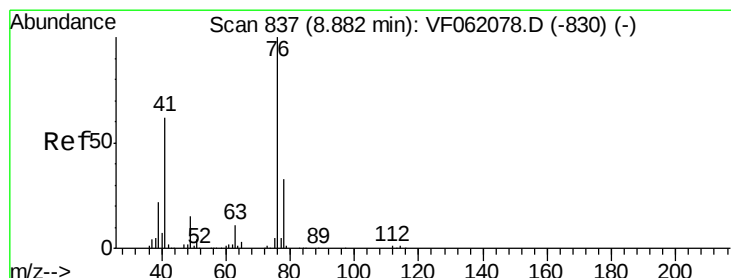
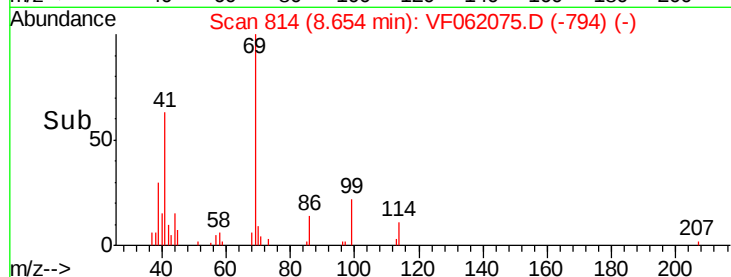
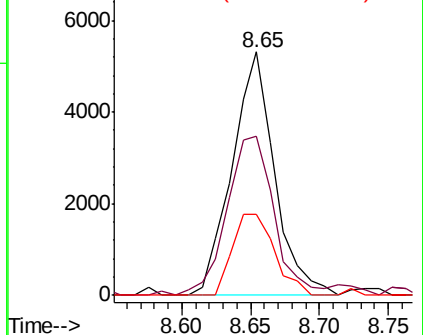
39 33.1 24.0 36.0



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: 4.570 ug/l

RT: 8.88 min Scan# 837

Delta R.T. -0.00 min

Lab File: VF062075.D

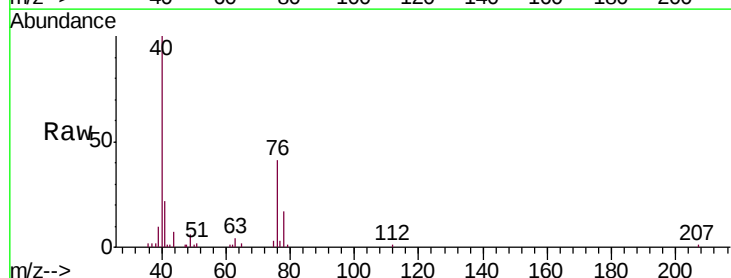
Acq: 22 Mar 2019 10:35

Tgt Ion: 76 Resp: 14679

Ion Ratio Lower Upper

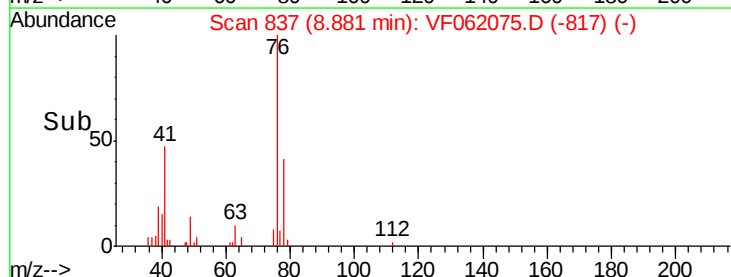
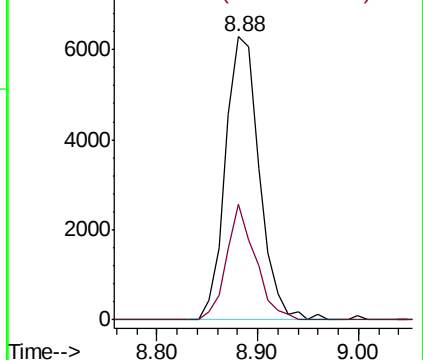
76 100

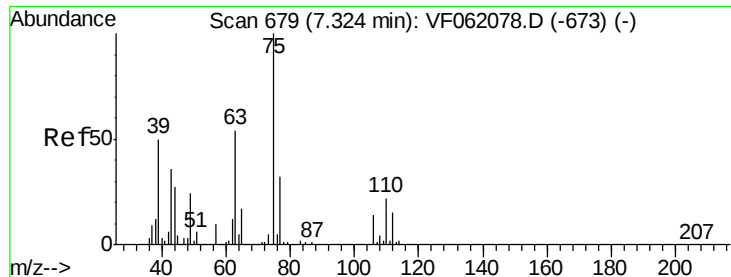
78 40.8 26.6 39.8#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

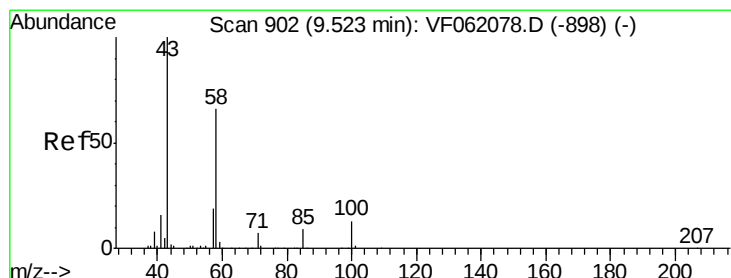
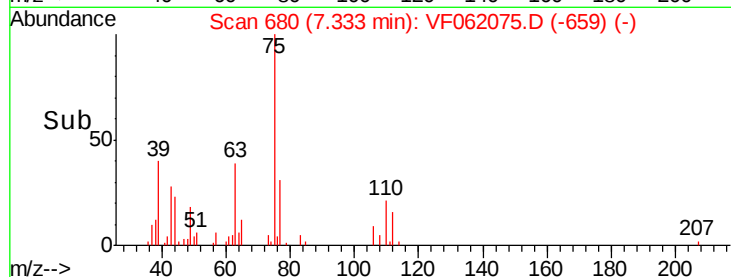
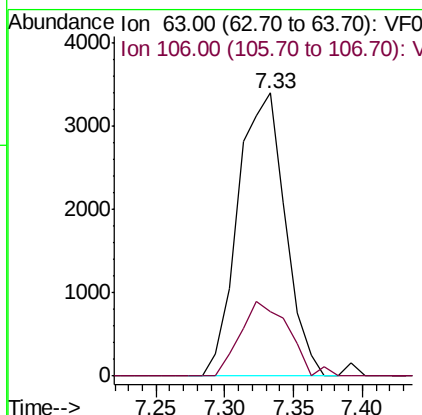
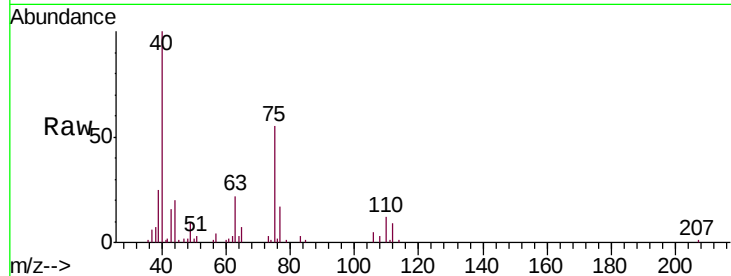




#58
 2-Chloroethyl Vinyl ether
 Concen: 23.158 ug/l
 RT: 7.33 min Scan# 680
 Delta R.T. 0.01 min
 Lab File: VF062075.D
 Acq: 22 Mar 2019 10:35

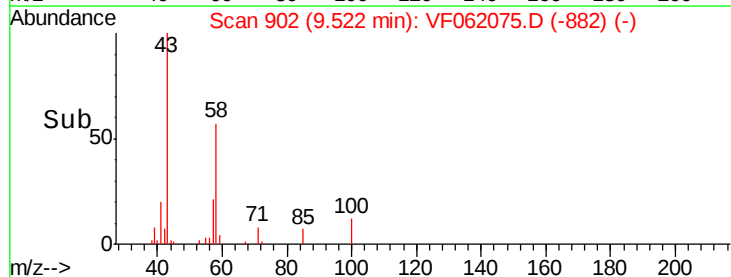
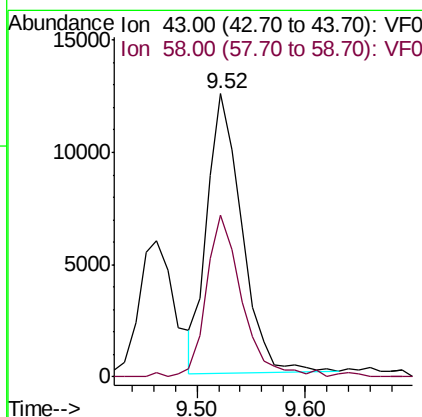
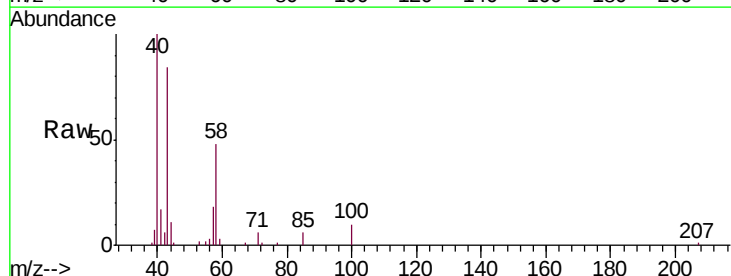
Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

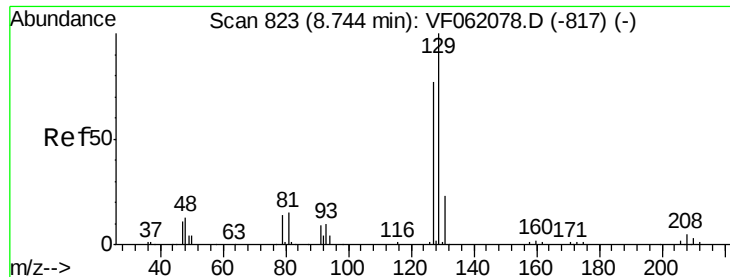
Tgt Ion: 63 Resp: 8110
 Ion Ratio Lower Upper
 63 100
 106 22.6 21.5 32.3



#59
 2-Hexanone
 Concen: 24.329 ug/l
 RT: 9.52 min Scan# 902
 Delta R.T. -0.00 min
 Lab File: VF062075.D
 Acq: 22 Mar 2019 10:35

Tgt Ion: 43 Resp: 27714
 Ion Ratio Lower Upper
 43 100
 58 57.0 28.8 86.4





#60

Dibromochloromethane

Concen: 4.669 ug/l

RT: 8.74 min Scan# 823

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Instrument :

MSVOA_F

ClientSampleId :

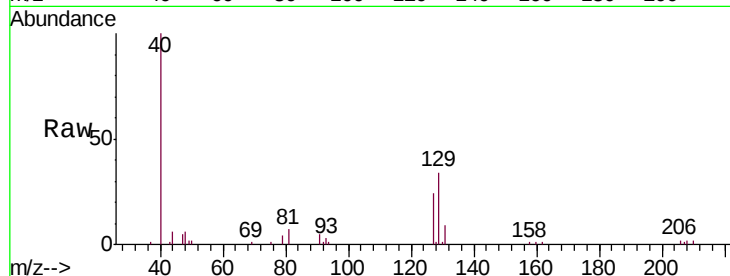
BFB

Tgt Ion:129 Resp: 12561

Ion Ratio Lower Upper

129 100

127 70.8 38.7 116.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.74

6000

5000

4000

3000

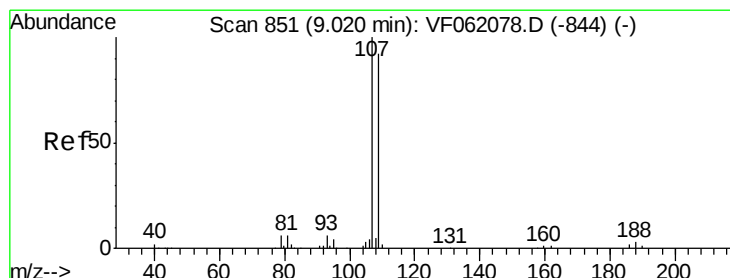
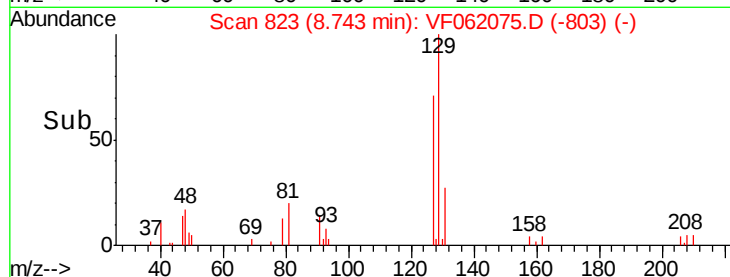
2000

