

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF112018\
 Data File : VF060805.D
 Acq On : 20 Nov 2018 15:20
 Operator : VA/AP
 Sample : VF1120SBD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1120SBD01

Quant Time: Nov 20 16:44:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	186532	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.61	114	293009	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.78	117	264476	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	145604	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	99979	46.99	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	93.98%	
35) Dibromofluoromethane	4.13	113	118725	53.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.80%	
50) Toluene-d8	7.56	98	272677	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
62) 4-Bromofluorobenzene	11.42	95	139248	53.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.46%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	0.96	85	74036	22.18	ug/l	96
3) Chloromethane	1.10	50	47949	23.16	ug/l	# 85
4) Vinyl Chloride	1.14	62	44600	24.08	ug/l	95
5) Bromomethane	1.33	94	25933	22.04	ug/l	89
6) Chloroethane	1.40	64	16727	23.08	ug/l	98
7) Trichlorofluoromethane	1.49	101	62224	15.19	ug/l	98
8) Diethyl Ether	1.63	74	11943	22.76	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.83	101	45762	23.71	ug/l	99
10) Methyl Iodide	1.90	142	55462	17.91	ug/l	97
11) Tert butyl alcohol	2.58	59	13260	136.94	ug/l	98
12) 1,1-Dichloroethene	1.79	96	37777	24.82	ug/l	83
13) Acrolein	2.01	56	7285	82.28	ug/l	86
14) Allyl chloride	2.10	41	53799	20.18	ug/l	90
15) Acrylonitrile	2.94	53	25940	125.72	ug/l	96
16) Acetone	2.24	43	50717	111.52	ug/l	98
17) Carbon Disulfide	1.84	76	105908	23.03	ug/l	99
18) Methyl Acetate	2.35	43	19198	25.71	ug/l	99
19) Methyl tert-butyl Ether	2.43	73	84978	23.28	ug/l	97
20) Methylene Chloride	2.19	84	13163	6.20	ug/l	95
21) trans-1,2-Dichloroethene	2.31	96	39742	25.00	ug/l	95
22) Diisopropyl ether	2.81	45	123043	23.91	ug/l	98
23) Vinyl Acetate	3.19	43	303040	125.03	ug/l	99
24) 1,1-Dichloroethane	2.88	63	71209	22.85	ug/l	99
25) 2-Butanone	4.35	43	86567	115.73	ug/l	97
26) 2,2-Dichloropropane	3.61	77	48081	19.61	ug/l	99
27) cis-1,2-Dichloroethene	3.49	96	61228	22.64	ug/l	96
28) Bromochloromethane	3.72	49	36357	22.45	ug/l	97
29) Tetrahydrofuran	4.08	42	37651	122.03	ug/l	96
30) Chloroform	3.86	83	111196	22.24	ug/l	99
31) Cyclohexane	3.69	56	87300	23.08	ug/l	97
32) 1,1,1-Trichloroethane	4.11	97	80956	20.56	ug/l	94
36) 1,1-Dichloropropene	4.29	75	80182	23.60	ug/l	97
37) Ethyl Acetate	4.12	43	32615	25.82	ug/l	# 67
38) Carbon Tetrachloride	3.99	117	69459	21.07	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	93020	23.59	ug/l	97
40) Benzene	4.64	78	183694	24.25	ug/l	99
41) Methacrylonitrile	4.75	41	17775	24.15	ug/l	91
42) 1,2-Dichloroethane	4.95	62	57496	21.96	ug/l	98
43) Isopropyl Acetate	6.97	43	39667	23.68	ug/l #	84
44) Trichloroethene	5.51	130	56767	23.75	ug/l	88
45) 1,2-Dichloropropane	6.25	63	47469	24.08	ug/l	91
46) Dibromomethane	6.10	93	31286	24.04	ug/l	99
47) Bromodichloromethane	6.40	83	79053	23.79	ug/l	96
48) Methyl methacrylate	6.72	41	27167	24.51	ug/l	96
49) 1,4-Dioxane	6.71	88	6176	595.68	ug/l	94
51) 4-Methyl-2-Pentanone	8.26	43	156168	128.90	ug/l	100
52) Toluene	7.63	92	116178	22.89	ug/l	98
53) t-1,3-Dichloropropene	8.29	75	58727	22.07	ug/l	99
54) cis-1,3-Dichloropropene	7.31	75	79236	22.92	ug/l	90
55) 1,1,2-Trichloroethane	8.50	97	32531	22.43	ug/l	93
56) Ethyl methacrylate	8.63	69	38934	23.64	ug/l	93
57) 1,3-Dichloropropane	8.86	76	58718	23.36	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.63	63	16711	111.06	ug/l	100
59) 2-Hexanone	9.50	43	115079	135.16	ug/l	98
60) Dibromochloromethane	8.73	129	45699	22.11	ug/l	95
61) 1,2-Dibromoethane	9.00	107	35244	23.11	ug/l	97
64) Tetrachloroethene	8.16	164	48296	23.06	ug/l	98
65) Chlorobenzene	9.81	112	119768	22.44	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.94	131	51908	22.30	ug/l	95
67) Ethyl Benzene	9.91	91	226247	22.49	ug/l	98
68) m/p-Xylenes	10.15	106	164759	45.83	ug/l	94
69) o-Xylene	10.72	106	89792	22.22	ug/l	99
70) Styrene	10.80	104	128958	23.51	ug/l	100
71) Bromoform	10.78	173	24021	22.95	ug/l	96
73) Isopropylbenzene	11.13	105	272655	23.26	ug/l	97
74) N-amyl acetate	11.38	43	72951	27.34	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.70	83	46837	24.17	ug/l	96
76) 1,2,3-Trichloropropane	11.80	75	31936	22.19	ug/l	99
77) Bromobenzene	11.51	156	57371	23.52	ug/l	87
78) n-propylbenzene	11.61	91	327689	23.97	ug/l	97
79) 2-Chlorotoluene	11.72	91	191121	24.06	ug/l	93
80) 1,3,5-Trimethylbenzene	11.83	105	226774	24.37	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.87	75	19761	27.95	ug/l #	84
82) 4-Chlorotoluene	11.90	91	193959	23.83	ug/l	94
83) tert-Butylbenzene	12.14	119	239793	24.27	ug/l	98
84) 1,2,4-Trimethylbenzene	12.21	105	231677	24.07	ug/l	91
85) sec-Butylbenzene	12.32	105	323914	24.17	ug/l	98
86) p-Isopropyltoluene	12.46	119	276330	24.69	ug/l	93
87) 1,3-Dichlorobenzene	12.48	146	115954	23.88	ug/l	97
88) 1,4-Dichlorobenzene	12.57	146	108116	23.17	ug/l	91
89) n-Butylbenzene	12.85	91	285075	24.96	ug/l	96
90) Hexachloroethane	12.93	117	63807	23.31	ug/l	96
91) 1,2-Dichlorobenzene	12.95	146	109407	23.93	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.65	75	7808	21.44	ug/l	90

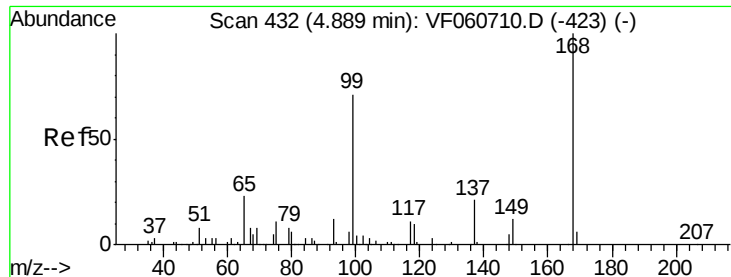
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF112018\
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Quant Title : SW846 8260
QLast Update : Wed Nov 14 03:11:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	81084	24.68	ug/l	92
94) Hexachlorobutadiene	14.20	225	51839	24.14	ug/l	97
95) Naphthalene	14.47	128	146003	24.35	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	72782	23.97	ug/l	92

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.01 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

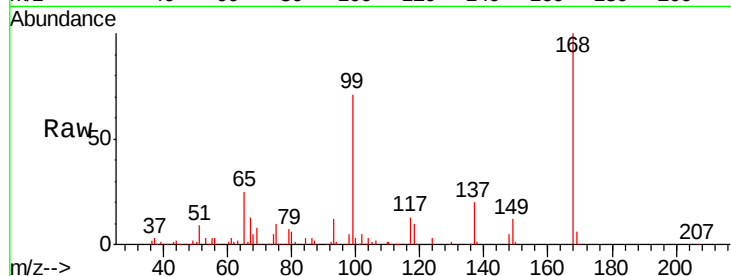
Instrument :
MSVOA_F
ClientSampleId :
VF1120SBD01

Tgt Ion:168 Resp: 186532

Ion Ratio Lower Upper

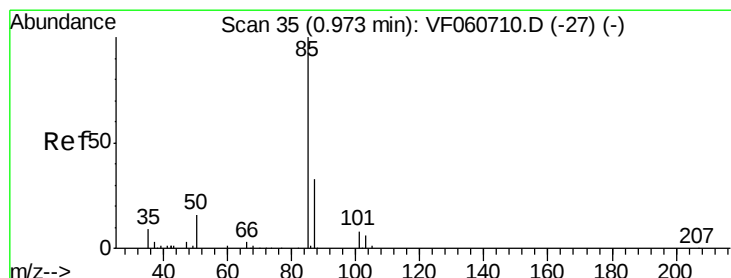
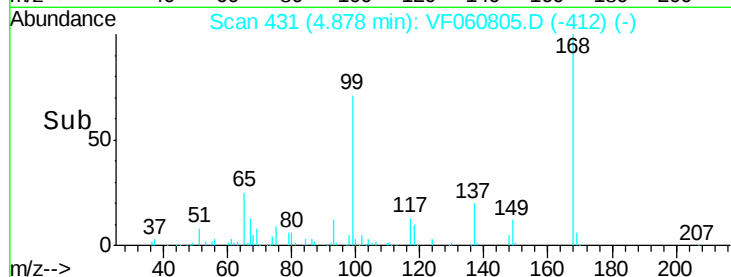
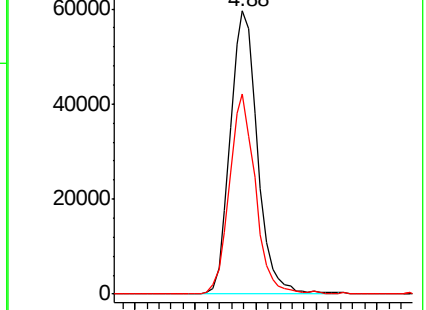
168 100

99 70.8 57.2 85.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 22.18 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060805.D

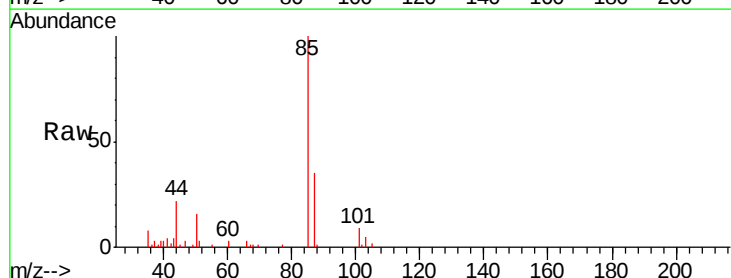
Acq: 20 Nov 2018 15:20

Tgt Ion: 85 Resp: 74036

Ion Ratio Lower Upper

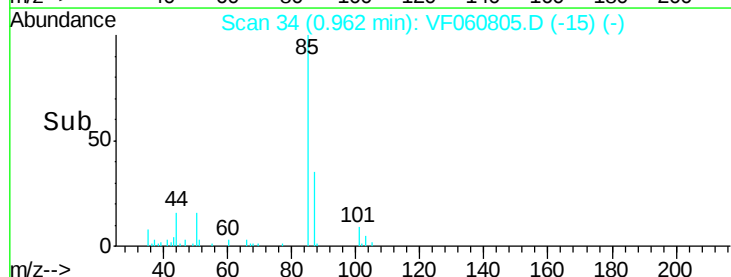
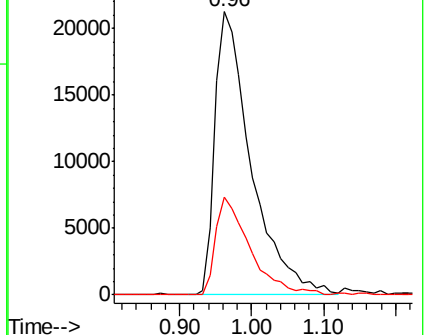
85 100

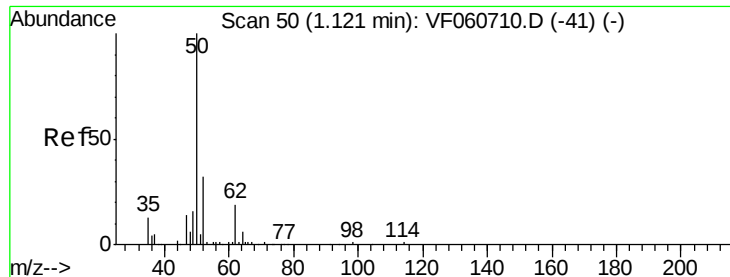
87 34.7 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 23.16 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.02 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

ClientSampleId :

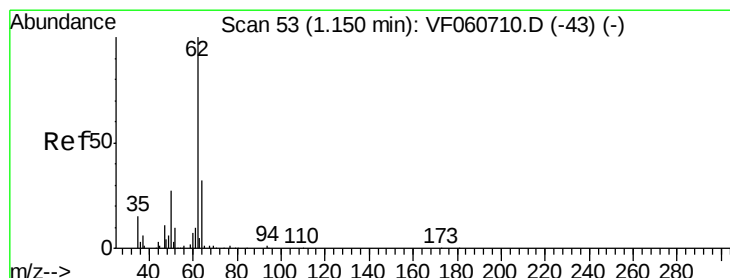
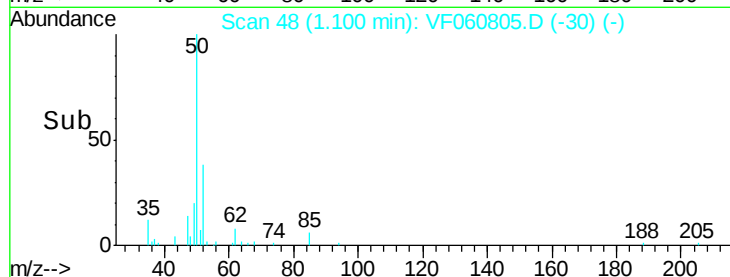
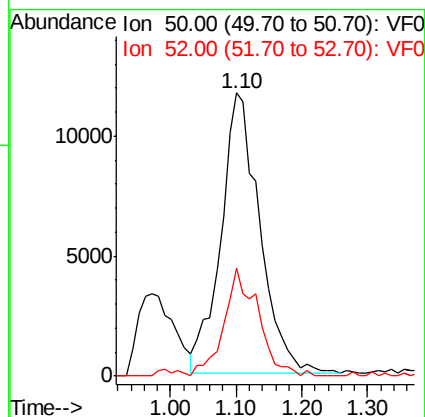
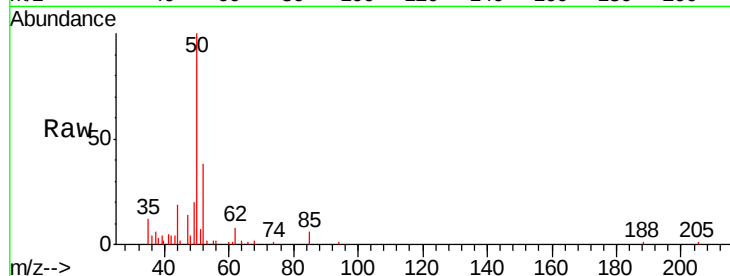
VF1120SBD01

Tgt Ion: 50 Resp: 47949

Ion Ratio Lower Upper

50 100

52 38.2 24.2 36.2#



#4

Vinyl Chloride

Concen: 24.08 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF060805.D

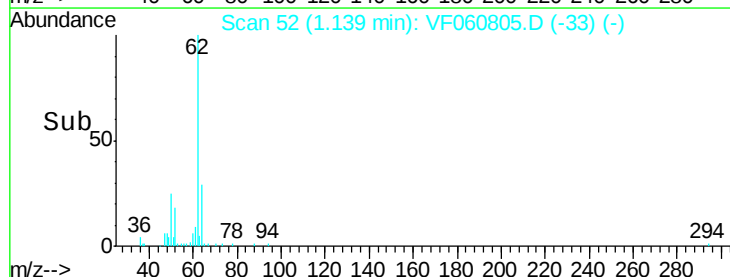
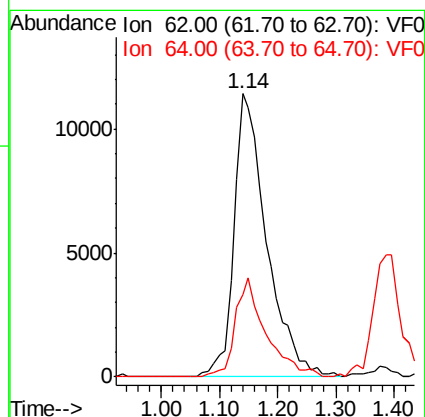
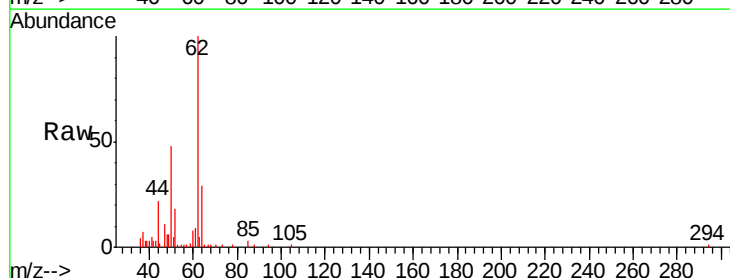
Acq: 20 Nov 2018 15:20

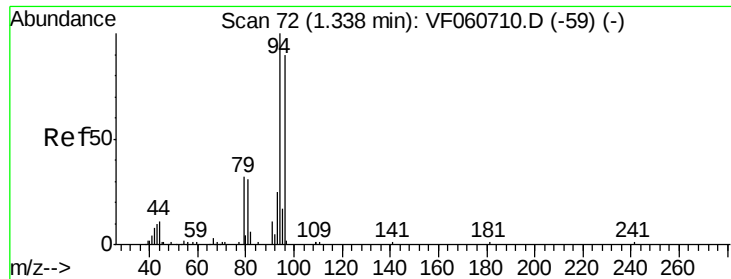
Tgt Ion: 62 Resp: 44600

Ion Ratio Lower Upper

62 100

64 29.3 25.8 38.8





#5

Bromomethane

Concen: 22.04 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

ClientSampleId :

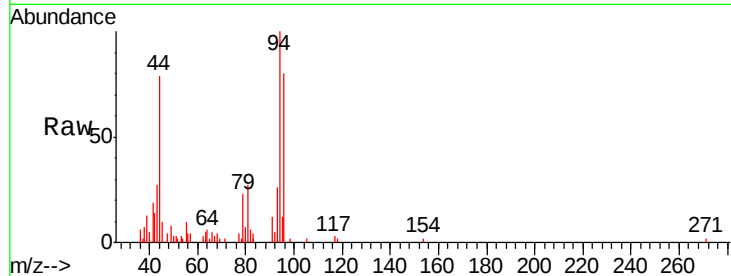
VF1120SBD01

Tgt Ion: 94 Resp: 25933

Ion Ratio Lower Upper

94 100

96 79.7 71.9 107.9



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.33

6000

5000

4000

3000

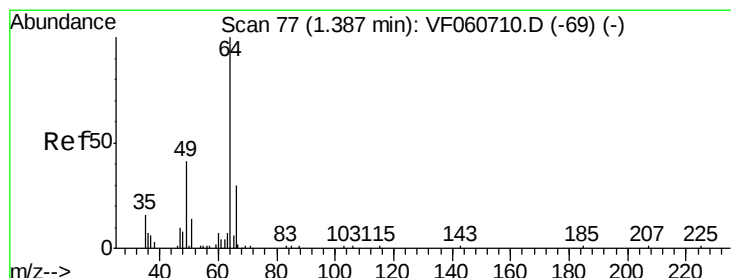
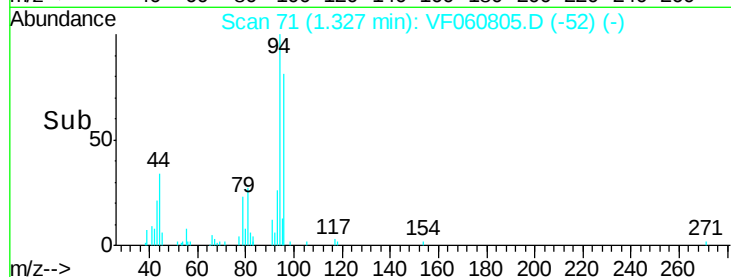
2000

1000

0

Time-->

1.20 1.30 1.40 1.50



#6

Chloroethane

Concen: 23.08 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.01 min

Lab File: VF060805.D

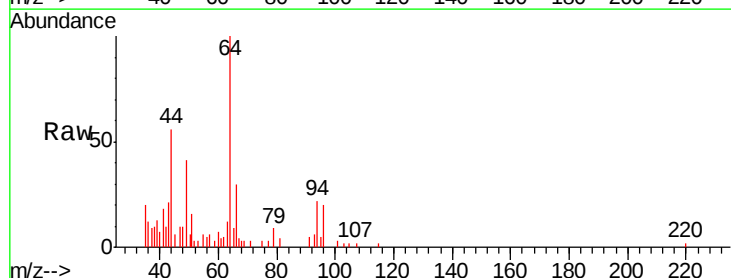
Acq: 20 Nov 2018 15:20

Tgt Ion: 64 Resp: 16727

Ion Ratio Lower Upper

64 100

66 30.0 24.8 37.2



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

1.40

5000

4000

3000

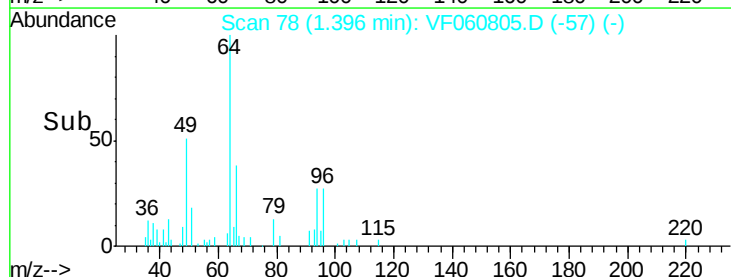
2000

1000

0

Time-->

1.20 1.30 1.40 1.50





#7

Trichlorofluoromethane

Concen: 15.19 ug/l

RT: 1.49 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

ClientSampleId :

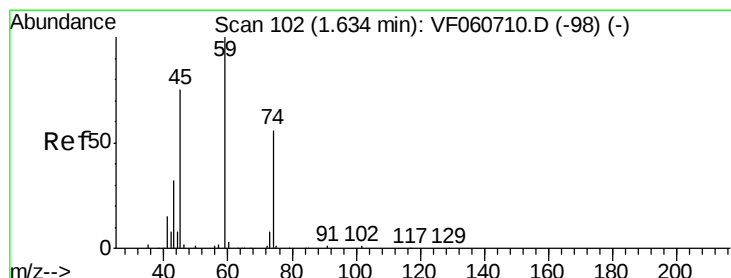
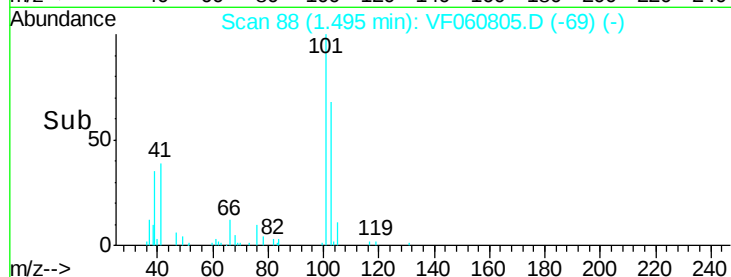
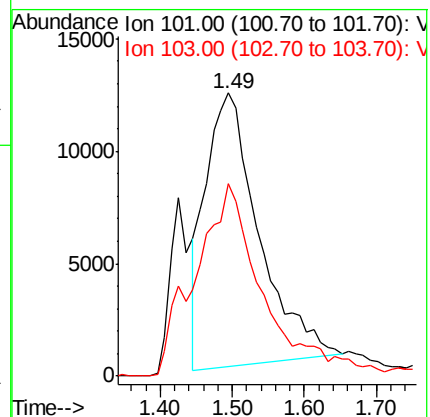
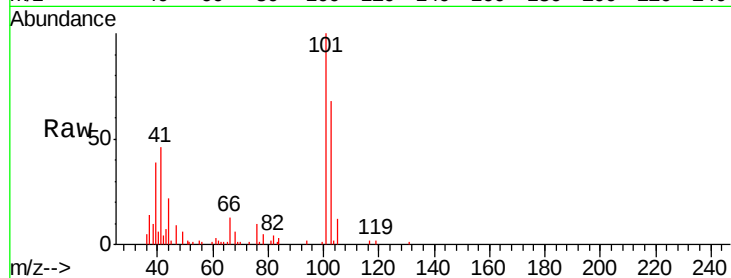
VF1120SBD01

Tgt Ion:101 Resp: 62224

Ion Ratio Lower Upper

101 100

103 68.2 53.1 79.7



#8

Diethyl Ether

Concen: 22.76 ug/l

RT: 1.63 min Scan# 102

Delta R.T. -0.00 min

Lab File: VF060805.D

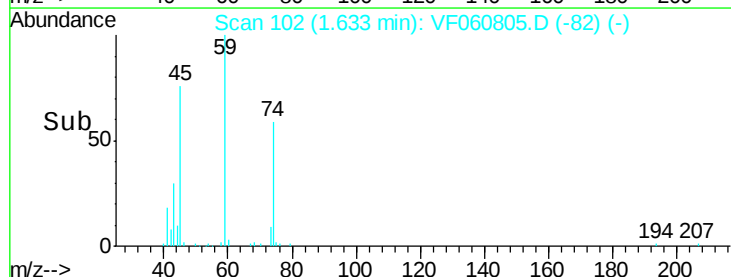
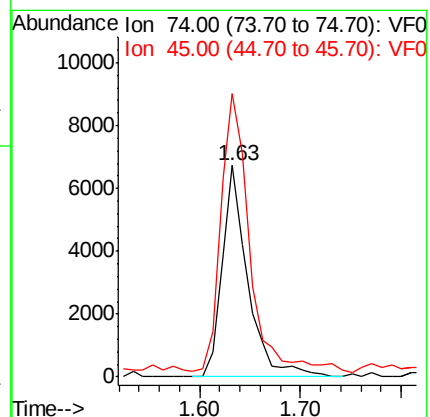
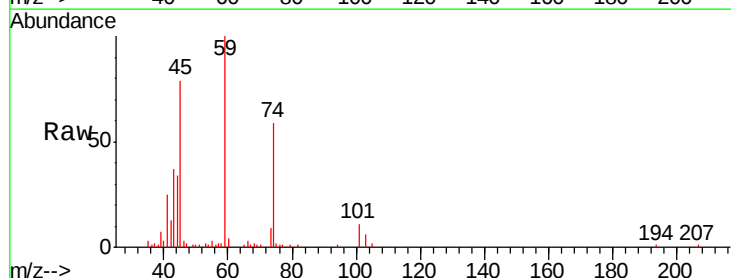
Acq: 20 Nov 2018 15:20

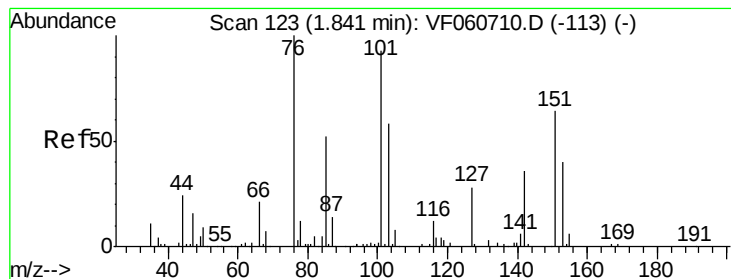
Tgt Ion: 74 Resp: 11943

Ion Ratio Lower Upper

74 100

45 134.0 67.7 203.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.71 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

ClientSampleId :

VF1120SBD01

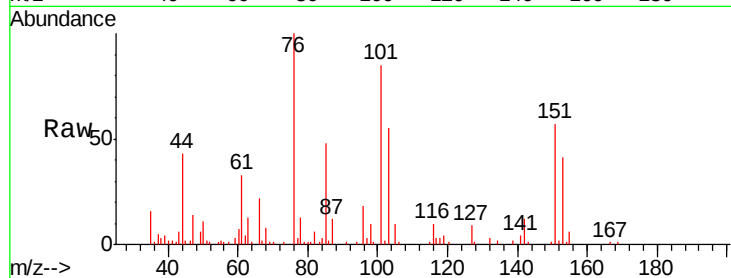
Tgt Ion:101 Resp: 45762

Ion Ratio Lower Upper

101 100

85 55.9 43.6 65.4

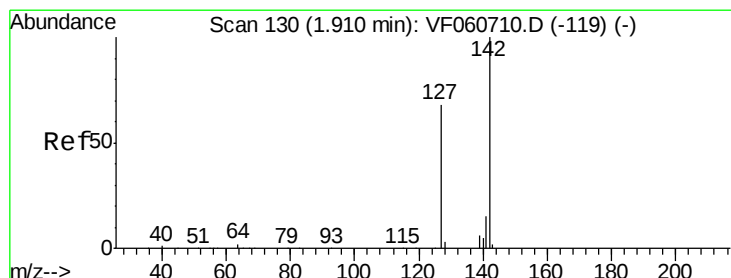
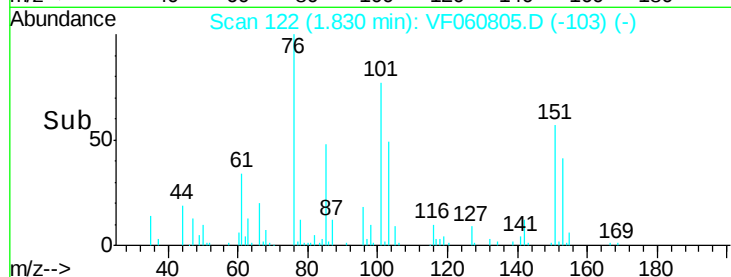
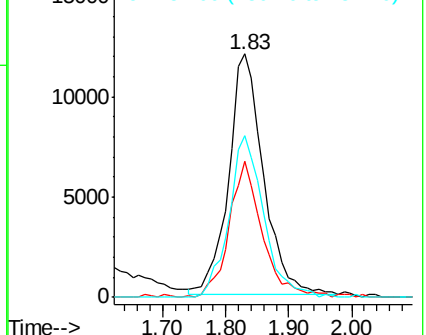
151 66.3 53.1 79.7



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: 17.91 ug/l

RT: 1.90 min Scan# 129

Delta R.T. -0.01 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

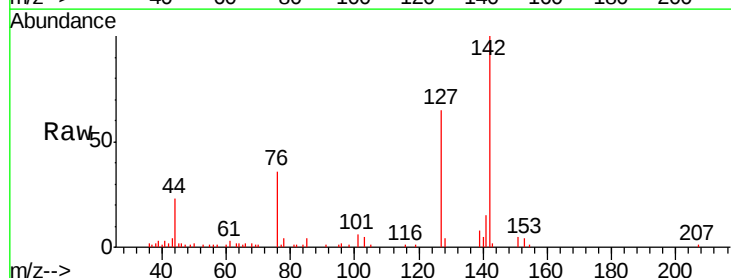
Tgt Ion:142 Resp: 55462

Ion Ratio Lower Upper

142 100

127 64.8 54.0 81.0

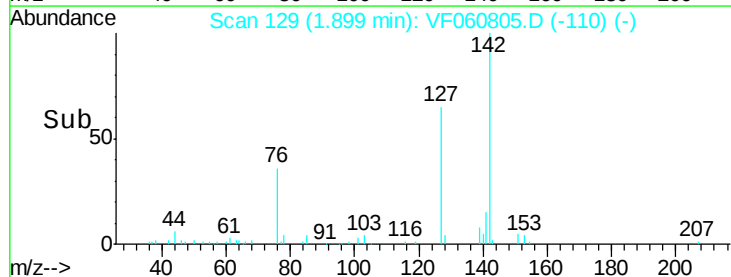
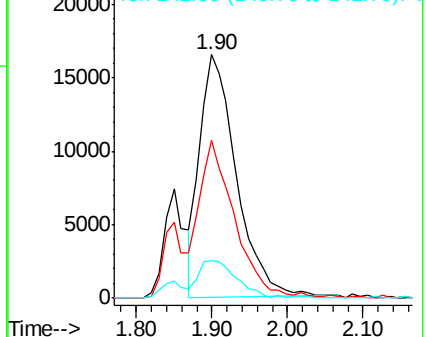
141 15.4 12.3 18.5

