

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111618\
 Data File : VF060763.D
 Acq On : 16 Nov 2018 14:07
 Operator : VA/AP
 Sample : VF1116SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1116SBS01

Quant Time: Nov 17 04:21:28 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	174472	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.61	114	291524	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.79	117	265962	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	147368	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.86	65	97626	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
35) Dibromofluoromethane	4.13	113	110024	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
50) Toluene-d8	7.57	98	281651	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
62) 4-Bromofluorobenzene	11.42	95	136918	53.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	67101	21.490	ug/l	94
3) Chloromethane	1.10	50	44838	23.155	ug/l	95
4) Vinyl Chloride	1.15	62	37992	21.932	ug/l	97
5) Bromomethane	1.32	94	24658	22.409	ug/l	90
6) Chloroethane	1.38	64	15176	22.392	ug/l	91
7) Trichlorofluoromethane	1.50	101	81471	21.268	ug/l	100
8) Diethyl Ether	1.64	74	10330	21.047	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.83	101	41490	22.984	ug/l	97
10) Methyl Iodide	1.90	142	44663	15.421	ug/l	95
11) Tert butyl alcohol	2.58	59	11209	123.762	ug/l #	84
12) 1,1-Dichloroethene	1.79	96	29935	21.031	ug/l #	74
13) Acrolein	2.01	56	7791	94.081	ug/l	83
14) Allyl chloride	2.11	41	56271	22.566	ug/l	97
15) Acrylonitrile	2.96	53	22805	118.167	ug/l	94
16) Acetone	2.24	43	50167	117.940	ug/l	99
17) Carbon Disulfide	1.83	76	65784	15.291	ug/l	99
18) Methyl Acetate	2.35	43	20039	28.690	ug/l	98
19) Methyl tert-butyl Ether	2.43	73	79948	23.412	ug/l	99
20) Methylene Chloride	2.19	84	18690	10.989	ug/l	90
21) trans-1,2-Dichloroethene	2.31	96	33188	22.317	ug/l	97
22) Diisopropyl ether	2.81	45	106452	22.112	ug/l	96
23) Vinyl Acetate	3.20	43	260201	114.775	ug/l	98
24) 1,1-Dichloroethane	2.89	63	68006	23.332	ug/l	99
25) 2-Butanone	4.35	43	79176	113.166	ug/l	99
26) 2,2-Dichloropropane	3.62	77	49463	21.565	ug/l	97
27) cis-1,2-Dichloroethene	3.49	96	53960	21.329	ug/l	97
28) Bromochloromethane	3.73	49	34818	22.986	ug/l	96
29) Tetrahydrofuran	4.09	42	35280	122.248	ug/l	98
30) Chloroform	3.87	83	91447	19.555	ug/l	100
31) Cyclohexane	3.69	56	75561	21.360	ug/l	91
32) 1,1,1-Trichloroethane	4.11	97	78986	21.448	ug/l	96
36) 1,1-Dichloropropene	4.30	75	68024	20.120	ug/l	97
37) Ethyl Acetate	4.13	43	30964	24.634	ug/l	82
38) Carbon Tetrachloride	4.01	117	65396	19.934	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	87997	22.434	ug/l	98
40) Benzene	4.64	78	162198	21.521	ug/l	99
41) Methacrylonitrile	4.77	41	14860	19.535	ug/l	93
42) 1,2-Dichloroethane	4.96	62	54285	20.843	ug/l	100
43) Isopropyl Acetate	6.97	43	35337	21.203	ug/l #	94
44) Trichloroethene	5.52	130	52769	22.192	ug/l	94
45) 1,2-Dichloropropane	6.25	63	39507	20.145	ug/l #	89
46) Dibromomethane	6.10	93	26220	20.254	ug/l	98
47) Bromodichloromethane	6.41	83	65332	19.762	ug/l	99
48) Methyl methacrylate	6.73	41	23107	20.950	ug/l	96
49) 1,4-Dioxane	6.73	88	3800	368.377	ug/l #	74
51) 4-Methyl-2-Pentanone	8.27	43	130733	108.460	ug/l	97
52) Toluene	7.64	92	101926	20.181	ug/l	88
53) t-1,3-Dichloropropene	8.29	75	52929	19.990	ug/l	91
54) cis-1,3-Dichloropropene	7.32	75	68852	20.019	ug/l	96
55) 1,1,2-Trichloroethane	8.51	97	27650	19.161	ug/l	94
56) Ethyl methacrylate	8.64	69	31175	19.023	ug/l	99
57) 1,3-Dichloropropane	8.86	76	51922	20.762	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.64	63	15787	105.453	ug/l	100
59) 2-Hexanone	9.51	43	87614	103.429	ug/l	99
60) Dibromochloromethane	8.74	129	42891	20.855	ug/l	97
61) 1,2-Dibromoethane	9.00	107	29810	19.643	ug/l	95
64) Tetrachloroethene	8.17	164	43370	20.592	ug/l	94
65) Chlorobenzene	9.81	112	109639	20.429	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.95	131	47163	20.148	ug/l	98
67) Ethyl Benzene	9.92	91	208628	20.623	ug/l	98
68) m/p-Xylenes	10.15	106	152943	42.304	ug/l	92
69) o-Xylene	10.73	106	81660	20.090	ug/l	100
70) Styrene	10.81	104	116417	21.104	ug/l	100
71) Bromoform	10.79	173	21339	20.272	ug/l #	99
73) Isopropylbenzene	11.13	105	250318	21.102	ug/l	95
74) N-amyl acetate	11.38	43	56595	20.958	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.70	83	41986	21.409	ug/l	94
76) 1,2,3-Trichloropropane	11.80	75	30207	20.739	ug/l	94
77) Bromobenzene	11.51	156	54014	21.876	ug/l	96
78) n-propylbenzene	11.61	91	287424	20.776	ug/l	97
79) 2-Chlorotoluene	11.73	91	169419	21.070	ug/l	99
80) 1,3,5-Trimethylbenzene	11.83	105	208831	22.175	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.88	75	19965	27.901	ug/l	95
82) 4-Chlorotoluene	11.91	91	167759	20.366	ug/l	99
83) tert-Butylbenzene	12.14	119	218588	21.861	ug/l	98
84) 1,2,4-Trimethylbenzene	12.22	105	201304	20.668	ug/l	94
85) sec-Butylbenzene	12.32	105	279957	20.640	ug/l	98
86) p-Isopropyltoluene	12.47	119	236542	20.880	ug/l	96
87) 1,3-Dichlorobenzene	12.48	146	103452	21.054	ug/l	96
88) 1,4-Dichlorobenzene	12.57	146	99340	21.035	ug/l	93
89) n-Butylbenzene	12.86	91	247632	21.419	ug/l	94
90) Hexachloroethane	12.93	117	57359	20.701	ug/l	94
91) 1,2-Dichlorobenzene	12.96	146	99255	21.453	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.66	75	7309	19.829	ug/l	70

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Quant Title : SW846 8260
QLast Update : Wed Nov 14 03:11:14 2018
Response via : Initial Calibration

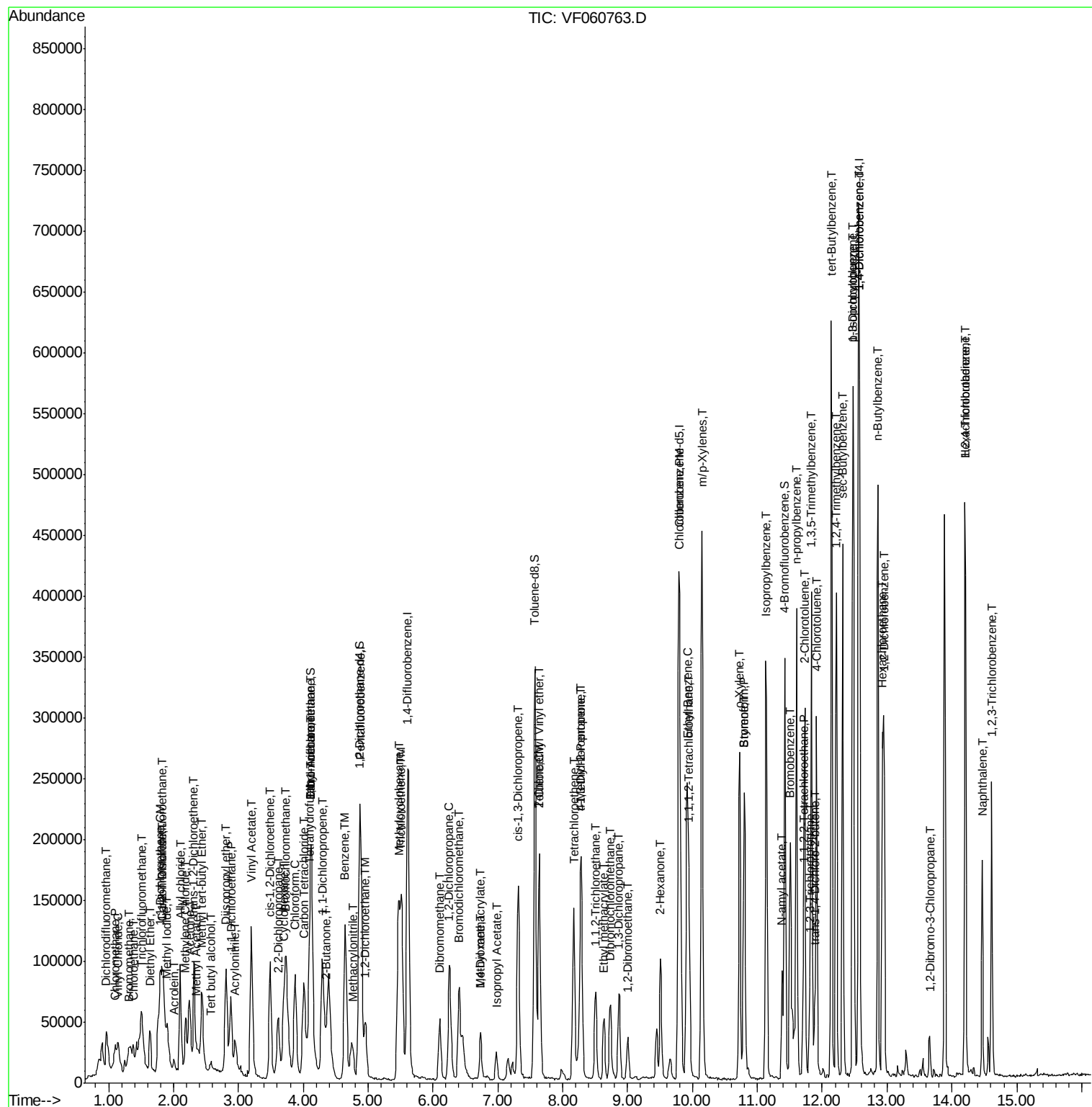
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	72310	21.745	ug/l	93
94) Hexachlorobutadiene	14.20	225	44219	20.349	ug/l	96
95) Naphthalene	14.47	128	119073	19.624	ug/l	100
96) 1,2,3-Trichlorobenzene	14.61	180	63899	20.795	ug/l	97

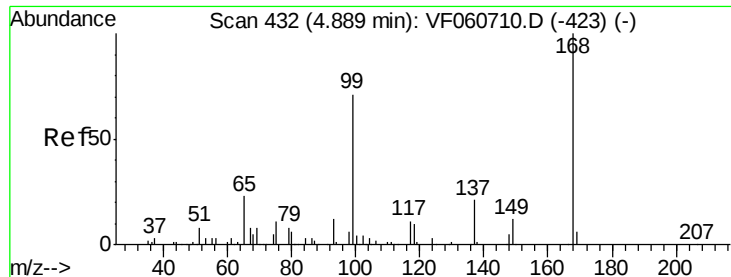
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.01 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

ClientSampleId :

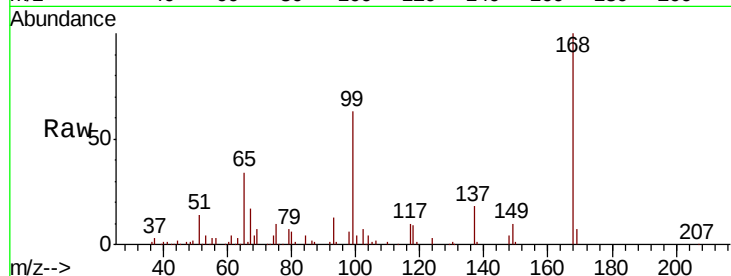
VF1116SBS01

Tot Ion:168 Resp: 174472

Ion Ratio Lower Upper

168 100

99 63.2 57.2 85.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

60000

50000

40000

30000

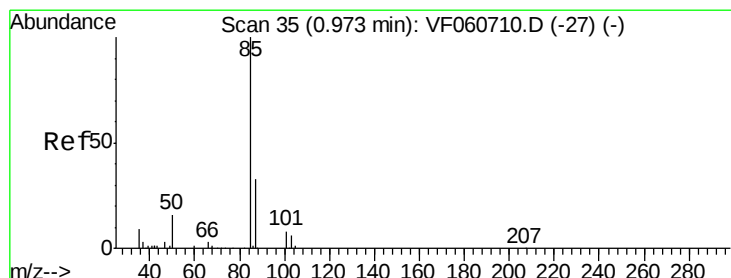
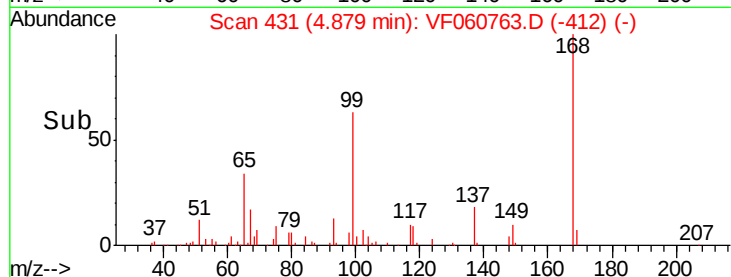
20000

10000

0

4.80 4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.490 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060763.D

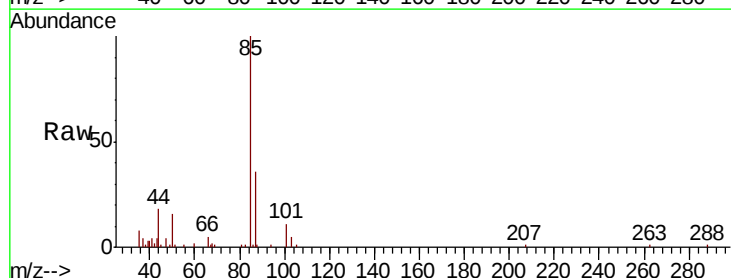
Acq: 16 Nov 2018 14:07

Tgt Ion: 85 Resp: 67101

Ion Ratio Lower Upper

85 100

87 36.2 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

20000

15000

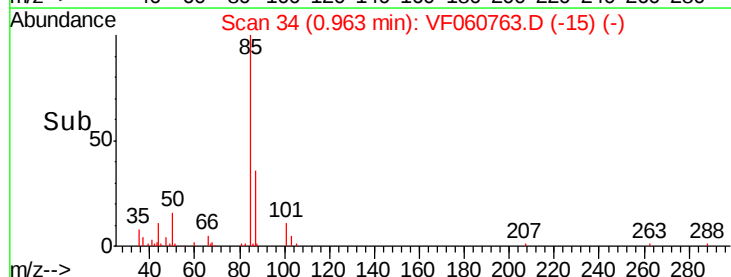
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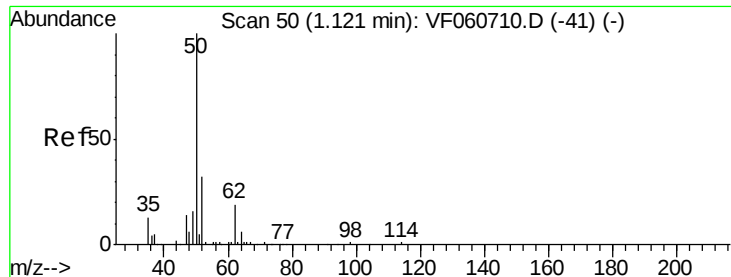
5000

0

0.80 0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 23.155 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.02 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

ClientSampleId :

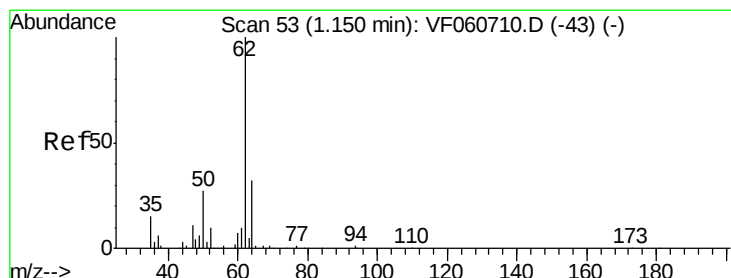
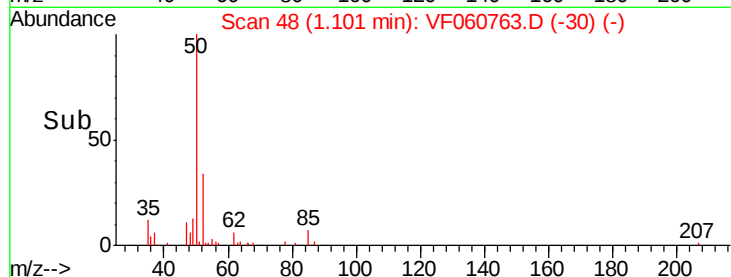
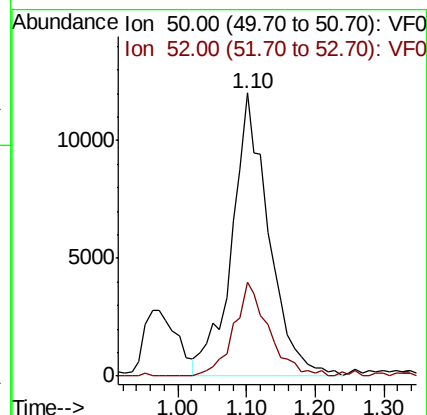
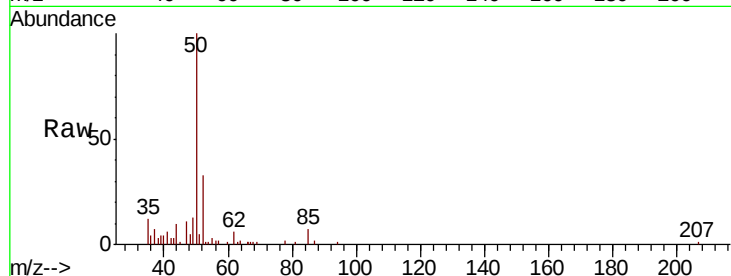
VF1116SBS01

Tot Ion: 50 Resp: 44838

Ion Ratio Lower Upper

50 100

52 33.2 24.2 36.2



#4

Vinyl Chloride

Concen: 21.932 ug/l

RT: 1.15 min Scan# 53

Delta R.T. -0.00 min

Lab File: VF060763.D

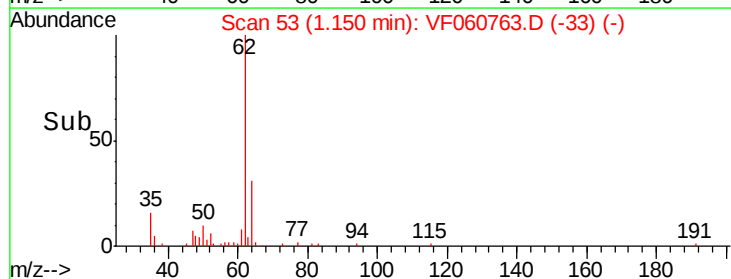
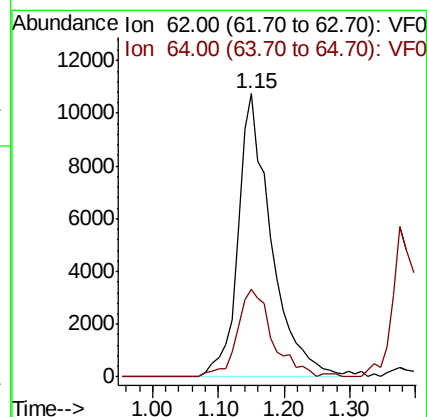
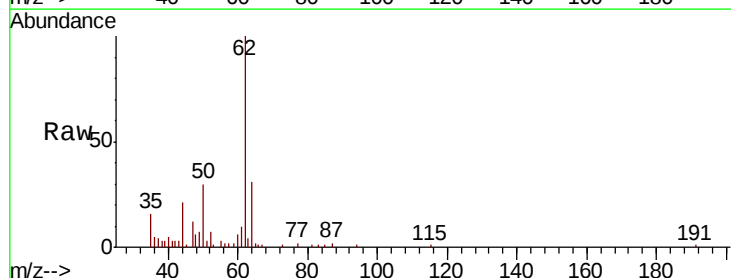
Acq: 16 Nov 2018 14:07

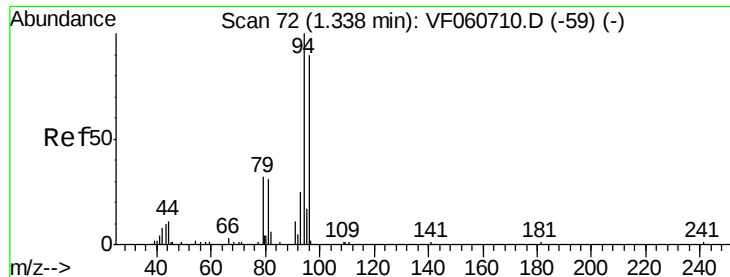
Tgt Ion: 62 Resp: 37992

Ion Ratio Lower Upper

62 100

64 30.9 25.8 38.8





#5

Bromomethane

Concen: 22.409 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.02 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

ClientSampleId :

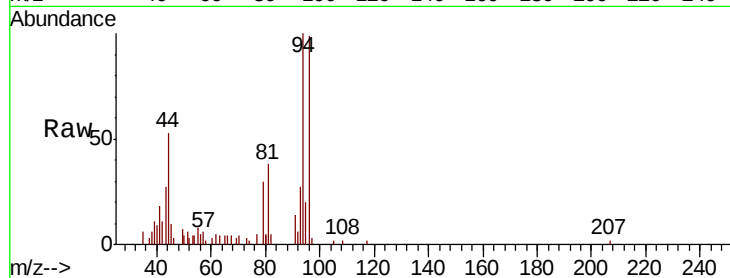
VF1116SBS01

Tot Ion: 94 Resp: 24658

Ion Ratio Lower Upper

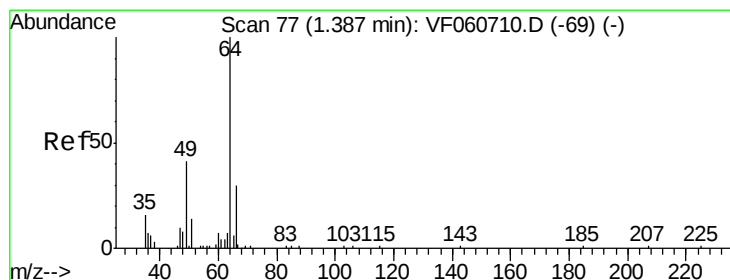
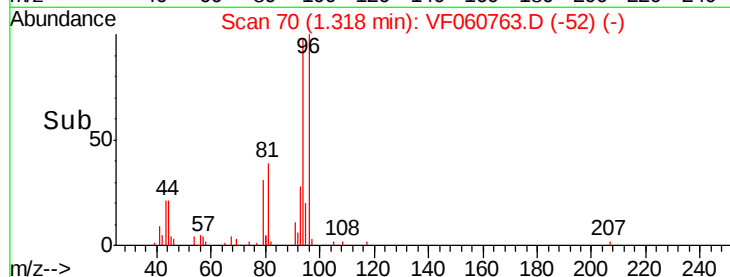
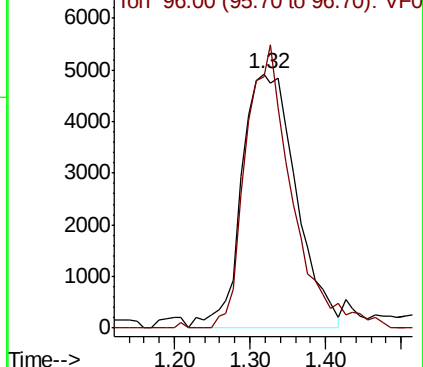
94 100

96 99.0 71.9 107.9



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 22.392 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF060763.D

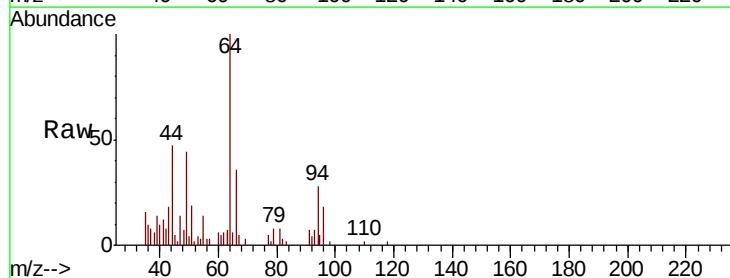
Acq: 16 Nov 2018 14:07

Tgt Ion: 64 Resp: 15176

Ion Ratio Lower Upper

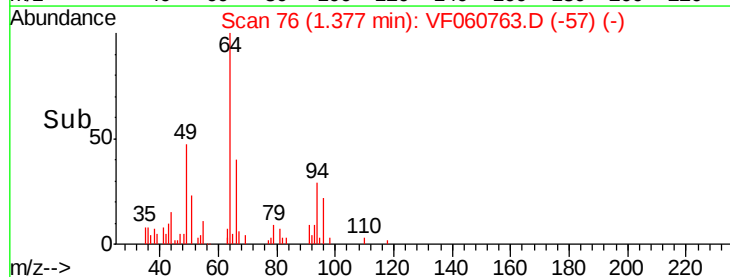
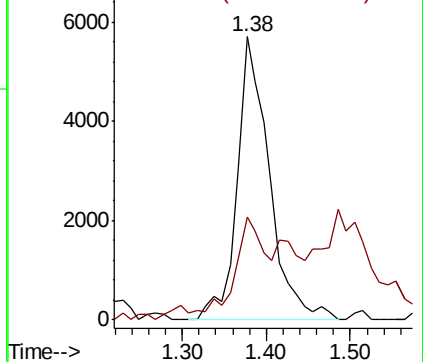
64 100

66 36.1 24.8 37.2



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 21.268 ug/l

RT: 1.50 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

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ClientSampleId :