1000

0

8.65 8.70 8.75 8.80

Time-->



#61

1,2-Dibromoethane

Concen: 4.463 ug/l

RT: 9.02 min Scan# 851

Delta R.T. -0.00 min

Lab File: VF062075.D

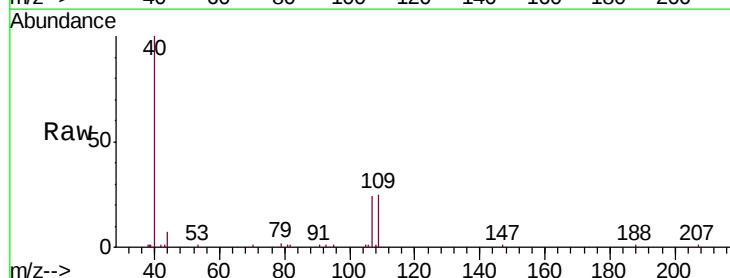
Acq: 22 Mar 2019 10:35

Tgt Ion:107 Resp: 9214

Ion Ratio Lower Upper

107 100

109 107.6 73.4 110.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.02

4000

3000

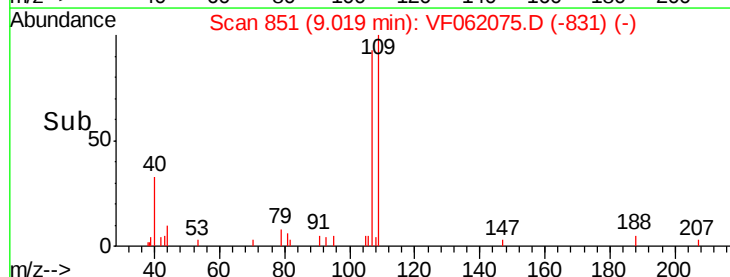
2000

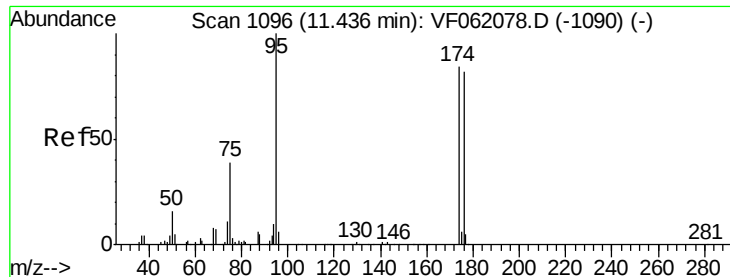
1000

0

8.95 9.00 9.05 9.10

Time-->





#62

4-Bromofluorobenzene

Concen: 4.532 ug/l

RT: 11.44 min Scan# 1096

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Instrument :

MSVOA_F

ClientSampled :

BFB

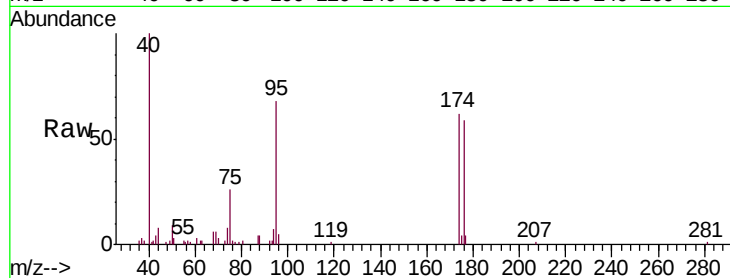
Tgt Ion: 95 Resp: 16275

Ion Ratio Lower Upper

95 100

174 91.7 0.0 168.2

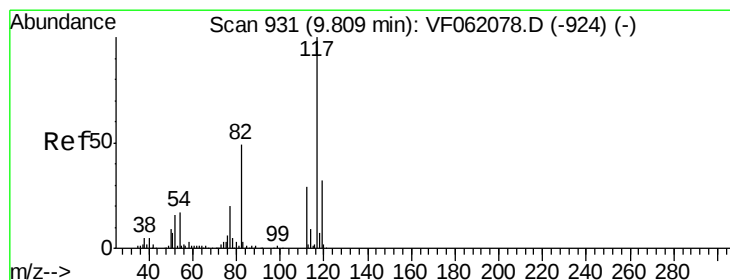
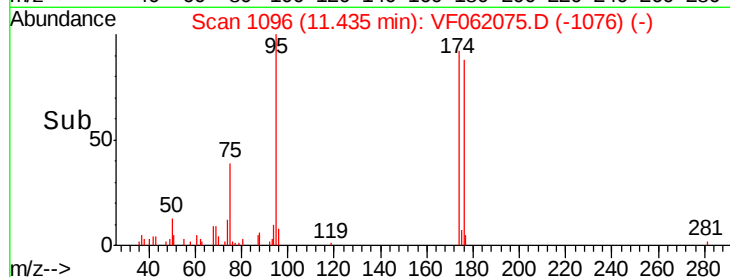
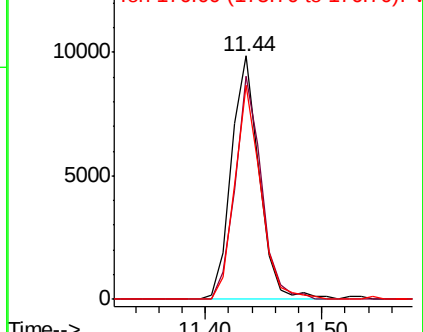
176 87.7 0.0 164.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.81 min Scan# 931

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

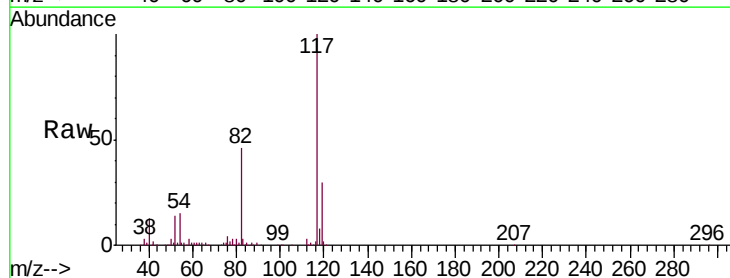
Tgt Ion: 117 Resp: 385983

Ion Ratio Lower Upper

117 100

82 46.1 39.2 58.8

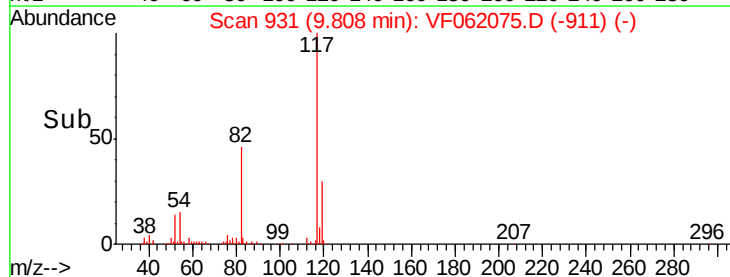
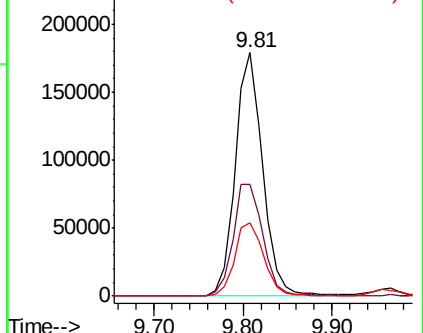
119 30.3 25.4 38.2

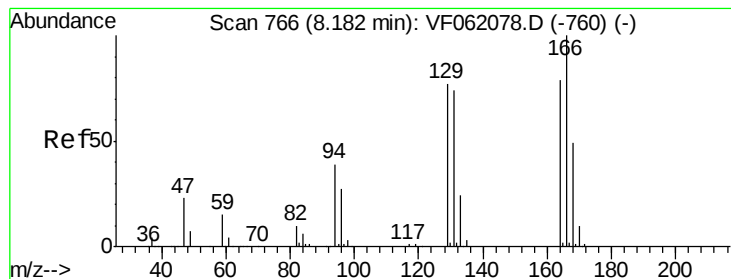


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#64

Tetrachloroethene

Concen: 5.102 ug/l

RT: 8.19 min Scan# 767

Delta R.T. 0.01 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Instrument :

MSVOA_F

ClientSampleId :

BFB

Tgt Ion:164 Resp: 15214

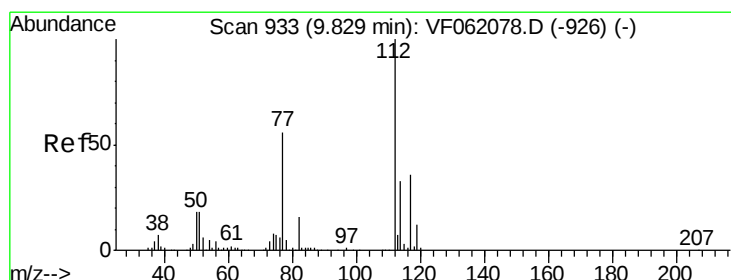
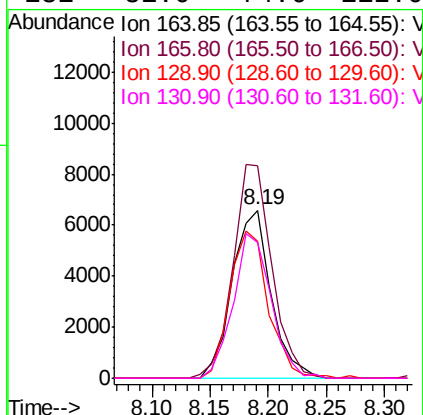
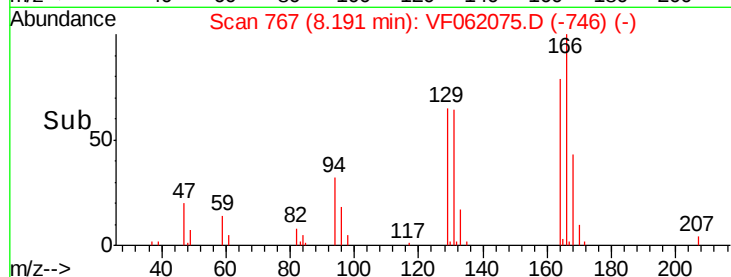
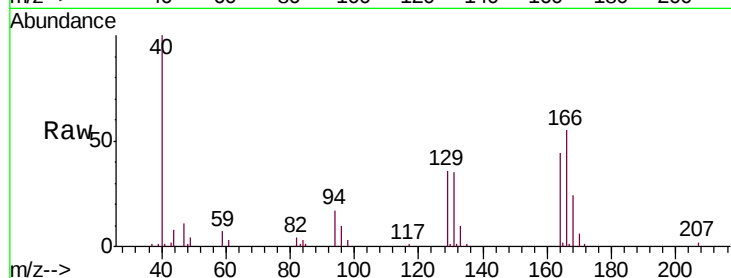
Ion Ratio Lower Upper

164 100

166 126.5 100.9 151.3

129 81.7 77.9 116.9

131 81.0 74.6 112.0



#65

Chlorobenzene

Concen: 5.102 ug/l

RT: 9.83 min Scan# 933

Delta R.T. -0.00 min

Lab File: VF062075.D

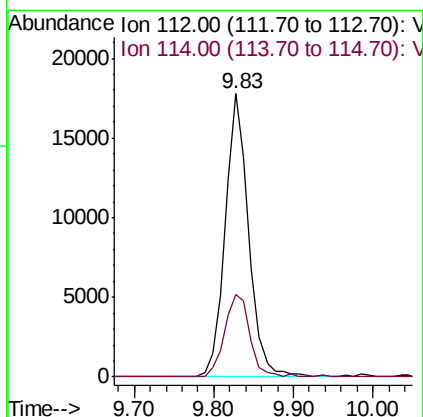
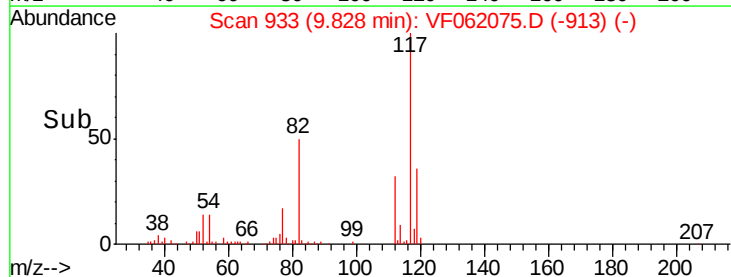
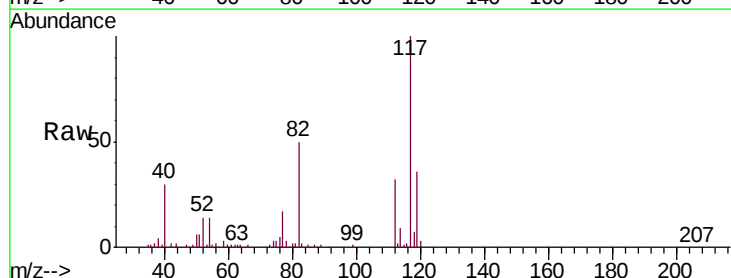
Acq: 22 Mar 2019 10:35

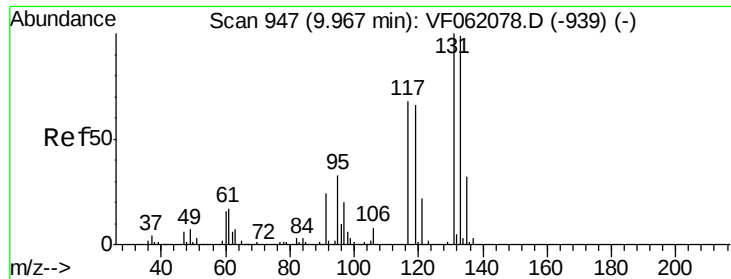
Tgt Ion:112 Resp: 36844

Ion Ratio Lower Upper

112 100

114 29.2 26.0 39.0





#66

1,1,1,2-Tetrachloroethane

Concen: 4.965 ug/l

RT: 9.96 min Scan# 946

Delta R.T. -0.01 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Instrument :

MSVOA_F

ClientSampled :

BFB

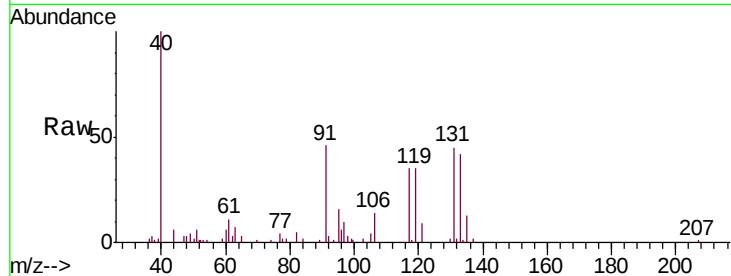
Tgt Ion:131 Resp: 14402

Ion Ratio Lower Upper

131 100

133 92.2 49.3 147.8

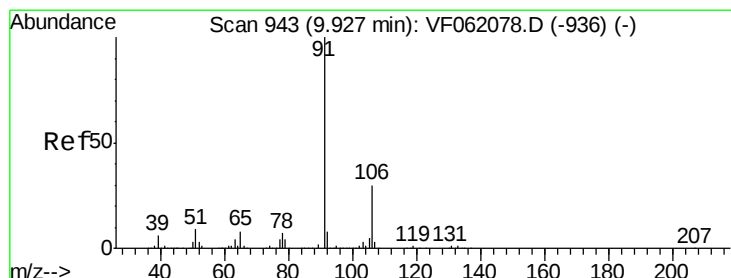
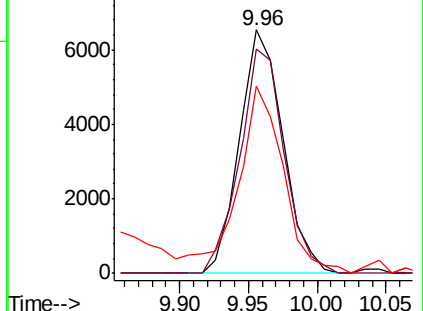
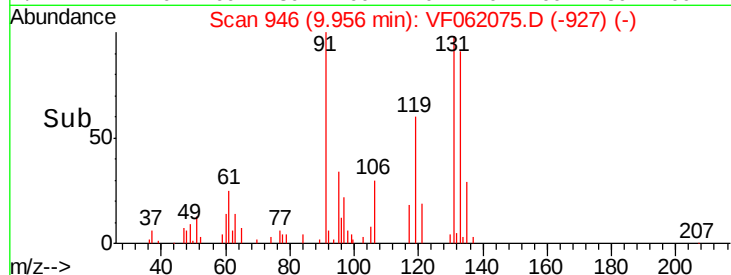
119 77.1 33.5 100.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#67

