

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031319\
 Data File : VF061925.D
 Acq On : 13 Mar 2019 13:42
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

Quant Time: Mar 14 01:14:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	293561	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.57	114	462411	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.75	117	377358	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	195116	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.81	65	118370	55.37	ug/l	-0.04
Spiked Amount			Recovery	=	110.74%	
35) Dibromofluoromethane	4.08	113	166911	51.72	ug/l	-0.04
Spiked Amount			Recovery	=	103.44%	
50) Toluene-d8	7.54	98	479891	50.03	ug/l	-0.03
Spiked Amount			Recovery	=	100.06%	
62) 4-Bromofluorobenzene	11.39	95	183480	48.83	ug/l	-0.03
Spiked Amount			Recovery	=	97.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	162849	45.185	ug/l	88
3) Chloromethane	1.09	50	171768	49.177	ug/l	98
4) Vinyl Chloride	1.14	62	164598	49.641	ug/l	97
5) Bromomethane	1.31	94	123657	54.722	ug/l	89
6) Chloroethane	1.38	64	88003	55.835	ug/l	90
7) Trichlorofluoromethane	1.47	101	161042	39.767	ug/l	97
8) Diethyl Ether	1.62	74	47344	51.411	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.82	101	149375	54.317	ug/l	96
10) Methyl Iodide	1.90	142	201732	38.548	ug/l	94
11) Tert butyl alcohol	2.55	59	33579	276.730	ug/l	96
12) 1,1-Dichloroethene	1.79	96	135090	53.807	ug/l	94
13) Acrolein	1.99	56	38834	252.572	ug/l	84
14) Allyl chloride	2.08	41	172411	62.334	ug/l	98
15) Acrylonitrile	2.92	53	105747	273.683	ug/l	100
16) Acetone	2.22	43	136928	305.768	ug/l	98
17) Carbon Disulfide	1.81	76	287209	36.750	ug/l	94
18) Methyl Acetate	2.42	43	52818	60.333	ug/l	93
19) Methyl tert-butyl Ether	2.42	73	227521	53.570	ug/l	97
20) Methylene Chloride	2.17	84	51129	17.088	ug/l	98
21) trans-1,2-Dichloroethene	2.30	96	140723	59.554	ug/l	93
22) Diisopropyl ether	2.78	45	402628	55.961	ug/l	100
23) Vinyl Acetate	3.17	43	813473	253.089	ug/l	99
24) 1,1-Dichloroethane	2.85	63	236739	55.050	ug/l	99
25) 2-Butanone	4.31	43	244186	268.071	ug/l	96
26) 2,2-Dichloropropane	3.58	77	111271	57.961	ug/l	99
27) cis-1,2-Dichloroethene	3.45	96	174664	53.354	ug/l	97
28) Bromochloromethane	3.70	49	102692	54.781	ug/l #	98
29) Tetrahydrofuran	4.05	42	99763	253.951	ug/l	100
30) Chloroform	3.84	83	260349	53.002	ug/l	99
31) Cyclohexane	3.68	56	232581	51.635	ug/l	96
32) 1,1,1-Trichloroethane	4.07	97	158031	52.195	ug/l	98
36) 1,1-Dichloropropene	4.25	75	214764	49.168	ug/l	96
37) Ethyl Acetate	4.09	43	84146	45.896	ug/l	96
38) Carbon Tetrachloride	3.97	117	150808	48.772	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	261739	50.732	ug/l	94
40) Benzene	4.61	78	551787	48.328	ug/l	99
41) Methacrylonitrile	4.72	41	46139	45.933	ug/l	97
42) 1,2-Dichloroethane	4.91	62	135590	47.653	ug/l	97
43) Isopropyl Acetate	6.93	43	105310	46.598	ug/l #	95
44) Trichloroethene	5.48	130	178723	50.370	ug/l	99
45) 1,2-Dichloropropane	6.21	63	139291	51.305	ug/l	93
46) Dibromomethane	6.07	93	81632	47.774	ug/l	99
47) Bromodichloromethane	6.36	83	187243	49.601	ug/l	100
48) Methyl methacrylate	6.69	41	64158	44.857	ug/l	98
49) 1,4-Dioxane	6.69	88	13478	1030.838	ug/l #	88
51) 4-Methyl-2-Pentanone	8.24	43	382066	244.610	ug/l	99
52) Toluene	7.61	92	341571	50.571	ug/l	99
53) t-1,3-Dichloropropene	8.26	75	152004	48.782	ug/l	95
54) cis-1,3-Dichloropropene	7.28	75	215797	50.209	ug/l	97
55) 1,1,2-Trichloroethane	8.46	97	95322	48.982	ug/l	97
56) Ethyl methacrylate	8.60	69	108617	49.524	ug/l	96
57) 1,3-Dichloropropane	8.83	76	155111	48.737	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.27	63	87802	253.071	ug/l	98
59) 2-Hexanone	9.47	43	276798	245.648	ug/l	100
60) Dibromochloromethane	8.69	129	136806	49.323	ug/l	97
61) 1,2-Dibromoethane	8.97	107	103014	48.136	ug/l	94
64) Tetrachloroethene	8.13	164	148201	51.111	ug/l	98
65) Chlorobenzene	9.77	112	368088	50.772	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.91	131	147149	52.386	ug/l	100
67) Ethyl Benzene	9.87	91	622298	51.787	ug/l	99
68) m/p-Xylenes	10.11	106	479084	104.074	ug/l	95
69) o-Xylene	10.69	106	267055	53.876	ug/l	99
70) Styrene	10.77	104	363056	52.044	ug/l	97
71) Bromoform	10.75	173	73540	49.537	ug/l #	98
73) Isopropylbenzene	11.11	105	726623	54.094	ug/l	100
74) N-amyl acetate	11.35	43	164981	53.350	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.68	83	121232	54.302	ug/l	93
76) 1,2,3-Trichloropropane	11.78	75	80572	52.878	ug/l	97
77) Bromobenzene	11.48	156	168060	51.986	ug/l	85
78) n-propylbenzene	11.58	91	812836	53.584	ug/l	96
79) 2-Chlorotoluene	11.71	91	465254	53.647	ug/l	99
80) 1,3,5-Trimethylbenzene	11.81	105	583744	54.127	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.86	75	49450	70.972	ug/l	94
82) 4-Chlorotoluene	11.88	91	467941	52.751	ug/l	96
83) tert-Butylbenzene	12.11	119	636125	55.548	ug/l	91
84) 1,2,4-Trimethylbenzene	12.19	105	573379	54.234	ug/l	99
85) sec-Butylbenzene	12.29	105	822415	55.186	ug/l	97
86) p-Isopropyltoluene	12.45	119	684236	54.015	ug/l	99
87) 1,3-Dichlorobenzene	12.46	146	317230	51.679	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	313397	52.926	ug/l	97
89) n-Butylbenzene	12.83	91	662774	54.747	ug/l	98
90) Hexachloroethane	12.90	117	167215	54.841	ug/l	91
91) 1,2-Dichlorobenzene	12.93	146	310975	53.470	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.63	75	18767	48.528	ug/l	95

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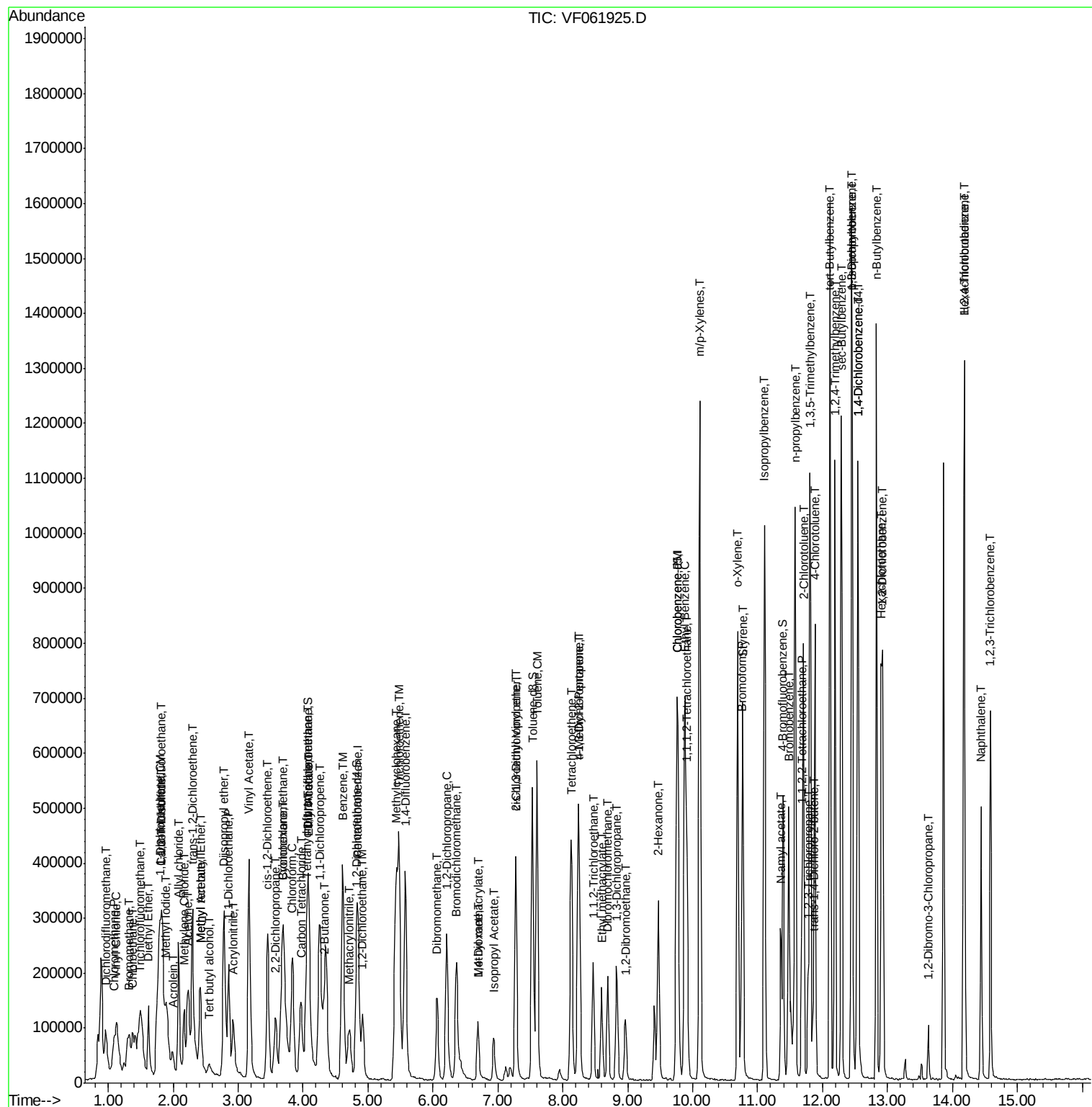
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	212429	52.100	ug/l	95
94) Hexachlorobutadiene	14.17	225	142914	50.632	ug/l	97
95) Naphthalene	14.44	128	380549	52.403	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	196360	52.159	ug/l	96

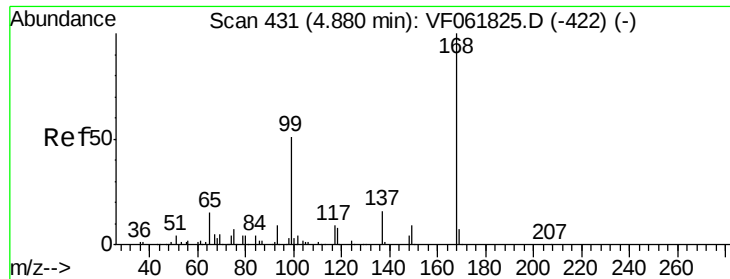
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.04 min

Lab File: VF061925.D

Acq: 13 Mar 2019 13:42

Instrument :

MSVOA_F

ClientSampleId :

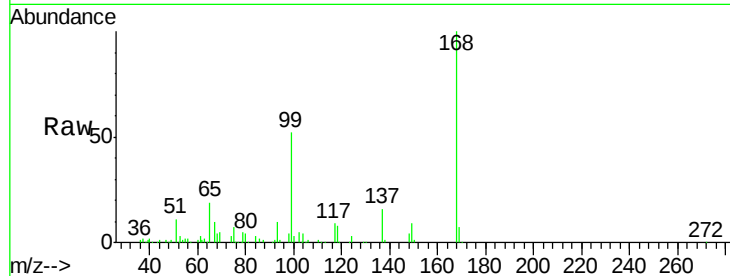
BFB

Tot Ion:168 Resp: 293561

Ion Ratio Lower Upper

168 100

99 52.1 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.84

80000

60000

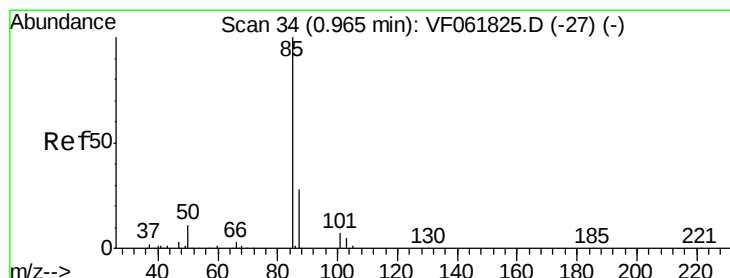
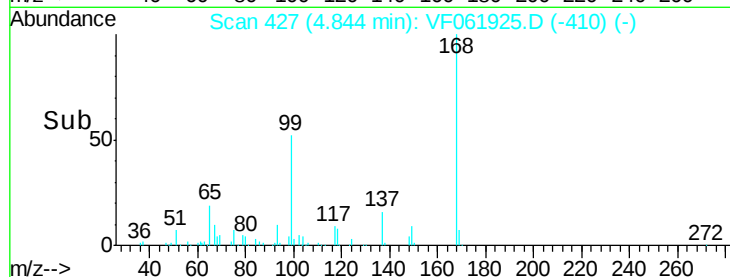
40000

20000

0

Time-->

4.80 5.00



#2

Dichlorodifluoromethane

Concen: 45.185 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.01 min

Lab File: VF061925.D

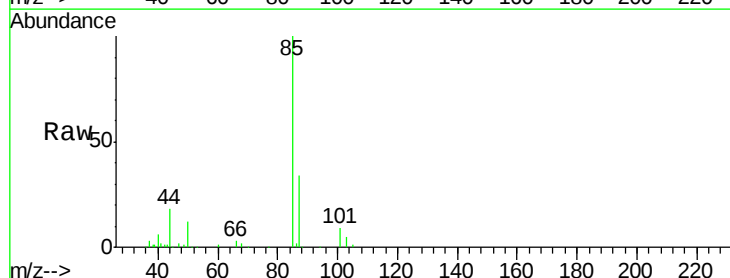
Acq: 13 Mar 2019 13:42

Tgt Ion: 85 Resp: 162849

Ion Ratio Lower Upper

85 100

87 34.2 14.1 42.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

50000

40000

30000

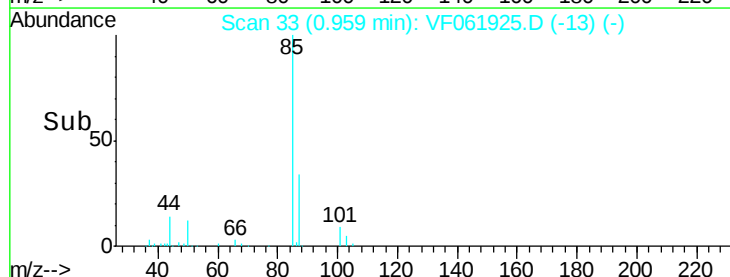
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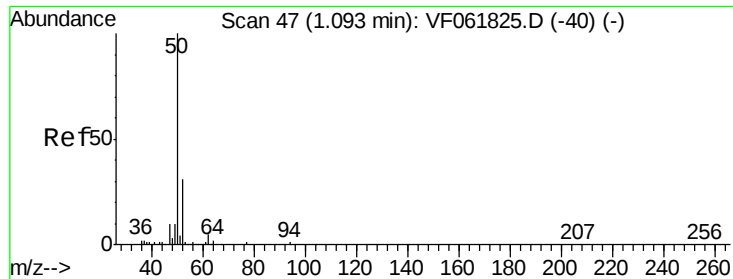
10000

0

Time-->

0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 49.177 ug/l

RT: 1.09 min Scan# 46

Delta R.T. -0.01 min

Lab File: VF061925.D

Acq: 13 Mar 2019 13:42

Instrument :

MSVOA_F

ClientSampleId :

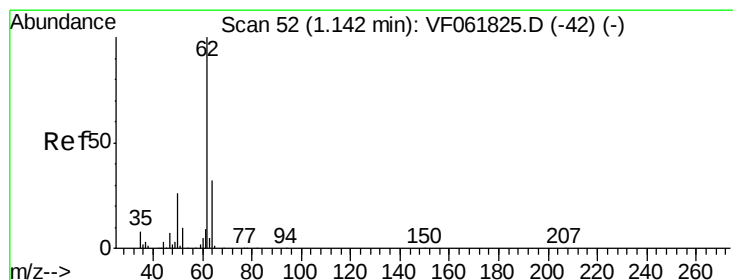
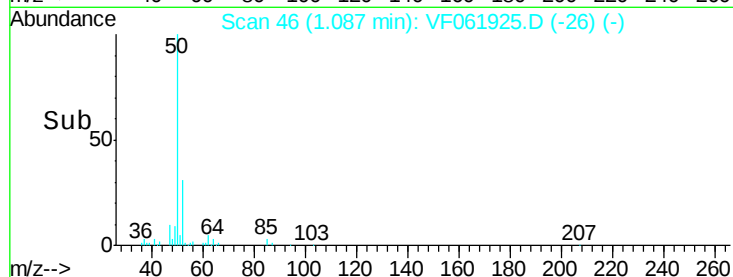
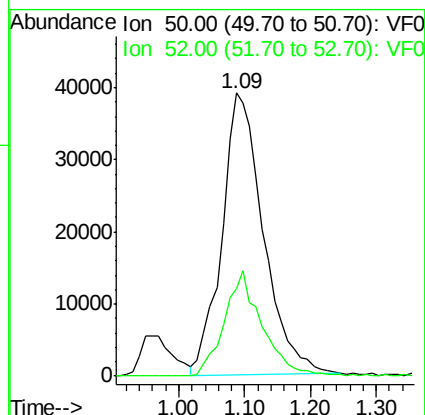
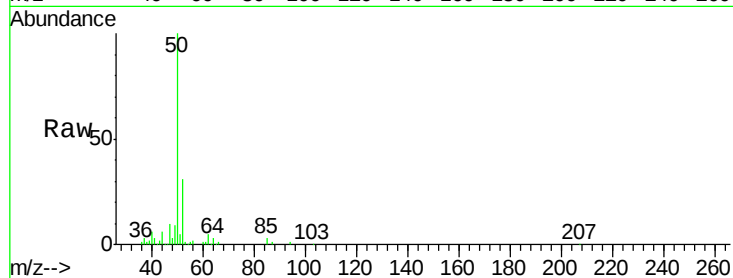
BFB

Tot Ion: 50 Resp: 171768

Ion Ratio Lower Upper

50 100

52 30.7 23.8 35.8



#4

Vinyl Chloride

Concen: 49.641 ug/l

RT: 1.14 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF061925.D

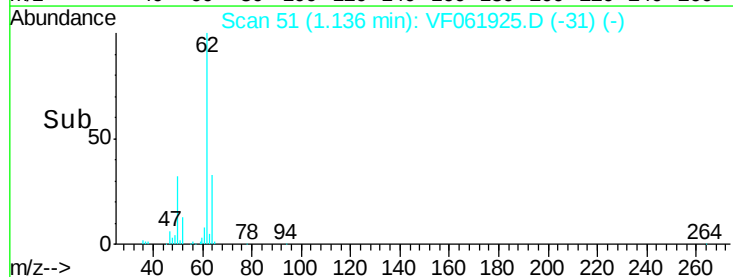
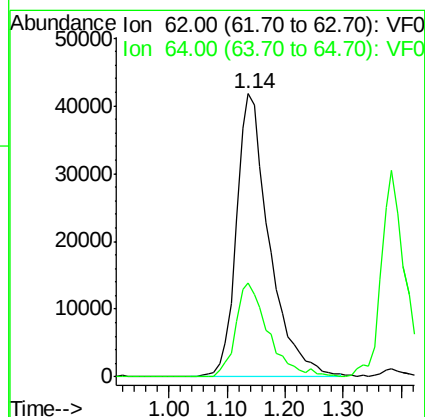
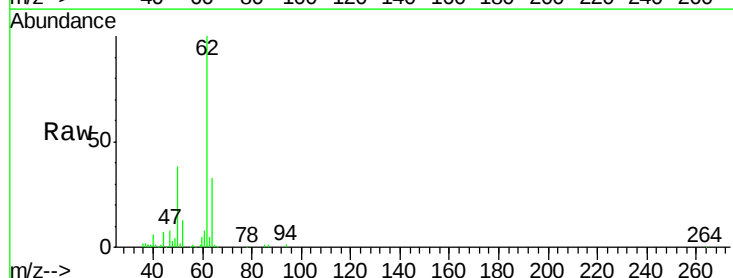
Acq: 13 Mar 2019 13:42

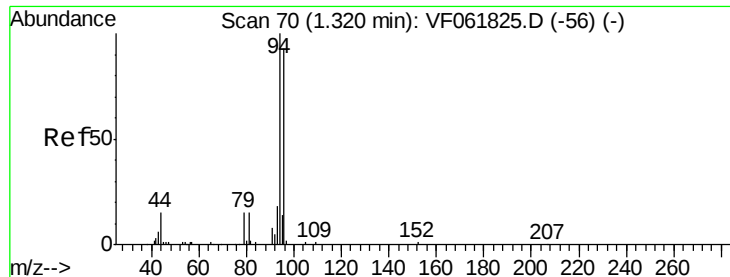
Tgt Ion: 62 Resp: 164598

Ion Ratio Lower Upper

62 100

64 33.2 25.2 37.8





#5

Bromomethane

Concen: 54.722 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.01 min

Lab File: VF061925.D

Acq: 13 Mar 2019 13:42

Instrument :

MSVOA_F

ClientSampleId :

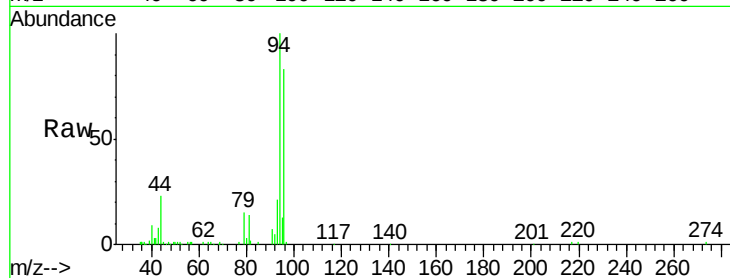
BFB

Tot Ion: 94 Resp: 123657

Ion Ratio Lower Upper

94 100

96 83.2 75.2 112.8



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.31

25000

20000

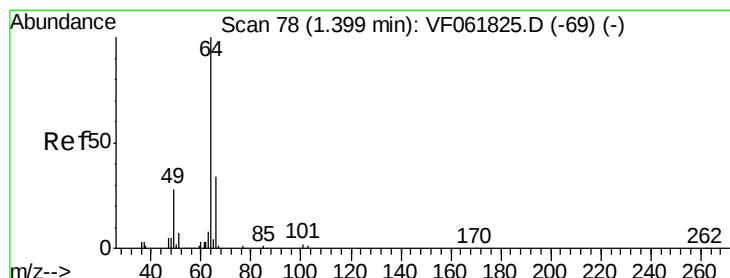
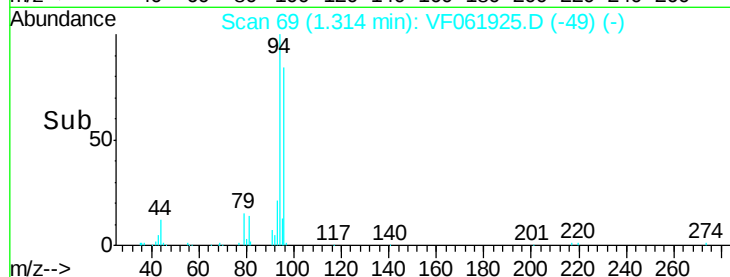
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 55.835 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.02 min

Lab File: VF061925.D

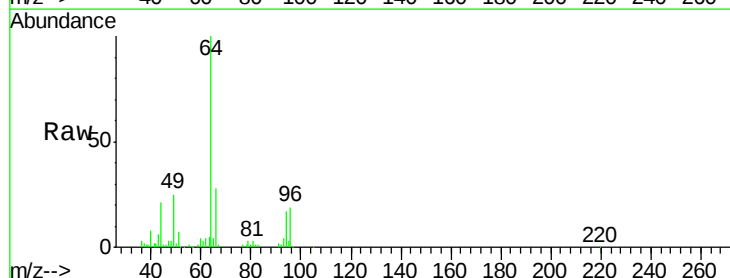
Acq: 13 Mar 2019 13:42

Tgt Ion: 64 Resp: 88003

Ion Ratio Lower Upper

64 100

66 27.9 27.0 40.4



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

1.38

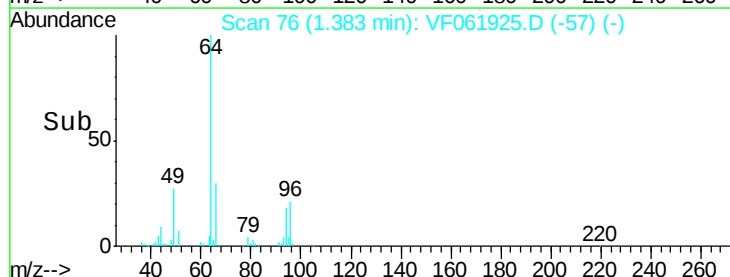
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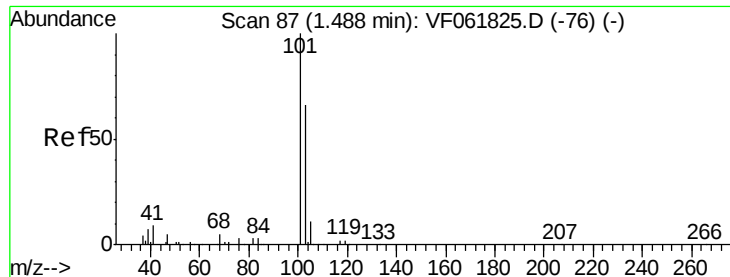
20000

10000

0

Time-->





#7

Trichlorofluoromethane

Concen: 39.767 ug/l

RT: 1.47 min Scan# 85

Delta R.T. -0.02 min

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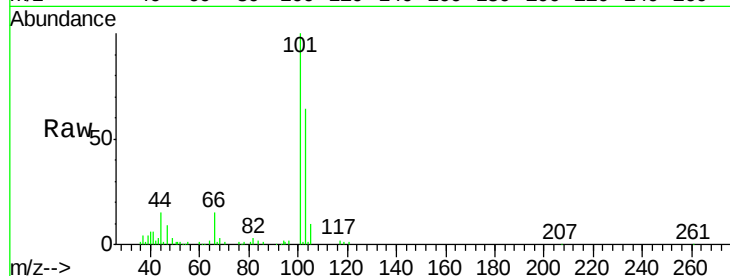
BFB

Tot Ion:101 Resp: 161042

Ion Ratio Lower Upper

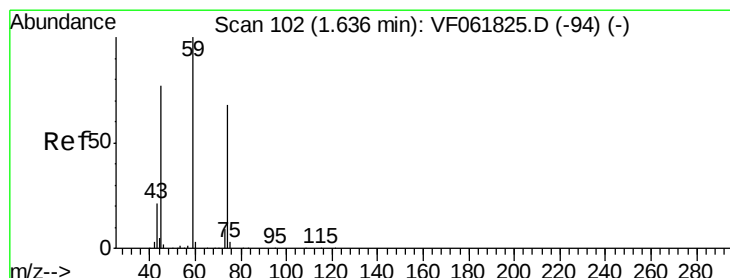
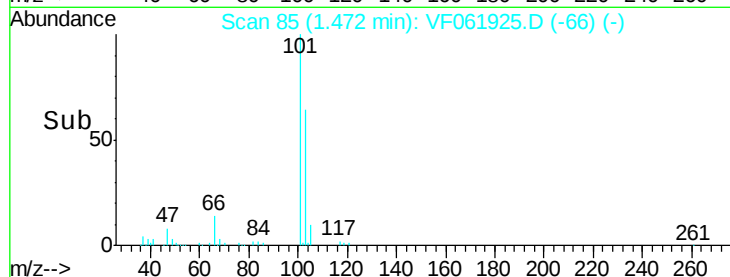
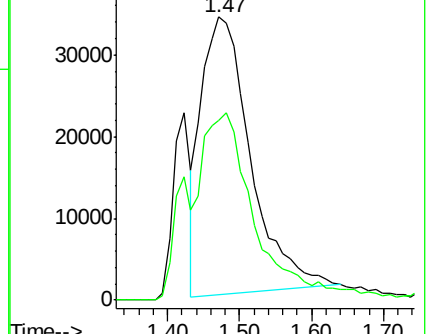
101 100

103 63.6 52.8 79.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 51.411 ug/l

RT: 1.62 min Scan# 100

Delta R.T. -0.02 min

Lab File: VF061925.D

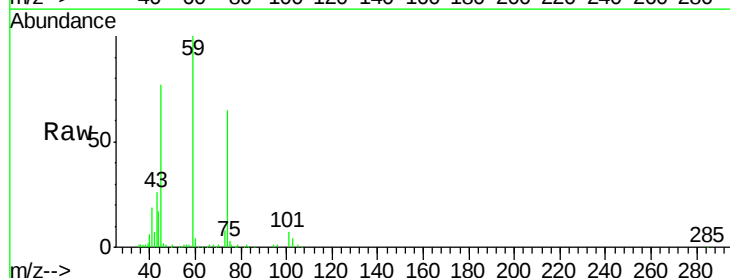
Acq: 13 Mar 2019 13:42

Tgt Ion: 74 Resp: 47344

Ion Ratio Lower Upper

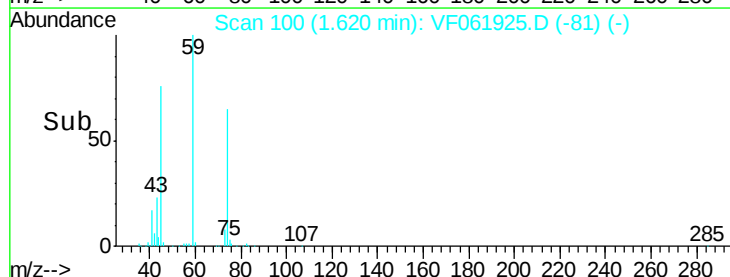
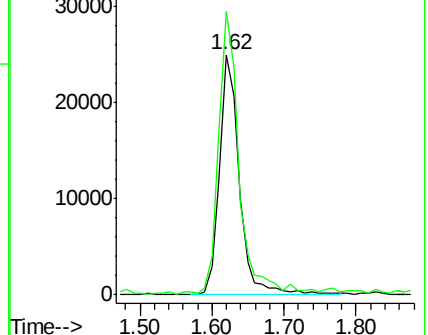
74 100

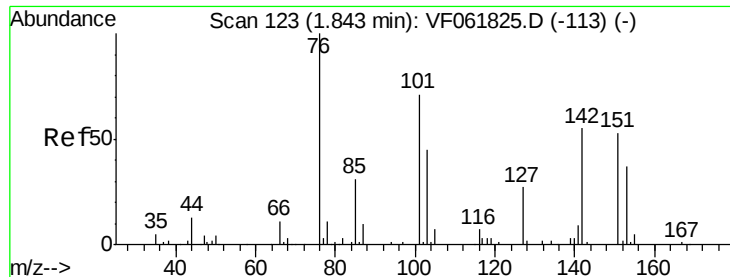
45 117.8 57.2 171.6



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: 54.317 ug/l

RT: 1.82 min Scan# 120

Delta R.T. -0.03 min

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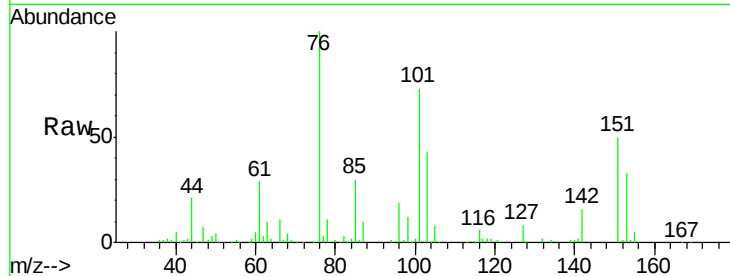
Tot Ion:101 Resp: 149375

Ion Ratio Lower Upper

101 100

85 40.4 34.0 51.0

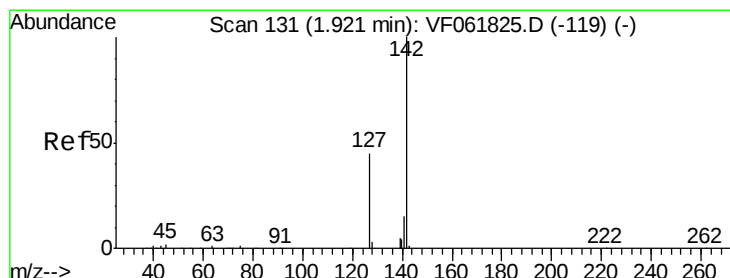
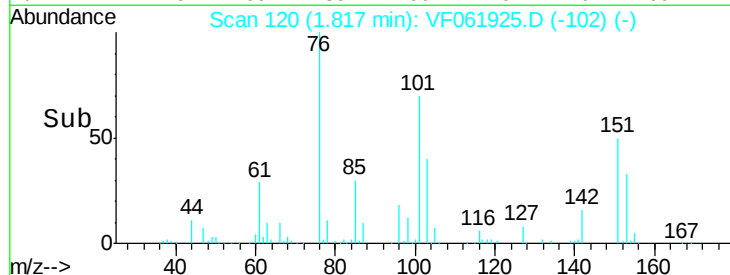
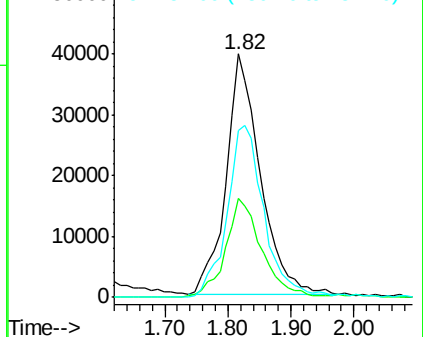
151 68.4 57.3 85.9