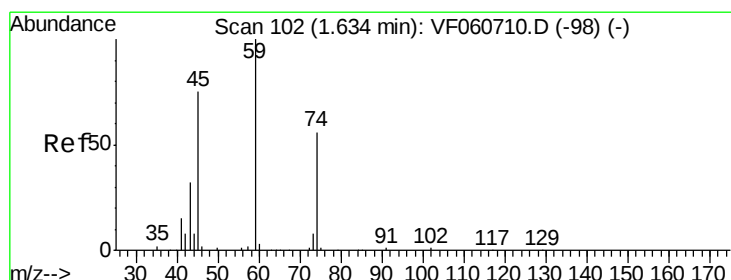
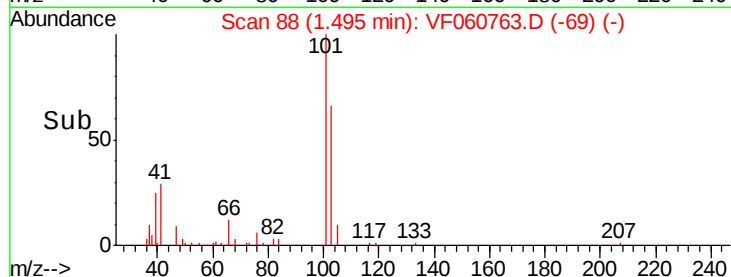
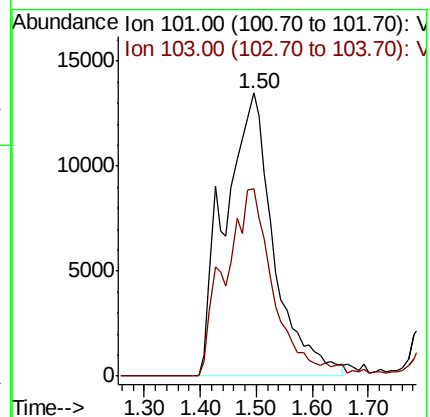
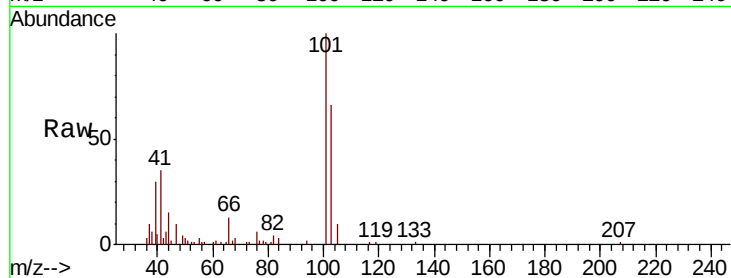
VF1116SBS01

Tot Ion:101 Resp: 81471

Ion Ratio Lower Upper

101 100

103 66.2 53.1 79.7



#8

Diethyl Ether

Concen: 21.047 ug/l

RT: 1.64 min Scan# 103

Delta R.T. 0.01 min

Lab File: VF060763.D

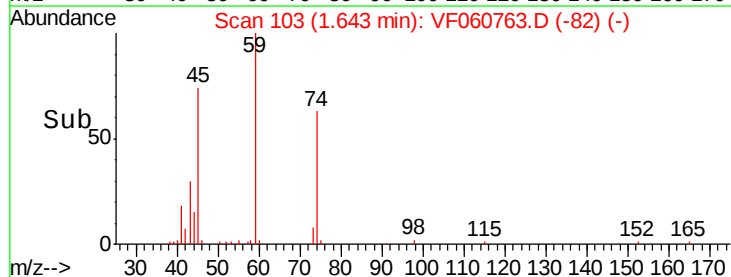
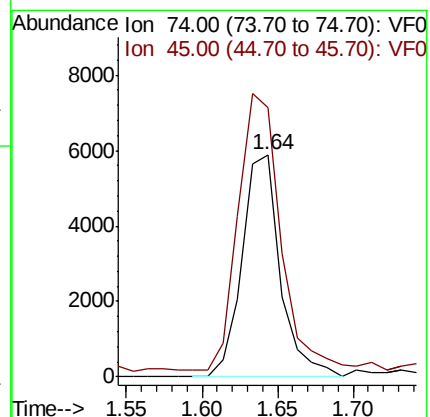
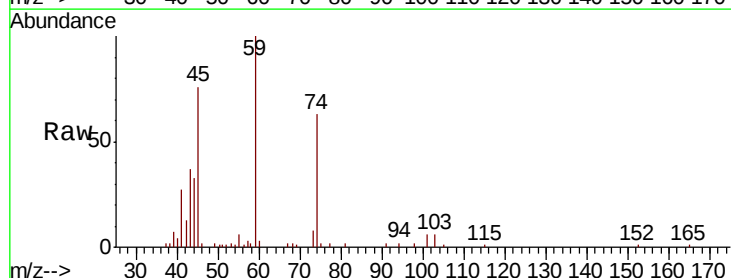
Acq: 16 Nov 2018 14:07

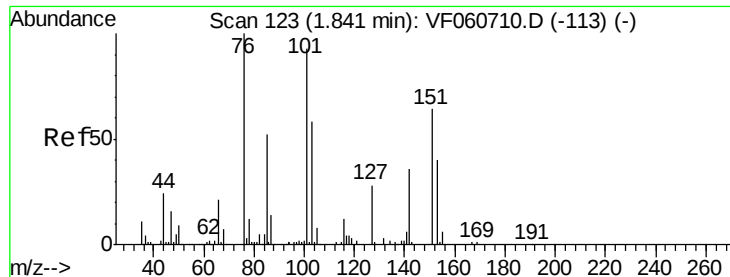
Tgt Ion: 74 Resp: 10330

Ion Ratio Lower Upper

74 100

45 121.2 67.7 203.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.984 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

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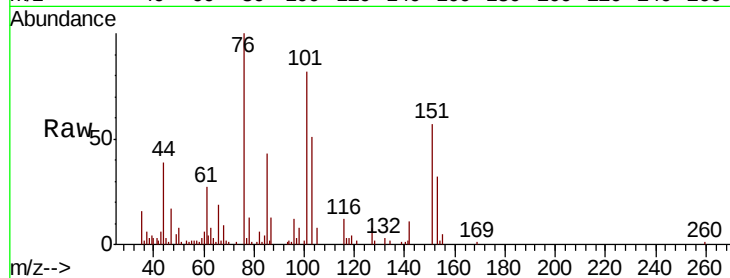
Tot Ion:101 Resp: 41490

Ion Ratio Lower Upper

101 100

85 52.5 43.6 65.4

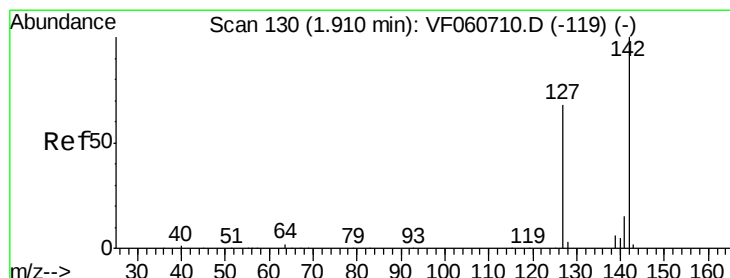
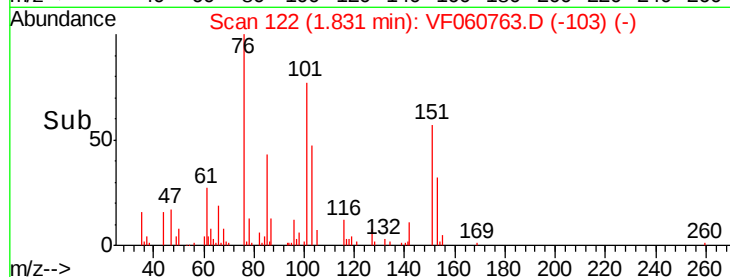
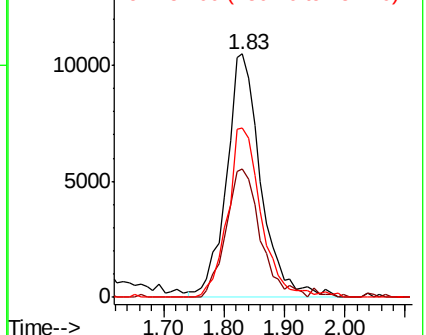
151 69.7 53.1 79.7



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: 15.421 ug/l

RT: 1.90 min Scan# 129

Delta R.T. -0.01 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

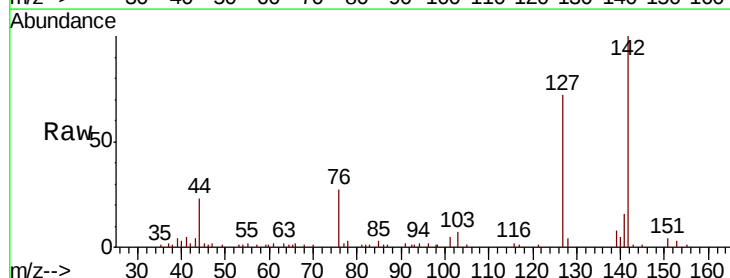
Tgt Ion:142 Resp: 44663

Ion Ratio Lower Upper

142 100

127 72.0 54.0 81.0

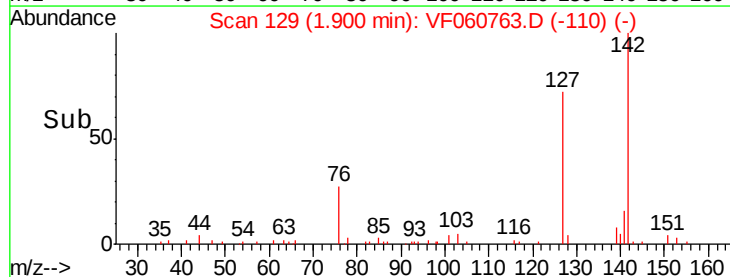
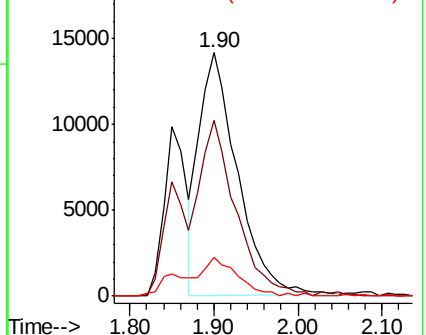
141 16.0 12.3 18.5

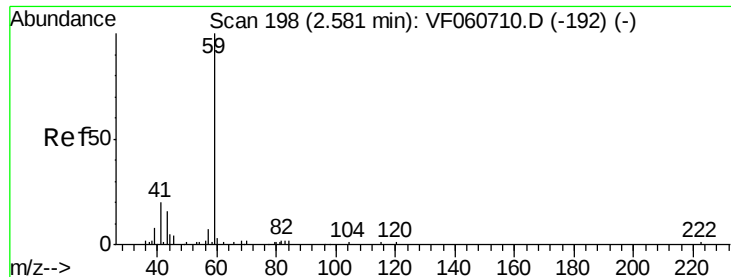


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



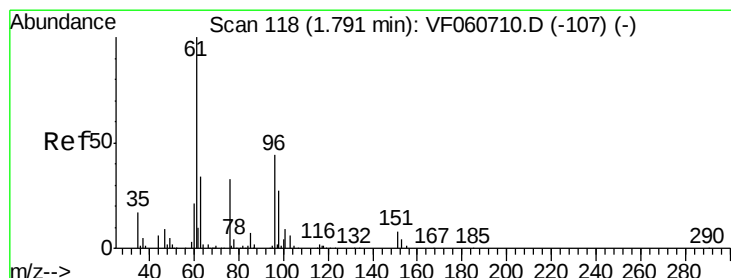
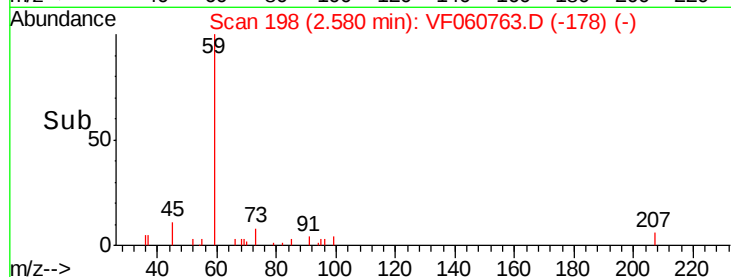
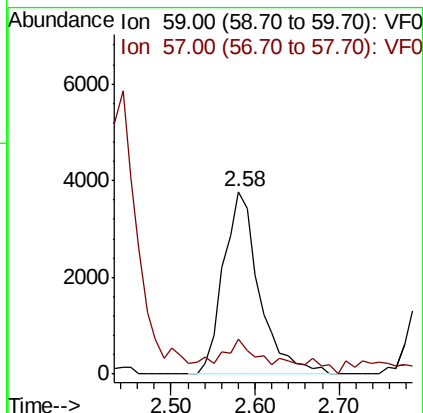
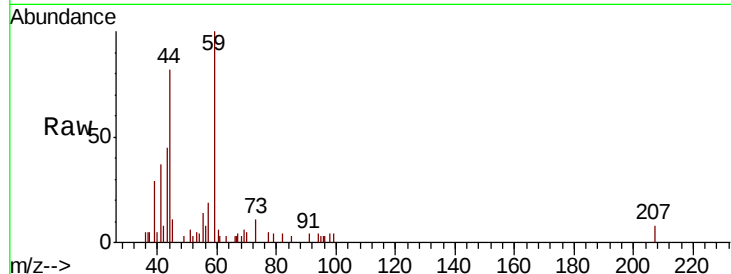


#11

Tert butyl alcohol
 Concen: 123.762 ug/l
 RT: 2.58 min Scan# 198
 Delta R.T. -0.00 min
 Lab File: VF060763.D
 Acq: 16 Nov 2018 14:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1116SBS01

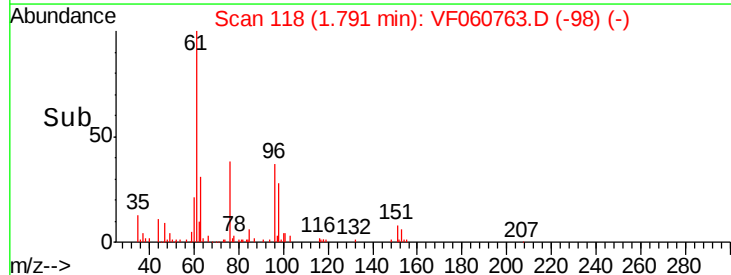
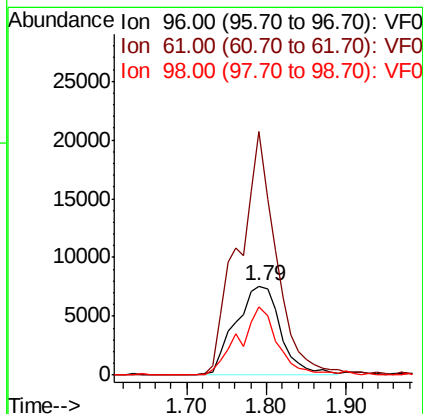
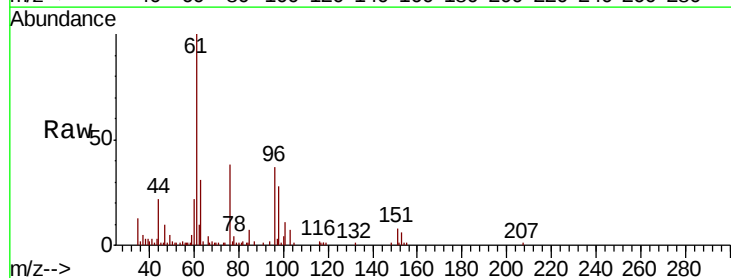
Tot Ion: 59 Resp: 11209
 Ion Ratio Lower Upper
 59 100
 57 19.5 10.5 15.7#

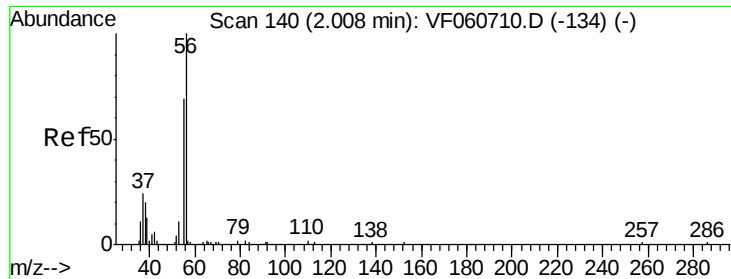


#12

1,1-Dichloroethene
 Concen: 21.031 ug/l
 RT: 1.79 min Scan# 118
 Delta R.T. -0.00 min
 Lab File: VF060763.D
 Acq: 16 Nov 2018 14:07

Tgt Ion: 96 Resp: 29935
 Ion Ratio Lower Upper
 96 100
 61 273.6 182.2 273.2#
 98 77.4 49.2 73.8#





#13

Acrolein

Concen: 94.081 ug/l

RT: 2.01 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

ClientSampleId :

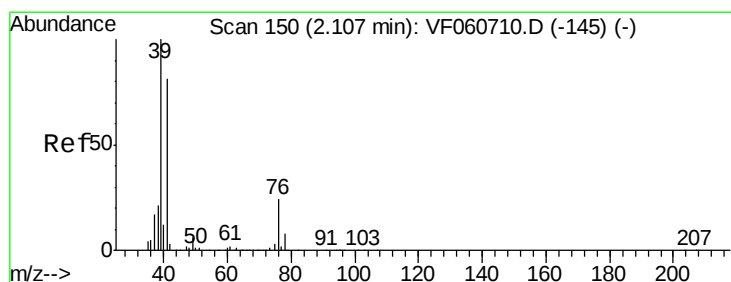
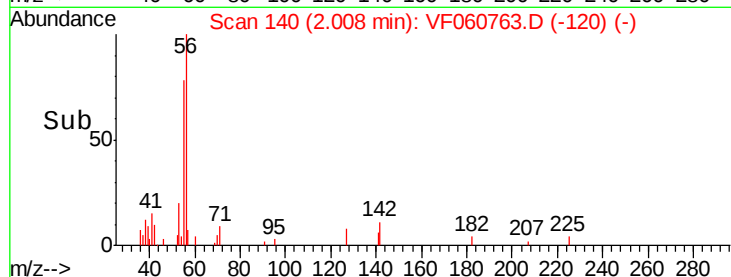
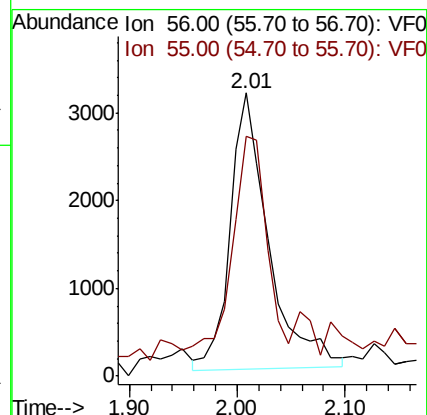
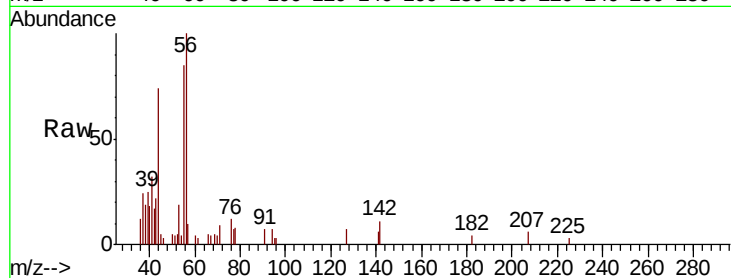
VF1116SBS01

Tot Ion: 56 Resp: 7791

Ion Ratio Lower Upper

56 100

55 84.8 56.6 85.0



#14

Allyl chloride

Concen: 22.566 ug/l

RT: 2.11 min Scan# 150

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

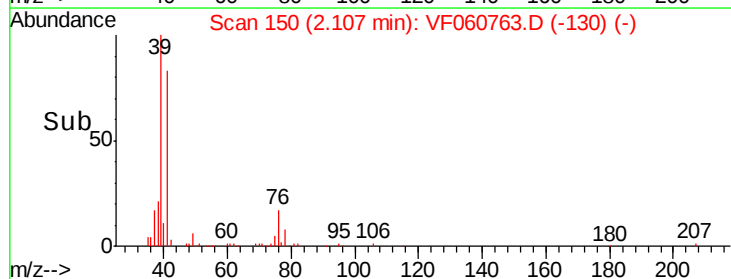
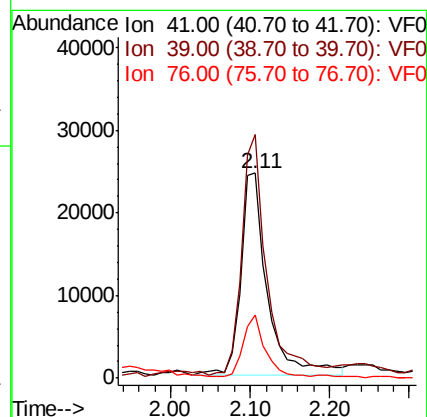
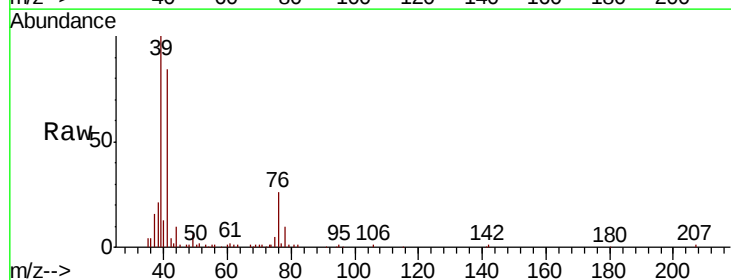
Tgt Ion: 41 Resp: 56271

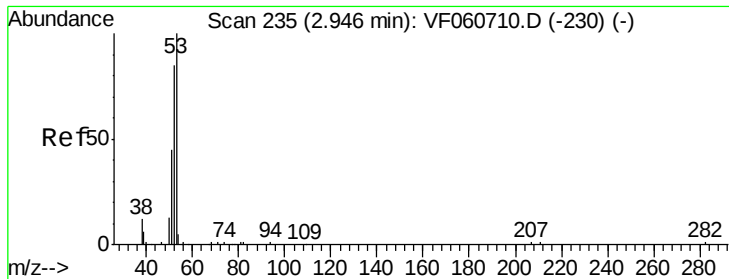
Ion Ratio Lower Upper

41 100

39 118.9 98.5 147.7

76 30.5 24.5 36.7





#15

Acrylonitrile

Concen: 118.167 ug/l

RT: 2.96 min Scan# 236

Delta R.T. 0.01 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

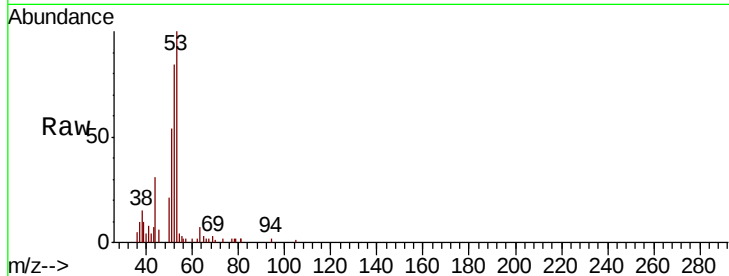
Tot Ion: 53 Resp: 22805

Ion Ratio Lower Upper

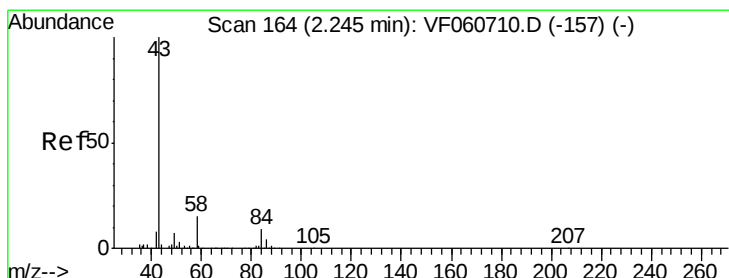
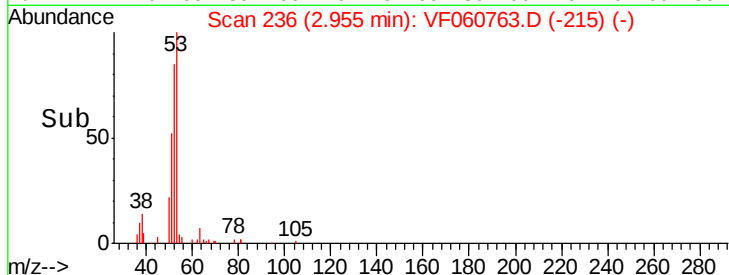
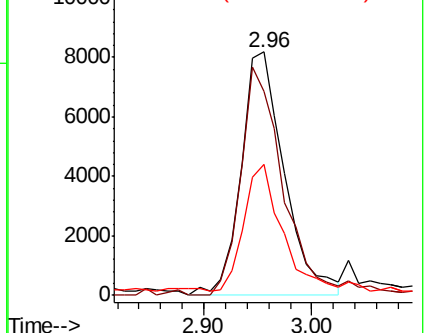
53 100

52 84.0 68.8 103.2

51 53.8 36.7 55.1



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



#16

Acetone

Concen: 117.940 ug/l

RT: 2.24 min Scan# 164

Delta R.T. -0.00 min

Lab File: VF060763.D

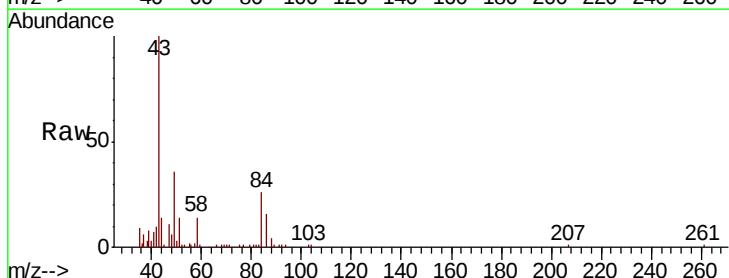
Acq: 16 Nov 2018 14:07

Tgt Ion: 43 Resp: 50167

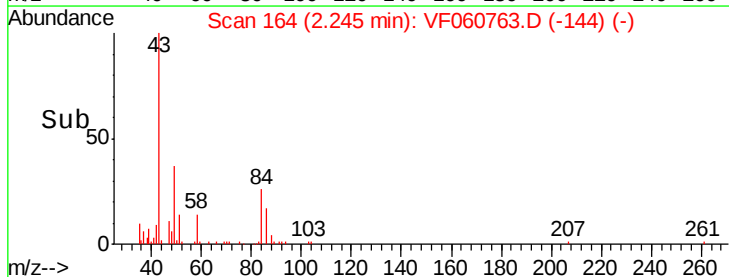
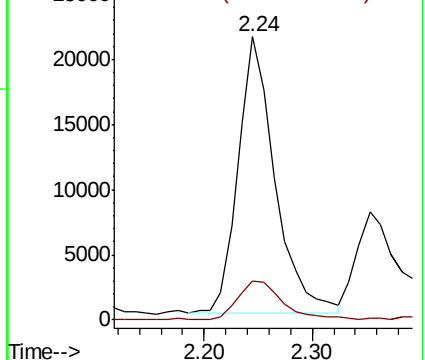
Ion Ratio Lower Upper