Ethyl Benzene

Concen: 5.119 ug/l

RT: 9.93 min Scan# 943

Delta R.T. -0.00 min

Lab File: VF062075.D

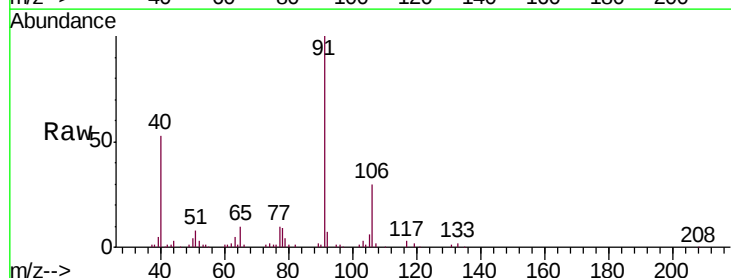
Acq: 22 Mar 2019 10:35

Tgt Ion: 91 Resp: 64294

Ion Ratio Lower Upper

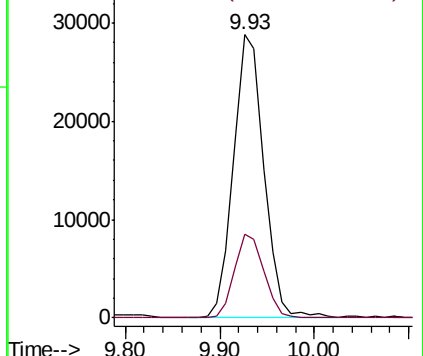
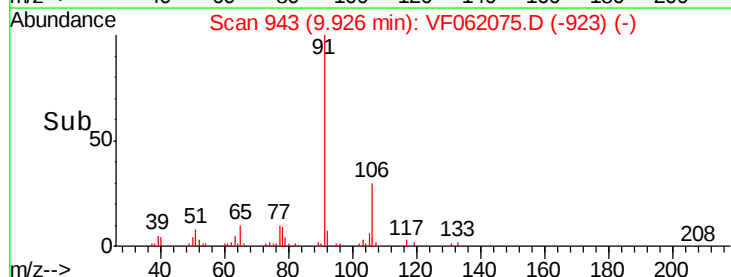
91 100

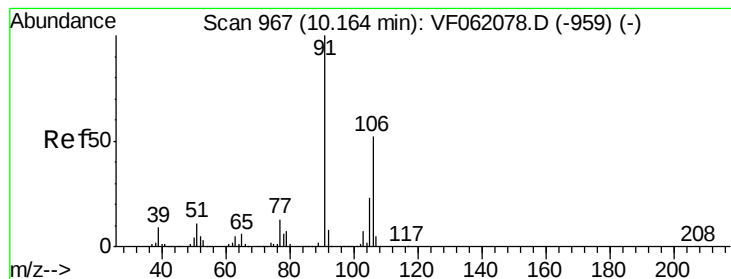
106 29.7 24.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 10.077 ug/l

RT: 10.16 min Scan# 967

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Instrument :

MSVOA_F

ClientSampleId :

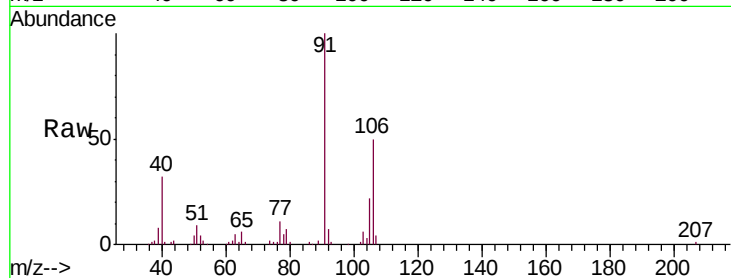
BFB

Tgt Ion:106 Resp: 47306

Ion Ratio Lower Upper

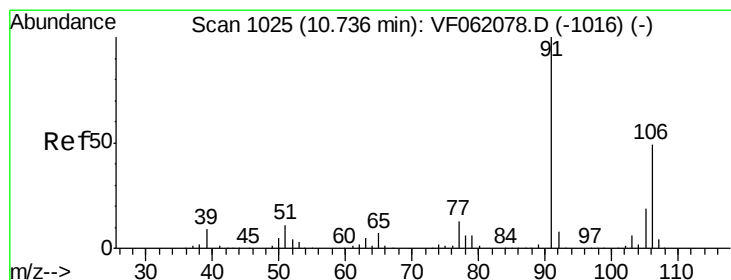
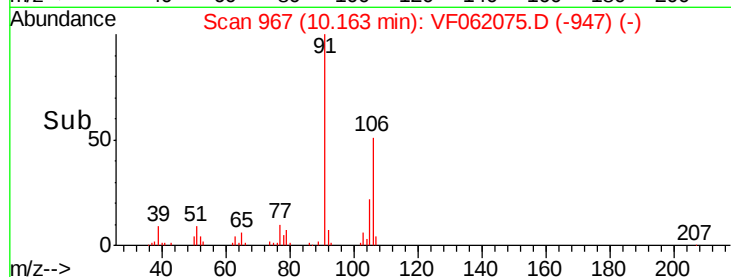
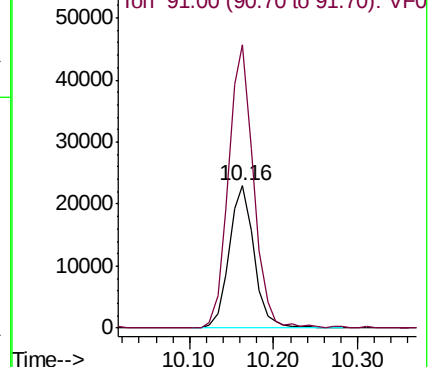
106 100

91 198.9 154.4 231.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#69

o-Xylene

Concen: 4.752 ug/l

RT: 10.73 min Scan# 1025

Delta R.T. -0.00 min

Lab File: VF062075.D

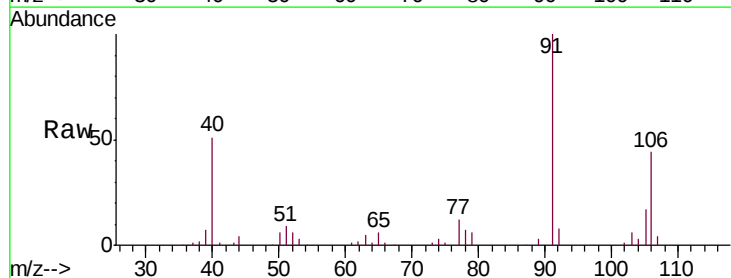
Acq: 22 Mar 2019 10:35

Tgt Ion:106 Resp: 23363

Ion Ratio Lower Upper

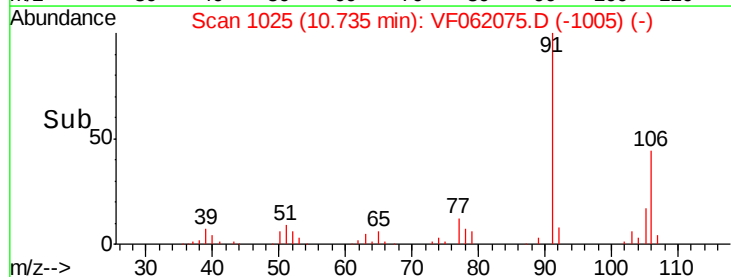
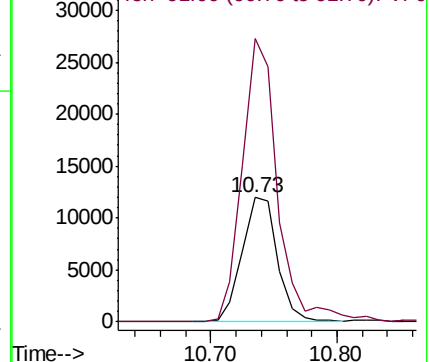
106 100

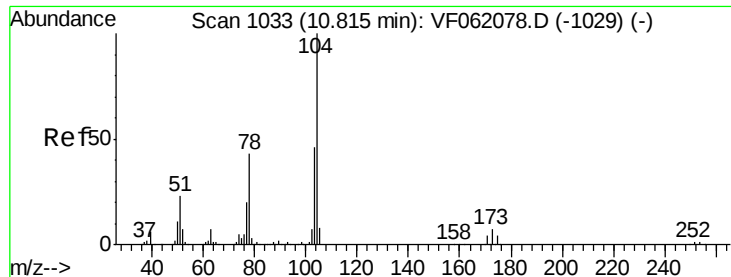
91 227.7 102.6 307.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

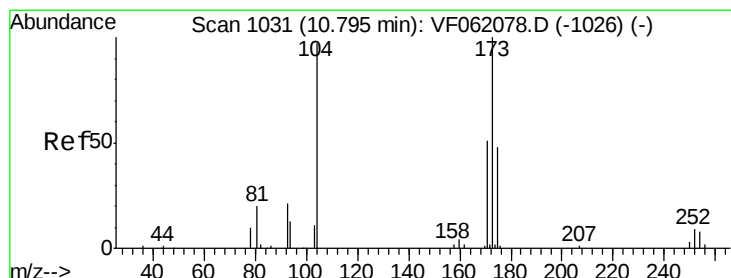
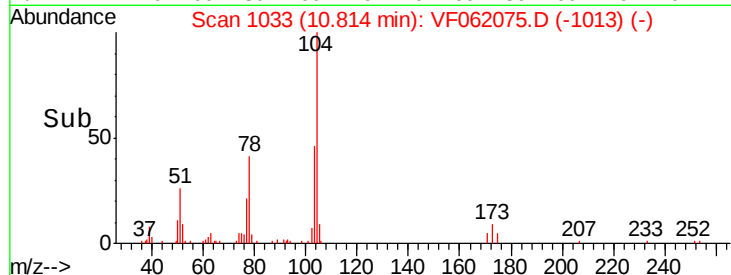
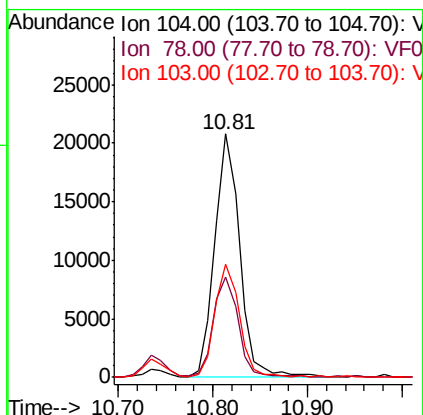
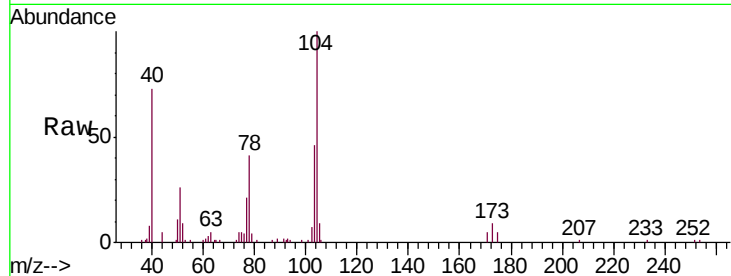




#70
Styrene
Concen: 5.157 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. -0.00 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

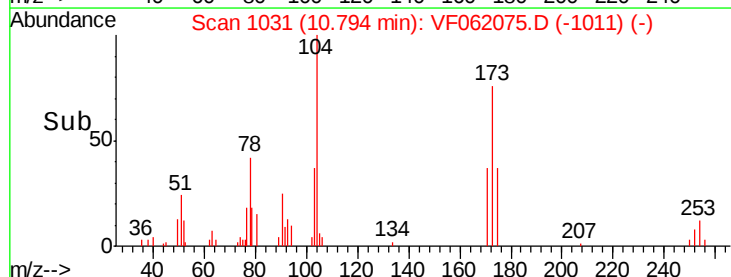
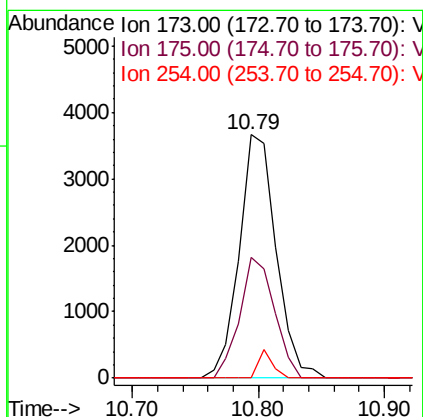
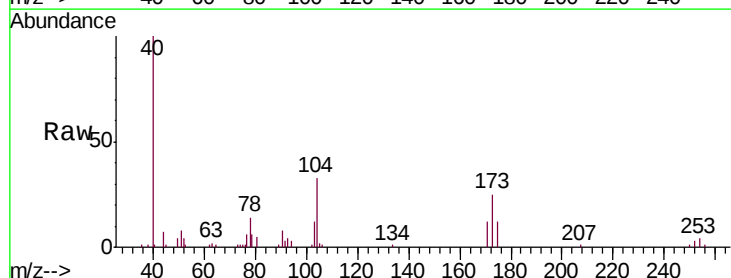
Instrument :
MSVOA_F
ClientSampled :
BFB