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: 38.548 ug/l

RT: 1.90 min Scan# 128

Delta R.T. -0.03 min

Lab File: VF061925.D

Acq: 13 Mar 2019 13:42

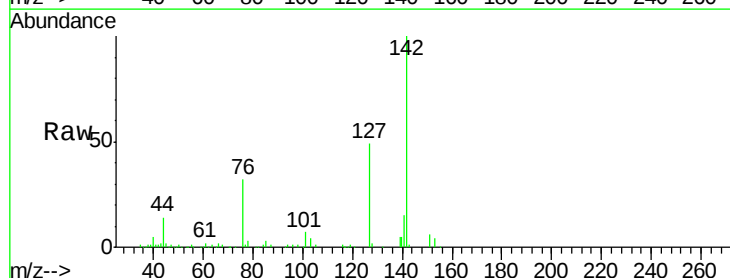
Tgt Ion:142 Resp: 201732

Ion Ratio Lower Upper

142 100

127 49.5 35.8 53.6

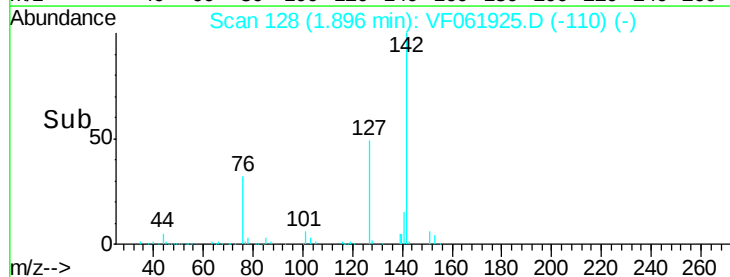
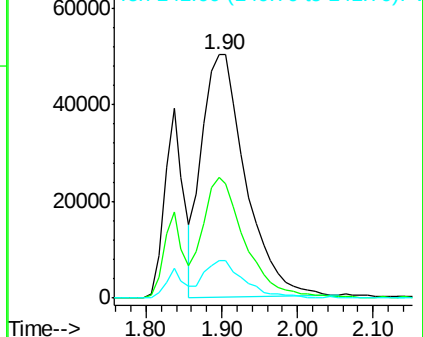
141 15.2 11.7 17.5

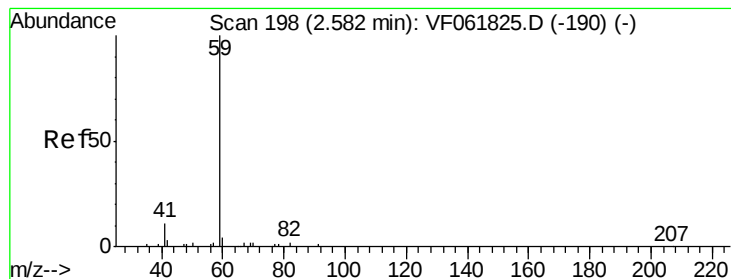


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



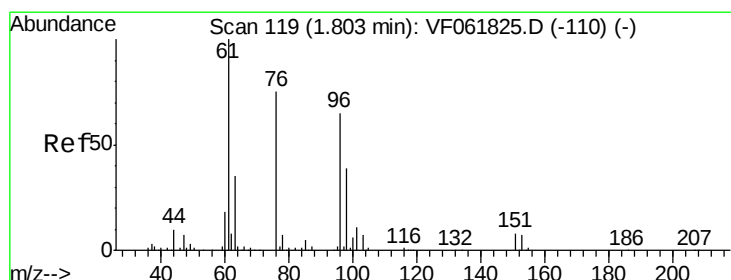
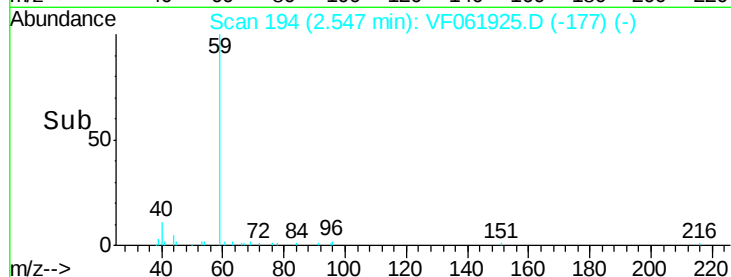
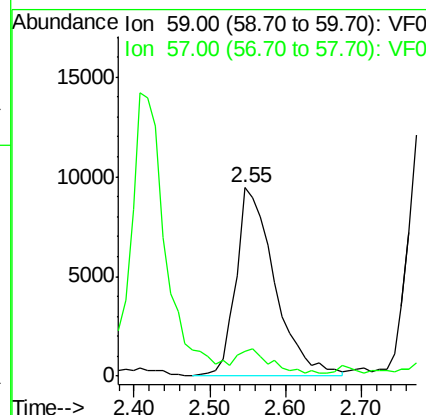
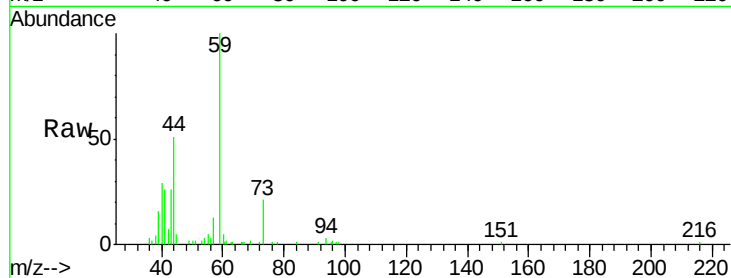


#11

Tert butyl alcohol
Concen: 276.730 ug/l
RT: 2.55 min Scan# 194
Delta R.T. -0.04 min
Lab File: VF061925.D
Acq: 13 Mar 2019 13:42

Instrument :
MSVOA_F
ClientSampleId :
BFB

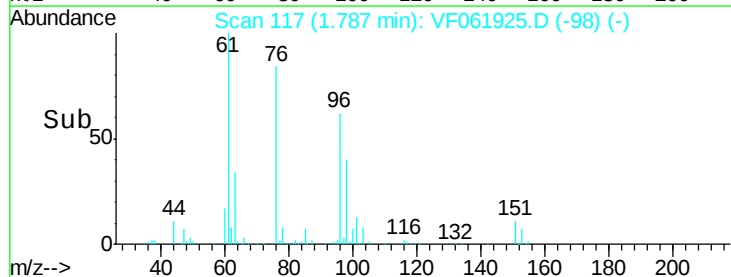
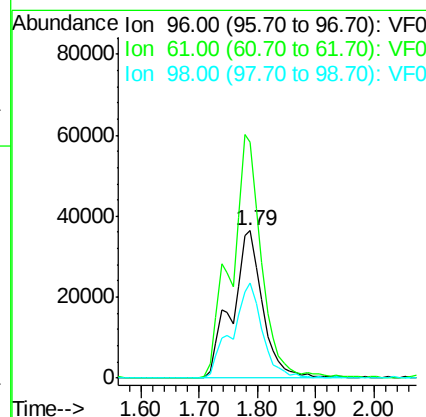
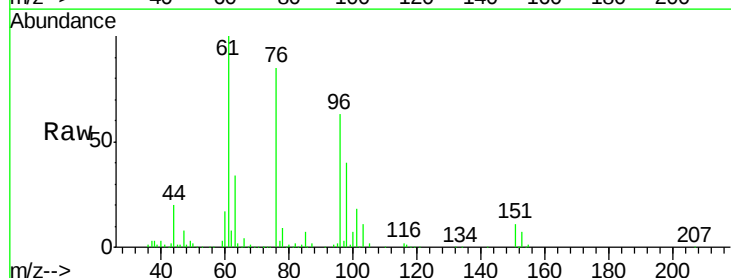
Tot Ion: 59 Resp: 33579
Ion Ratio Lower Upper
59 100
57 13.0 11.8 17.6

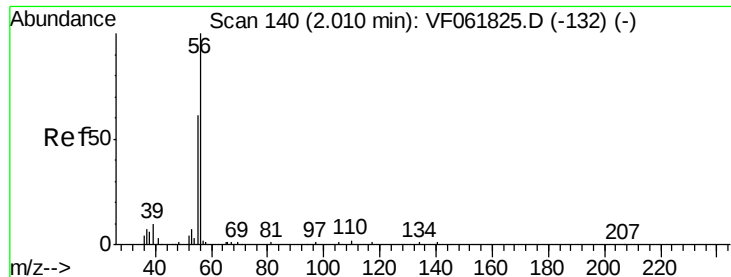


#12

1,1-Dichloroethene
Concen: 53.807 ug/l
RT: 1.79 min Scan# 117
Delta R.T. -0.02 min
Lab File: VF061925.D
Acq: 13 Mar 2019 13:42

Tgt Ion: 96 Resp: 135090
Ion Ratio Lower Upper
96 100
61 159.5 122.5 183.7
98 64.1 47.1 70.7





#13

Acrolein

Concen: 252.572 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF061925.D

Acq: 13 Mar 2019 13:42

Instrument :

MSVOA_F

ClientSampleId :

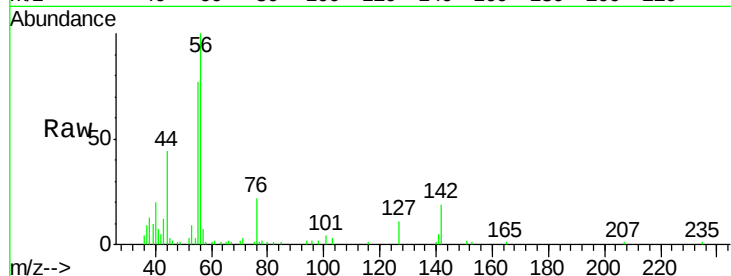
BFB

Tot Ion: 56 Resp: 38834

Ion Ratio Lower Upper

56 100

55 76.9 51.3 76.9



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

15000

10000

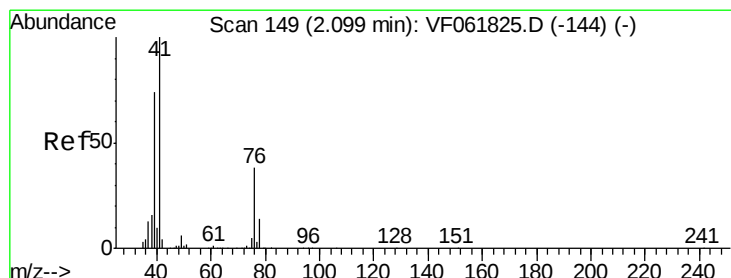
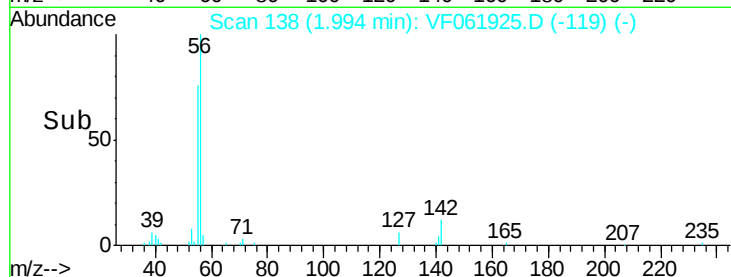
5000

0

1.99

1.90 2.00 2.10 2.20

Time-->



#14

Allyl chloride

Concen: 62.334 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.02 min

Lab File: VF061925.D

Acq: 13 Mar 2019 13:42

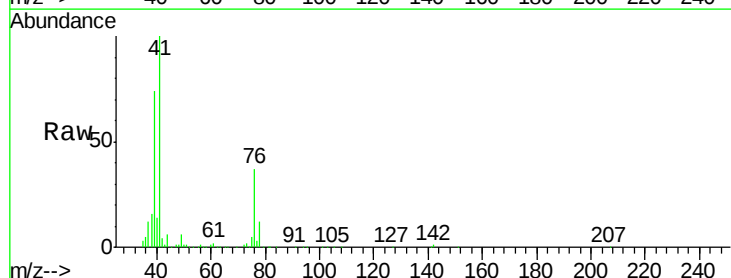
Tgt Ion: 41 Resp: 172411

Ion Ratio Lower Upper

41 100

39 74.4 59.6 89.4

76 37.3 32.3 48.5



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

100000

80000

60000

40000

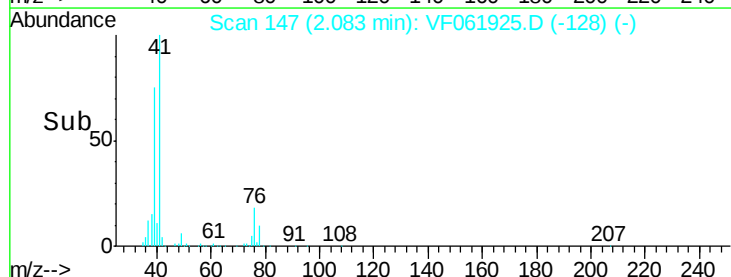
20000

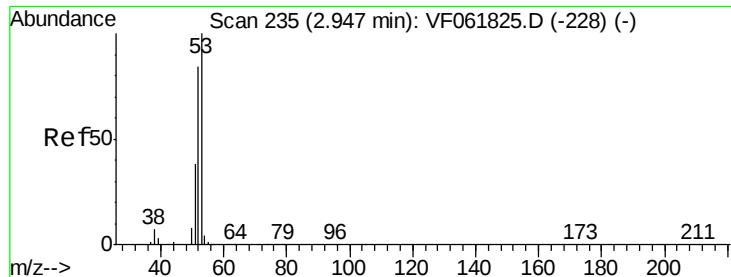
0

2.08

2.00 2.05 2.10 2.15

Time-->





#15

Acrylonitrile

Concen: 273.683 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.03 min

Lab File: VF061925.D

Acq: 13 Mar 2019 13:42

Instrument :

MSVOA_F

ClientSampleId :

BFB

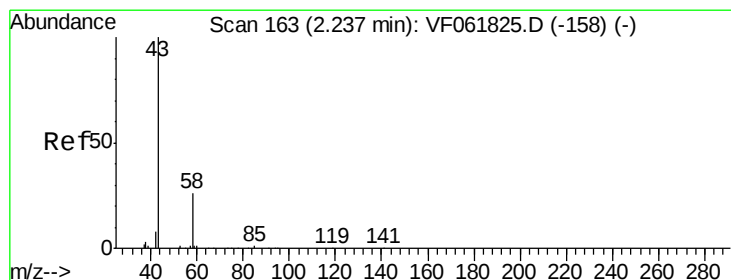
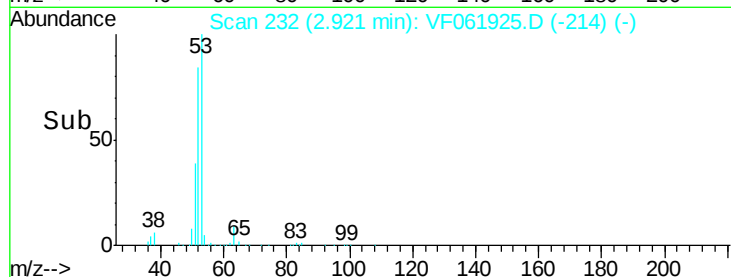
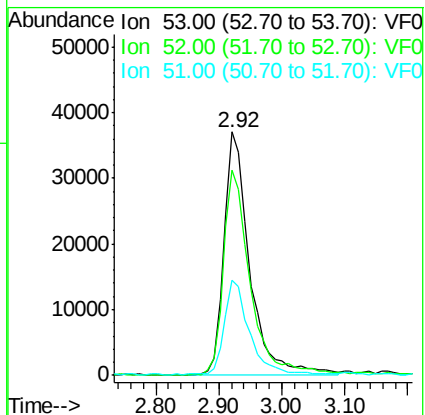
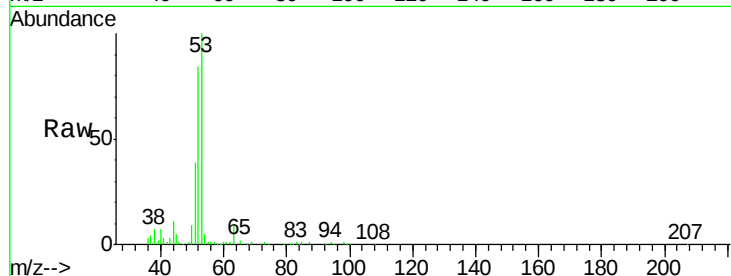
Tot Ion: 53 Resp: 105747

Ion Ratio Lower Upper

53 100

52 84.1 67.4 101.0

51 39.0 30.7 46.1



#16

Acetone

Concen: 305.768 ug/l

RT: 2.22 min Scan# 161

Delta R.T. -0.02 min

Lab File: VF061925.D

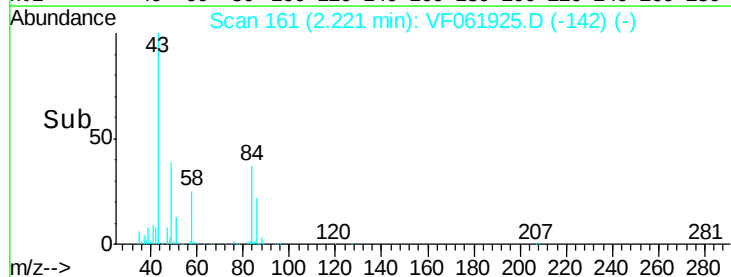
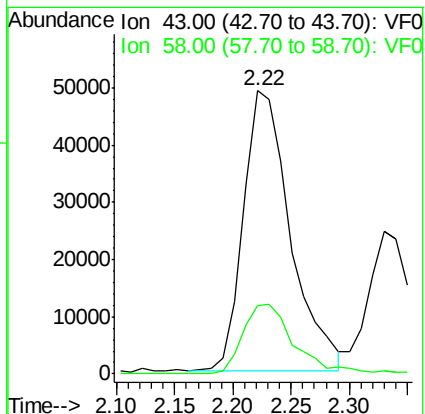
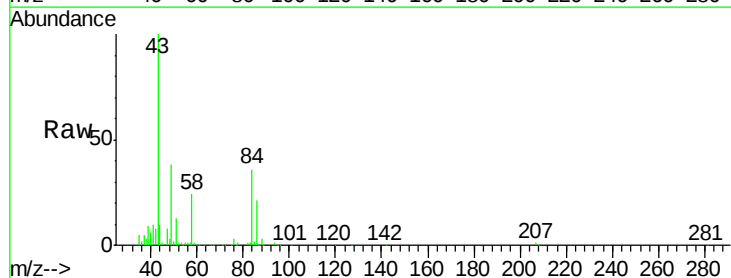
Acq: 13 Mar 2019 13:42

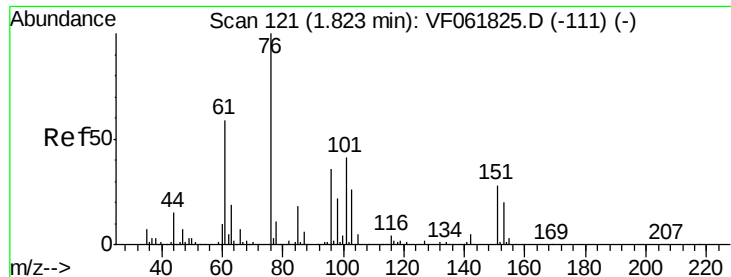
Tgt Ion: 43 Resp: 136928

Ion Ratio Lower Upper

43 100

58 24.2 20.3 30.5

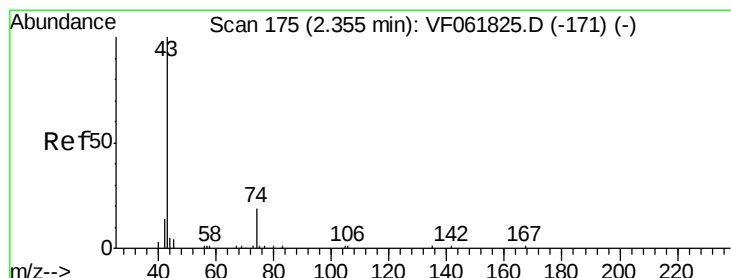
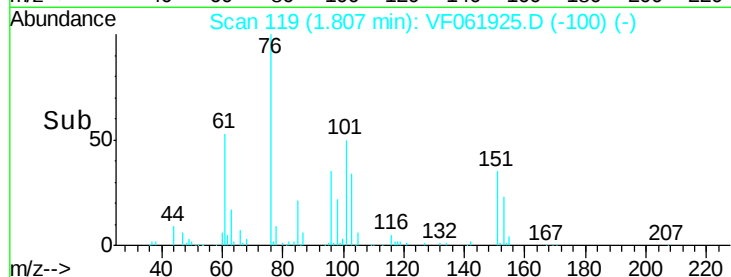
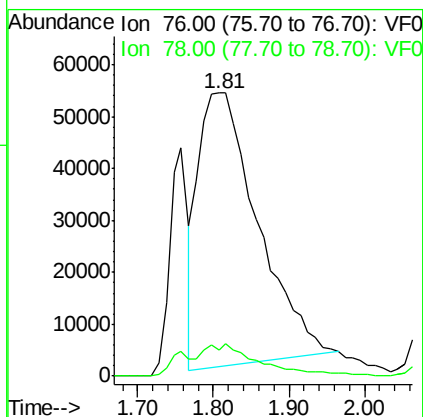
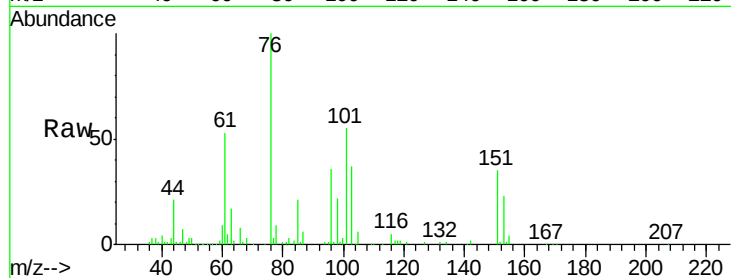




#17
Carbon Disulfide
Concen: 36.750 ug/l
RT: 1.81 min Scan# 119
Delta R.T. -0.02 min
Lab File: VF061925.D
Acq: 13 Mar 2019 13:42

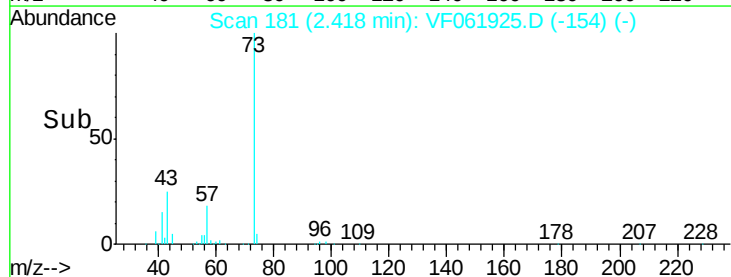
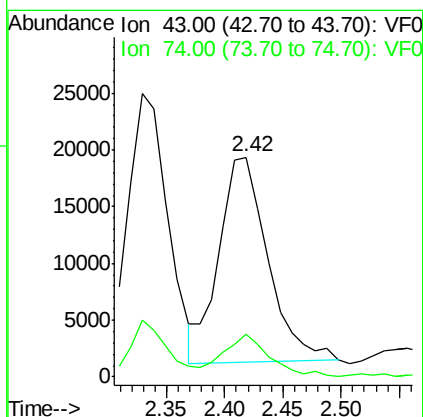
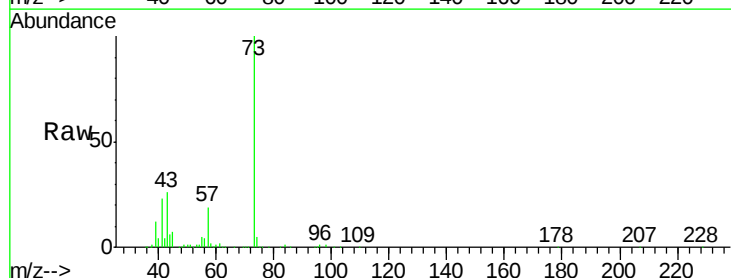
Instrument :
MSVOA_F
ClientSampleId :
BFB

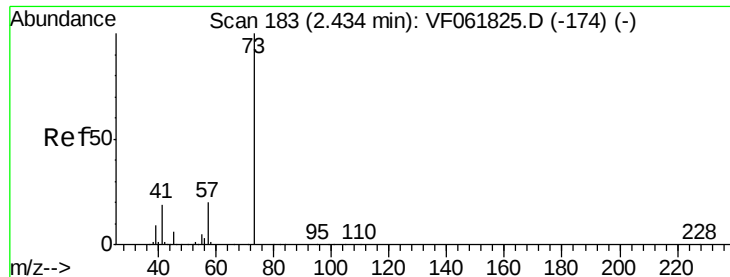
Tot Ion: 76 Resp: 287209
Ion Ratio Lower Upper
76 100
78 9.3 9.1 13.7



#18
Methyl Acetate
Concen: 60.333 ug/l
RT: 2.42 min Scan# 181
Delta R.T. 0.06 min
Lab File: VF061925.D
Acq: 13 Mar 2019 13:42

Tgt Ion: 43 Resp: 52818
Ion Ratio Lower Upper
43 100
74 19.5 13.2 19.8

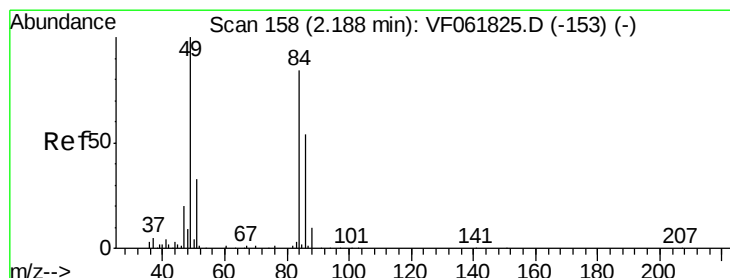
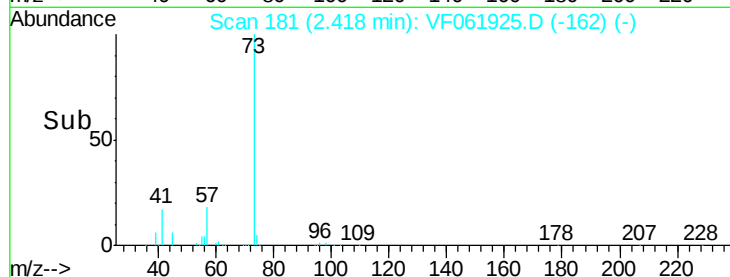
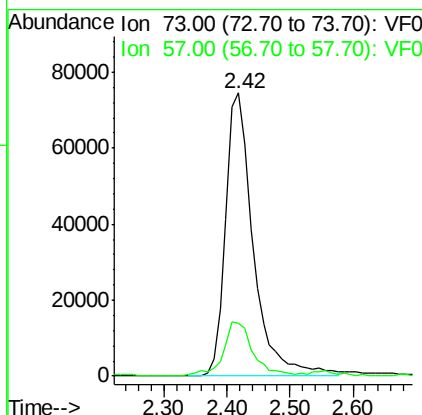
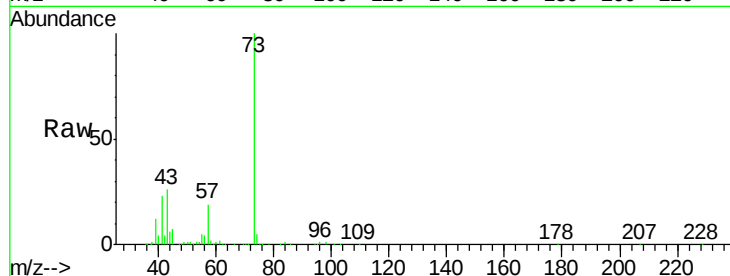




#19
Methyl tert-butyl Ether
Concen: 53.570 ug/l
RT: 2.42 min Scan# 181
Delta R.T. -0.02 min
Lab File: VF061925.D
Acq: 13 Mar 2019 13:42

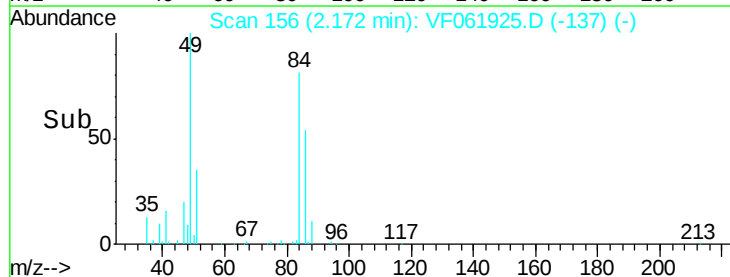
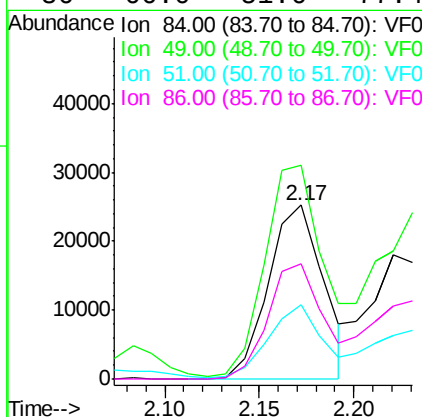
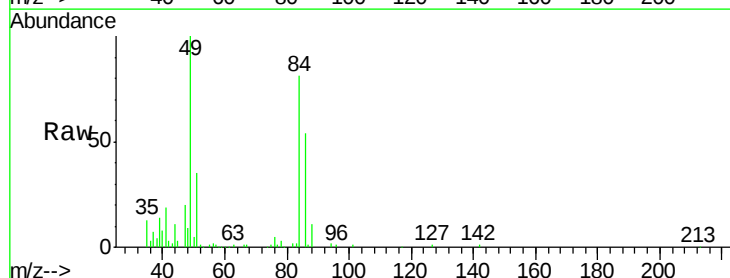
Instrument :
MSVOA_F
ClientSampleId :
BFB

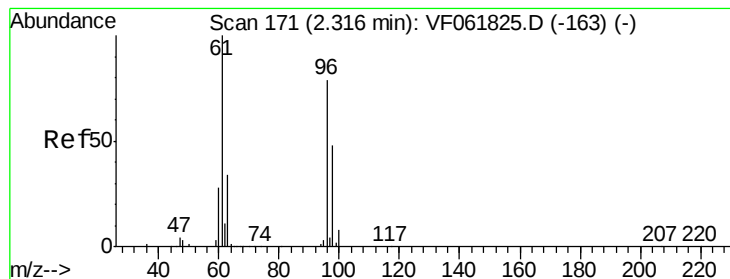
Tot Ion: 73 Resp: 227521
Ion Ratio Lower Upper
73 100
57 18.7 16.1 24.1



#20
Methylene Chloride
Concen: 17.088 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.02 min
Lab File: VF061925.D
Acq: 13 Mar 2019 13:42

Tgt Ion: 84 Resp: 51129
Ion Ratio Lower Upper
84 100
49 123.0 96.8 145.2
51 42.6 31.8 47.6
86 66.0 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 59.554 ug/l

RT: 2.30 min Scan# 169

Delta R.T. -0.02 min

Lab File: VF061925.D

Acq: 13 Mar 2019 13:42

Instrument :

MSVOA_F

ClientSampleId :

BFB

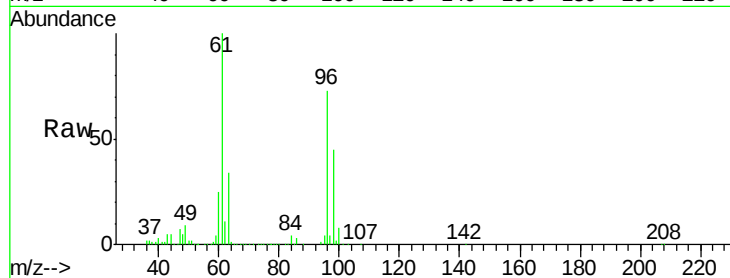
Tot Ion: 96 Resp: 140723

Ion Ratio Lower Upper

96 100

61 136.8 101.0 151.6

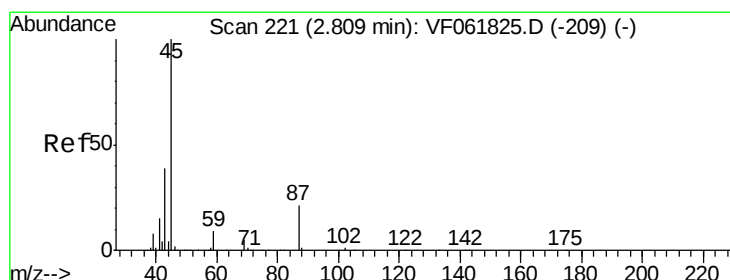
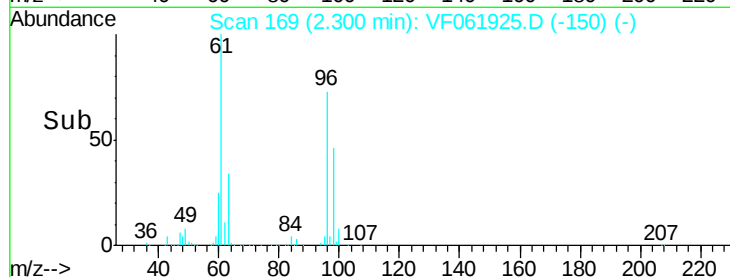
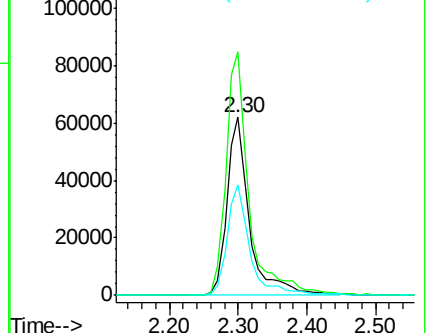
98 62.2 48.8 73.2



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: 55.961 ug/l

RT: 2.78 min Scan# 218

Delta R.T. -0.03 min

Lab File: VF061925.D

Acq: 13 Mar 2019 13:42

Tgt Ion: 45 Resp: 402628

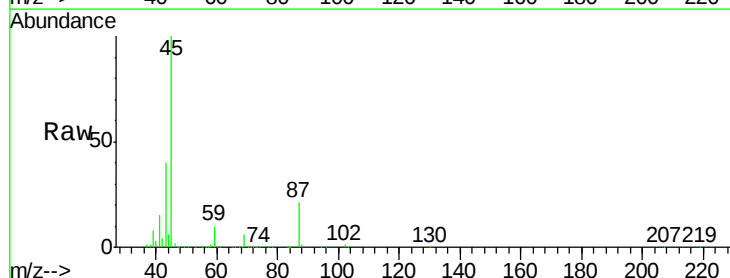
Ion Ratio Lower Upper

45 100

43 39.9 31.8 47.8

87 21.3 17.1 25.7

59 9.8 7.8 11.6

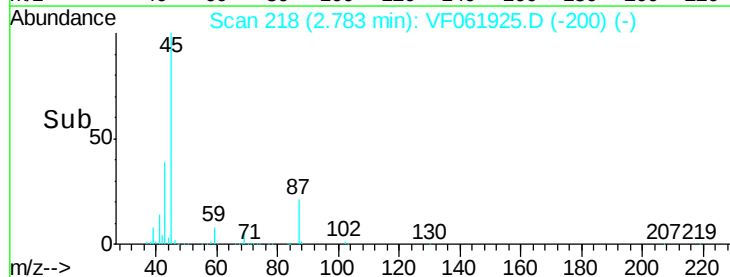
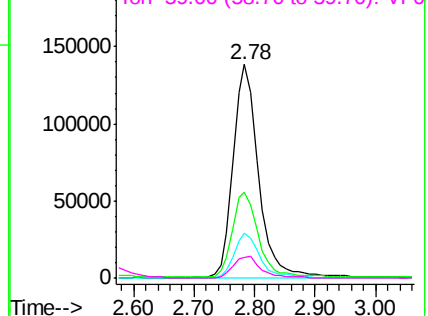