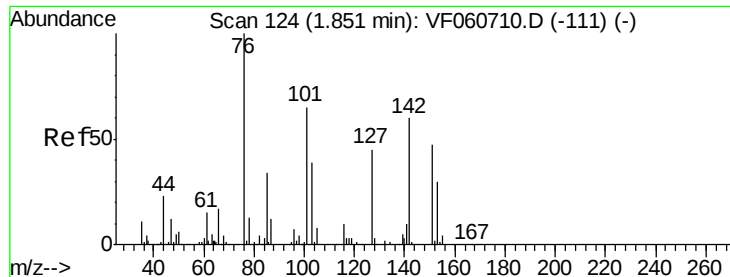
43 100

58 13.9 11.6 17.4



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

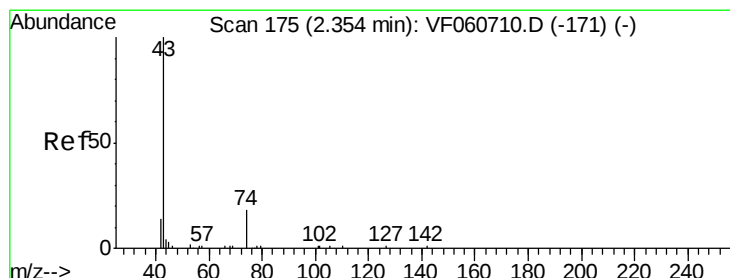
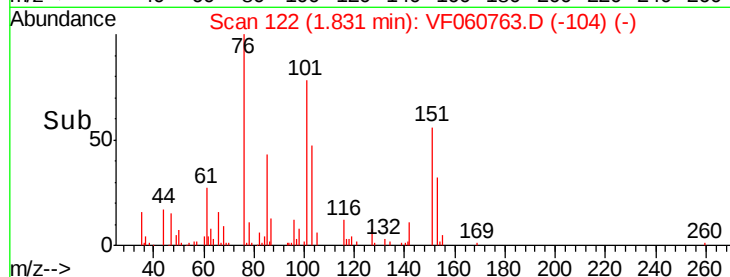
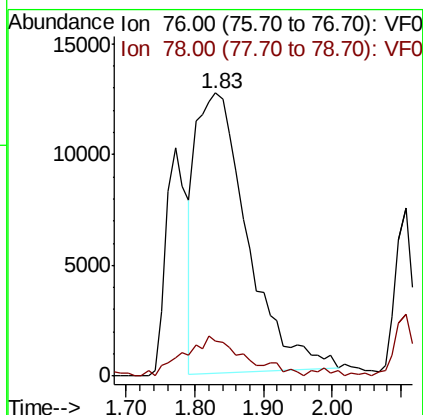
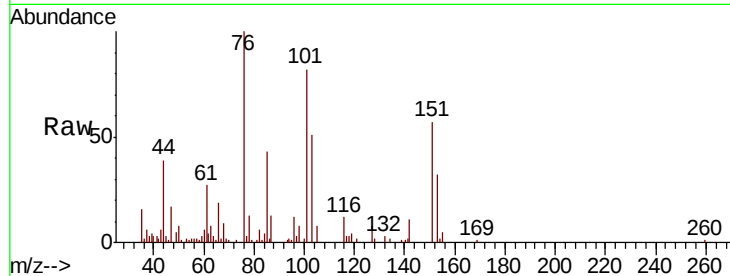




#17
Carbon Disulfide
Concen: 15.291 ug/l
RT: 1.83 min Scan# 122
Delta R.T. -0.02 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

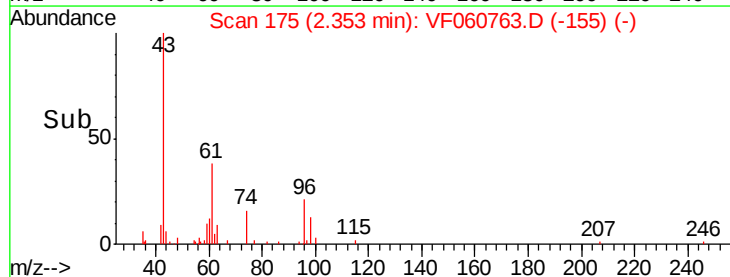
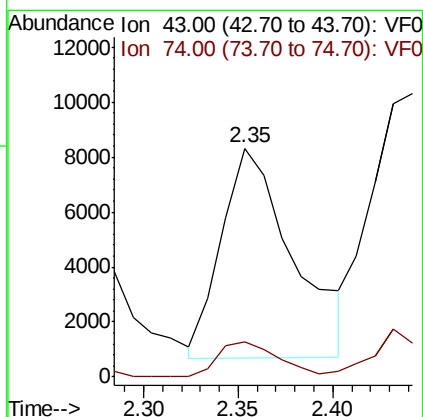
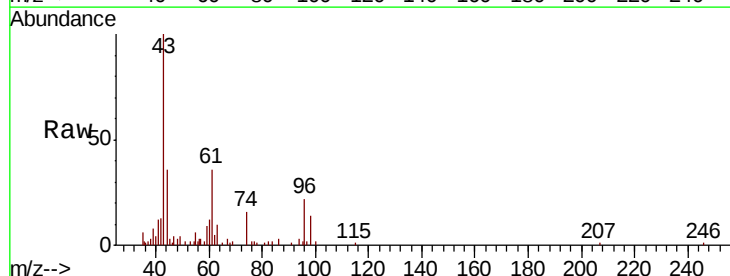
Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

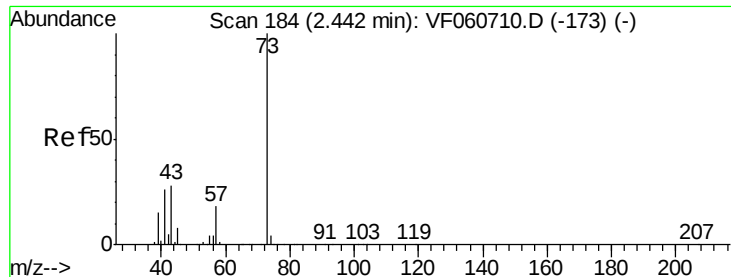
Tot Ion: 76 Resp: 65784
Ion Ratio Lower Upper
76 100
78 12.6 10.5 15.7



#18
Methyl Acetate
Concen: 28.690 ug/l
RT: 2.35 min Scan# 175
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Tgt Ion: 43 Resp: 20039
Ion Ratio Lower Upper
43 100
74 15.5 11.8 17.8



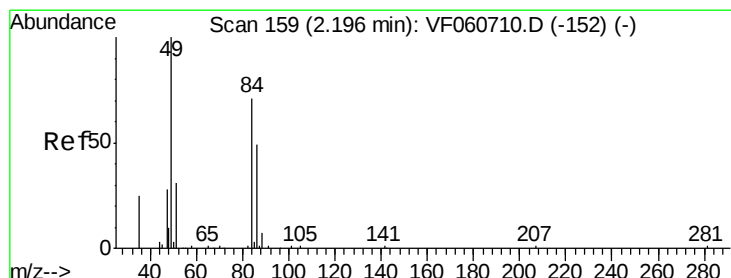
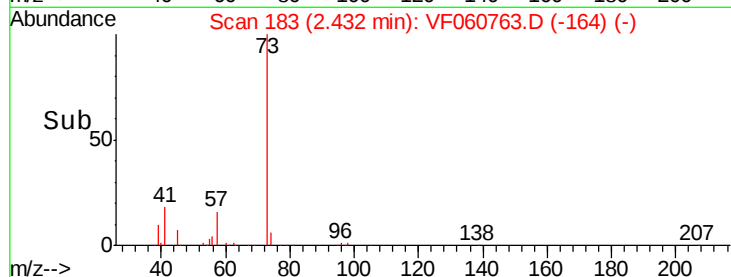
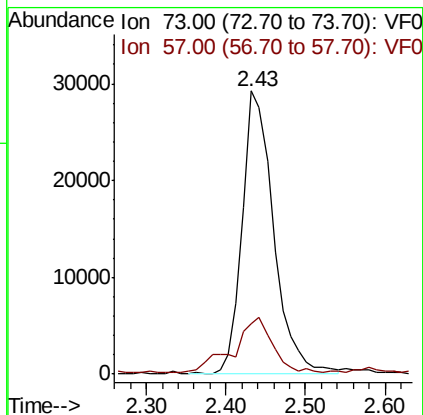
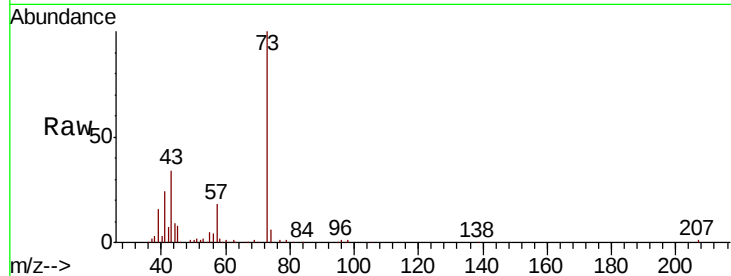


#19

Methyl tert-butyl Ether
 Concen: 23.412 ug/l
 RT: 2.43 min Scan# 183
 Delta R.T. -0.01 min
 Lab File: VF060763.D
 Acq: 16 Nov 2018 14:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1116SBS01

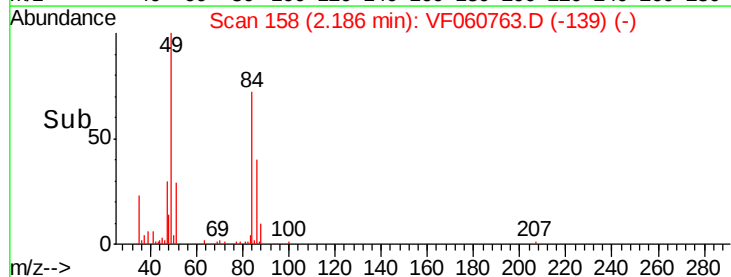
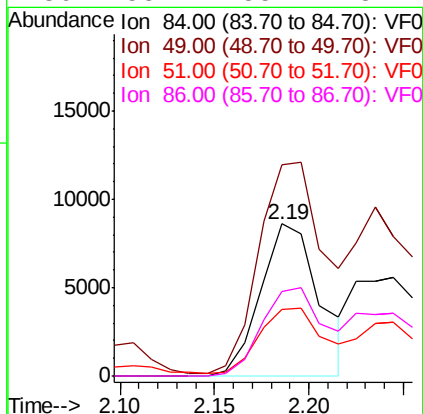
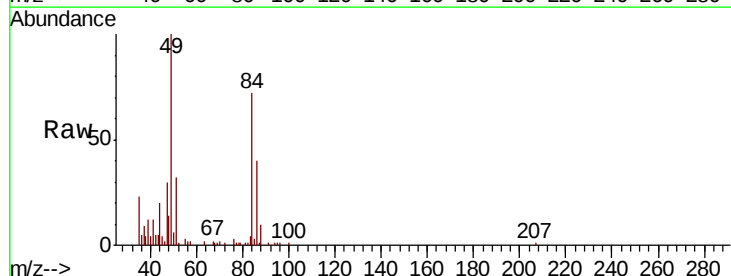
Tot Ion: 73 Resp: 79948
 Ion Ratio Lower Upper
 73 100
 57 17.7 14.3 21.5

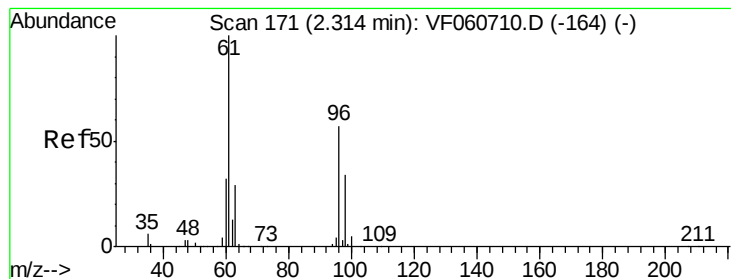


#20

Methylene Chloride
 Concen: 10.989 ug/l
 RT: 2.19 min Scan# 158
 Delta R.T. -0.01 min
 Lab File: VF060763.D
 Acq: 16 Nov 2018 14:07

Tgt Ion: 84 Resp: 18690
 Ion Ratio Lower Upper
 84 100
 49 139.4 120.2 180.4
 51 44.2 37.2 55.8
 86 55.4 55.1 82.7





#21

trans-1,2-Dichloroethene

Concen: 22.317 ug/l

RT: 2.31 min Scan# 171

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

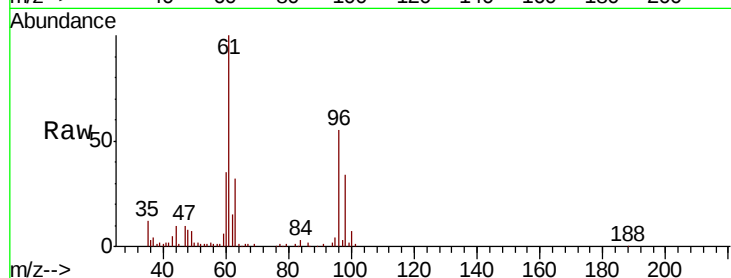
Tot Ion: 96 Resp: 33188

Ion Ratio Lower Upper

96 100

61 180.6 141.6 212.4

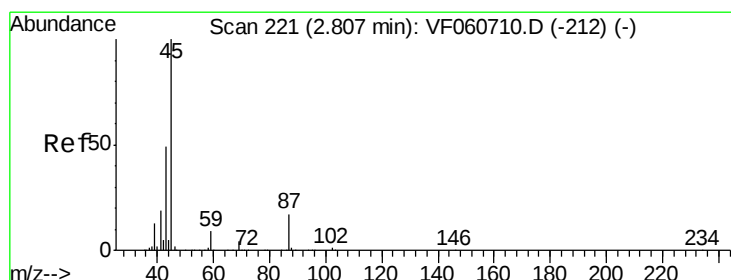
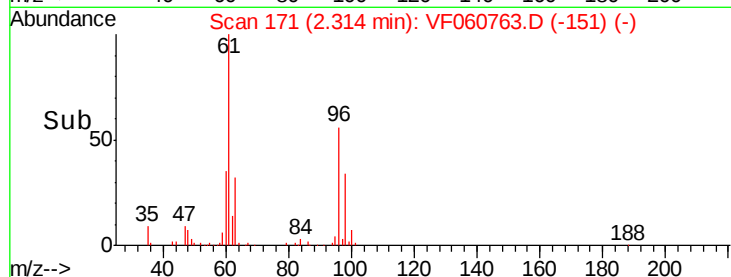
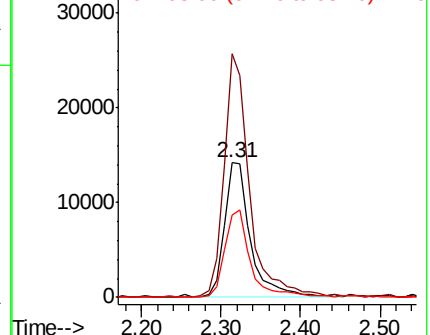
98 61.3 47.4 71.0



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 22.112 ug/l

RT: 2.81 min Scan# 221

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Tgt Ion: 45 Resp: 106452

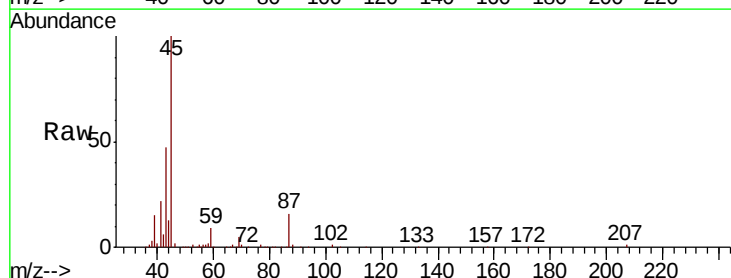
Ion Ratio Lower Upper

45 100

43 46.8 39.9 59.9

87 16.4 13.9 20.9

59 9.4 7.1 10.7

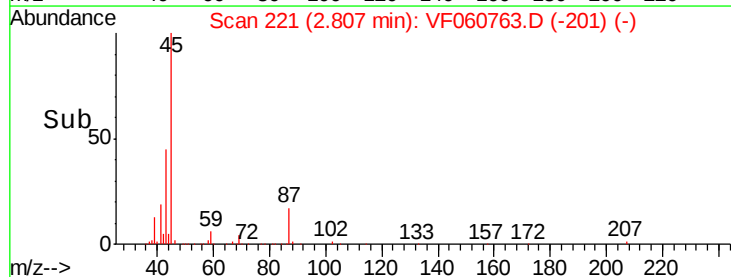
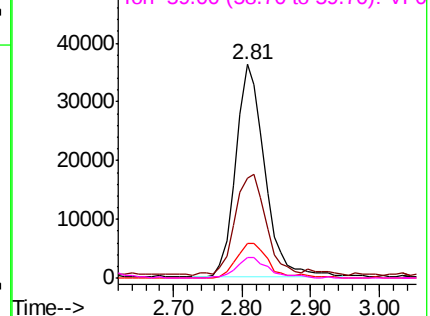


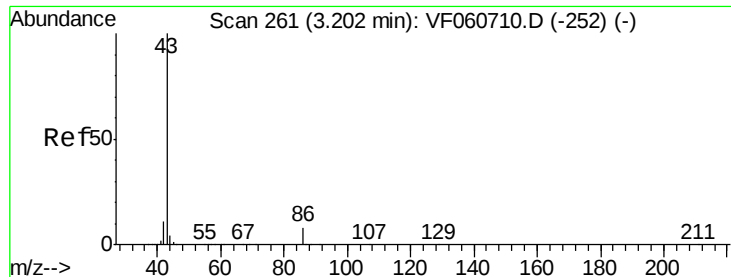
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 114.775 ug/l

RT: 3.20 min Scan# 261

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

ClientSampleId :

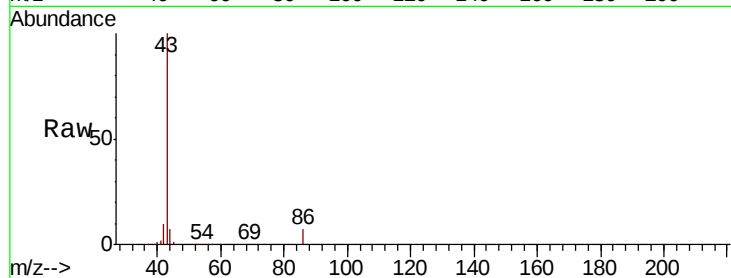
VF1116SBS01

Tot Ion: 43 Resp: 260201

Ion Ratio Lower Upper

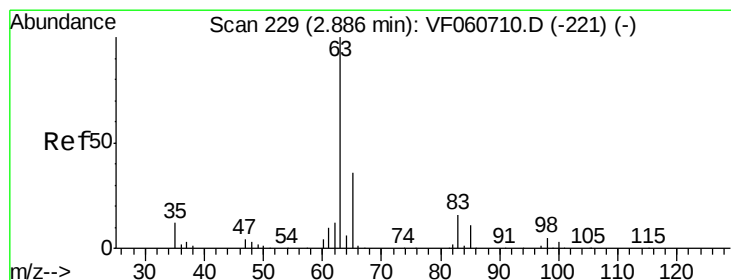
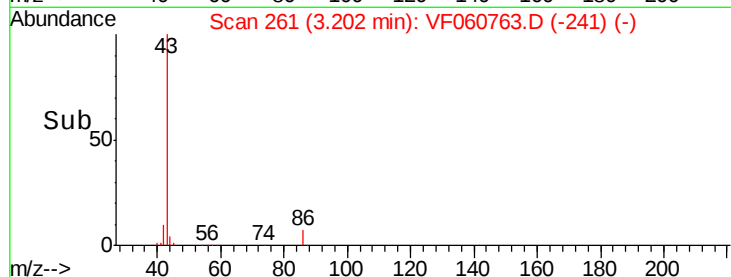
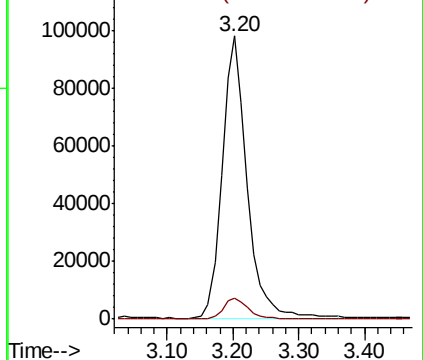
43 100

86 7.5 6.4 9.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 23.332 ug/l

RT: 2.89 min Scan# 229

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

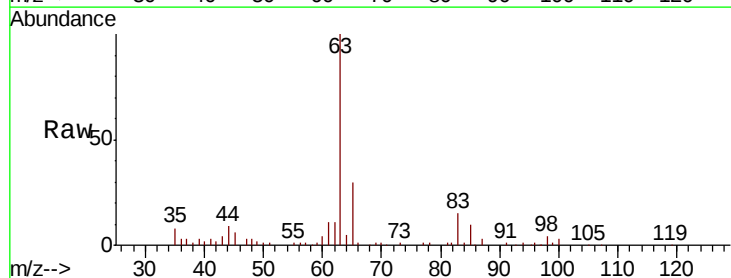
Tgt Ion: 63 Resp: 68006

Ion Ratio Lower Upper

63 100

98 4.2 2.4 7.1

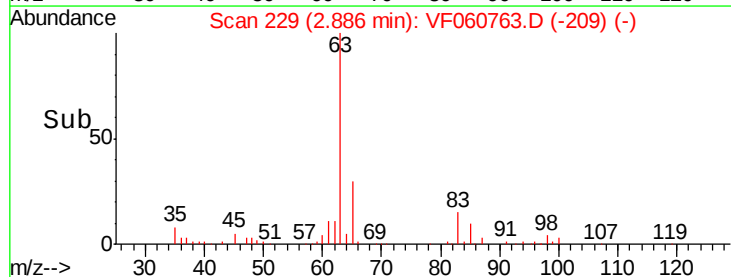
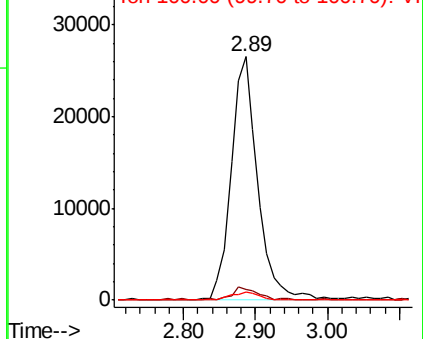
100 3.1 1.4 4.2

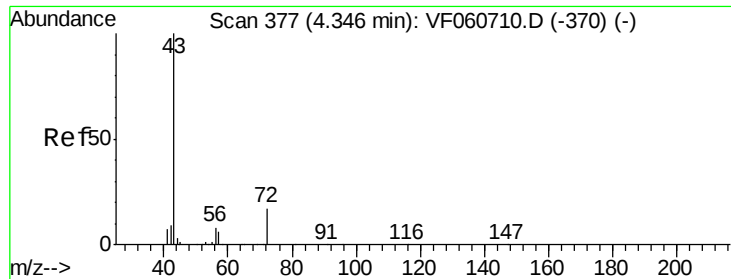


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 113.166 ug/l

RT: 4.35 min Scan# 377

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

ClientSampleId :

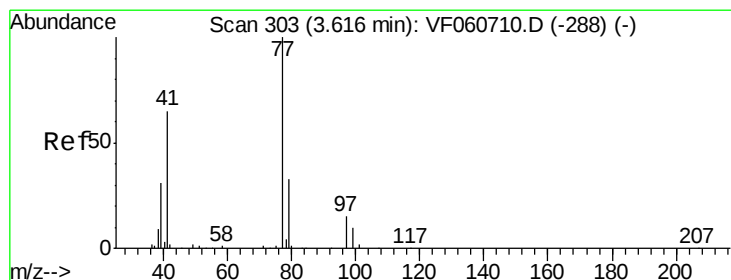
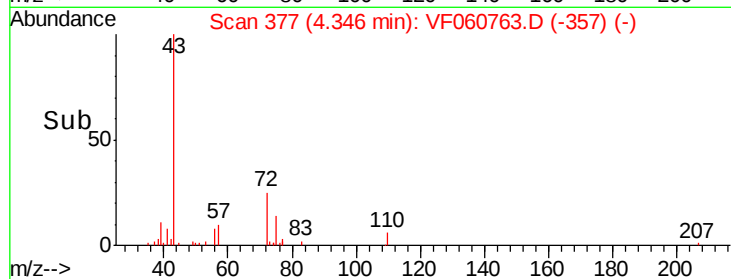
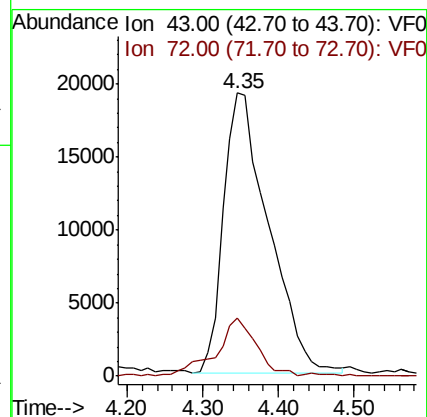
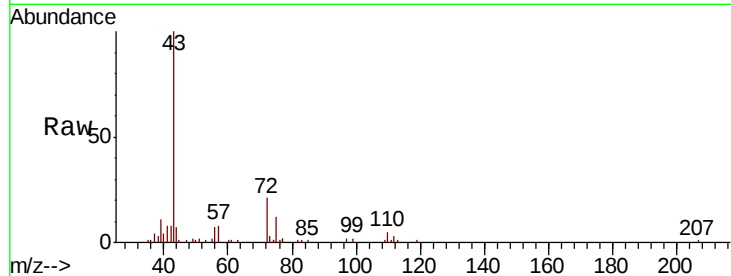
VF1116SBS01

Tot Ion: 43 Resp: 79176

Ion Ratio Lower Upper

43 100

72 20.7 16.1 24.1



#26

2,2-Dichloropropane

Concen: 21.565 ug/l

RT: 3.62 min Scan# 303

Delta R.T. -0.00 min

Lab File: VF060763.D

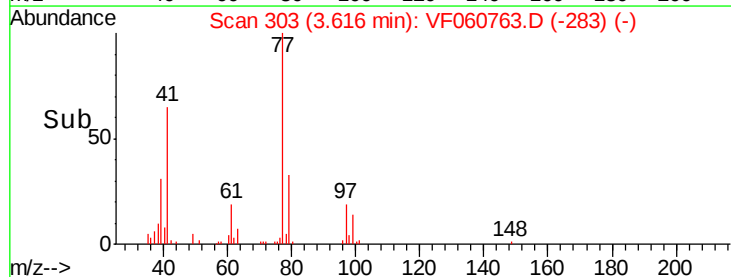
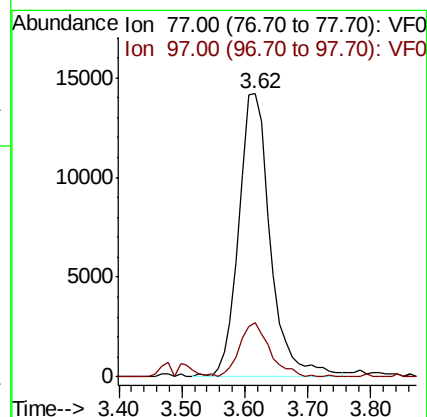
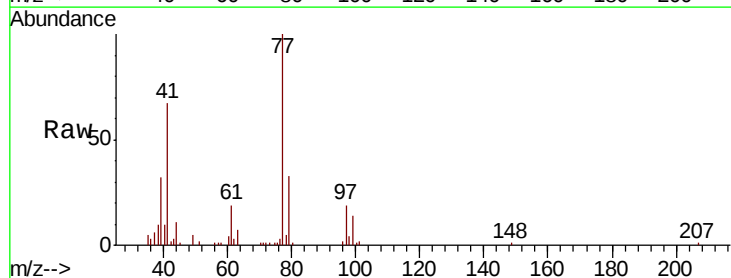
Acq: 16 Nov 2018 14:07