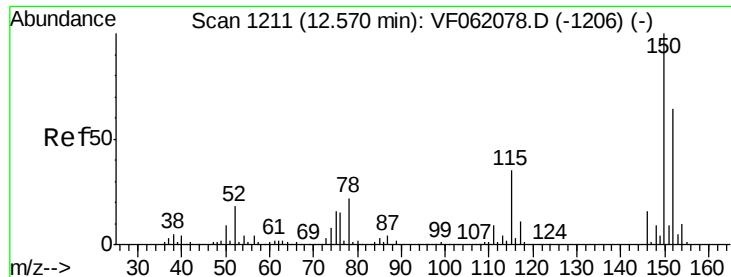
Tgt Ion:104 Resp: 38414
Ion Ratio Lower Upper
104 100
78 41.3 34.3 51.5
103 46.3 36.9 55.3



#71
Bromoform
Concen: 5.007 ug/l
RT: 10.79 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Tgt Ion:173 Resp: 7429
Ion Ratio Lower Upper
173 100
175 49.5 24.1 72.4
254 0.0 6.2 9.4#



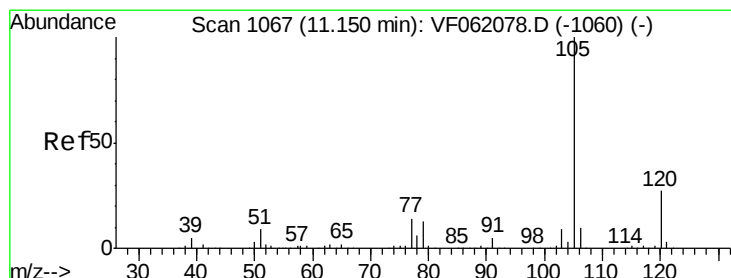
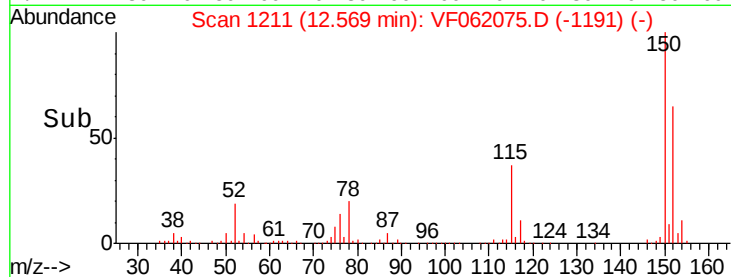
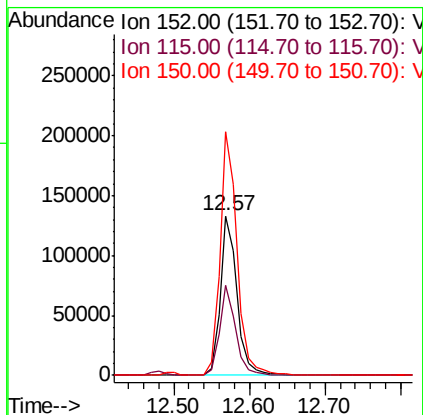
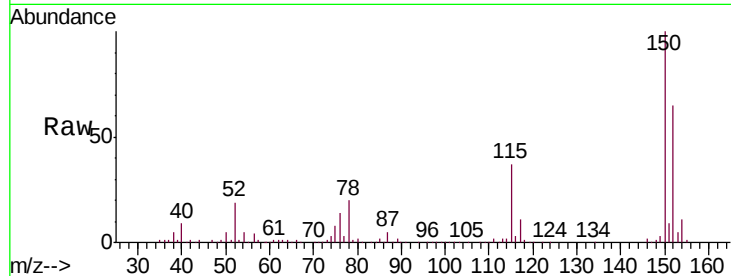


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.57 min Scan# 1211
Delta R.T. -0.00 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Instrument :
MSVOA_F
ClientSampled :
BFB

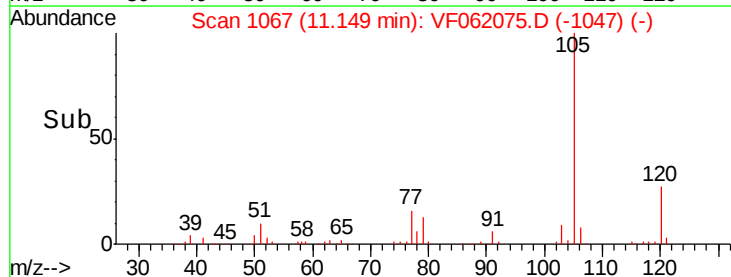
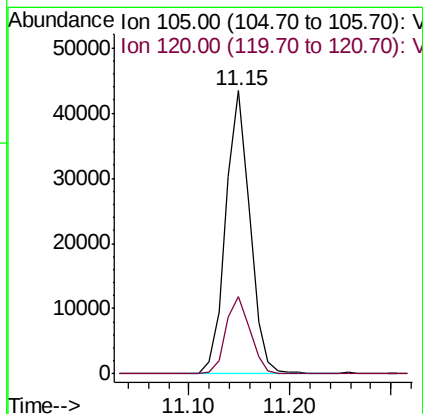
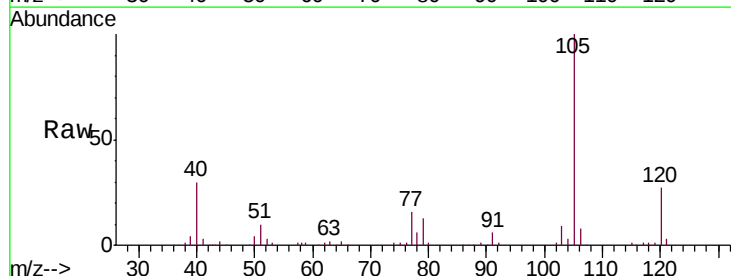
Tgt Ion:152 Resp: 206052
Ion Ratio Lower Upper
152 100
115 56.4 27.7 83.1
150 152.9 0.0 313.2

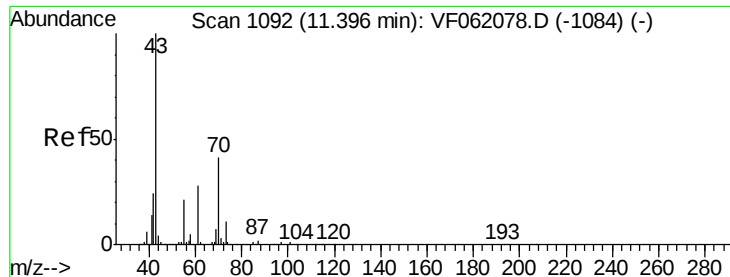


#73

Isopropylbenzene
Concen: 5.010 ug/l
RT: 11.15 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Tgt Ion:105 Resp: 72637
Ion Ratio Lower Upper
105 100
120 27.3 13.8 41.3





#74

N-ethyl acetate

Concen: 4.606 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Instrument :

MSVOA_F

ClientSampleId :

BFB

Tgt Ion: 43 Resp: 15913

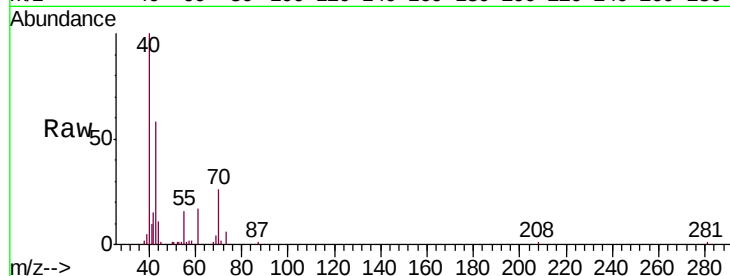
Ion Ratio Lower Upper

43 100

70 45.6 32.9 49.3

55 27.8 17.1 25.7#

61 30.2 22.2 33.2

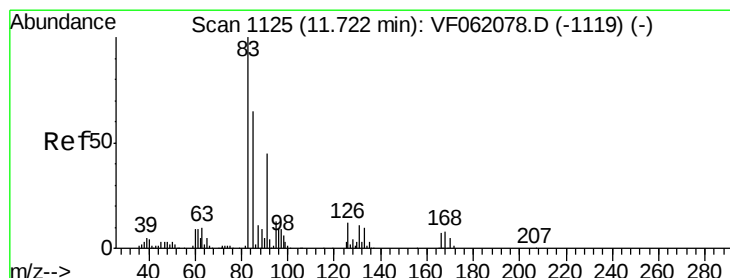
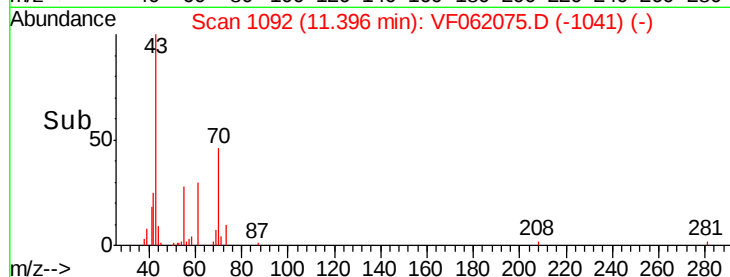
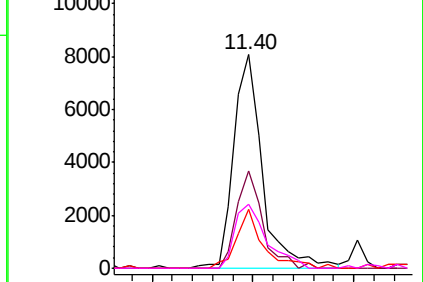


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#75

1,1,2,2-Tetrachloroethane

Concen: 5.208 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

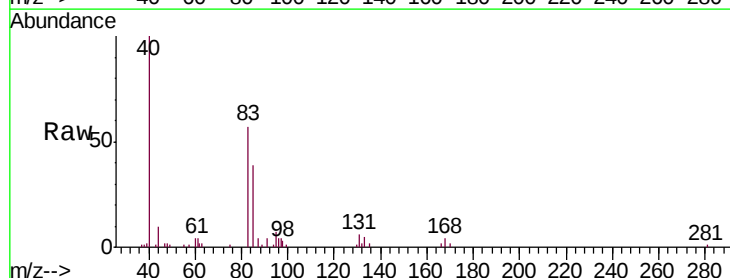
Tgt Ion: 83 Resp: 12966

Ion Ratio Lower Upper

83 100

131 10.2 5.3 15.8

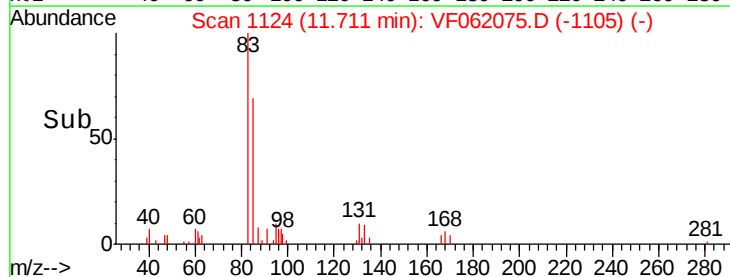
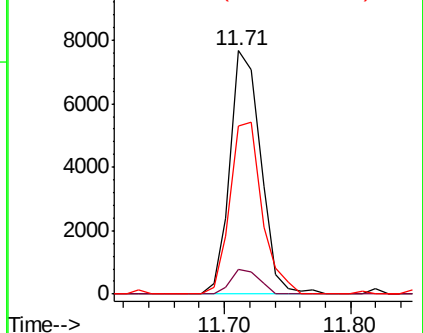
85 69.2 32.6 98.0

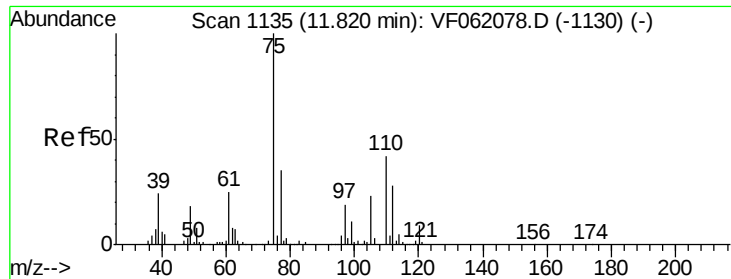


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0

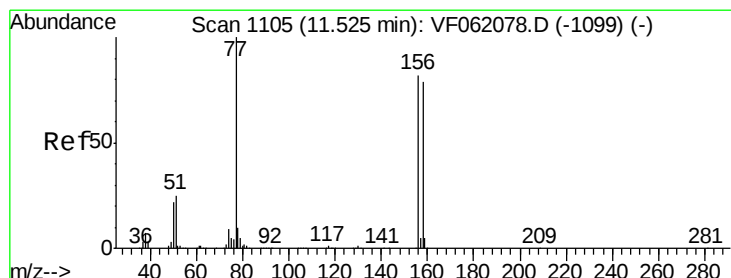
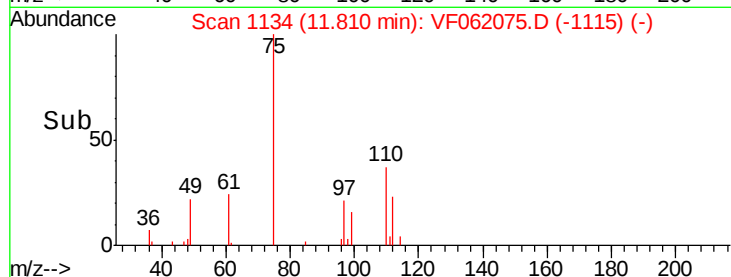
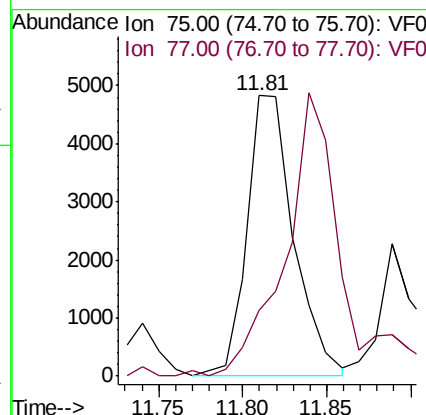
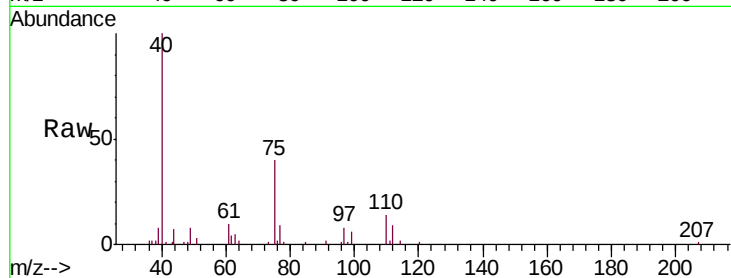