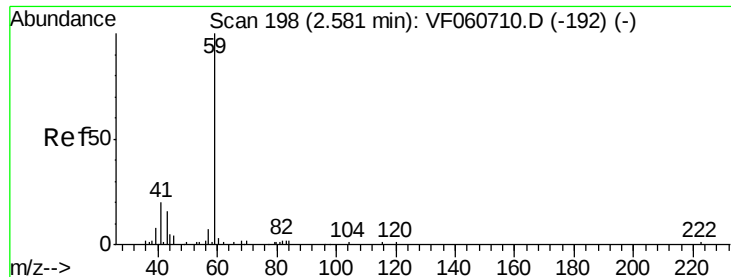


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



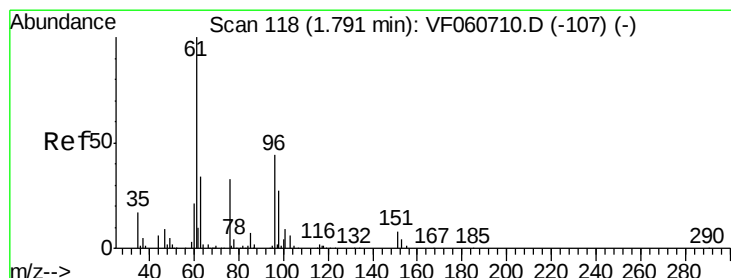
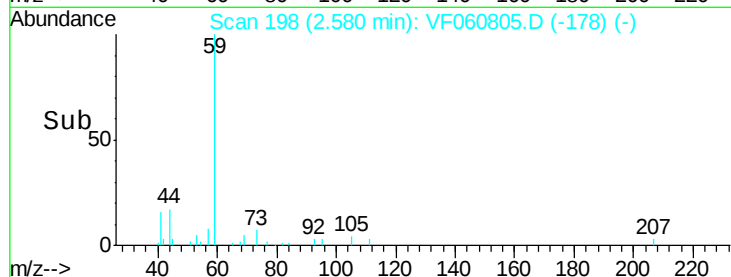
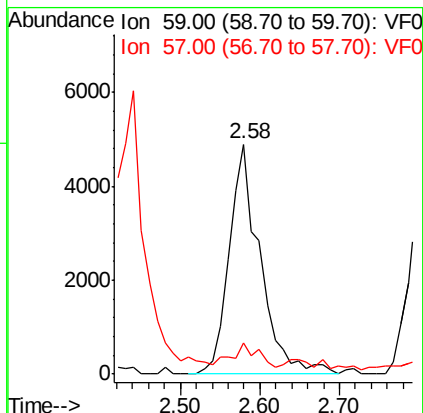
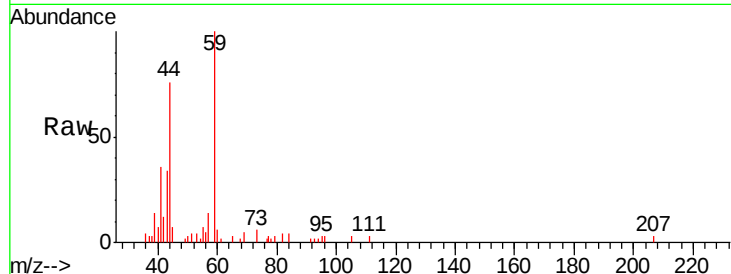


#11

Tert butyl alcohol
Concen: 136.94 ug/l
RT: 2.58 min Scan# 198
Delta R.T. -0.00 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

Instrument :
MSVOA_F
ClientSampleId :
VF1120SBD01

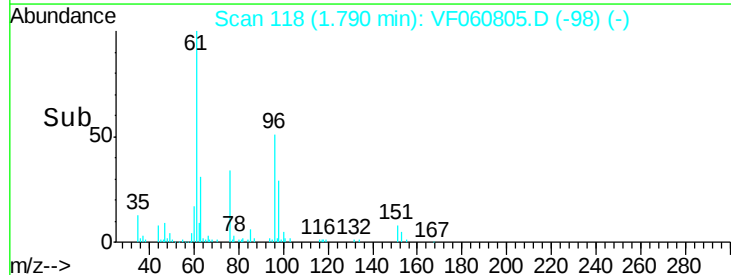
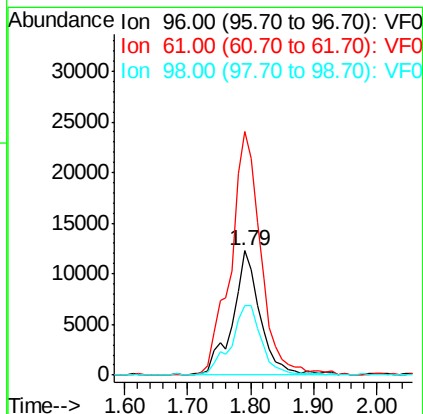
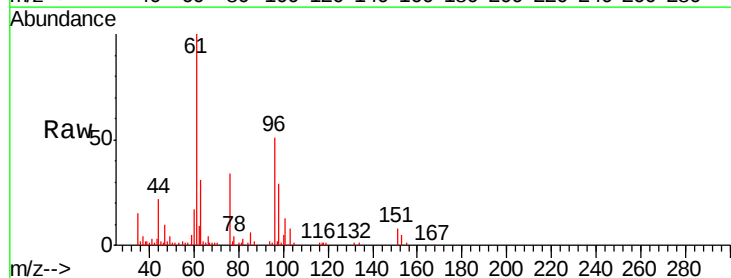
Tgt Ion: 59 Resp: 13260
Ion Ratio Lower Upper
59 100
57 13.7 10.5 15.7

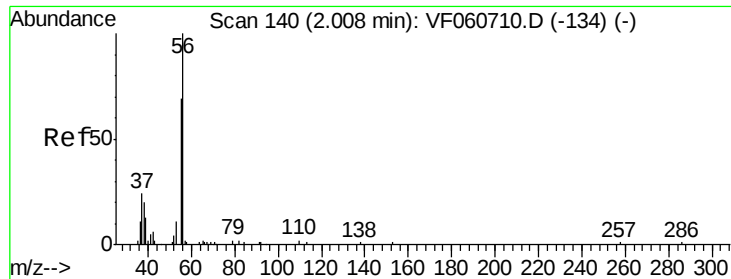


#12

1,1-Dichloroethene
Concen: 24.82 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

Tgt Ion: 96 Resp: 37777
Ion Ratio Lower Upper
96 100
61 195.7 182.2 273.2
98 55.9 49.2 73.8





#13

Acrolein

Concen: 82.28 ug/l

RT: 2.01 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

ClientSampleId :

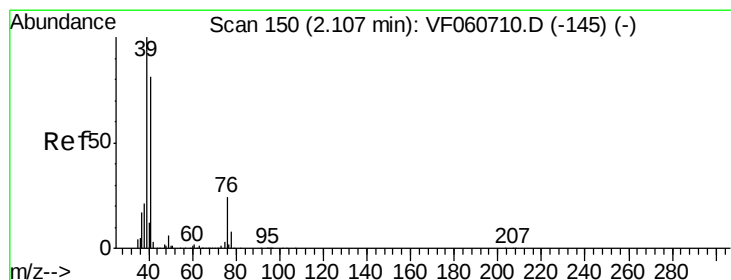
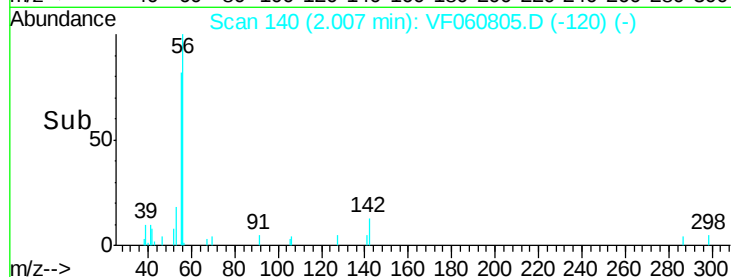
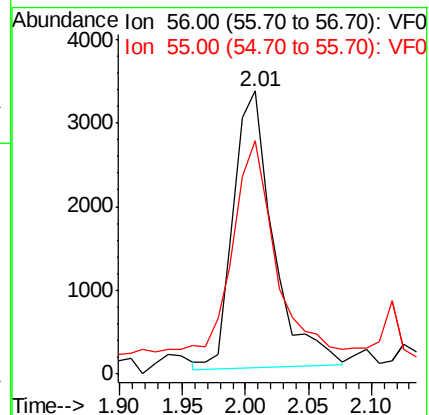
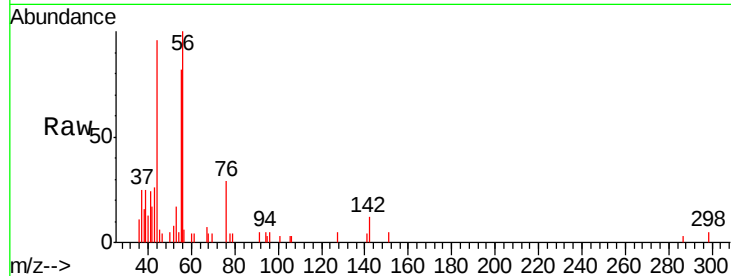
VF1120SBD01

Tgt Ion: 56 Resp: 7285

Ion Ratio Lower Upper

56 100

55 82.5 56.6 85.0



#14

Allyl chloride

Concen: 20.18 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.01 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

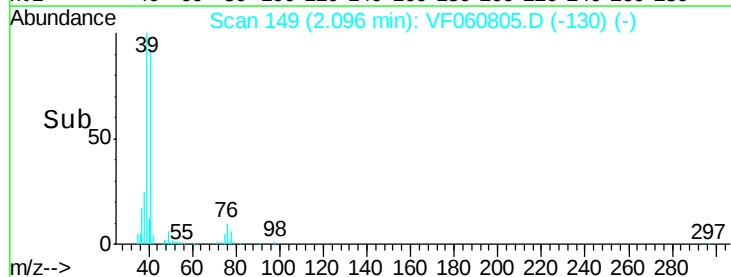
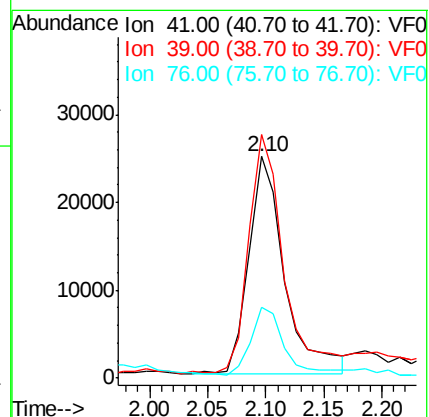
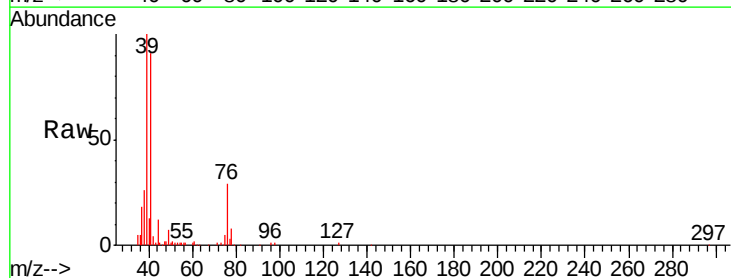
Tgt Ion: 41 Resp: 53799

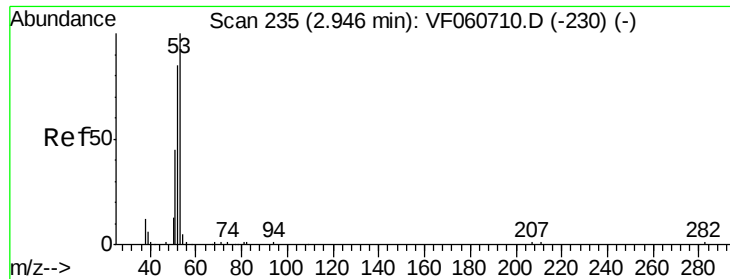
Ion Ratio Lower Upper

41 100

39 109.8 98.5 147.7

76 31.8 24.5 36.7





#15

Acrylonitrile

Concen: 125.72 ug/l

RT: 2.94 min Scan# 235

Delta R.T. -0.00 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

ClientSampleId :

VF1120SBD01

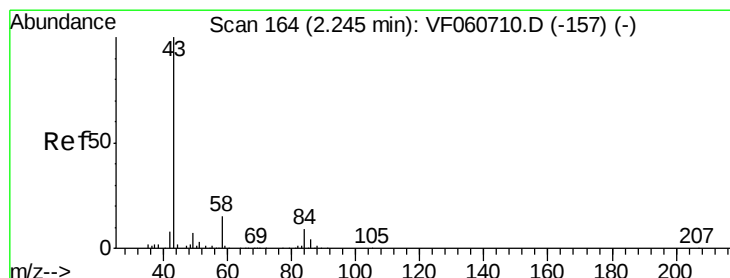
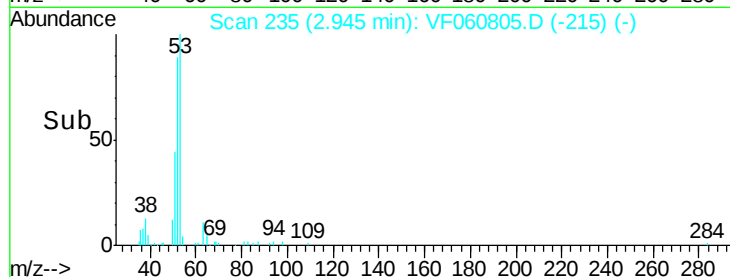
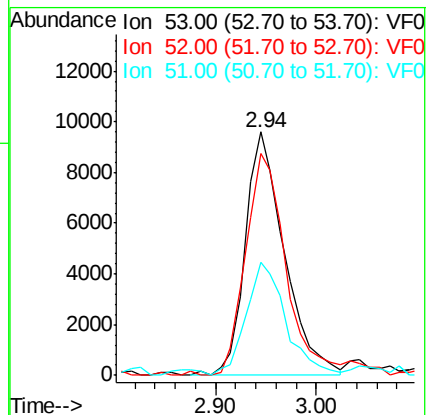
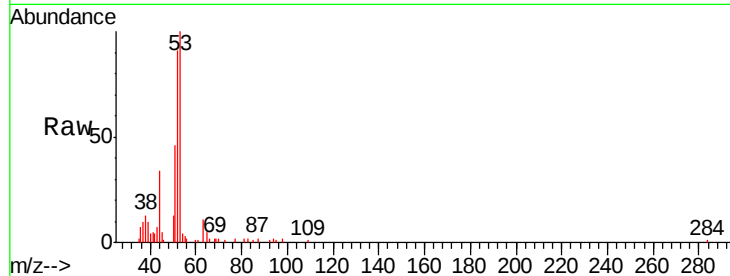
Tgt Ion: 53 Resp: 25940

Ion Ratio Lower Upper

53 100

52 91.2 68.8 103.2

51 46.2 36.7 55.1



#16

Acetone

Concen: 111.52 ug/l

RT: 2.24 min Scan# 164

Delta R.T. -0.00 min

Lab File: VF060805.D

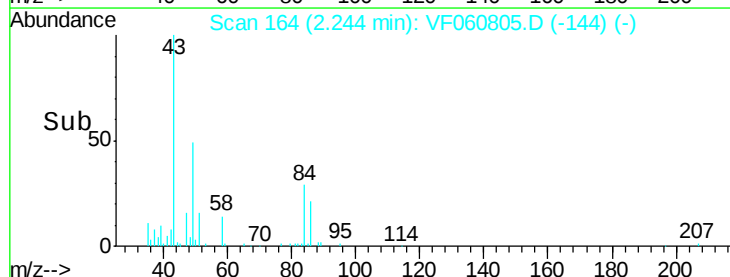
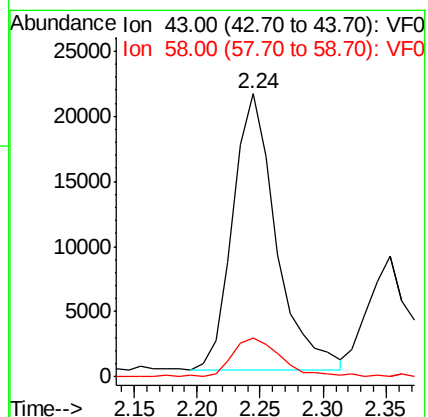
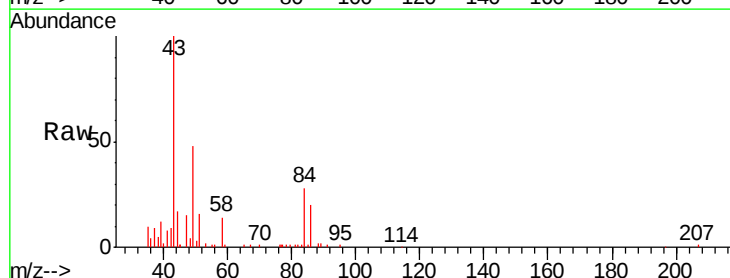
Acq: 20 Nov 2018 15:20

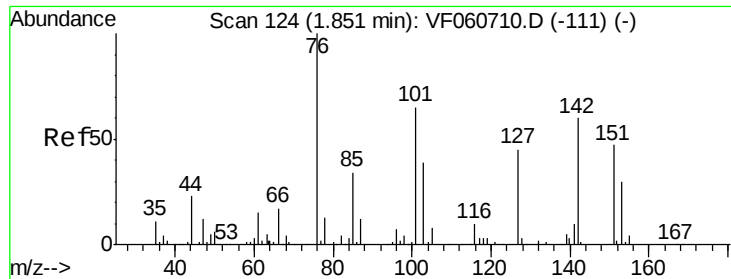
Tgt Ion: 43 Resp: 50717

Ion Ratio Lower Upper

43 100

58 13.8 11.6 17.4

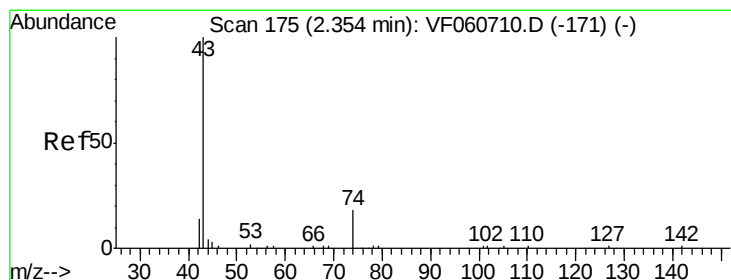
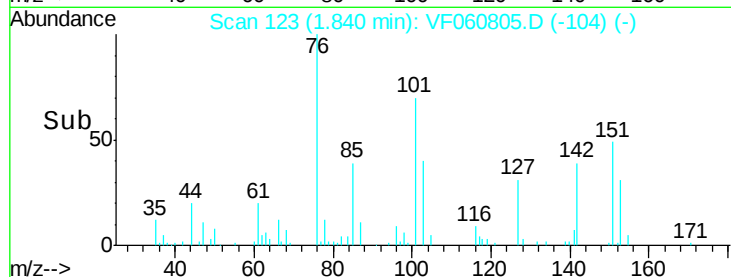
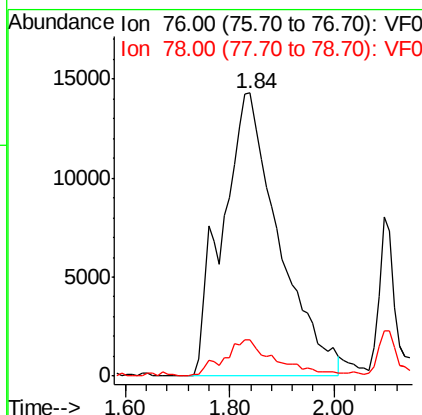
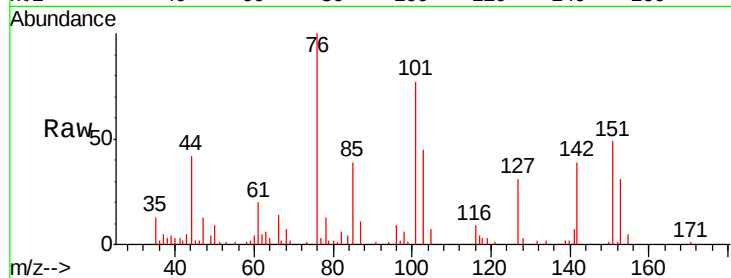




#17
Carbon Disulfide
Concen: 23.03 ug/l
RT: 1.84 min Scan# 123
Delta R.T. -0.01 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

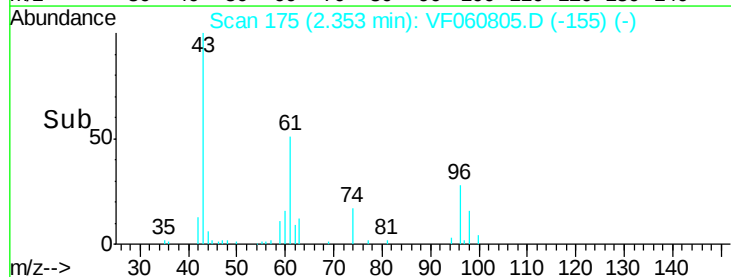
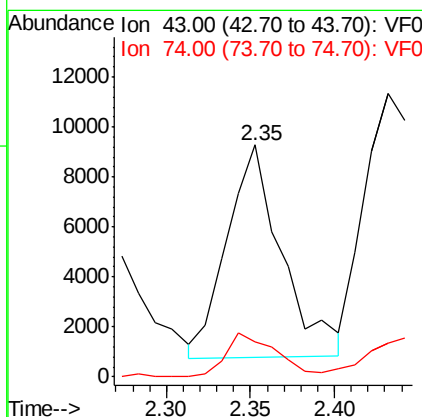
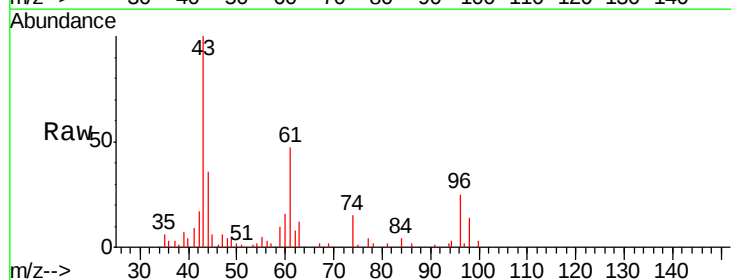
Instrument :
MSVOA_F
ClientSampleId :
VF1120SBD01

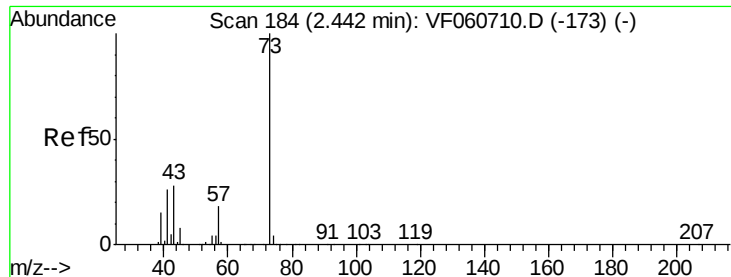
Tgt Ion: 76 Resp: 105908
Ion Ratio Lower Upper
76 100
78 12.8 10.5 15.7



#18
Methyl Acetate
Concen: 25.71 ug/l
RT: 2.35 min Scan# 175
Delta R.T. -0.00 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

Tgt Ion: 43 Resp: 19198
Ion Ratio Lower Upper
43 100
74 15.2 11.8 17.8

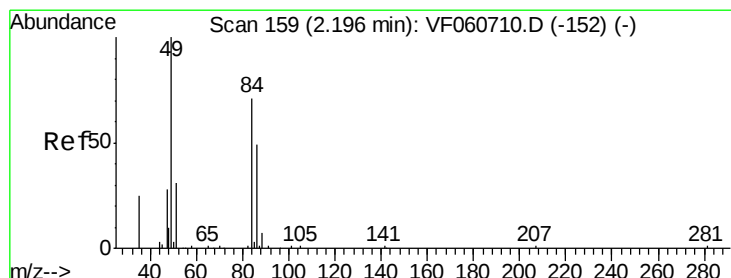
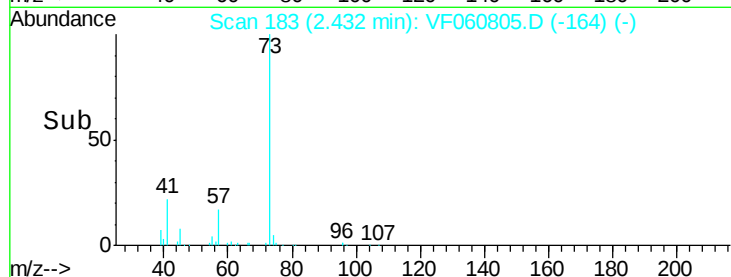
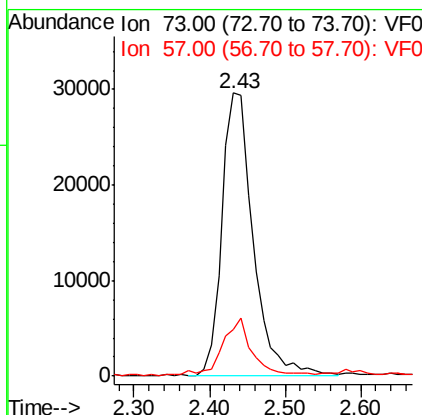
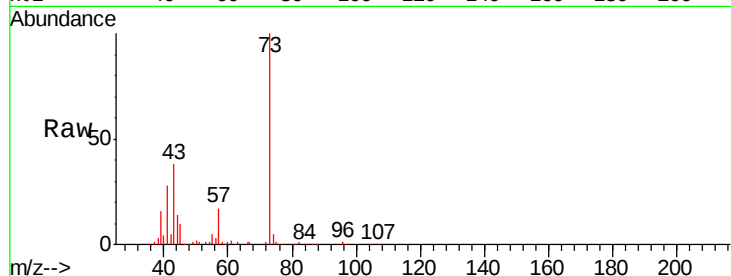




#19
Methyl tert-butyl Ether
Concen: 23.28 ug/l
RT: 2.43 min Scan# 183
Delta R.T. -0.01 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

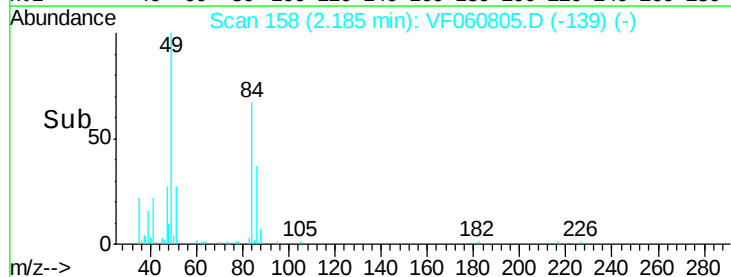
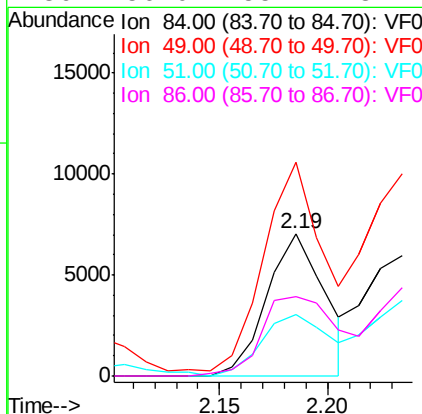
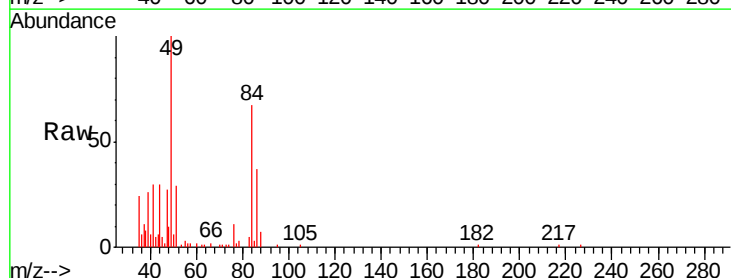
Instrument :
MSVOA_F
ClientSampleId :
VF1120SBD01

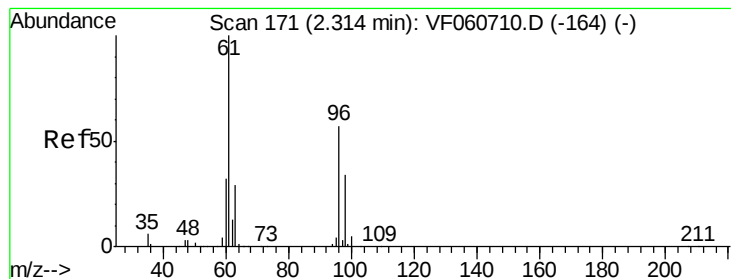
Tgt Ion: 73 Resp: 84978
Ion Ratio Lower Upper
73 100
57 16.6 14.3 21.5



#20
Methylene Chloride
Concen: 6.20 ug/l
RT: 2.19 min Scan# 158
Delta R.T. -0.01 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

Tgt Ion: 84 Resp: 13163
Ion Ratio Lower Upper
84 100
49 150.0 120.2 180.4
51 43.1 37.2 55.8
86 56.0 55.1 82.7





#21

trans-1,2-Dichloroethene

Concen: 25.00 ug/l

RT: 2.31 min Scan# 171

Delta R.T. -0.00 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

ClientSampleId :

VF1120SBD01

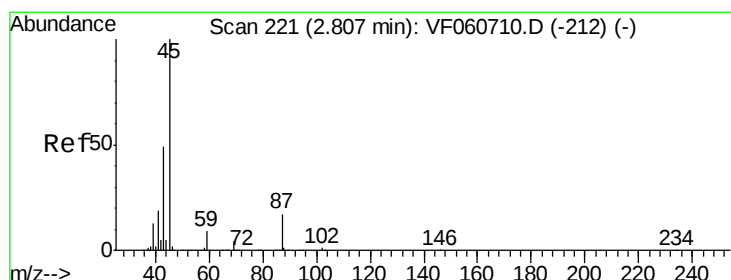
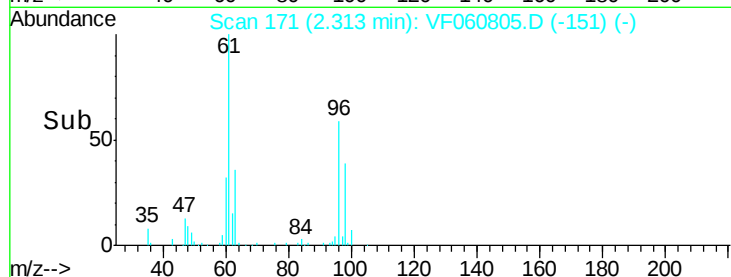
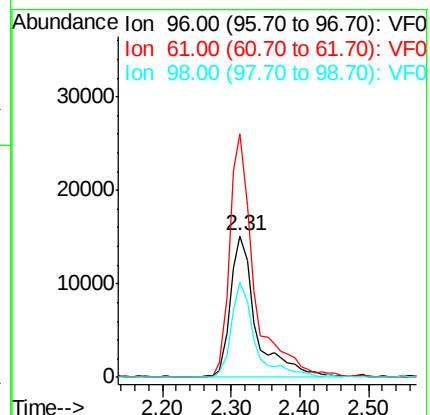
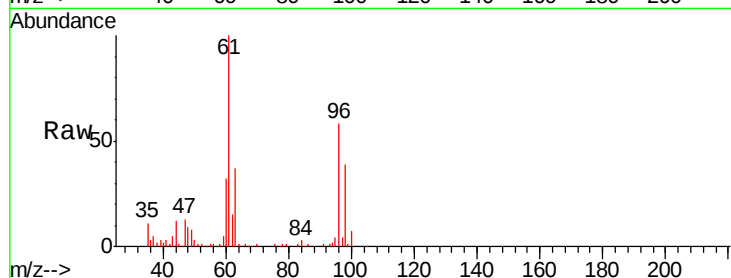
Tgt Ion: 96 Resp: 39742

Ion Ratio Lower Upper

96 100

61 171.9 141.6 212.4

98 67.0 47.4 71.0



#22

Diisopropyl ether

Concen: 23.91 ug/l

RT: 2.81 min Scan# 221

Delta R.T. -0.00 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Tgt Ion: 45 Resp: 123043

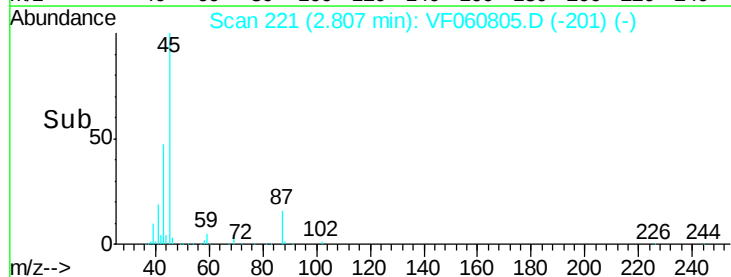
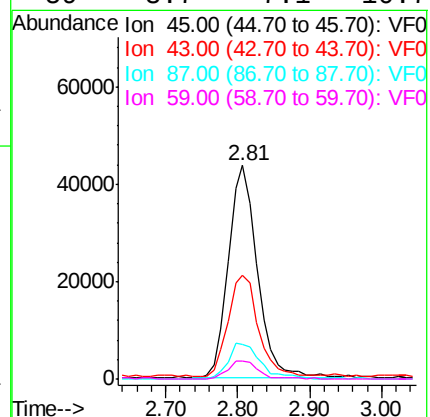
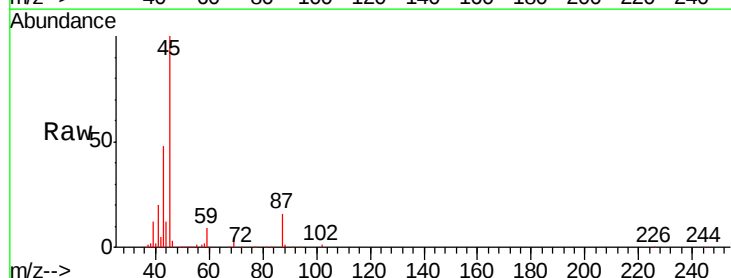
Ion Ratio Lower Upper