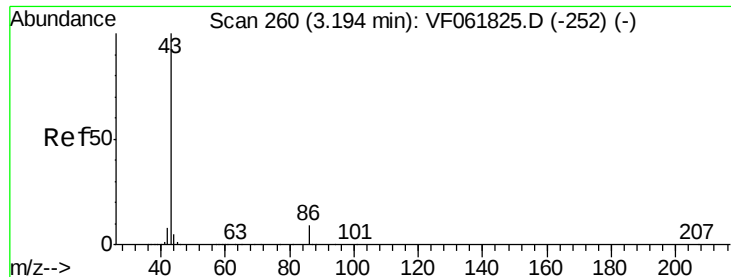
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 253.089 ug/l

RT: 3.17 min Scan# 257

Delta R.T. -0.03 min

Lab File: VF061925.D

Acq: 13 Mar 2019 13:42

Instrument :

MSVOA_F

ClientSampleId :

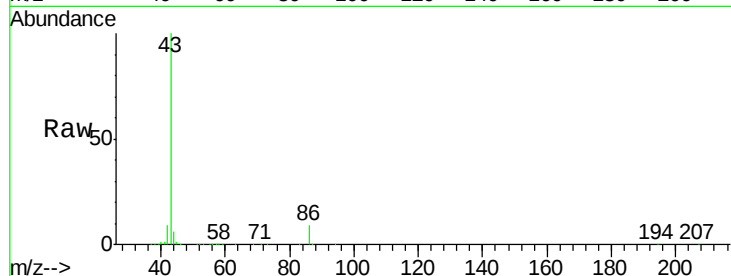
BFB

Tot Ion: 43 Resp: 813473

Ion Ratio Lower Upper

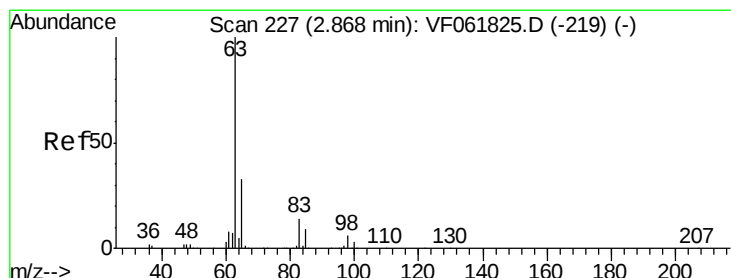
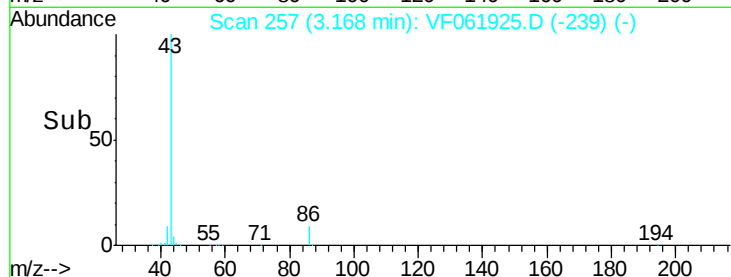
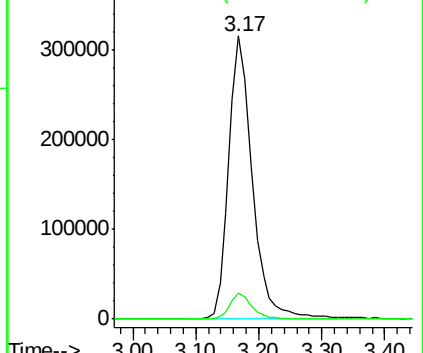
43 100

86 9.0 7.0 10.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 55.050 ug/l

RT: 2.85 min Scan# 225

Delta R.T. -0.02 min

Lab File: VF061925.D

Acq: 13 Mar 2019 13:42

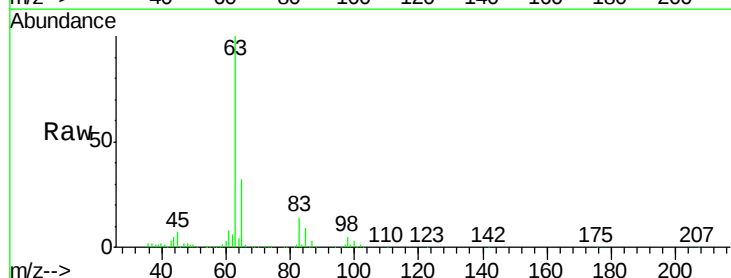
Tgt Ion: 63 Resp: 236739

Ion Ratio Lower Upper

63 100

98 5.5 2.9 8.6

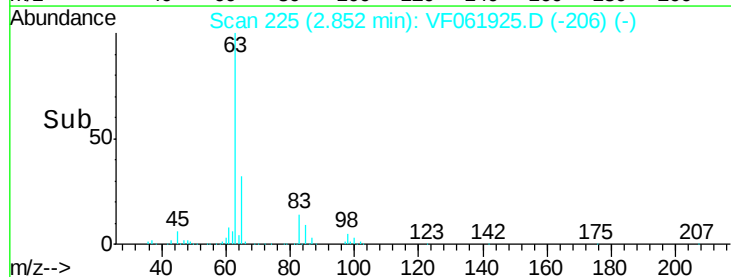
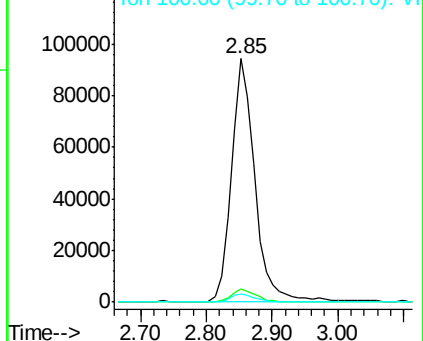
100 3.2 1.8 5.3

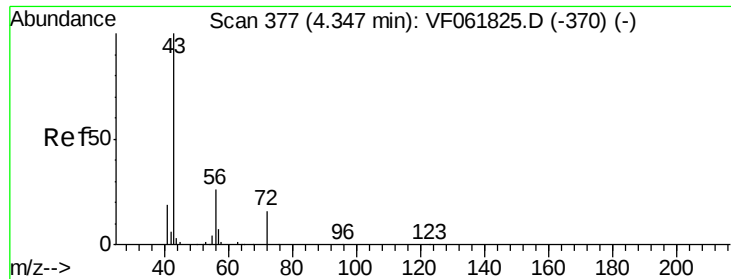


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 268.071 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.04 min

Lab File: VF061925.D

Acq: 13 Mar 2019 13:42

Instrument :

MSVOA_F

ClientSampleId :

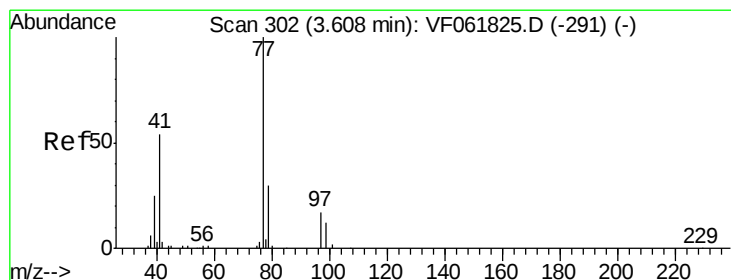
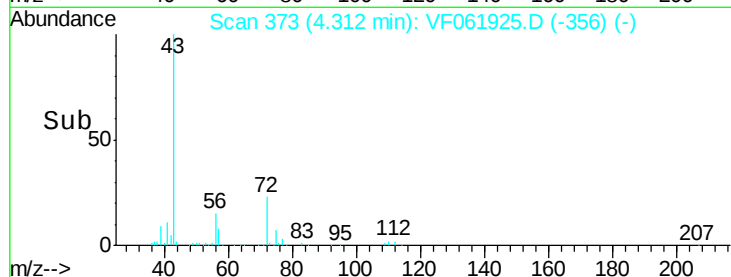
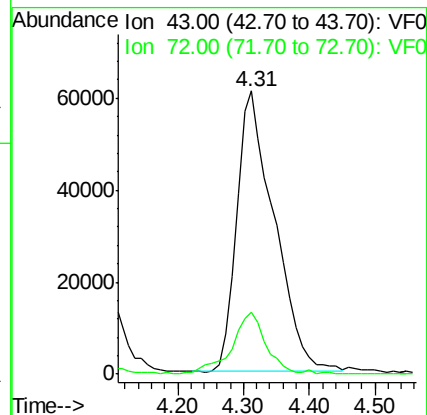
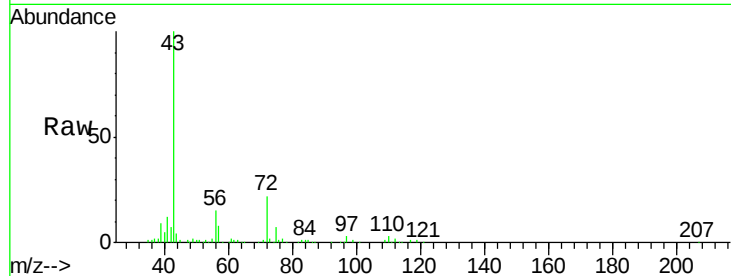
BFB

Tot Ion: 43 Resp: 244186

Ion Ratio Lower Upper

43 100

72 22.0 16.2 24.4



#26

2,2-Dichloropropane

Concen: 57.961 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.03 min

Lab File: VF061925.D

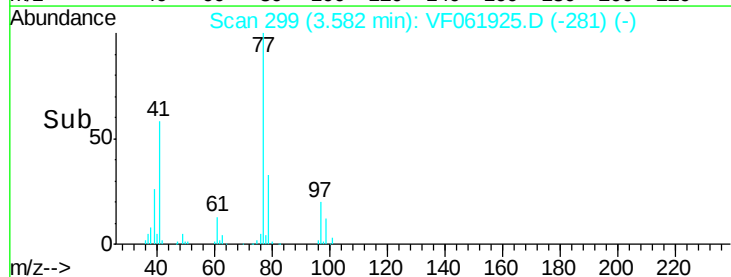
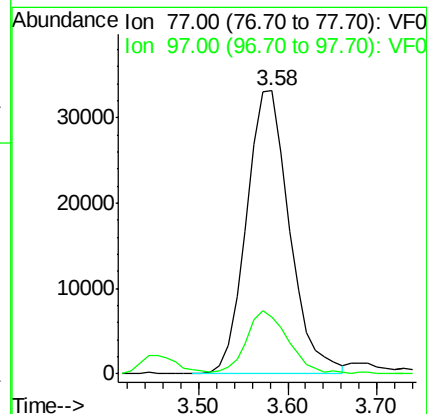
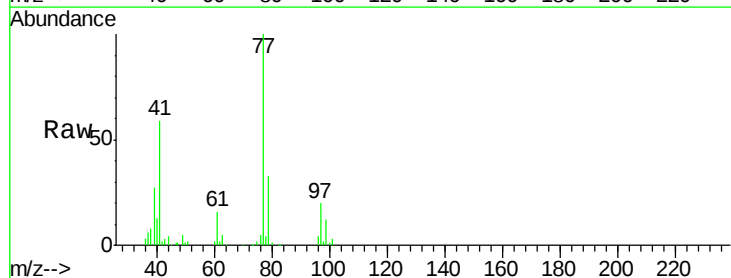
Acq: 13 Mar 2019 13:42

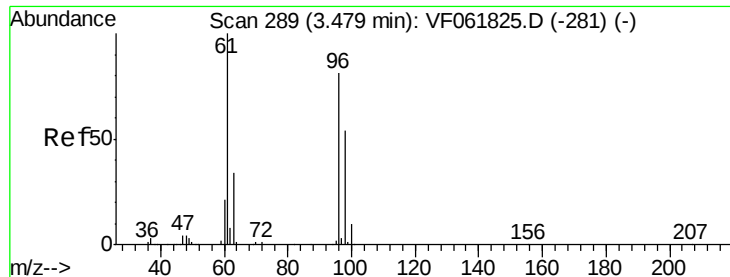
Tgt Ion: 77 Resp: 111271

Ion Ratio Lower Upper

77 100

97 20.2 10.4 31.4



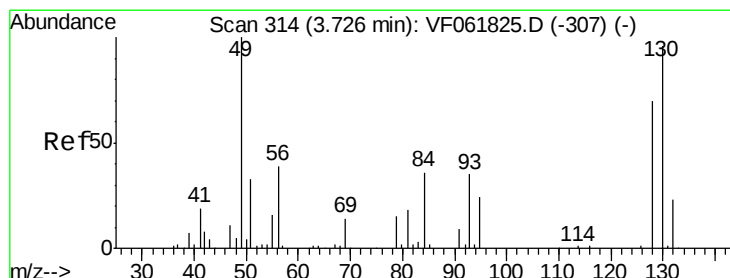
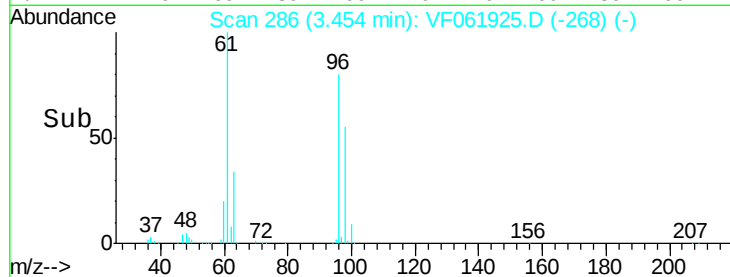
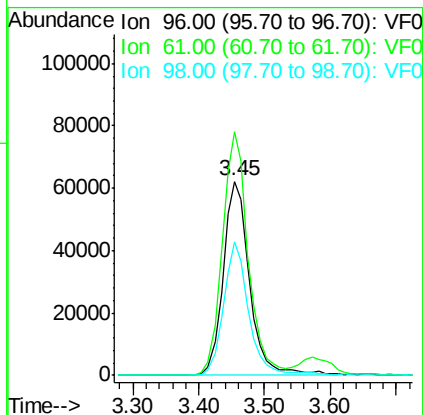
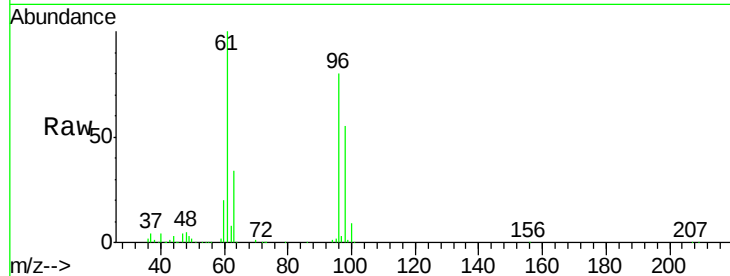


#27

cis-1,2-Dichloroethene
 Concen: 53.354 ug/l
 RT: 3.45 min Scan# 286
 Delta R.T. -0.03 min
 Lab File: VF061925.D
 Acq: 13 Mar 2019 13:42

Instrument :
 MSVOA_F
 ClientSampled :
 BFB

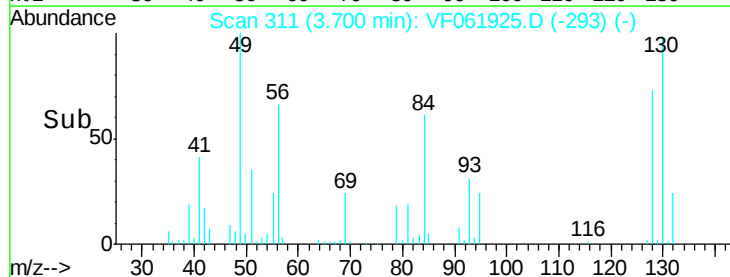
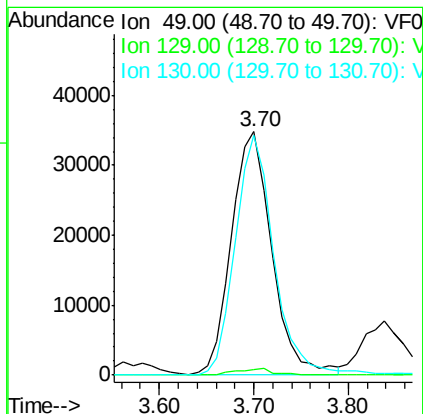
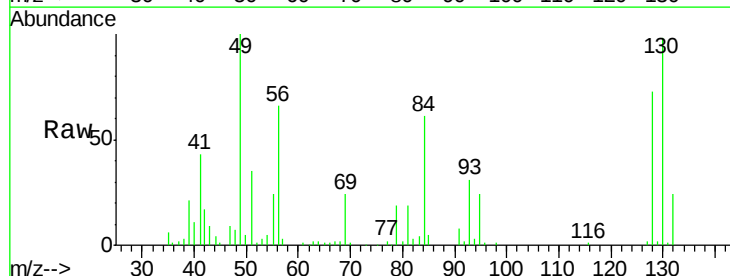
Tot Ion: 96 Resp: 174664
 Ion Ratio Lower Upper
 96 100
 61 125.5 0.0 245.8
 98 68.6 0.0 132.6

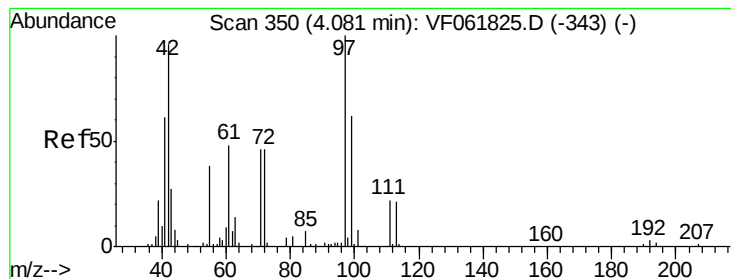


#28

Bromochloromethane
 Concen: 54.781 ug/l
 RT: 3.70 min Scan# 311
 Delta R.T. -0.03 min
 Lab File: VF061925.D
 Acq: 13 Mar 2019 13:42

Tgt Ion: 49 Resp: 102692
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 0.0#
 130 98.4 76.9 115.3





#29

Tetrahydrofuran

Concen: 253.951 ug/l

RT: 4.05 min Scan# 346

Delta R.T. -0.04 min

Lab File: VF061925.D

Acq: 13 Mar 2019 13:42

Instrument :

MSVOA_F

ClientSampleId :

BFB

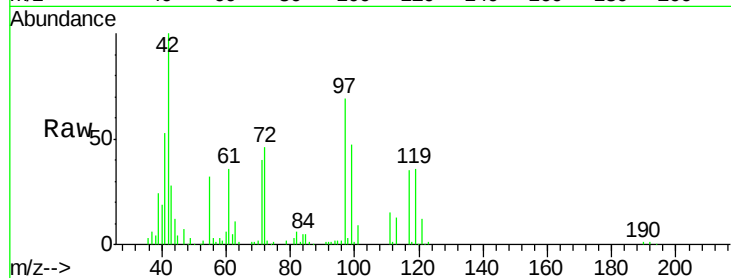
Tot Ion: 42 Resp: 99763

Ion Ratio Lower Upper

42 100

72 42.8 34.4 51.6

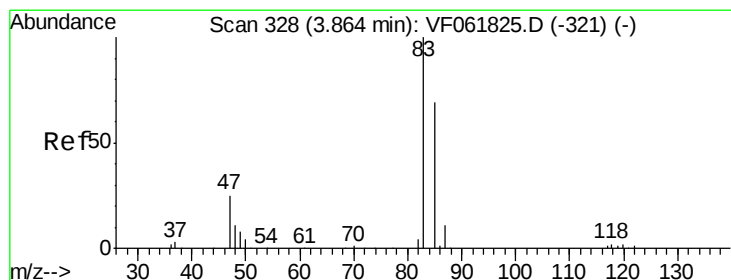
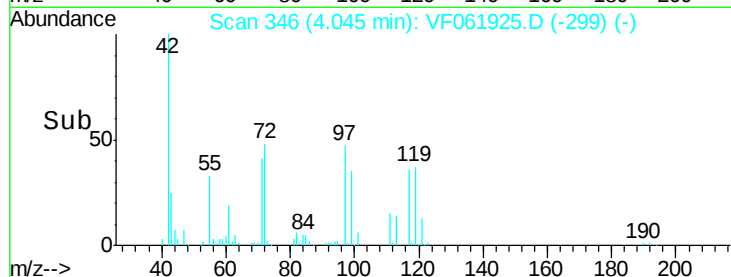
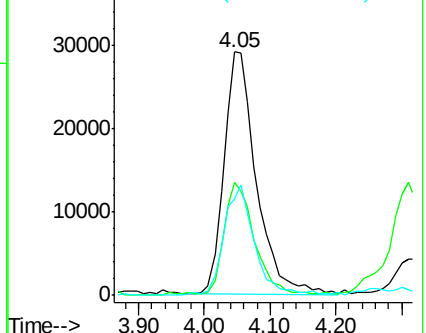
71 43.5 34.6 52.0



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 53.002 ug/l

RT: 3.84 min Scan# 325

Delta R.T. -0.03 min

Lab File: VF061925.D

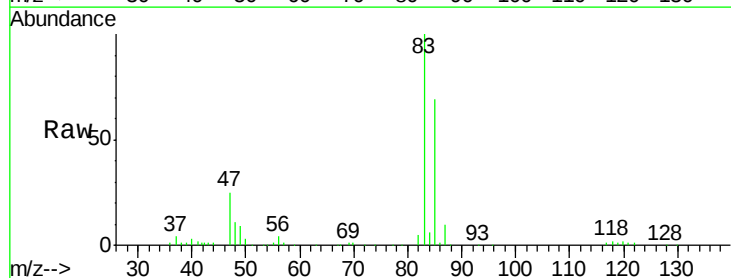
Acq: 13 Mar 2019 13:42

Tgt Ion: 83 Resp: 260349

Ion Ratio Lower Upper

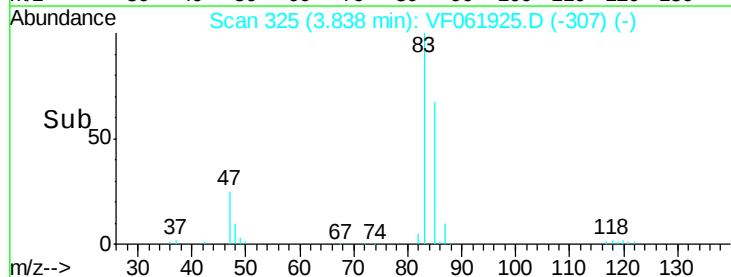
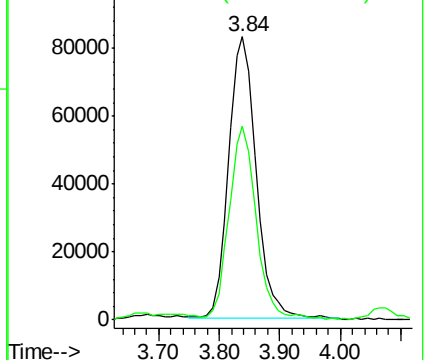
83 100

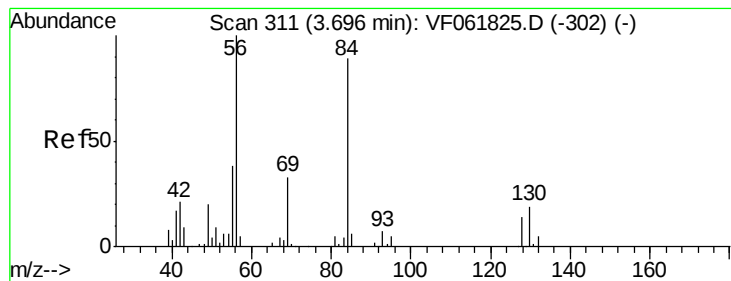
85 68.6 55.3 82.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 51.635 ug/l

RT: 3.68 min Scan# 309

Delta R.T. -0.02 min

Lab File: VF061925.D

Acq: 13 Mar 2019 13:42

Instrument :

MSVOA_F

ClientSampleId :

BFB

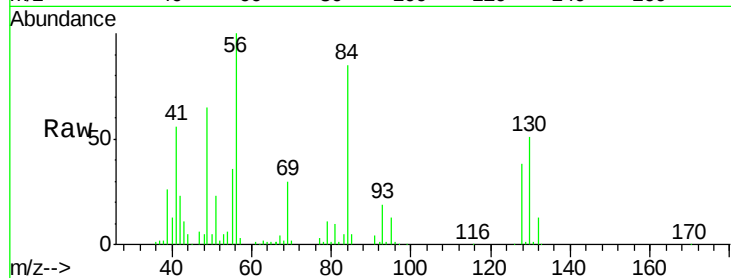
Tot Ion: 56 Resp: 232581

Ion Ratio Lower Upper

56 100

69 30.2 26.0 39.0

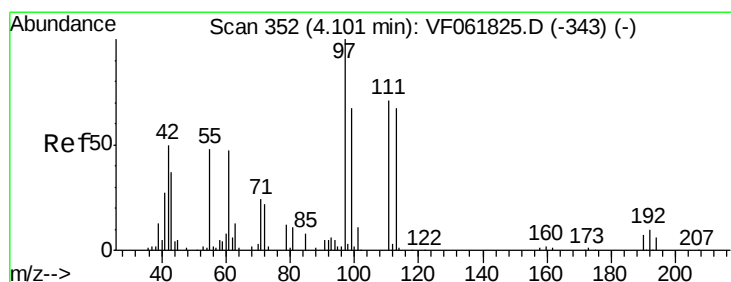
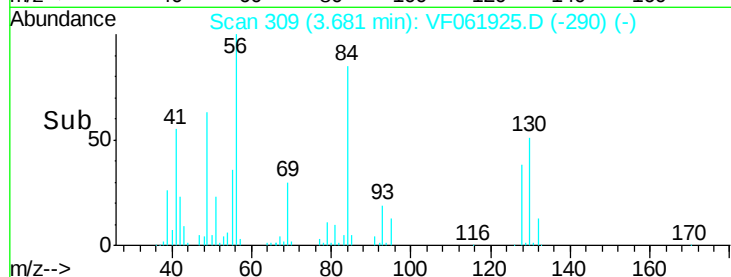
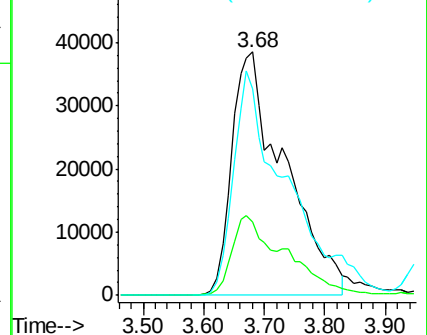
84 84.7 71.0 106.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 52.195 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.03 min

Lab File: VF061925.D

Acq: 13 Mar 2019 13:42

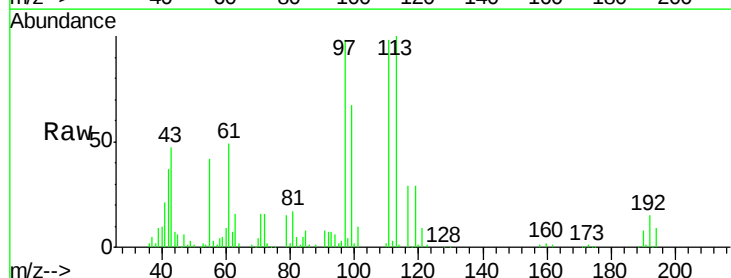
Tgt Ion: 97 Resp: 158031

Ion Ratio Lower Upper

97 100

99 67.8 53.8 80.8

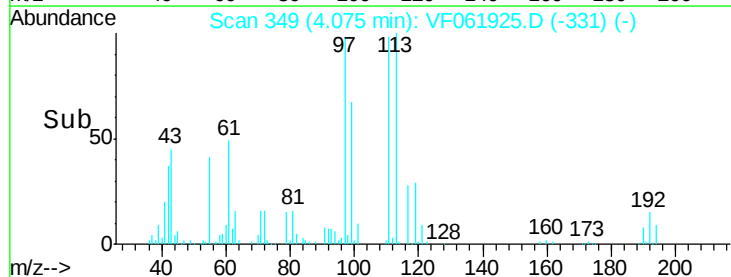
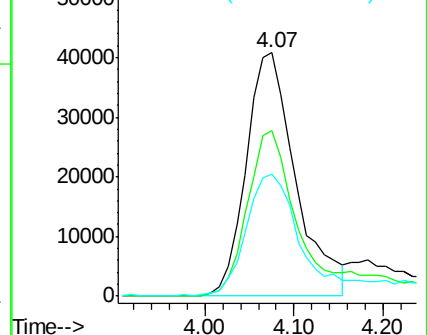
61 50.1 37.9 56.9

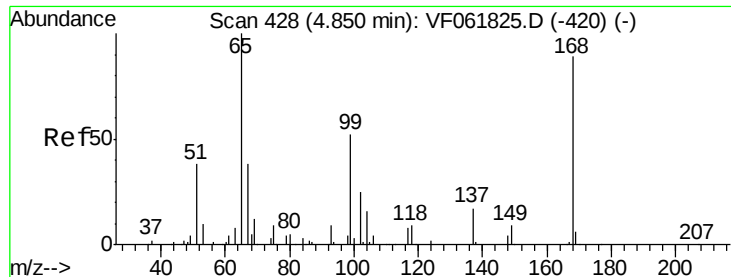


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 55.369 ug/l

RT: 4.81 min Scan# 424

Delta R.T. -0.04 min

Lab File: VF061925.D

Acq: 13 Mar 2019 13:42

Instrument :

MSVOA_F

ClientSampleId :

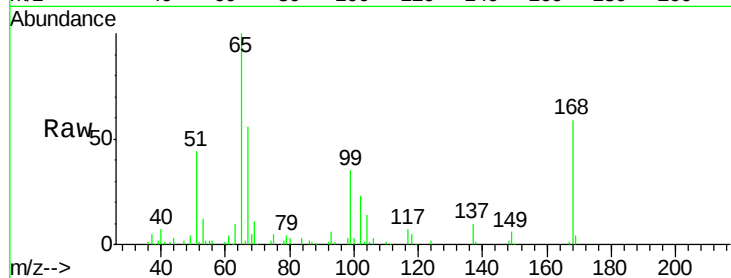
BFB

Tot Ion: 65 Resp: 118370

Ion Ratio Lower Upper

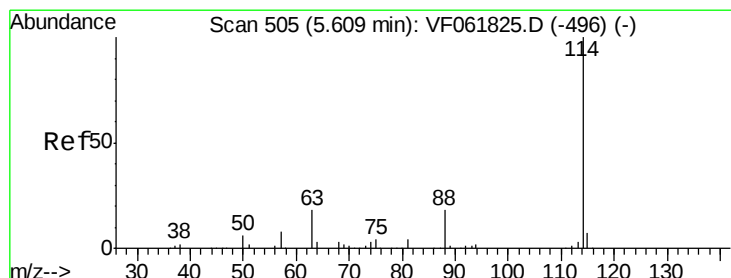
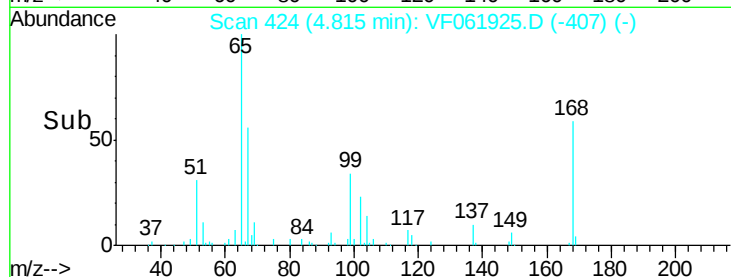
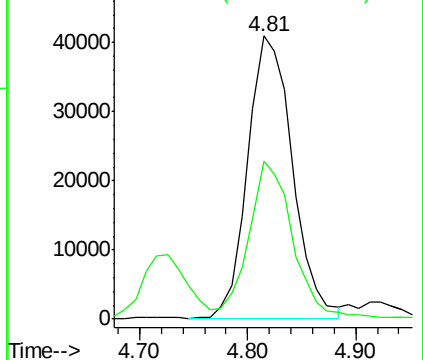
65 100

67 55.6 0.0 108.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.57 min Scan# 501

Delta R.T. -0.04 min

Lab File: VF061925.D

Acq: 13 Mar 2019 13:42

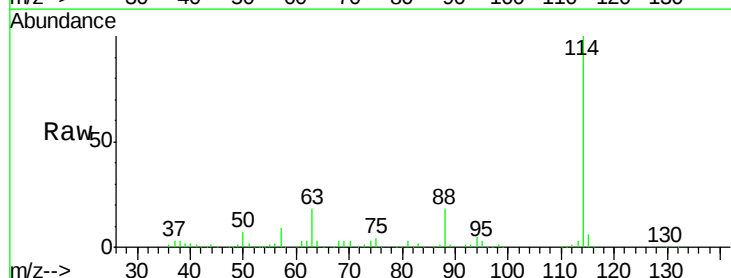
Tgt Ion: 114 Resp: 462411

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.6

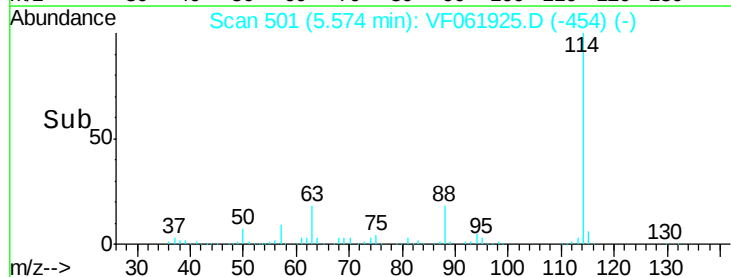
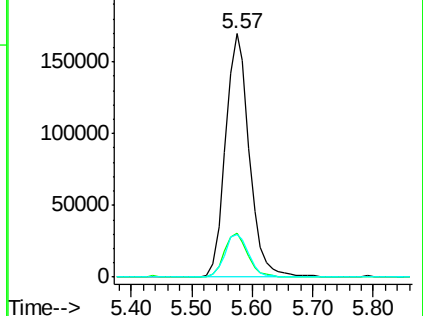
88 17.7 0.0 35.6