#76
 1,2,3-Trichloropropane
 Concen: 5.316 ug/l
 RT: 11.81 min Scan# 1134
 Delta R.T. -0.01 min
 Lab File: VF062075.D
 Acq: 22 Mar 2019 10:35

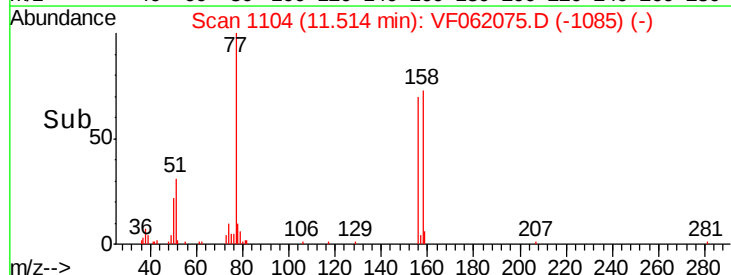
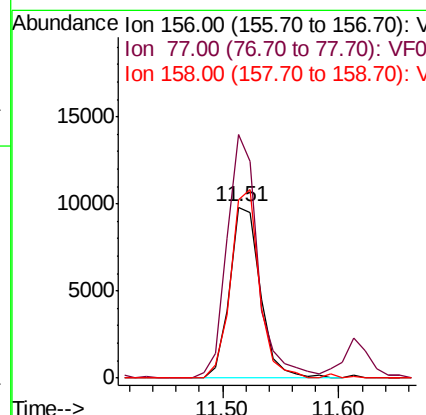
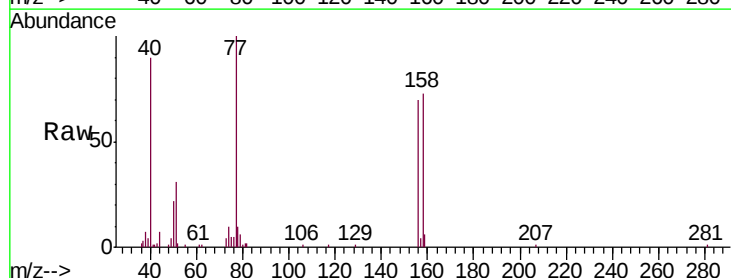
Instrument :
 MSVOA_F
 ClientSampled :
 BFB

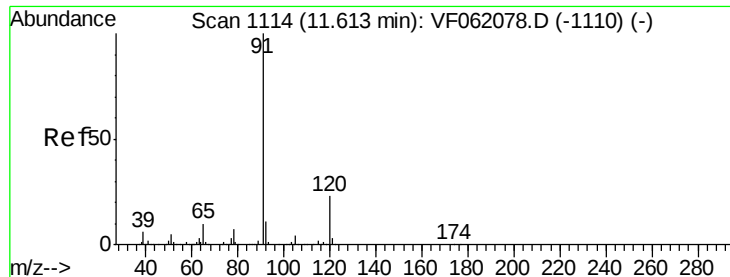
Tgt Ion: 75 Resp: 9313
 Ion Ratio Lower Upper
 75 100
 77 23.3 17.8 53.3



#77
 Bromobenzene
 Concen: 5.076 ug/l
 RT: 11.51 min Scan# 1104
 Delta R.T. -0.01 min
 Lab File: VF062075.D
 Acq: 22 Mar 2019 10:35

Tgt Ion: 156 Resp: 17980
 Ion Ratio Lower Upper
 156 100
 77 142.3 61.3 183.9
 158 104.5 48.6 145.9





#78

n-propylbenzene

Concen: 5.141 ug/l

RT: 11.61 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Instrument :

MSVOA_F

ClientSampled :

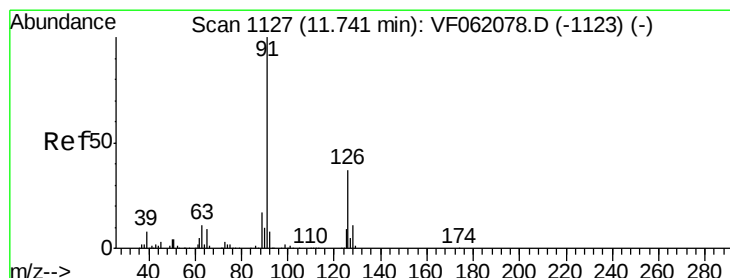
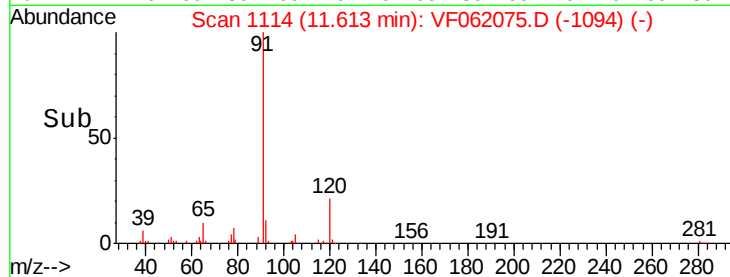
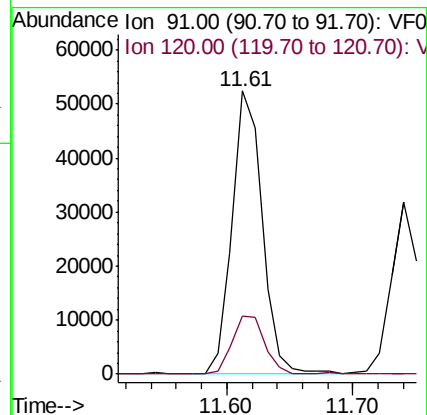
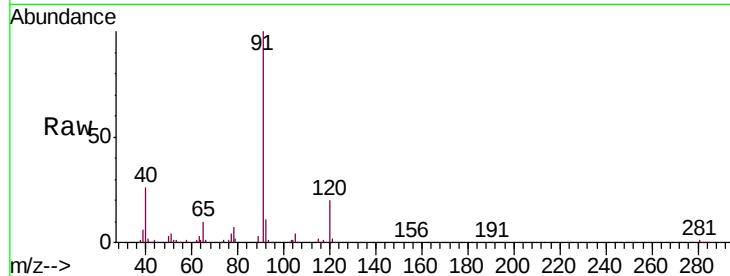
BFB

Tgt Ion: 91 Resp: 86556

Ion Ratio Lower Upper

91 100

120 20.5 11.3 33.8



#79

2-Chlorotoluene

Concen: 5.211 ug/l

RT: 11.74 min Scan# 1127

Delta R.T. -0.00 min

Lab File: VF062075.D

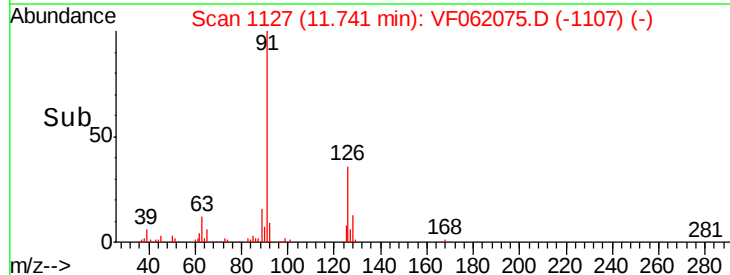
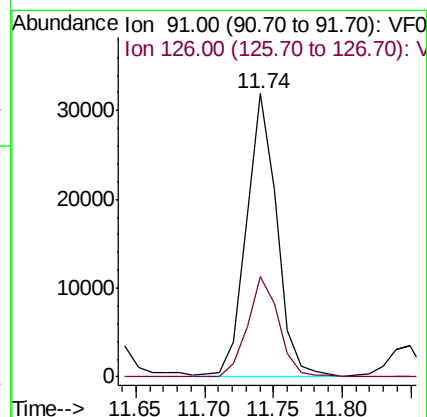
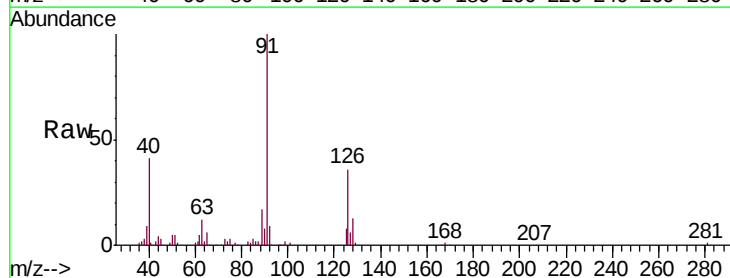
Acq: 22 Mar 2019 10:35

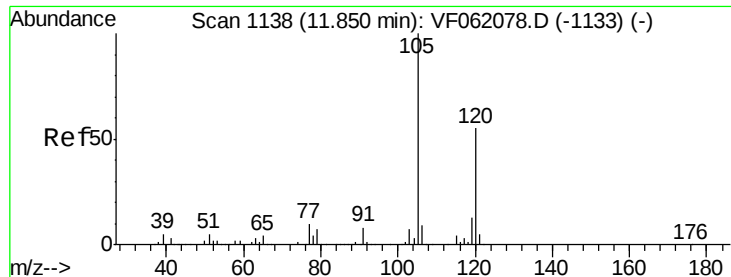
Tgt Ion: 91 Resp: 48766

Ion Ratio Lower Upper

91 100

126 35.6 18.3 54.8





#80

1,3,5-Trimethylbenzene

Concen: 5.046 ug/l

RT: 11.85 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Instrument :

MSVOA_F

ClientSampleId :

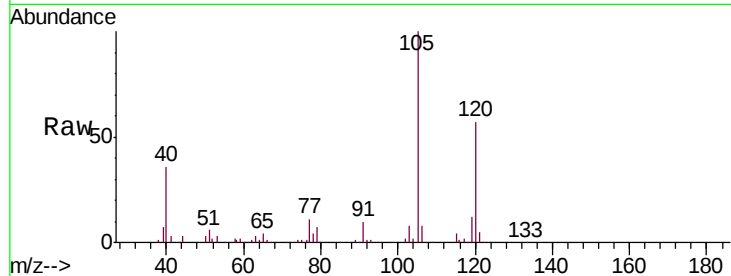
BFB

Tgt Ion:105 Resp: 60177

Ion Ratio Lower Upper

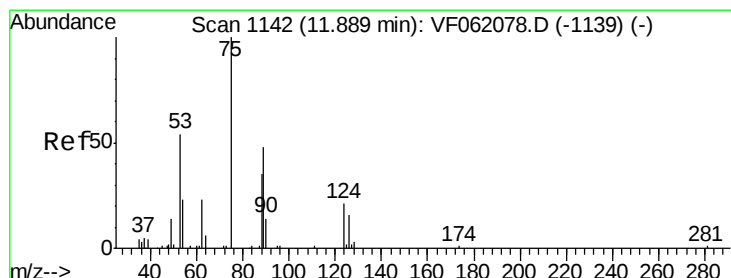
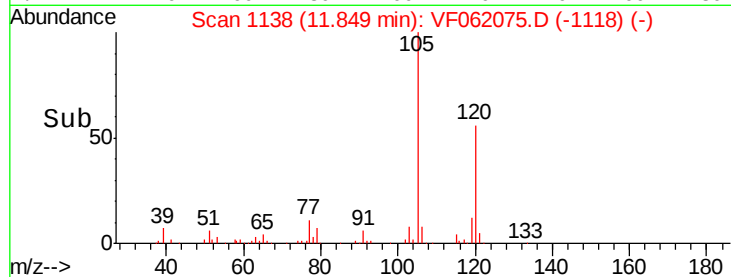
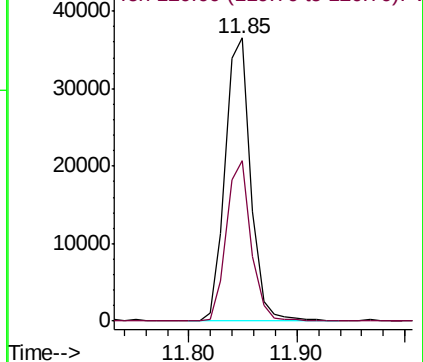
105 100

120 56.9 27.8 83.3



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: 4.550 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

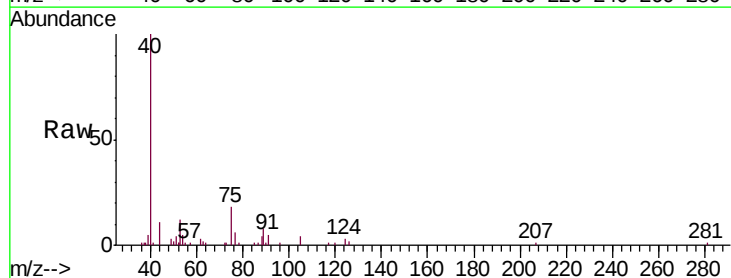
Tgt Ion: 75 Resp: 4299

Ion Ratio Lower Upper

75 100

53 65.9 49.4 74.0

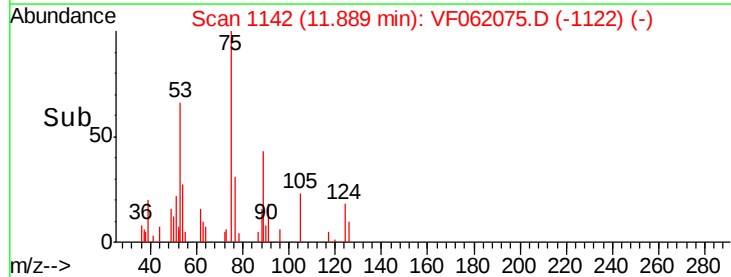
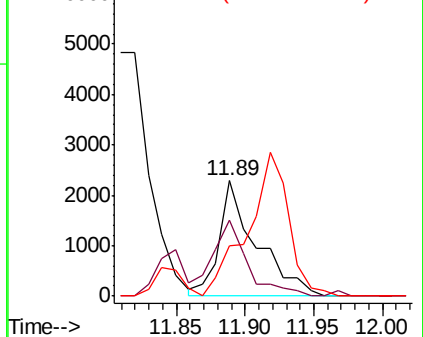
89 43.4 40.6 60.8