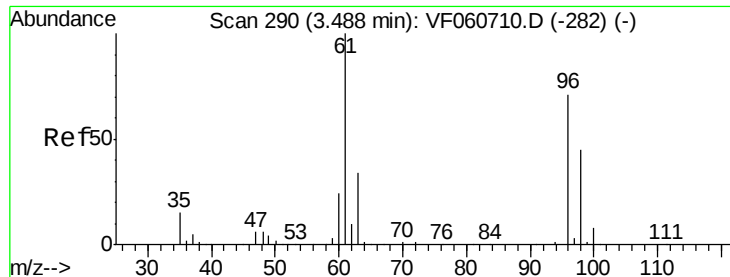
Tgt Ion: 77 Resp: 49463

Ion Ratio Lower Upper

77 100

97 19.0 8.8 26.5



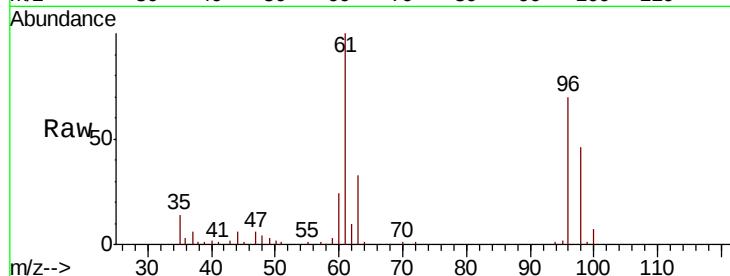


#27

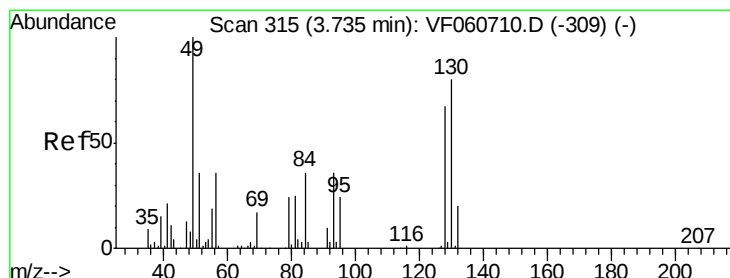
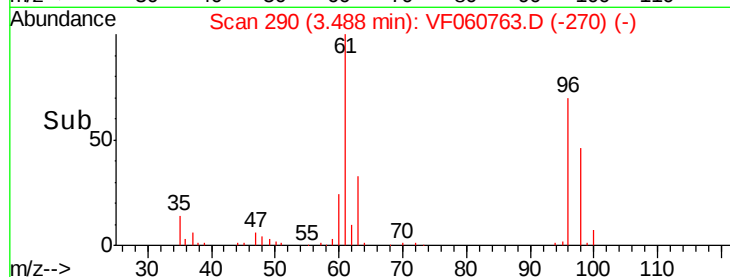
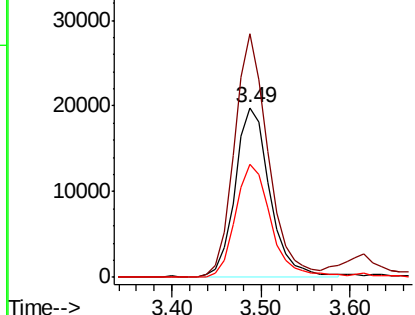
cis-1,2-Dichloroethene
 Concen: 21.329 ug/l
 RT: 3.49 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VF060763.D
 Acq: 16 Nov 2018 14:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1116SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.5	0.0	280.6
98	66.3	0.0	127.6



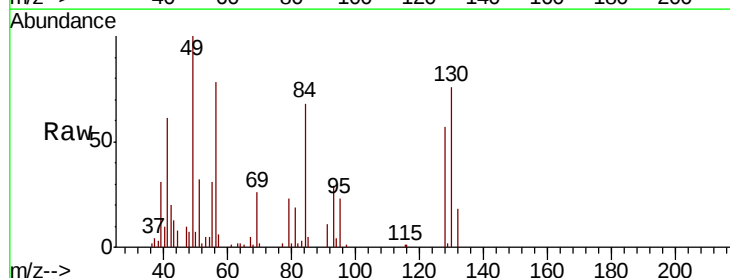
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



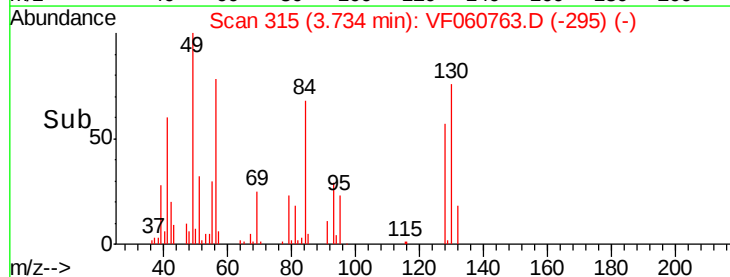
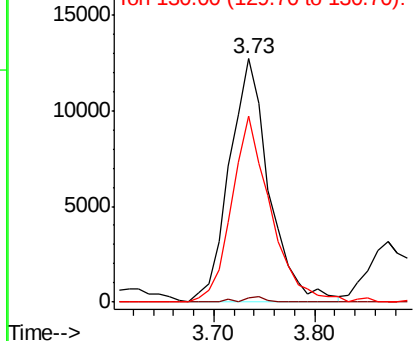
#28

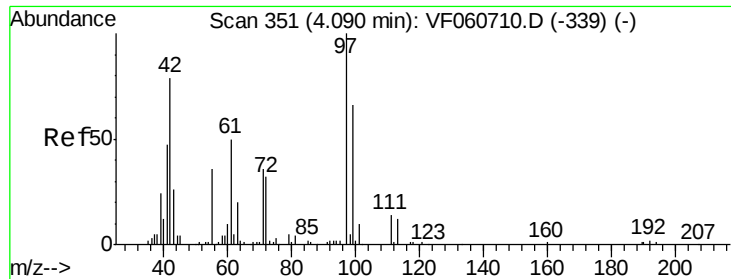
Bromochloromethane
 Concen: 22.986 ug/l
 RT: 3.73 min Scan# 315
 Delta R.T. -0.00 min
 Lab File: VF060763.D
 Acq: 16 Nov 2018 14:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	5.2
130	76.5	63.9	95.9



Abundance Ion 49.00 (48.70 to 49.70): VF0
 Ion 129.00 (128.70 to 129.70): V
 Ion 130.00 (129.70 to 130.70): V

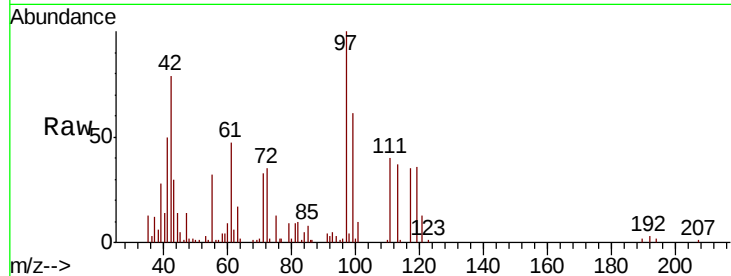




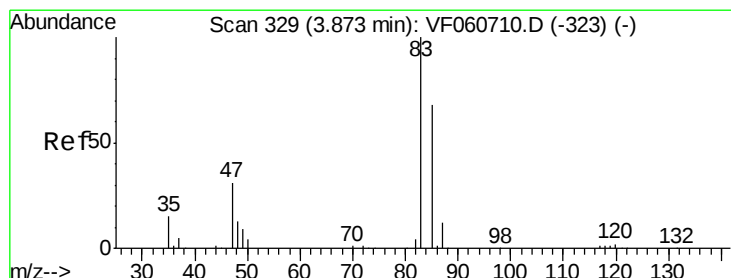
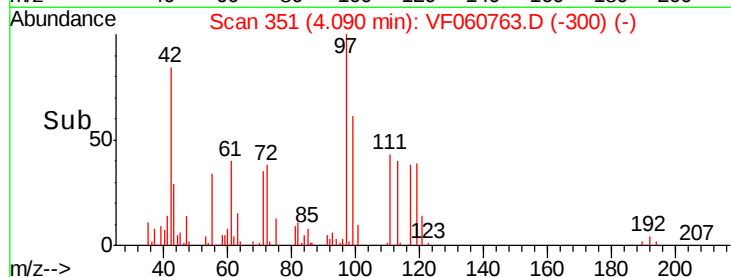
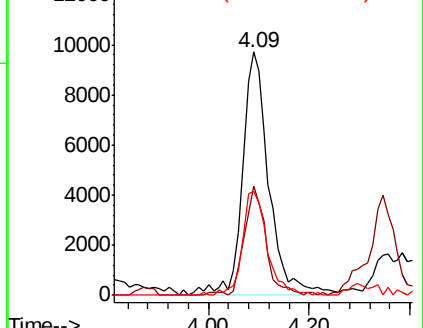
#29
Tetrahydrofuran
Concen: 122.248 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

Tot Ion: 42 Resp: 35280
Ion Ratio Lower Upper
42 100
72 36.0 30.3 45.5
71 40.0 32.2 48.2

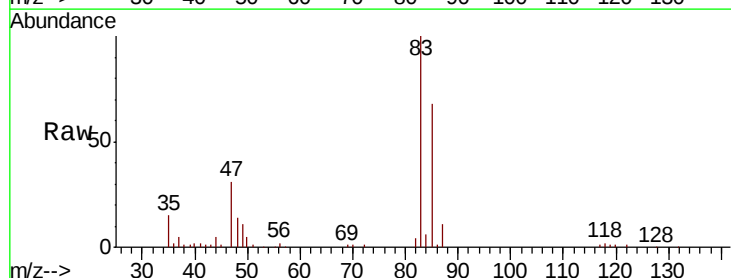


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

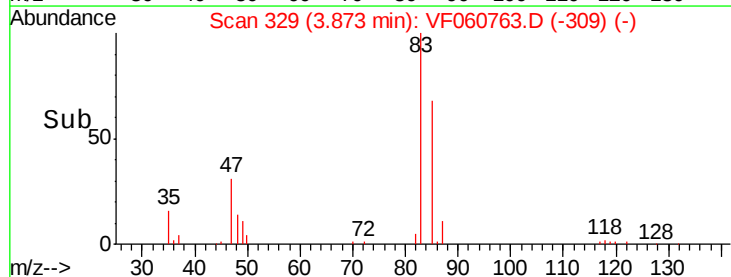
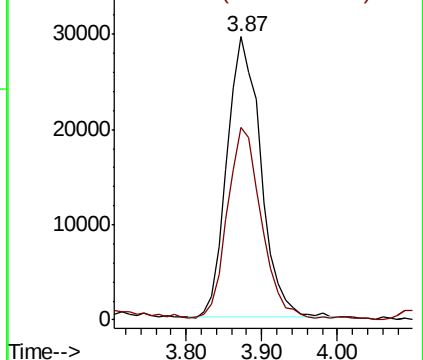


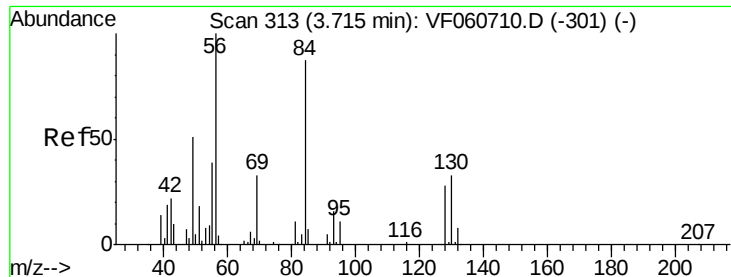
#30
Chloroform
Concen: 19.555 ug/l
RT: 3.87 min Scan# 329
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Tgt Ion: 83 Resp: 91447
Ion Ratio Lower Upper
83 100
85 68.1 54.6 82.0



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0

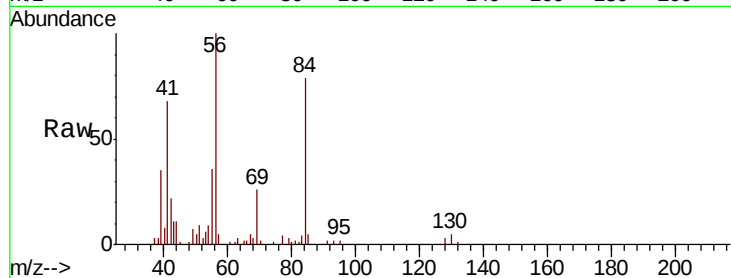




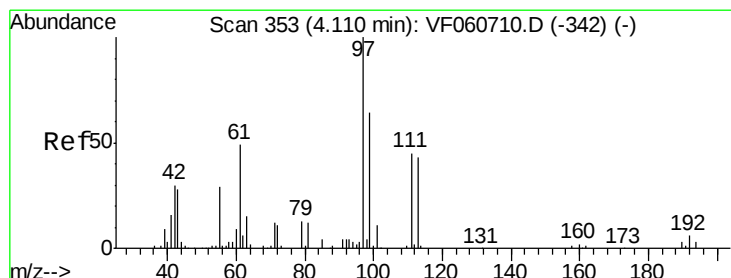
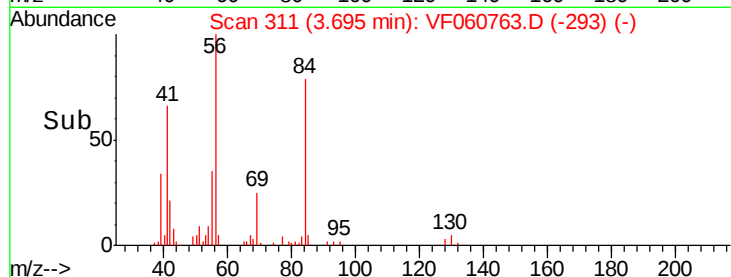
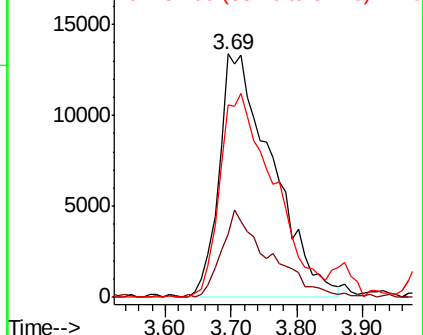
#31
Cyclohexane
Concen: 21.360 ug/l
RT: 3.69 min Scan# 311
Delta R.T. -0.02 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

Tot Ion: 56 Resp: 75561
Ion Ratio Lower Upper
56 100
69 26.1 26.0 39.0
84 78.9 69.4 104.2

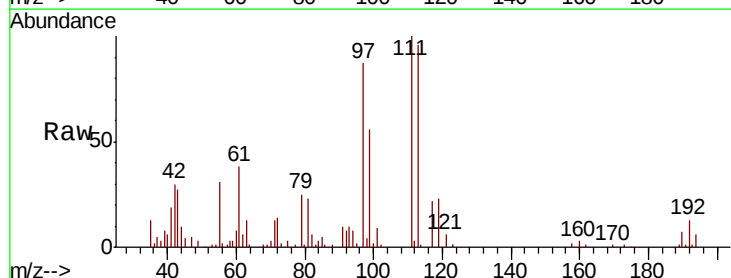


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

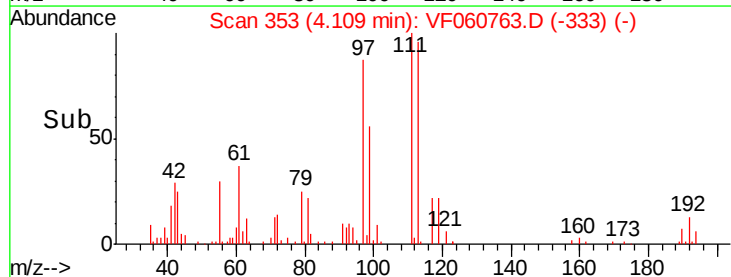
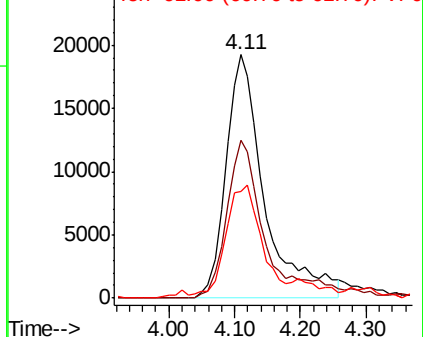


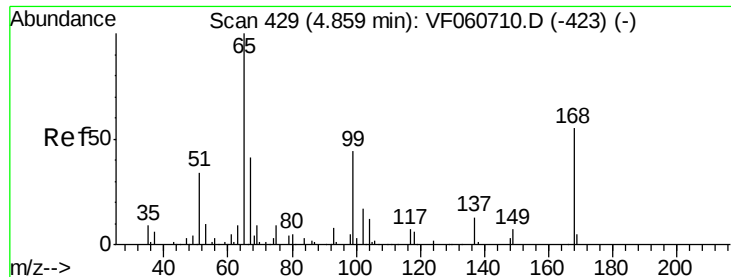
#32
1,1,1-Trichloroethane
Concen: 21.448 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Tgt Ion: 97 Resp: 78986
Ion Ratio Lower Upper
97 100
99 64.6 51.1 76.7
61 43.8 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: 49.057 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

ClientSampleId :

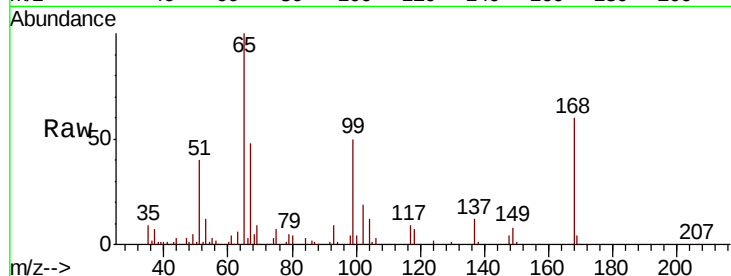
VF1116SBS01

Tot Ion: 65 Resp: 97626

Ion Ratio Lower Upper

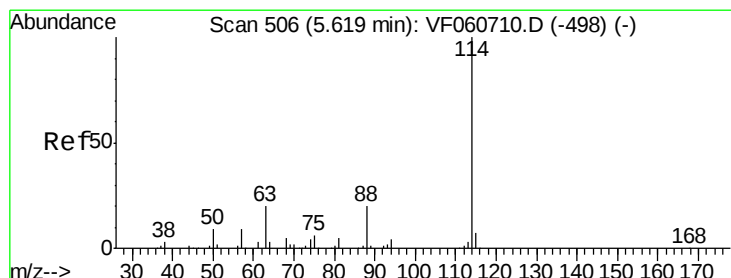
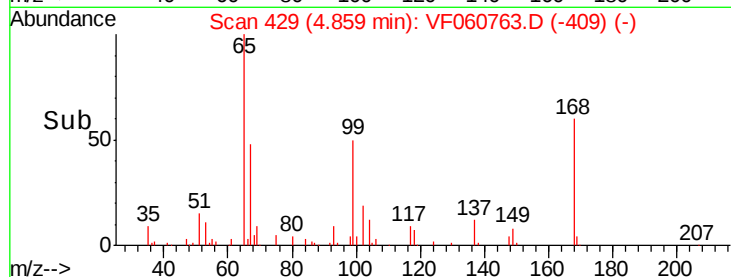
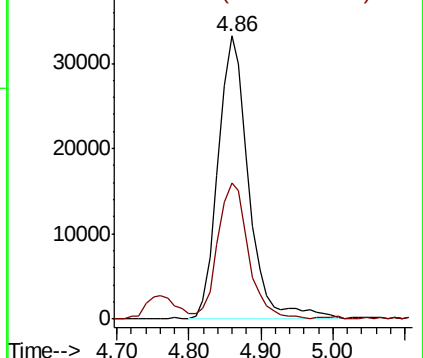
65 100

67 47.9 0.0 90.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. -0.01 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

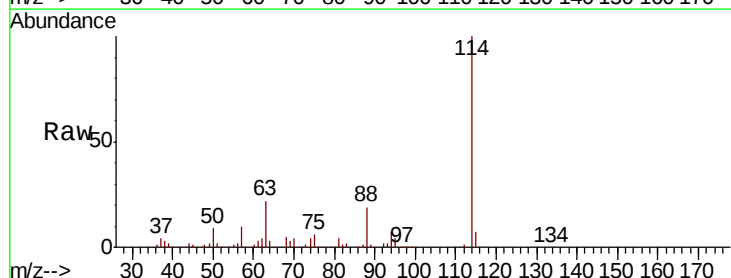
Tgt Ion: 114 Resp: 291524

Ion Ratio Lower Upper

114 100

63 22.4 0.0 40.8

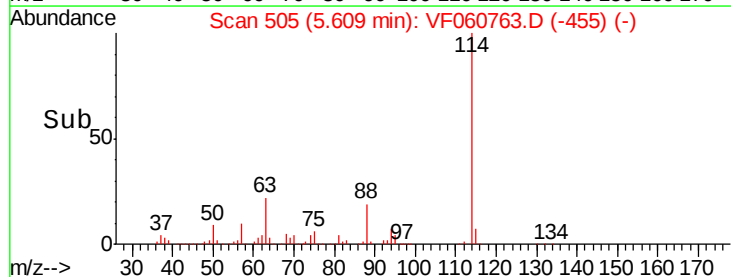
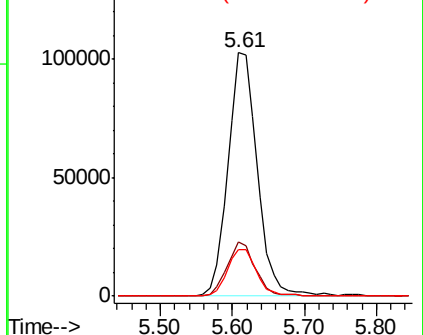
88 19.2 0.0 39.6

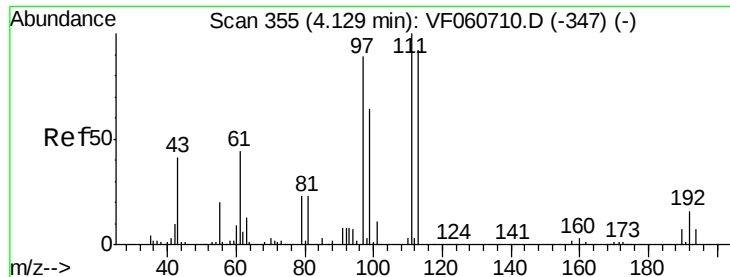


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 50.208 ug/l

RT: 4.13 min Scan# 355

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

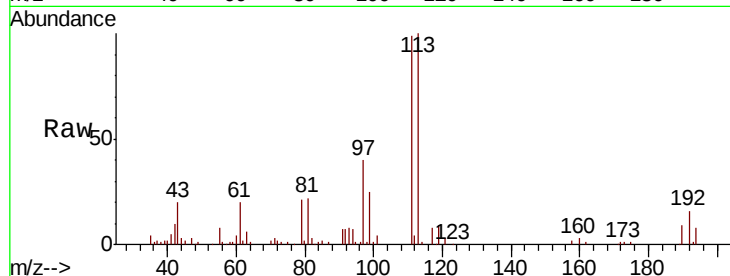
Tot Ion:113 Resp: 110024

Ion Ratio Lower Upper

113 100

111 99.5 87.1 130.7

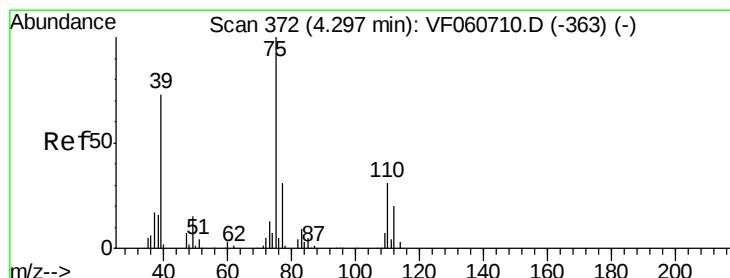
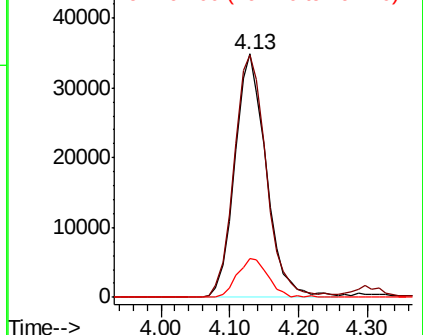
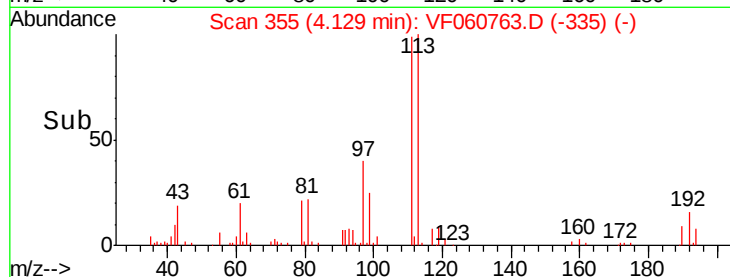
192 15.9 13.8 20.6



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: 20.120 ug/l

RT: 4.30 min Scan# 372

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

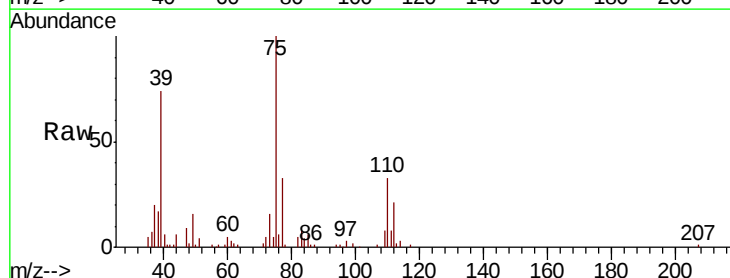
Tgt Ion: 75 Resp: 68024

Ion Ratio Lower Upper

75 100

110 33.2 15.6 46.8

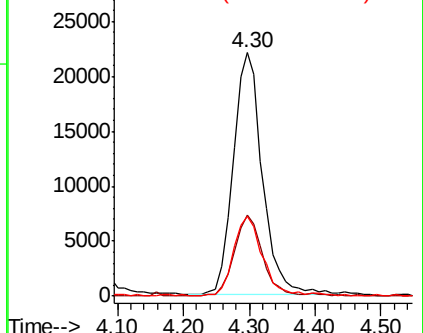
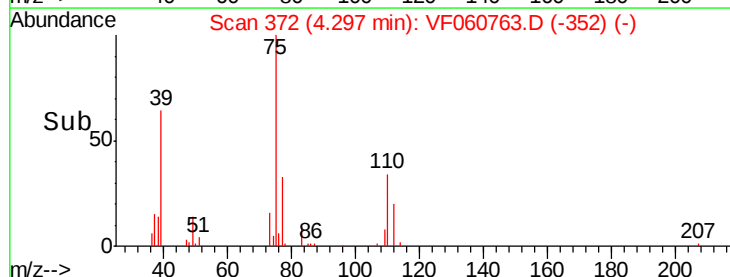
77 32.6 25.0 37.6