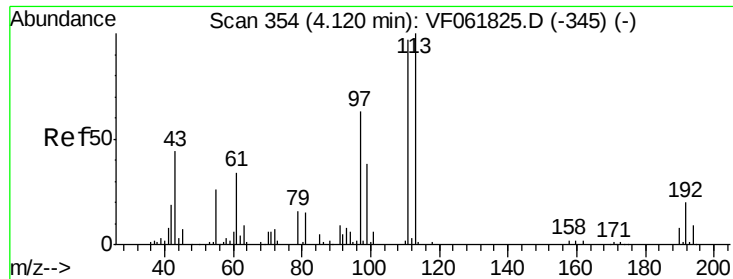


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

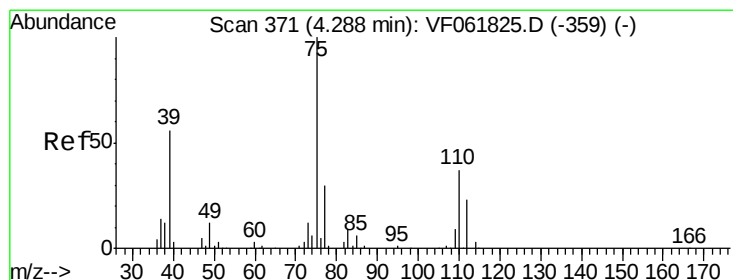
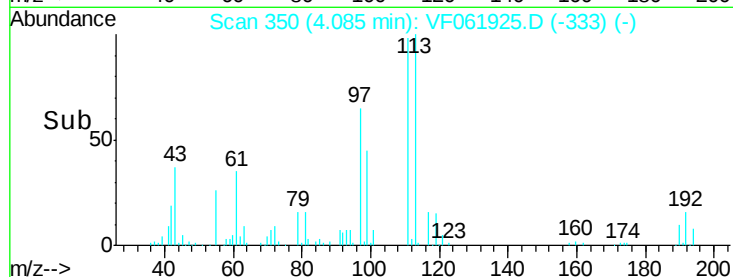
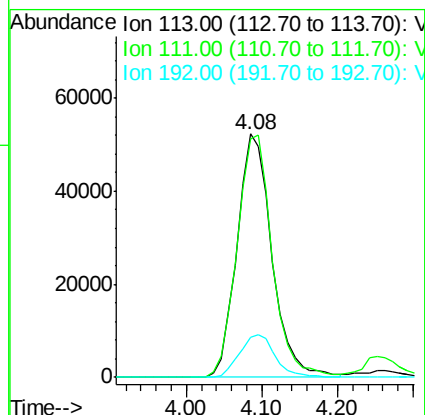
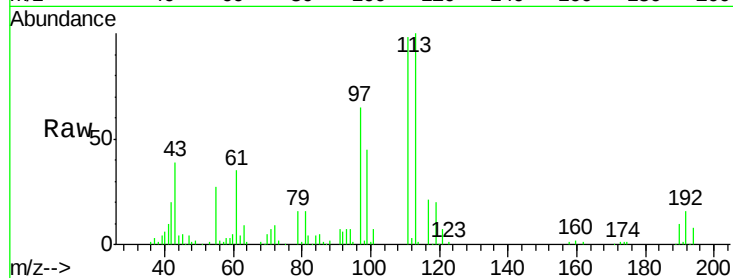




#35
Dibromofluoromethane
Concen: 51.723 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.04 min
Lab File: VF061925.D
Acq: 13 Mar 2019 13:42

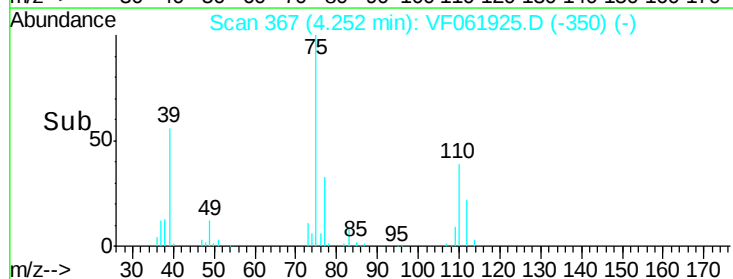
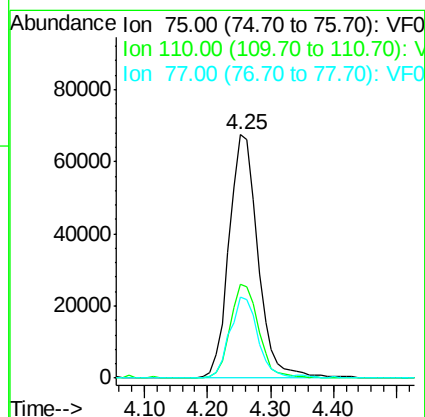
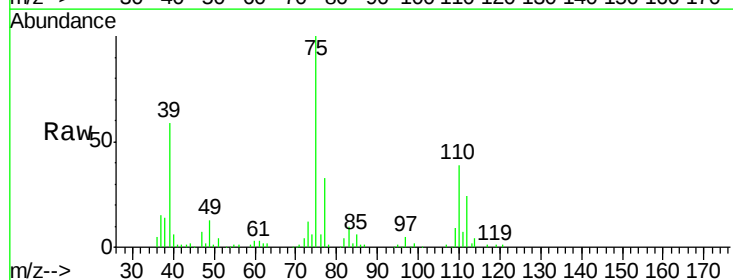
Instrument :
MSVOA_F
ClientSampleId :
BFB

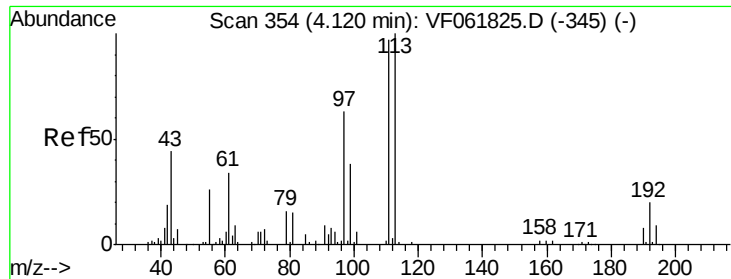
Tot Ion:113 Resp: 166911
Ion Ratio Lower Upper
113 100
111 97.8 77.6 116.4
192 16.3 15.9 23.9



#36
1,1-Dichloropropene
Concen: 49.168 ug/l
RT: 4.25 min Scan# 367
Delta R.T. -0.04 min
Lab File: VF061925.D
Acq: 13 Mar 2019 13:42

Tgt Ion: 75 Resp: 214764
Ion Ratio Lower Upper
75 100
110 38.7 18.6 55.6
77 33.1 24.2 36.2

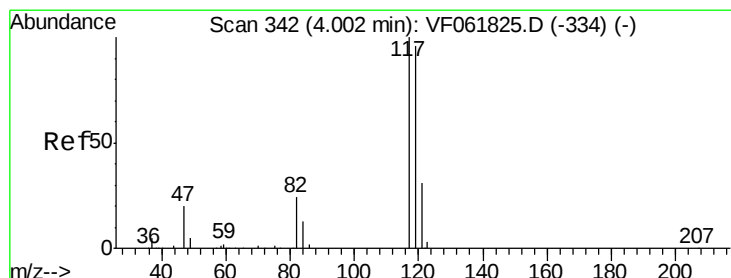
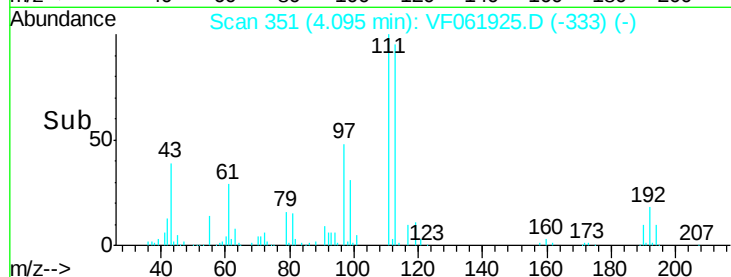
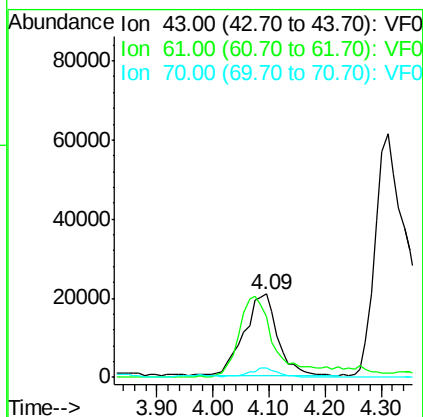
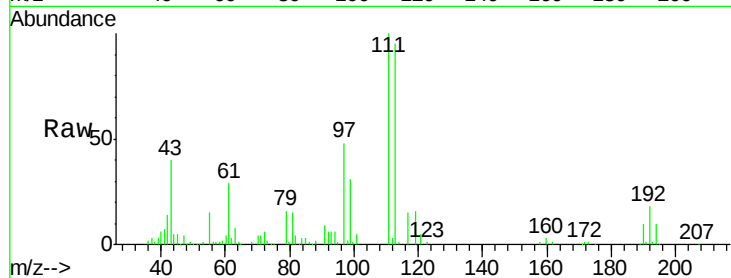




#37
Ethyl Acetate
Concen: 45.896 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.03 min
Lab File: VF061925.D
Acq: 13 Mar 2019 13:42

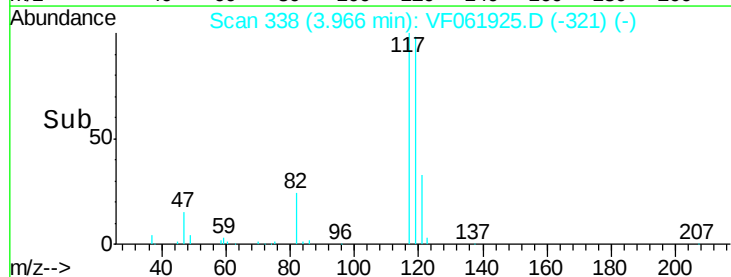
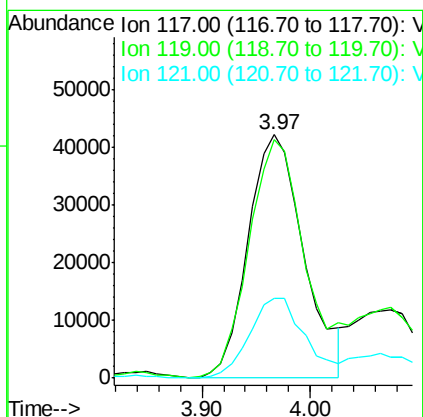
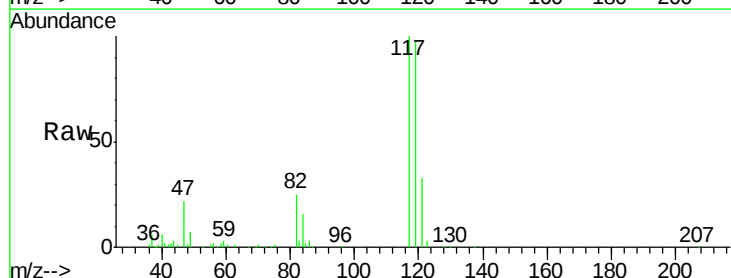
Instrument :
MSVOA_F
ClientSampleId :
BFB

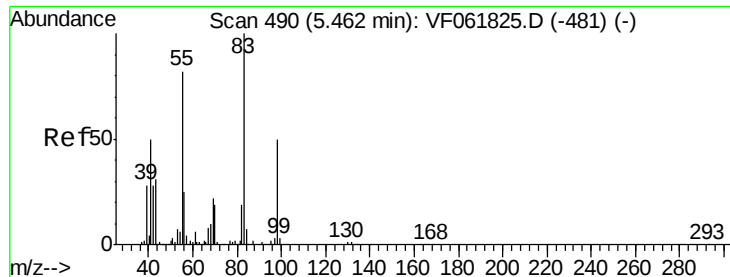
Tot Ion: 43 Resp: 84146
Ion Ratio Lower Upper
43 100
61 73.0 60.7 91.1
70 10.8 10.6 15.8



#38
Carbon Tetrachloride
Concen: 48.772 ug/l
RT: 3.97 min Scan# 338
Delta R.T. -0.04 min
Lab File: VF061925.D
Acq: 13 Mar 2019 13:42

Tgt Ion: 117 Resp: 150808
Ion Ratio Lower Upper
117 100
119 98.1 76.6 114.8
121 32.7 24.4 36.6





#39

Methvlcvclohexane

Concen: 50.732 ug/l

RT: 5.43 min Scan# 486

Delta R.T. -0.04 min

Lab File: VF061925.D

Acq: 13 Mar 2019 13:42

Instrument :

MSVOA_F

ClientSampleId :

BFB

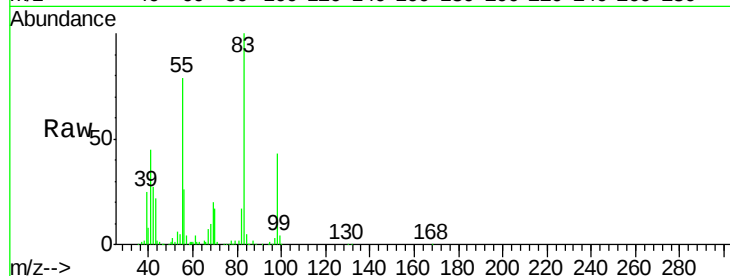
Tot Ion: 83 Resp: 261739

Ion Ratio Lower Upper

83 100

55 78.6 66.0 99.0

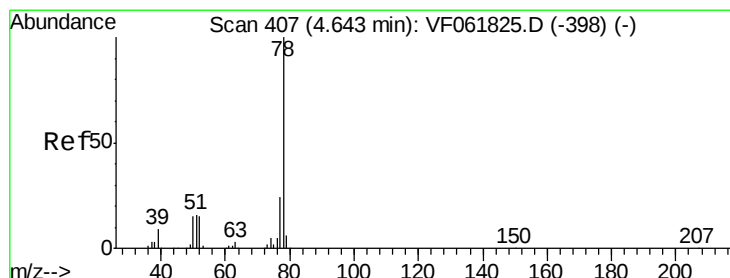
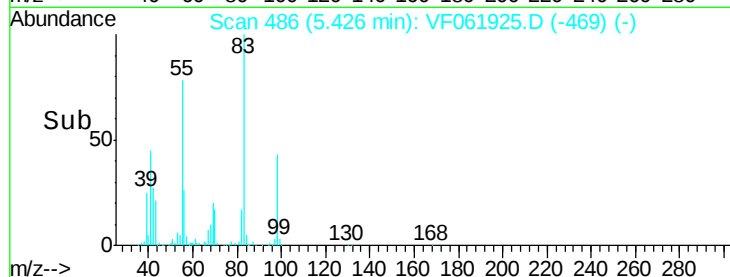
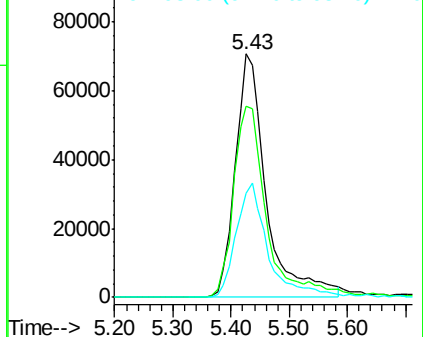
98 42.8 39.8 59.6



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#40

Benzene

Concen: 48.328 ug/l

RT: 4.61 min Scan# 403

Delta R.T. -0.04 min

Lab File: VF061925.D

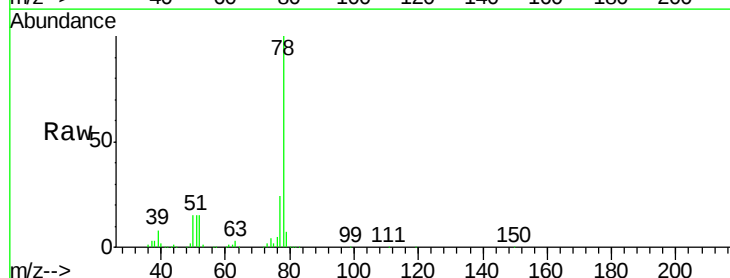
Acq: 13 Mar 2019 13:42

Tgt Ion: 78 Resp: 551787

Ion Ratio Lower Upper

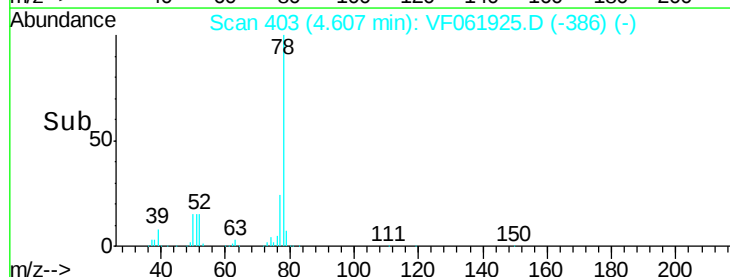
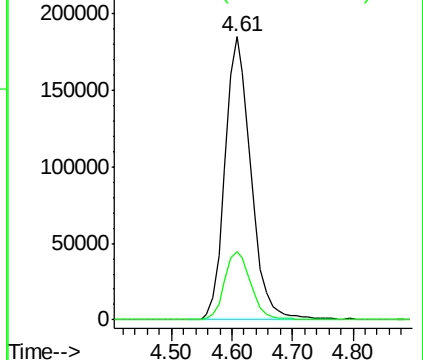
78 100

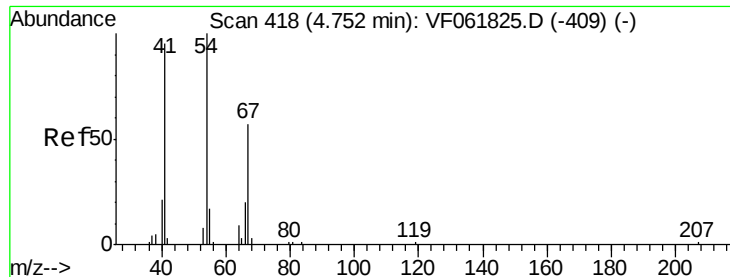
77 24.1 19.5 29.3



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

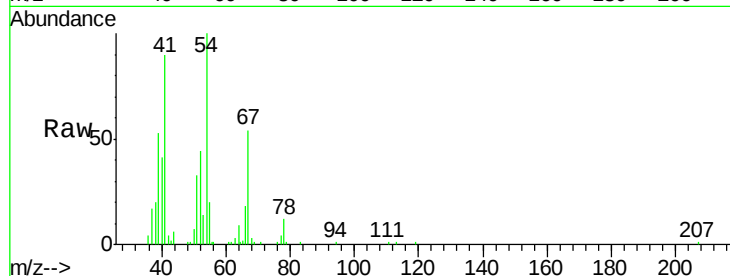




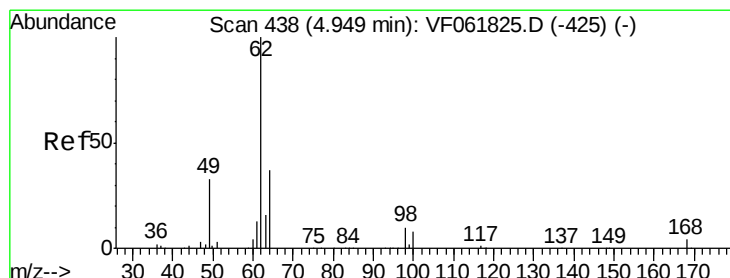
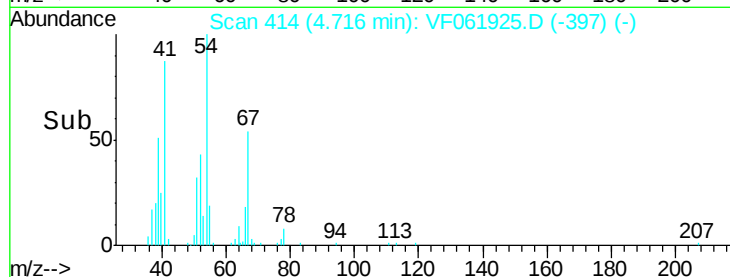
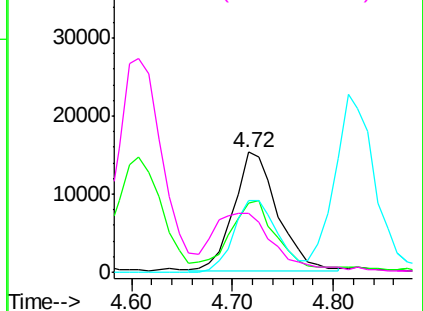
#41
Methacrylonitrile
Concen: 45.933 ug/l
RT: 4.72 min Scan# 414
Delta R.T. -0.04 min
Lab File: VF061925.D
Acq: 13 Mar 2019 13:42

Instrument :
MSVOA_F
ClientSampleId :
BFB

Tot Ion:	41	Resp:	46139
Ion	Ratio	Lower	Upper
41	100		
39	58.1	43.0	64.6
67	59.5	47.8	71.8
52	49.2	40.5	60.7

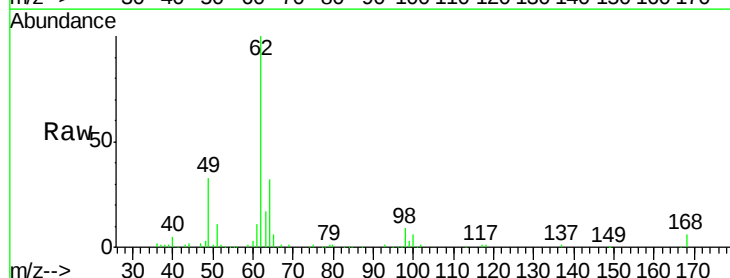


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

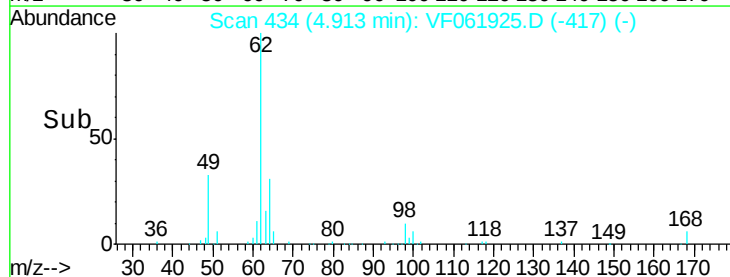
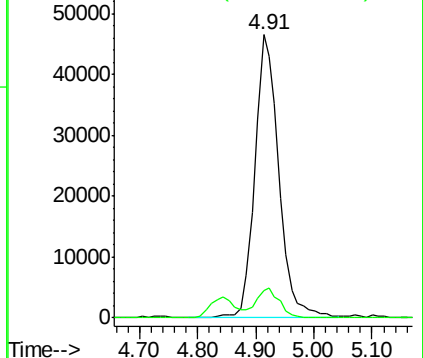


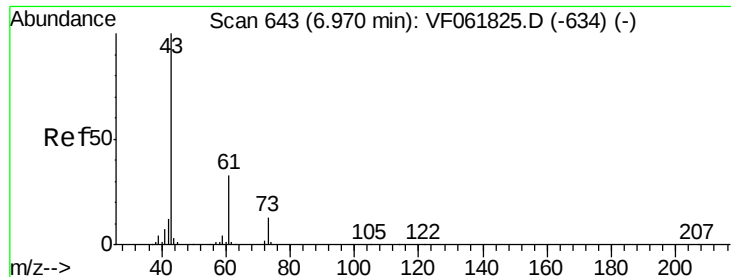
#42
1,2-Dichloroethane
Concen: 47.653 ug/l
RT: 4.91 min Scan# 434
Delta R.T. -0.04 min
Lab File: VF061925.D
Acq: 13 Mar 2019 13:42

Tgt Ion:	62	Resp:	135590
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	21.0



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



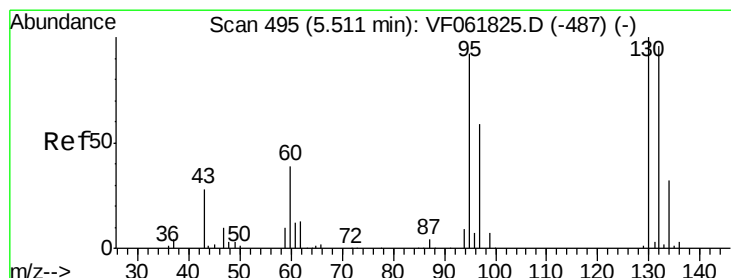
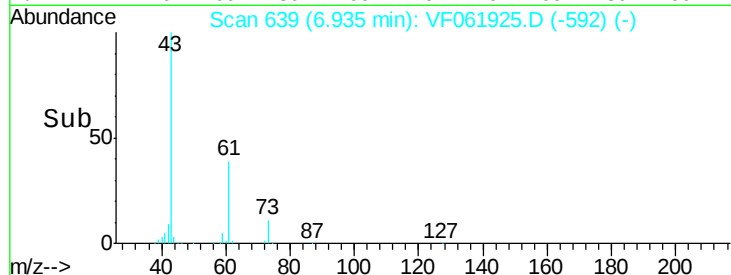
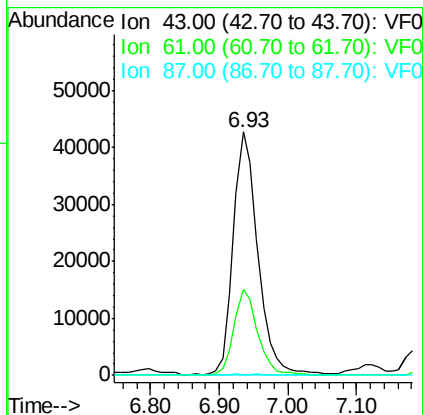
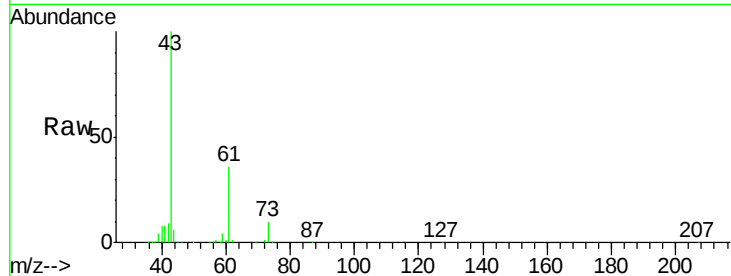


#43

Isopropyl Acetate
 Concen: 46.598 ug/l
 RT: 6.93 min Scan# 639
 Delta R.T. -0.04 min
 Lab File: VF061925.D
 Acq: 13 Mar 2019 13:42

Instrument :
 MSVOA_F
 ClientSampled :
 BFB

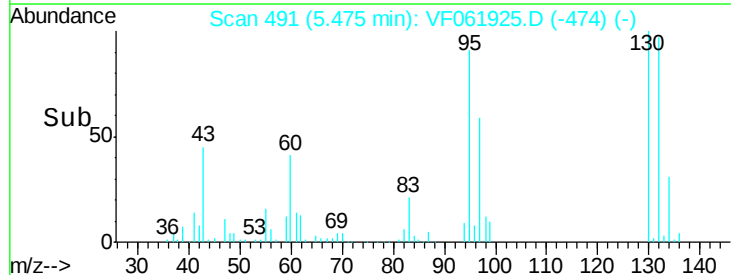
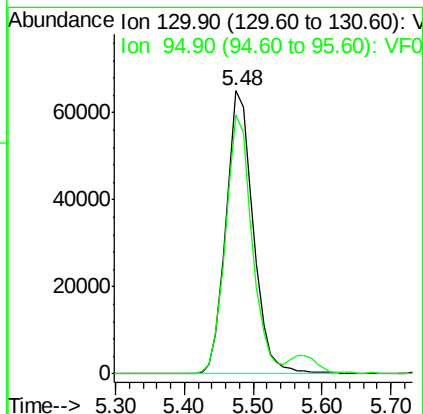
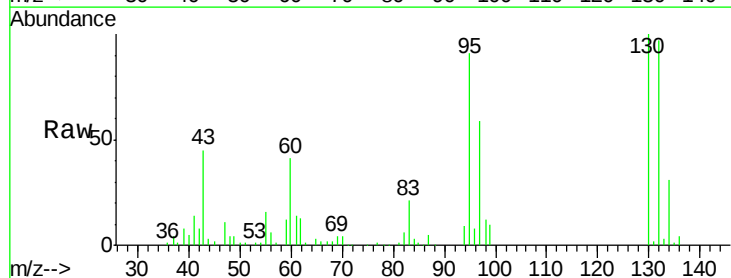
Tot Ion: 43 Resp: 105310
 Ion Ratio Lower Upper
 43 100
 61 35.7 26.1 39.1
 87 0.3 0.0 0.0#

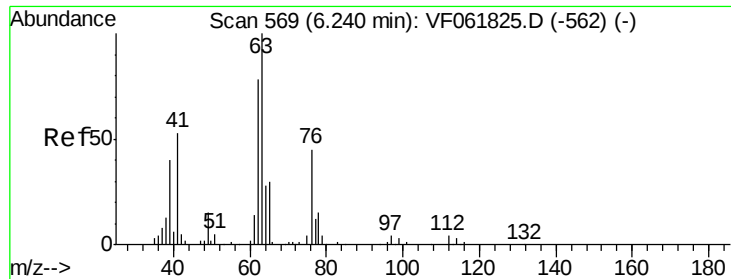


#44

Trichloroethene
 Concen: 50.370 ug/l
 RT: 5.48 min Scan# 491
 Delta R.T. -0.04 min
 Lab File: VF061925.D
 Acq: 13 Mar 2019 13:42

Tgt Ion:130 Resp: 178723
 Ion Ratio Lower Upper
 130 100
 95 91.3 0.0 184.0





#45

1,2-Dichloropropane

Concen: 51.305 ug/l

RT: 6.21 min Scan# 566

Delta R.T. -0.03 min

Lab File: VF061925.D

Acq: 13 Mar 2019 13:42

Instrument :

MSVOA_F

ClientSampleId :

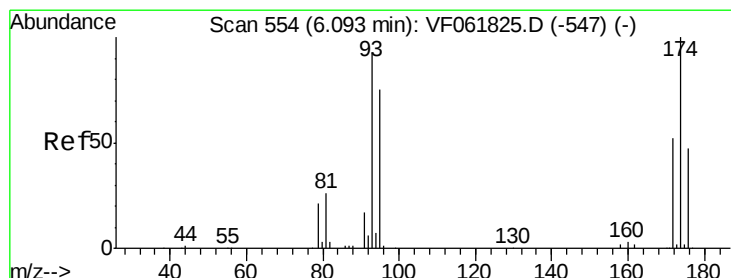
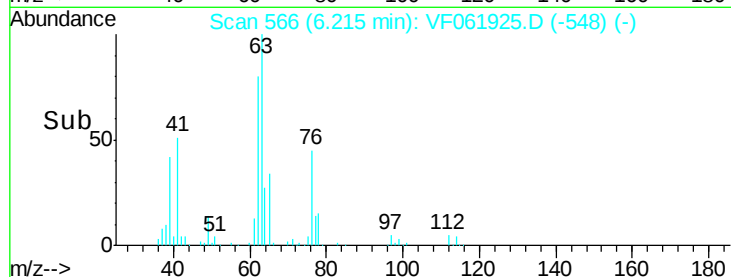
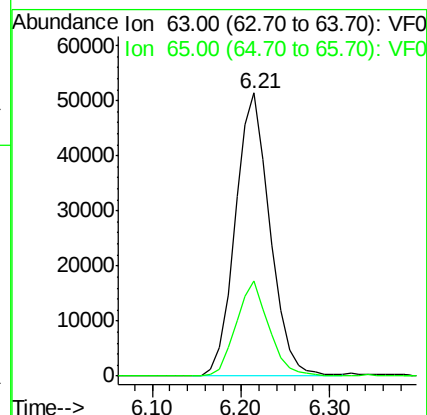
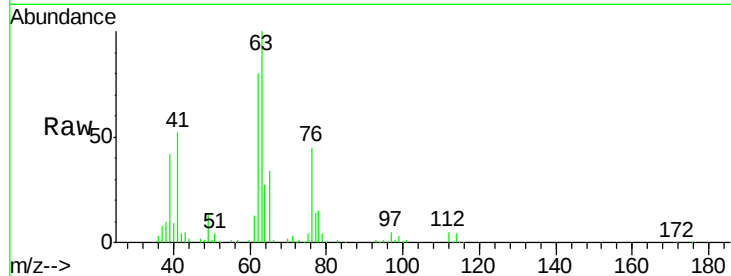
BFB

Tot Ion: 63 Resp: 139291

Ion Ratio Lower Upper

63 100

65 33.7 24.0 36.0



#46

Dibromomethane

Concen: 47.774 ug/l

RT: 6.07 min Scan# 551

Delta R.T. -0.03 min

Lab File: VF061925.D

Acq: 13 Mar 2019 13:42

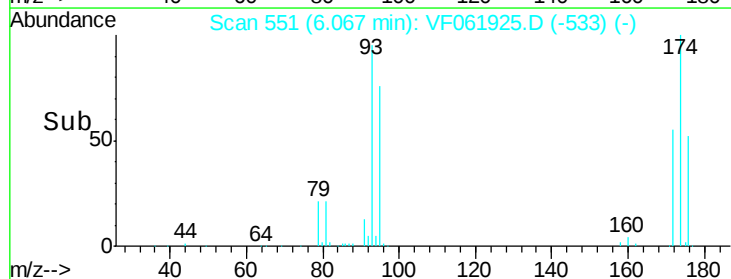
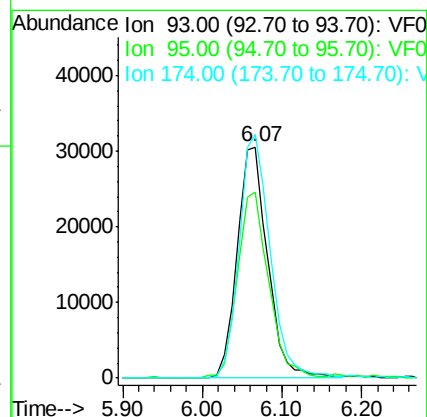
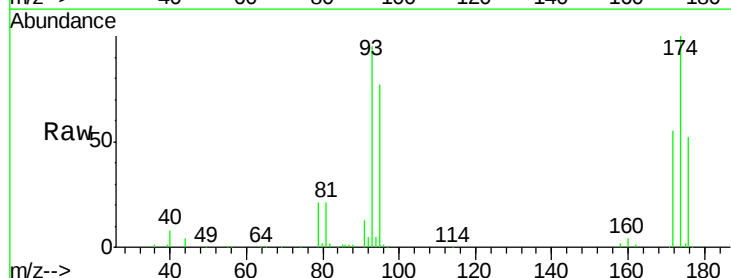
Tgt Ion: 93 Resp: 81632