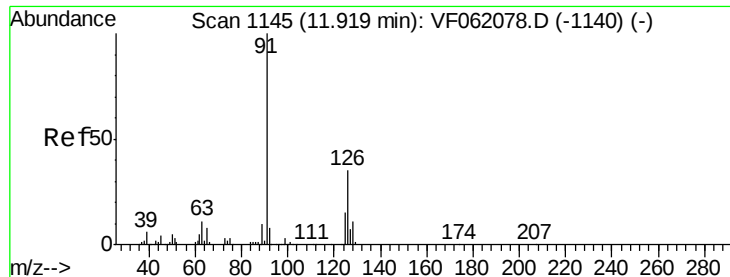


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0





#82

4-Chlorotoluene

Concen: 5.175 ug/l

RT: 11.92 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Instrument :

MSVOA_F

ClientSampleId :

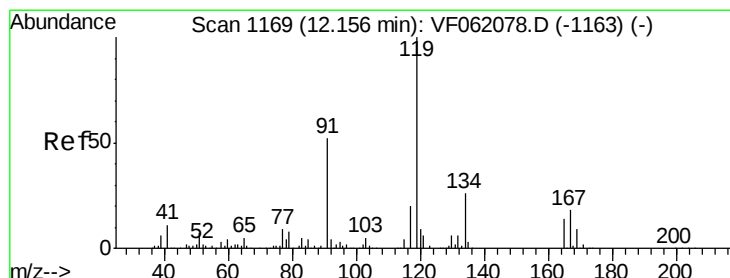
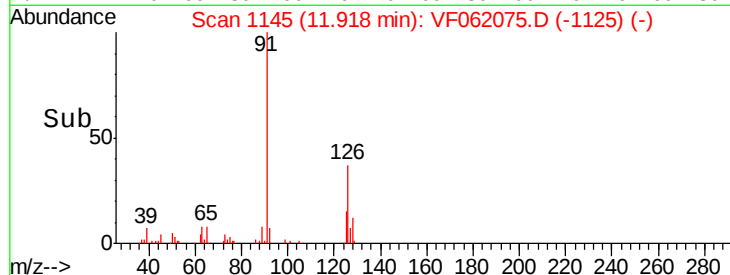
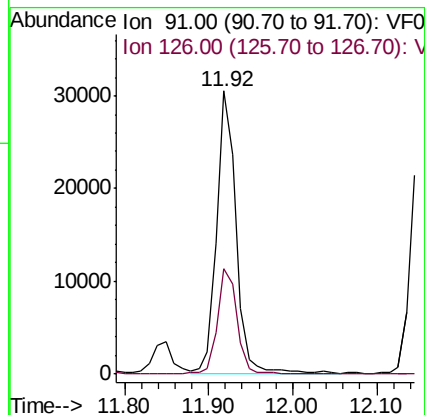
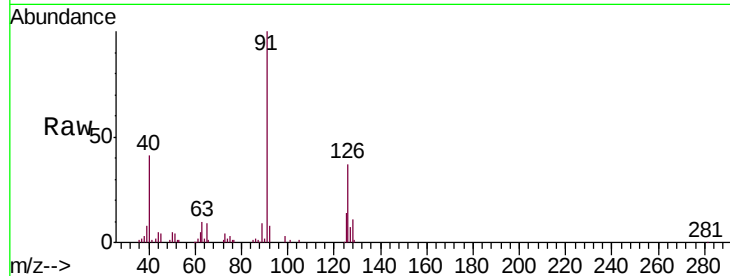
BFB

Tgt Ion: 91 Resp: 49653

Ion Ratio Lower Upper

91 100

126 37.3 17.2 51.6



#83

tert-Butylbenzene

Concen: 5.155 ug/l

RT: 12.15 min Scan# 1169

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

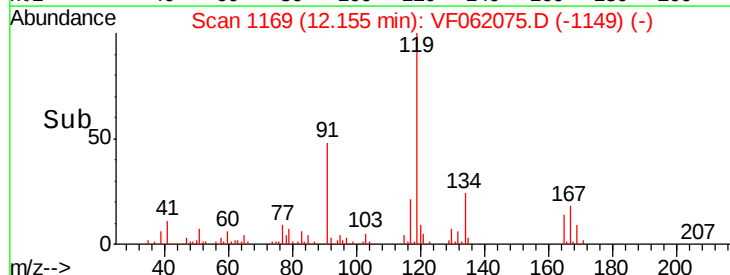
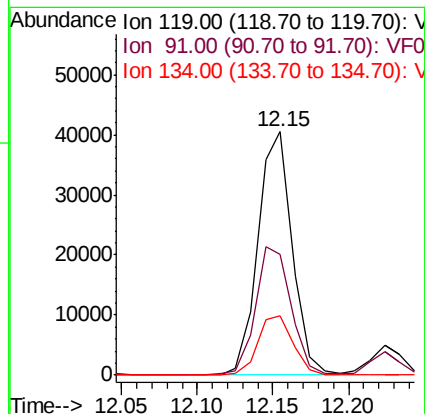
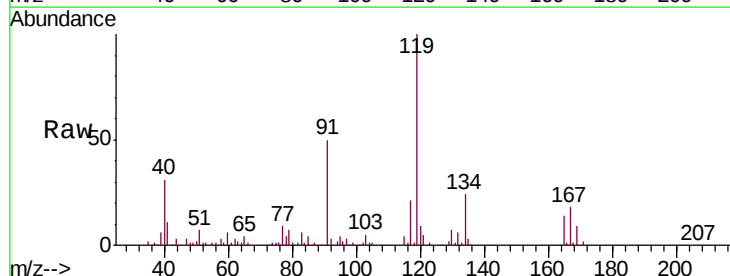
Tgt Ion: 119 Resp: 64356

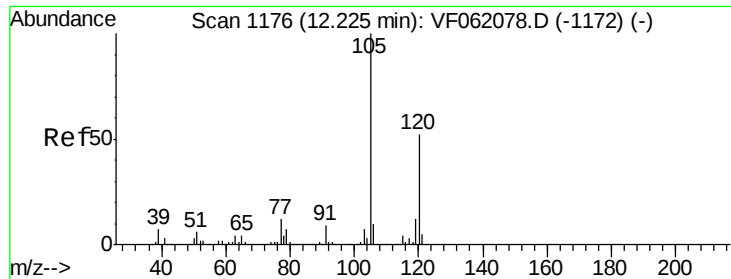
Ion Ratio Lower Upper

119 100

91 49.9 26.1 78.2

134 24.4 12.8 38.4

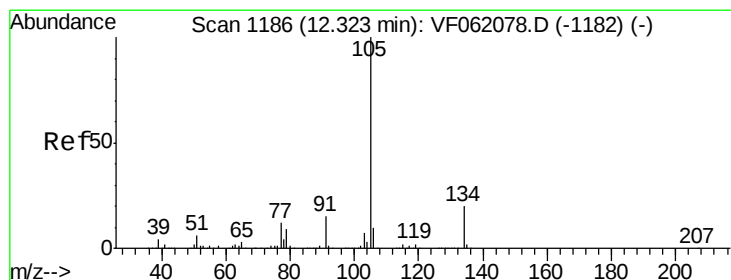
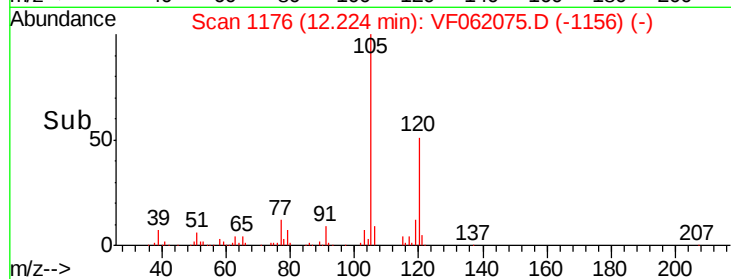
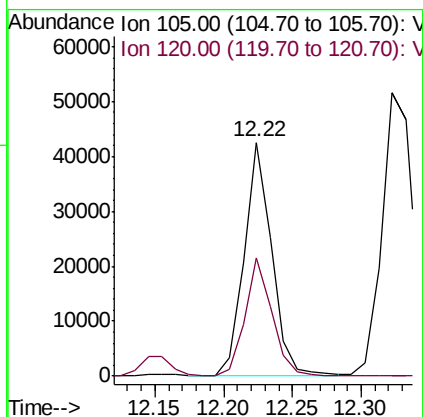
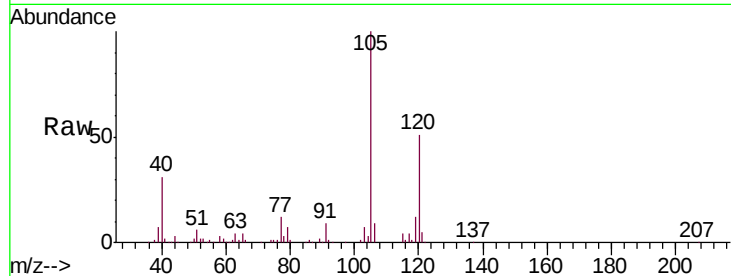




#84
 1,2,4-Trimethylbenzene
 Concen: 5.135 ug/l
 RT: 12.22 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: VF062075.D
 Acq: 22 Mar 2019 10:35

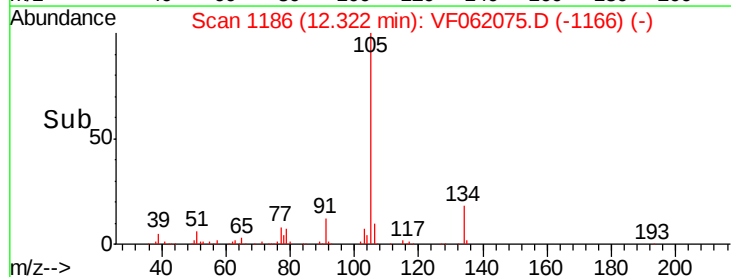
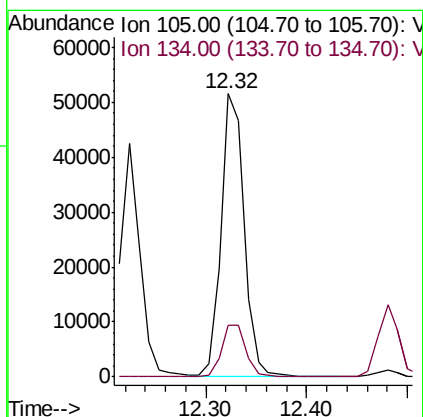
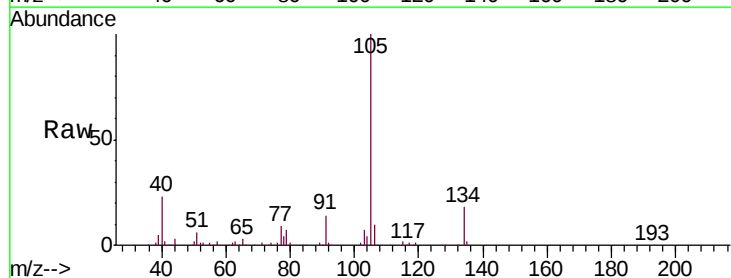
Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

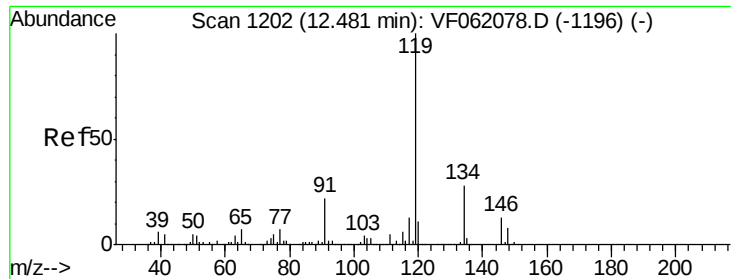
Tgt Ion:105 Resp: 60037
 Ion Ratio Lower Upper
 105 100
 120 50.8 26.1 78.2



#85
 sec-Butylbenzene
 Concen: 5.097 ug/l
 RT: 12.32 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: VF062075.D
 Acq: 22 Mar 2019 10:35

Tgt Ion:105 Resp: 82317
 Ion Ratio Lower Upper
 105 100
 134 18.2 10.2 30.4

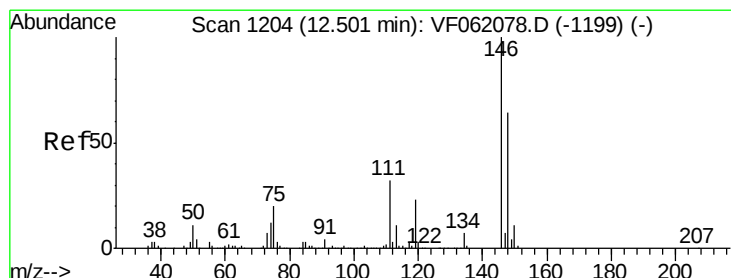
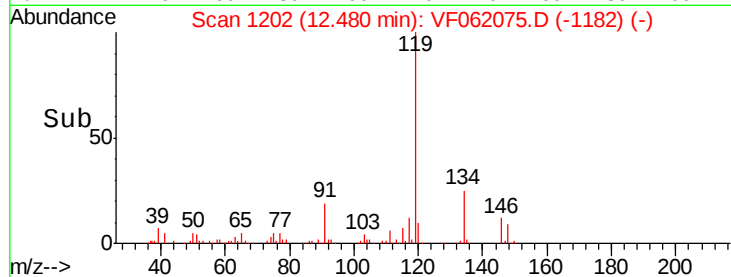
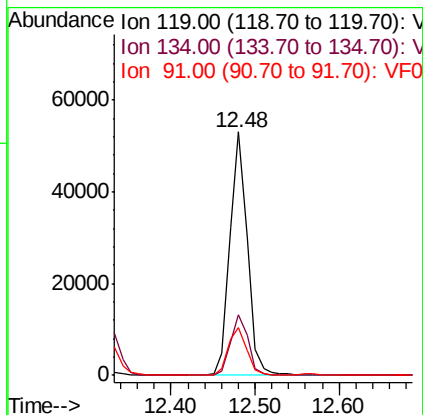
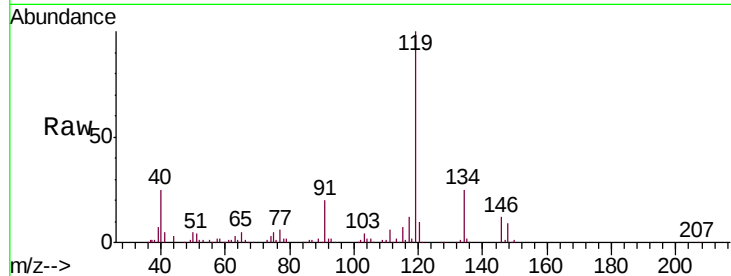