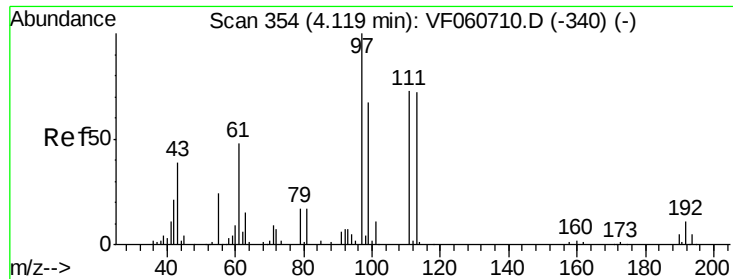


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

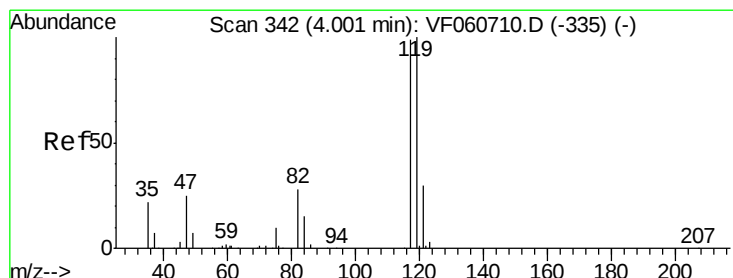
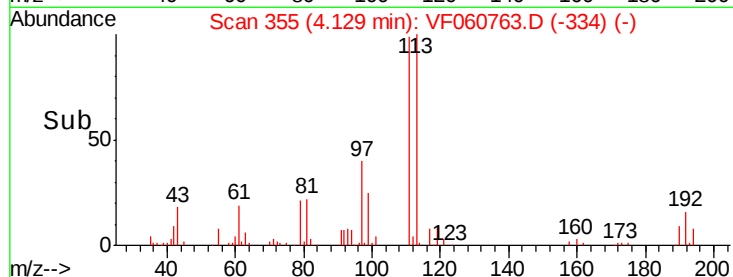
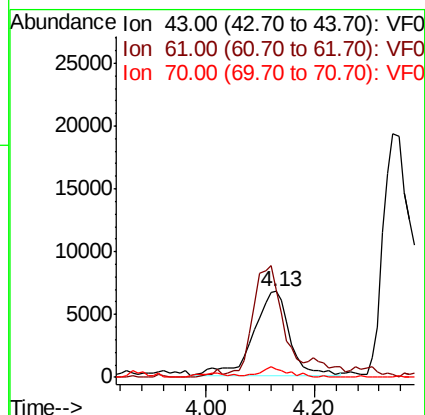
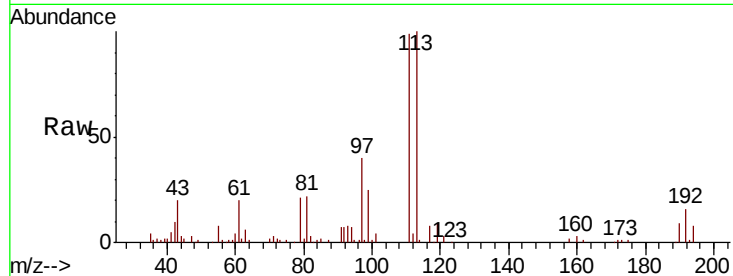




#37
Ethyl Acetate
Concen: 24.634 ug/l
RT: 4.13 min Scan# 355
Delta R.T. 0.01 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

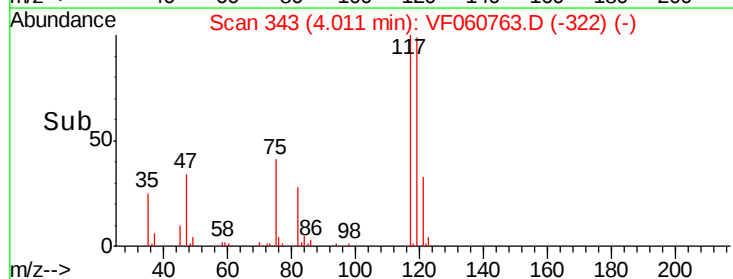
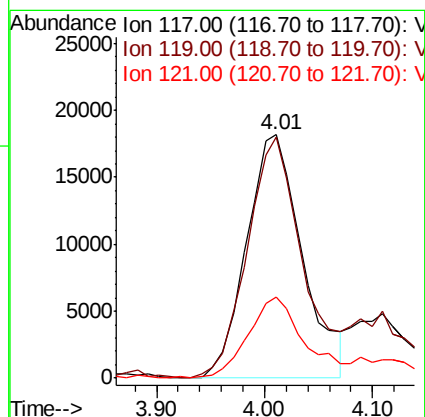
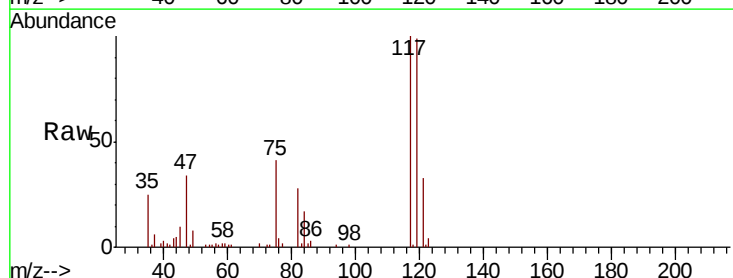
Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

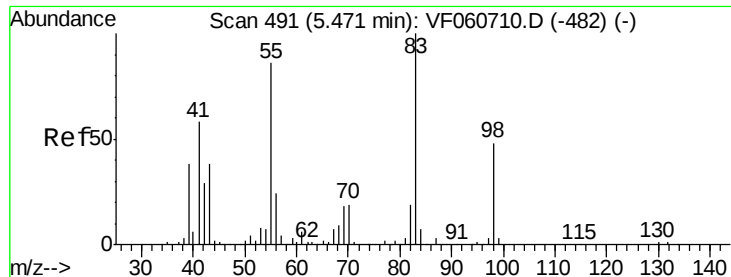
Tot Ion: 43 Resp: 30964
Ion Ratio Lower Upper
43 100
61 101.2 98.5 147.7
70 9.0 7.4 11.0



#38
Carbon Tetrachloride
Concen: 19.934 ug/l
RT: 4.01 min Scan# 343
Delta R.T. 0.01 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Tgt Ion: 117 Resp: 65396
Ion Ratio Lower Upper
117 100
119 98.9 80.7 121.1
121 33.4 24.3 36.5

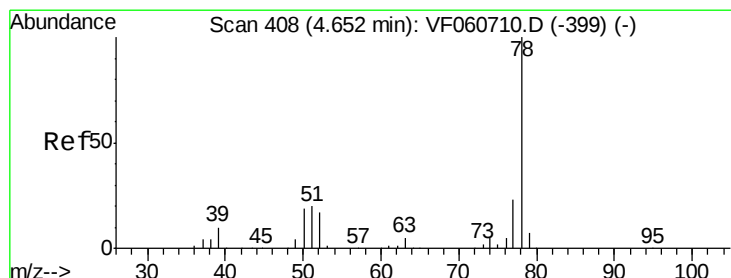
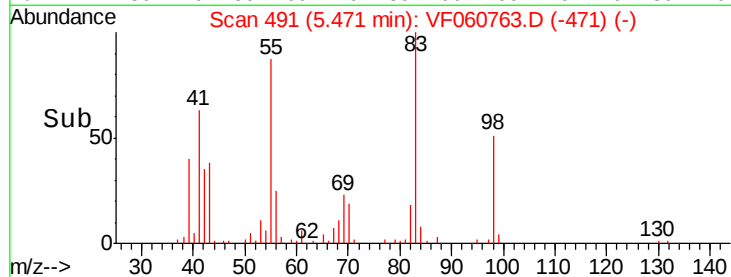
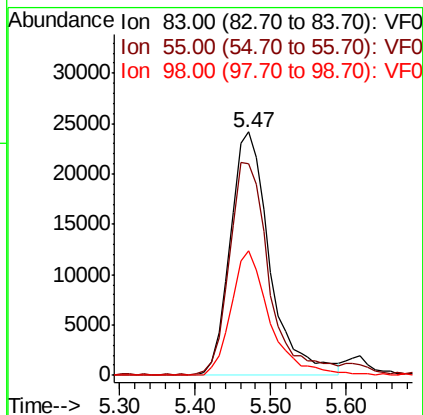
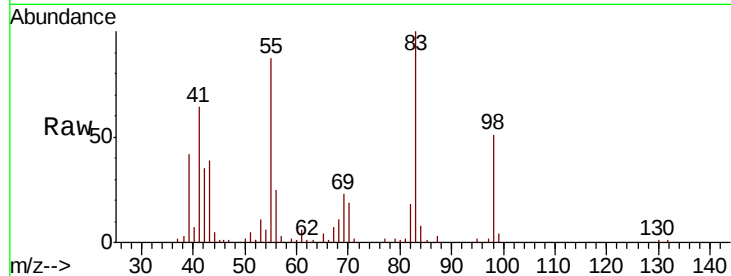




#39
Methvlcvclohexane
Concen: 22.434 ug/l
RT: 5.47 min Scan# 491
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

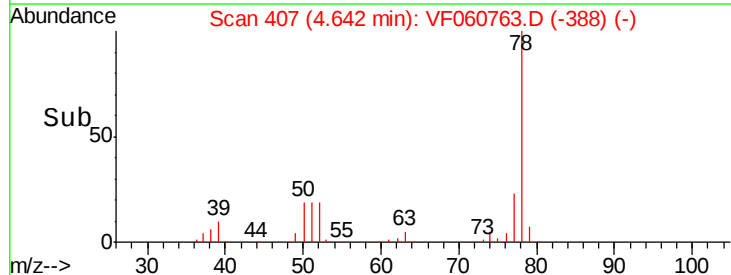
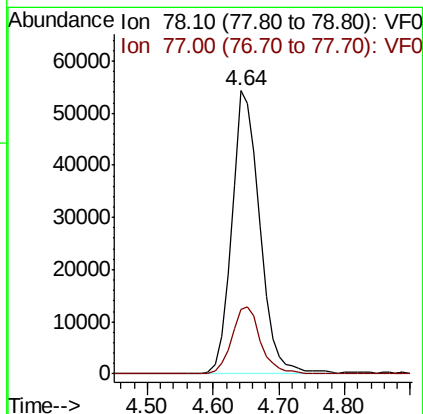
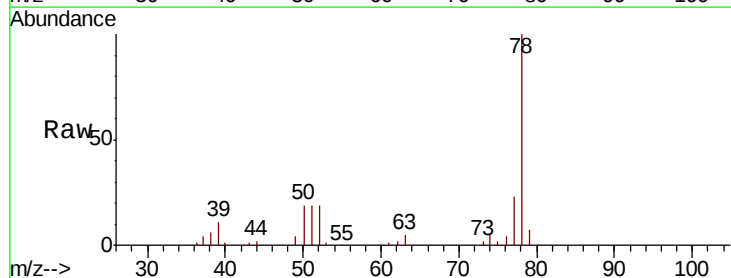
Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

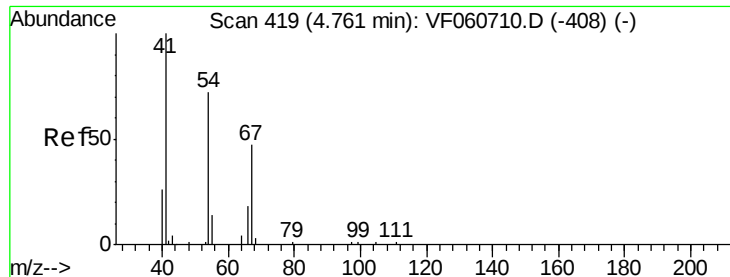
Tot Ion: 83 Resp: 87997
Ion Ratio Lower Upper
83 100
55 87.1 69.0 103.4
98 51.2 38.5 57.7



#40
Benzene
Concen: 21.521 ug/l
RT: 4.64 min Scan# 407
Delta R.T. -0.01 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Tgt Ion: 78 Resp: 162198
Ion Ratio Lower Upper
78 100
77 23.0 18.6 28.0

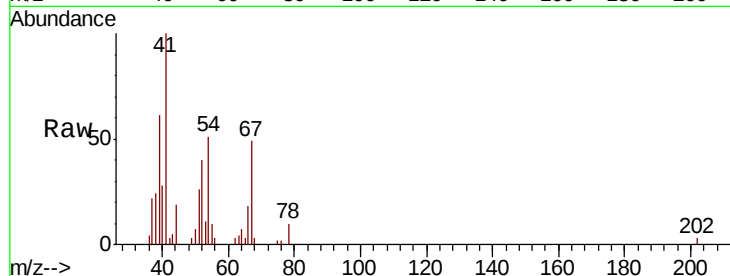




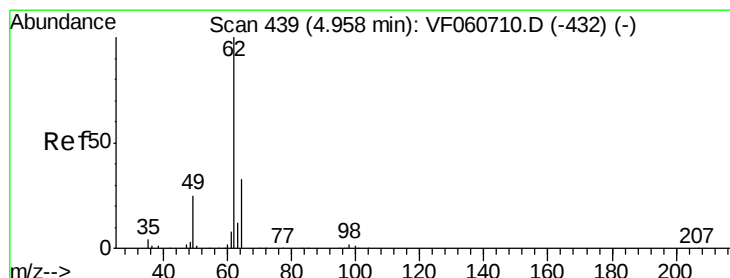
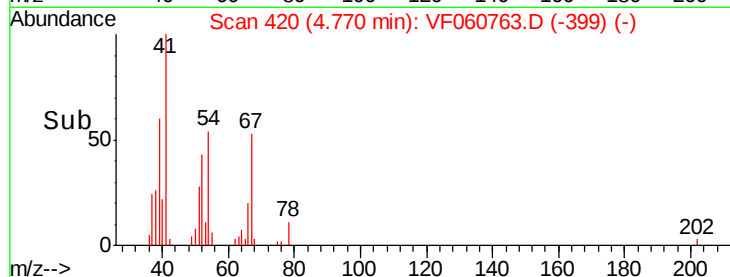
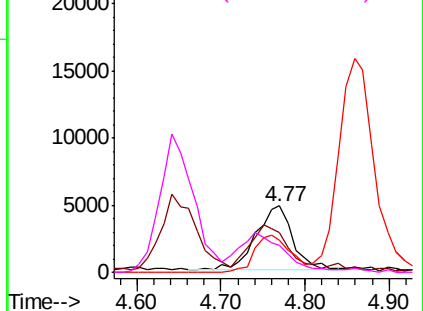
#41
Methacrylonitrile
Concen: 19.535 ug/l
RT: 4.77 min Scan# 420
Delta R.T. 0.01 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

Tot Ion:	41	Resp:	14860
Ion	Ratio	Lower	Upper
41	100		
39	61.1	47.1	70.7
67	49.1	37.1	55.7
52	39.9	39.3	58.9

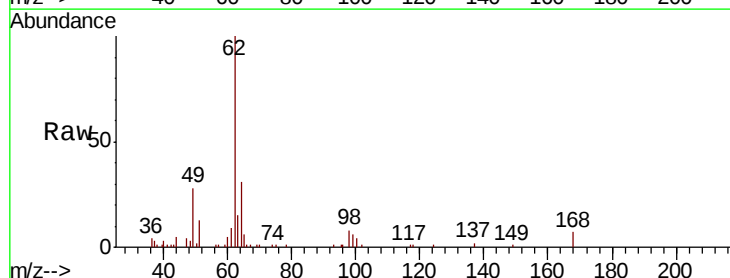


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

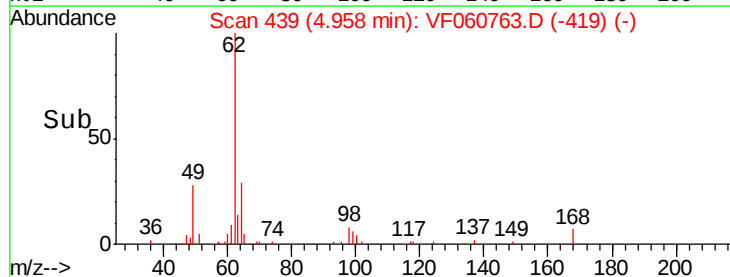
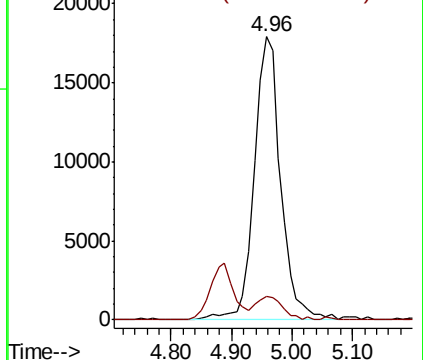


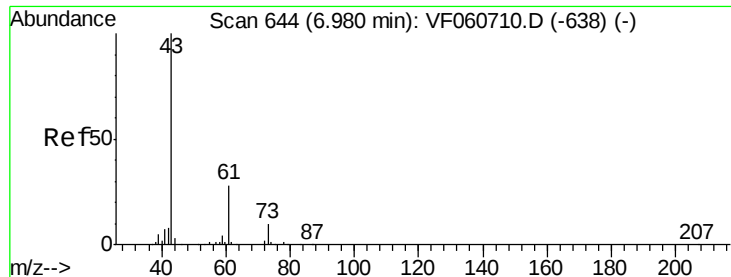
#42
1,2-Dichloroethane
Concen: 20.843 ug/l
RT: 4.96 min Scan# 439
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Tgt Ion:	62	Resp:	54285
Ion	Ratio	Lower	Upper
62	100		
98	8.4	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: 21.203 ug/l

RT: 6.97 min Scan# 643

Delta R.T. -0.01 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

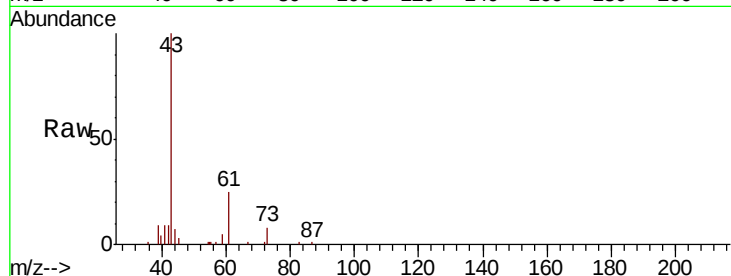
Tot Ion: 43 Resp: 35337

Ion Ratio Lower Upper

43 100

61 24.9 22.2 33.4

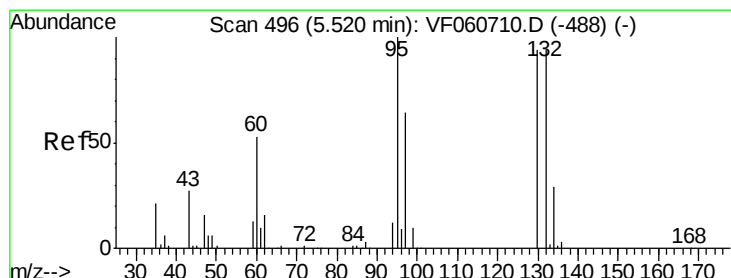
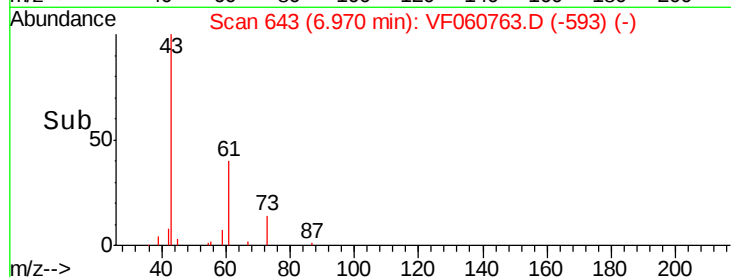
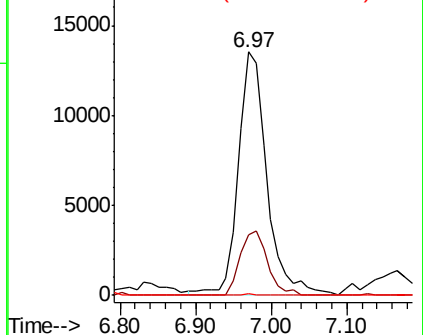
87 0.9 0.4 0.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 22.192 ug/l

RT: 5.52 min Scan# 496

Delta R.T. -0.00 min

Lab File: VF060763.D

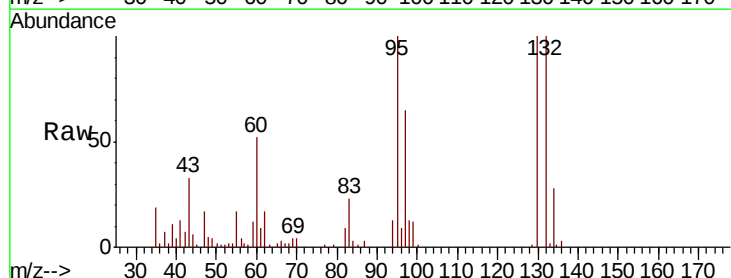
Acq: 16 Nov 2018 14:07

Tgt Ion:130 Resp: 52769

Ion Ratio Lower Upper

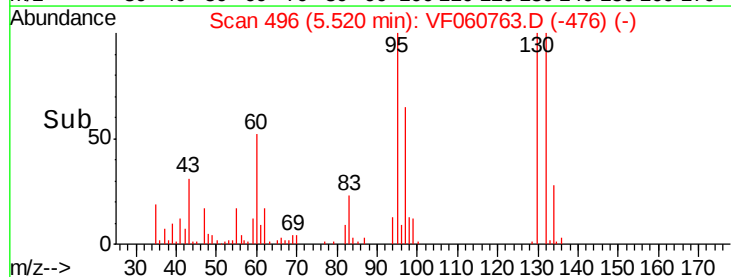
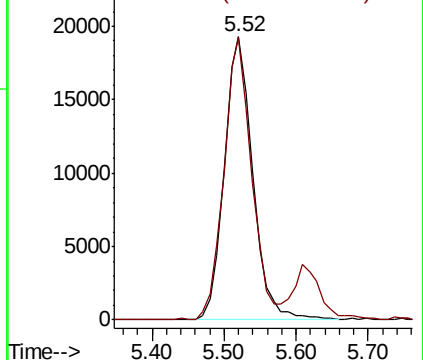
130 100

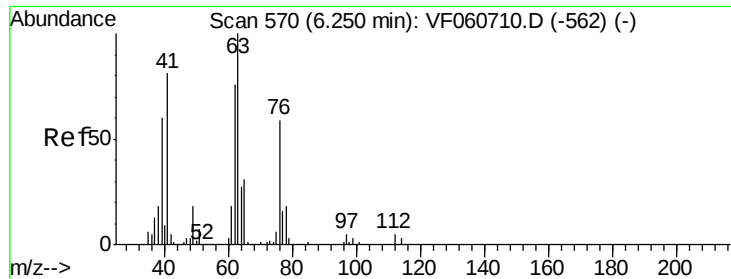
95 99.8 0.0 212.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 20.145 ug/l

RT: 6.25 min Scan# 570

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

ClientSampleId :

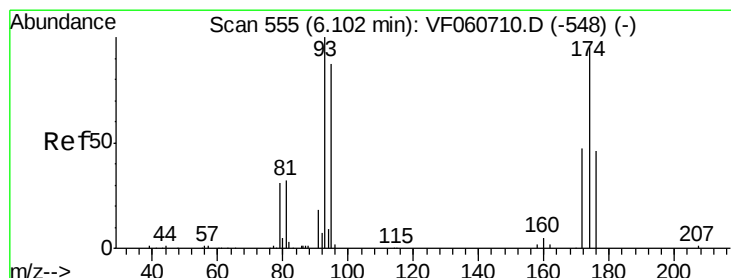
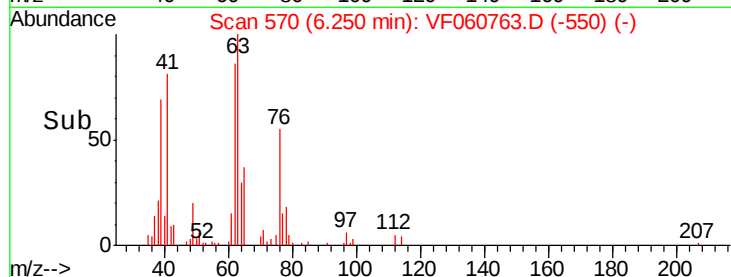
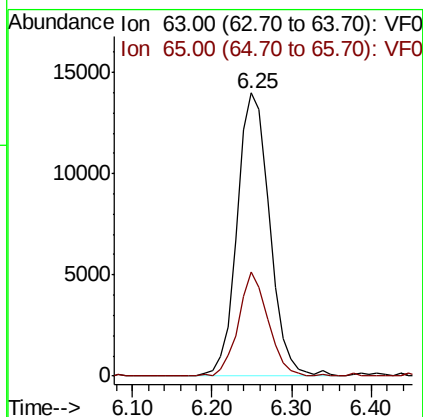
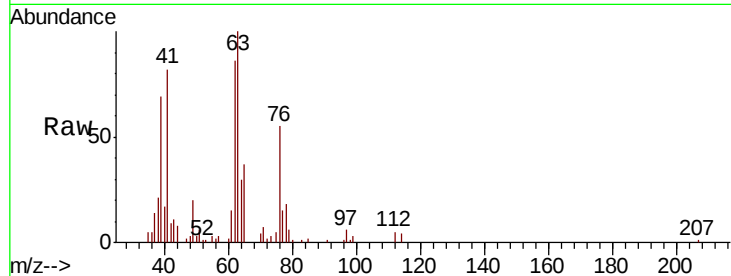
VF1116SBS01