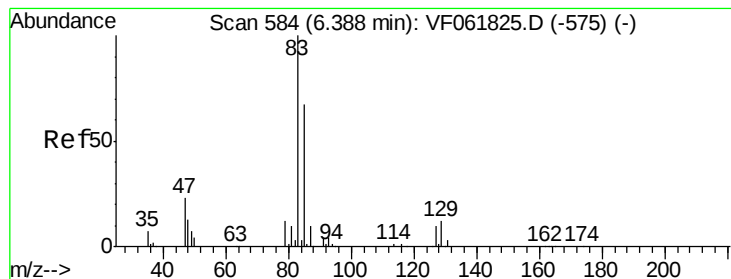
Ion Ratio Lower Upper

93 100

95 80.8 64.4 96.6

174 105.4 85.8 128.6





#47

Bromodichloromethane

Concen: 49.601 ug/l

RT: 6.36 min Scan# 581

Delta R.T. -0.03 min

Lab File: VF061925.D

Acq: 13 Mar 2019 13:42

Instrument :

MSVOA_F

ClientSampleId :

BFB

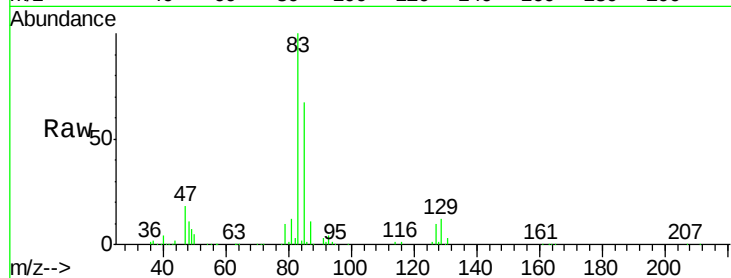
Tot Ion: 83 Resp: 187243

Ion Ratio Lower Upper

83 100

85 67.1 53.6 80.4

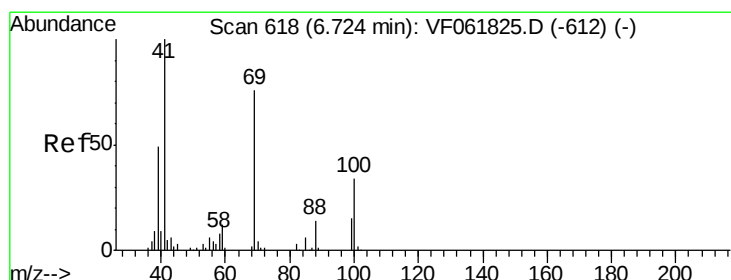
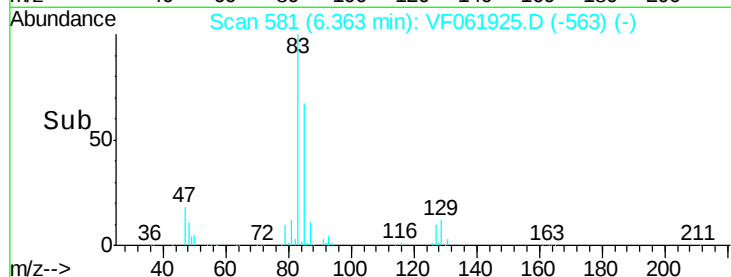
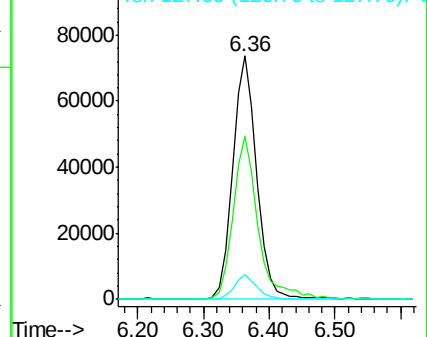
127 10.0 8.1 12.1



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: 44.857 ug/l

RT: 6.69 min Scan# 614

Delta R.T. -0.04 min

Lab File: VF061925.D

Acq: 13 Mar 2019 13:42

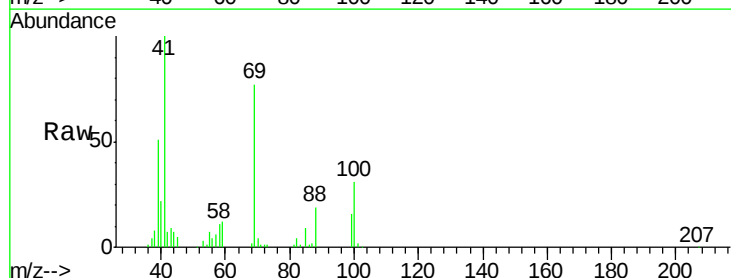
Tgt Ion: 41 Resp: 64158

Ion Ratio Lower Upper

41 100

69 77.1 60.4 90.6

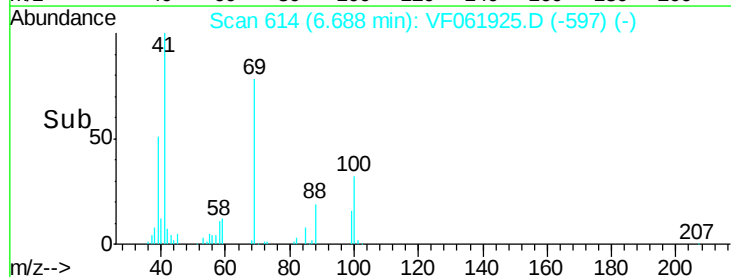
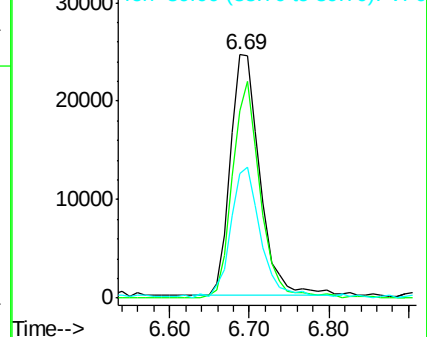
39 51.2 39.7 59.5



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

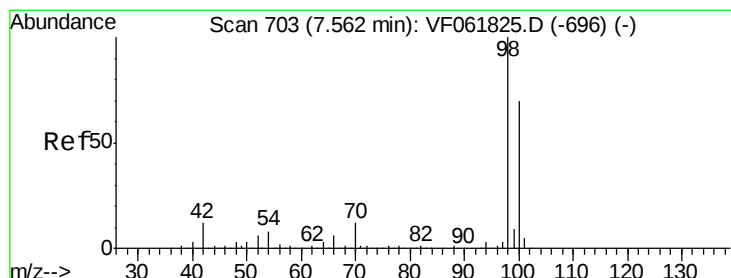
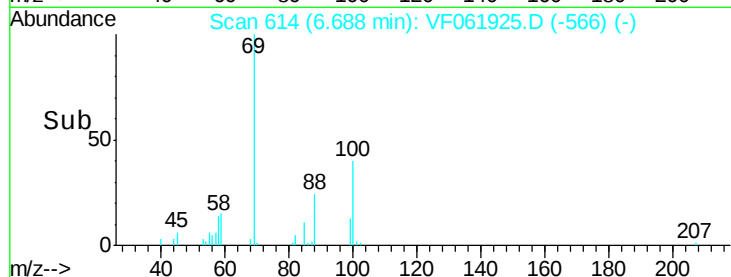
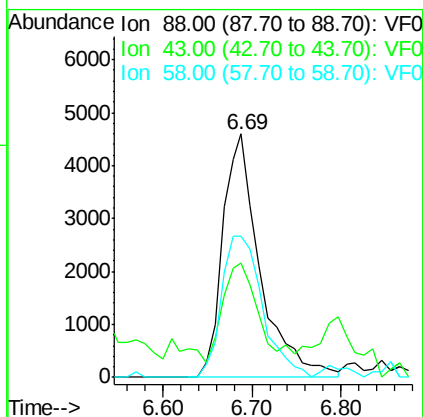
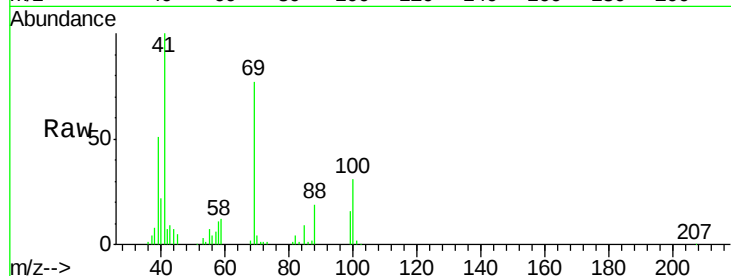




#49
1,4-Dioxane
Concen: 1030.838 ug/l
RT: 6.69 min Scan# 614
Delta R.T. -0.03 min
Lab File: VF061925.D
Acq: 13 Mar 2019 13:42

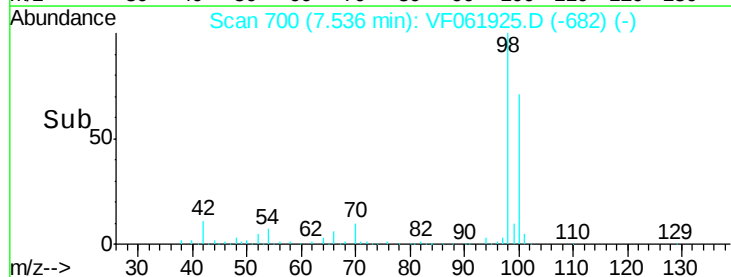
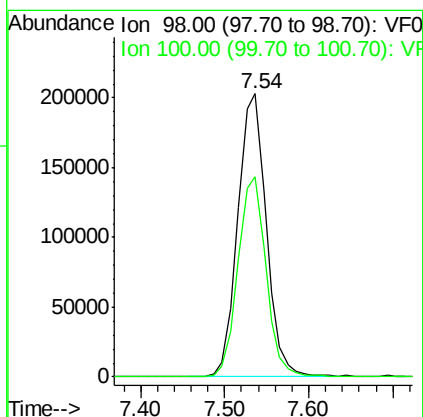
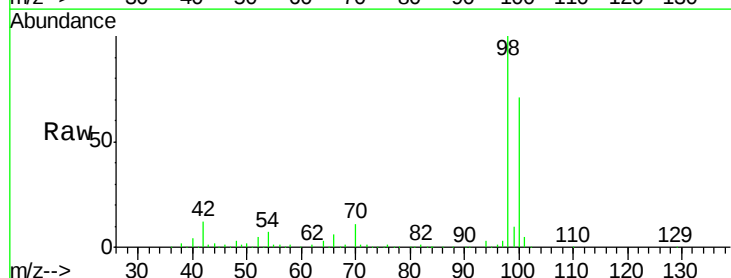
Instrument :
MSVOA_F
ClientSampleId :
BFB

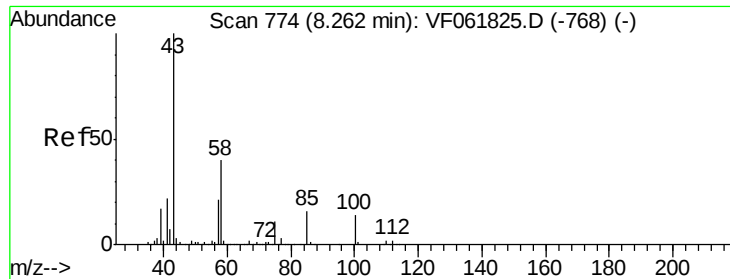
Tot Ion: 88 Resp: 13478
Ion Ratio Lower Upper
88 100
43 47.2 28.4 42.6#
58 58.1 50.7 76.1



#50
Toluene-d8
Concen: 50.032 ug/l
RT: 7.54 min Scan# 700
Delta R.T. -0.03 min
Lab File: VF061925.D
Acq: 13 Mar 2019 13:42

Tgt Ion: 98 Resp: 479891
Ion Ratio Lower Upper
98 100
100 70.9 56.0 84.0





#51

4-Methyl-2-Pentanone

Concen: 244.610 ug/l

RT: 8.24 min Scan# 771

Delta R.T. -0.03 min

Lab File: VF061925.D

Acq: 13 Mar 2019 13:42

Instrument :

MSVOA_F

ClientSampleId :

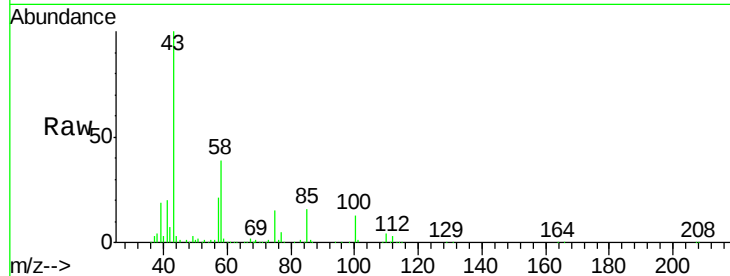
BFB

Tot Ion: 43 Resp: 382066

Ion Ratio Lower Upper

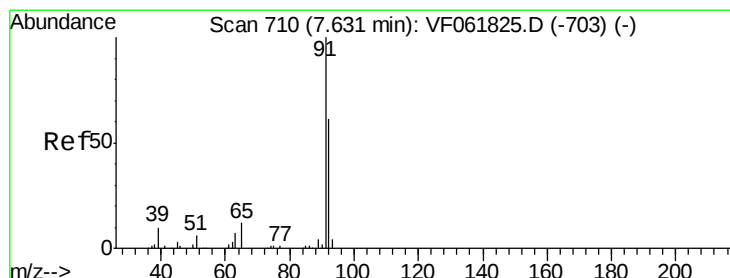
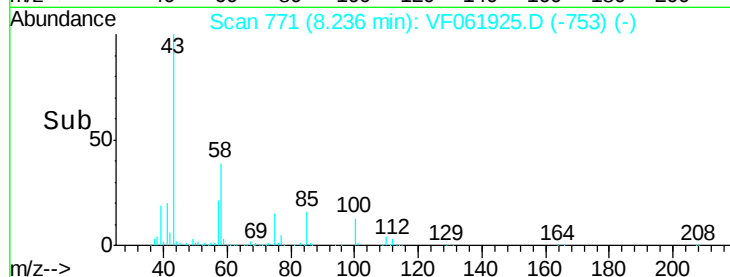
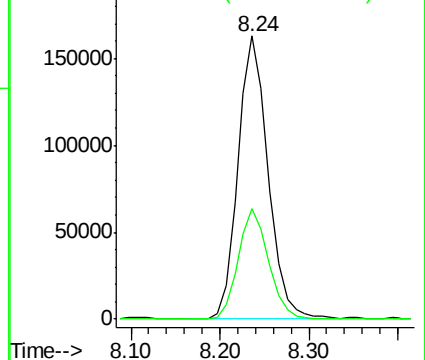
43 100

58 39.1 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 50.571 ug/l

RT: 7.61 min Scan# 707

Delta R.T. -0.03 min

Lab File: VF061925.D

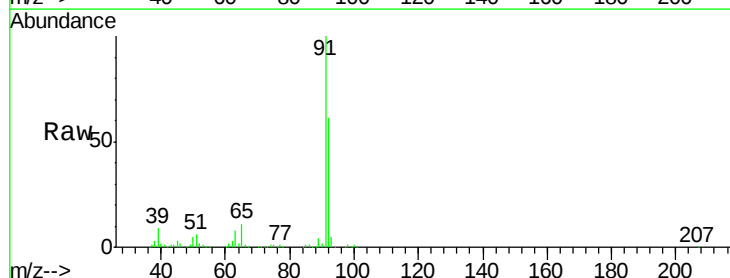
Acq: 13 Mar 2019 13:42

Tgt Ion: 92 Resp: 341571

Ion Ratio Lower Upper

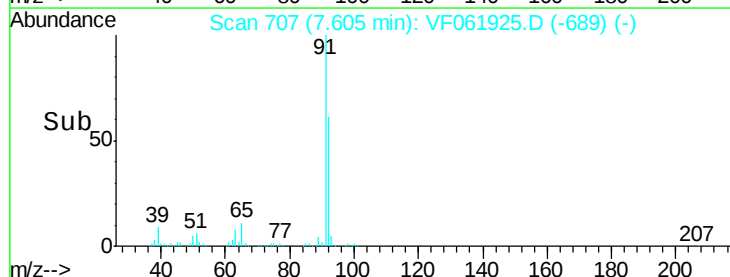
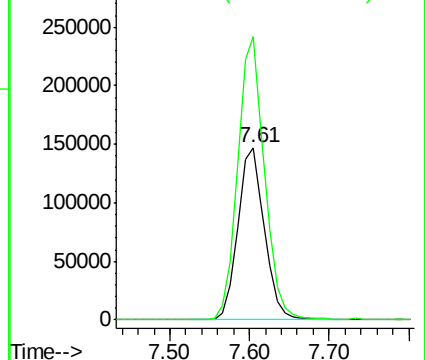
92 100

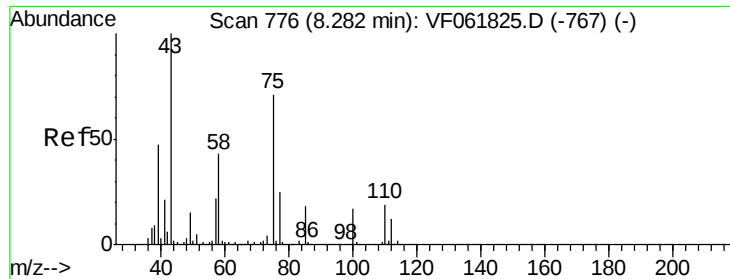
91 164.0 132.0 198.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

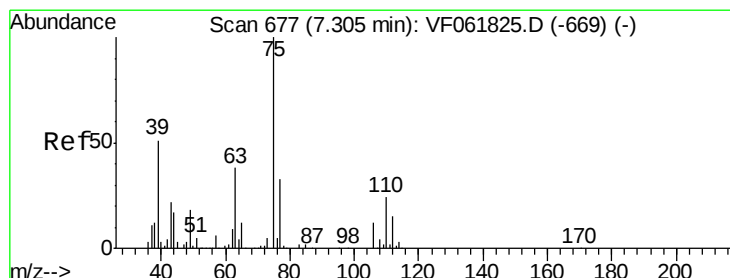
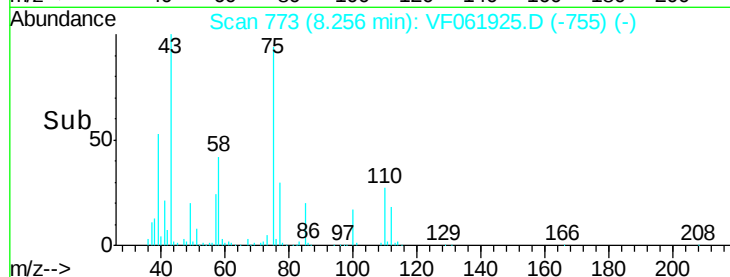
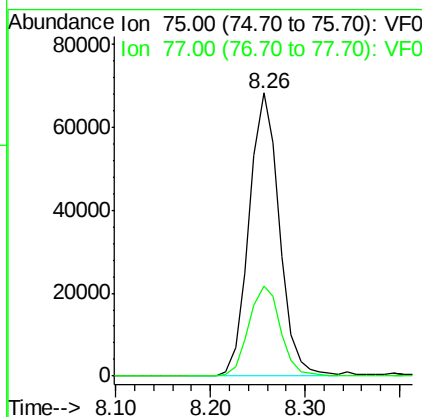
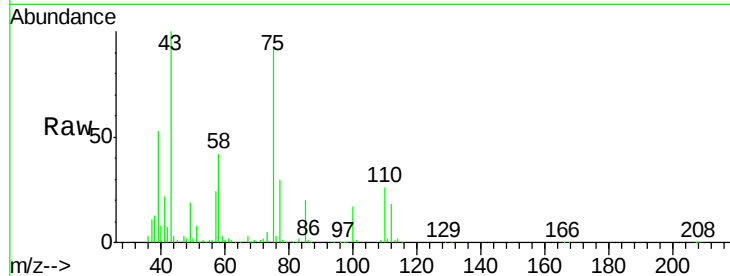




#53
 t-1,3-Dichloropropene
 Concen: 48.782 ug/l
 RT: 8.26 min Scan# 773
 Delta R.T. -0.03 min
 Lab File: VF061925.D
 Acq: 13 Mar 2019 13:42

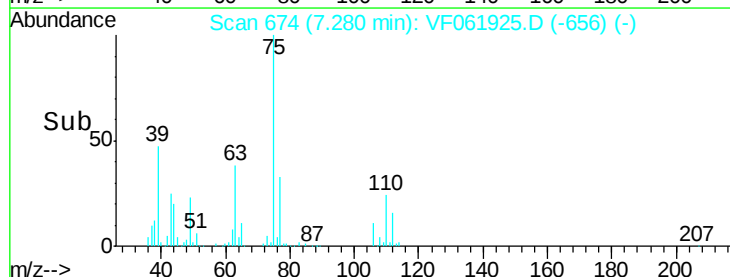
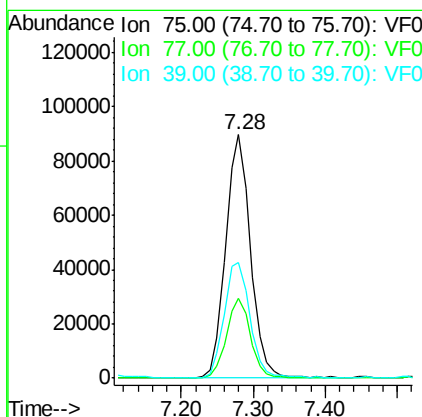
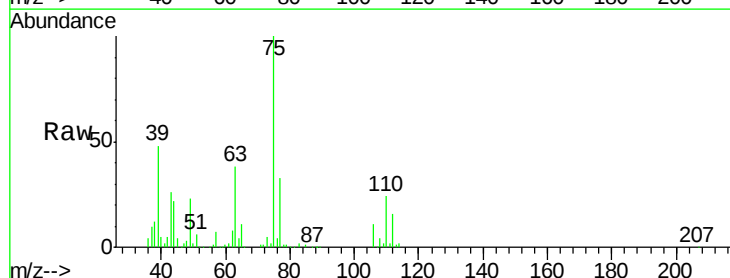
Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

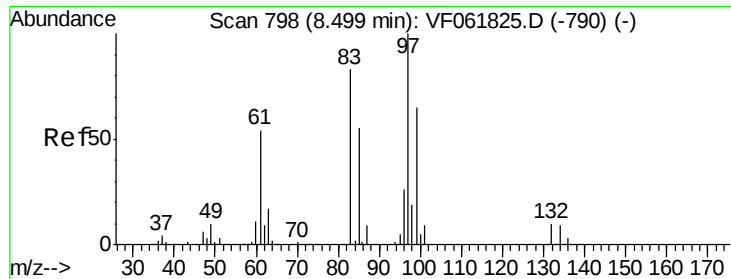
Tot Ion: 75 Resp: 152004
 Ion Ratio Lower Upper
 75 100
 77 31.8 28.0 42.0



#54
 cis-1,3-Dichloropropene
 Concen: 50.209 ug/l
 RT: 7.28 min Scan# 674
 Delta R.T. -0.03 min
 Lab File: VF061925.D
 Acq: 13 Mar 2019 13:42

Tgt Ion: 75 Resp: 215797
 Ion Ratio Lower Upper
 75 100
 77 32.9 26.3 39.5
 39 47.6 40.8 61.2





#55

1,1,2-Trichloroethane

Concen: 48.982 ug/l

RT: 8.46 min Scan# 794

Delta R.T. -0.04 min

Lab File: VF061925.D

Acq: 13 Mar 2019 13:42

Instrument :

MSVOA_F

ClientSampleId :

BFB

Tot Ion: 97 Resp: 95322

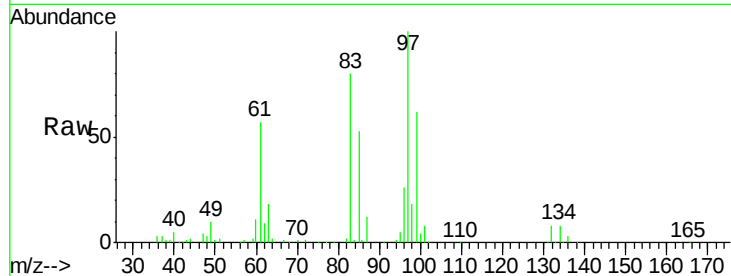
Ion Ratio Lower Upper

97 100

83 80.2 66.5 99.7

85 52.6 44.2 66.2

99 61.8 51.8 77.6

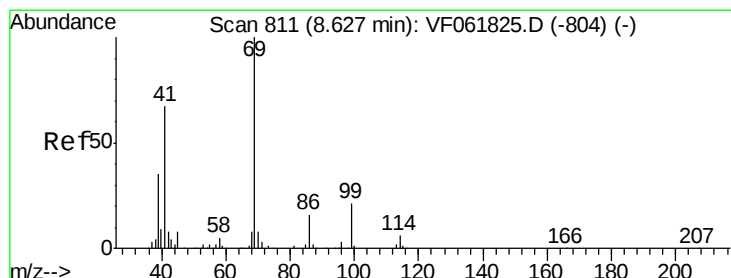
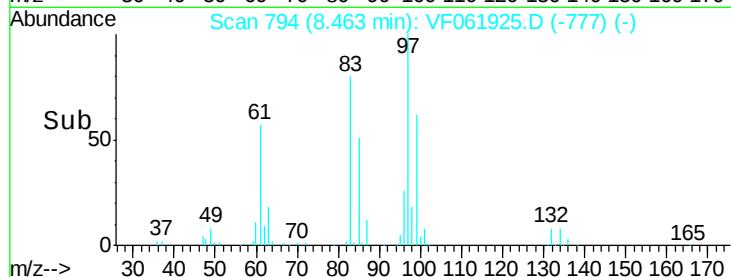
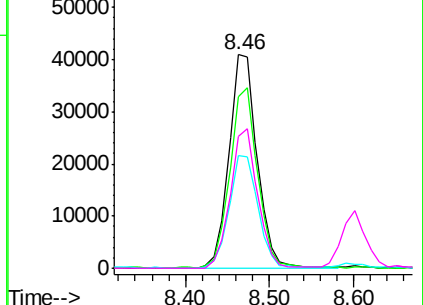


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 49.524 ug/l

RT: 8.60 min Scan# 808

Delta R.T. -0.03 min

Lab File: VF061925.D

Acq: 13 Mar 2019 13:42

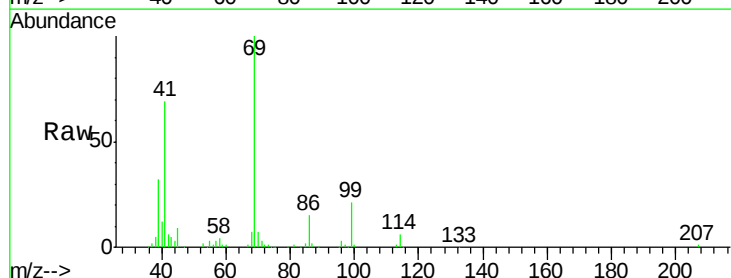
Tgt Ion: 69 Resp: 108617

Ion Ratio Lower Upper

69 100

41 69.1 53.9 80.9

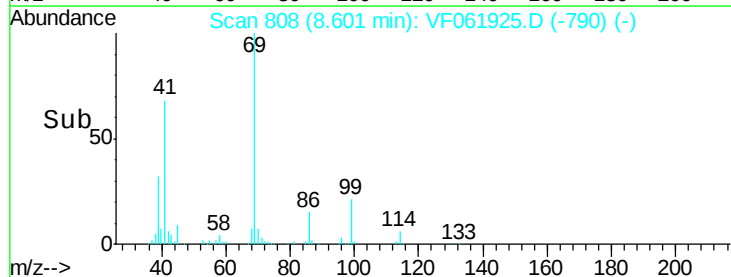
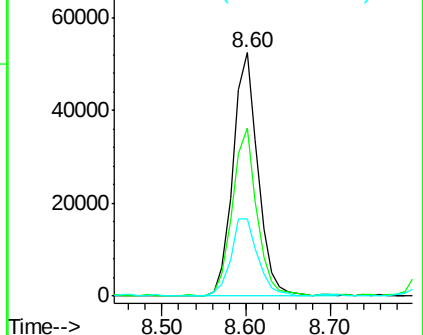
39 31.6 28.3 42.5

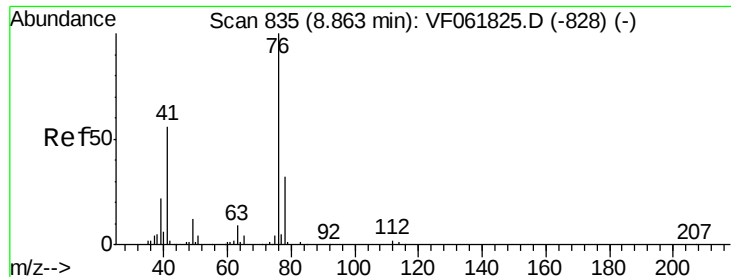


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 48.737 ug/l

RT: 8.83 min Scan# 831

Delta R.T. -0.04 min

Lab File: VF061925.D

Acq: 13 Mar 2019 13:42

Instrument :

MSVOA_F

ClientSampleId :

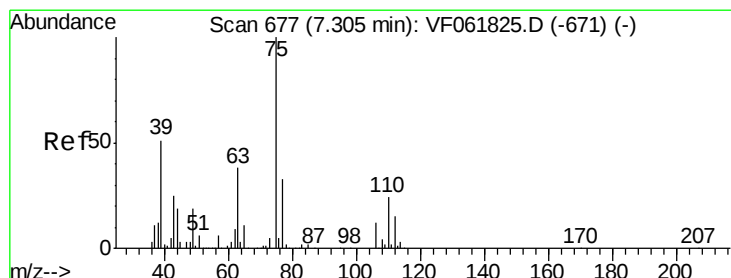
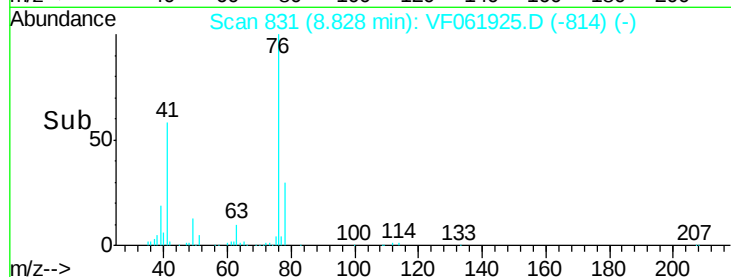
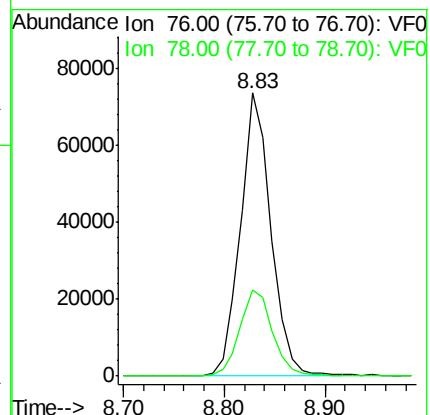
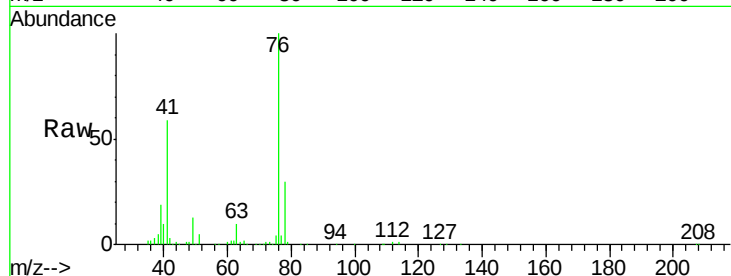
BFB

Tot Ion: 76 Resp: 155111

Ion Ratio Lower Upper

76 100

78 30.3 25.4 38.2



#58

2-Chloroethyl Vinyl ether

Concen: 253.071 ug/l

RT: 7.27 min Scan# 673

Delta R.T. -0.04 min

Lab File: VF061925.D

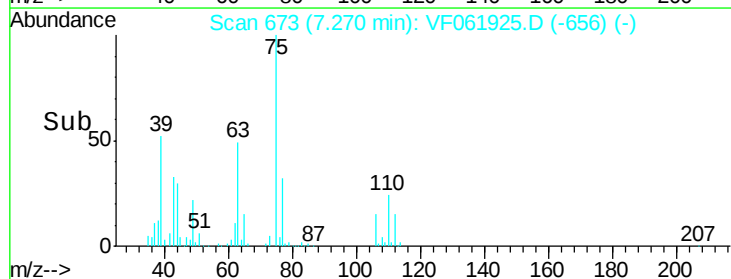
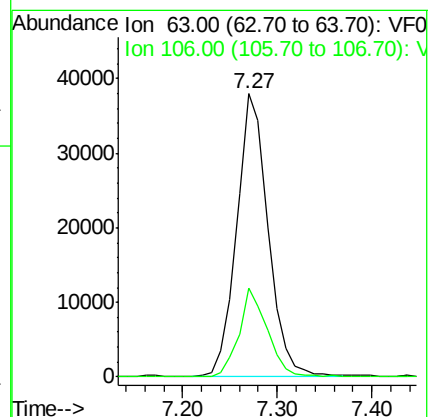
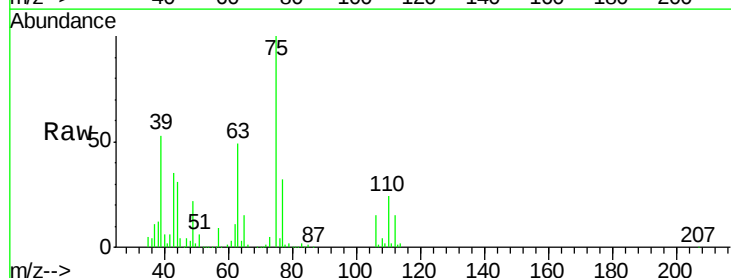
Acq: 13 Mar 2019 13:42