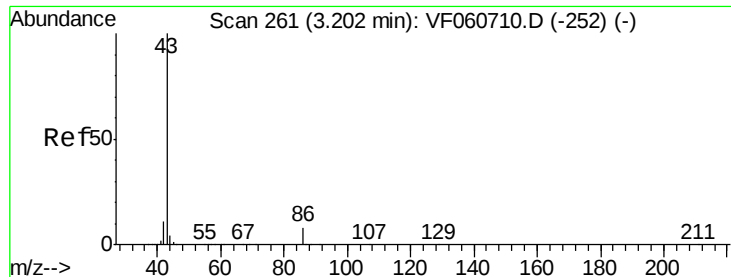
45 100

43 48.4 39.9 59.9

87 16.2 13.9 20.9

59 8.7 7.1 10.7





#23

Vinyl Acetate

Concen: 125.03 ug/l

RT: 3.19 min Scan# 260

Delta R.T. -0.01 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

ClientSampleId :

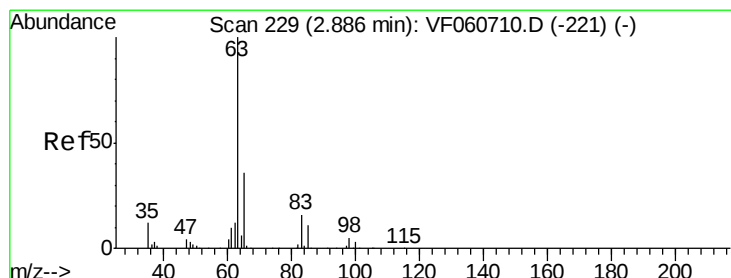
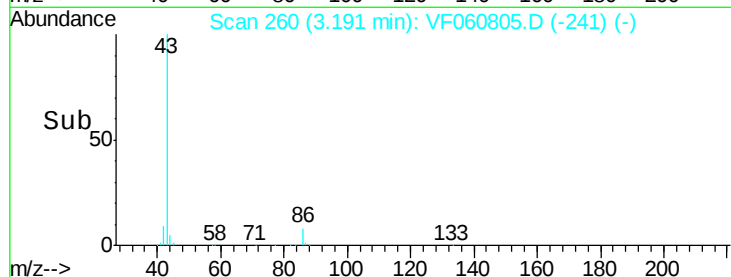
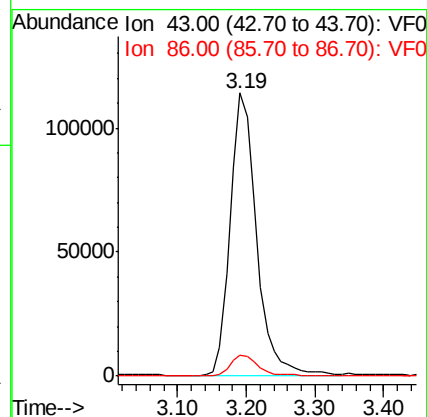
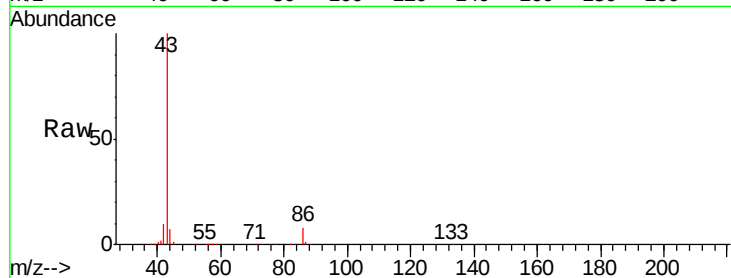
VF1120SBD01

Tgt Ion: 43 Resp: 303040

Ion Ratio Lower Upper

43 100

86 7.5 6.4 9.6



#24

1,1-Dichloroethane

Concen: 22.85 ug/l

RT: 2.88 min Scan# 228

Delta R.T. -0.01 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

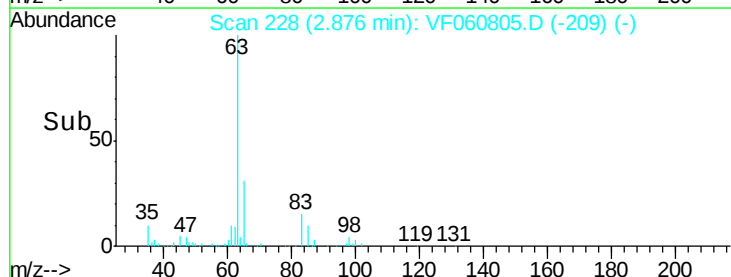
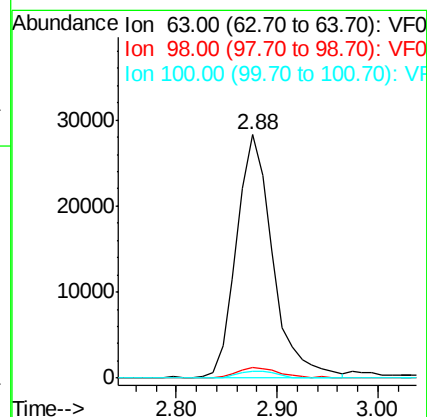
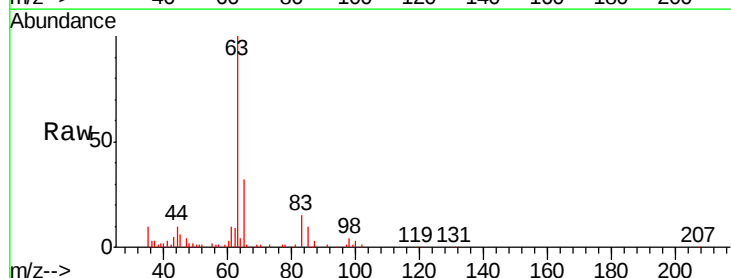
Tgt Ion: 63 Resp: 71209

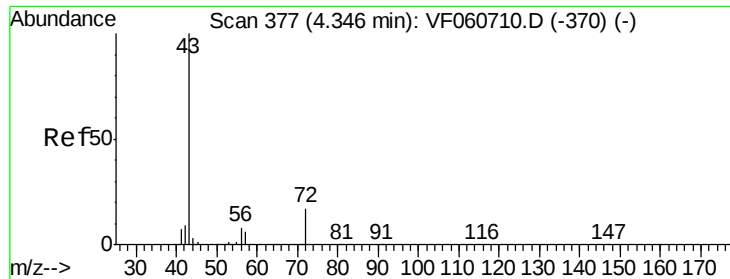
Ion Ratio Lower Upper

63 100

98 4.4 2.4 7.1

100 3.0 1.4 4.2





#25

2-Butanone

Concen: 115.73 ug/l

RT: 4.35 min Scan# 377

Delta R.T. -0.00 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

ClientSampleId :

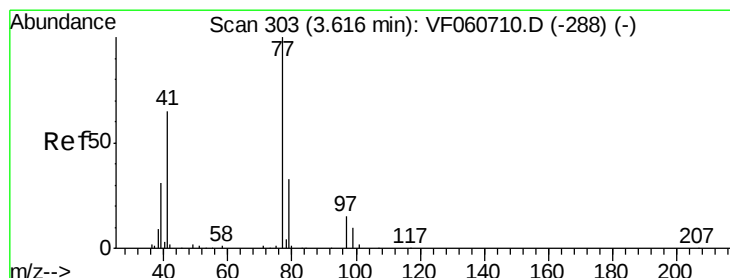
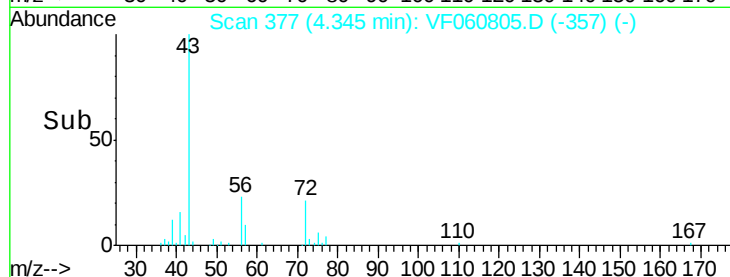
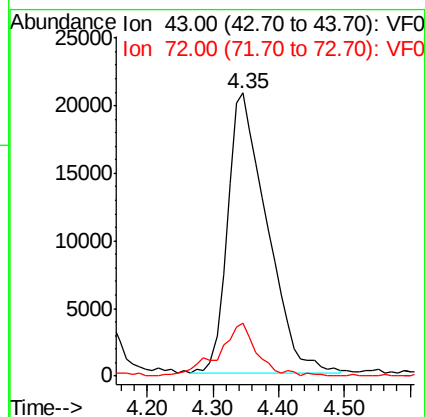
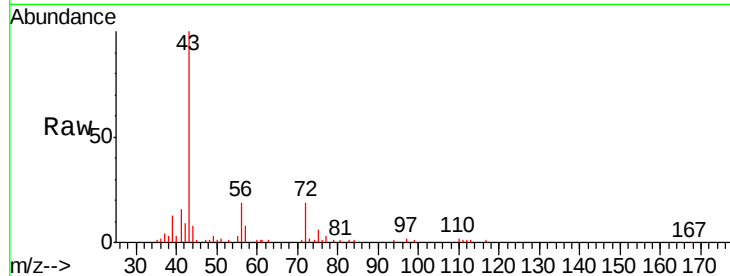
VF1120SBD01

Tgt Ion: 43 Resp: 86567

Ion Ratio Lower Upper

43 100

72 18.6 16.1 24.1



#26

2,2-Dichloropropane

Concen: 19.61 ug/l

RT: 3.61 min Scan# 302

Delta R.T. -0.01 min

Lab File: VF060805.D

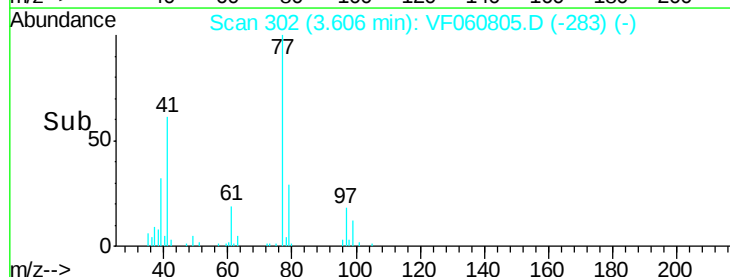
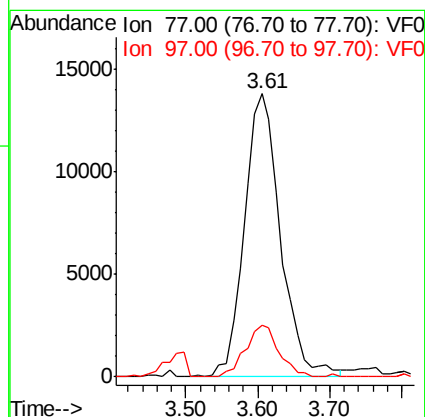
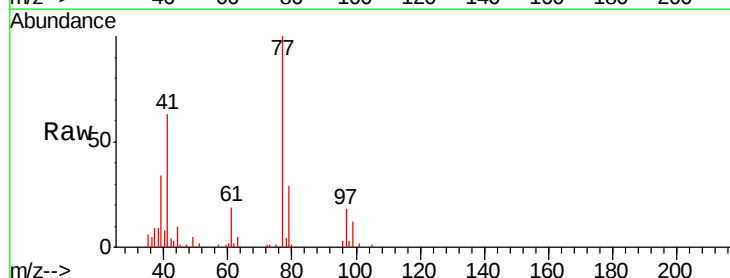
Acq: 20 Nov 2018 15:20

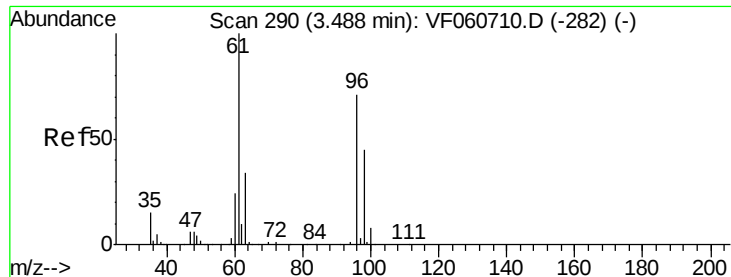
Tgt Ion: 77 Resp: 48081

Ion Ratio Lower Upper

77 100

97 18.2 8.8 26.5





#27

cis-1,2-Dichloroethene

Concen: 22.64 ug/l

RT: 3.49 min Scan# 290

Delta R.T. -0.00 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

ClientSampleId :

VF1120SBD01

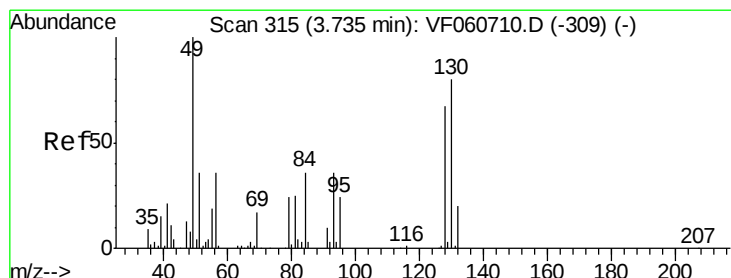
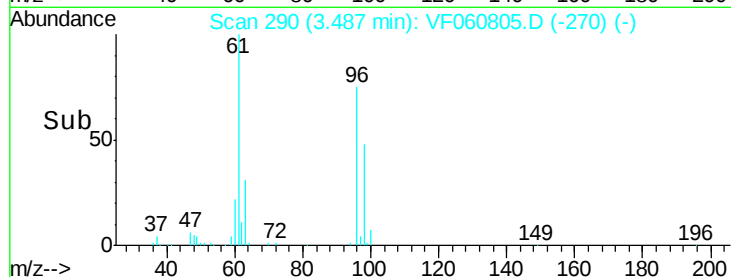
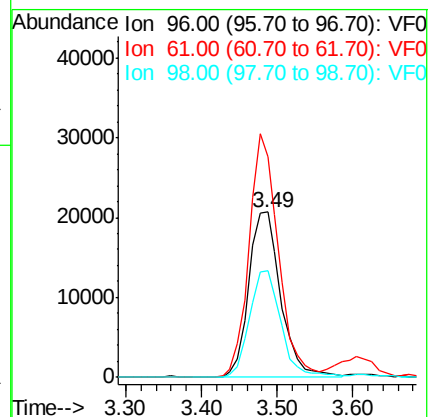
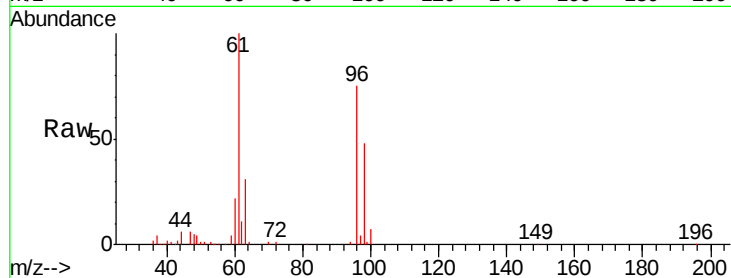
Tgt Ion: 96 Resp: 61228

Ion Ratio Lower Upper

96 100

61 133.1 0.0 280.6

98 64.4 0.0 127.6



#28

Bromochloromethane

Concen: 22.45 ug/l

RT: 3.72 min Scan# 314

Delta R.T. -0.01 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

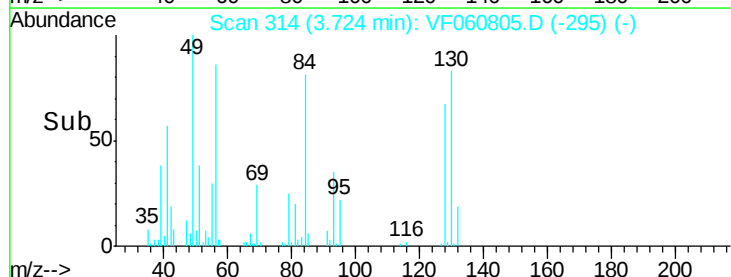
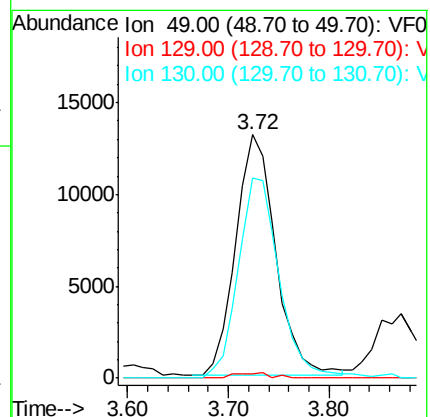
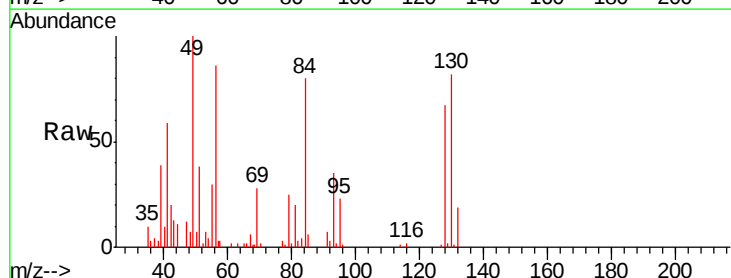
Tgt Ion: 49 Resp: 36357

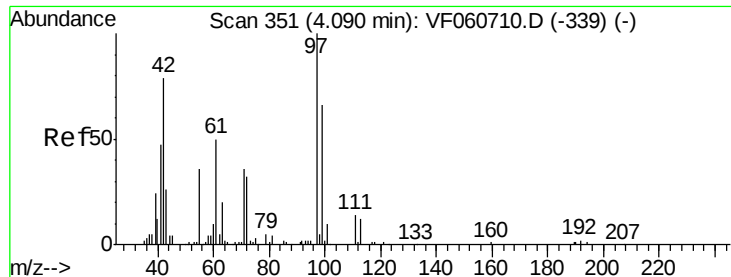
Ion Ratio Lower Upper

49 100

129 1.5 0.0 5.2

130 82.1 63.9 95.9





#29

Tetrahydrofuran

Concen: 122.03 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.01 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

ClientSampleId :

VF1120SBD01

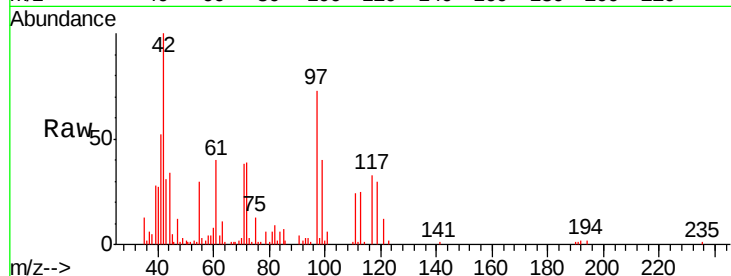
Tgt Ion: 42 Resp: 37651

Ion Ratio Lower Upper

42 100

72 36.8 30.3 45.5

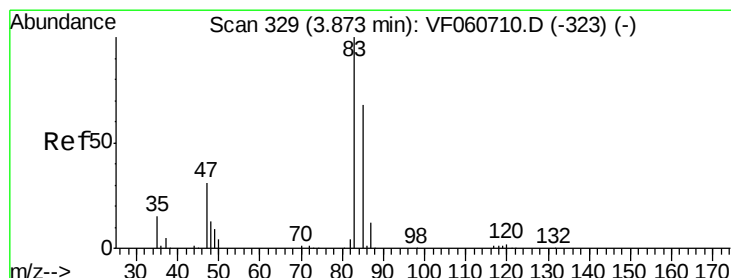
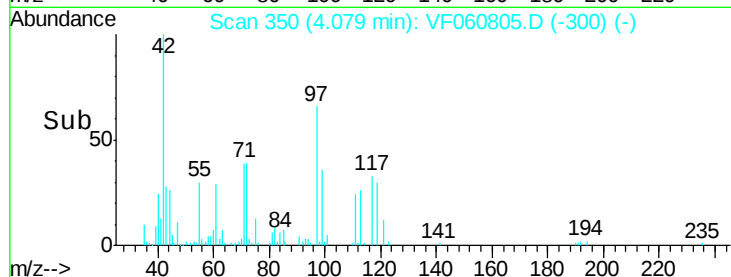
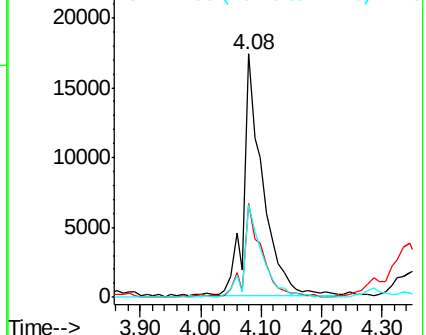
71 36.6 32.2 48.2



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: 22.24 ug/l

RT: 3.86 min Scan# 328

Delta R.T. -0.01 min

Lab File: VF060805.D

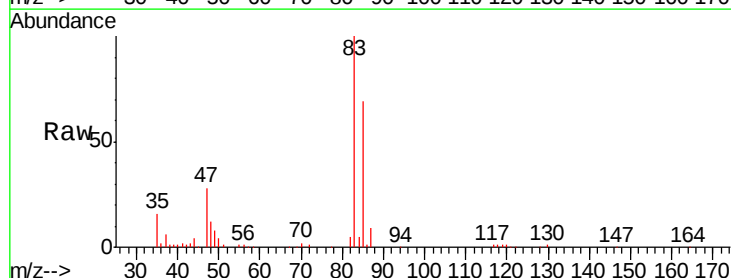
Acq: 20 Nov 2018 15:20

Tgt Ion: 83 Resp: 111196

Ion Ratio Lower Upper

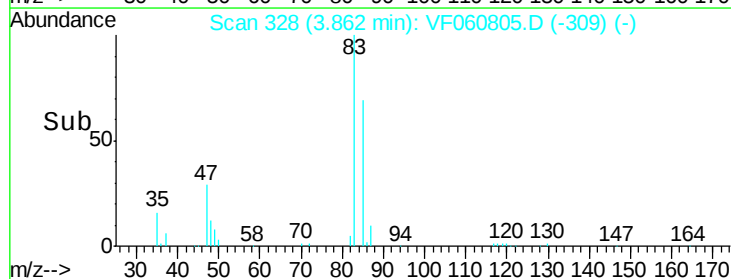
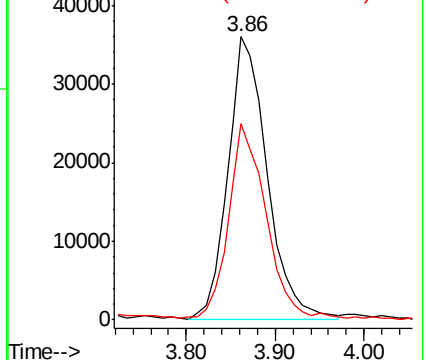
83 100

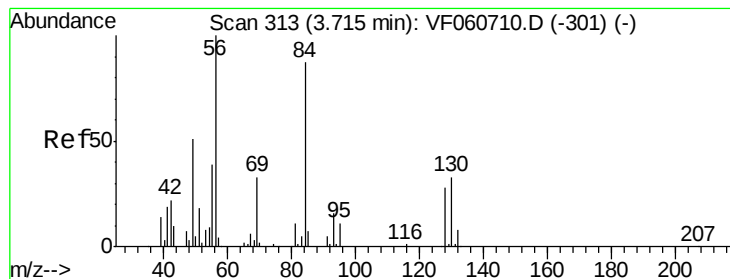
85 69.1 54.6 82.0



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 23.08 ug/l

RT: 3.69 min Scan# 311

Delta R.T. -0.02 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

ClientSampleId :

VF1120SBD01

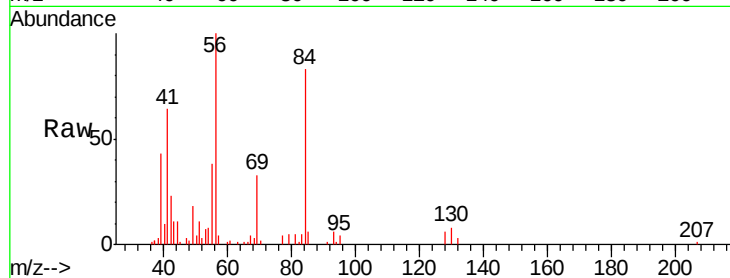
Tgt Ion: 56 Resp: 87300

Ion Ratio Lower Upper

56 100

69 32.9 26.0 39.0

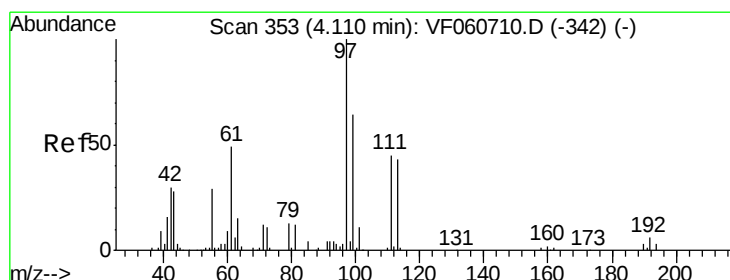
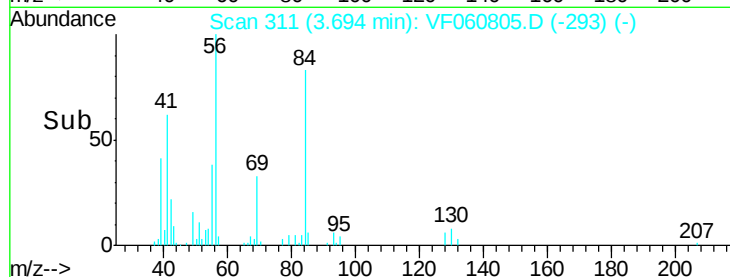
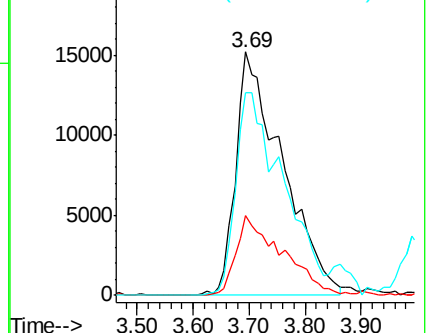
84 83.2 69.4 104.2



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: 20.56 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.00 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

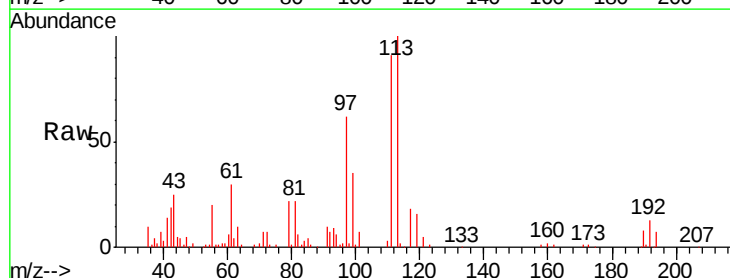
Tgt Ion: 97 Resp: 80956

Ion Ratio Lower Upper

97 100

99 56.4 51.1 76.7

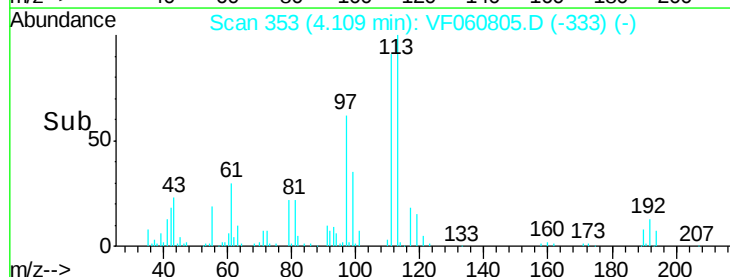
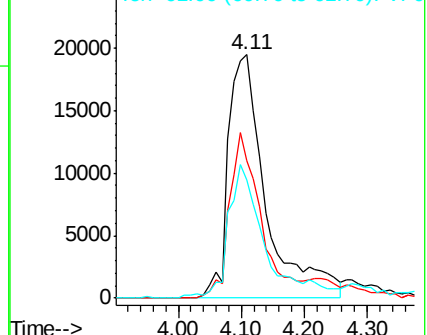
61 48.6 40.1 60.1

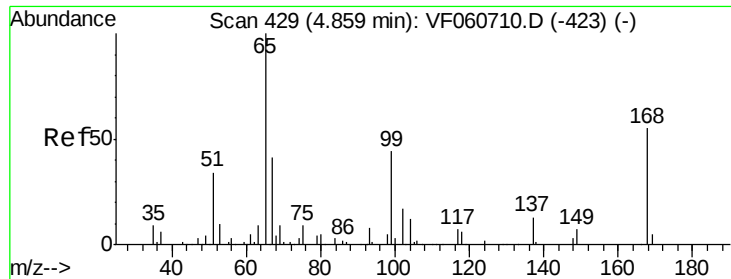


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 46.99 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.01 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

ClientSampleId :

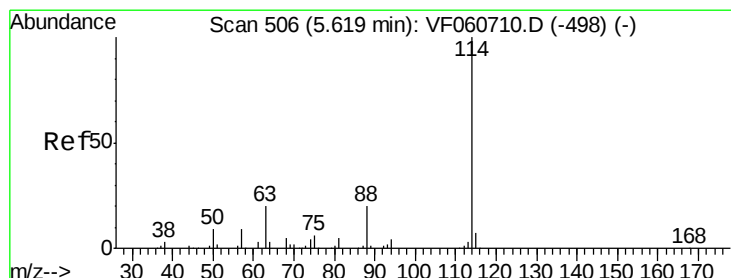
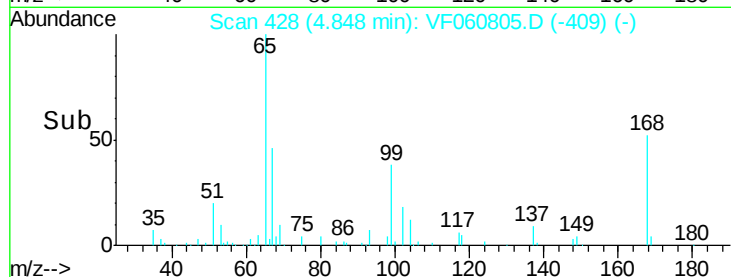
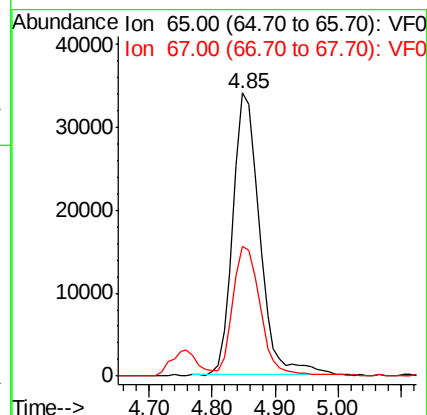
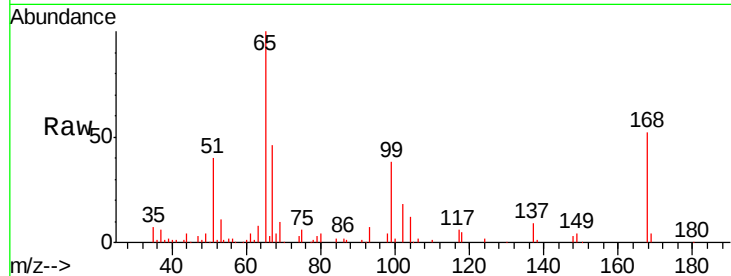
VF1120SBD01

Tgt Ion: 65 Resp: 99979

Ion Ratio Lower Upper

65 100

67 45.8 0.0 90.2



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.61 min Scan# 505

Delta R.T. -0.01 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

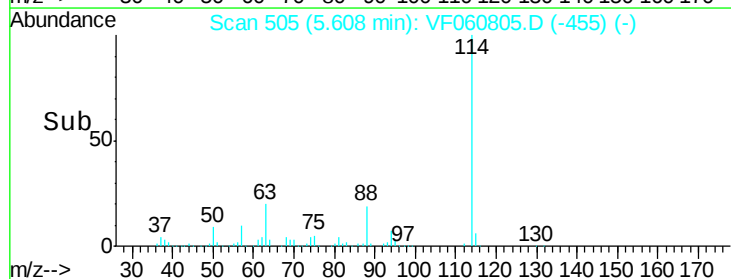
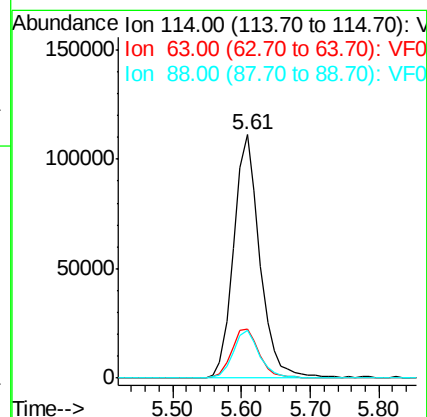
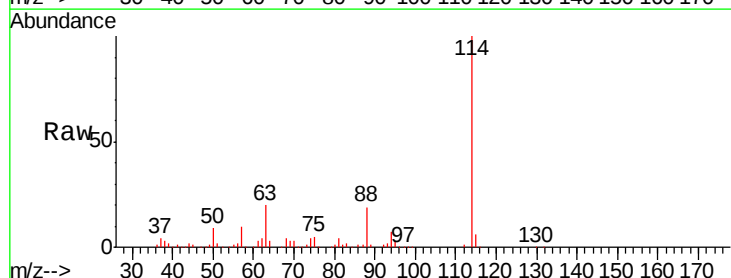
Tgt Ion: 114 Resp: 293009