Tot Ion: 63 Resp: 39507

Ion Ratio Lower Upper

63 100

65 37.0 24.6 36.8#



#46

Dibromomethane

Concen: 20.254 ug/l

RT: 6.10 min Scan# 555

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

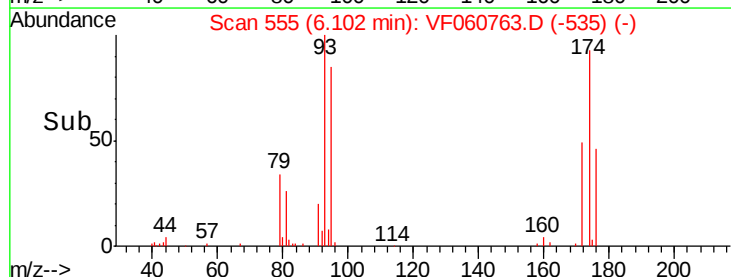
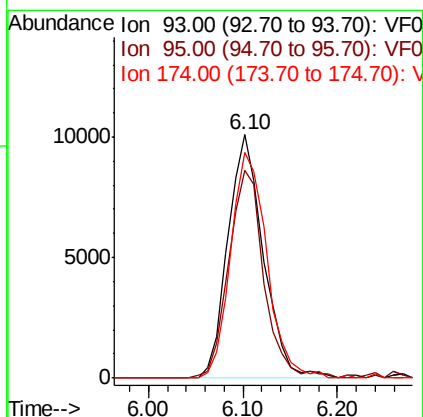
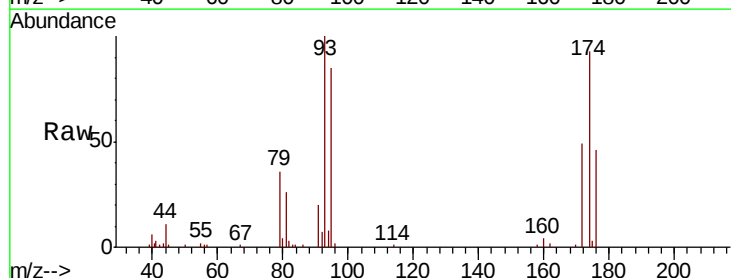
Tgt Ion: 93 Resp: 26220

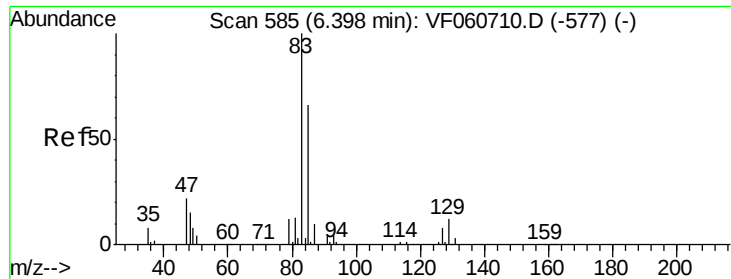
Ion Ratio Lower Upper

93 100

95 85.4 69.5 104.3

174 92.5 76.2 114.2





#47

Bromodichloromethane

Concen: 19.762 ug/l

RT: 6.41 min Scan# 586

Delta R.T. 0.01 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

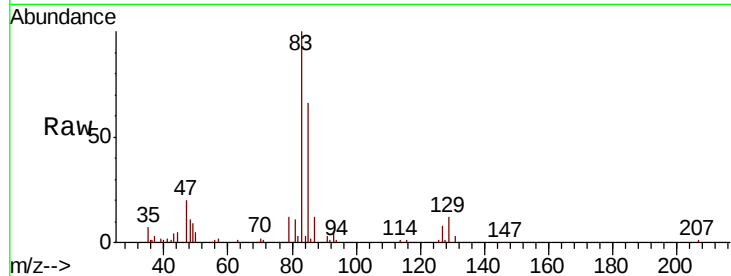
Tot Ion: 83 Resp: 65332

Ion Ratio Lower Upper

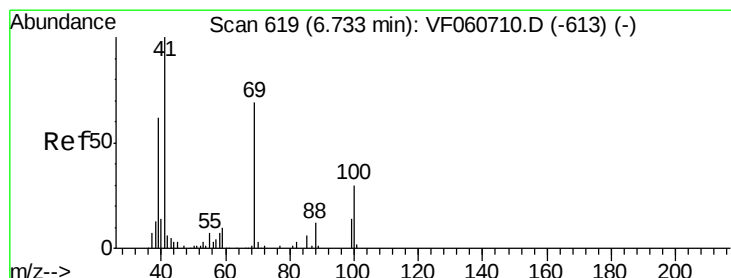
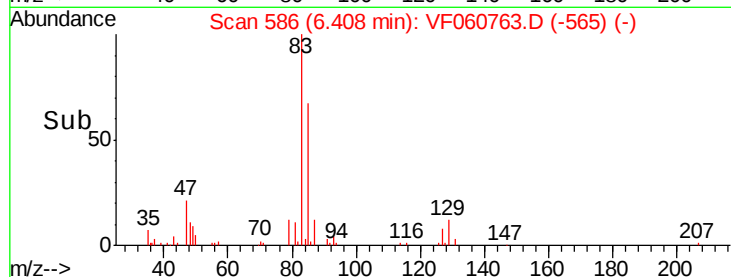
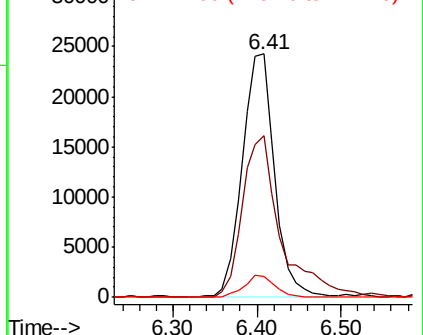
83 100

85 66.5 52.4 78.6

127 8.3 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): V



#48

Methyl methacrylate

Concen: 20.950 ug/l

RT: 6.73 min Scan# 619

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

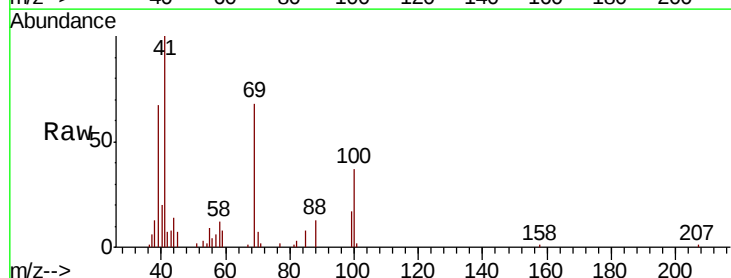
Tgt Ion: 41 Resp: 23107

Ion Ratio Lower Upper

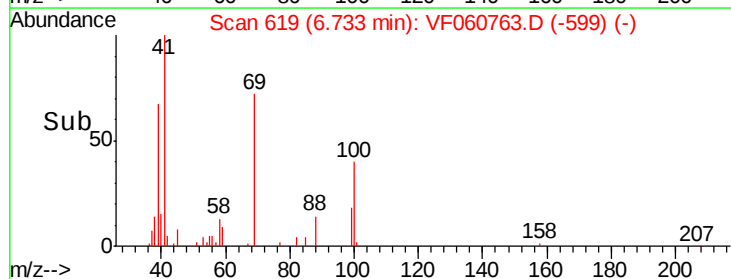
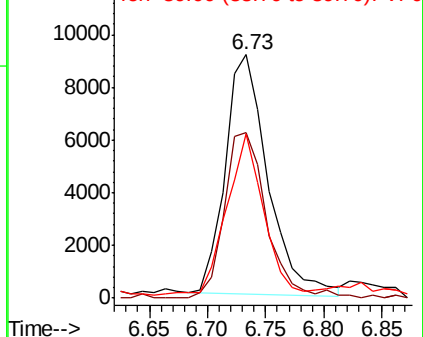
41 100

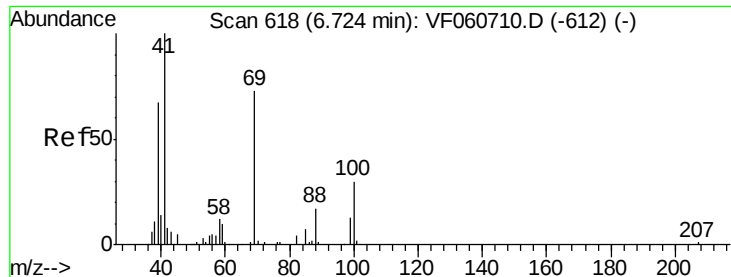
69 68.1 54.9 82.3

39 67.3 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: 368.377 ug/l

RT: 6.73 min Scan# 619

Delta R.T. 0.01 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

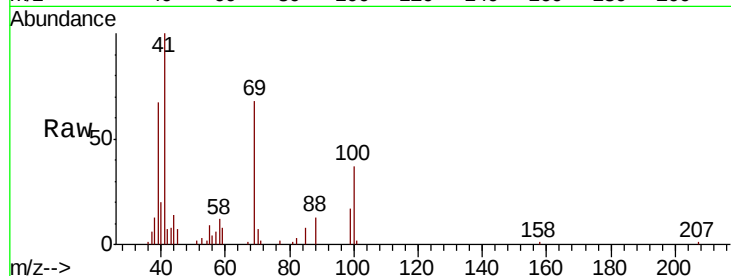
Tot Ion: 88 Resp: 3800

Ion Ratio Lower Upper

88 100

43 65.5 44.6 66.8

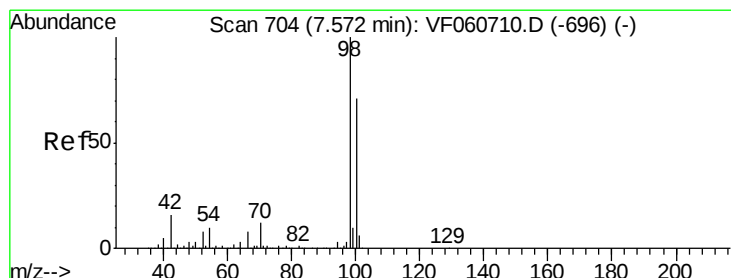
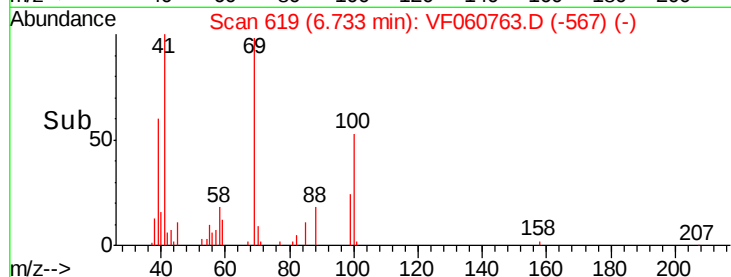
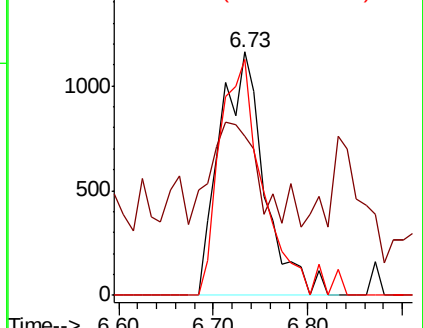
58 96.8 54.5 81.7#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 50.093 ug/l

RT: 7.57 min Scan# 704

Delta R.T. 0.00 min

Lab File: VF060763.D

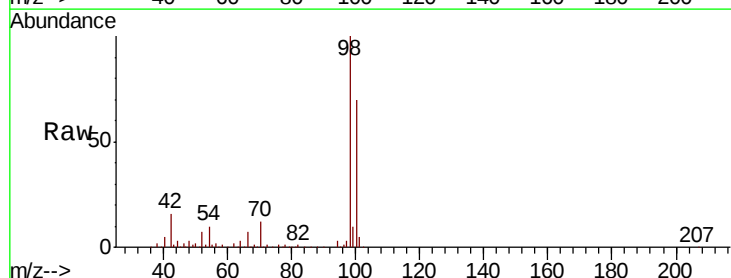
Acq: 16 Nov 2018 14:07

Tgt Ion: 98 Resp: 281651

Ion Ratio Lower Upper

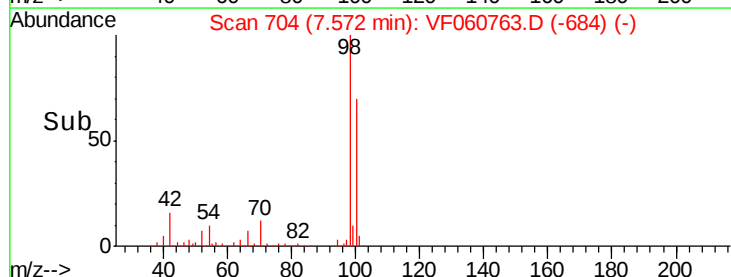
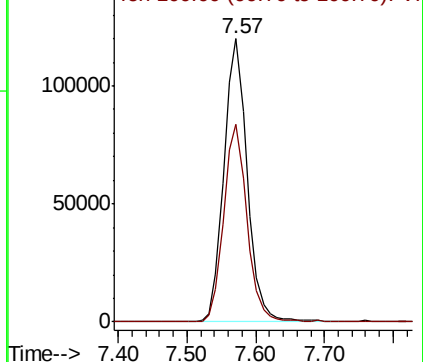
98 100

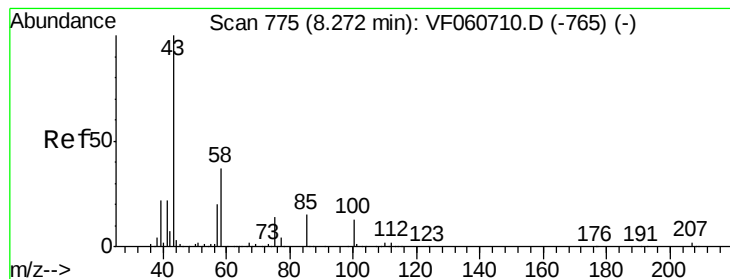
100 69.8 56.5 84.7



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 108.460 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

ClientSampleId :

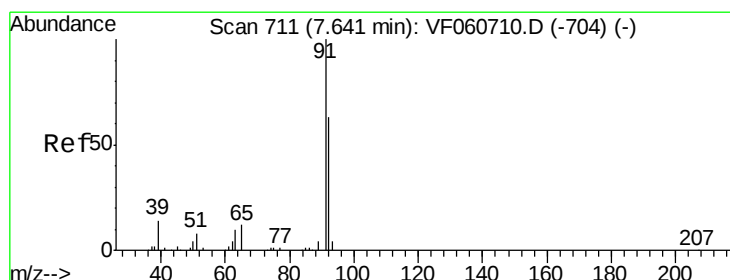
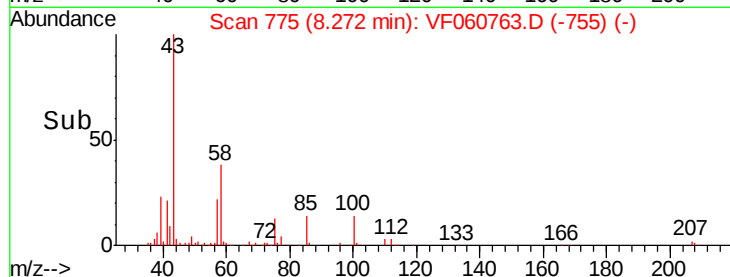
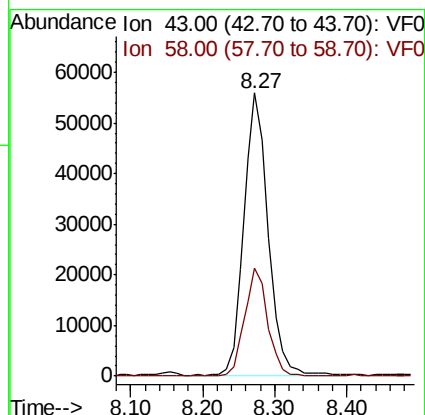
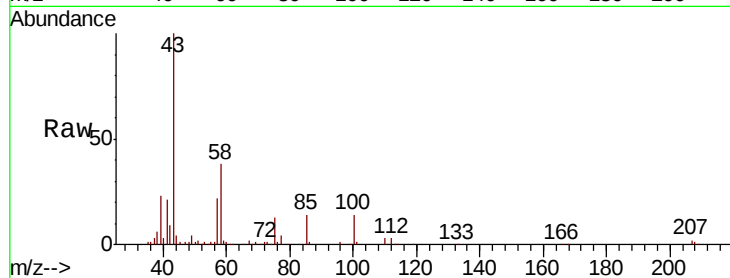
VF1116SBS01

Tot Ion: 43 Resp: 130733

Ion Ratio Lower Upper

43 100

58 38.1 29.2 43.8



#52

Toluene

Concen: 20.181 ug/l

RT: 7.64 min Scan# 711

Delta R.T. -0.00 min

Lab File: VF060763.D

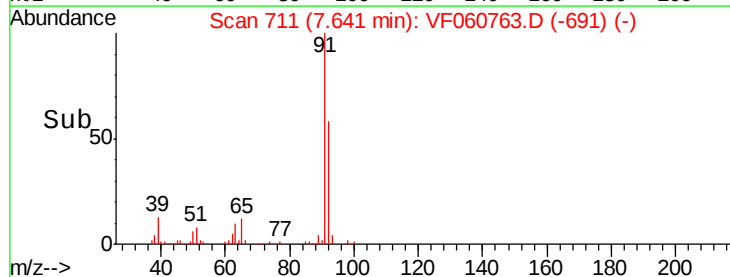
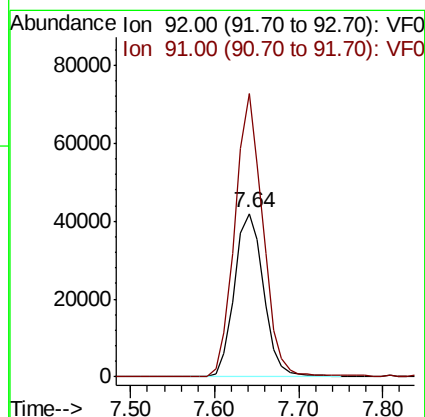
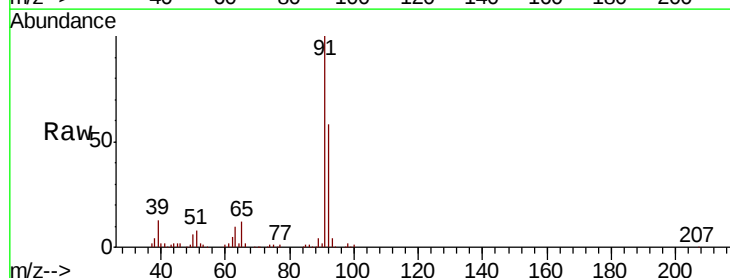
Acq: 16 Nov 2018 14:07

Tgt Ion: 92 Resp: 101926

Ion Ratio Lower Upper

92 100

91 173.6 126.7 190.1

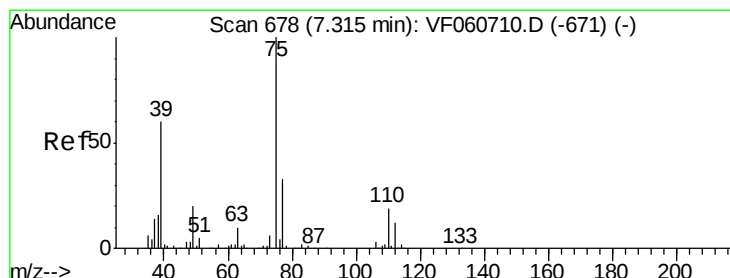
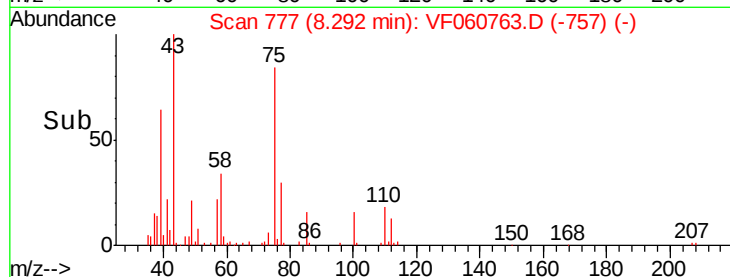
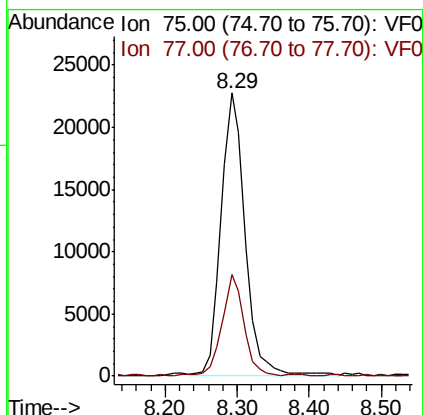
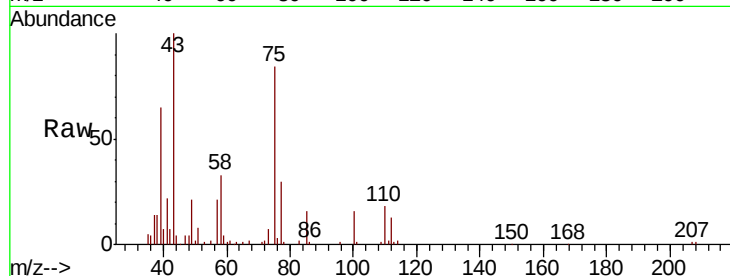




#53
t-1,3-Dichloropropene
Concen: 19.990 ug/l
RT: 8.29 min Scan# 777
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

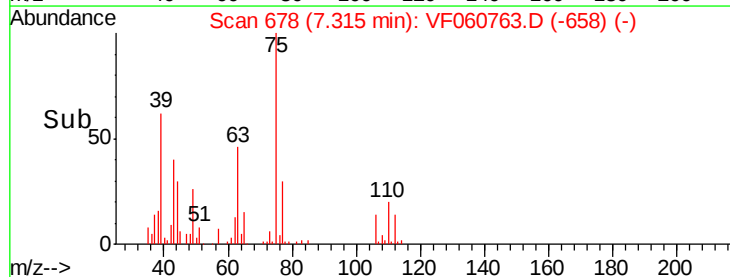
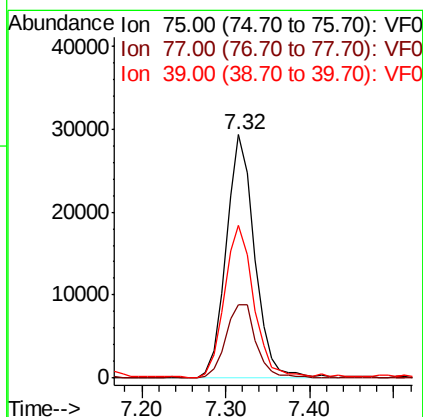
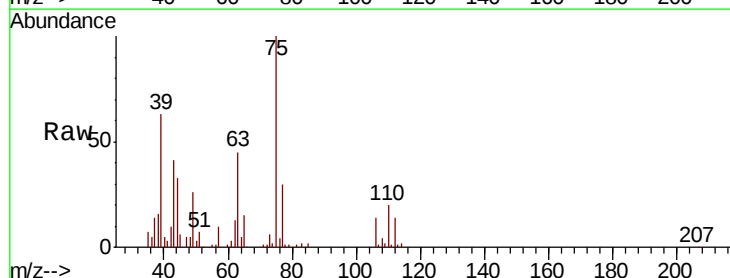
Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

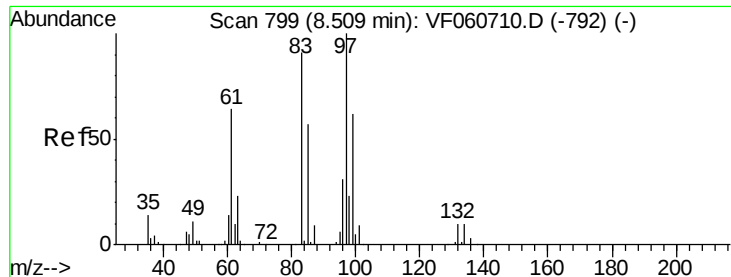
Tot Ion: 75 Resp: 52929
Ion Ratio Lower Upper
75 100
77 35.8 24.6 36.8



#54
cis-1,3-Dichloropropene
Concen: 20.019 ug/l
RT: 7.32 min Scan# 678
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Tgt Ion: 75 Resp: 68852
Ion Ratio Lower Upper
75 100
77 30.0 26.5 39.7
39 62.6 48.5 72.7





#55

1,1,2-Trichloroethane

Concen: 19.161 ug/l

RT: 8.51 min Scan# 799

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

Tot Ion: 97 Resp: 27650

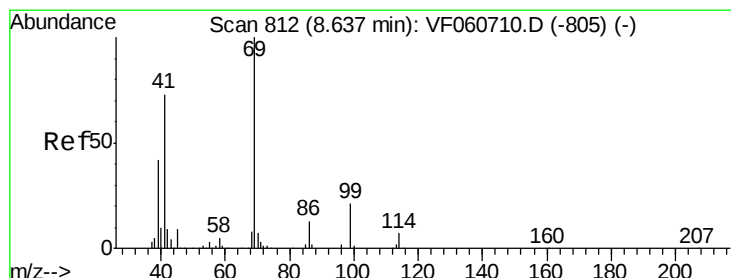
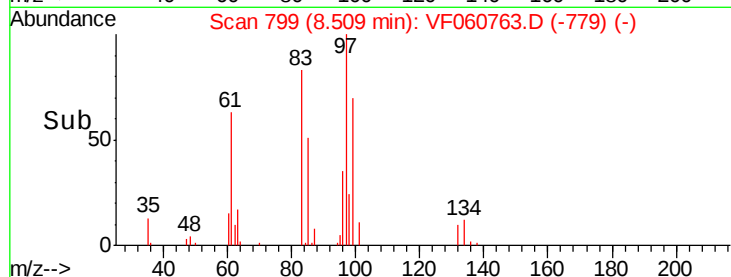
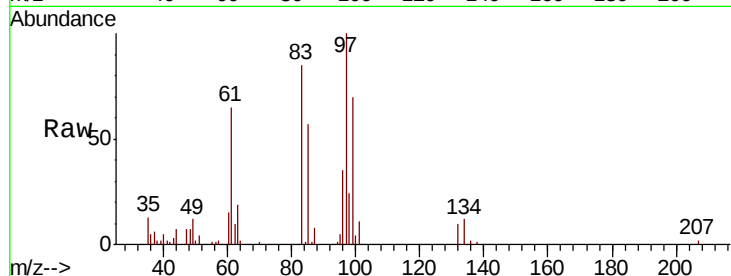
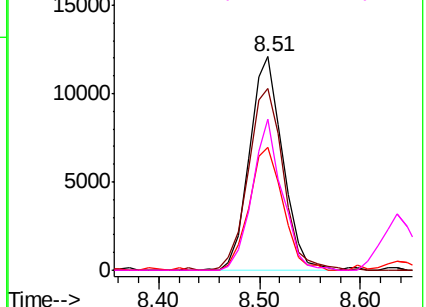
Ion	Ratio	Lower	Upper
97	100		
83	85.1	72.8	109.2
85	57.4	45.8	68.6
99	70.5	49.4	74.0

Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 19.023 ug/l

RT: 8.64 min Scan# 812

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

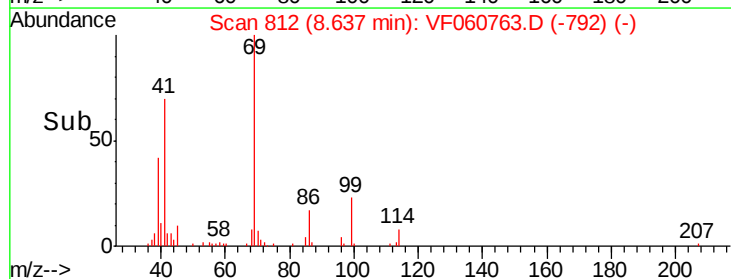
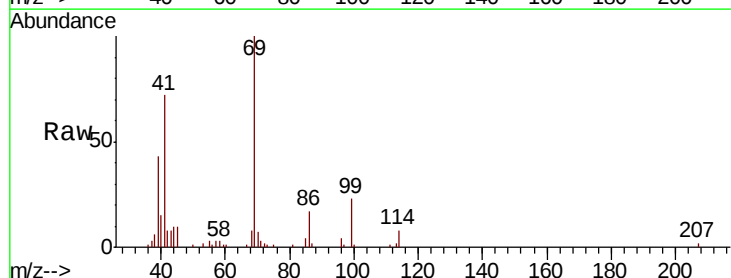
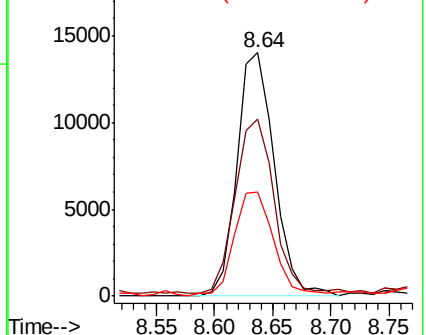
Tgt Ion: 69 Resp: 31175

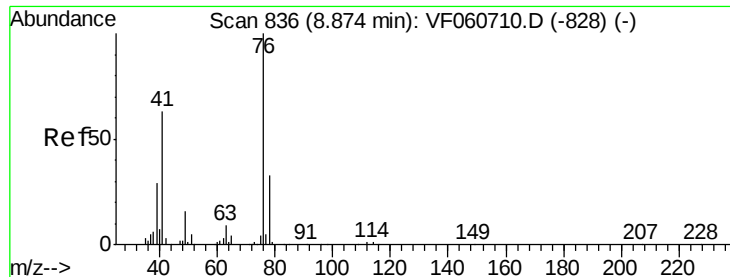
Ion	Ratio	Lower	Upper
69	100		
41	72.5	59.0	88.6
39	42.8	34.0	51.0

Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 20.762 ug/l

RT: 8.86 min Scan# 835

Delta R.T. -0.01 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

ClientSampleId :

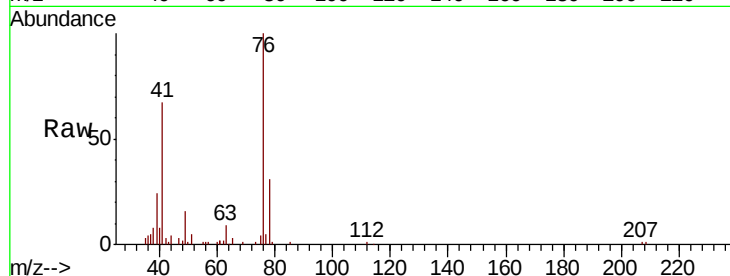
VF1116SBS01

Tot Ion: 76 Resp: 51922

Ion Ratio Lower Upper

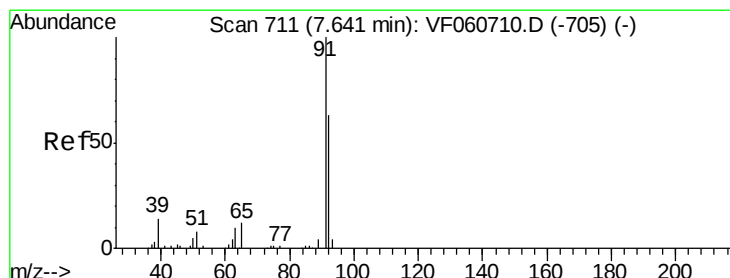
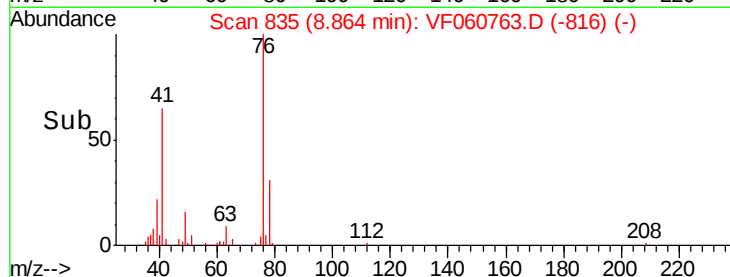
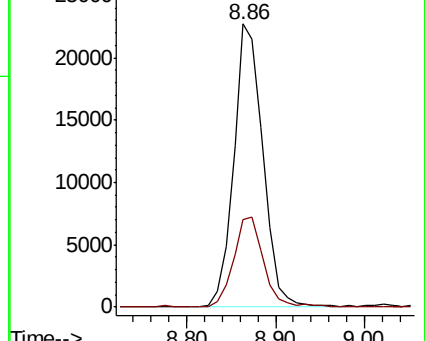
76 100

78 31.0 26.6 39.8



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 105.453 ug/l

RT: 7.64 min Scan# 711

Delta R.T. -0.00 min

Lab File: VF060763.D

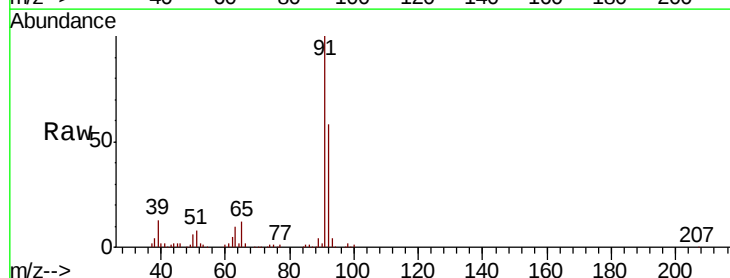
Acq: 16 Nov 2018 14:07

Tgt Ion: 63 Resp: 15787

Ion Ratio Lower Upper

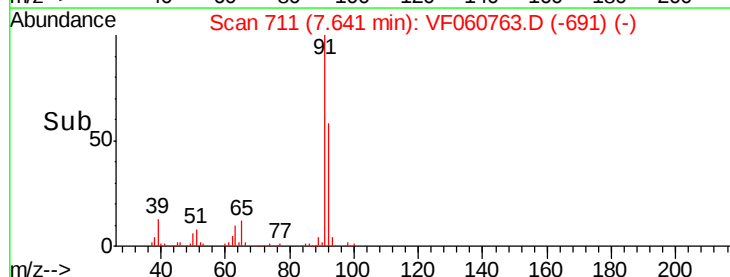
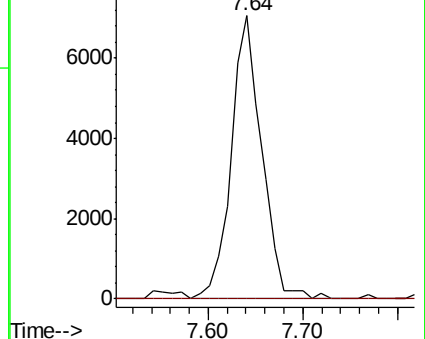
63 100

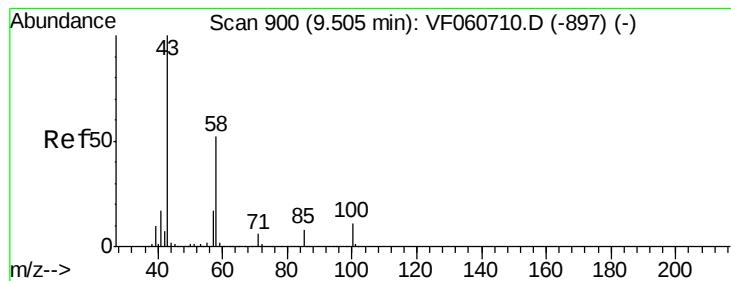
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





#59

2-Hexanone

Concen: 103.429 ug/l

RT: 9.51 min Scan# 900

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

ClientSampleId :

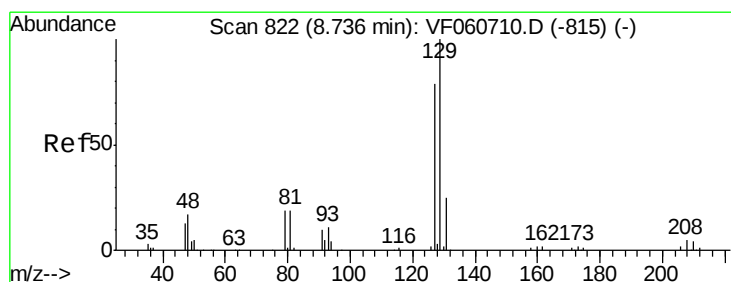
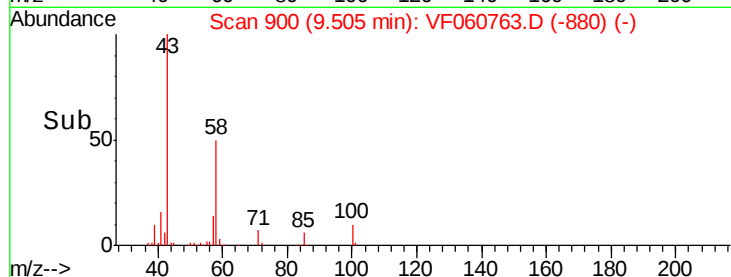
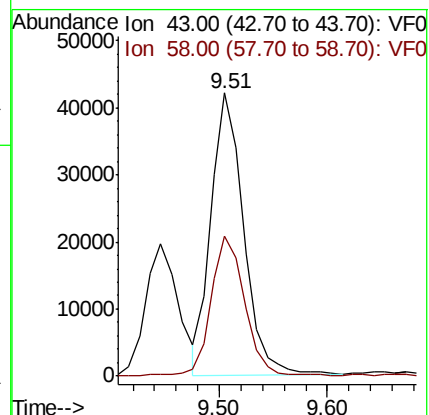
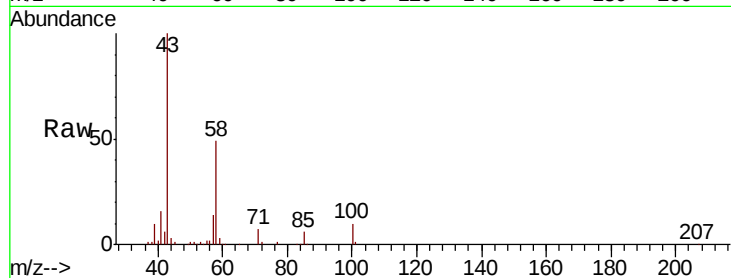
VF1116SBS01

Tot Ion: 43 Resp: 87614

Ion Ratio Lower Upper

43 100

58 49.3 24.9 74.7



#60

Dibromochloromethane

Concen: 20.855 ug/l

RT: 8.74 min Scan# 822

Delta R.T. -0.00 min

Lab File: VF060763.D

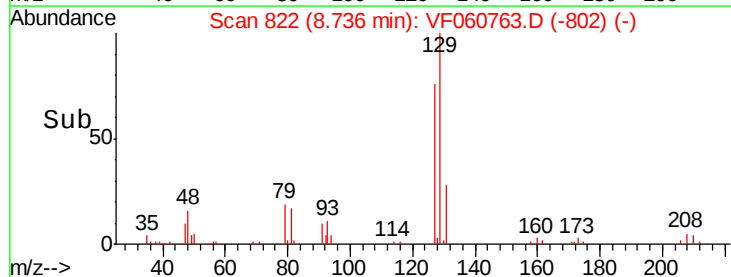
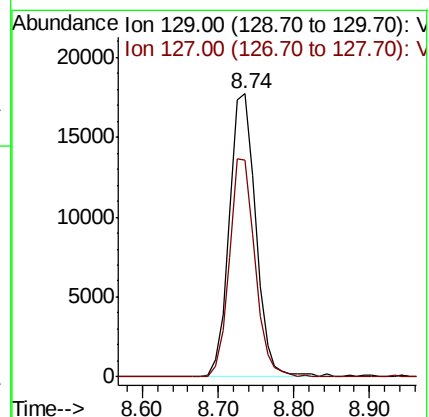
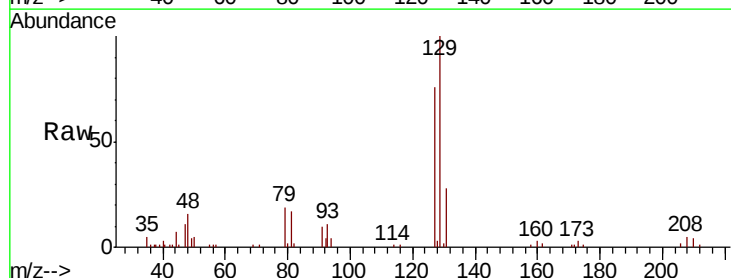
Acq: 16 Nov 2018 14:07

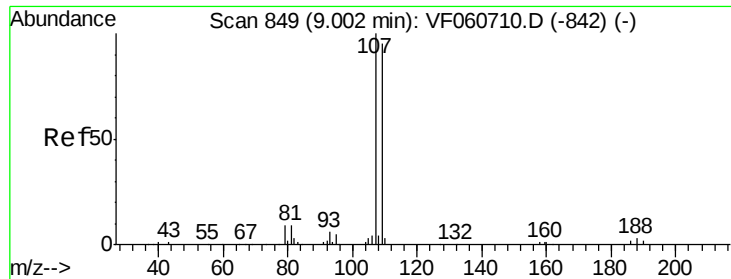
Tgt Ion: 129 Resp: 42891

Ion Ratio Lower Upper

129 100

127 76.4 39.7 119.1





#61

1,2-Dibromoethane

Concen: 19.643 ug/l

RT: 9.00 min Scan# 849

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

ClientSampleId :

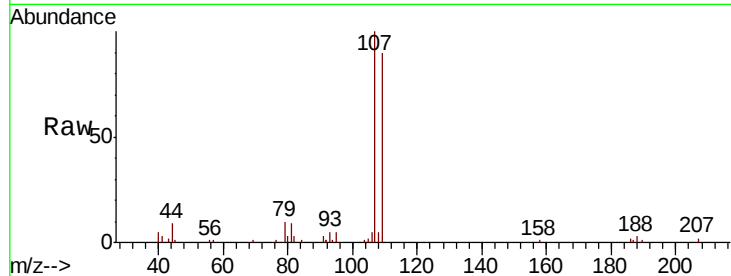
VF1116SBS01

Tot Ion:107 Resp: 29810

Ion Ratio Lower Upper

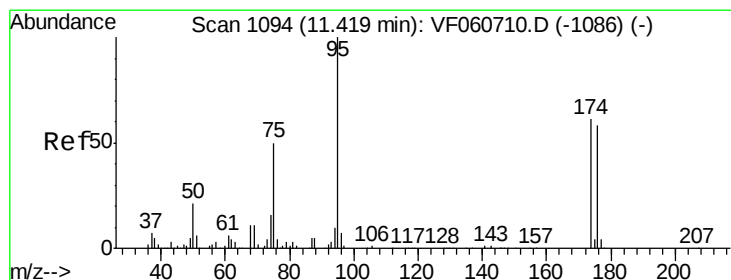
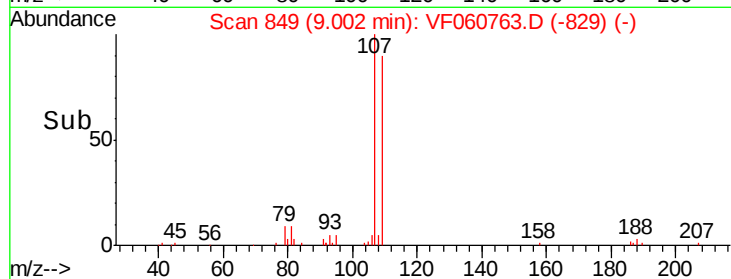
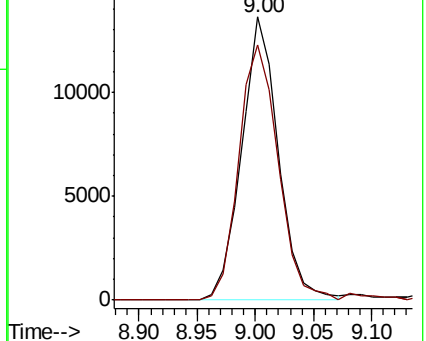
107 100

109 90.1 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: 53.045 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

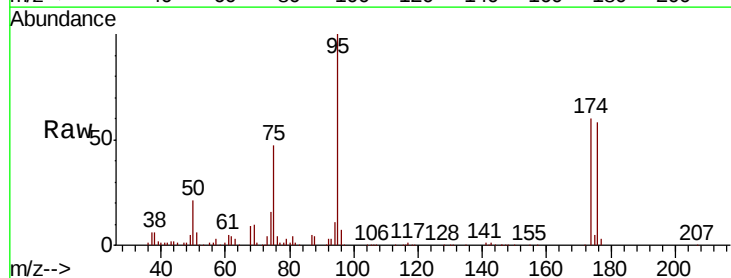
Tgt Ion: 95 Resp: 136918

Ion Ratio Lower Upper

95 100

174 60.4 0.0 121.6

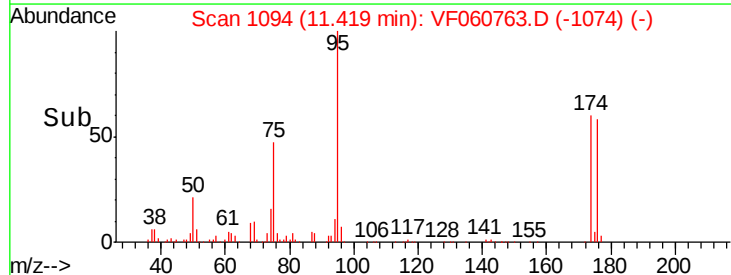
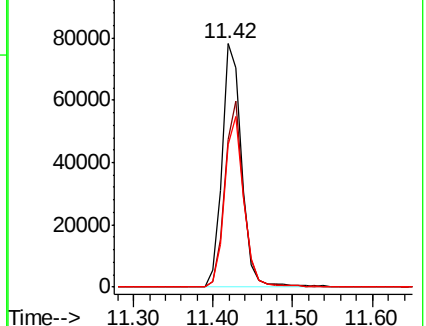
176 58.4 0.0 115.2

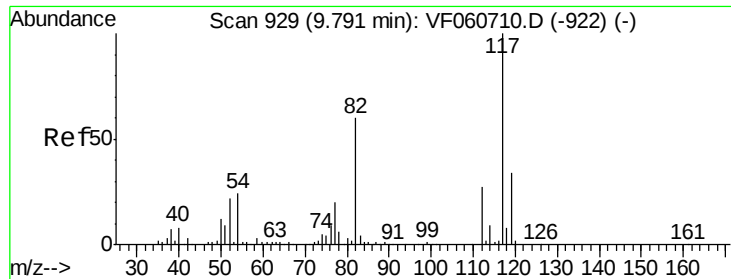


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

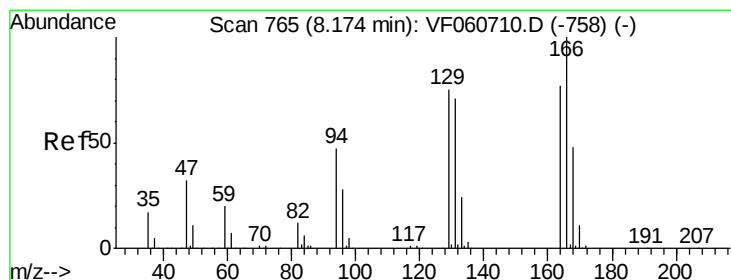
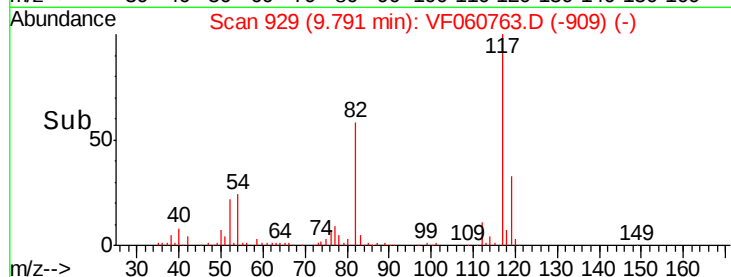
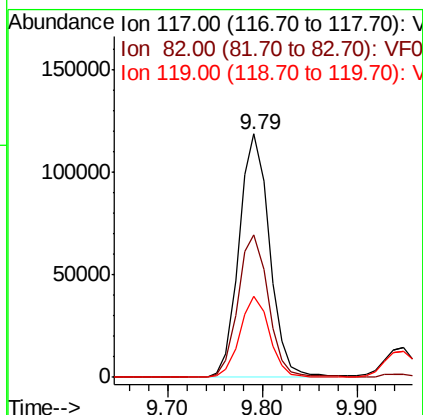
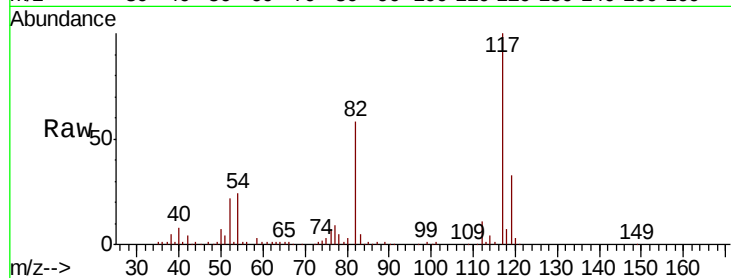




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

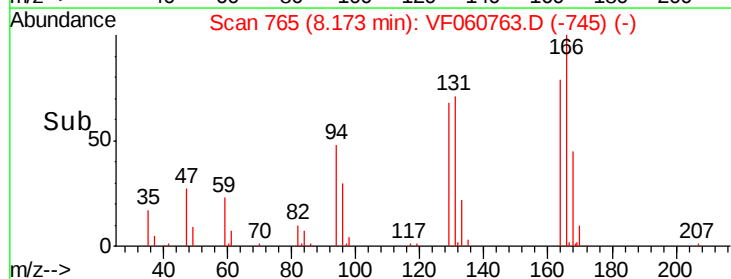
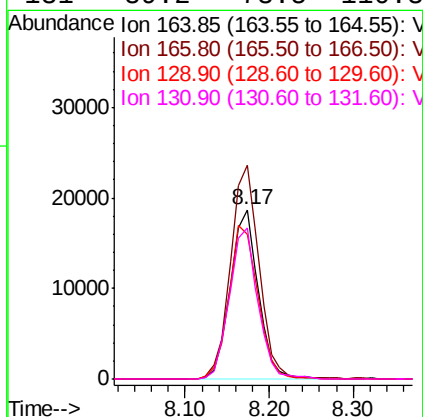
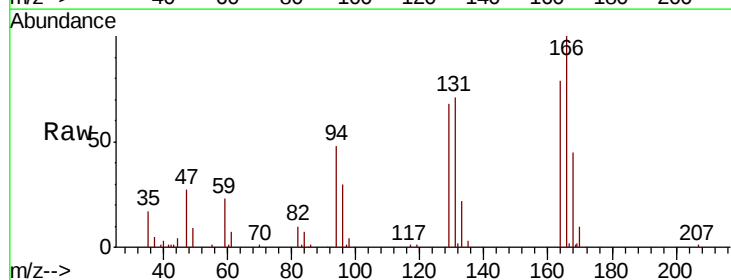
Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

Tot Ion:117 Resp: 265962
Ion Ratio Lower Upper
117 100
82 58.3 47.9 71.9
119 33.2 26.8 40.2



#64
Tetrachloroethene
Concen: 20.592 ug/l
RT: 8.17 min Scan# 765
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Tgt Ion:164 Resp: 43370
Ion Ratio Lower Upper
164 100
166 126.0 103.5 155.3
129 85.3 77.4 116.2
131 89.2 73.5 110.3

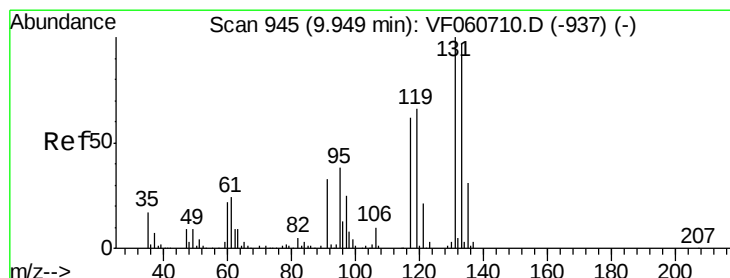
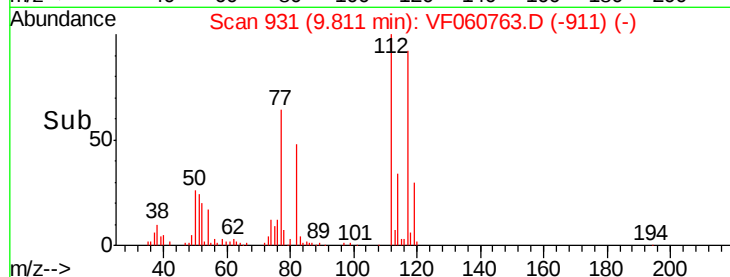
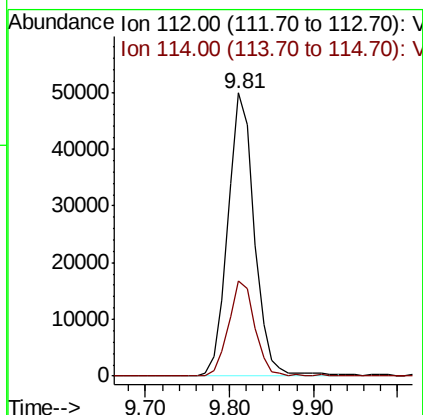
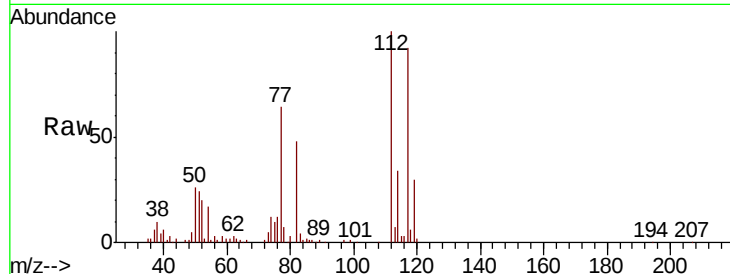




#65
Chlorobenzene
Concen: 20.429 ug/l
RT: 9.81 min Scan# 931
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

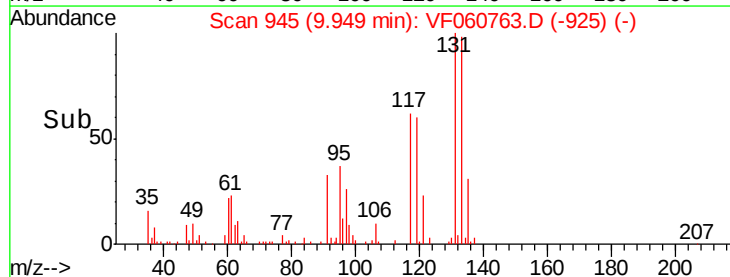
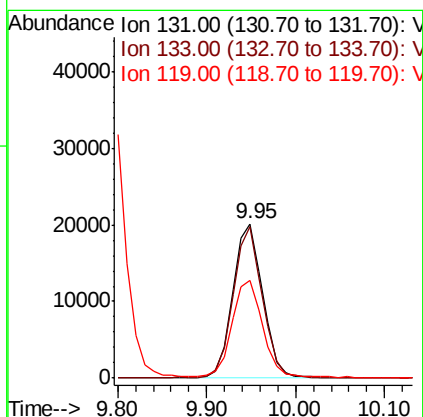
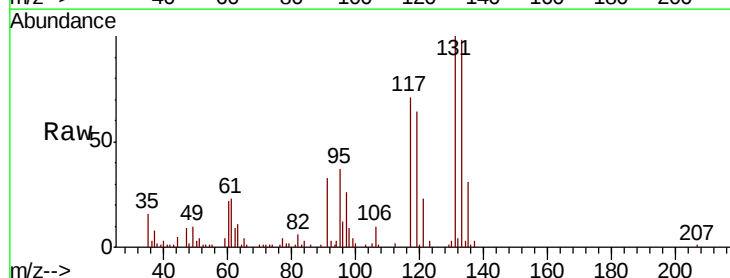
Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