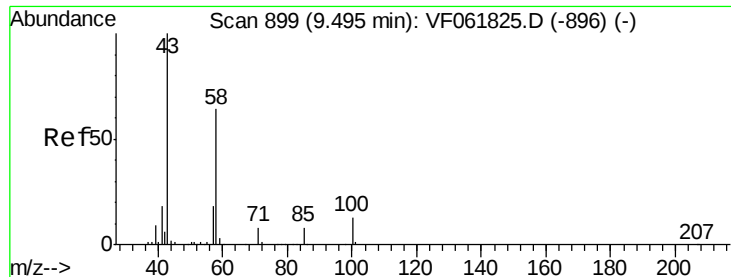
Tgt Ion: 63 Resp: 87802

Ion Ratio Lower Upper

63 100

106 31.2 24.3 36.5

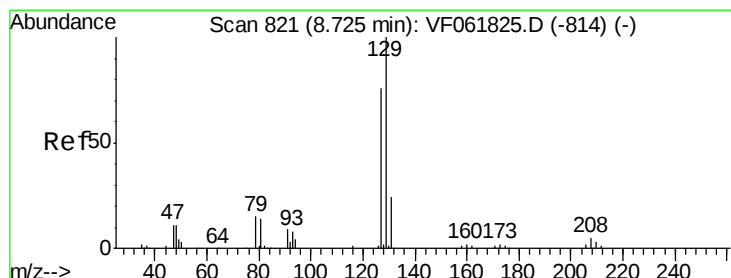
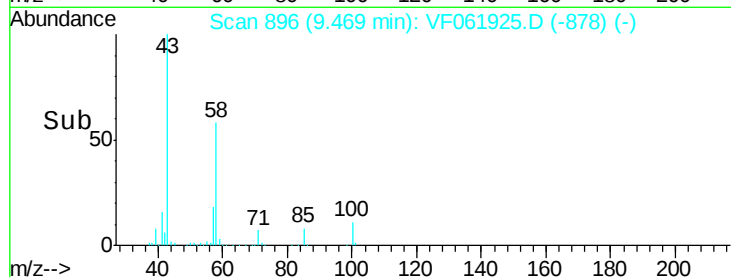
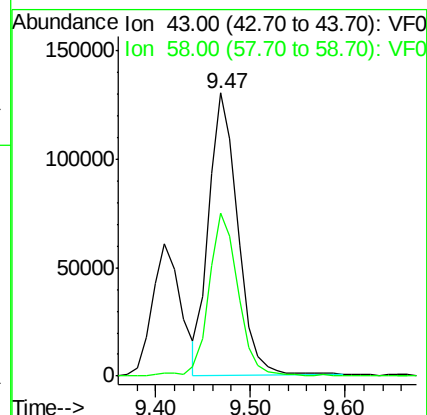
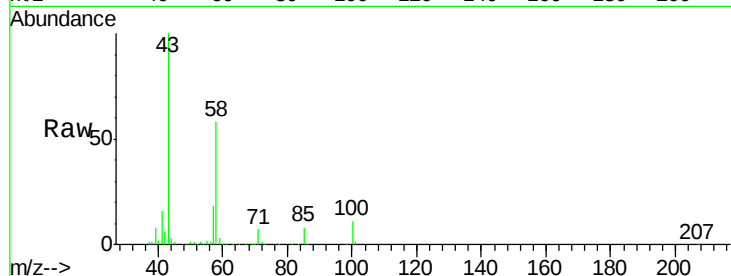




#59
2-Hexanone
Concen: 245.648 ug/l
RT: 9.47 min Scan# 896
Delta R.T. -0.03 min
Lab File: VF061925.D
Acq: 13 Mar 2019 13:42

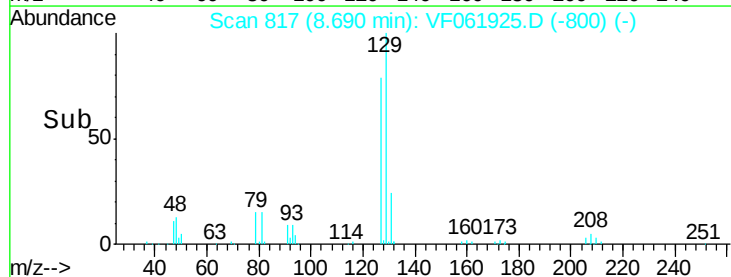
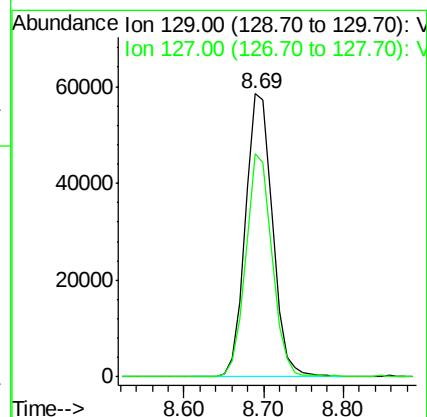
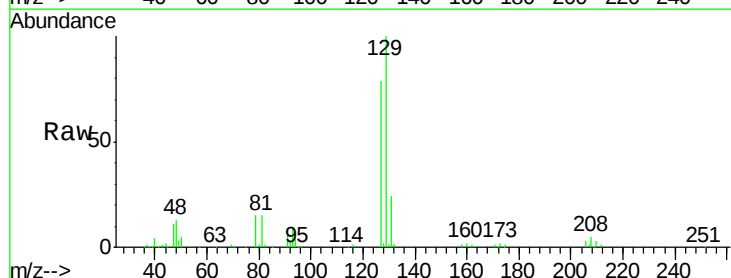
Instrument :
MSVOA_F
ClientSampleId :
BFB

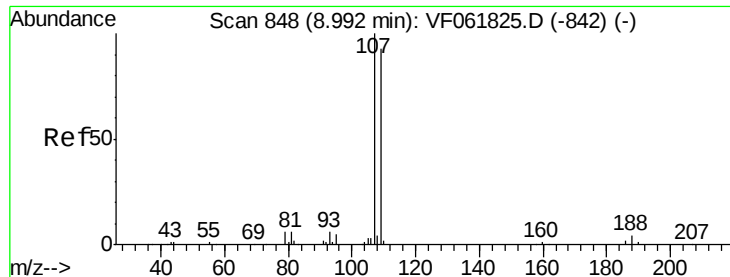
Tot Ion: 43 Resp: 276798
Ion Ratio Lower Upper
43 100
58 57.5 28.8 86.4



#60
Dibromochloromethane
Concen: 49.323 ug/l
RT: 8.69 min Scan# 817
Delta R.T. -0.04 min
Lab File: VF061925.D
Acq: 13 Mar 2019 13:42

Tgt Ion: 129 Resp: 136806
Ion Ratio Lower Upper
129 100
127 79.0 38.2 114.6





#61

1,2-Dibromoethane

Concen: 48.136 ug/l

RT: 8.97 min Scan# 845

Delta R.T. -0.03 min

Lab File: VF061925.D

Acq: 13 Mar 2019 13:42

Instrument :

MSVOA_F

ClientSampleId :

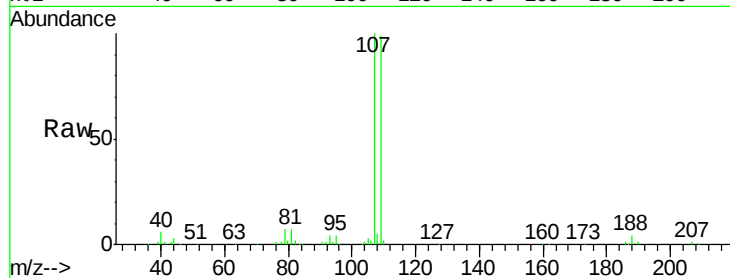
BFB

Tot Ion:107 Resp: 103014

Ion Ratio Lower Upper

107 100

109 98.9 74.6 112.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.97

50000

40000

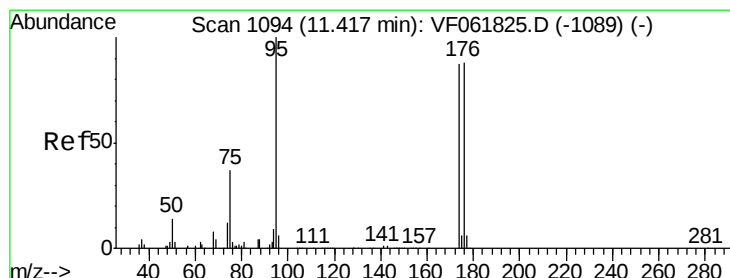
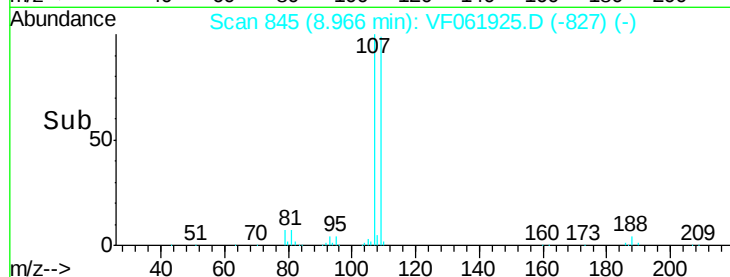
30000

20000

10000

0

Time--> 8.80 8.90 9.00 9.10



#62

4-Bromofluorobenzene

Concen: 48.833 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.03 min

Lab File: VF061925.D

Acq: 13 Mar 2019 13:42

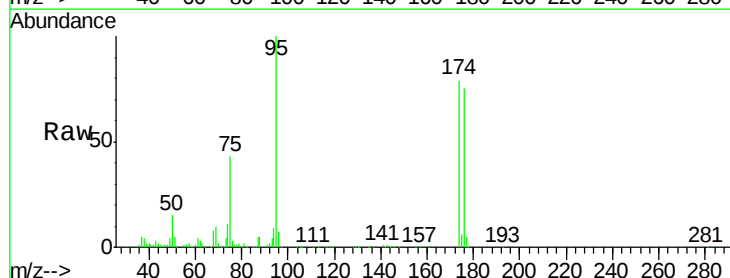
Tgt Ion: 95 Resp: 183480

Ion Ratio Lower Upper

95 100

174 78.9 0.0 174.0

176 75.0 0.0 175.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.39

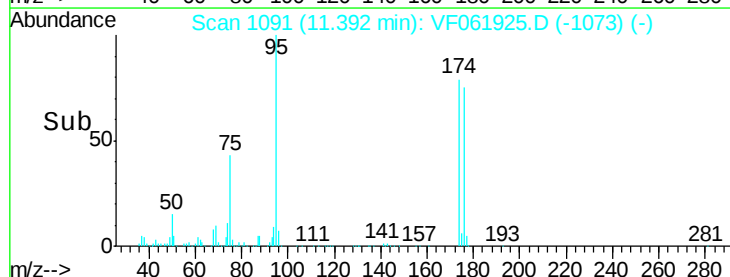
150000

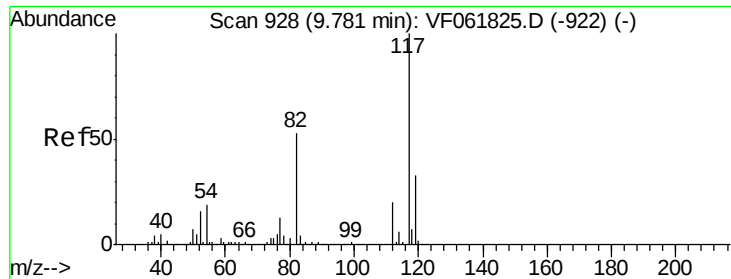
100000

50000

0

Time--> 11.30 11.40 11.50

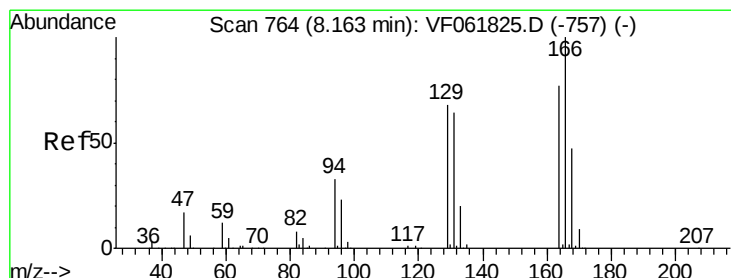
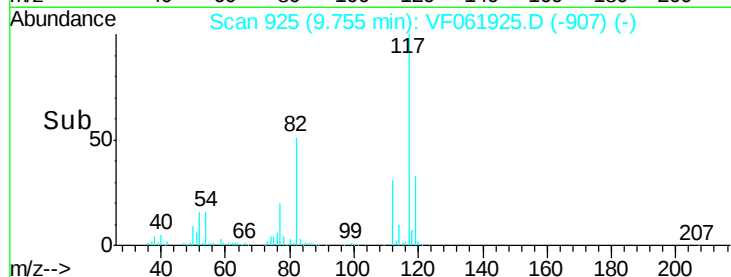
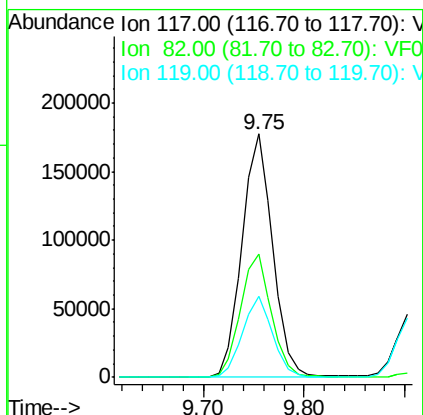
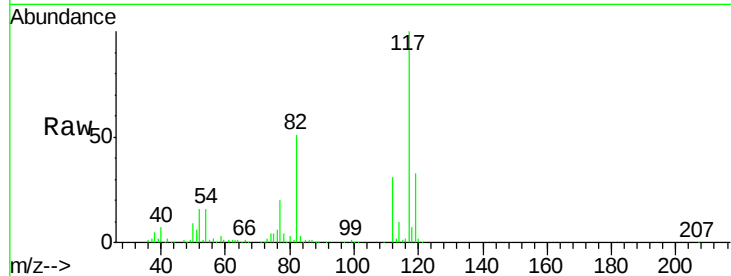




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.03 min
Lab File: VF061925.D
Acq: 13 Mar 2019 13:42

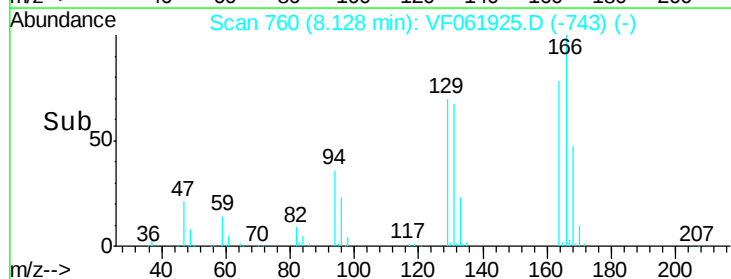
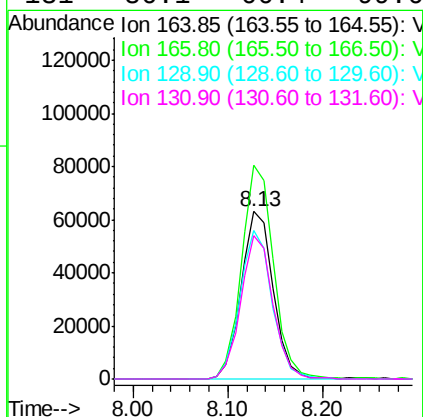
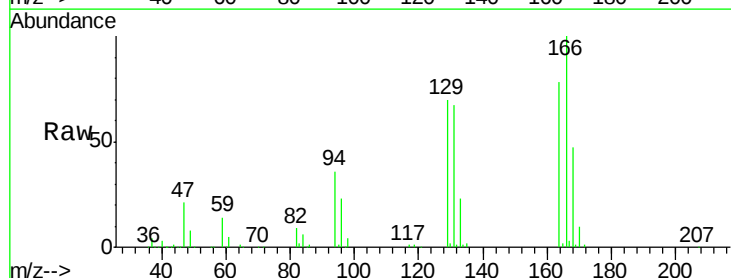
Instrument :
MSVOA_F
ClientSampleId :
BFB

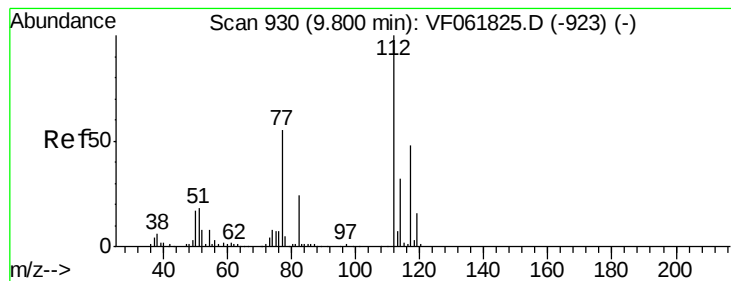
Tot Ion:117 Resp: 377358
Ion Ratio Lower Upper
117 100
82 50.6 42.6 63.8
119 33.1 26.0 39.0



#64
Tetrachloroethene
Concen: 51.111 ug/l
RT: 8.13 min Scan# 760
Delta R.T. -0.04 min
Lab File: VF061925.D
Acq: 13 Mar 2019 13:42

Tgt Ion:164 Resp: 148201
Ion Ratio Lower Upper
164 100
166 127.7 103.4 155.0
129 89.1 69.9 104.9
131 86.1 66.4 99.6





#65

Chlorobenzene

Concen: 50.772 ug/l

RT: 9.77 min Scan# 927

Delta R.T. -0.03 min

Lab File: VF061925.D

Acq: 13 Mar 2019 13:42

Instrument :

MSVOA_F

ClientSampleId :

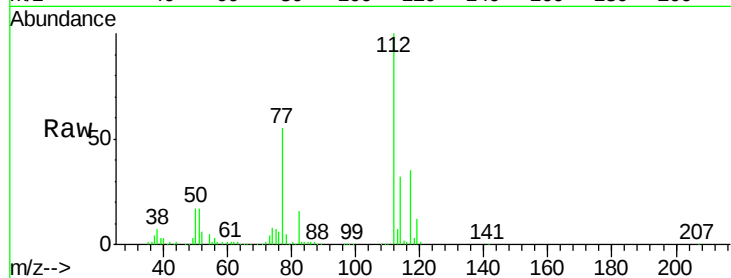
BFB

Tot Ion:112 Resp: 368088

Ion Ratio Lower Upper

112 100

114 32.5 25.5 38.3



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

200000

150000

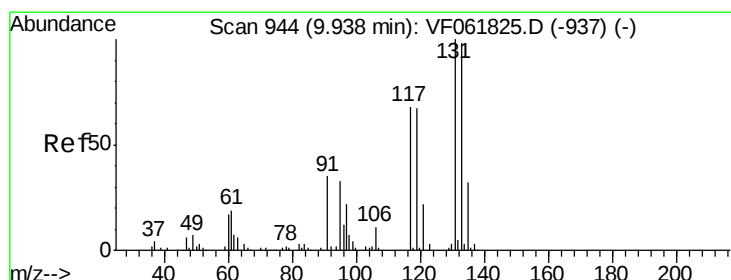
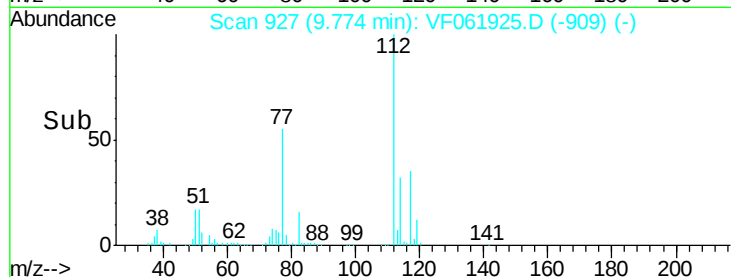
100000

50000

0

9.60 9.80 10.00

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 52.386 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.03 min

Lab File: VF061925.D

Acq: 13 Mar 2019 13:42

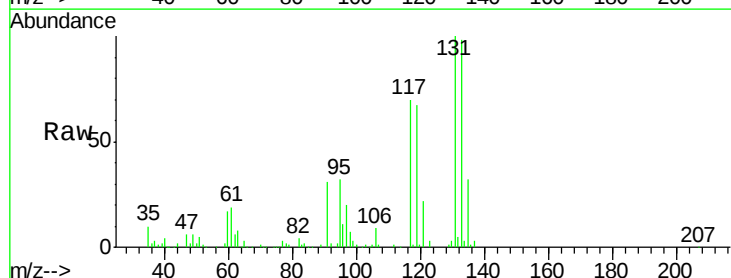
Tgt Ion:131 Resp: 147149

Ion Ratio Lower Upper

131 100

133 98.1 48.9 146.7

119 66.7 33.6 100.8



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

80000

60000

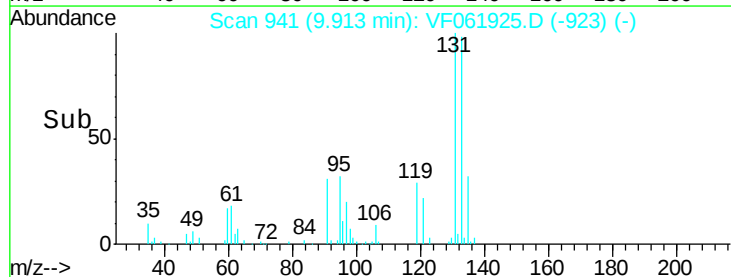
40000

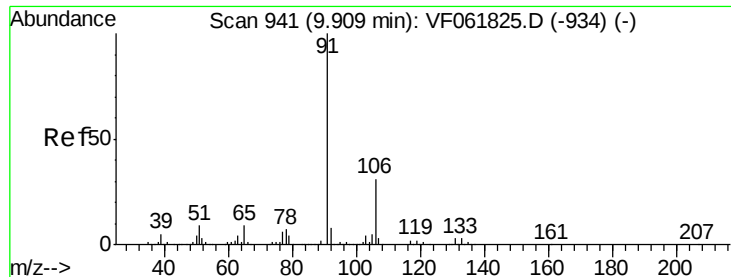
20000

0

9.80 9.90 10.00

Time-->

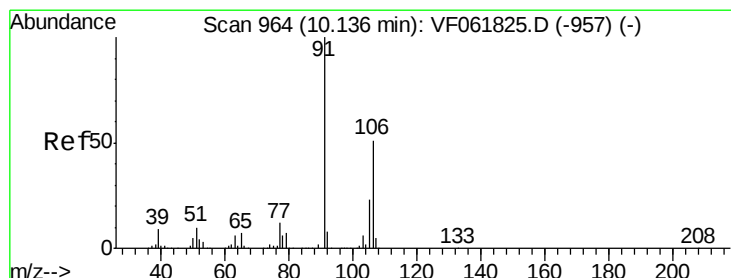
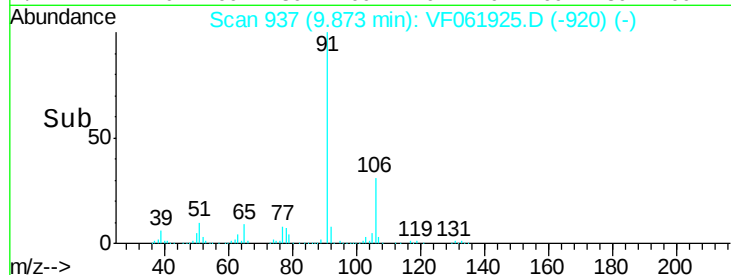
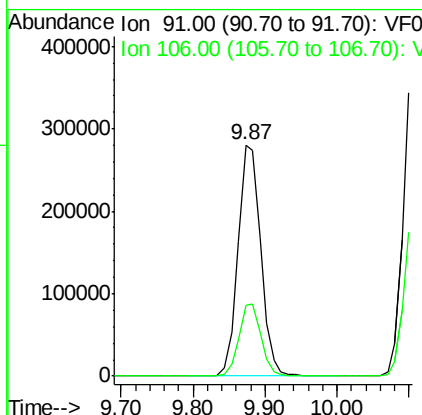
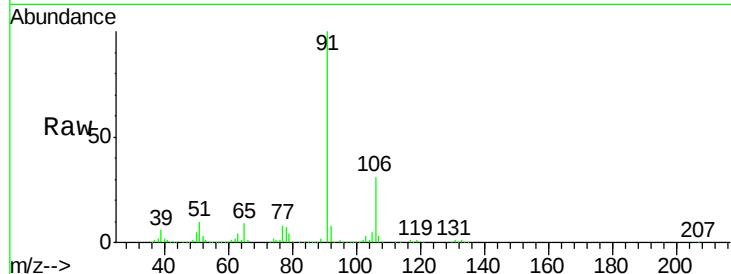




#67
Ethyl Benzene
Concen: 51.787 ug/l
RT: 9.87 min Scan# 937
Delta R.T. -0.04 min
Lab File: VF061925.D
Acq: 13 Mar 2019 13:42

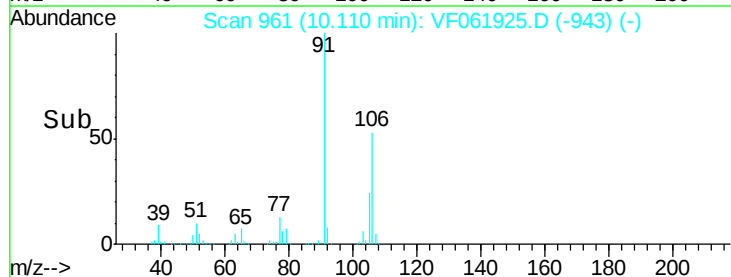
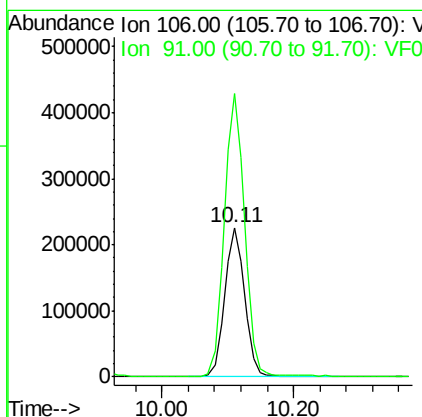
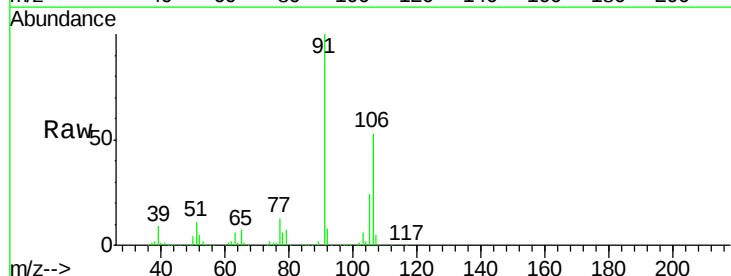
Instrument :
MSVOA_F
ClientSampleId :
BFB

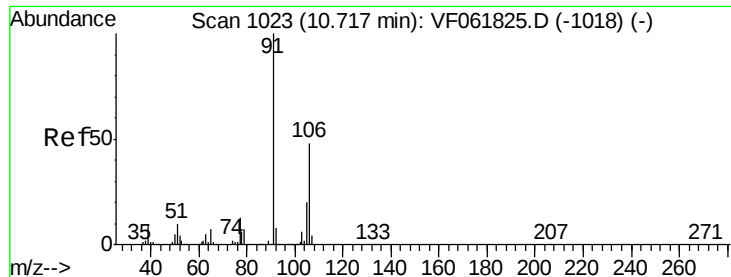
Tot Ion: 91 Resp: 622298
Ion Ratio Lower Upper
91 100
106 30.6 25.0 37.4



#68
m/p-Xylenes
Concen: 104.074 ug/l
RT: 10.11 min Scan# 961
Delta R.T. -0.03 min
Lab File: VF061925.D
Acq: 13 Mar 2019 13:42

Tgt Ion: 106 Resp: 479084
Ion Ratio Lower Upper
106 100
91 190.0 157.5 236.3

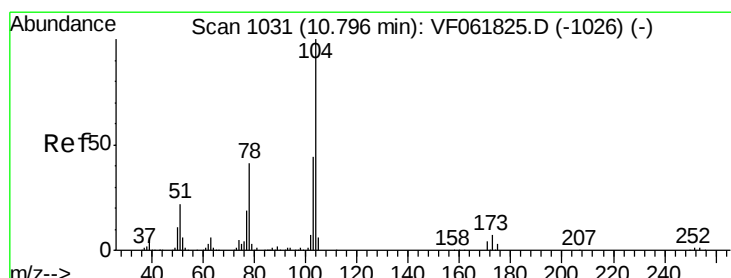
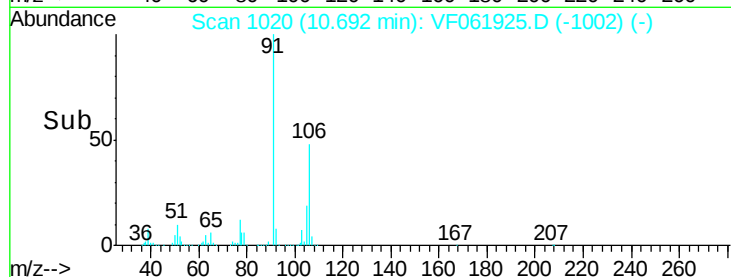
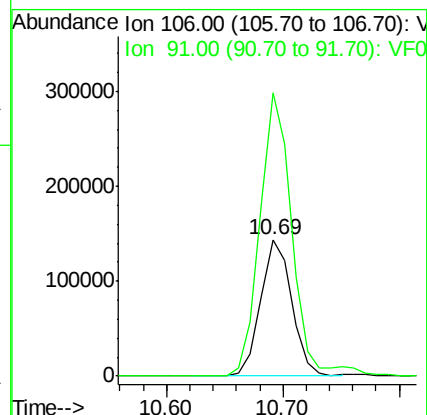
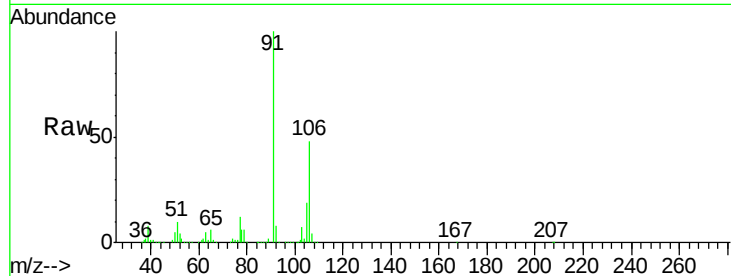




#69
o-Xylene
Concen: 53.876 ug/l
RT: 10.69 min Scan# 1020
Delta R.T. -0.03 min
Lab File: VF061925.D
Acq: 13 Mar 2019 13:42

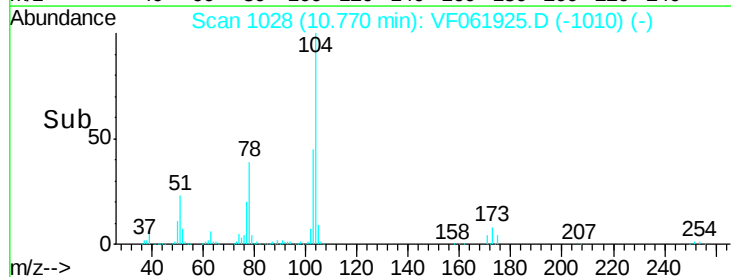
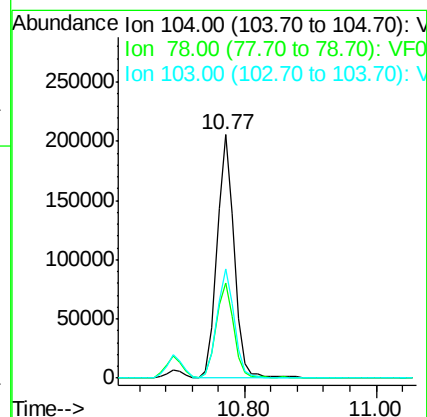
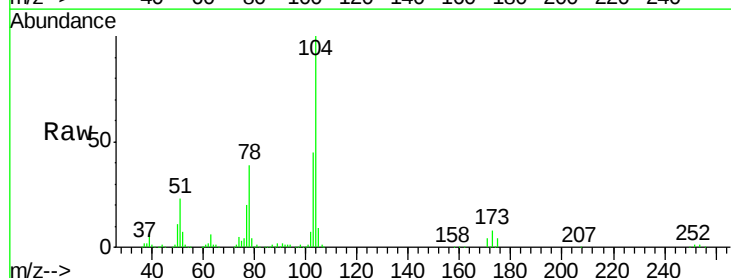
Instrument :
MSVOA_F
ClientSampled :
BFB

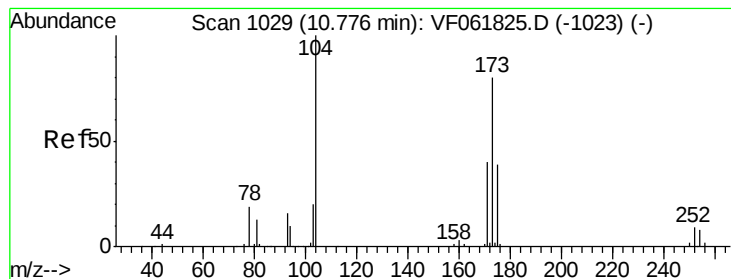
Tot Ion:106 Resp: 267055
Ion Ratio Lower Upper
106 100
91 207.8 103.5 310.3



#70
Styrene
Concen: 52.044 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.03 min
Lab File: VF061925.D
Acq: 13 Mar 2019 13:42

Tgt Ion:104 Resp: 363056
Ion Ratio Lower Upper
104 100
78 38.9 33.3 49.9
103 45.1 35.4 53.0





#71

Bromoform

Concen: 49.537 ug/l

RT: 10.75 min Scan# 1026

Delta R.T. -0.03 min

Lab File: VF061925.D

Acq: 13 Mar 2019 13:42

Instrument :

MSVOA_F

ClientSampleId :

BFB

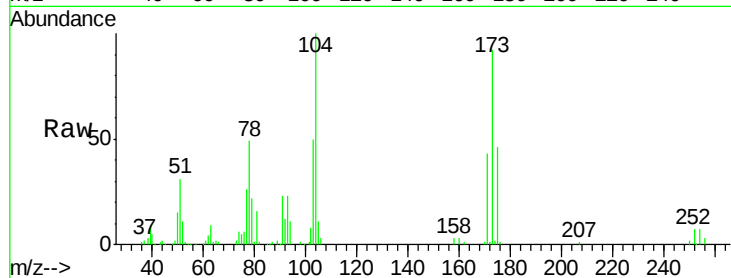
Tot Ion:173 Resp: 73540

Ion Ratio Lower Upper

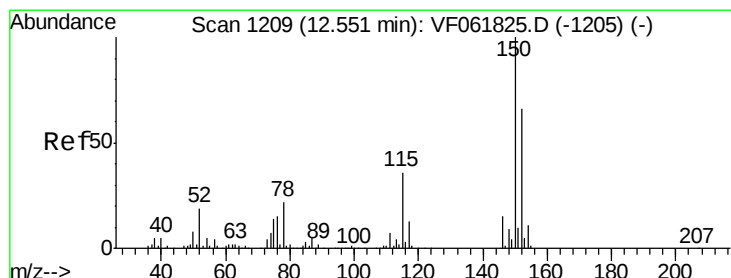
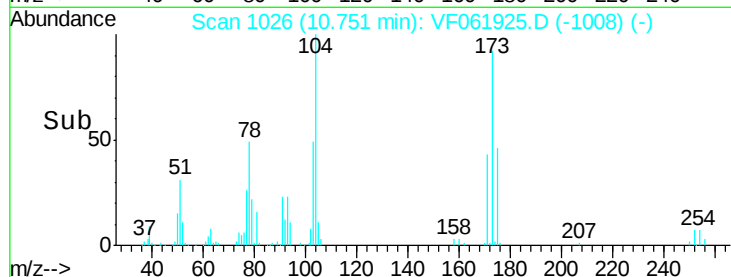
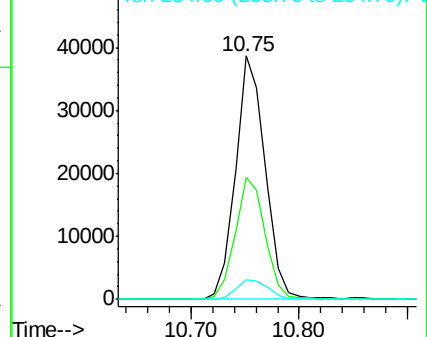
173 100