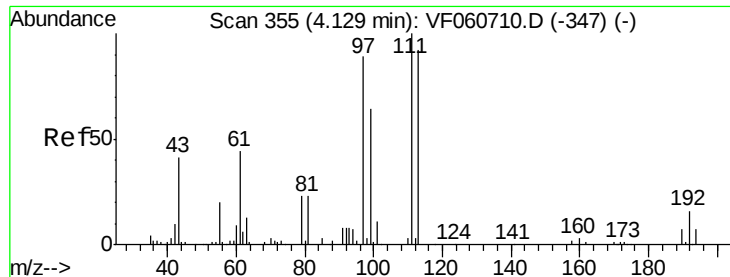
Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

88 19.4 0.0 39.6

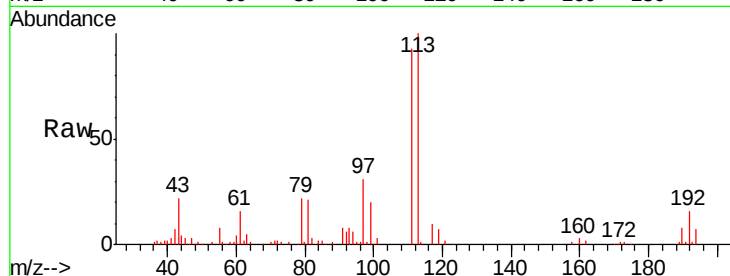




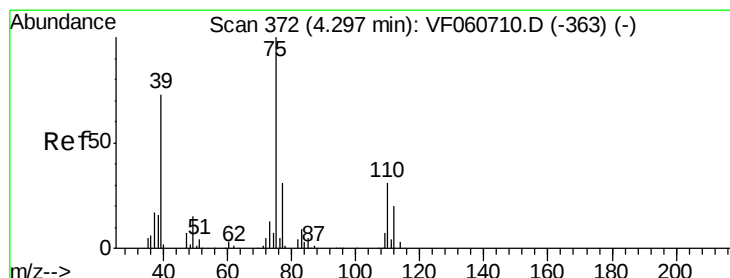
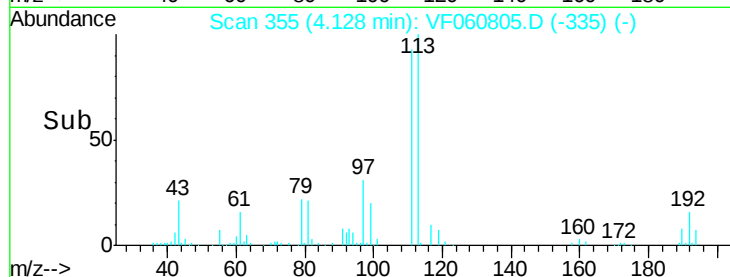
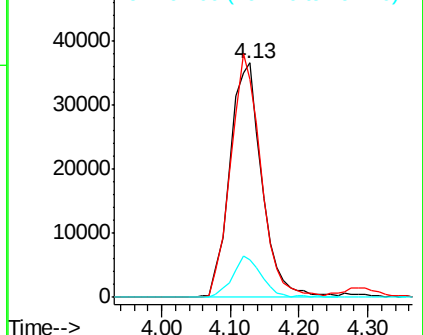
#35
 Dibromofluoromethane
 Concen: 53.90 ug/l
 RT: 4.13 min Scan# 355
 Delta R.T. -0.00 min
 Lab File: VF060805.D
 Acq: 20 Nov 2018 15:20

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1120SBD01

Tgt Ion:113 Resp: 118725
 Ion Ratio Lower Upper
 113 100
 111 92.8 87.1 130.7
 192 15.8 13.8 20.6

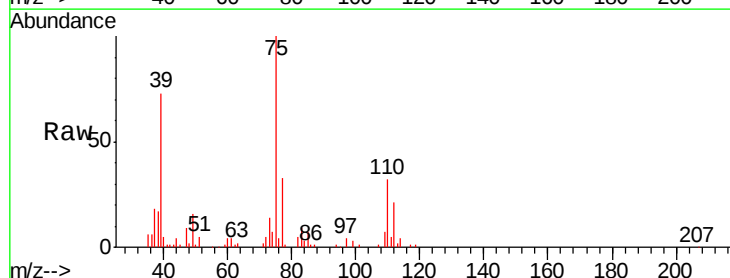


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

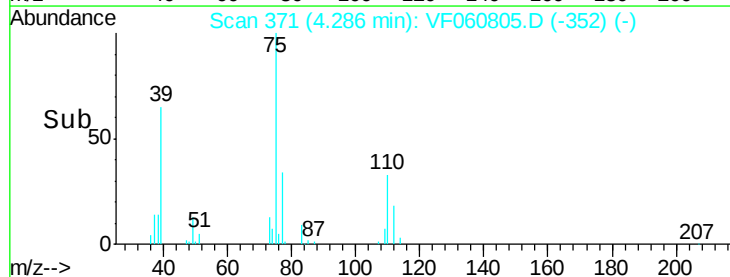
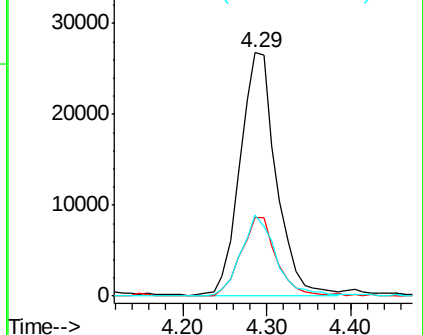


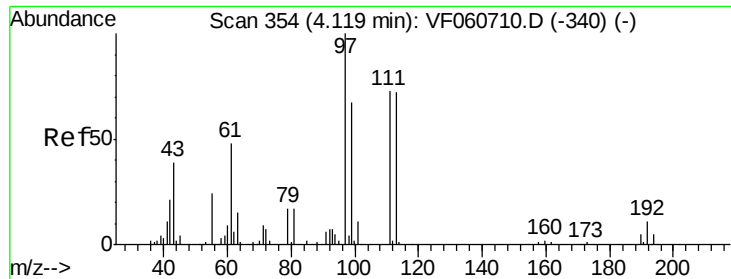
#36
 1,1-Dichloropropene
 Concen: 23.60 ug/l
 RT: 4.29 min Scan# 371
 Delta R.T. -0.01 min
 Lab File: VF060805.D
 Acq: 20 Nov 2018 15:20

Tgt Ion: 75 Resp: 80182
 Ion Ratio Lower Upper
 75 100
 110 32.1 15.6 46.8
 77 33.3 25.0 37.6



Abundance Ion 75.00 (74.70 to 75.70): VF0
 Ion 110.00 (109.70 to 110.70): V
 Ion 77.00 (76.70 to 77.70): VF0

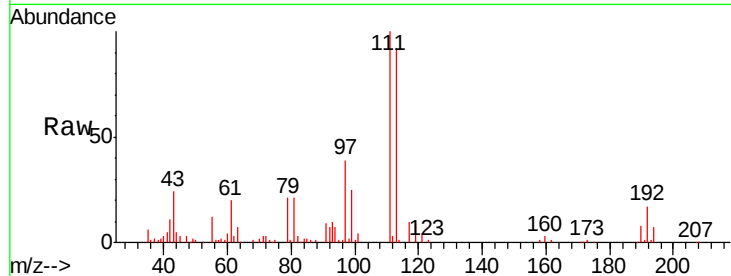




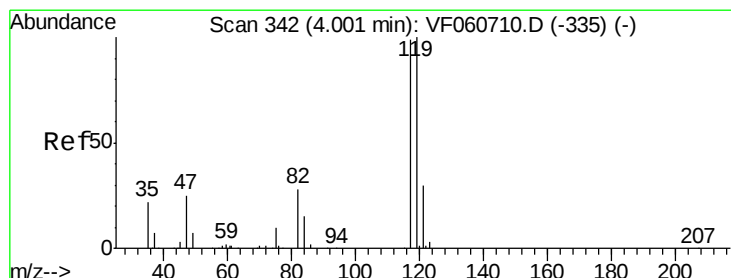
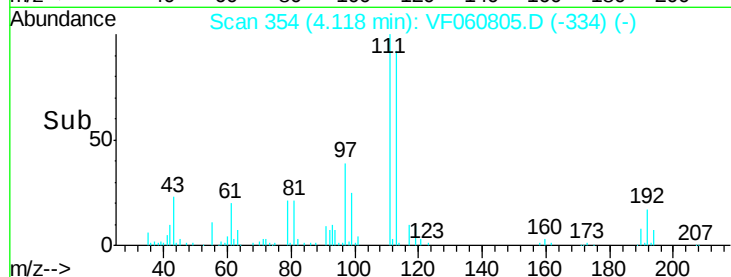
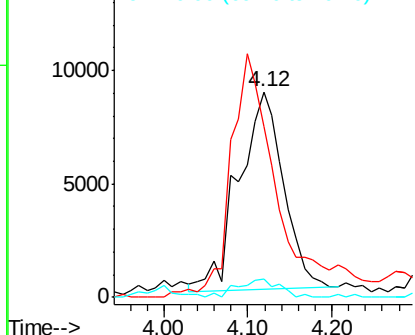
#37
 Ethyl Acetate
 Concen: 25.82 ug/l
 RT: 4.12 min Scan# 354
 Delta R.T. -0.00 min
 Lab File: VF060805.D
 Acq: 20 Nov 2018 15:20

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1120SBD01

Tgt Ion: 43 Resp: 32615
 Ion Ratio Lower Upper
 43 100
 61 83.1 98.5 147.7#
 70 8.9 7.4 11.0

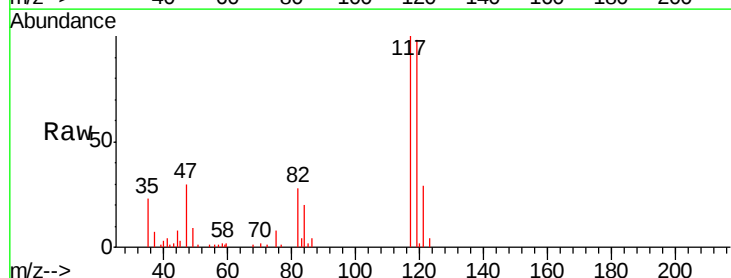


Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 70.00 (69.70 to 70.70): VF0

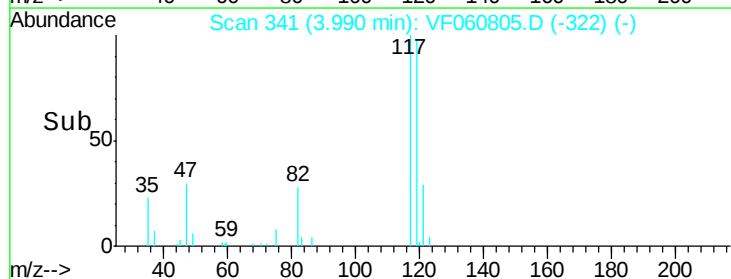
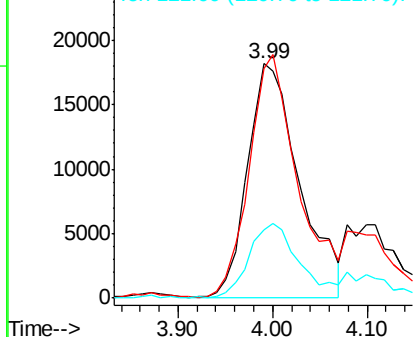


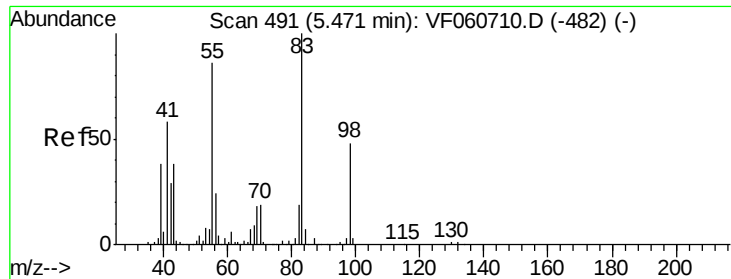
#38
 Carbon Tetrachloride
 Concen: 21.07 ug/l
 RT: 3.99 min Scan# 341
 Delta R.T. -0.01 min
 Lab File: VF060805.D
 Acq: 20 Nov 2018 15:20

Tgt Ion: 117 Resp: 69459
 Ion Ratio Lower Upper
 117 100
 119 98.1 80.7 121.1
 121 29.0 24.3 36.5



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V
 Ion 121.00 (120.70 to 121.70): V

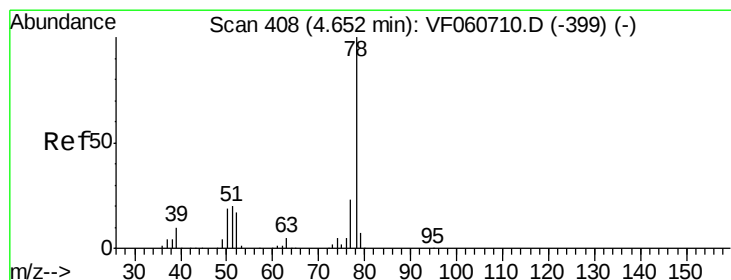
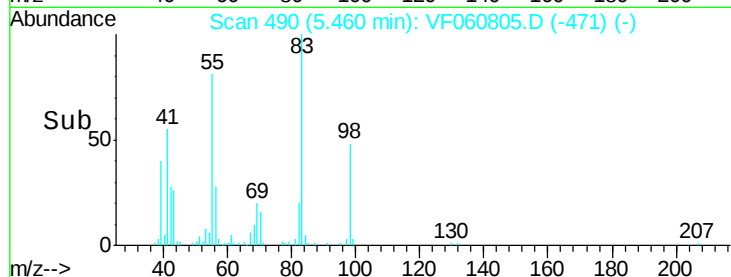
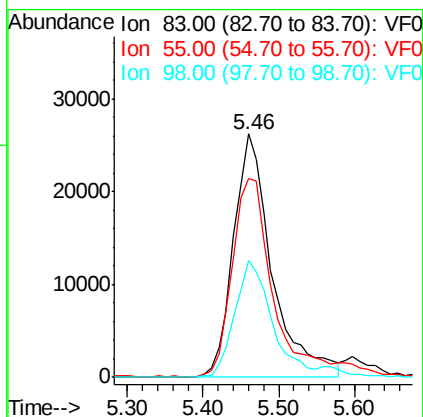
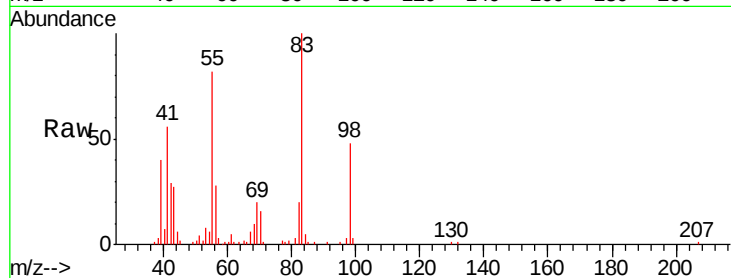




#39
Methylcyclohexane
Concen: 23.59 ug/l
RT: 5.46 min Scan# 490
Delta R.T. -0.01 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

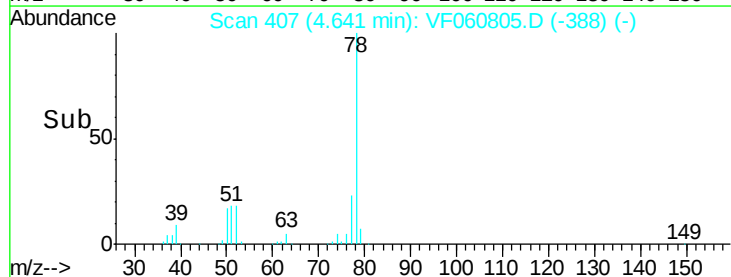
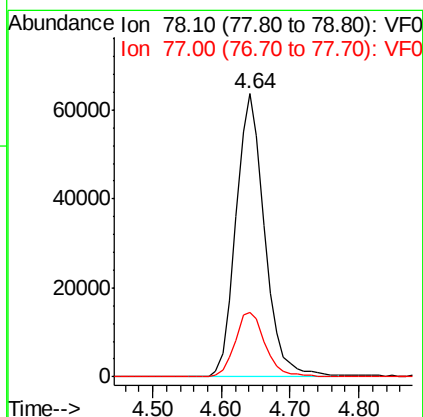
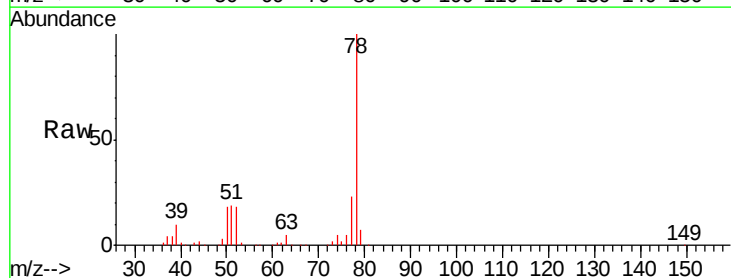
Instrument :
MSVOA_F
ClientSampleId :
VF1120SBD01

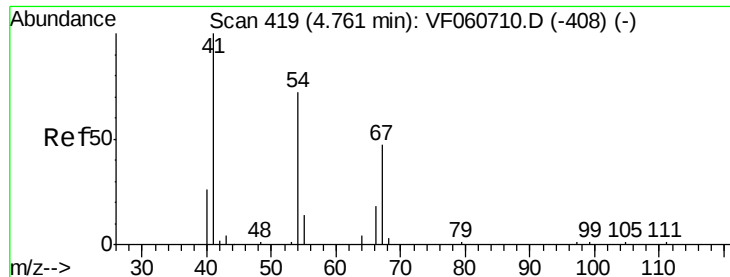
Tgt Ion: 83 Resp: 93020
Ion Ratio Lower Upper
83 100
55 81.6 69.0 103.4
98 47.8 38.5 57.7



#40
Benzene
Concen: 24.25 ug/l
RT: 4.64 min Scan# 407
Delta R.T. -0.01 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

Tgt Ion: 78 Resp: 183694
Ion Ratio Lower Upper
78 100
77 23.0 18.6 28.0





#41

Methacrylonitrile

Concen: 24.15 ug/l

RT: 4.75 min Scan# 418

Delta R.T. -0.01 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

ClientSampleId :

VF1120SBD01

Tgt Ion: 41 Resp: 17775

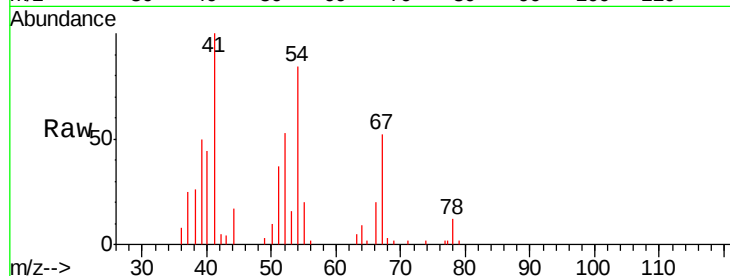
Ion Ratio Lower Upper

41 100

39 49.9 47.1 70.7

67 51.6 37.1 55.7

52 52.7 39.3 58.9

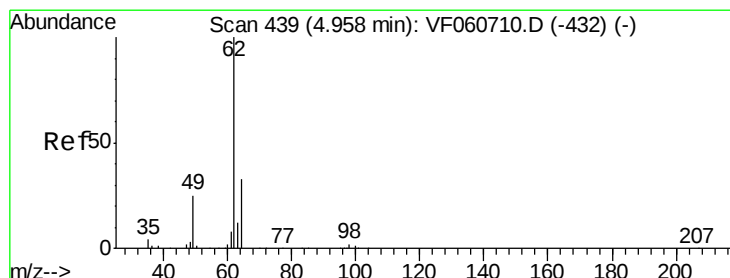
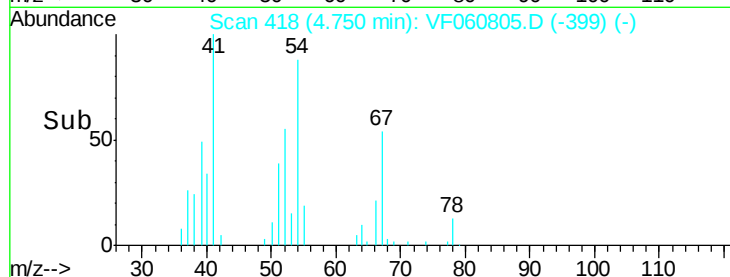
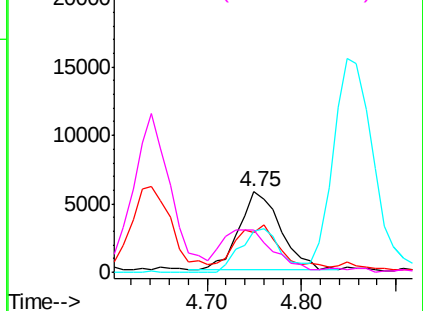


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 21.96 ug/l

RT: 4.95 min Scan# 438

Delta R.T. -0.01 min

Lab File: VF060805.D

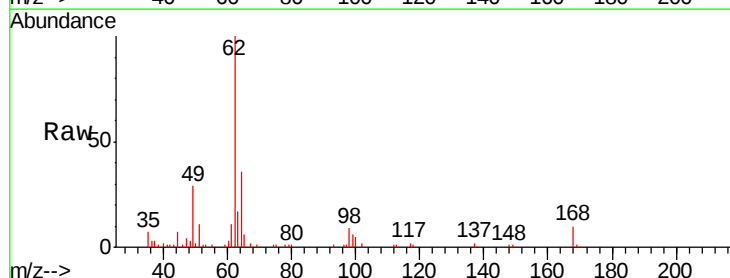
Acq: 20 Nov 2018 15:20

Tgt Ion: 62 Resp: 57496

Ion Ratio Lower Upper

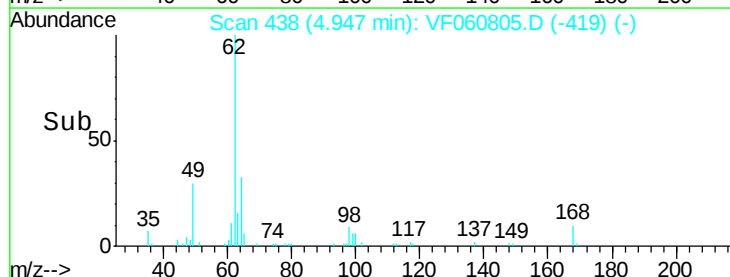
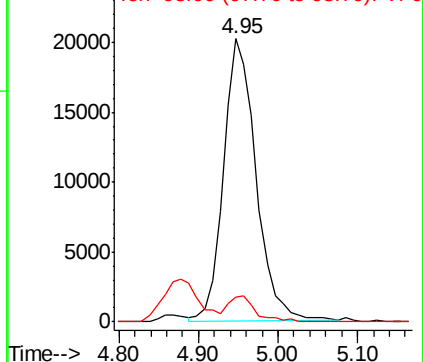
62 100

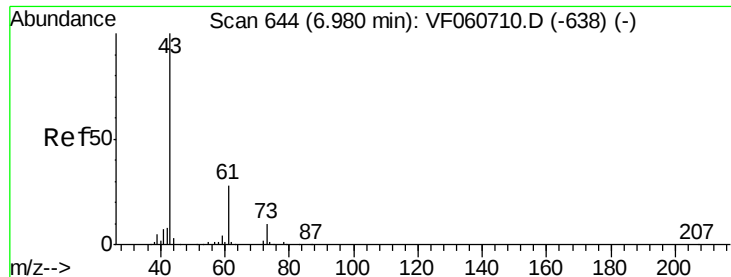
98 8.9 0.0 16.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 23.68 ug/l

RT: 6.97 min Scan# 643

Delta R.T. -0.01 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

ClientSampleId :

VF1120SBD01

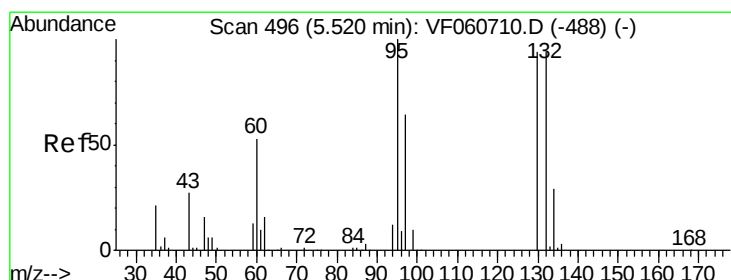
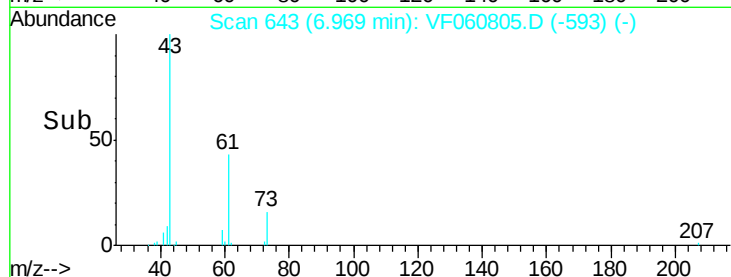
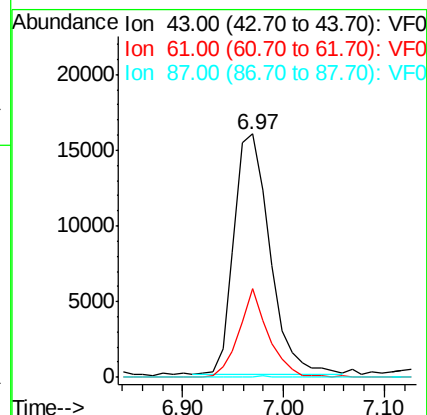
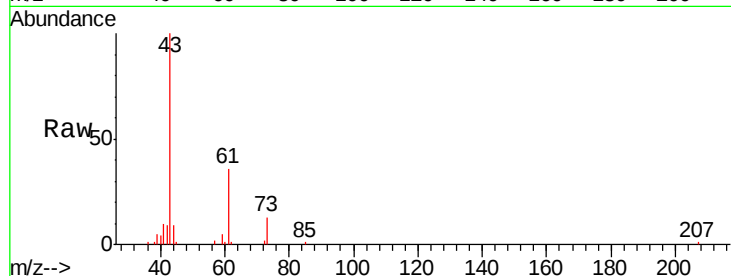
Tgt Ion: 43 Resp: 39667

Ion Ratio Lower Upper

43 100

61 36.3 22.2 33.4#

87 0.0 0.4 0.6#



#44

Trichloroethene

Concen: 23.75 ug/l

RT: 5.51 min Scan# 495

Delta R.T. -0.01 min

Lab File: VF060805.D

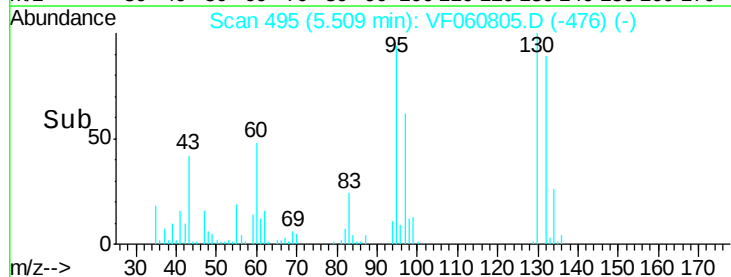
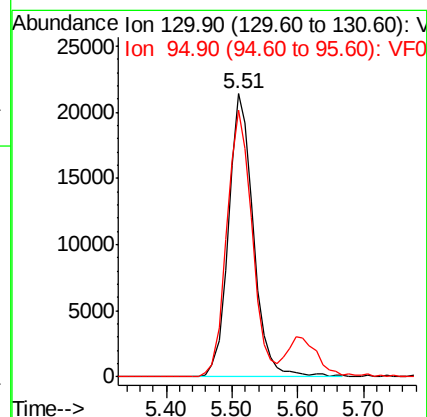
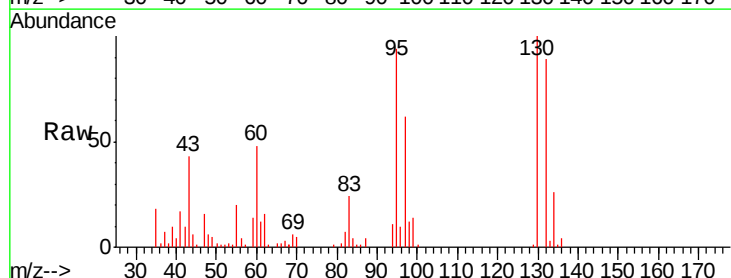
Acq: 20 Nov 2018 15:20

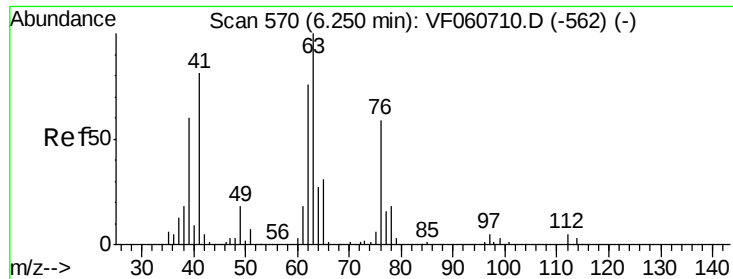
Tgt Ion: 130 Resp: 56767

Ion Ratio Lower Upper

130 100

95 94.0 0.0 212.6





#45

1,2-Dichloropropane

Concen: 24.08 ug/l

RT: 6.25 min Scan# 570

Delta R.T. -0.00 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

ClientSampleId :

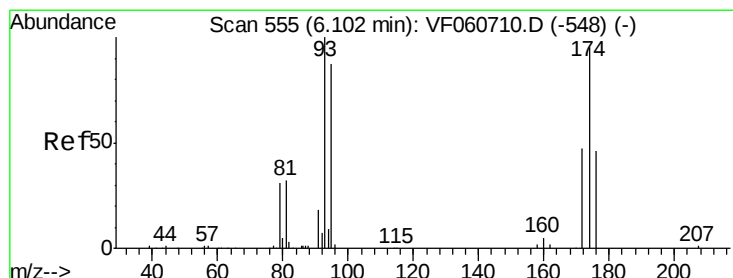
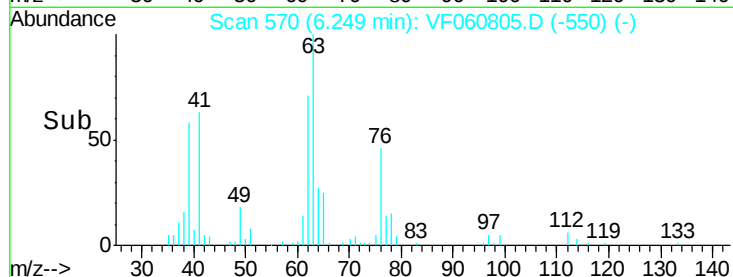
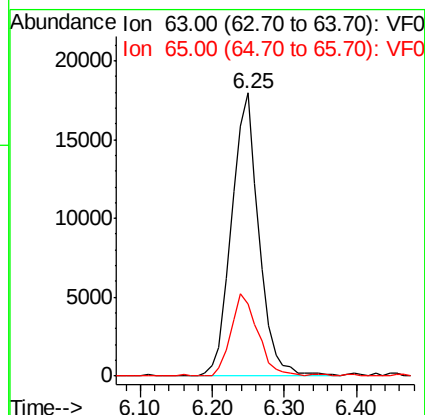
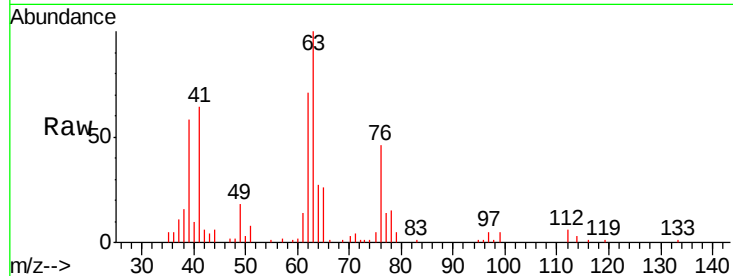
VF1120SBD01

Tgt Ion: 63 Resp: 47469

Ion Ratio Lower Upper

63 100

65 25.6 24.6 36.8



#46

Dibromomethane

Concen: 24.04 ug/l

RT: 6.10 min Scan# 555

Delta R.T. -0.00 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

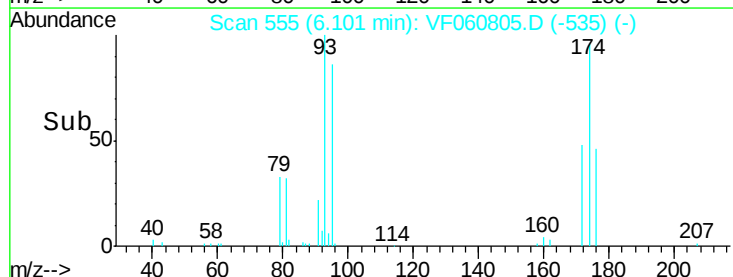
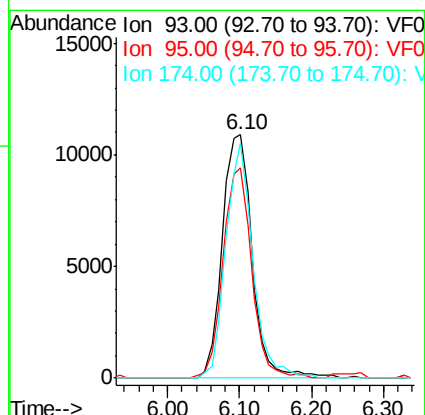
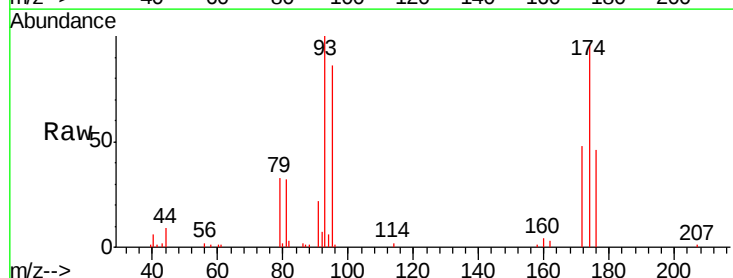
Tgt Ion: 93 Resp: 31286