#86
p-Isopropyltoluene
Concen: 5.479 ug/l
RT: 12.48 min Scan# 1202
Delta R.T. -0.00 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

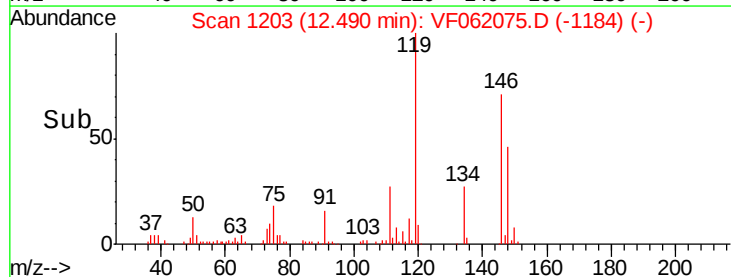
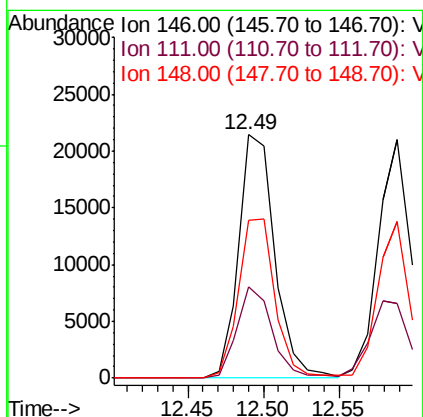
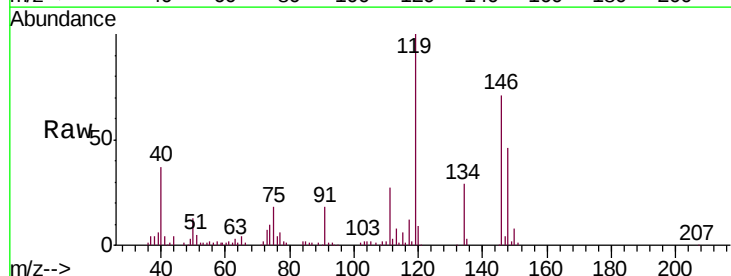
Instrument :
MSVOA_F
ClientSampleId :
BFB

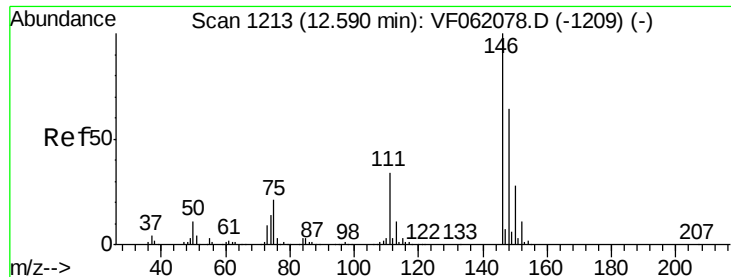
Tgt Ion:119 Resp: 76662
Ion Ratio Lower Upper
119 100
134 24.7 14.0 42.0
91 19.7 10.8 32.4



#87
1,3-Dichlorobenzene
Concen: 5.434 ug/l
RT: 12.49 min Scan# 1203
Delta R.T. -0.01 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Tgt Ion:146 Resp: 35762
Ion Ratio Lower Upper
146 100
111 37.7 16.1 48.3
148 65.0 31.9 95.7

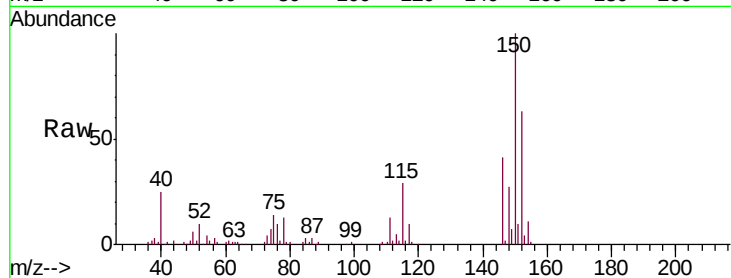




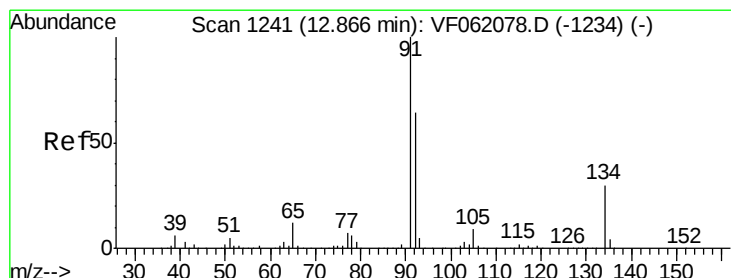
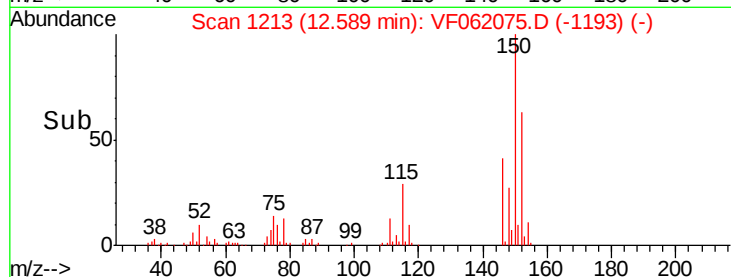
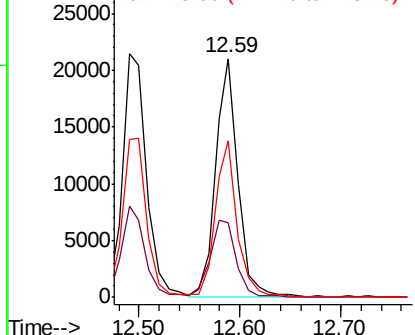
#88
 1,4-Dichlorobenzene
 Concen: 5.103 ug/l
 RT: 12.59 min Scan# 1213
 Delta R.T. -0.00 min
 Lab File: VF062075.D
 Acq: 22 Mar 2019 10:35

Instrument :
 MSVOA_F
 ClientSampled :
 BFB

Tgt Ion: 146 Resp: 32772
 Ion Ratio Lower Upper
 146 100
 111 31.5 16.9 50.6
 148 65.8 31.9 95.7

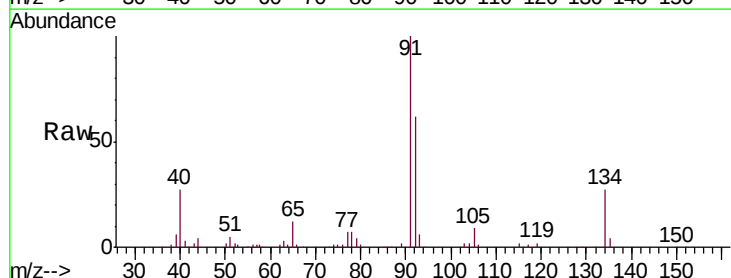


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

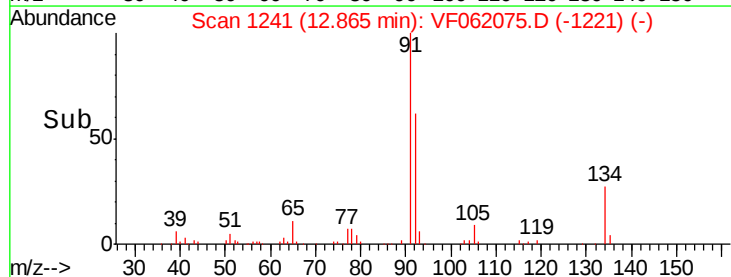
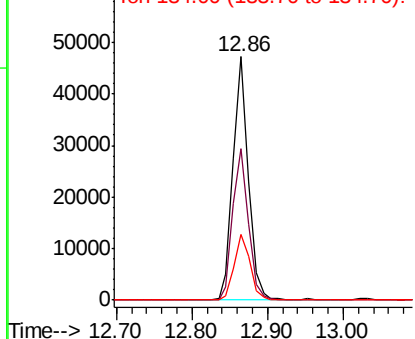


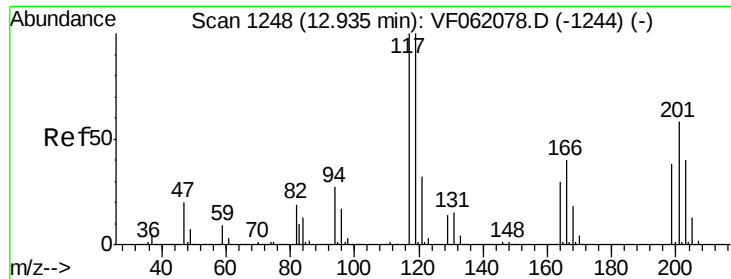
#89
 n-Butylbenzene
 Concen: 4.921 ug/l
 RT: 12.86 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VF062075.D
 Acq: 22 Mar 2019 10:35

Tgt Ion: 91 Resp: 65694
 Ion Ratio Lower Upper
 91 100
 92 62.2 31.9 95.5
 134 26.9 14.9 44.9



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

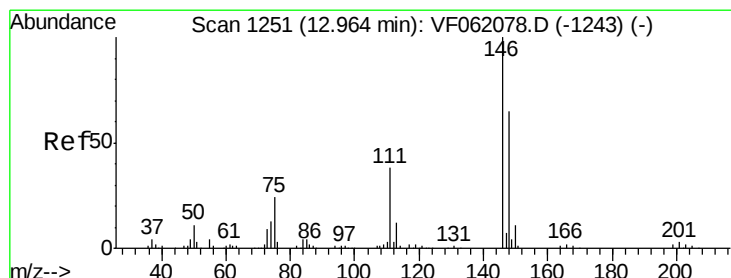
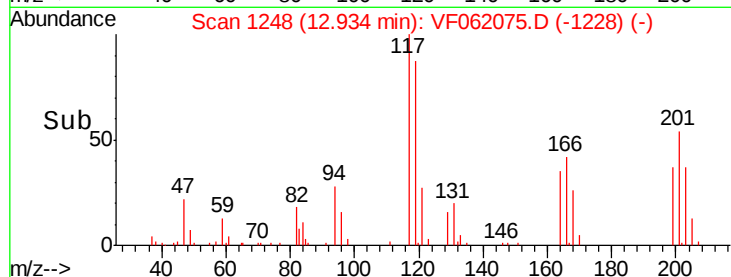
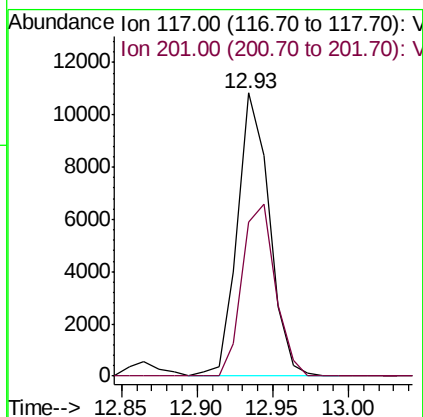
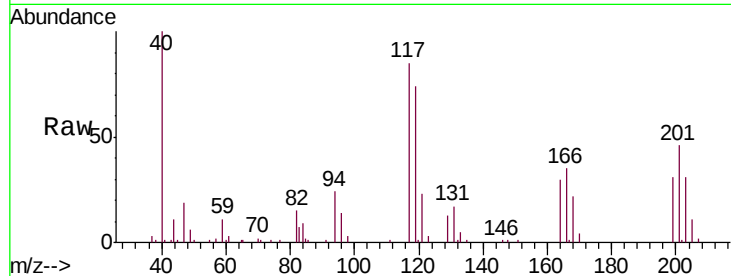




#90
Hexachloroethane
Concen: 4.797 ug/l
RT: 12.93 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

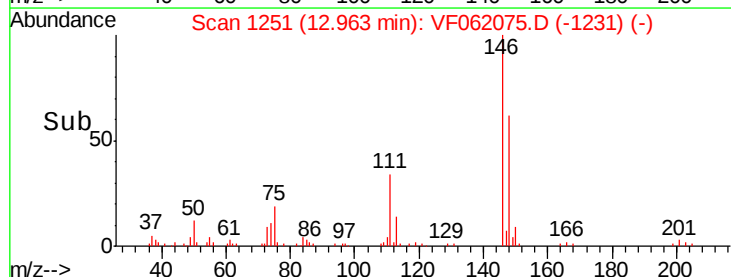
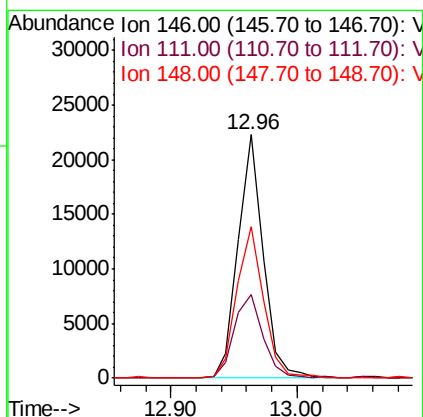
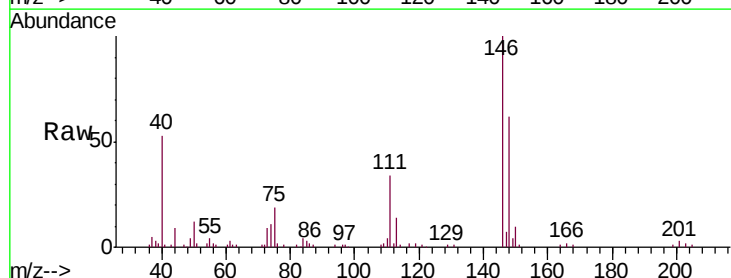
Instrument :
MSVOA_F
ClientSampleId :
BFB