175 50.1 24.5 73.5

254 7.8 8.0 12.0#



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1207

Delta R.T. -0.02 min

Lab File: VF061925.D

Acq: 13 Mar 2019 13:42

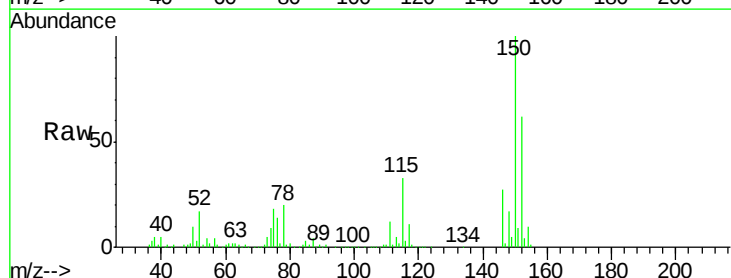
Tgt Ion:152 Resp: 195116

Ion Ratio Lower Upper

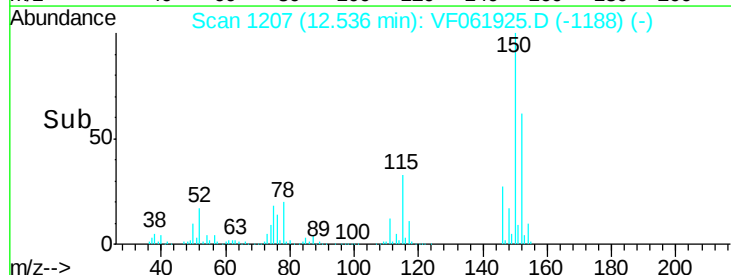
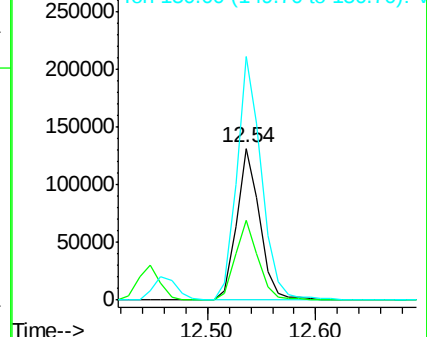
152 100

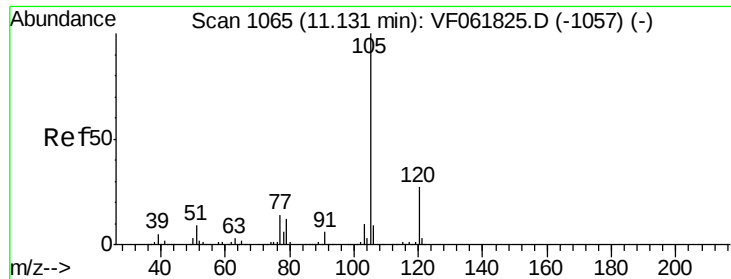
115 52.9 27.7 83.1

150 160.5 0.0 304.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 54.094 ug/l

RT: 11.11 min Scan# 1062

Delta R.T. -0.03 min

Lab File: VF061925.D

Acq: 13 Mar 2019 13:42

Instrument :

MSVOA_F

ClientSampleId :

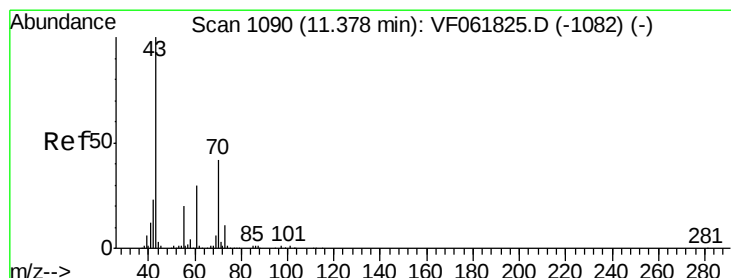
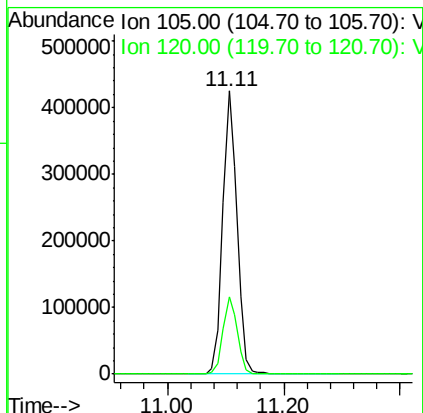
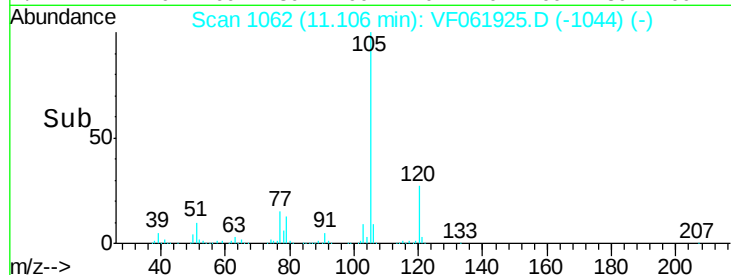
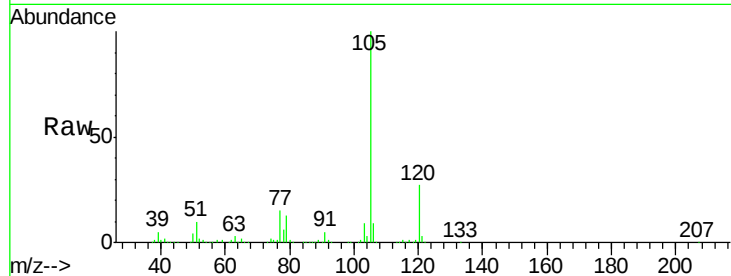
BFB

Tot Ion:105 Resp: 726623

Ion Ratio Lower Upper

105 100

120 27.4 13.7 41.0



#74

N-ethyl acetate

Concen: 53.350 ug/l

RT: 11.35 min Scan# 1087

Delta R.T. -0.03 min

Lab File: VF061925.D

Acq: 13 Mar 2019 13:42

Tgt Ion: 43 Resp: 164981

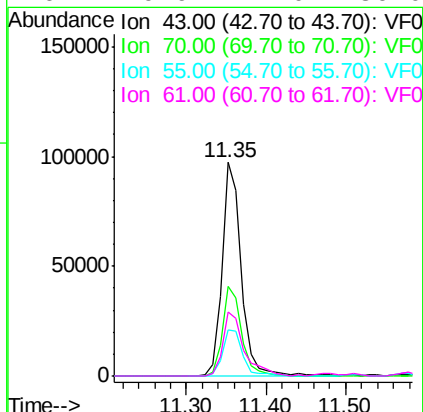
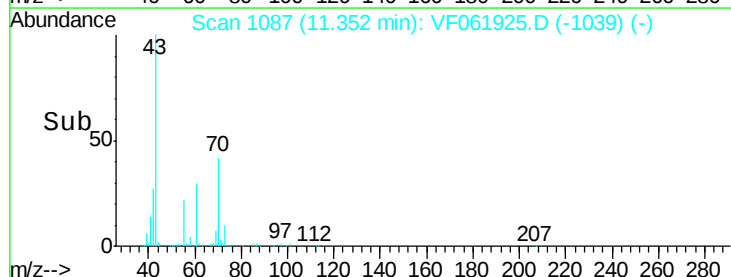
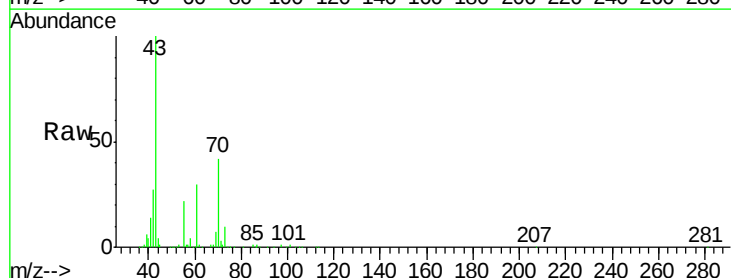
Ion Ratio Lower Upper

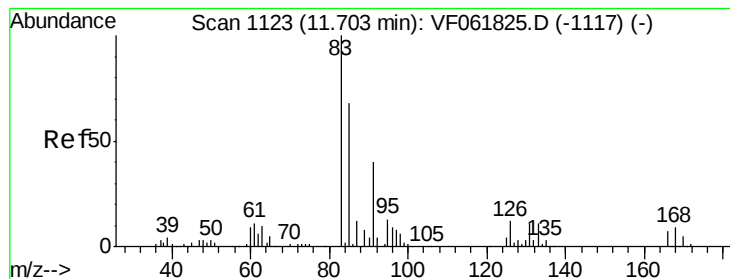
43 100

70 41.7 33.4 50.0

55 21.6 16.3 24.5

61 29.9 24.0 36.0





#75

1,1,2,2-Tetrachloroethane

Concen: 54.302 ug/l

RT: 11.68 min Scan# 1120

Delta R.T. -0.03 min

Lab File: VF061925.D

Acq: 13 Mar 2019 13:42

Instrument :

MSVOA_F

ClientSampleId :

BFB

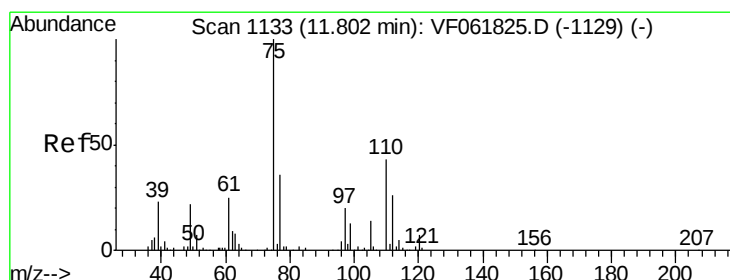
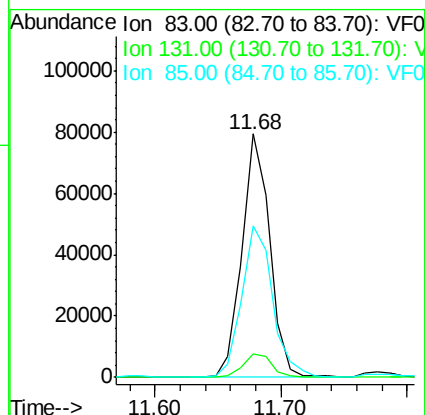
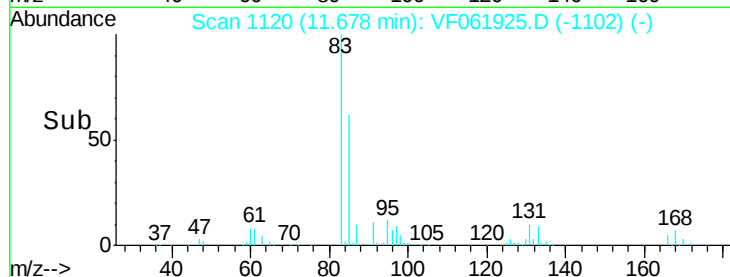
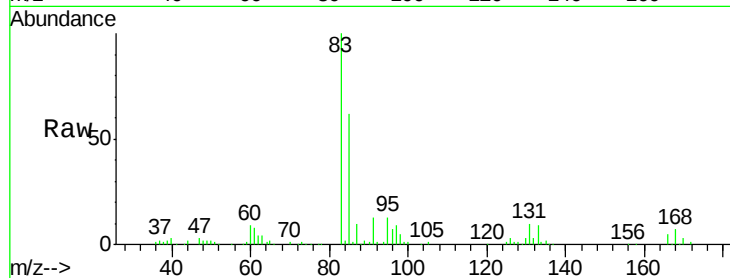
Tot Ion: 83 Resp: 121232

Ion Ratio Lower Upper

83 100

131 9.6 5.5 16.7

85 62.5 34.2 102.6



#76

1,2,3-Trichloropropane

Concen: 52.878 ug/l

RT: 11.78 min Scan# 1130

Delta R.T. -0.03 min

Lab File: VF061925.D

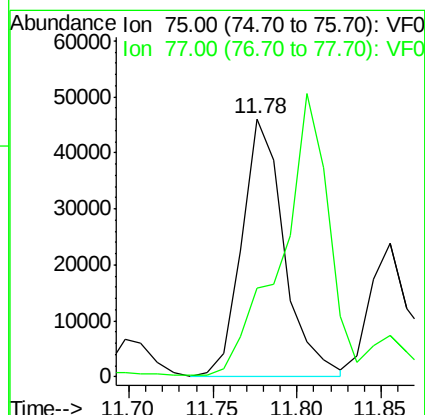
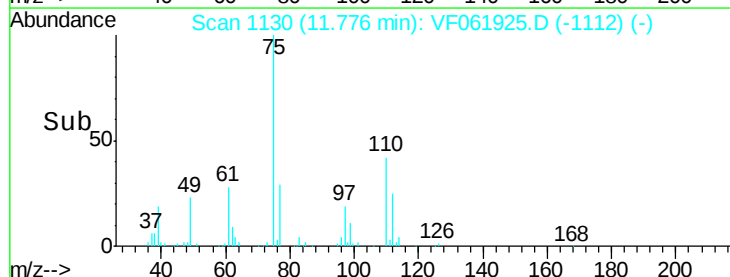
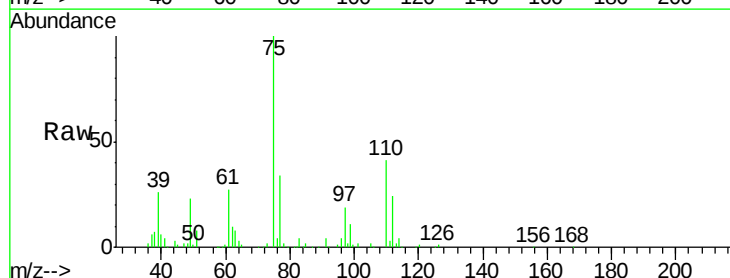
Acq: 13 Mar 2019 13:42

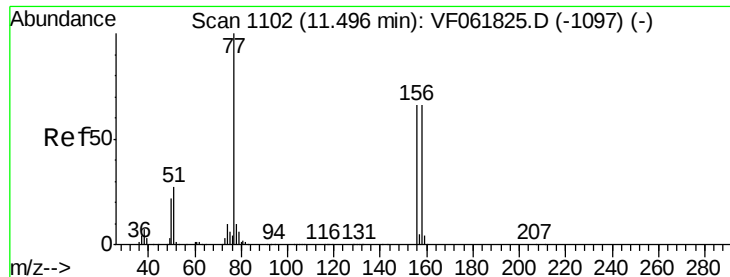
Tgt Ion: 75 Resp: 80572

Ion Ratio Lower Upper

75 100

77 34.5 18.1 54.4





#77

Bromobenzene

Concen: 51.986 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.02 min

Lab File: VF061925.D

Acq: 13 Mar 2019 13:42

Instrument :

MSVOA_F

ClientSampleId :

BFB

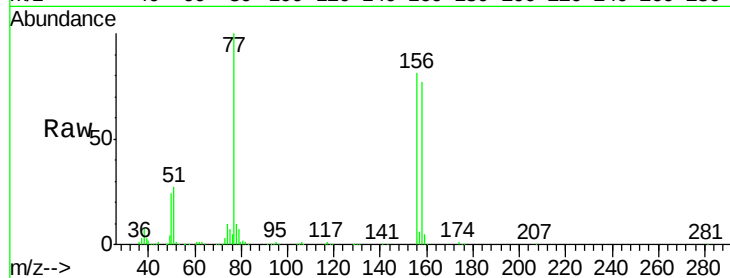
Tot Ion:156 Resp: 168060

Ion Ratio Lower Upper

156 100

77 123.4 75.7 227.1

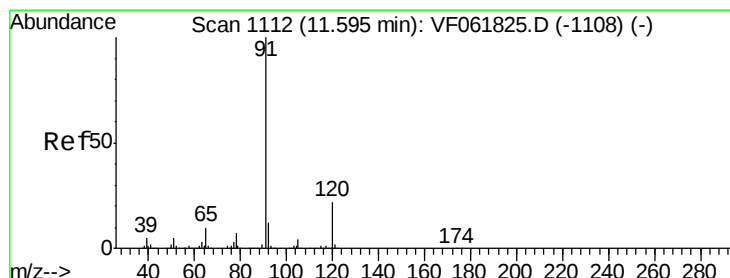
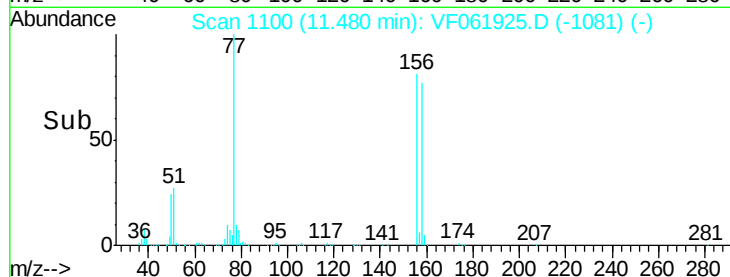
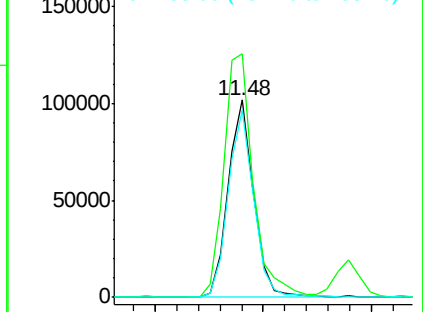
158 95.1 50.0 150.1



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 53.584 ug/l

RT: 11.58 min Scan# 1110

Delta R.T. -0.02 min

Lab File: VF061925.D

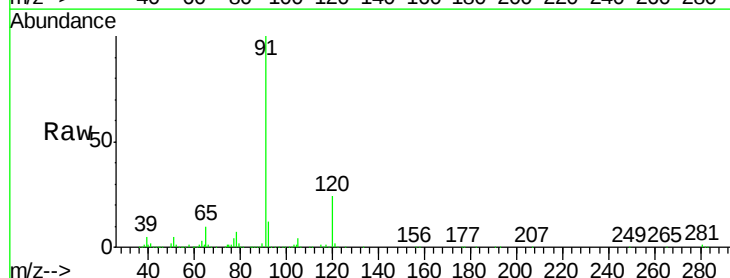
Acq: 13 Mar 2019 13:42

Tgt Ion: 91 Resp: 812836

Ion Ratio Lower Upper

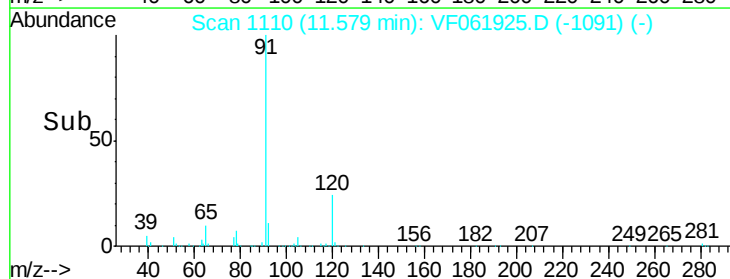
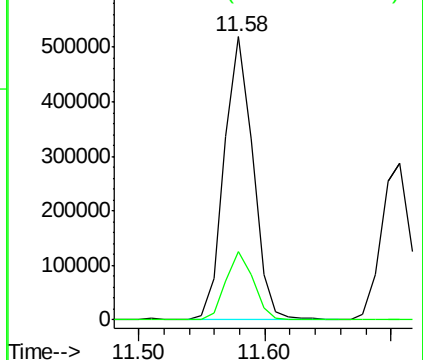
91 100

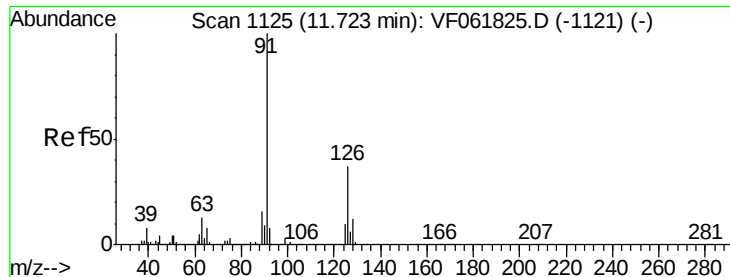
120 24.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

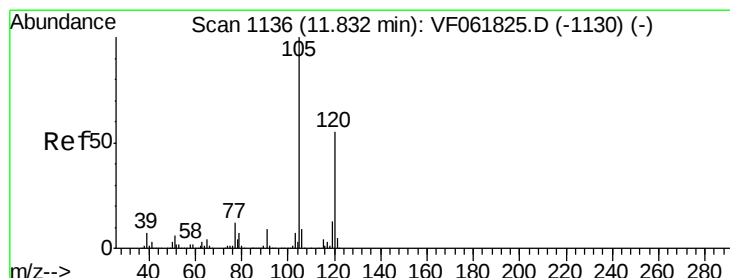
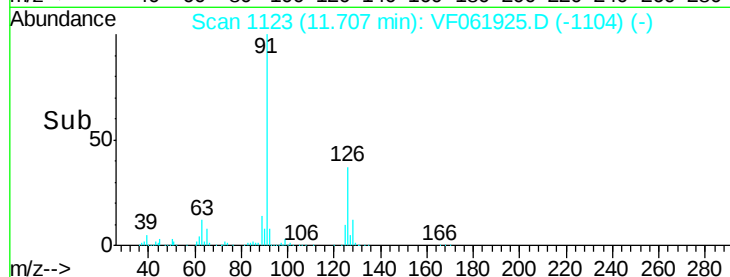
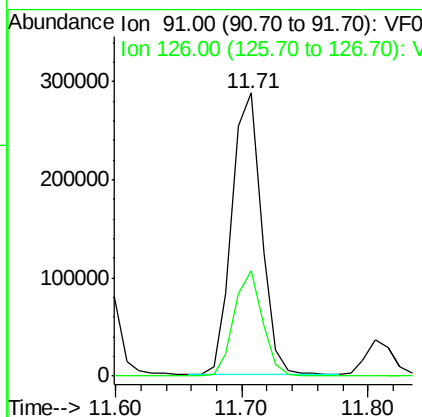
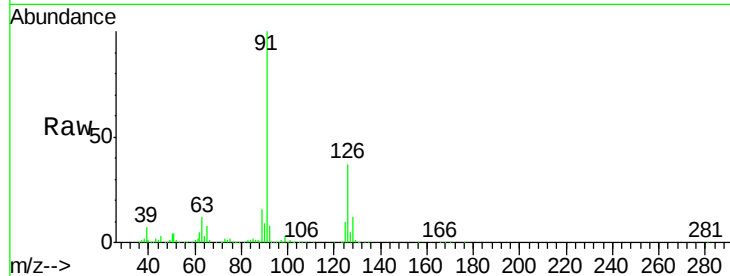




#79
 2-Chlorotoluene
 Concen: 53.647 ug/l
 RT: 11.71 min Scan# 1123
 Delta R.T. -0.02 min
 Lab File: VF061925.D
 Acq: 13 Mar 2019 13:42

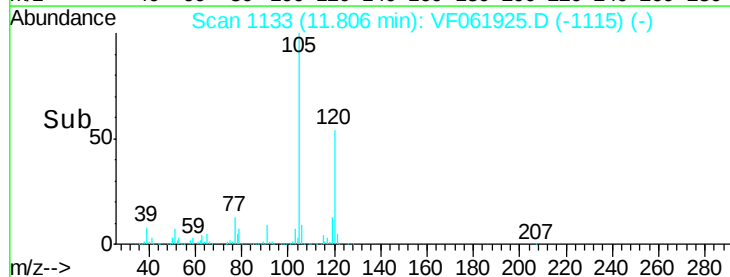
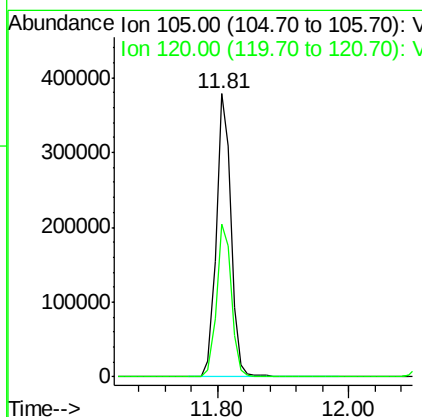
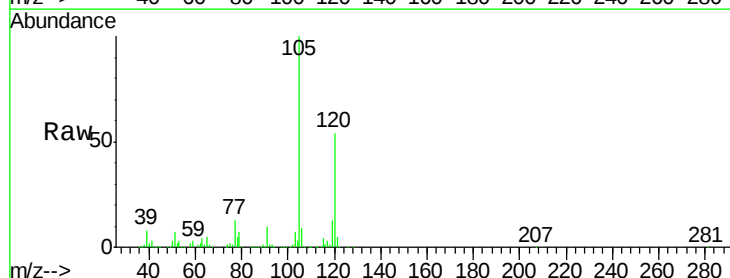
Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

Tot Ion: 91 Resp: 465254
 Ion Ratio Lower Upper
 91 100
 126 37.1 18.1 54.4



#80
 1,3,5-Trimethylbenzene
 Concen: 54.127 ug/l
 RT: 11.81 min Scan# 1133
 Delta R.T. -0.03 min
 Lab File: VF061925.D
 Acq: 13 Mar 2019 13:42

Tgt Ion: 105 Resp: 583744
 Ion Ratio Lower Upper
 105 100
 120 54.2 27.4 82.2





#81

trans-1,4-Dichloro-2-butene

Concen: 70.972 ug/l

RT: 11.86 min Scan# 1138

Delta R.T. -0.02 min

Lab File: VF061925.D

Acq: 13 Mar 2019 13:42

Instrument :

MSVOA_F

ClientSampleId :

BFB

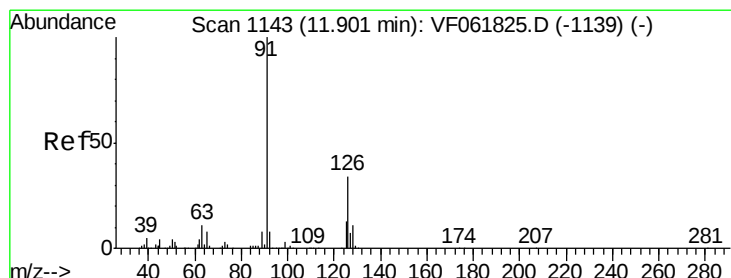
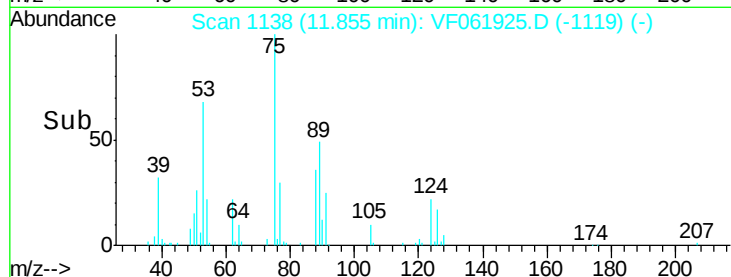
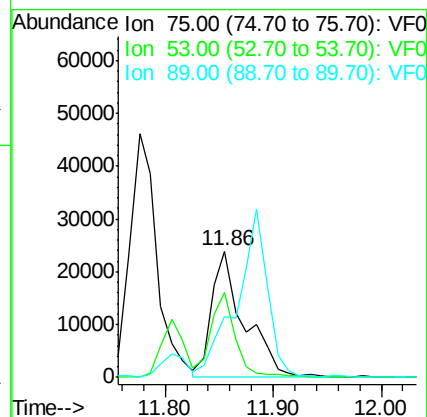
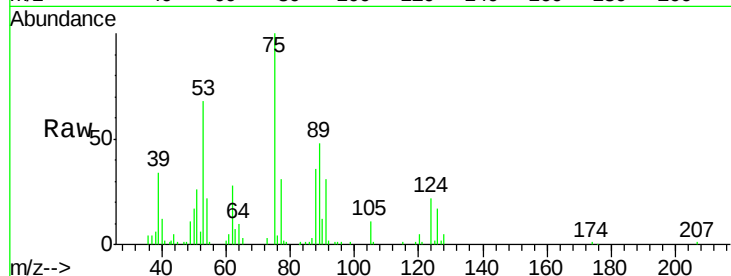
Tot Ion: 75 Resp: 49450

Ion Ratio Lower Upper

75 100

53 67.7 58.6 88.0

89 48.3 41.4 62.0



#82

4-Chlorotoluene

Concen: 52.751 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.02 min

Lab File: VF061925.D

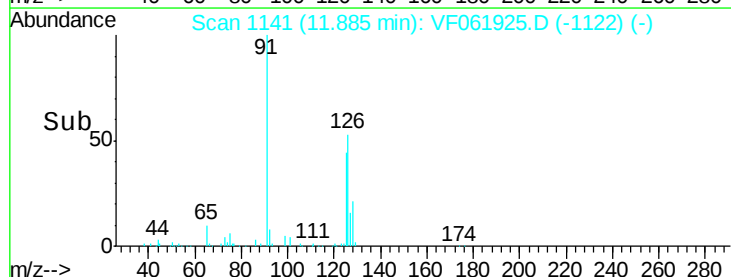
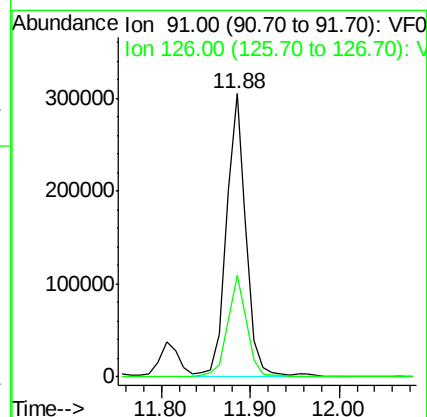
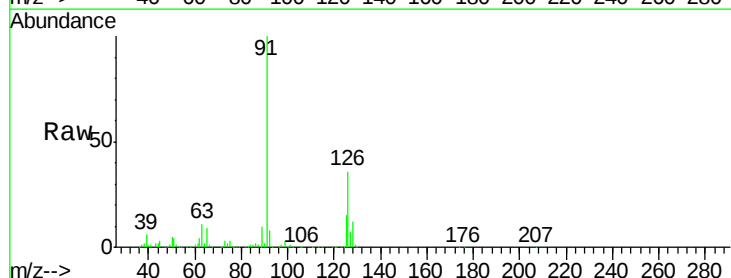
Acq: 13 Mar 2019 13:42

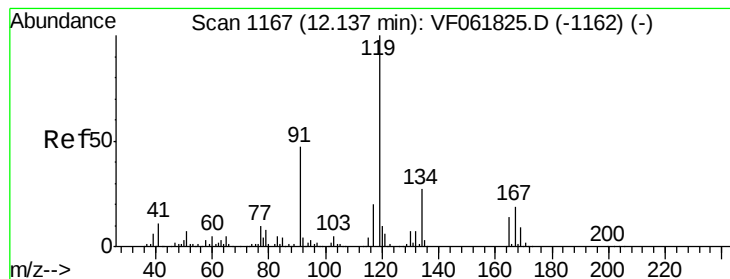
Tgt Ion: 91 Resp: 467941

Ion Ratio Lower Upper

91 100

126 36.1 17.0 50.9





#83

tert-Butylbenzene

Concen: 55.548 ug/l

RT: 12.11 min Scan# 1164

Delta R.T. -0.03 min

Lab File: VF061925.D

Acq: 13 Mar 2019 13:42

Instrument :

MSVOA_F

ClientSampleId :

BFB

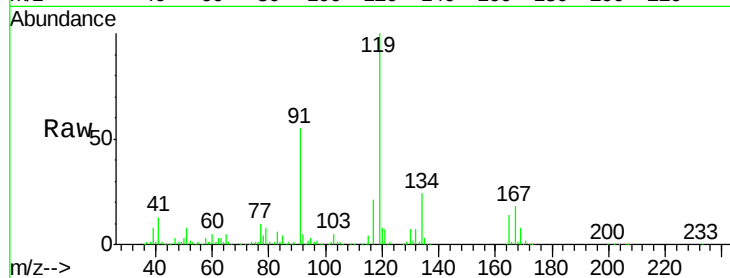
Tot Ion:119 Resp: 636125

Ion Ratio Lower Upper

119 100

91 55.1 23.5 70.5

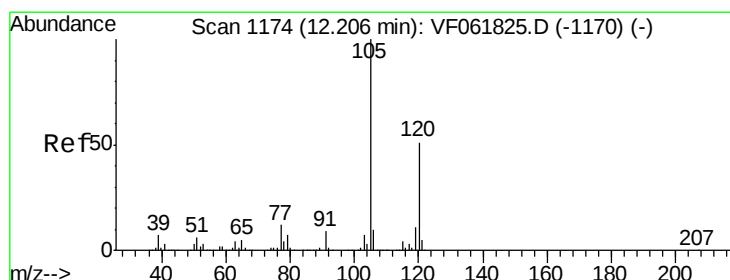
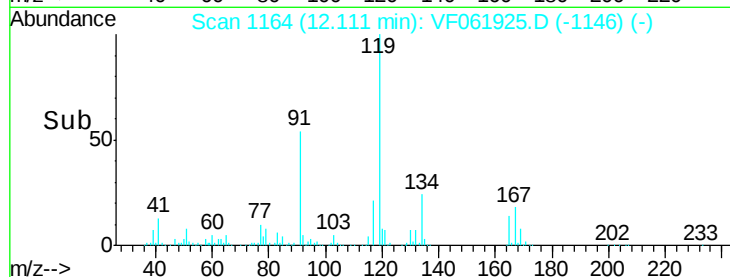
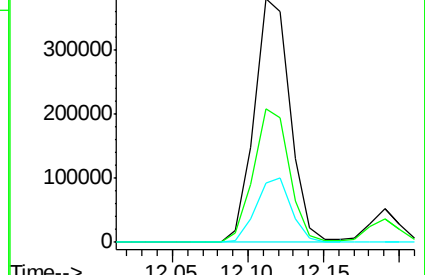
134 24.3 13.3 39.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 54.234 ug/l