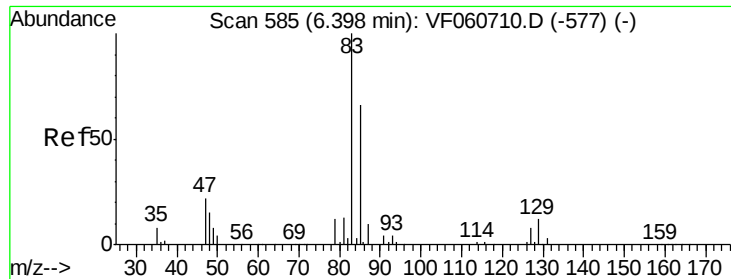
Ion Ratio Lower Upper

93 100

95 86.4 69.5 104.3

174 96.3 76.2 114.2





#47

Bromodichloromethane

Concen: 23.79 ug/l

RT: 6.40 min Scan# 585

Delta R.T. -0.00 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

ClientSampleId :

VF1120SBD01

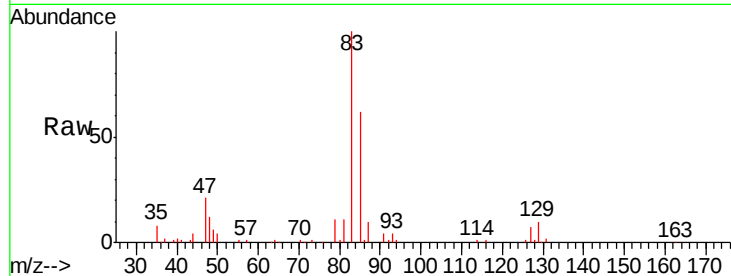
Tgt Ion: 83 Resp: 79053

Ion Ratio Lower Upper

83 100

85 62.2 52.4 78.6

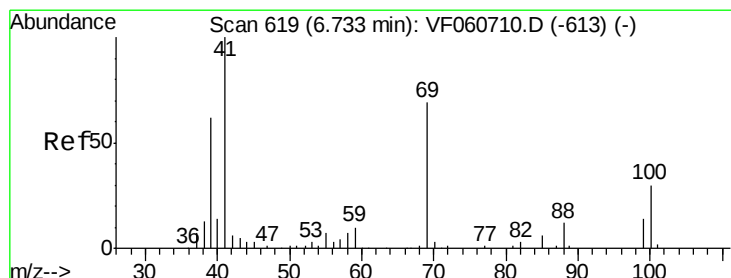
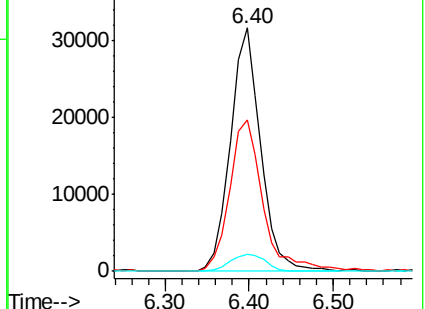
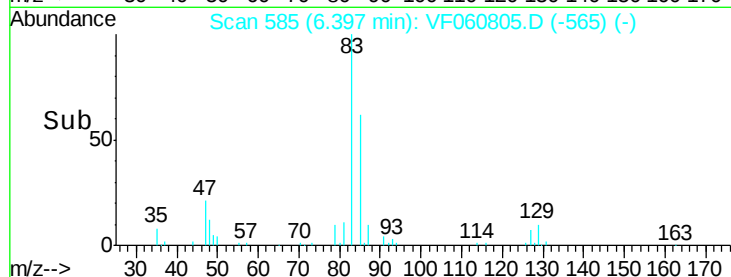
127 7.2 6.8 10.2



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): VF0



#48

Methyl methacrylate

Concen: 24.51 ug/l

RT: 6.72 min Scan# 618

Delta R.T. -0.01 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

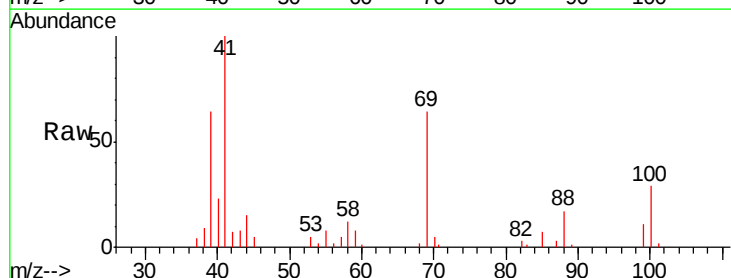
Tgt Ion: 41 Resp: 27167

Ion Ratio Lower Upper

41 100

69 63.6 54.9 82.3

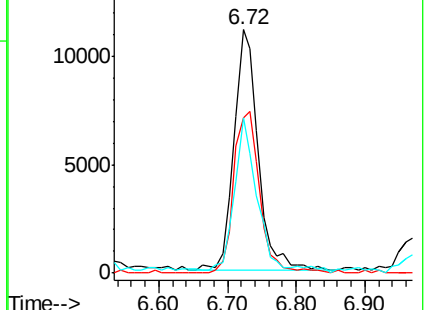
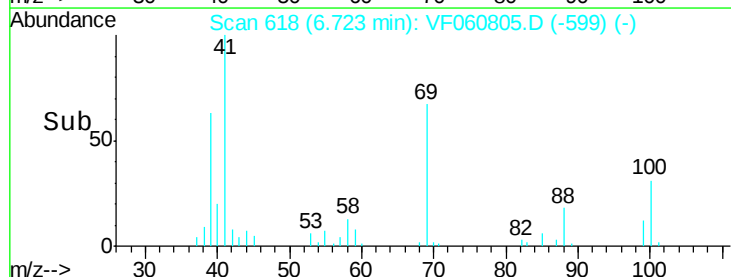
39 64.0 49.6 74.4

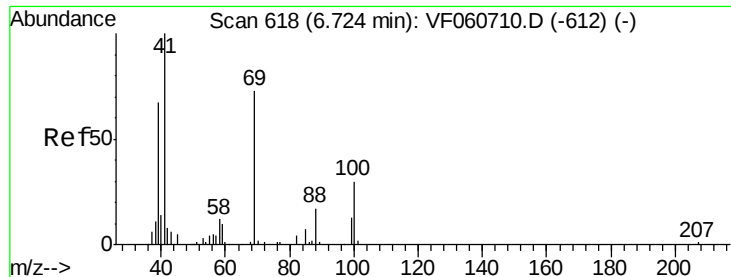


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

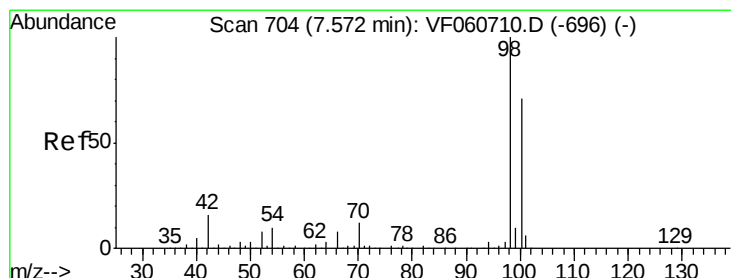
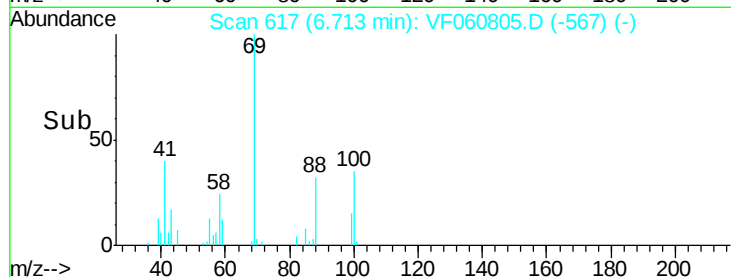
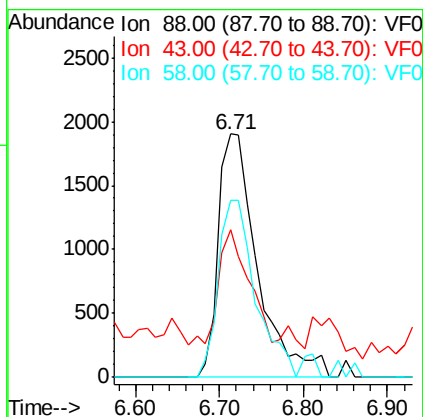
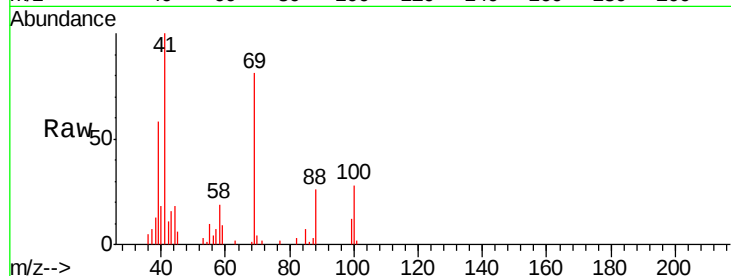




#49
1,4-Dioxane
Concen: 595.68 ug/l
RT: 6.71 min Scan# 617
Delta R.T. -0.01 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

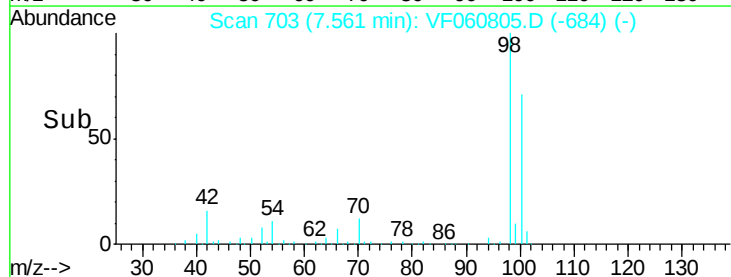
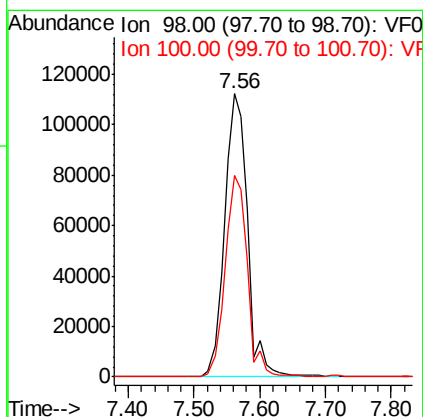
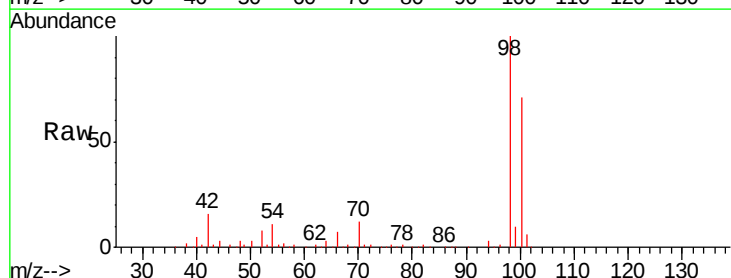
Instrument :
MSVOA_F
ClientSampleId :
VF1120SBD01

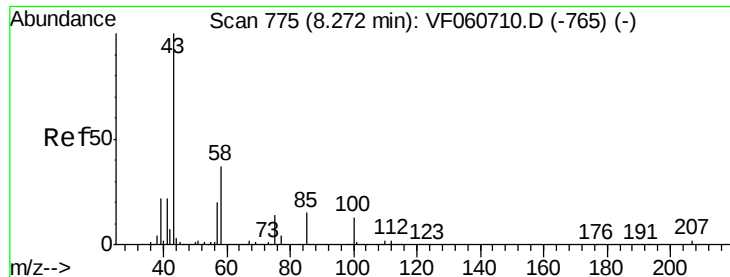
Tgt Ion: 88 Resp: 6176
Ion Ratio Lower Upper
88 100
43 60.6 44.6 66.8
58 72.6 54.5 81.7



#50
Toluene-d8
Concen: 48.11 ug/l
RT: 7.56 min Scan# 703
Delta R.T. -0.01 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

Tgt Ion: 98 Resp: 272677
Ion Ratio Lower Upper
98 100
100 71.4 56.5 84.7





#51

4-Methyl-2-Pentanone

Concen: 128.90 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

ClientSampleId :

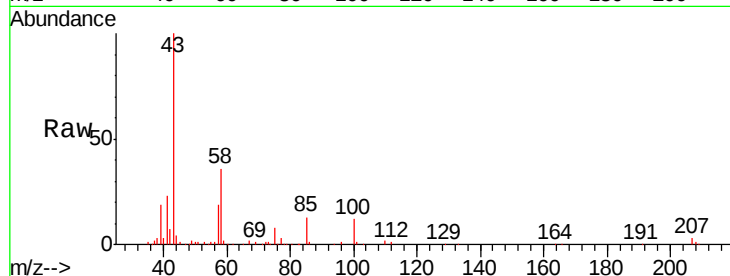
VF1120SBD01

Tgt Ion: 43 Resp: 156168

Ion Ratio Lower Upper

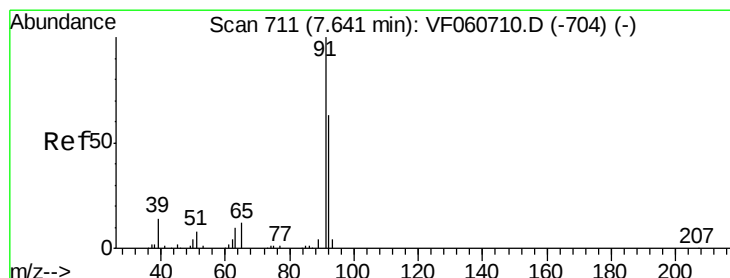
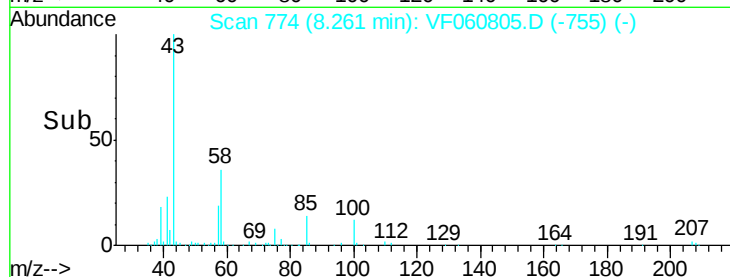
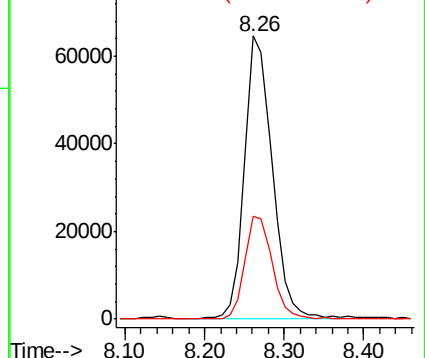
43 100

58 36.2 29.2 43.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 22.89 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.01 min

Lab File: VF060805.D

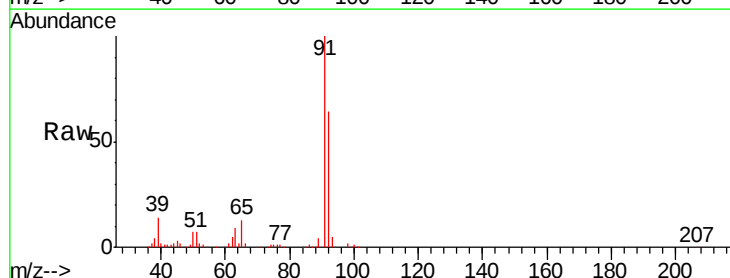
Acq: 20 Nov 2018 15:20

Tgt Ion: 92 Resp: 116178

Ion Ratio Lower Upper

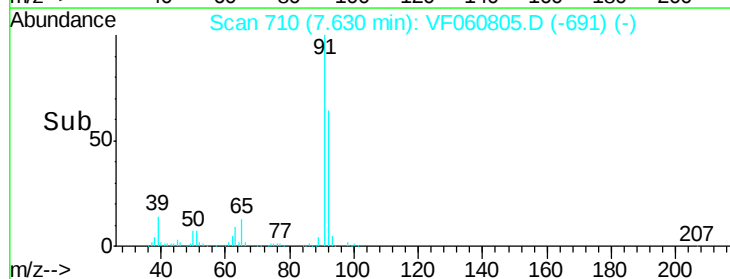
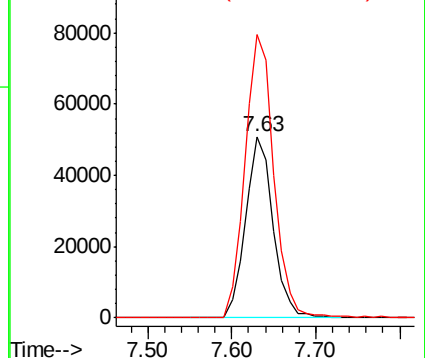
92 100

91 156.3 126.7 190.1



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: 22.07 ug/l

RT: 8.29 min Scan# 777

Delta R.T. -0.00 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

ClientSampleId :

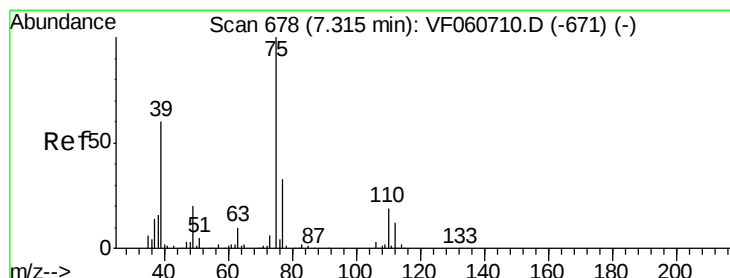
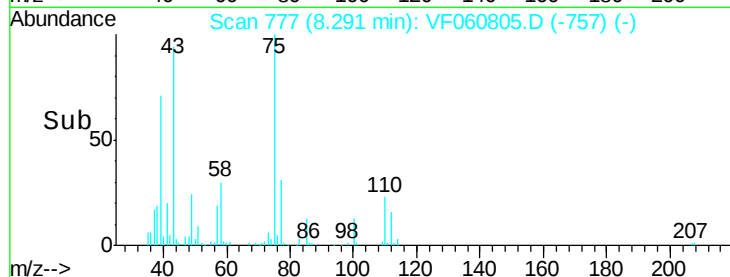
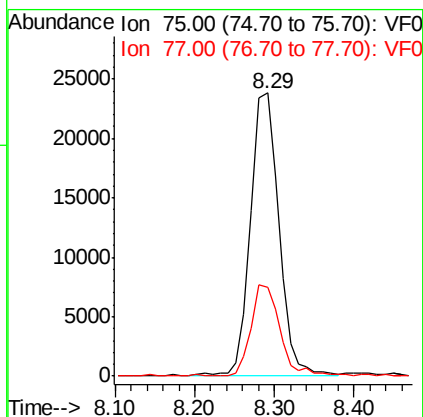
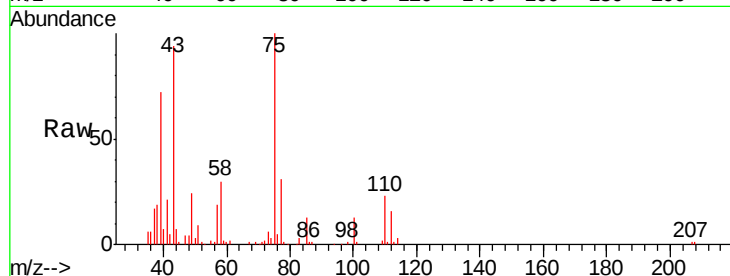
VF1120SBD01

Tgt Ion: 75 Resp: 58727

Ion Ratio Lower Upper

75 100

77 31.3 24.6 36.8



#54

cis-1,3-Dichloropropene

Concen: 22.92 ug/l

RT: 7.31 min Scan# 678

Delta R.T. -0.00 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

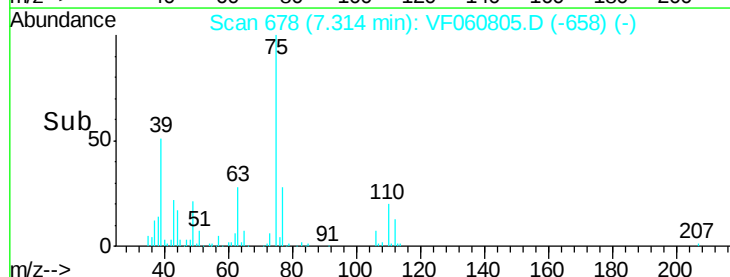
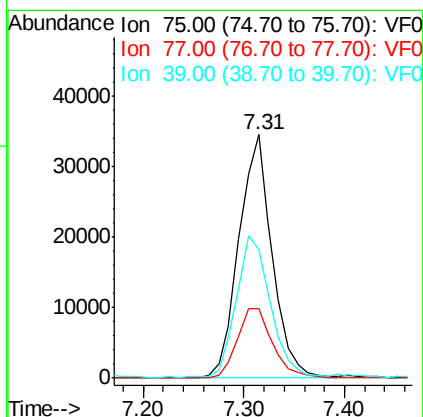
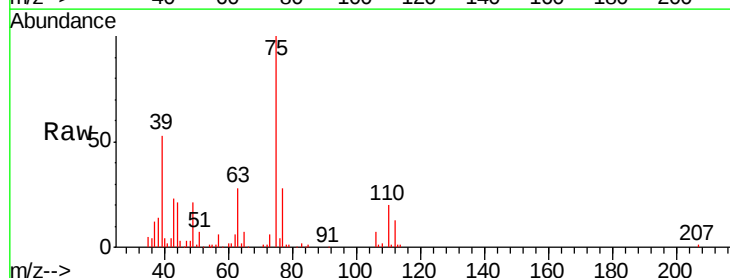
Tgt Ion: 75 Resp: 79236

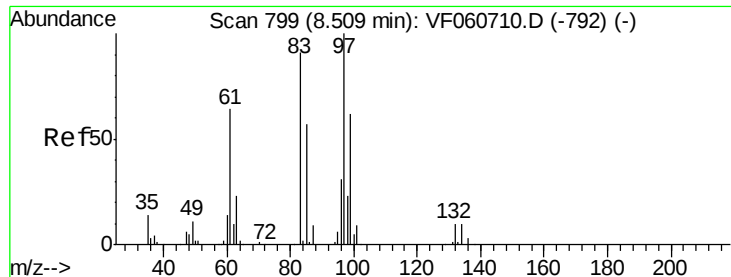
Ion Ratio Lower Upper

75 100

77 28.5 26.5 39.7

39 52.8 48.5 72.7

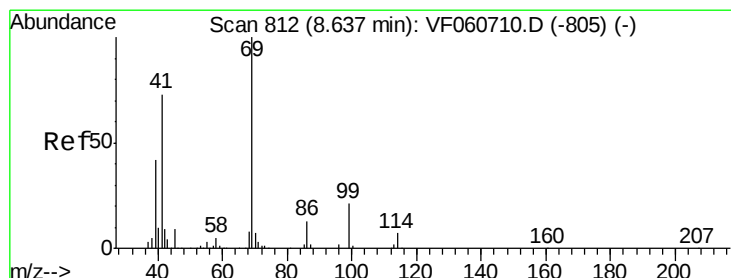
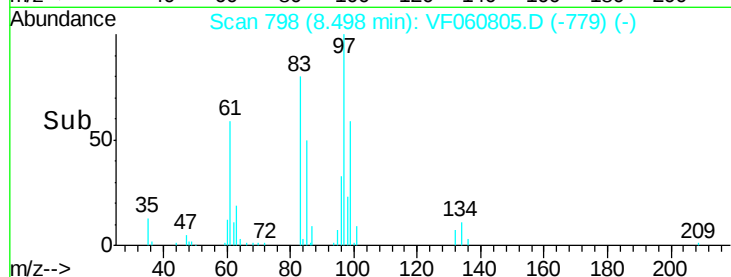
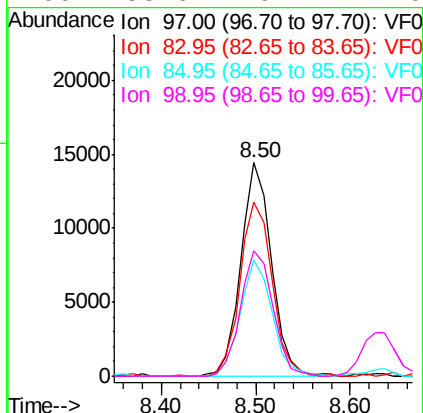
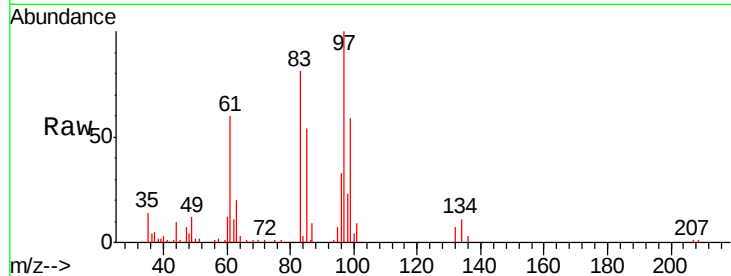




#55
 1,1,2-Trichloroethane
 Concen: 22.43 ug/l
 RT: 8.50 min Scan# 798
 Delta R.T. -0.01 min
 Lab File: VF060805.D
 Acq: 20 Nov 2018 15:20

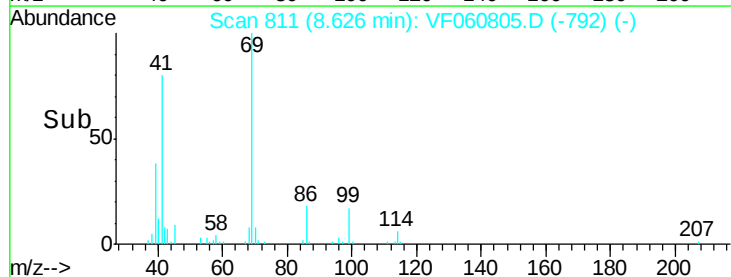
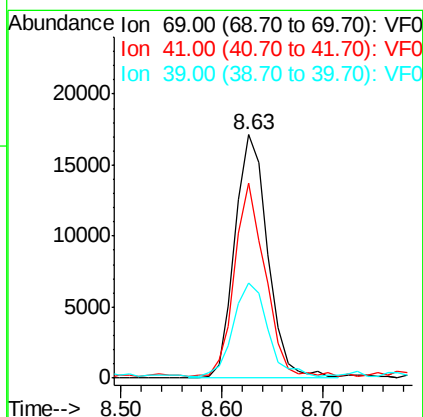
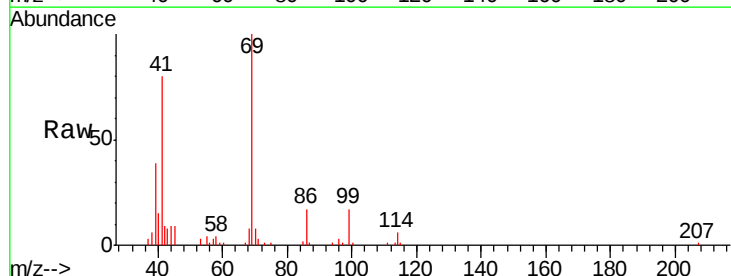
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1120SBD01

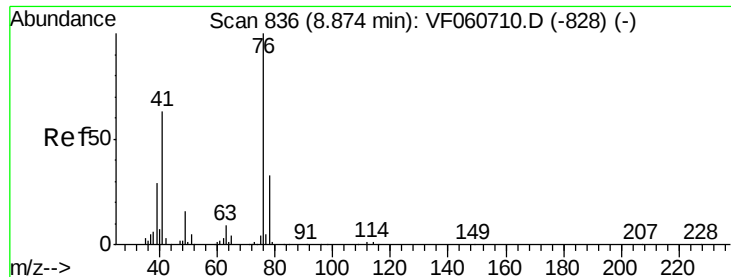
Tgt Ion:	97	Resp:	32531
Ion	Ratio	Lower	Upper
97	100		
83	81.5	72.8	109.2
85	54.3	45.8	68.6
99	58.6	49.4	74.0



#56
 Ethyl methacrylate
 Concen: 23.64 ug/l
 RT: 8.63 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: VF060805.D
 Acq: 20 Nov 2018 15:20

Tgt Ion:	69	Resp:	38934
Ion	Ratio	Lower	Upper
69	100		
41	80.3	59.0	88.6
39	39.1	34.0	51.0





#57

1,3-Dichloropropane

Concen: 23.36 ug/l

RT: 8.86 min Scan# 835

Delta R.T. -0.01 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

ClientSampleId :

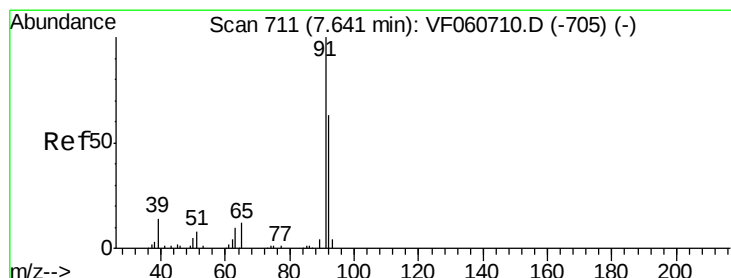
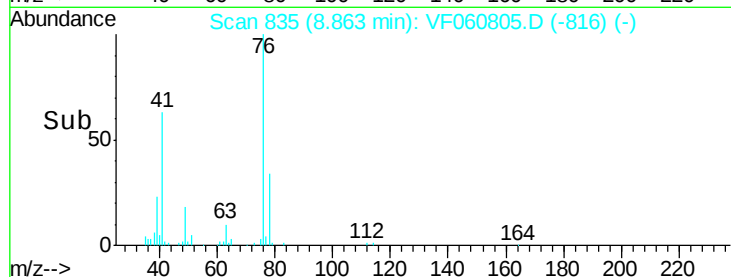
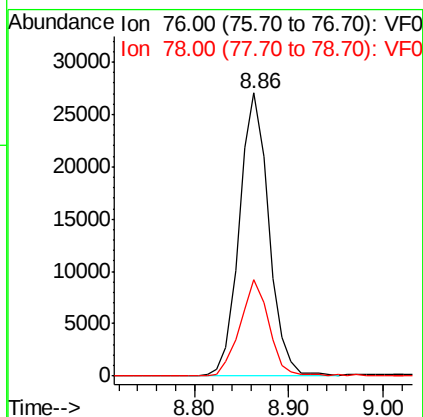
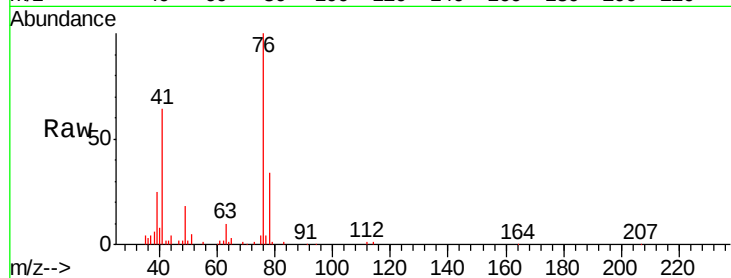
VF1120SBD01

Tgt Ion: 76 Resp: 58718

Ion Ratio Lower Upper

76 100

78 33.9 26.6 39.8



#58

2-Chloroethyl Vinyl ether

Concen: 111.06 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.01 min

Lab File: VF060805.D

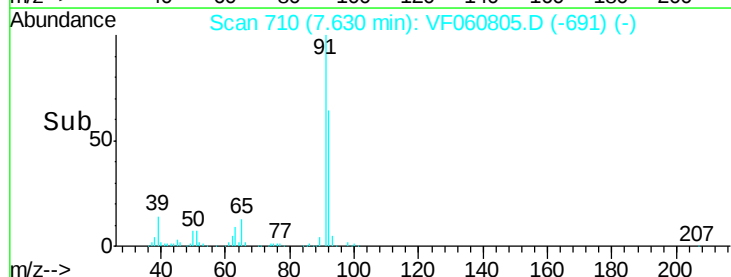
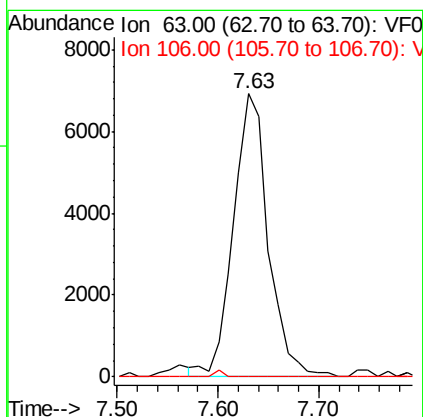
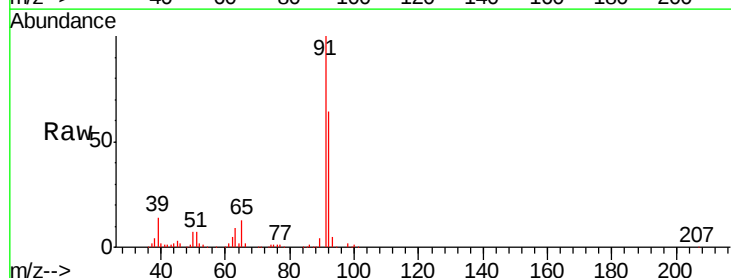
Acq: 20 Nov 2018 15:20