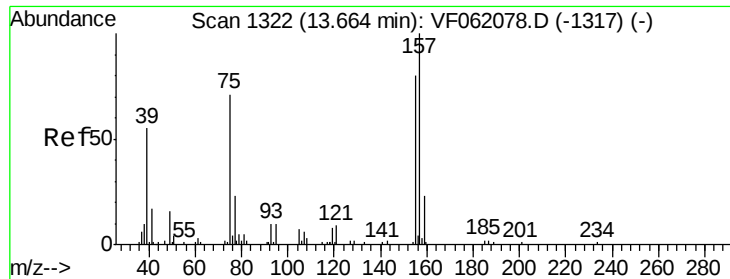
Tgt Ion:117 Resp: 15982
Ion Ratio Lower Upper
117 100
201 54.4 28.7 86.1



#91
1,2-Dichlorobenzene
Concen: 4.994 ug/l
RT: 12.96 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Tgt Ion:146 Resp: 30860
Ion Ratio Lower Upper
146 100
111 34.5 19.1 57.3
148 62.0 32.8 98.3

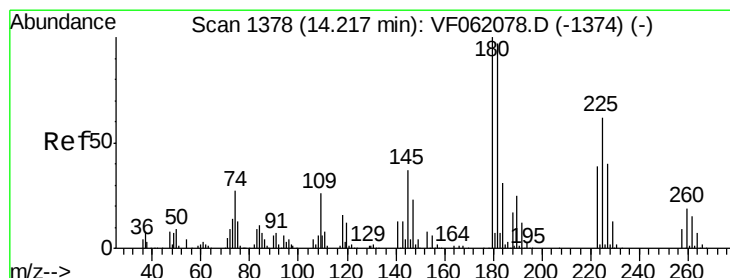
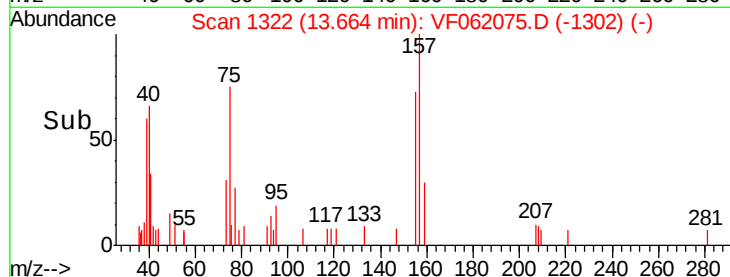
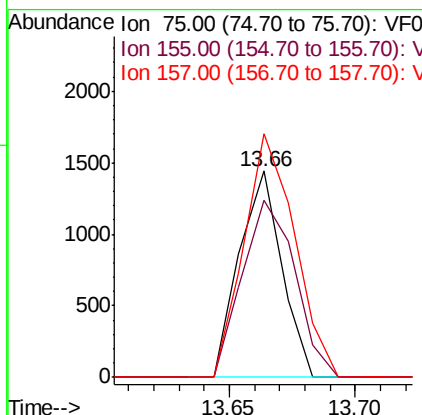
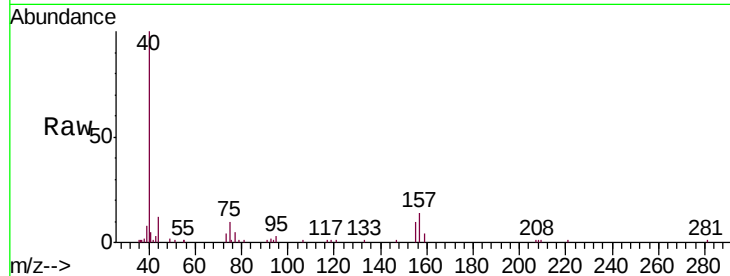




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.464 ug/l
 RT: 13.66 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VF062075.D
 Acq: 22 Mar 2019 10:35

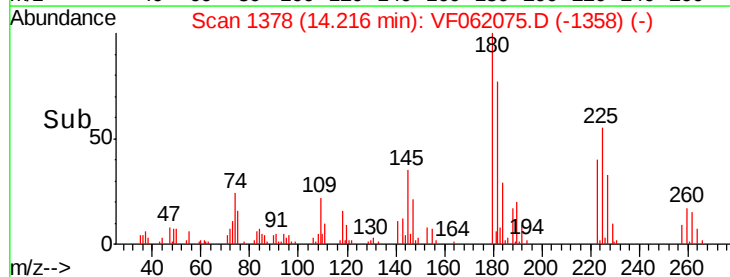
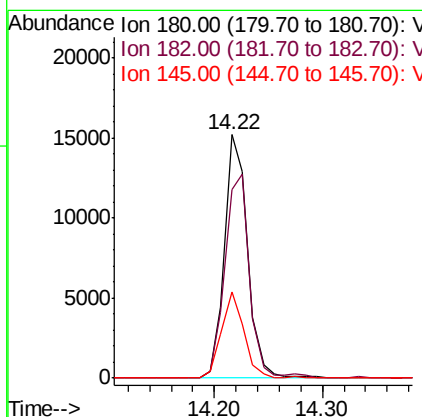
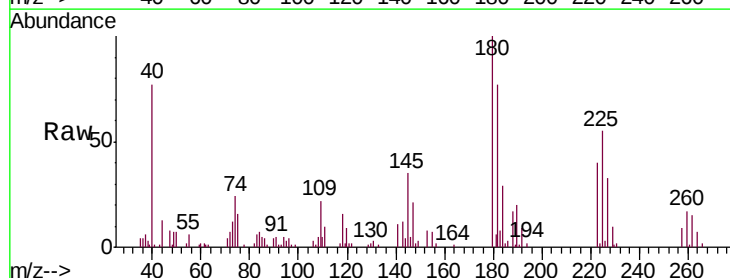
Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

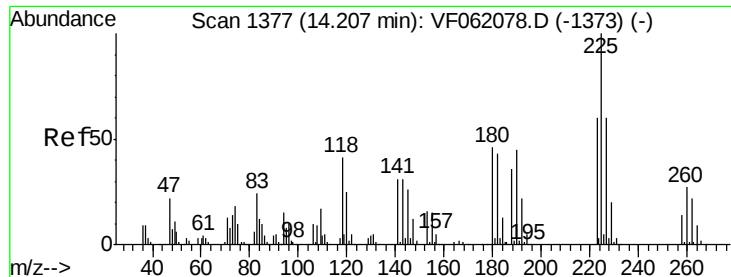
Tgt Ion: 75 Resp: 1684
 Ion Ratio Lower Upper
 75 100
 155 85.8 56.1 168.4
 157 118.0 70.4 211.2



#93
 1,2,4-Trichlorobenzene
 Concen: 5.264 ug/l
 RT: 14.22 min Scan# 1378
 Delta R.T. -0.00 min
 Lab File: VF062075.D
 Acq: 22 Mar 2019 10:35

Tgt Ion: 180 Resp: 22673
 Ion Ratio Lower Upper
 180 100
 182 77.5 48.7 146.1
 145 35.4 18.3 54.8





#94

Hexachlorobutadiene

Concen: 5.187 ug/l

RT: 14.21 min Scan# 1377

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Instrument :

MSVOA_F

ClientSampleId :

BFB

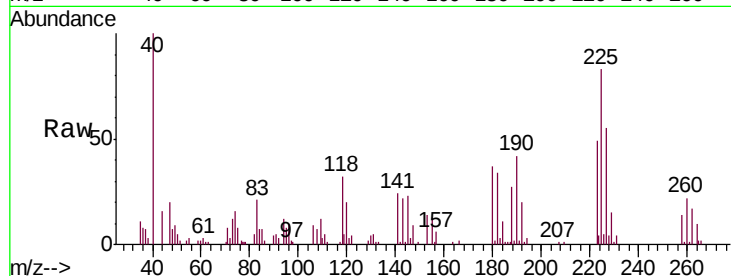
Tgt Ion:225 Resp: 14854

Ion Ratio Lower Upper

225 100

223 56.3 30.0 90.0

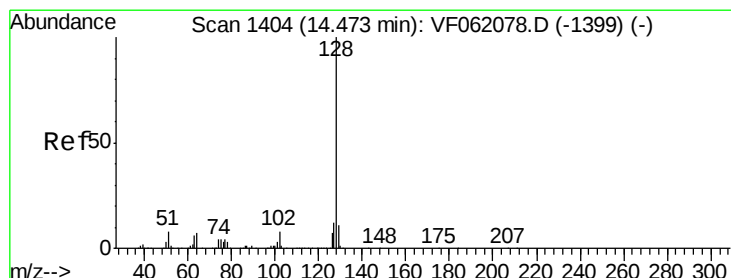
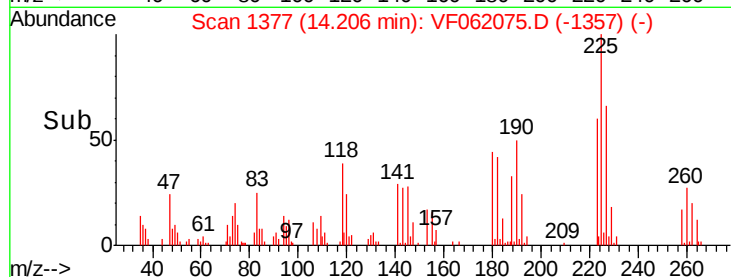
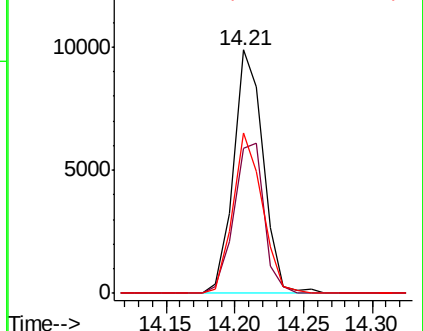
227 62.5 30.2 90.6



Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#95

Naphthalene

Concen: 4.420 ug/l

RT: 14.47 min Scan# 1404

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

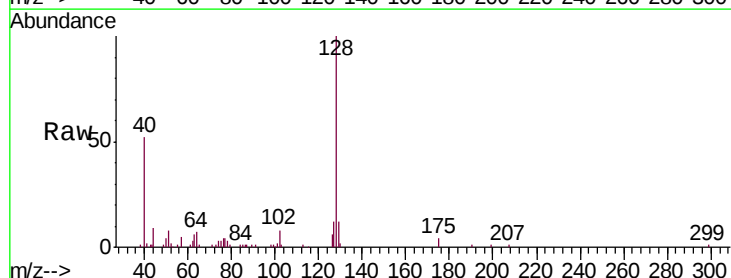
Tgt Ion:128 Resp: 33359

Ion Ratio Lower Upper

128 100

127 12.2 9.5 14.3

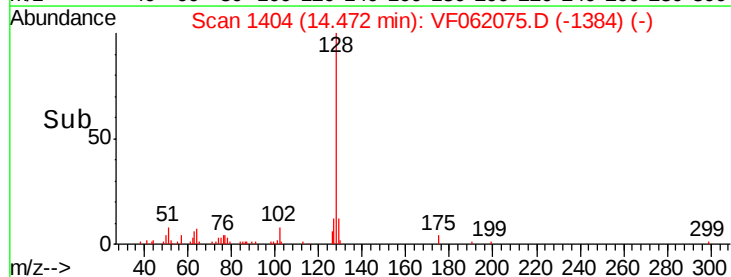
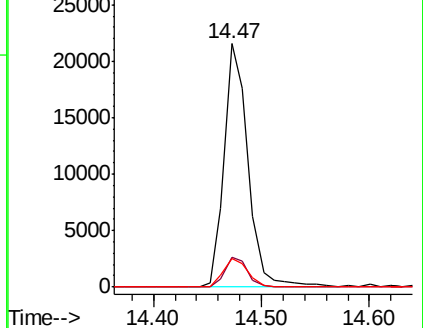
129 11.8 8.7 13.1

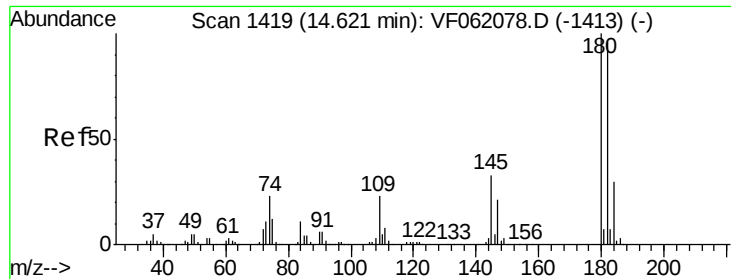


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

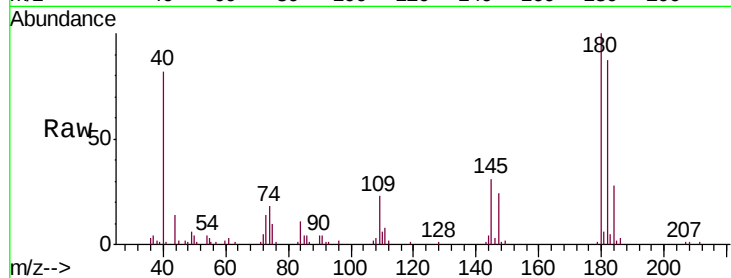




#96
 1,2,3-Trichlorobenzene
 Concen: 4.850 ug/l
 RT: 14.62 min Scan# 1419
 Delta R.T. -0.00 min
 Lab File: VF062075.D
 Acq: 22 Mar 2019 10:35

Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

Tgt Ion:180 Resp: 19553
 Ion Ratio Lower Upper
 180 100
 182 86.7 47.9 143.7
 145 31.0 16.6 49.7



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