RT: 12.19 min Scan# 1172

Delta R.T. -0.02 min

Lab File: VF061925.D

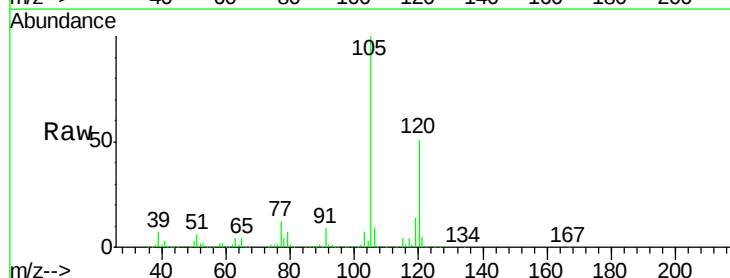
Acq: 13 Mar 2019 13:42

Tgt Ion:105 Resp: 573379

Ion Ratio Lower Upper

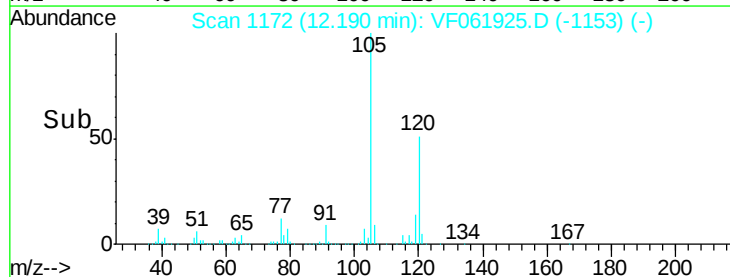
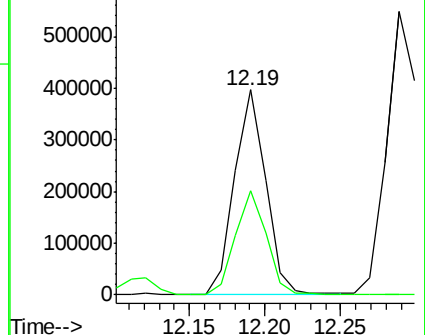
105 100

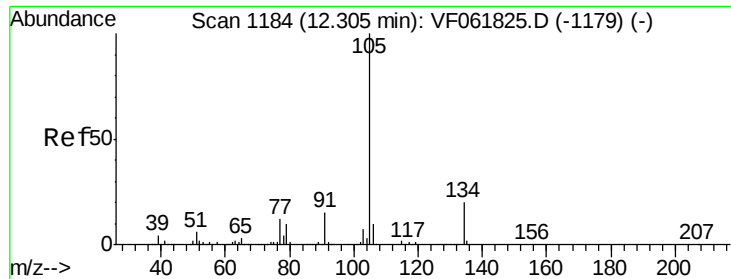
120 50.9 25.8 77.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

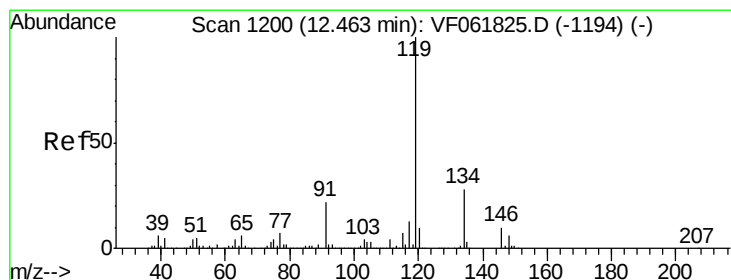
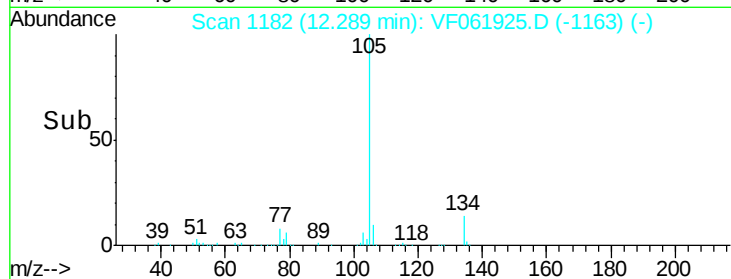
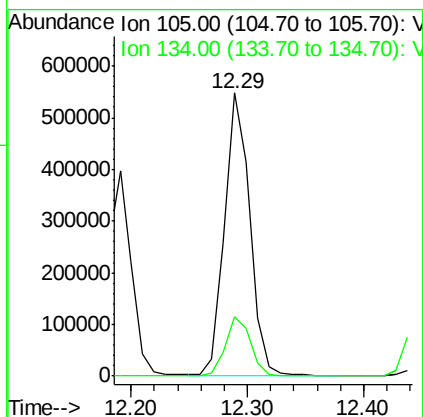
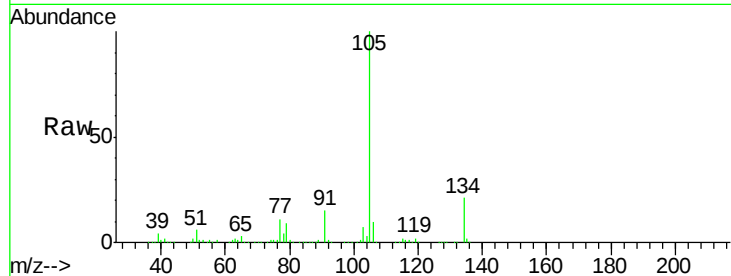




#85
 sec-Butylbenzene
 Concen: 55.186 ug/l
 RT: 12.29 min Scan# 1182
 Delta R.T. -0.02 min
 Lab File: VF061925.D
 Acq: 13 Mar 2019 13:42

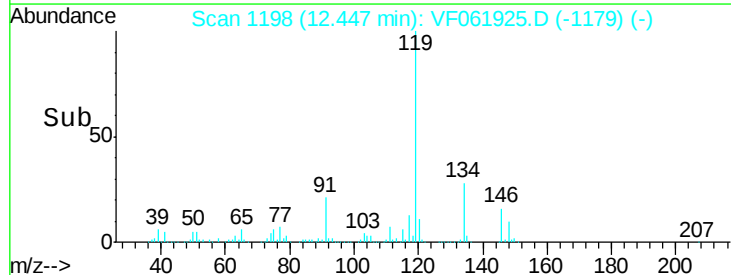
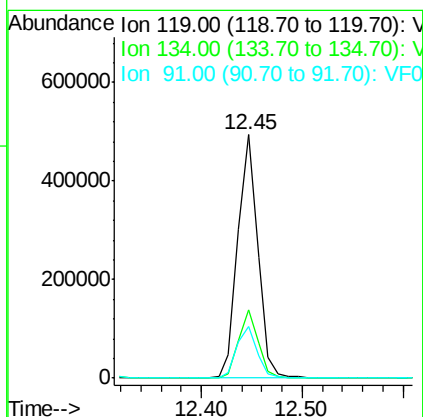
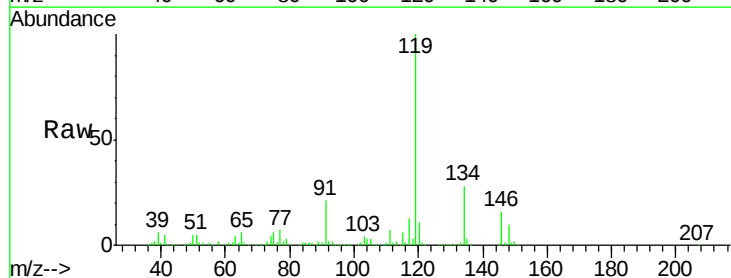
Instrument :
 MSVOA_F
 ClientSampled :
 BFB

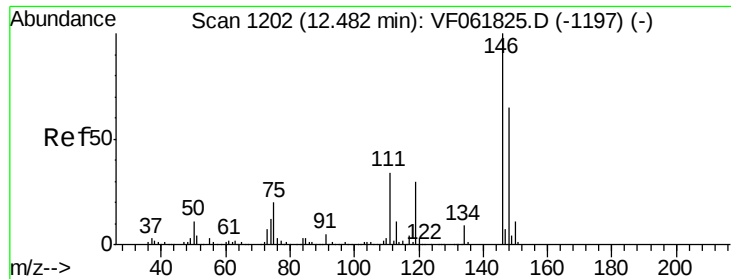
Tot Ion:105 Resp: 822415
 Ion Ratio Lower Upper
 105 100
 134 21.0 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 54.015 ug/l
 RT: 12.45 min Scan# 1198
 Delta R.T. -0.02 min
 Lab File: VF061925.D
 Acq: 13 Mar 2019 13:42

Tgt Ion:119 Resp: 684236
 Ion Ratio Lower Upper
 119 100
 134 28.2 14.0 42.0
 91 21.3 11.1 33.3

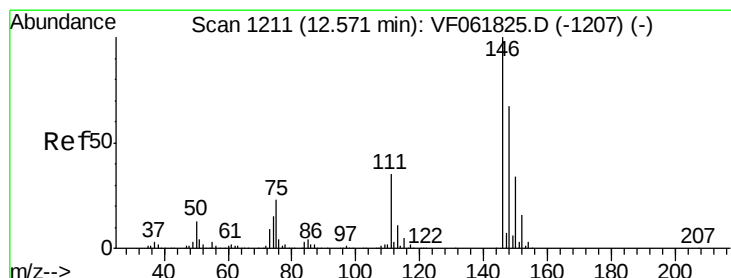
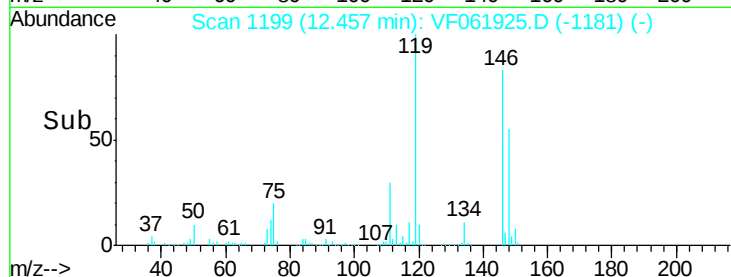
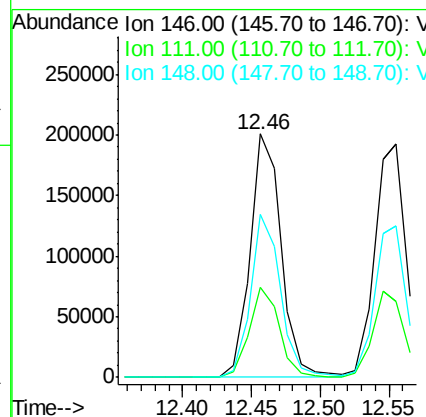
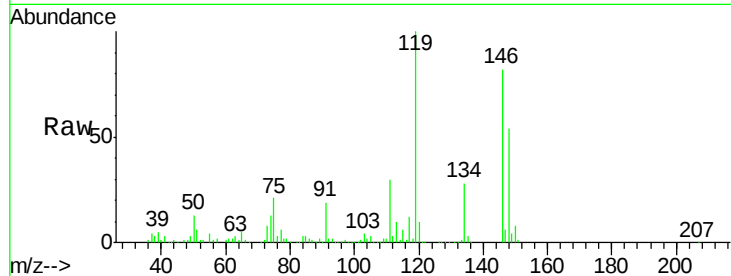




#87
 1,3-Dichlorobenzene
 Concen: 51.679 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.03 min
 Lab File: VF061925.D
 Acq: 13 Mar 2019 13:42

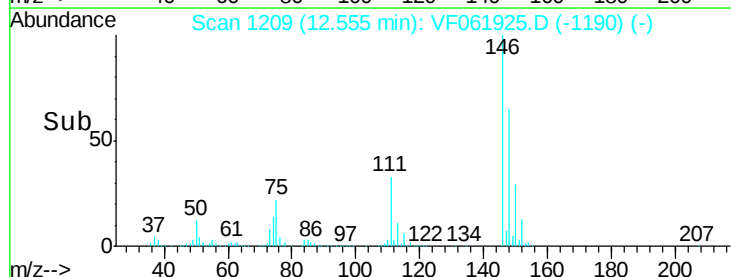
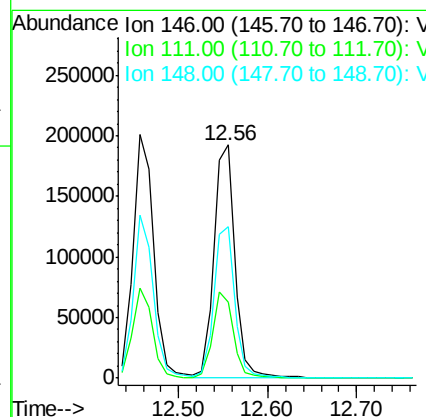
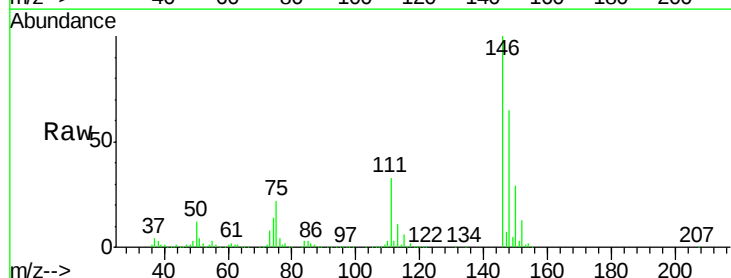
Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

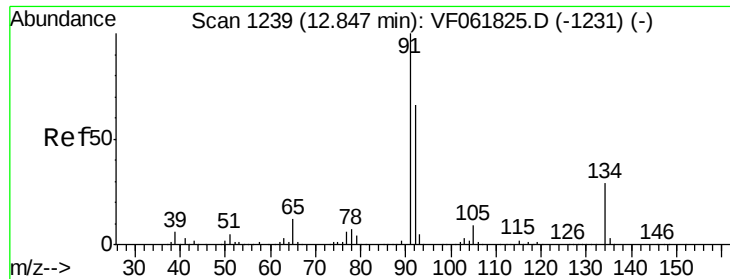
Tot Ion:146 Resp: 317230
 Ion Ratio Lower Upper
 146 100
 111 36.8 17.0 51.0
 148 66.8 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 52.926 ug/l
 RT: 12.56 min Scan# 1209
 Delta R.T. -0.02 min
 Lab File: VF061925.D
 Acq: 13 Mar 2019 13:42

Tgt Ion:146 Resp: 313397
 Ion Ratio Lower Upper
 146 100
 111 32.8 17.6 52.9
 148 65.0 33.5 100.4

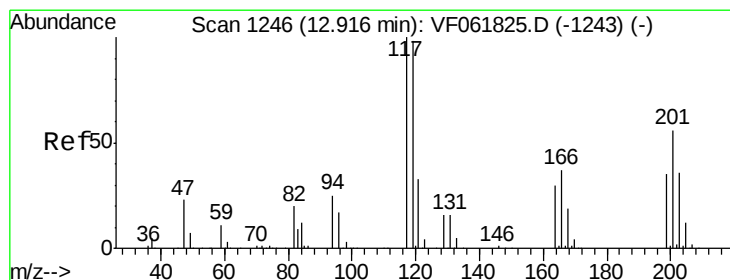
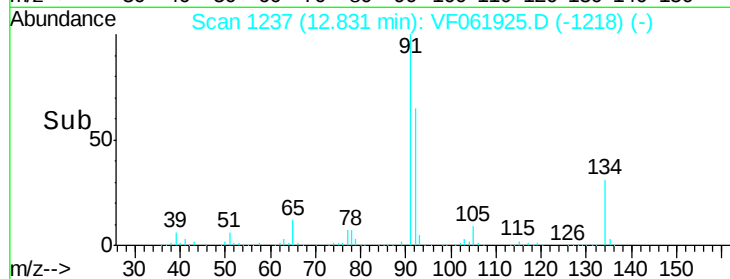
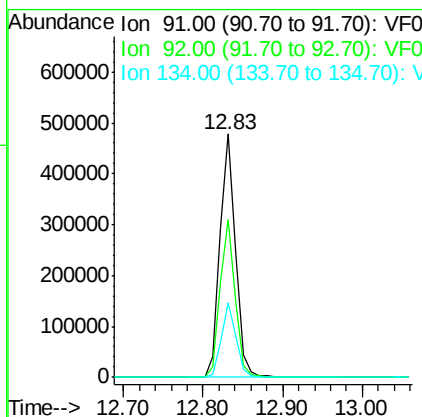
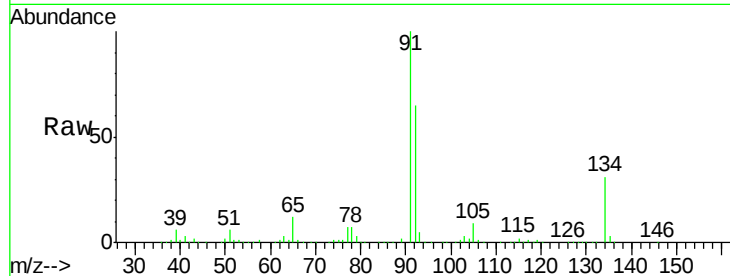




#89
n-Butylbenzene
Concen: 54.747 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VF061925.D
Acq: 13 Mar 2019 13:42

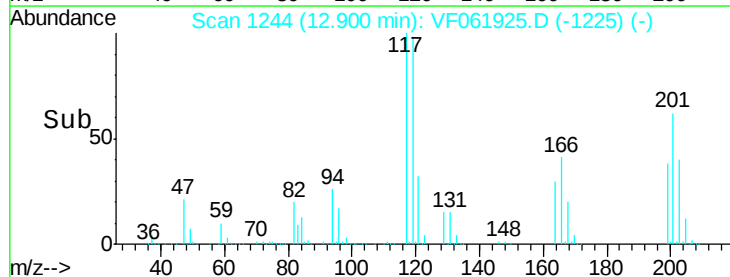
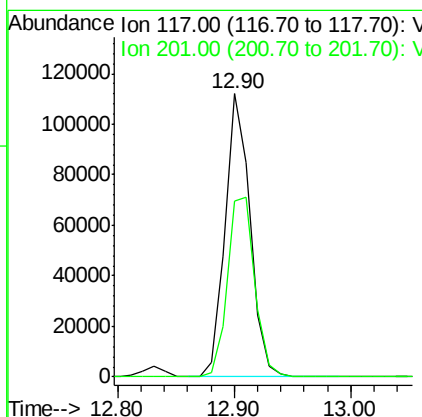
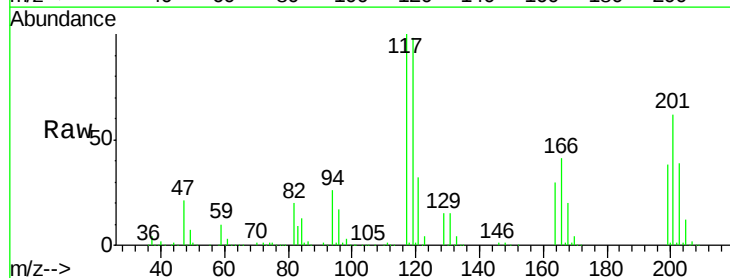
Instrument :
MSVOA_F
ClientSampleId :
BFB

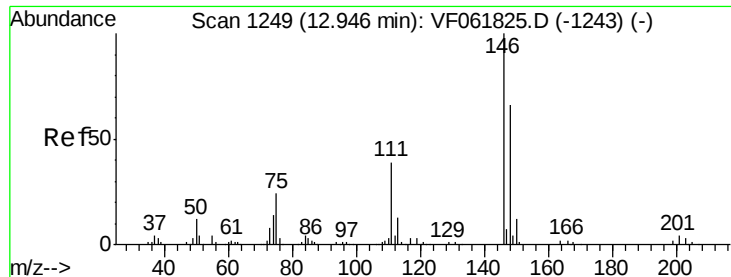
Tot Ion: 91 Resp: 662774
Ion Ratio Lower Upper
91 100
92 64.8 32.9 98.6
134 30.6 14.5 43.6



#90
Hexachloroethane
Concen: 54.841 ug/l
RT: 12.90 min Scan# 1244
Delta R.T. -0.02 min
Lab File: VF061925.D
Acq: 13 Mar 2019 13:42

Tgt Ion: 117 Resp: 167215
Ion Ratio Lower Upper
117 100
201 61.9 27.8 83.4





#91

1,2-Dichlorobenzene

Concen: 53.470 ug/l

RT: 12.93 min Scan# 1247

Delta R.T. -0.02 min

Lab File: VF061925.D

Acq: 13 Mar 2019 13:42

Instrument :

MSVOA_F

ClientSampleId :

BFB

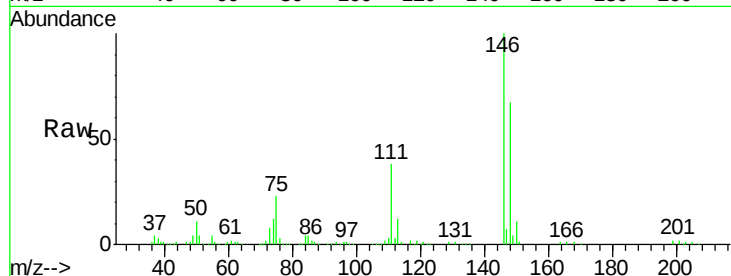
Tot Ion:146 Resp: 310975

Ion Ratio Lower Upper

146 100

111 37.6 19.4 58.4

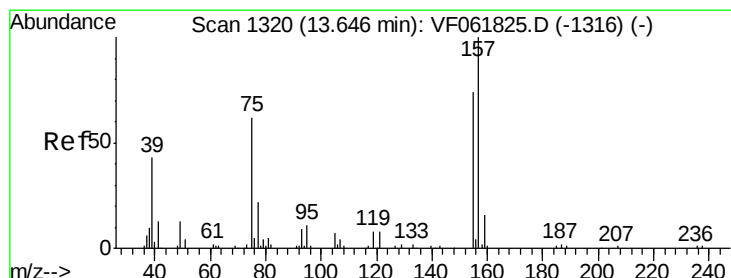
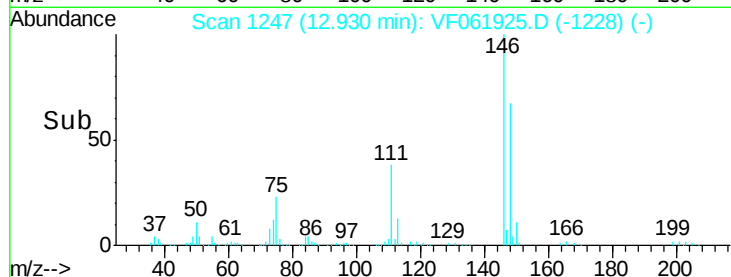
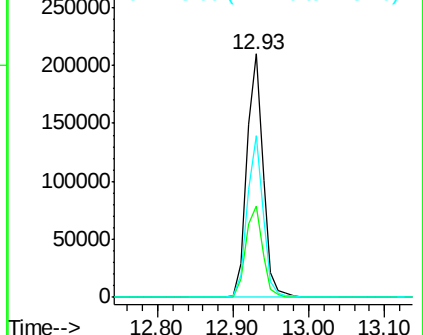
148 66.5 33.0 98.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.528 ug/l

RT: 13.63 min Scan# 1318

Delta R.T. -0.01 min

Lab File: VF061925.D

Acq: 13 Mar 2019 13:42

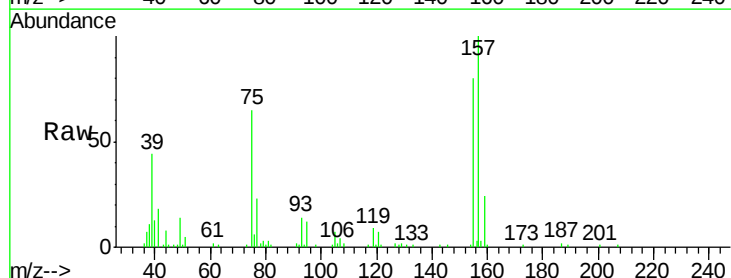
Tgt Ion: 75 Resp: 18767

Ion Ratio Lower Upper

75 100

155 123.2 59.8 179.4

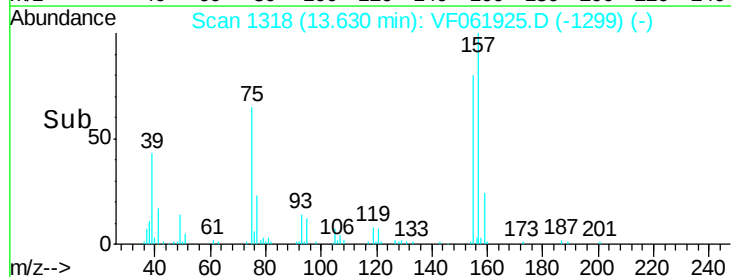
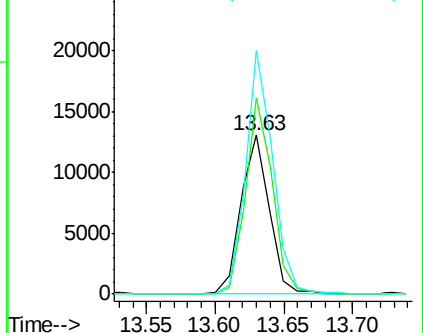
157 153.2 81.2 243.4

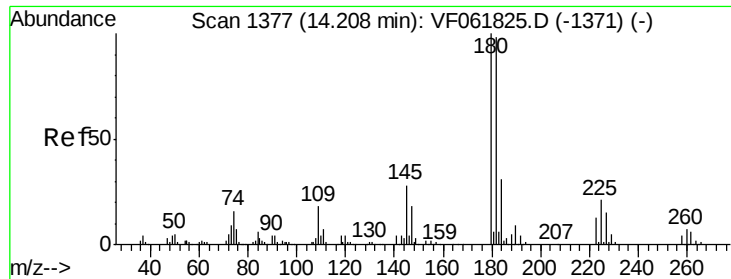


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

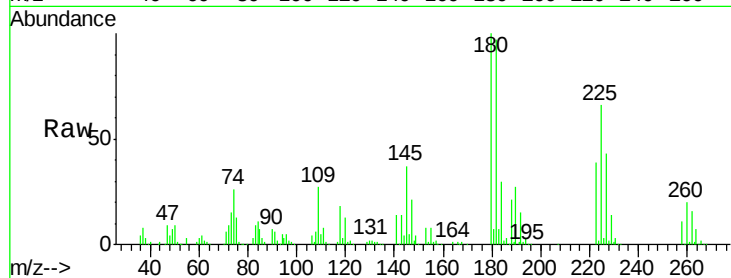




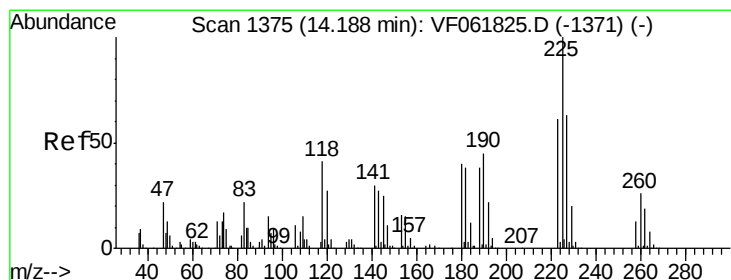
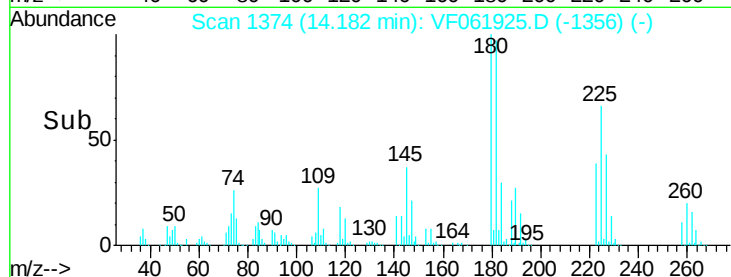
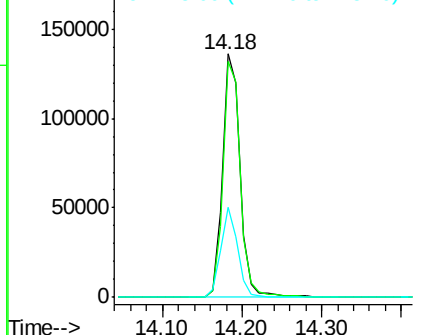
#93
 1,2,4-Trichlorobenzene
 Concen: 52.100 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.03 min
 Lab File: VF061925.D
 Acq: 13 Mar 2019 13:42

Instrument :
 MSVOA_F
 ClientSampleId :
 BFB

Tot Ion:180 Resp: 212429
 Ion Ratio Lower Upper
 180 100
 182 96.9 49.0 147.2
 145 37.1 14.1 42.4

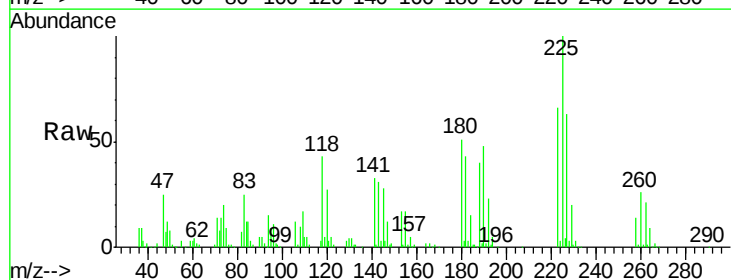


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

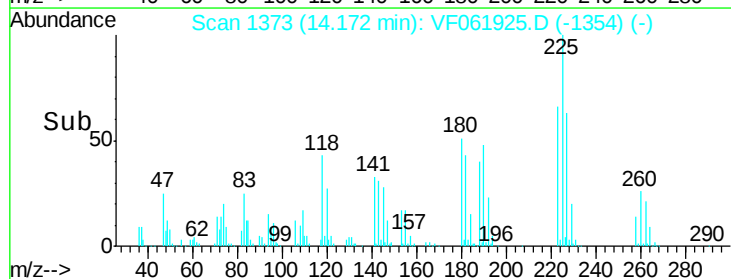
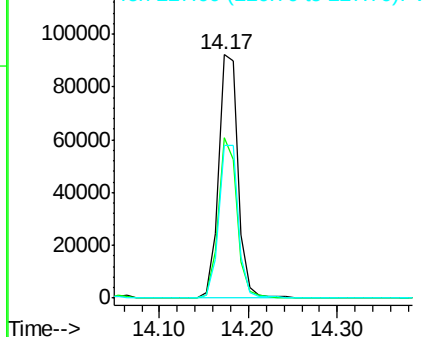


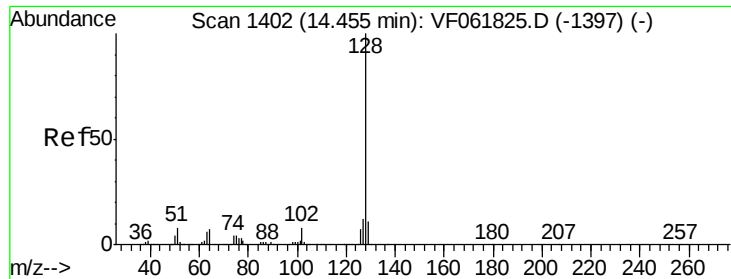
#94
 Hexachlorobutadiene
 Concen: 50.632 ug/l
 RT: 14.17 min Scan# 1373
 Delta R.T. -0.02 min
 Lab File: VF061925.D
 Acq: 13 Mar 2019 13:42

Tgt Ion:225 Resp: 142914
 Ion Ratio Lower Upper
 225 100
 223 65.9 30.3 90.9
 227 62.5 31.3 93.8



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

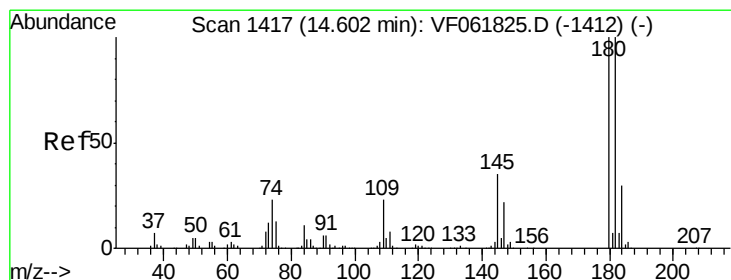
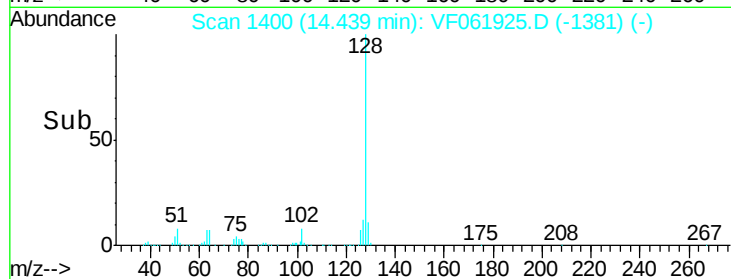
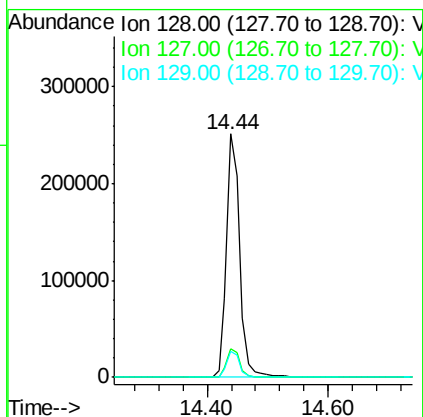
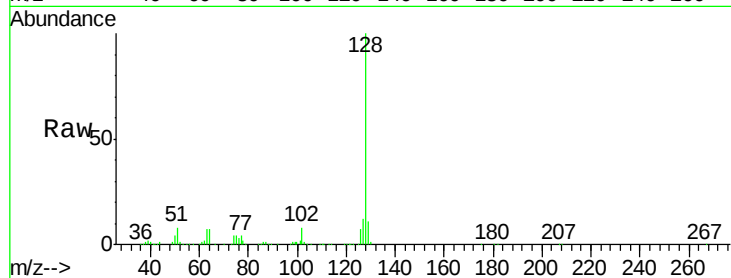




#95
Naphthalene
Concen: 52.403 ug/l
RT: 14.44 min Scan# 1400
Delta R.T. -0.02 min
Lab File: VF061925.D
Acq: 13 Mar 2019 13:42

Instrument :
MSVOA_F
ClientSampleId :
BFB

Tot Ion:128 Resp: 380549
Ion Ratio Lower Upper
128 100
127 11.9 9.3 13.9
129 10.7 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 52.159 ug/l
RT: 14.59 min Scan# 1415
Delta R.T. -0.02 min
Lab File: VF061925.D
Acq: 13 Mar 2019 13:42

Tgt Ion:180 Resp: 196360
Ion Ratio Lower Upper
180 100
182 96.9 50.2 150.7
145 32.4 17.5 52.5