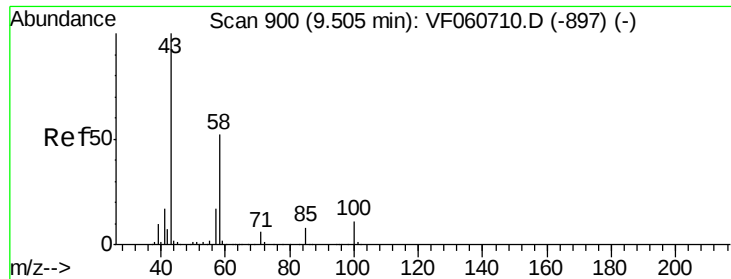
Tgt Ion: 63 Resp: 16711

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

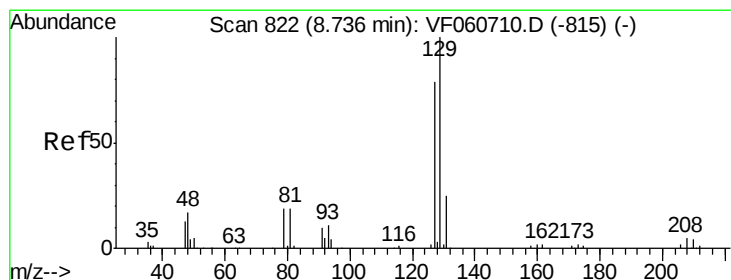
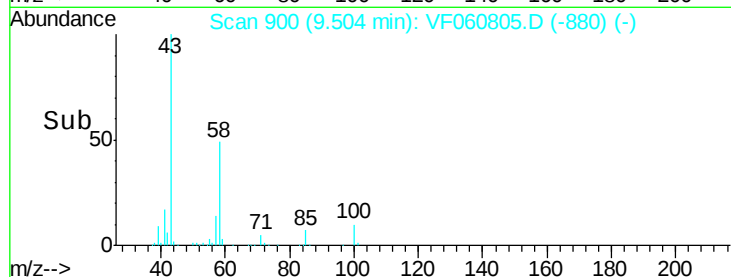
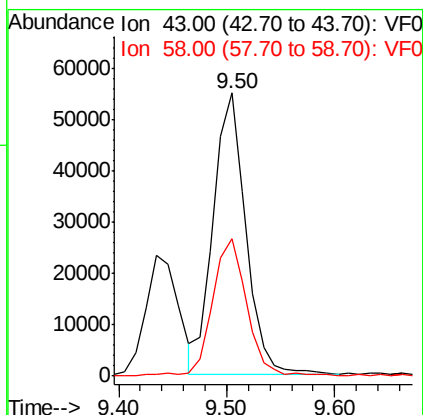
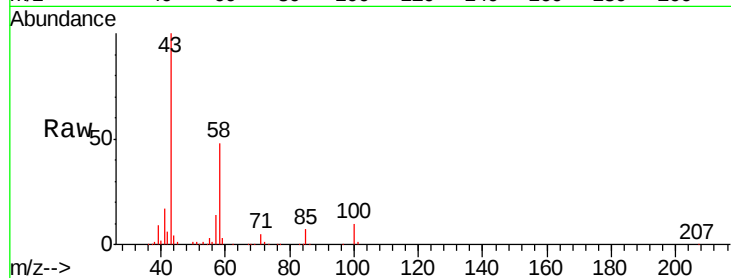




#59
2-Hexanone
Concen: 135.16 ug/l
RT: 9.50 min Scan# 900
Delta R.T. -0.00 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

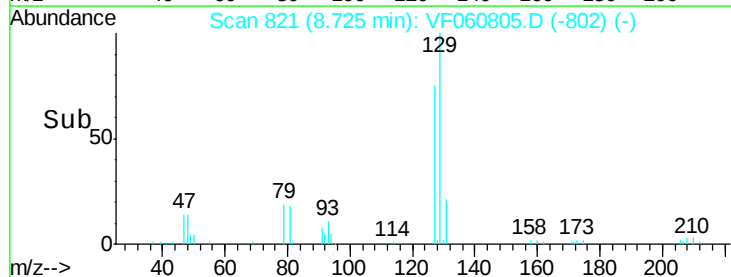
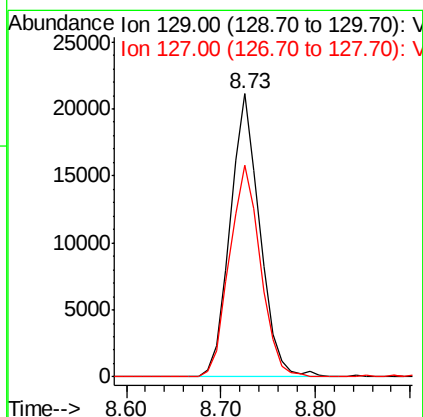
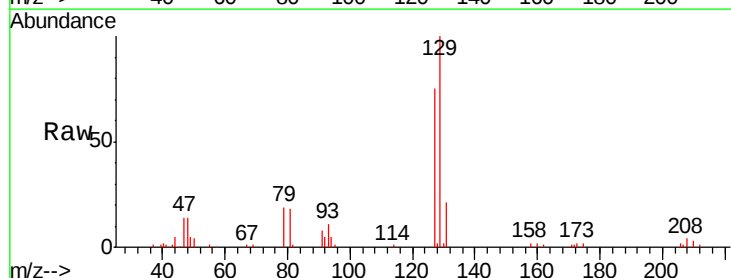
Instrument :
MSVOA_F
ClientSampleId :
VF1120SBD01

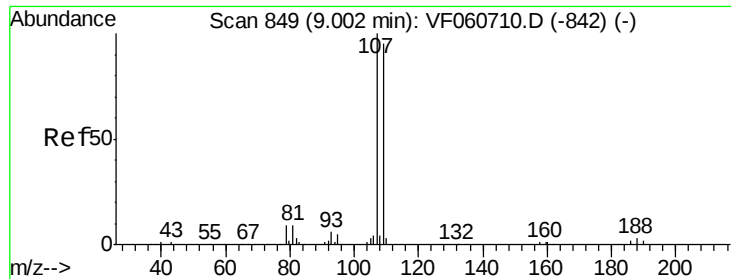
Tgt Ion: 43 Resp: 115079
Ion Ratio Lower Upper
43 100
58 48.4 24.9 74.7



#60
Dibromochloromethane
Concen: 22.11 ug/l
RT: 8.73 min Scan# 821
Delta R.T. -0.01 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

Tgt Ion: 129 Resp: 45699
Ion Ratio Lower Upper
129 100
127 74.9 39.7 119.1





#61

1,2-Dibromoethane

Concen: 23.11 ug/l

RT: 9.00 min Scan# 849

Delta R.T. -0.00 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

ClientSampleId :

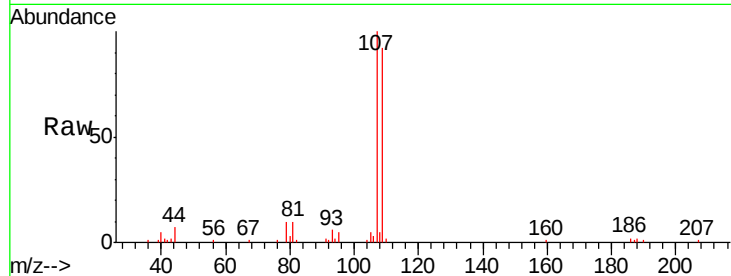
VF1120SBD01

Tgt Ion: 107 Resp: 35244

Ion Ratio Lower Upper

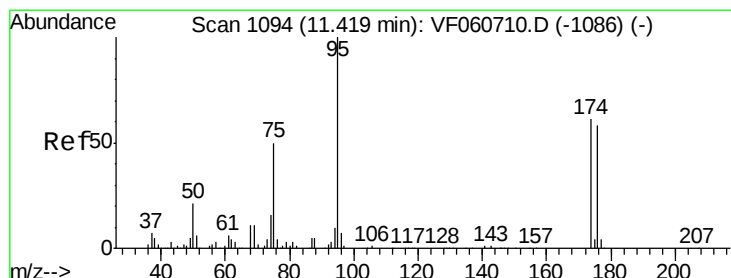
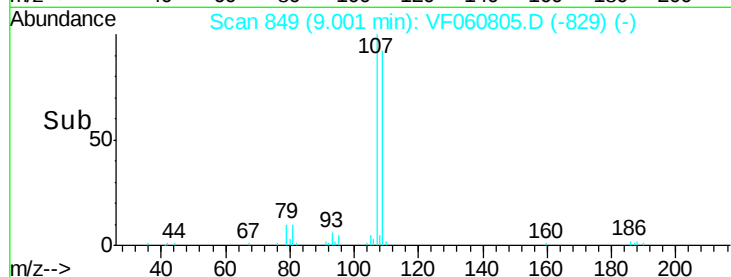
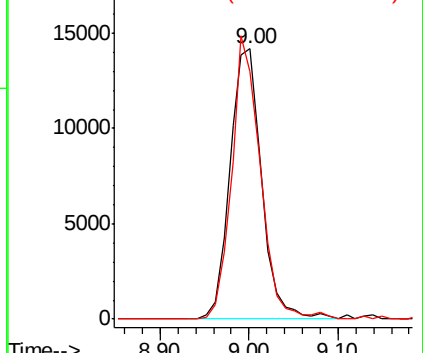
107 100

109 91.6 75.9 113.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 53.73 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

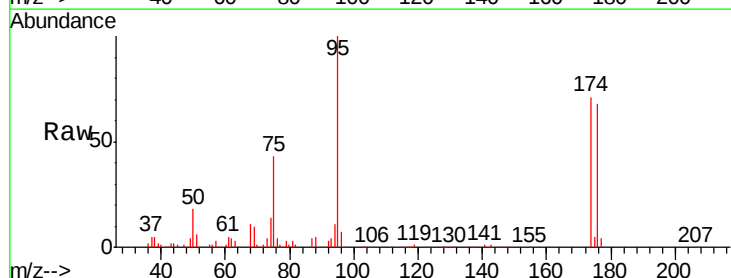
Tgt Ion: 95 Resp: 139248

Ion Ratio Lower Upper

95 100

174 70.6 0.0 121.6

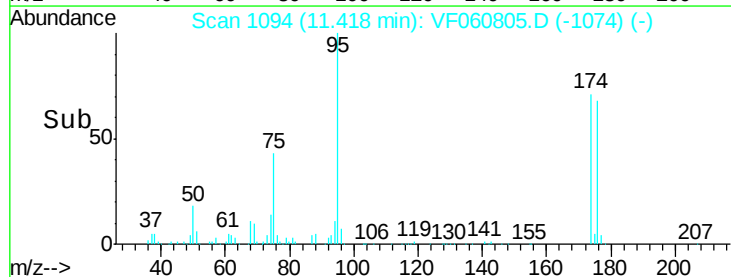
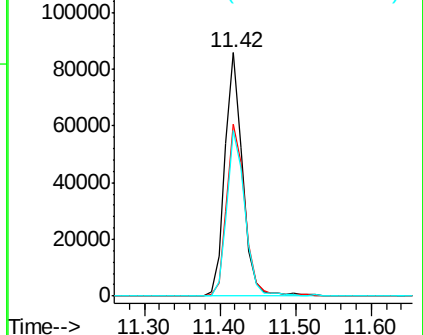
176 68.0 0.0 115.2

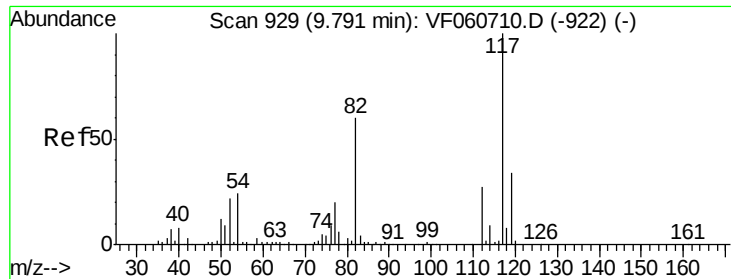


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

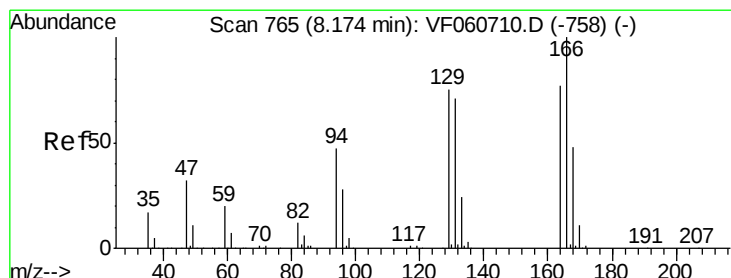
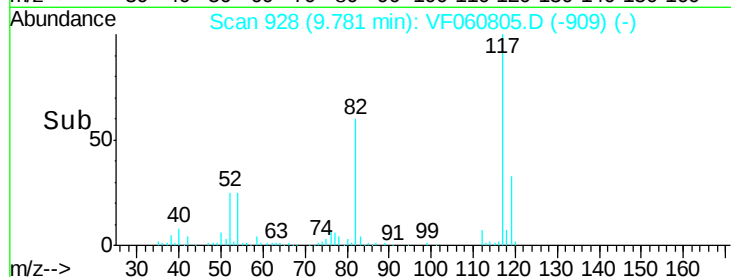
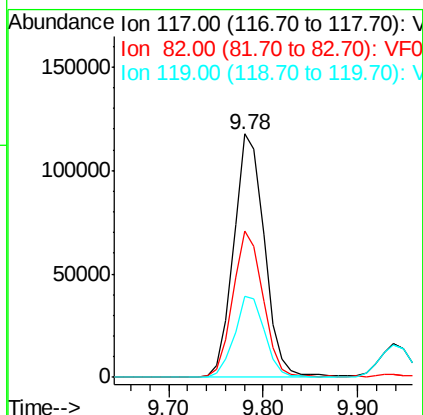
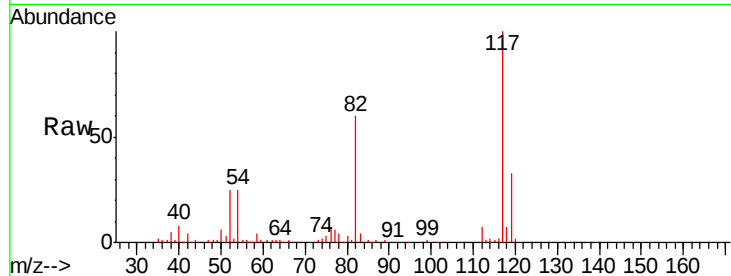




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

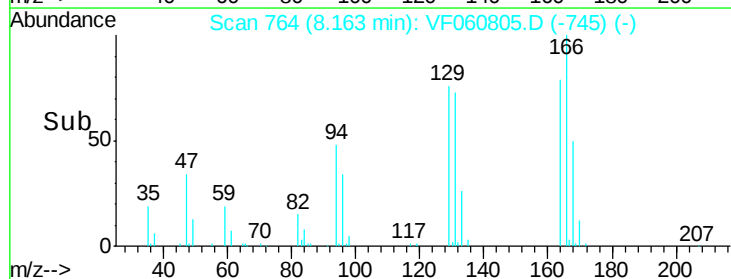
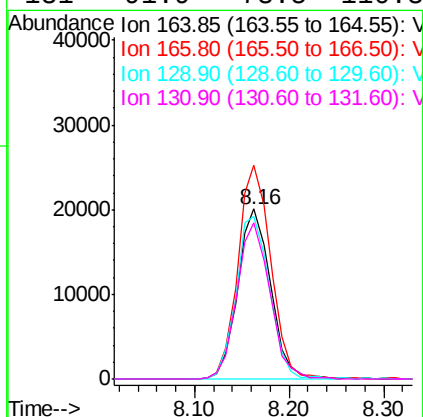
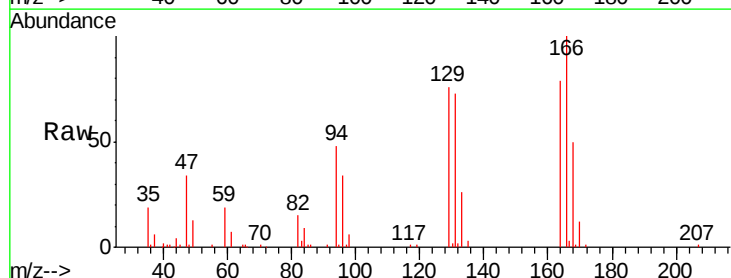
Instrument :
MSVOA_F
ClientSampleId :
VF1120SBD01

Tgt Ion:117 Resp: 264476
Ion Ratio Lower Upper
117 100
82 60.3 47.9 71.9
119 33.1 26.8 40.2



#64
Tetrachloroethene
Concen: 23.06 ug/l
RT: 8.16 min Scan# 764
Delta R.T. -0.01 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

Tgt Ion:164 Resp: 48296
Ion Ratio Lower Upper
164 100
166 125.8 103.5 155.3
129 95.8 77.4 116.2
131 91.9 73.5 110.3

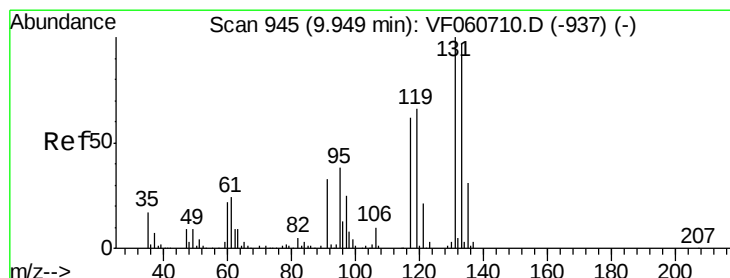
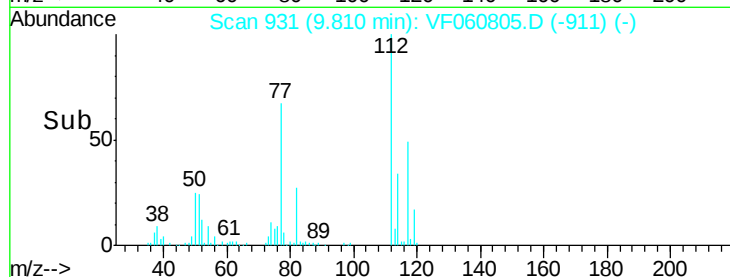
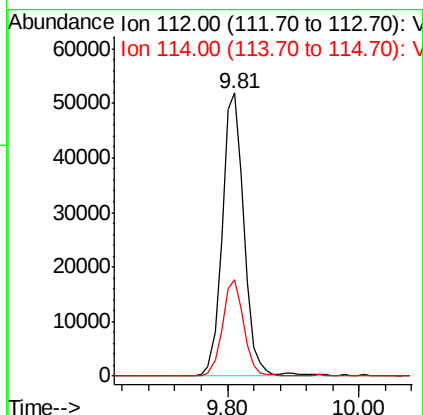
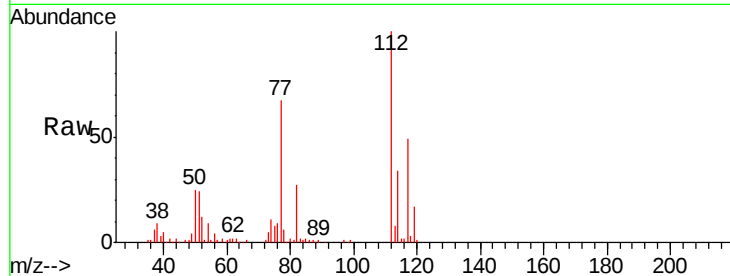




#65
Chlorobenzene
Concen: 22.44 ug/l
RT: 9.81 min Scan# 931
Delta R.T. -0.00 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

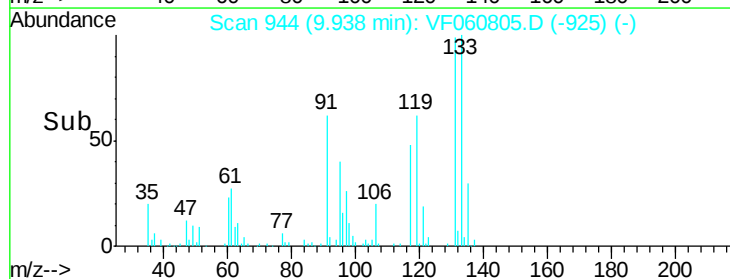
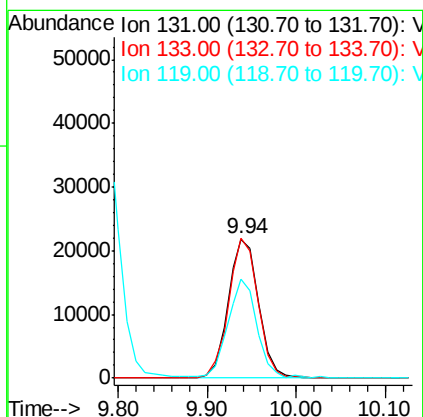
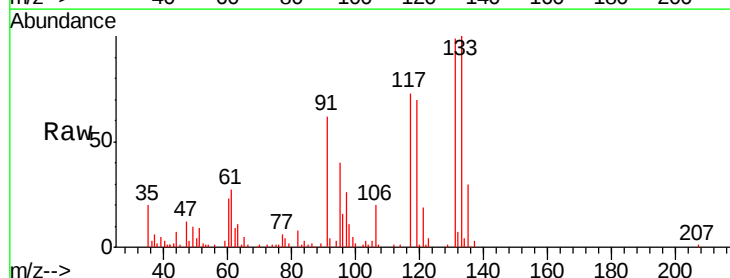
Instrument :
MSVOA_F
ClientSampleId :
VF1120SBD01

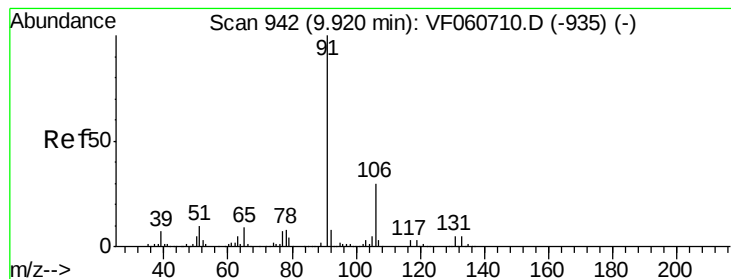
Tgt Ion:112 Resp: 119768
Ion Ratio Lower Upper
112 100
114 34.0 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 22.30 ug/l
RT: 9.94 min Scan# 944
Delta R.T. -0.01 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

Tgt Ion:131 Resp: 51908
Ion Ratio Lower Upper
131 100
133 100.9 48.3 144.8
119 71.1 33.2 99.6





#67

Ethyl Benzene

Concen: 22.49 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.01 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

ClientSampleId :

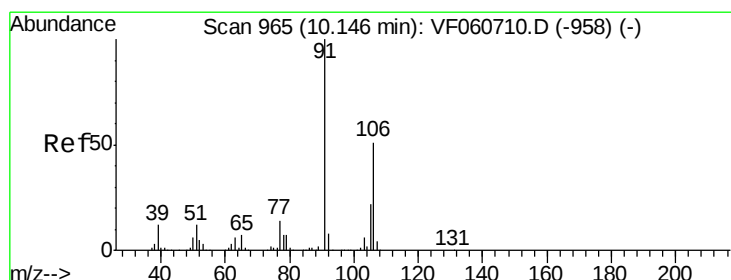
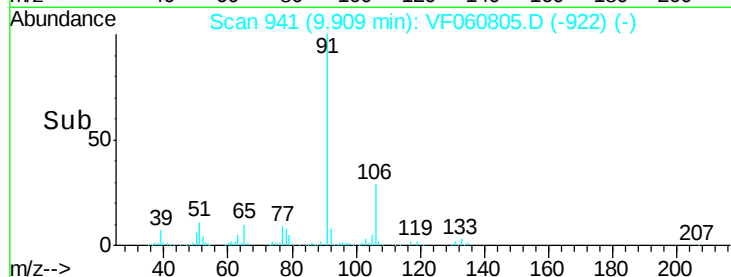
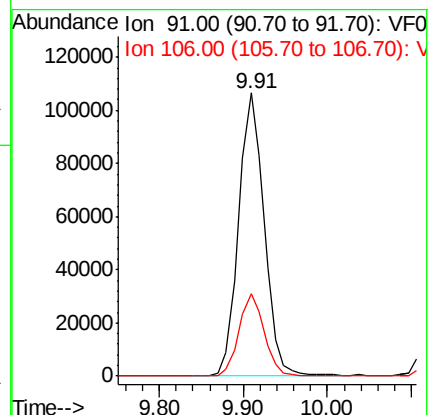
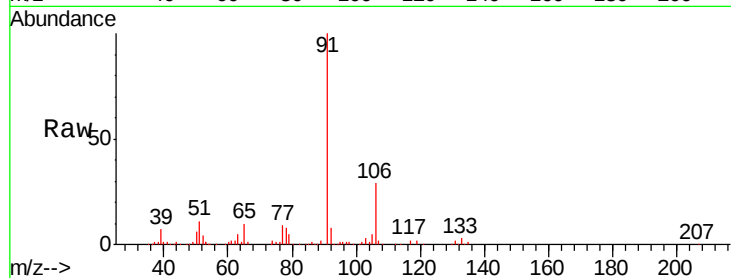
VF1120SBD01

Tgt Ion: 91 Resp: 226247

Ion Ratio Lower Upper

91 100

106 29.0 23.9 35.9



#68

m/p-Xylenes

Concen: 45.83 ug/l

RT: 10.15 min Scan# 965

Delta R.T. -0.00 min

Lab File: VF060805.D

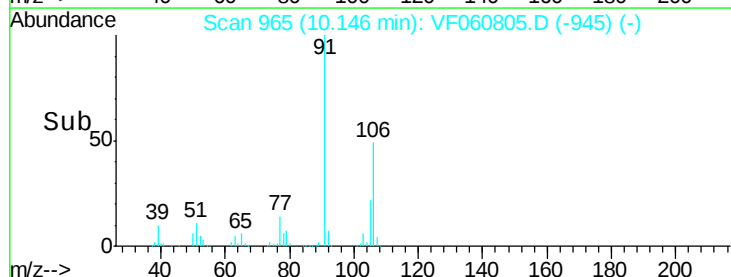
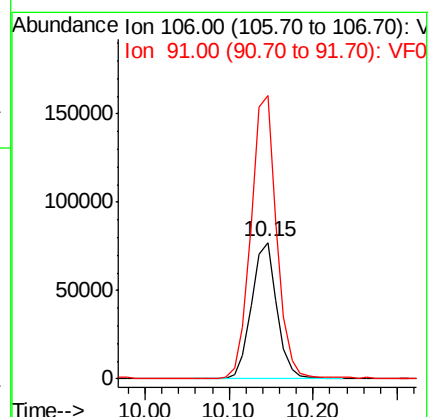
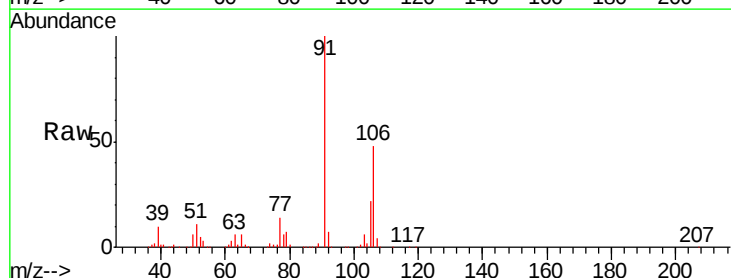
Acq: 20 Nov 2018 15:20

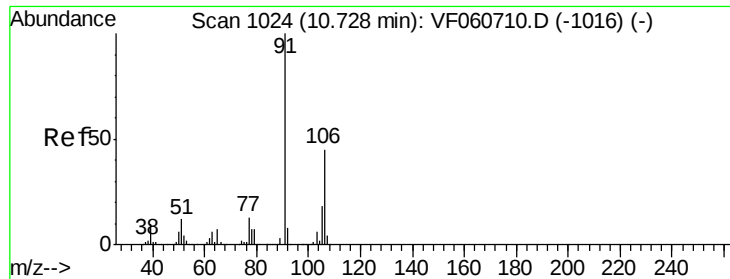
Tgt Ion: 106 Resp: 164759

Ion Ratio Lower Upper

106 100

91 207.0 158.2 237.2

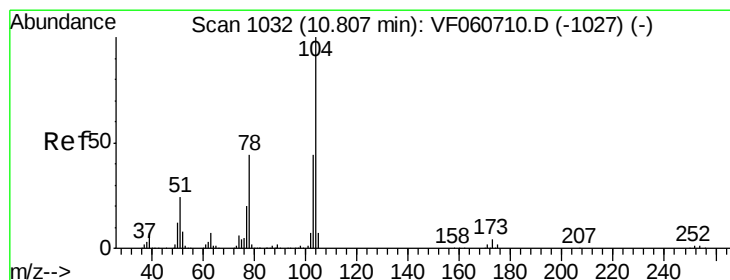
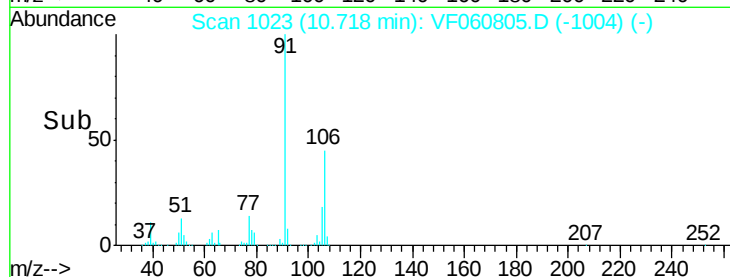
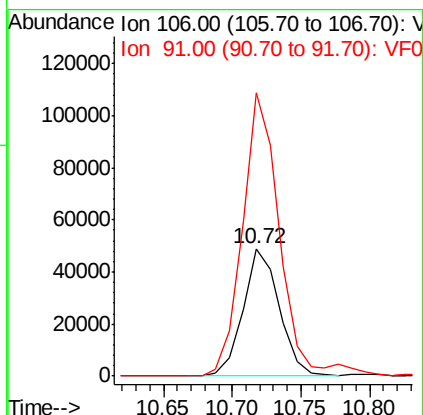
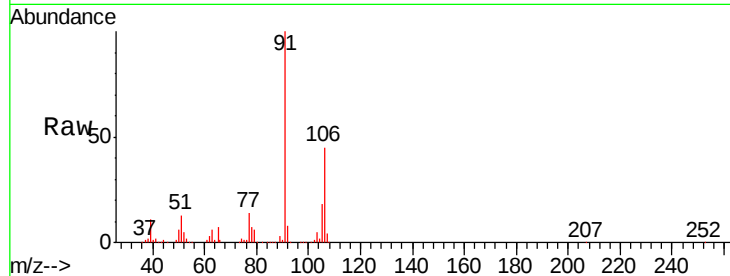




#69
o-Xylene
Concen: 22.22 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

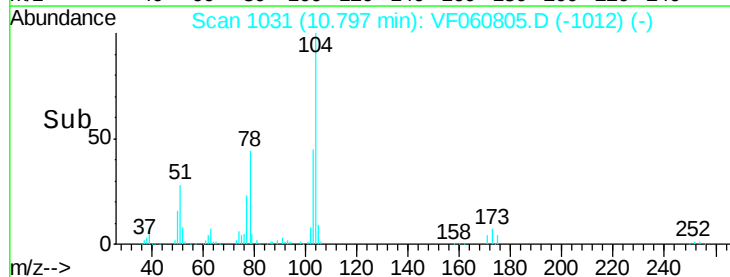
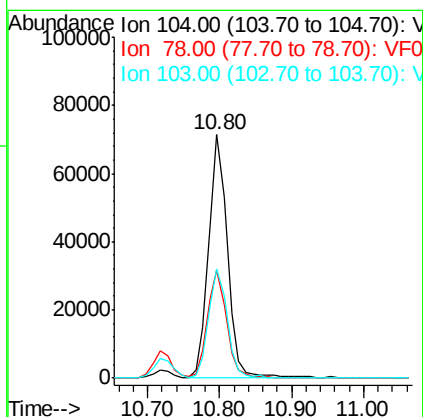
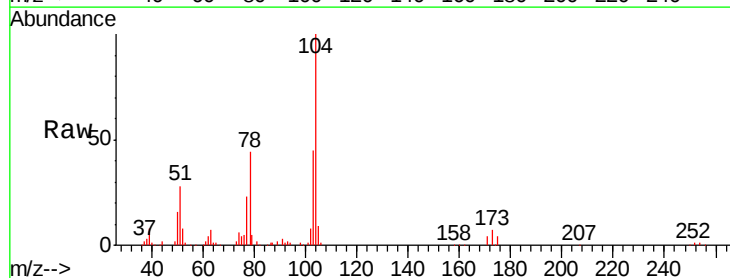
Instrument :
MSVOA_F
ClientSampleId :
VF1120SBD01

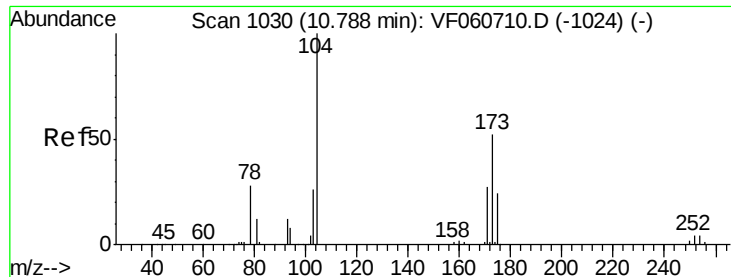
Tgt Ion:106 Resp: 89792
Ion Ratio Lower Upper
106 100
91 221.6 110.3 330.9



#70
Styrene
Concen: 23.51 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

Tgt Ion:104 Resp: 128958
Ion Ratio Lower Upper
104 100
78 44.2 35.4 53.2
103 44.8 35.8 53.6





#71

Bromoform

Concen: 22.95 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

ClientSampleId :

VF1120SBD01

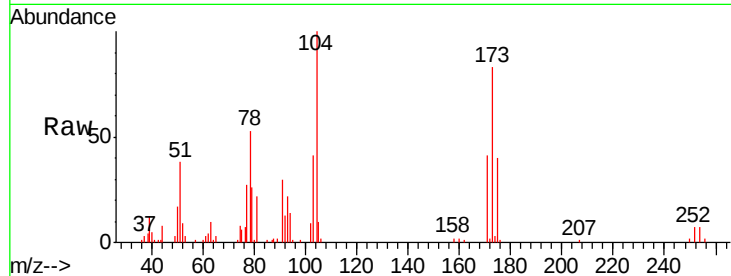
Tgt Ion:173 Resp: 24021

Ion Ratio Lower Upper

173 100

175 49.3 23.4 70.0

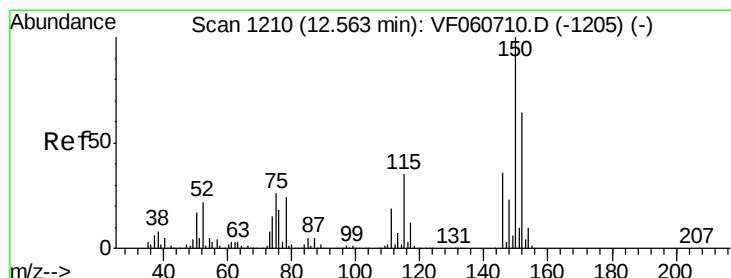
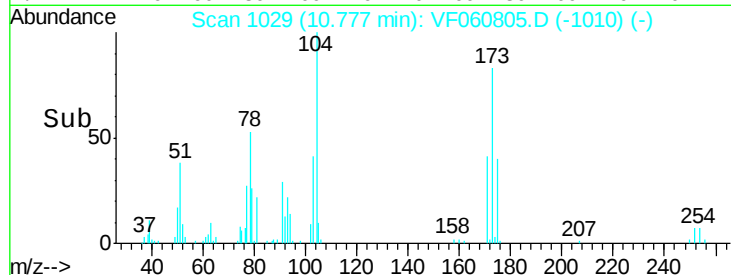
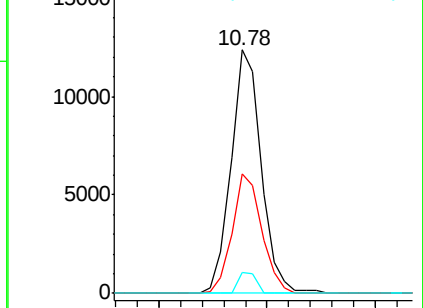
254 8.5 5.8 8.8



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: 50.00 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. -0.00 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

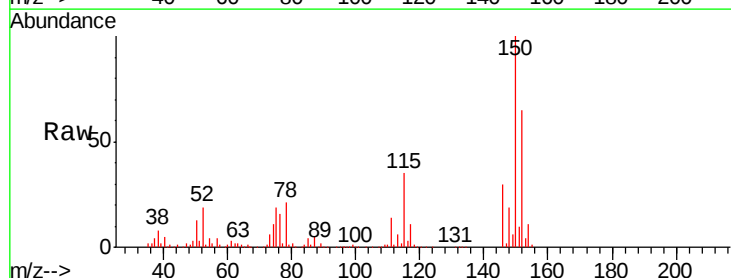
Tgt Ion:152 Resp: 145604

Ion Ratio Lower Upper

152 100

115 53.3 27.9 83.7

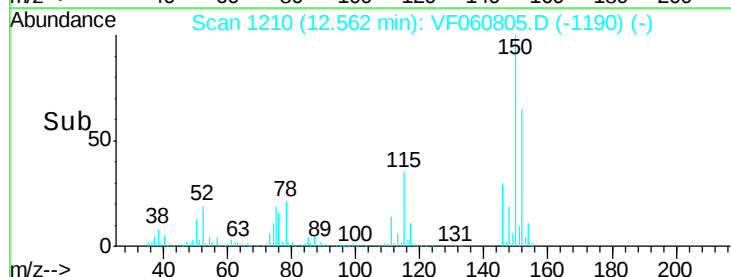
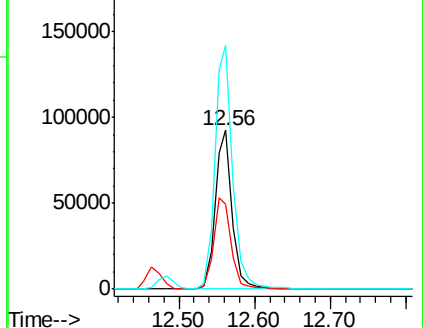
150 153.2 0.0 316.4

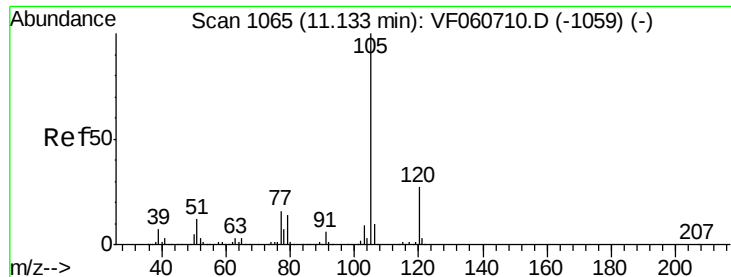


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 23.26 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

ClientSampleId :

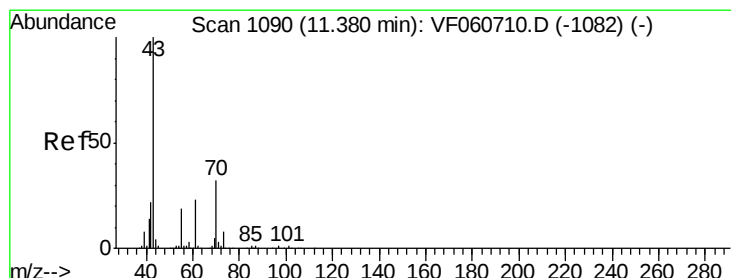
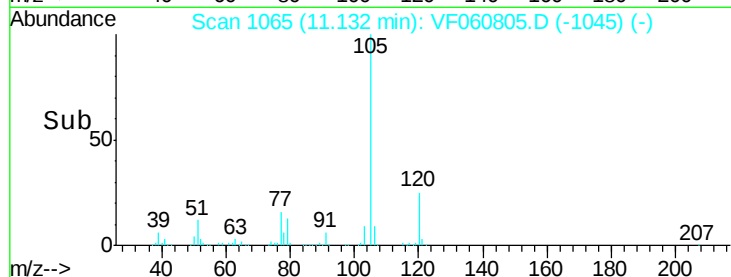
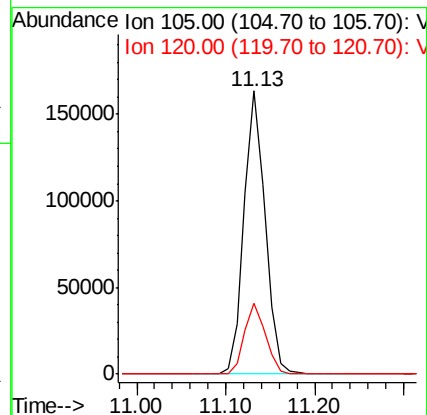
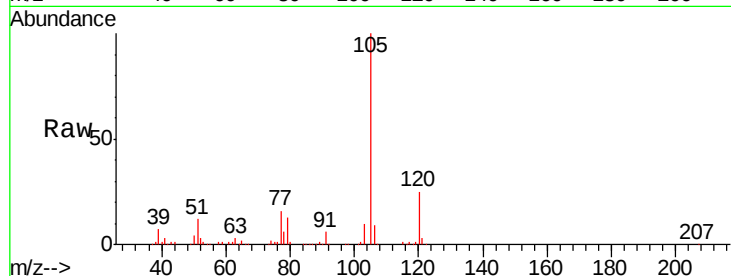
VF1120SBD01

Tgt Ion: 105 Resp: 272655

Ion Ratio Lower Upper

105 100

120 25.2 13.4 40.1



#74

N-ethyl acetate

Concen: 27.34 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Tgt Ion: 43 Resp: 72951

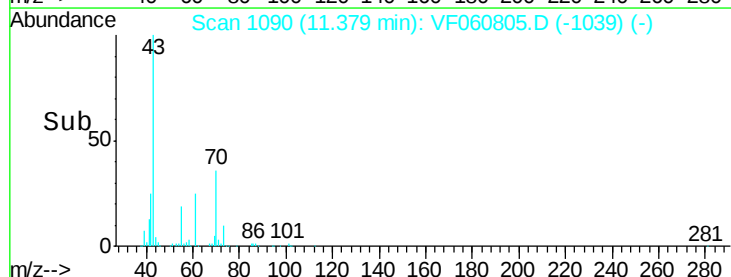
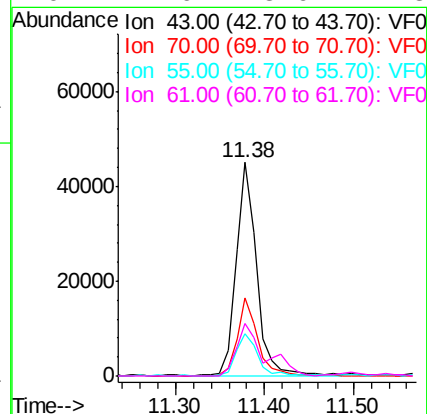
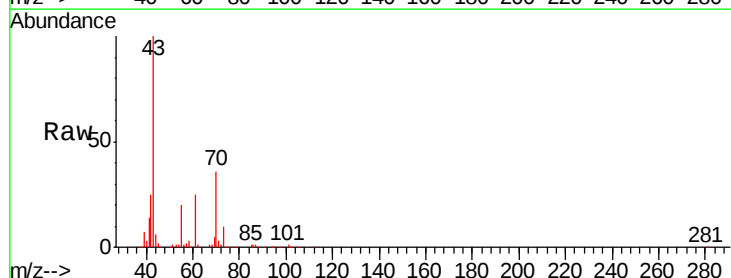
Ion Ratio Lower Upper

43 100

70 36.4 25.5 38.3

55 19.7 14.9 22.3

61 24.6 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 24.17 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

ClientSampleId :

VF1120SBD01

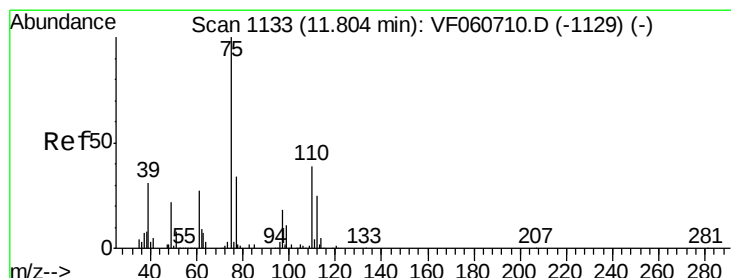
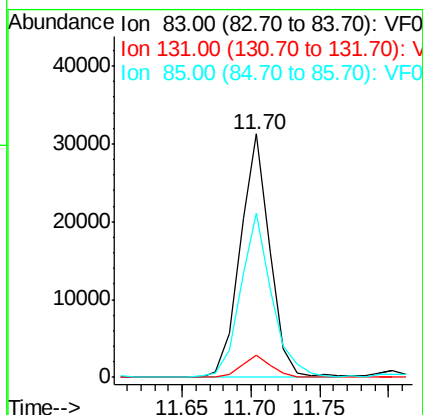
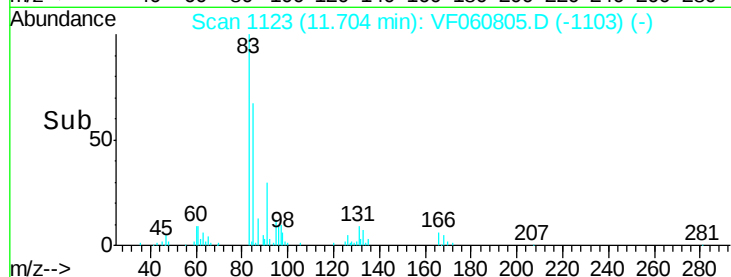
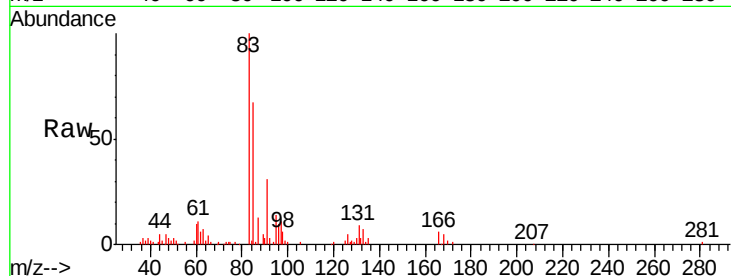
Tgt Ion: 83 Resp: 46837

Ion Ratio Lower Upper

83 100

131 9.3 4.2 12.4

85 67.4 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 22.19 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VF060805.D

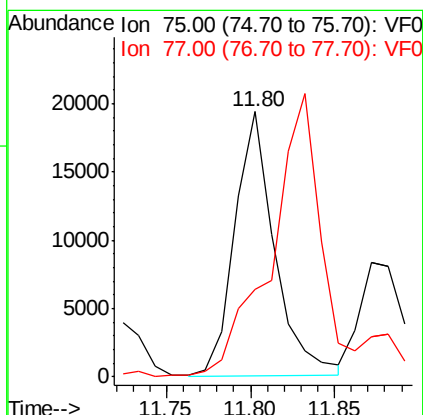
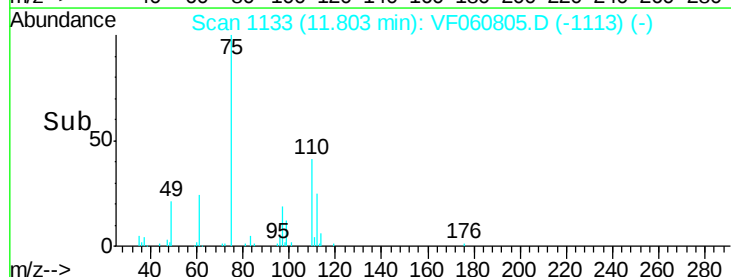
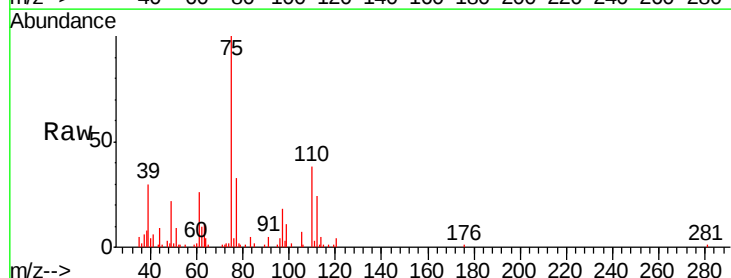
Acq: 20 Nov 2018 15:20

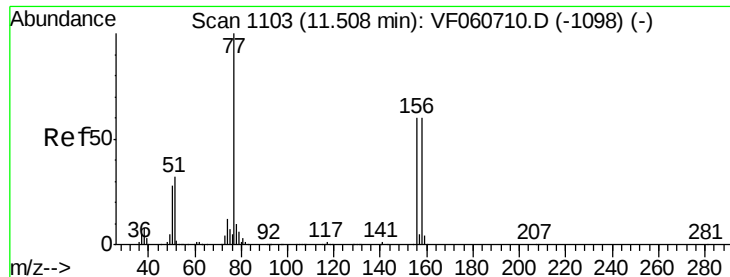
Tgt Ion: 75 Resp: 31936

Ion Ratio Lower Upper

75 100

77 33.2 17.0 51.0





#77

Bromobenzene

Concen: 23.52 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

ClientSampleId :

VF1120SBD01

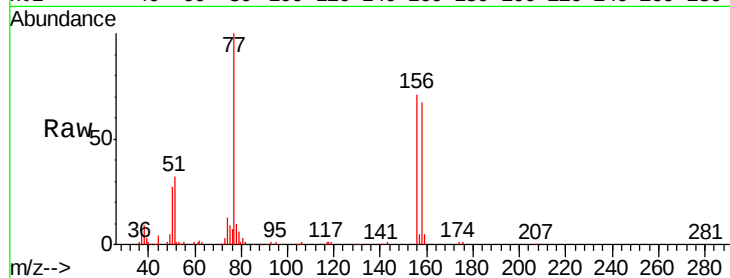
Tgt Ion:156 Resp: 57371

Ion Ratio Lower Upper

156 100

77 141.4 83.0 248.9

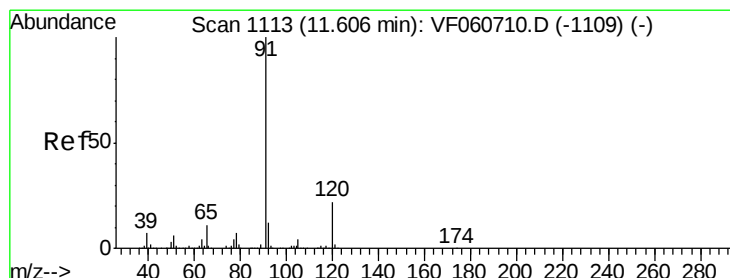
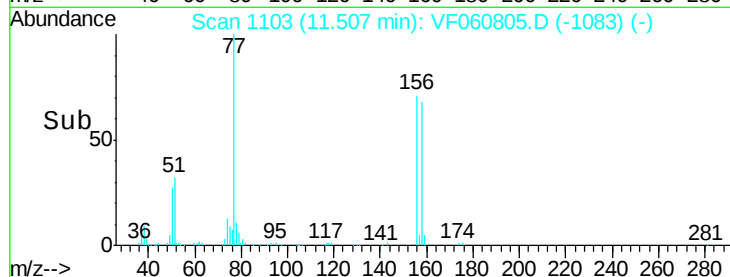
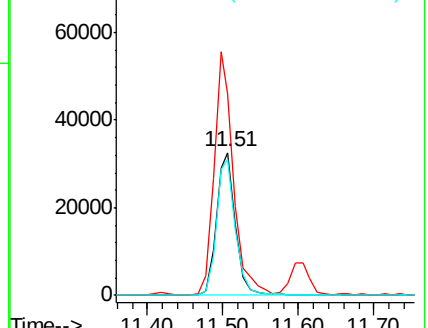
158 95.3 49.6 149.0



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: 23.97 ug/l

RT: 11.61 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF060805.D

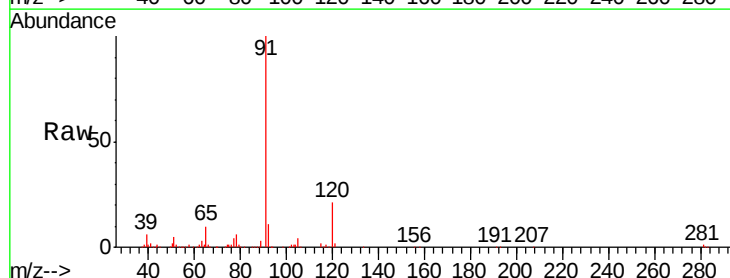
Acq: 20 Nov 2018 15:20

Tgt Ion: 91 Resp: 327689

Ion Ratio Lower Upper

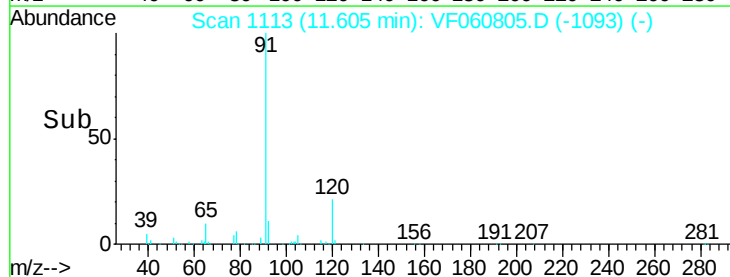
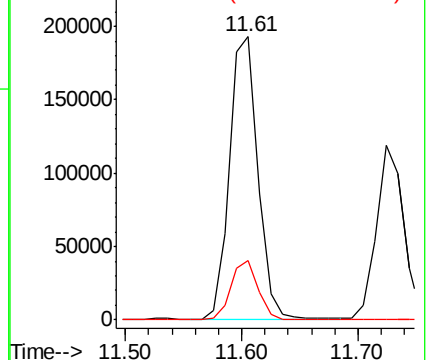
91 100

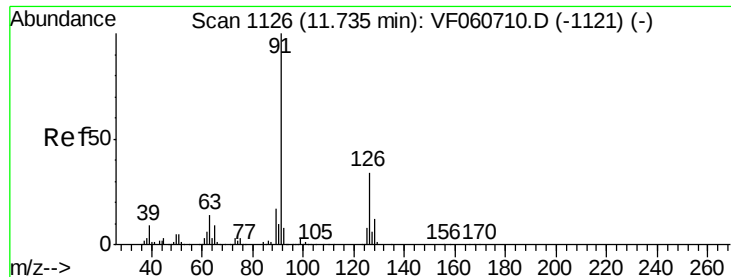
120 20.9 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 24.06 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

ClientSampleId :

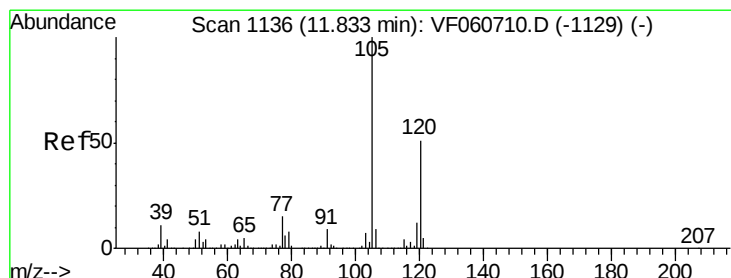
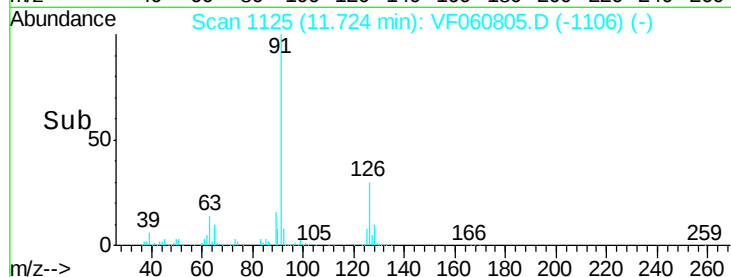
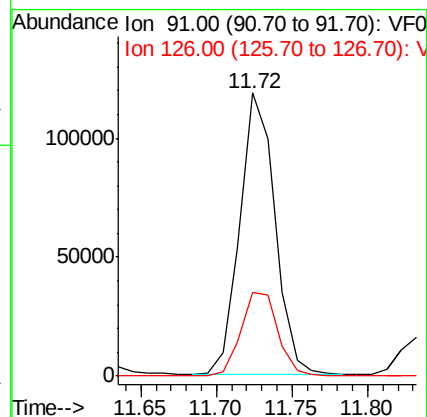
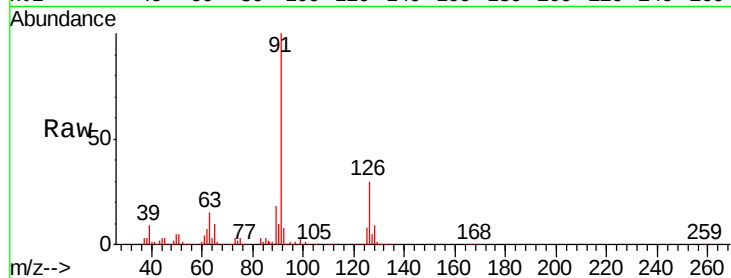
VF1120SBD01

Tgt Ion: 91 Resp: 191121

Ion Ratio Lower Upper

91 100

126 29.7 16.8 50.4



#80

1,3,5-Trimethylbenzene

Concen: 24.37 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VF060805.D

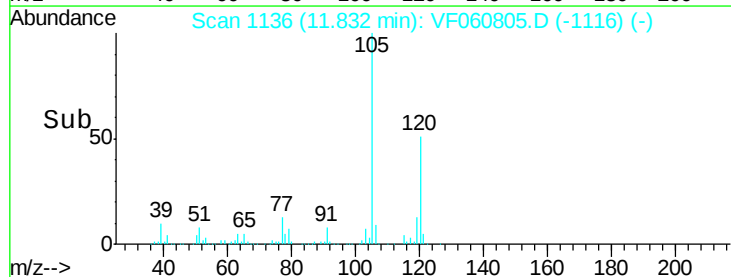
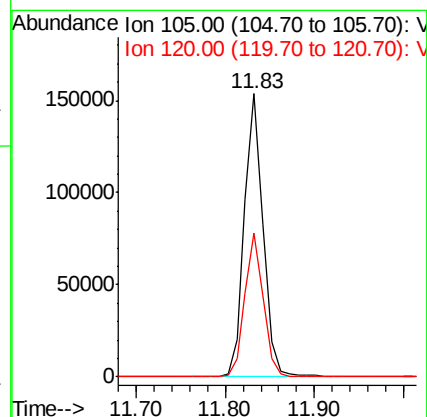
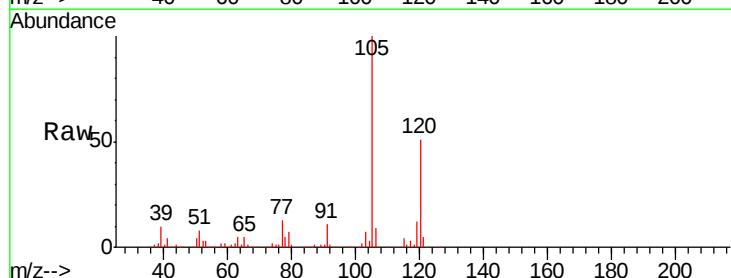
Acq: 20 Nov 2018 15:20

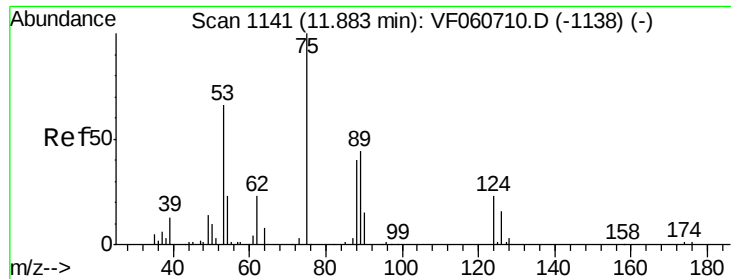
Tgt Ion: 105 Resp: 226774

Ion Ratio Lower Upper

105 100

120 51.0 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 27.95 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

ClientSampleId :

VF1120SBD01

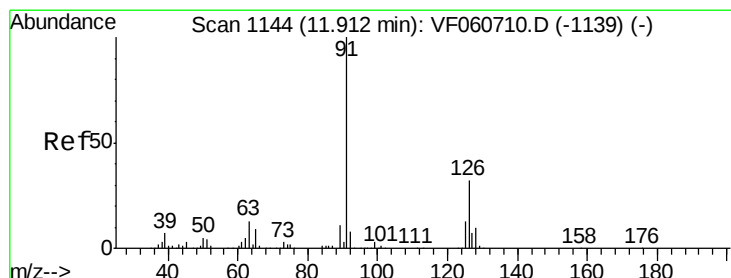
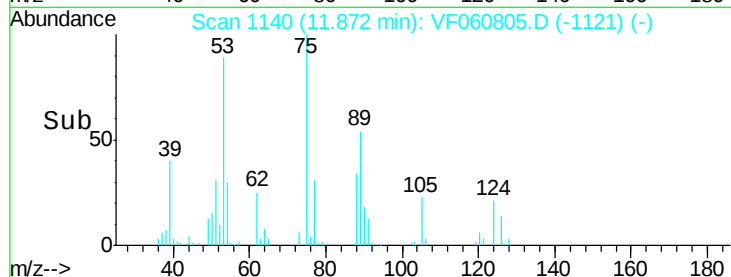
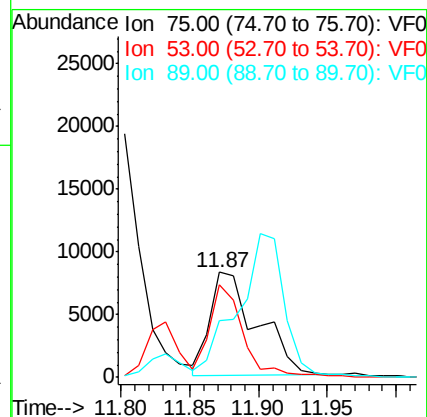
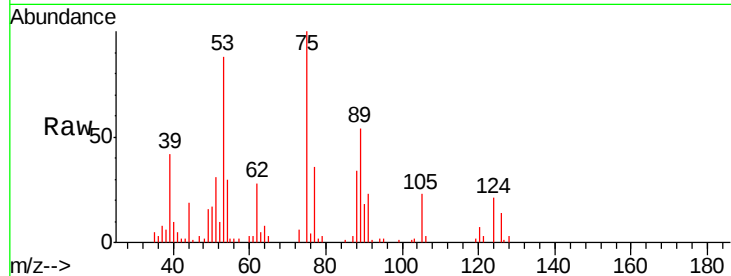
Tgt Ion: 75 Resp: 19761

Ion Ratio Lower Upper

75 100

53 88.4 57.0 85.4#

89 53.8 37.8 56.8



#82

4-Chlorotoluene

Concen: 23.83 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF060805.D

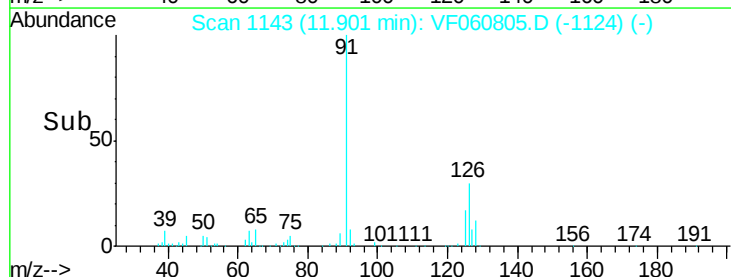
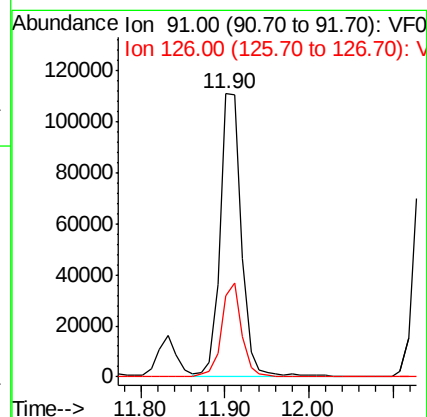
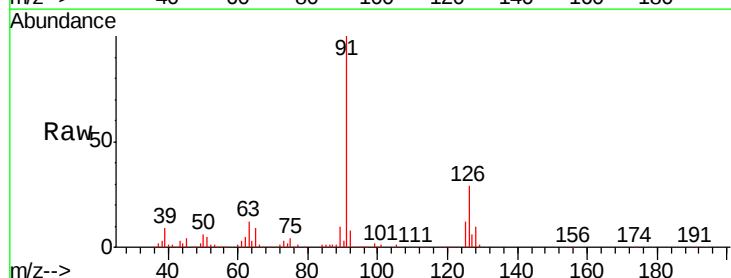
Acq: 20 Nov 2018 15:20

Tgt Ion: 91 Resp: 193959

Ion Ratio Lower Upper

91 100

126 28.6 16.0 47.9

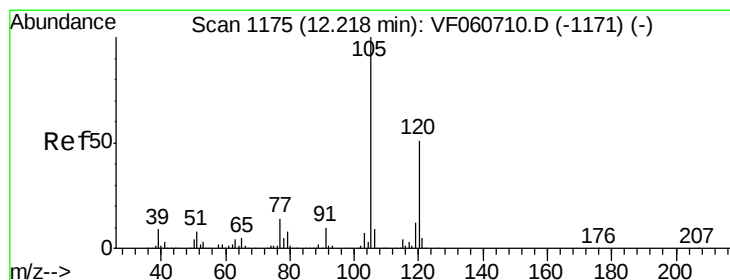
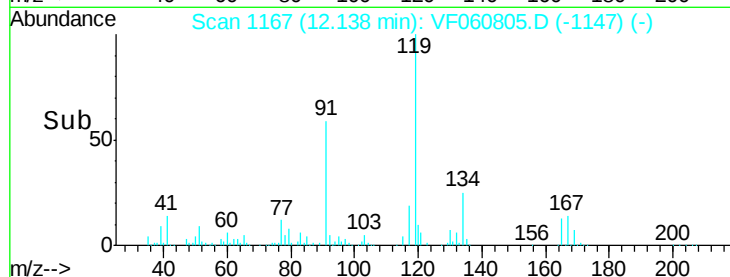
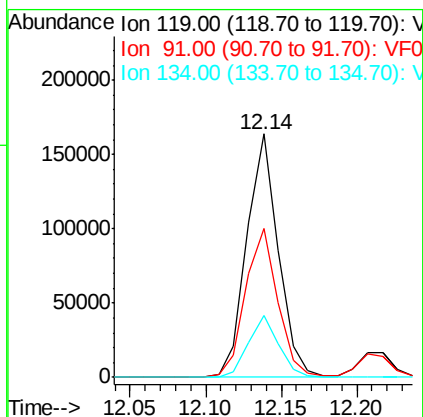
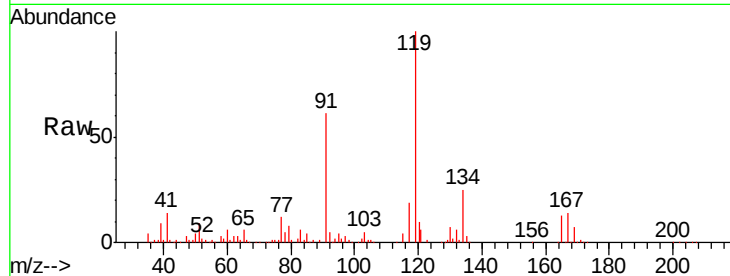




#83
 tert-Butylbenzene
 Concen: 24.27 ug/l
 RT: 12.14 min Scan# 1167
 Delta R.T. -0.00 min
 Lab File: VF060805.D
 Acq: 20 Nov 2018 15:20

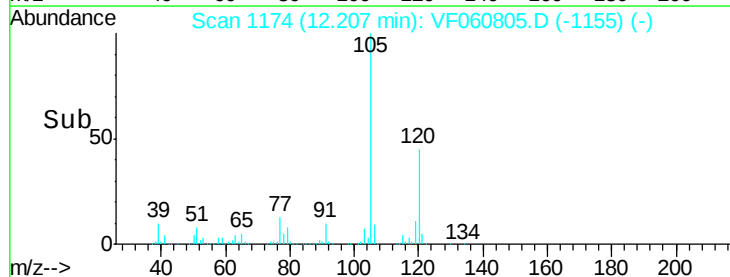
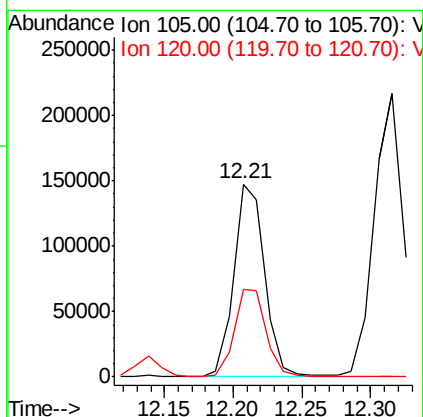
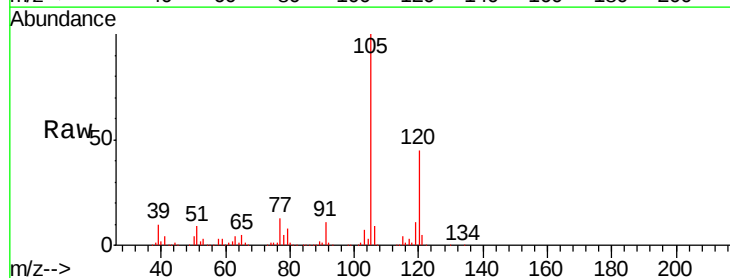
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1120SBD01

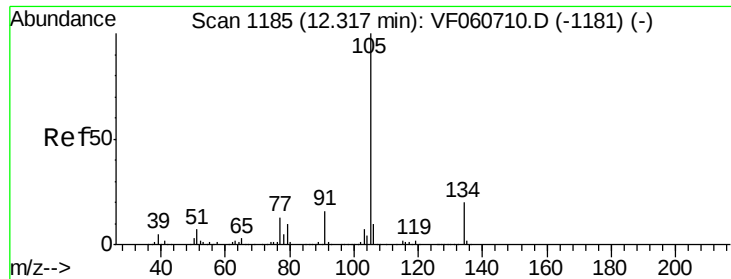
Tgt Ion:119 Resp: 239793
 Ion Ratio Lower Upper
 119 100
 91 61.1 31.4 94.3
 134 25.3 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 24.07 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VF060805.D
 Acq: 20 Nov 2018 15:20

Tgt Ion:105 Resp: 231677
 Ion Ratio Lower Upper
 105 100
 120 45.1 25.5 76.5

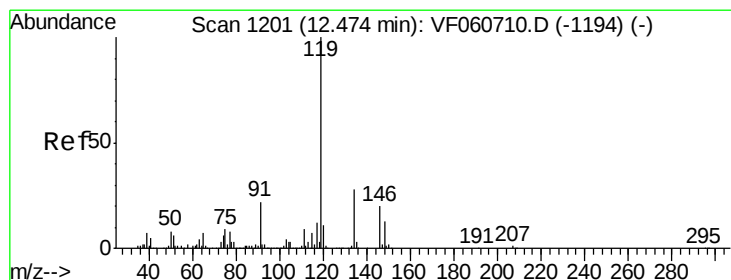
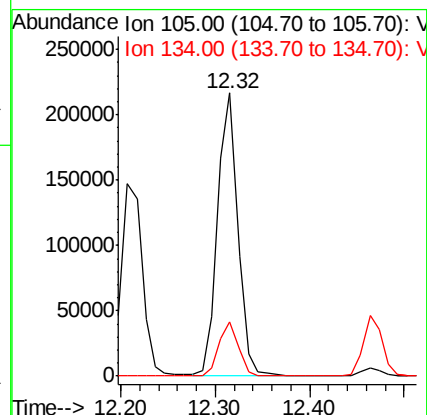
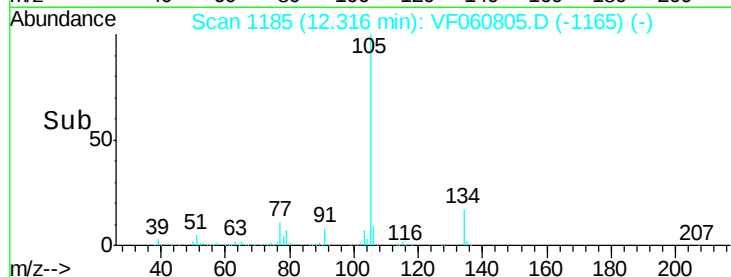
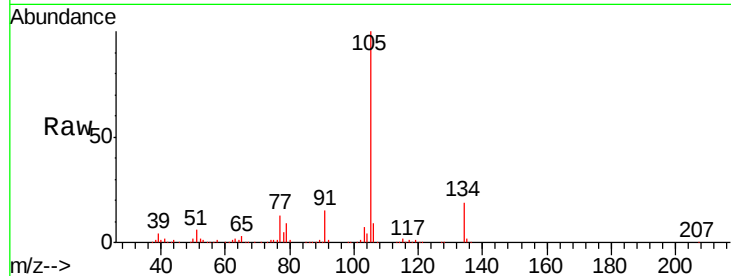




#85
 sec-Butylbenzene
 Concen: 24.17 ug/l
 RT: 12.32 min Scan# 1185
 Delta R.T. -0.00 min
 Lab File: VF060805.D
 Acq: 20 Nov 2018 15:20

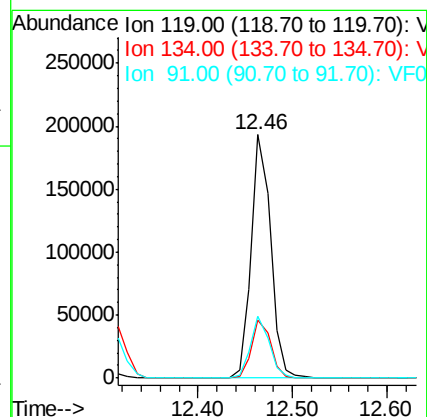
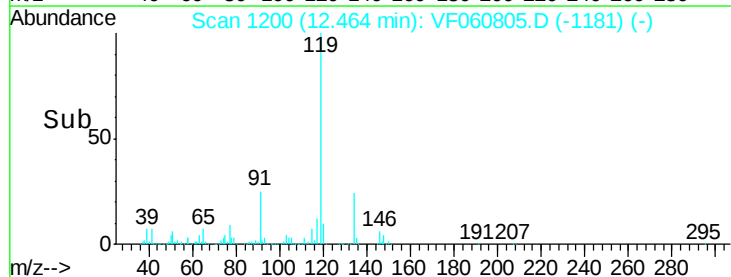
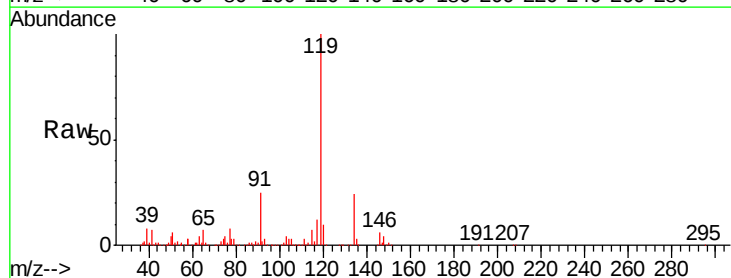
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1120SBD01

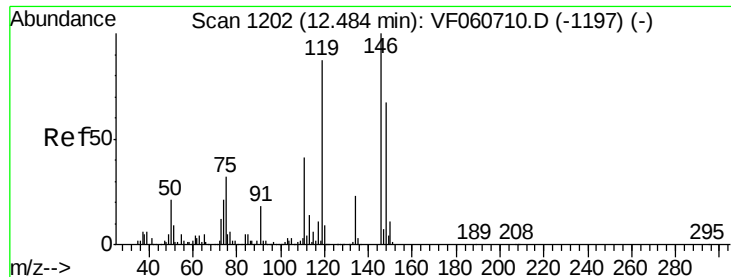
Tgt Ion:105 Resp: 323914
 Ion Ratio Lower Upper
 105 100
 134 19.1 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 24.69 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF060805.D
 Acq: 20 Nov 2018 15:20

Tgt Ion:119 Resp: 276330
 Ion Ratio Lower Upper
 119 100
 134 23.8 13.9 41.7
 91 25.3 11.3 33.9





#87

1,3-Dichlorobenzene

Concen: 23.88 ug/l

RT: 12.48 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

ClientSampleId :

VF1120SBD01

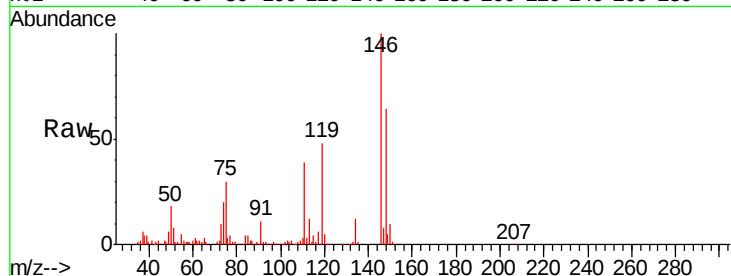
Tgt Ion:146 Resp: 115954

Ion Ratio Lower Upper

146 100

111 39.1 20.3 60.8

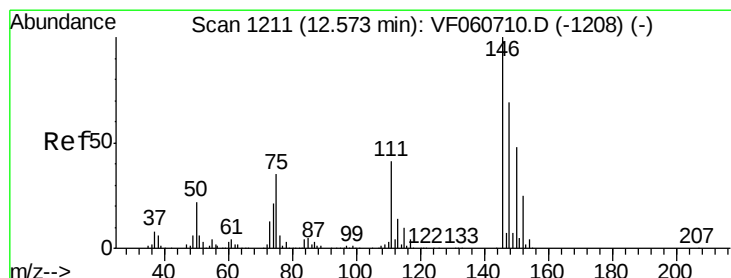
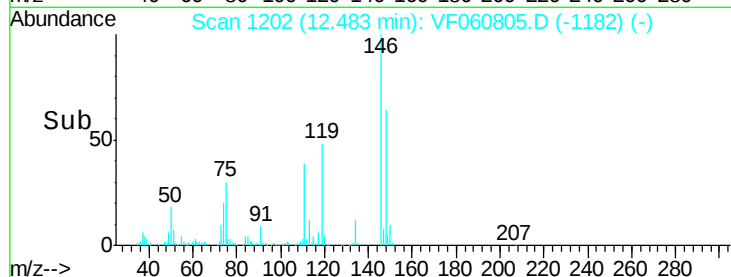
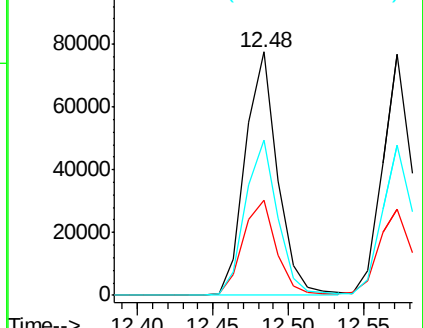
148 63.7 33.3 99.9



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



#88

1,4-Dichlorobenzene

Concen: 23.17 ug/l

RT: 12.57 min Scan# 1211

Delta R.T. -0.00 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

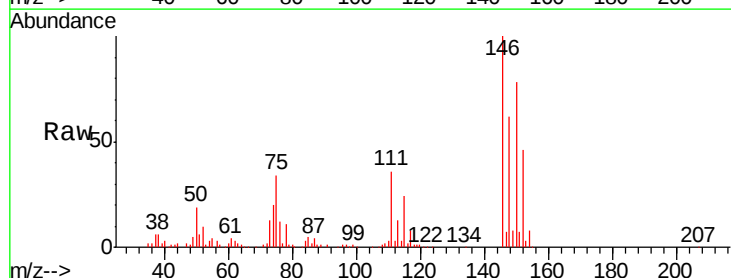
Tgt Ion:146 Resp: 108116

Ion Ratio Lower Upper

146 100

111 35.8 20.6 61.9

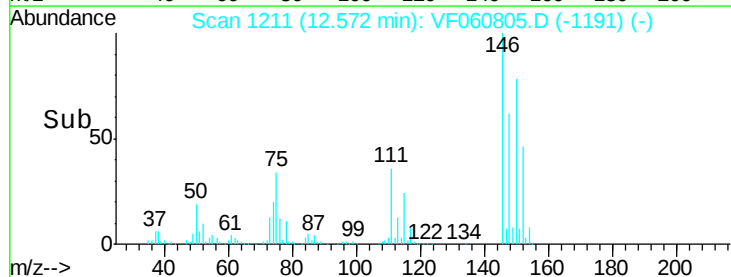
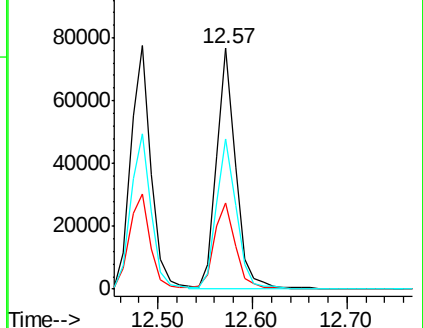
148 62.4 34.7 104.1

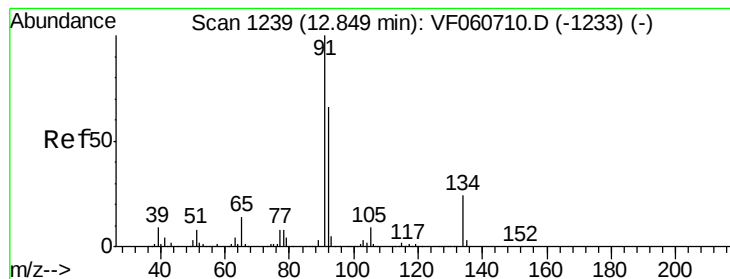


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 24.96 ug/l

RT: 12.85 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VF060805.D

Acq: 20 Nov 2018 15:20

Instrument :

MSVOA_F

ClientSampleId :

VF1120SBD01

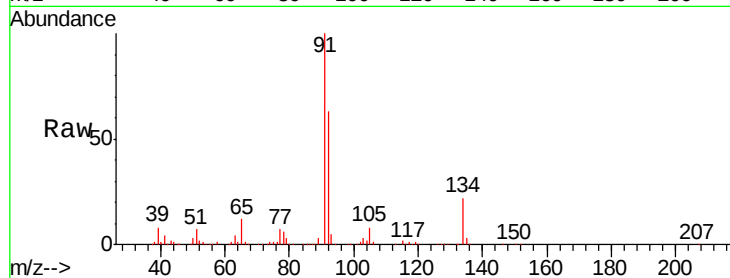
Tgt Ion: 91 Resp: 285075

Ion Ratio Lower Upper

91 100

92 62.5 33.1 99.2

134 22.1 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V

12.85

250000

200000

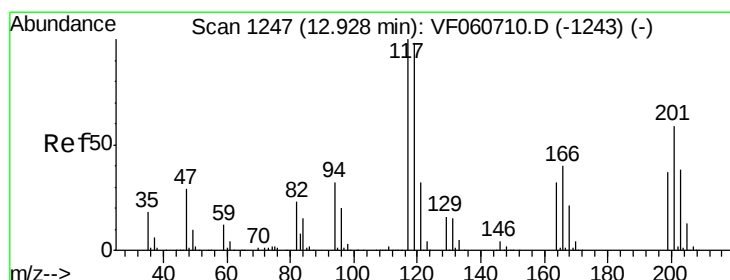
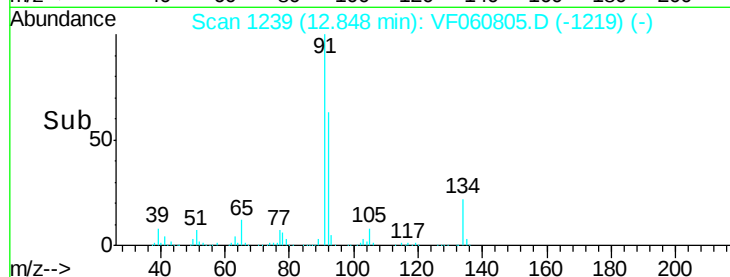
150000

100000

50000

0

Time-->



#90

Hexachloroethane

Concen: 23.31 ug/l

RT: 12.93 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VF060805.D

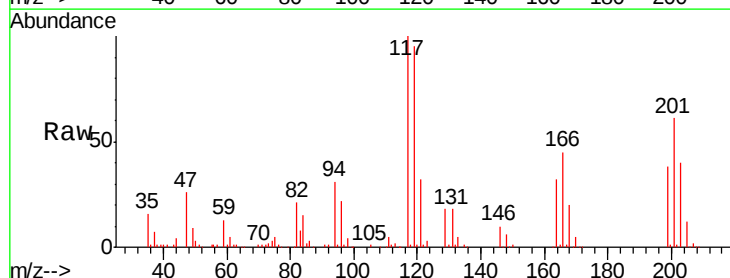
Acq: 20 Nov 2018 15:20

Tgt Ion: 117 Resp: 63807

Ion Ratio Lower Upper

117 100

201 62.0 29.4 88.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

50000

40000

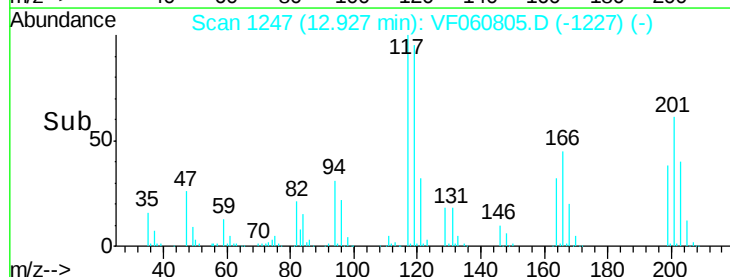
30000

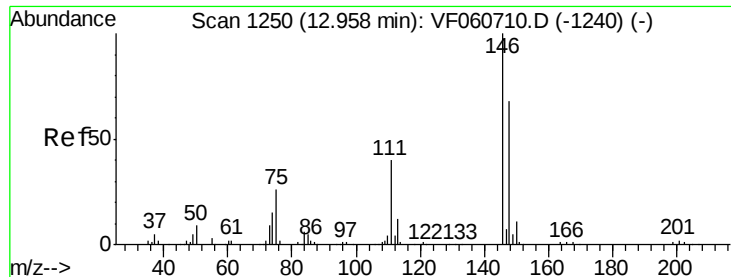
20000

10000

0

Time-->

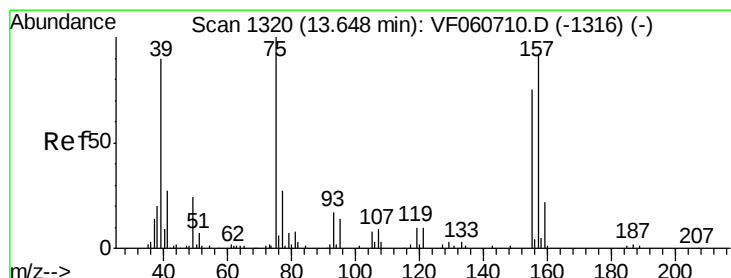
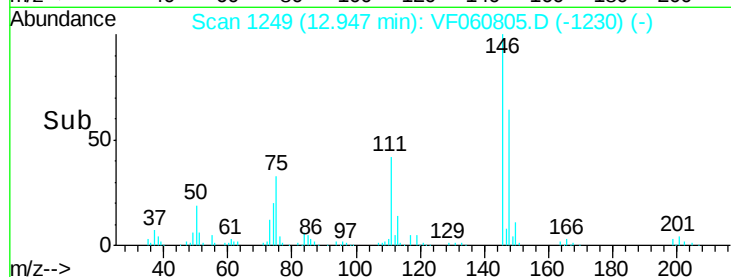
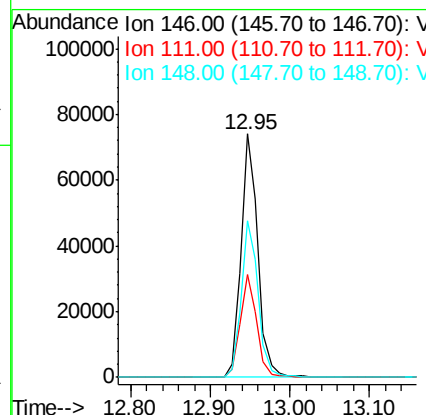
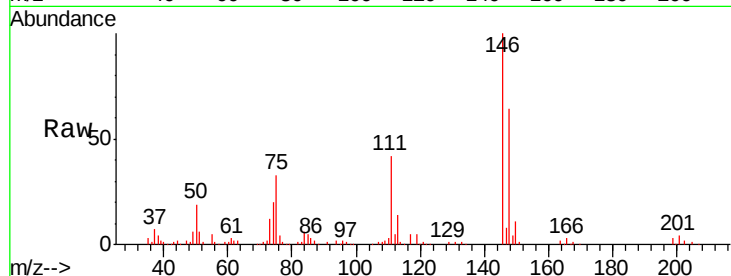




#91
 1,2-Dichlorobenzene
 Concen: 23.93 ug/l
 RT: 12.95 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: VF060805.D
 Acq: 20 Nov 2018 15:20

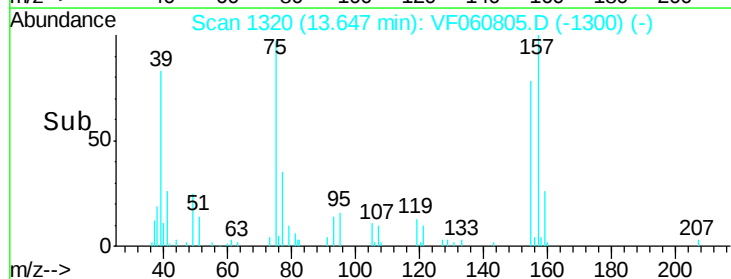
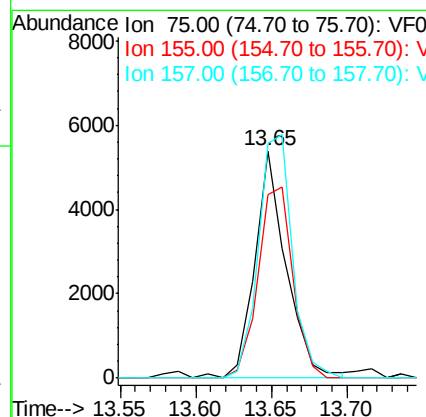
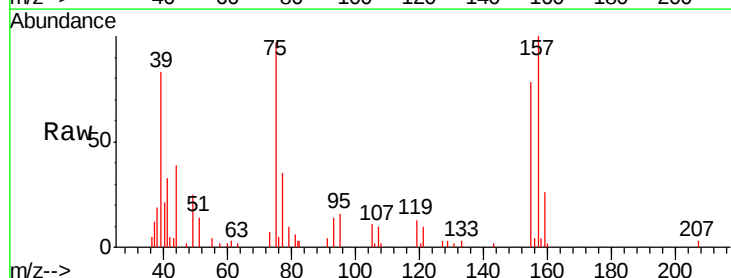
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1120SBD01

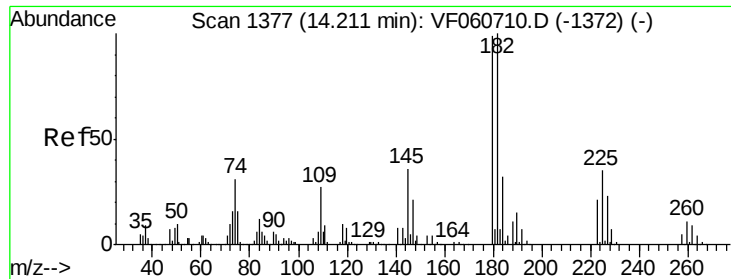
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.3	60.8
148	64.2	34.1	102.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.44 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VF060805.D
 Acq: 20 Nov 2018 15:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.8	37.4	112.2
157	103.0	46.0	138.0

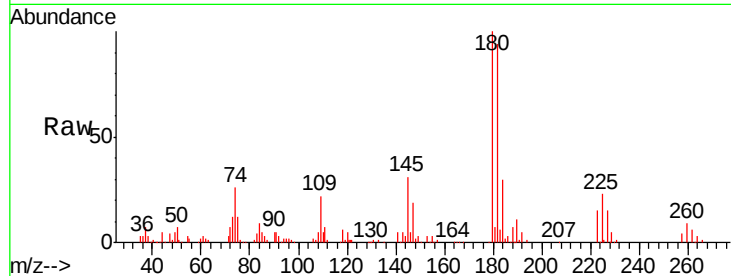




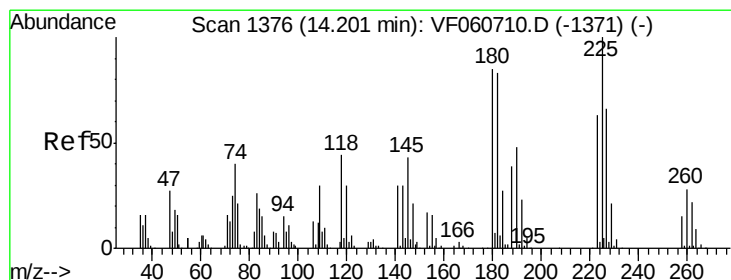
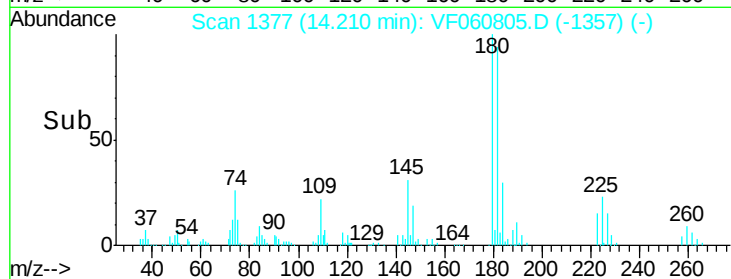
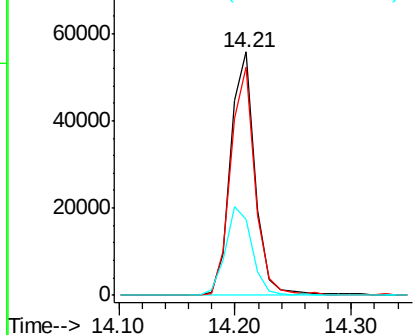
#93
 1,2,4-Trichlorobenzene
 Concen: 24.68 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VF060805.D
 Acq: 20 Nov 2018 15:20

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1120SBD01

Tgt Ion:180 Resp: 81084
 Ion Ratio Lower Upper
 180 100
 182 93.6 50.3 151.0
 145 30.9 18.3 54.9

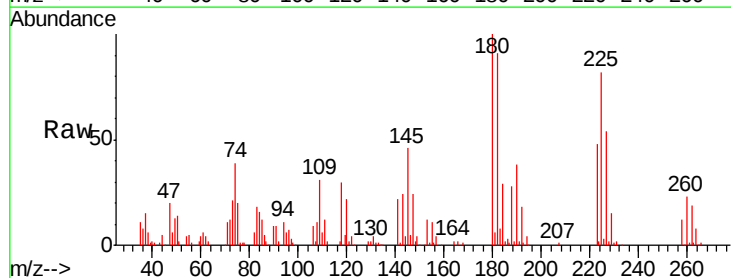


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

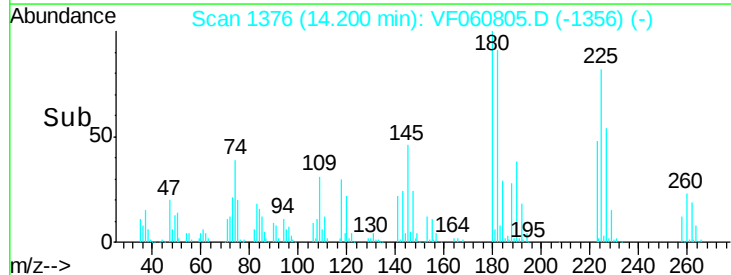
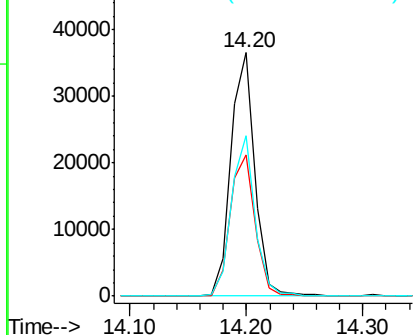


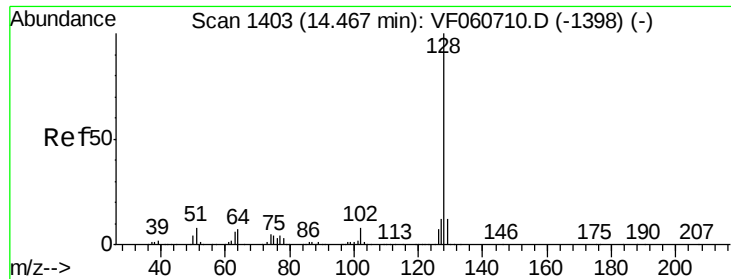
#94
 Hexachlorobutadiene
 Concen: 24.14 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VF060805.D
 Acq: 20 Nov 2018 15:20

Tgt Ion:225 Resp: 51839
 Ion Ratio Lower Upper
 225 100
 223 57.9 31.5 94.5
 227 65.7 33.0 99.0



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

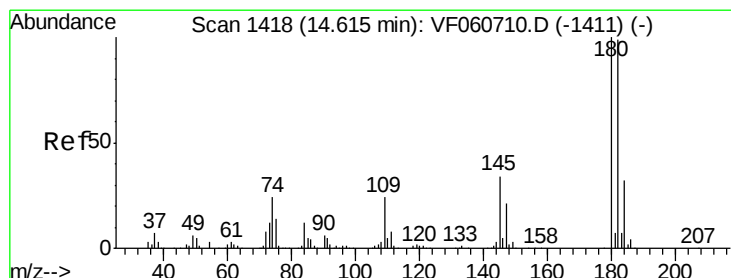
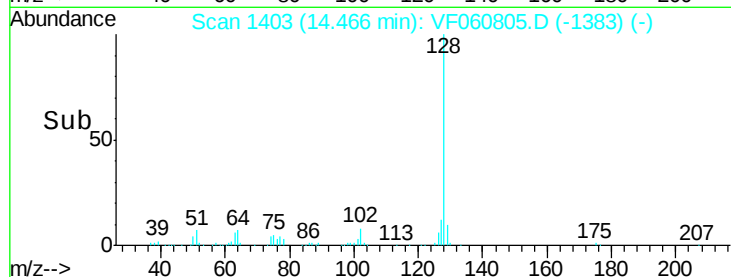
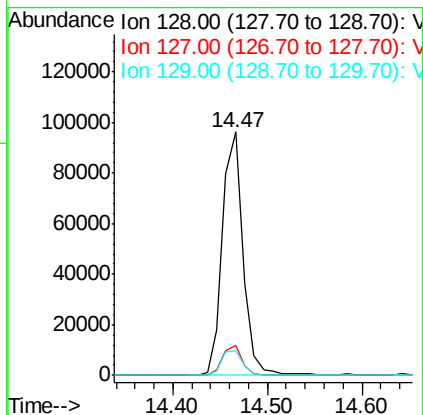
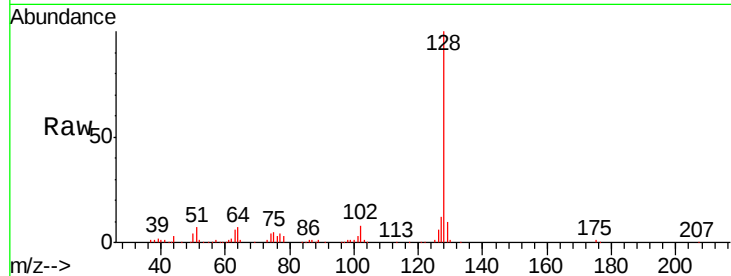




#95
Naphthalene
Concen: 24.35 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. -0.00 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

Instrument :
MSVOA_F
ClientSampleId :
VF1120SBD01

Tgt Ion:128 Resp: 146003
Ion Ratio Lower Upper
128 100
127 12.3 9.8 14.6
129 10.2 9.3 13.9



#96
1,2,3-Trichlorobenzene
Concen: 23.97 ug/l
RT: 14.60 min Scan# 1417
Delta R.T. -0.01 min
Lab File: VF060805.D
Acq: 20 Nov 2018 15:20

Tgt Ion:180 Resp: 72782
Ion Ratio Lower Upper
180 100
182 92.4 49.6 149.0
145 40.6 16.9 50.7