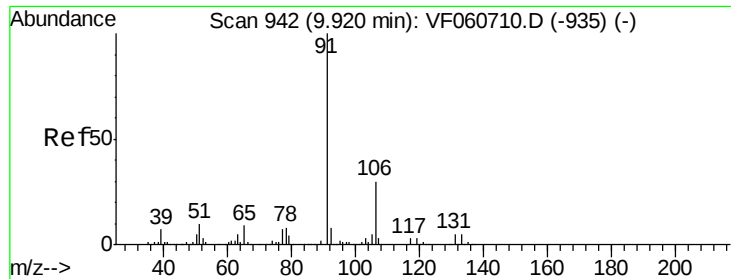
Tot Ion:112 Resp: 109639
Ion Ratio Lower Upper
112 100
114 33.8 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 20.148 ug/l
RT: 9.95 min Scan# 945
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Tgt Ion:131 Resp: 47163
Ion Ratio Lower Upper
131 100
133 97.9 48.3 144.8
119 63.6 33.2 99.6

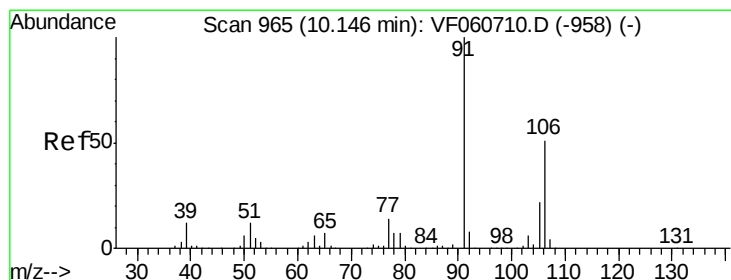
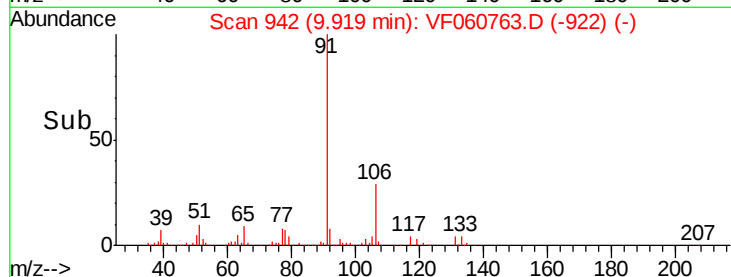
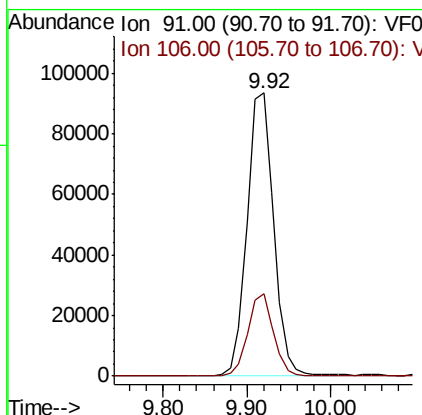
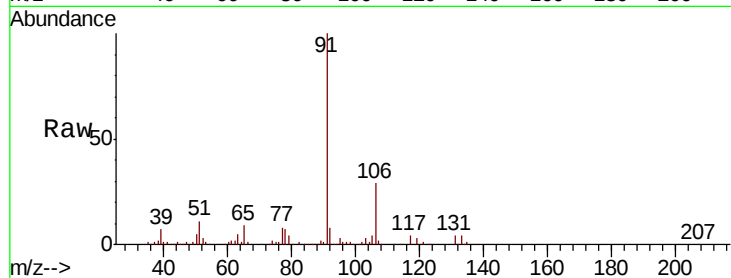




#67
Ethyl Benzene
Concen: 20.623 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

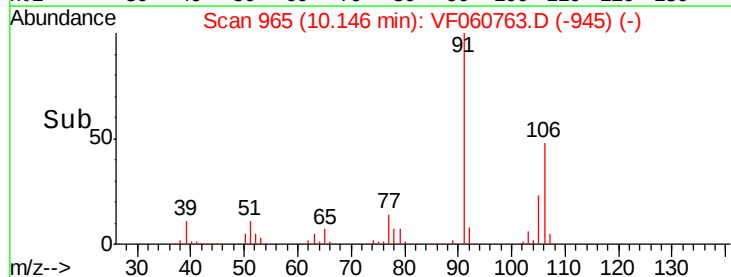
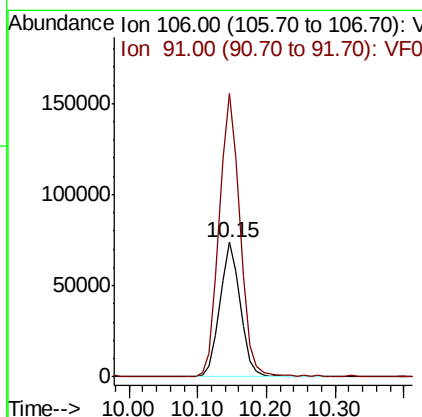
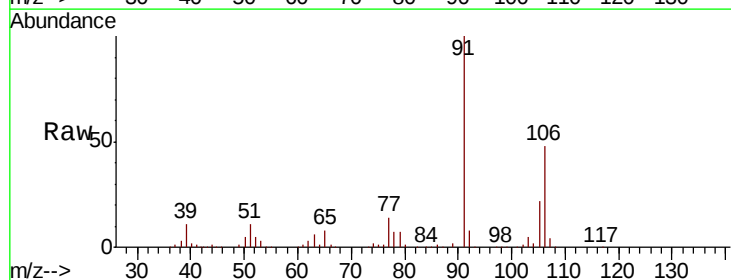
Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

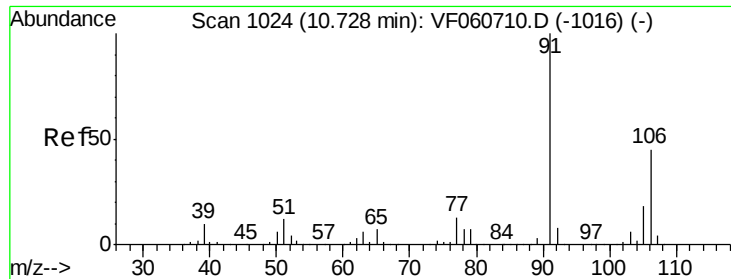
Tot Ion: 91 Resp: 208628
Ion Ratio Lower Upper
91 100
106 29.0 23.9 35.9



#68
m/p-Xylenes
Concen: 42.304 ug/l
RT: 10.15 min Scan# 965
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Tgt Ion: 106 Resp: 152943
Ion Ratio Lower Upper
106 100
91 210.0 158.2 237.2

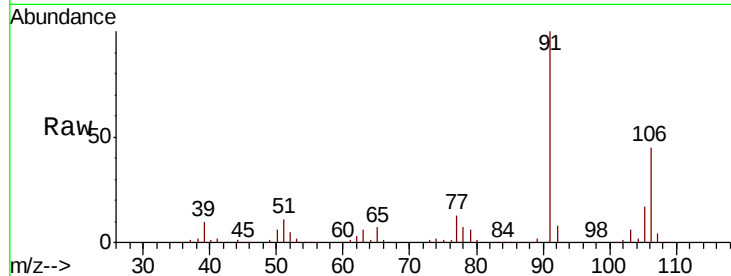




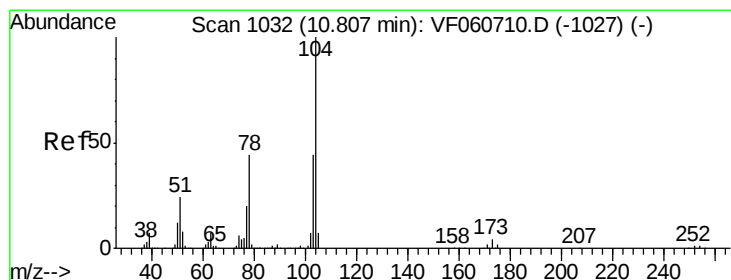
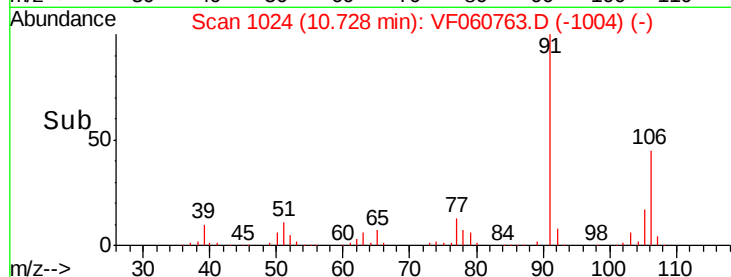
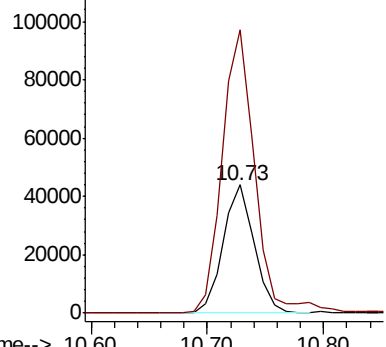
#69
o-Xylene
Concen: 20.090 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

Tot Ion:106 Resp: 81660
Ion Ratio Lower Upper
106 100
91 220.7 110.3 330.9

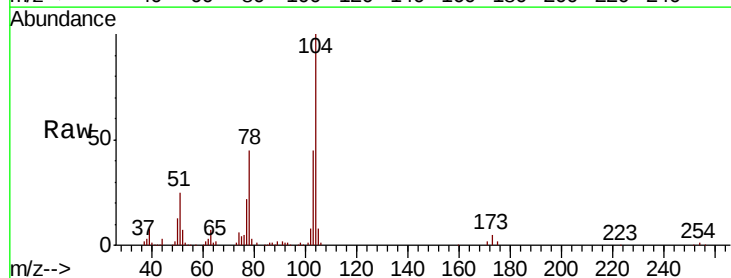


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

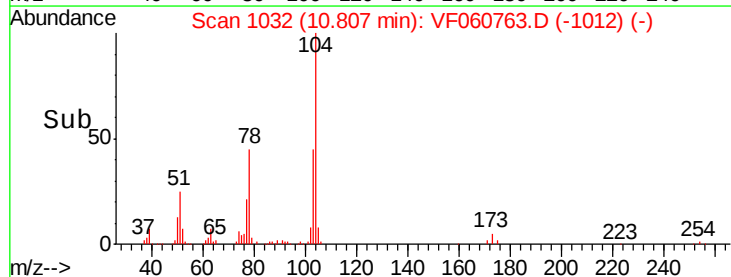
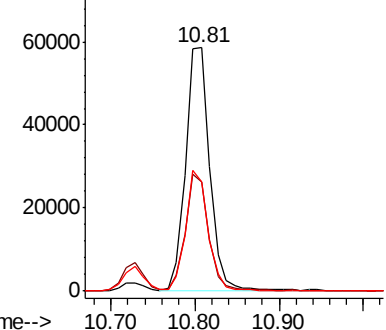


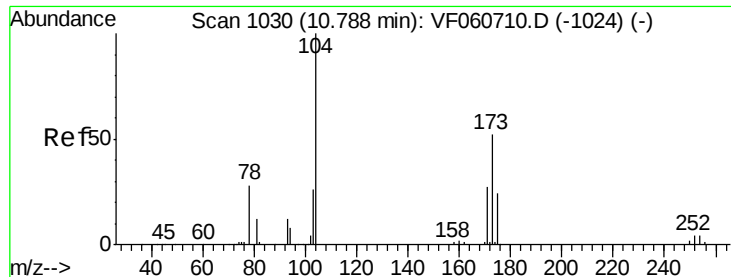
#70
Styrene
Concen: 21.104 ug/l
RT: 10.81 min Scan# 1032
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Tgt Ion:104 Resp: 116417
Ion Ratio Lower Upper
104 100
78 44.7 35.4 53.2
103 44.7 35.8 53.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 20.272 ug/l

RT: 10.79 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

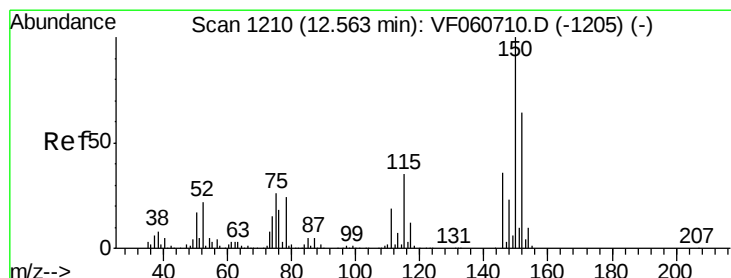
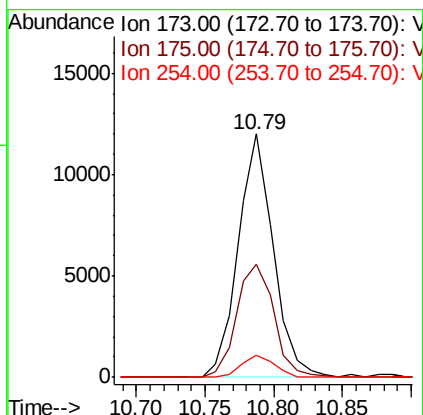
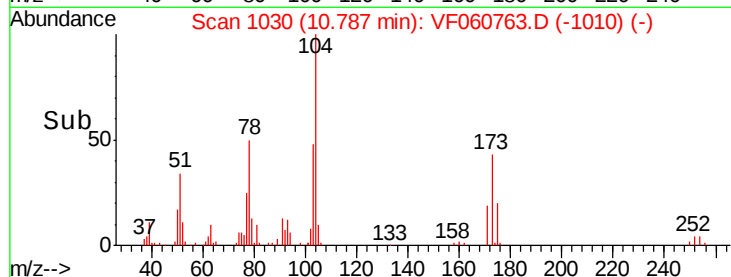
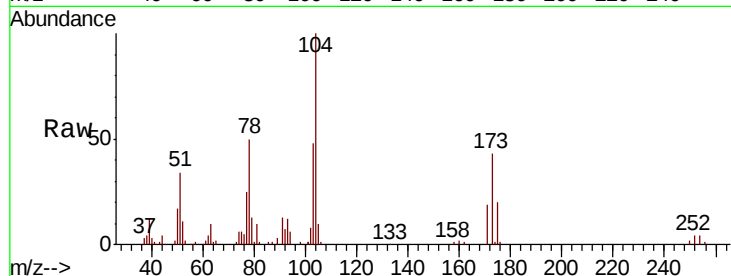
Tot Ion:173 Resp: 21339

Ion Ratio Lower Upper

173 100

175 46.4 23.4 70.0

254 9.0 5.8 8.8#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

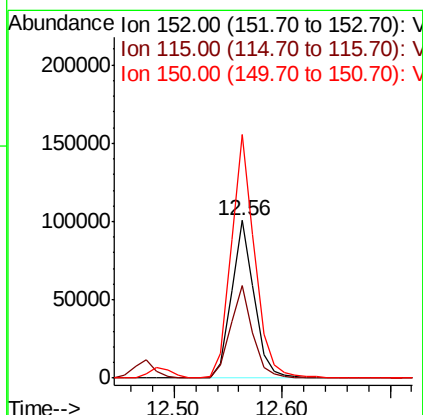
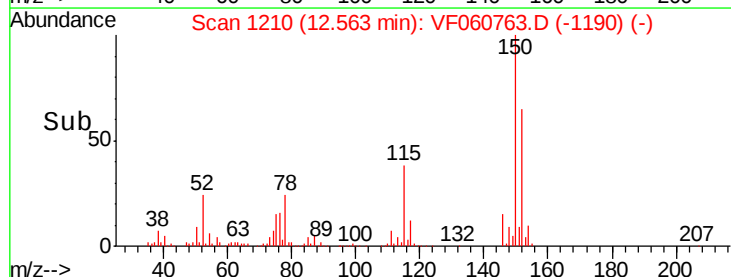
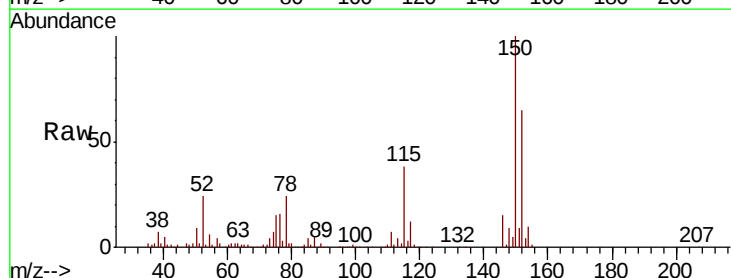
Tgt Ion:152 Resp: 147368

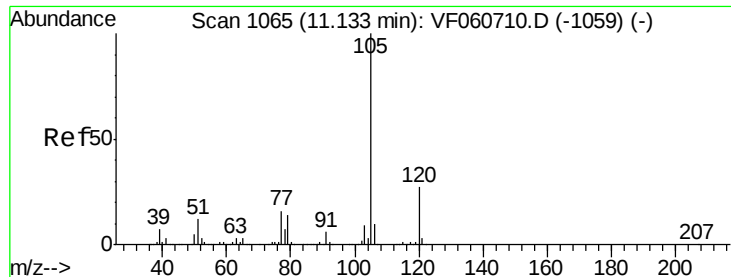
Ion Ratio Lower Upper

152 100

115 58.7 27.9 83.7

150 154.4 0.0 316.4





#73

Isopropylbenzene

Concen: 21.102 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

ClientSampleId :

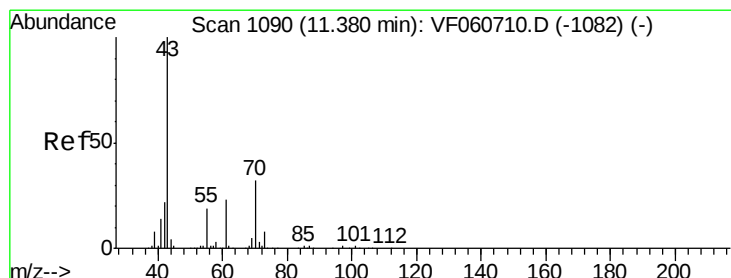
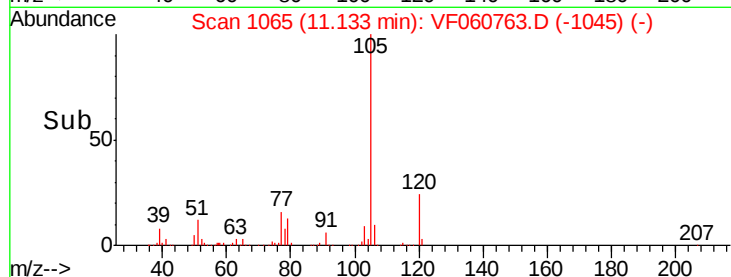
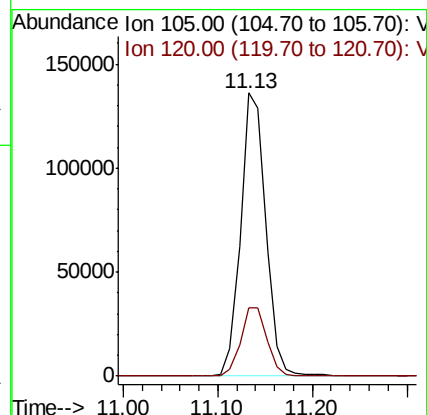
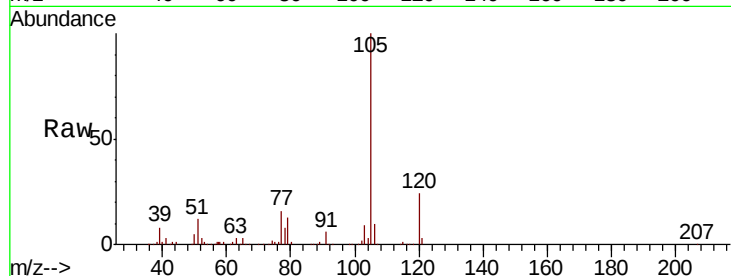
VF1116SBS01

Tot Ion:105 Resp: 250318

Ion Ratio Lower Upper

105 100

120 24.2 13.4 40.1



#74

N-ethyl acetate

Concen: 20.958 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Tgt Ion: 43 Resp: 56595

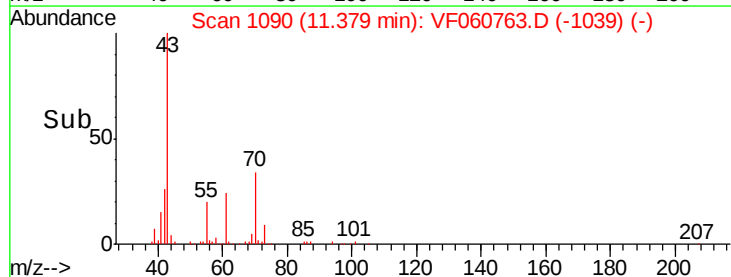
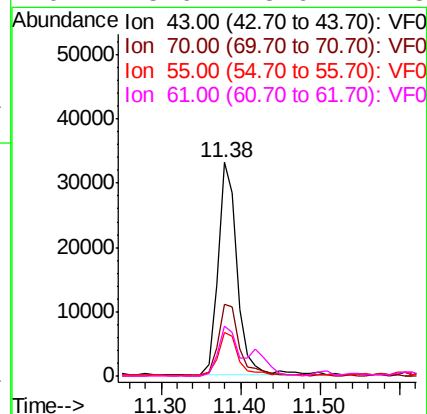
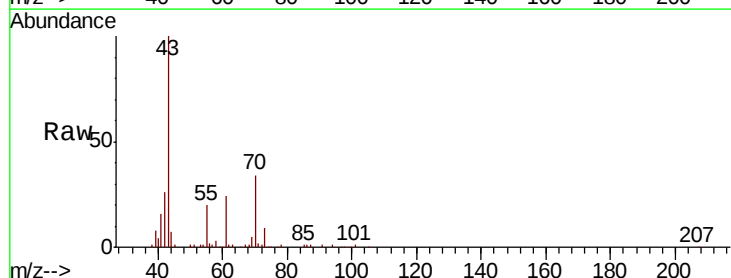
Ion Ratio Lower Upper

43 100

70 33.8 25.5 38.3

55 20.5 14.9 22.3

61 23.6 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 21.409 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

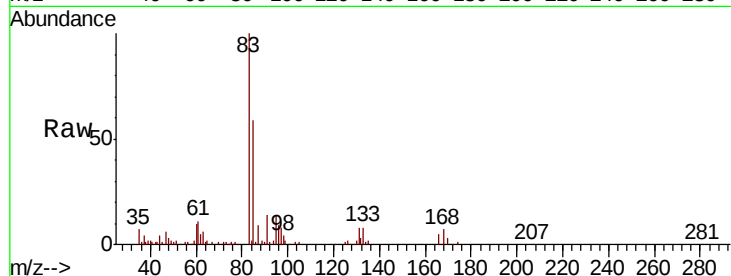
Tot Ion: 83 Resp: 41986

Ion Ratio Lower Upper

83 100

131 7.5 4.2 12.4

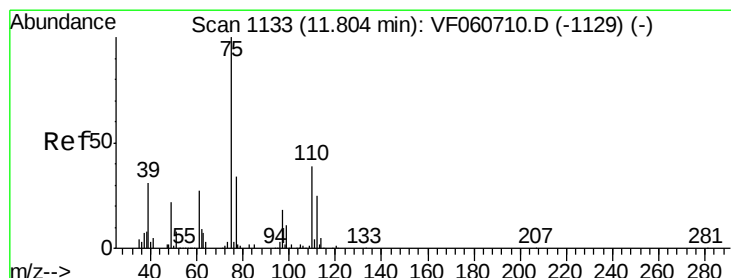
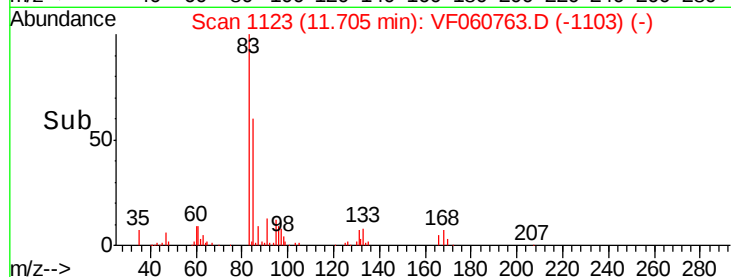
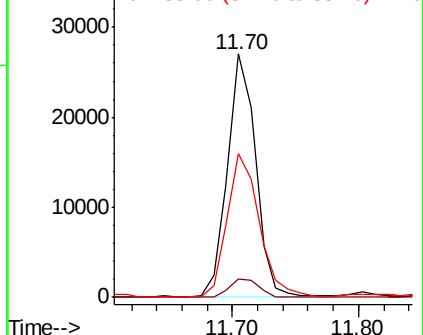
85 59.1 32.0 96.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 20.739 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VF060763.D

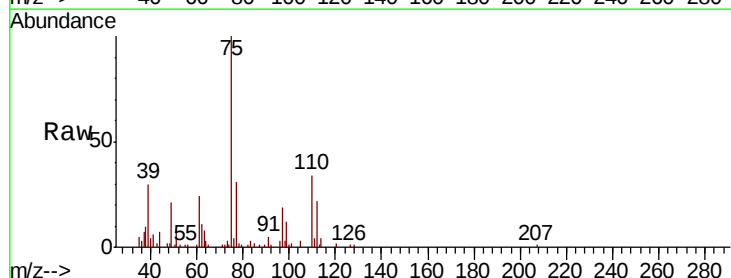
Acq: 16 Nov 2018 14:07

Tgt Ion: 75 Resp: 30207

Ion Ratio Lower Upper

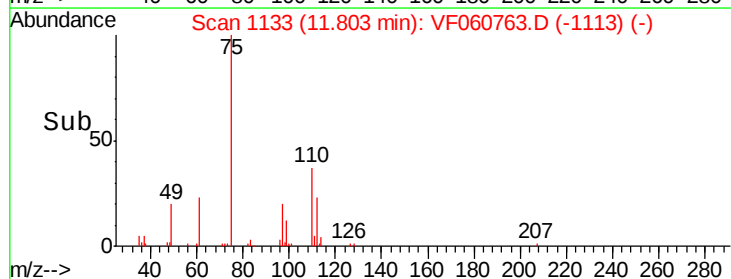
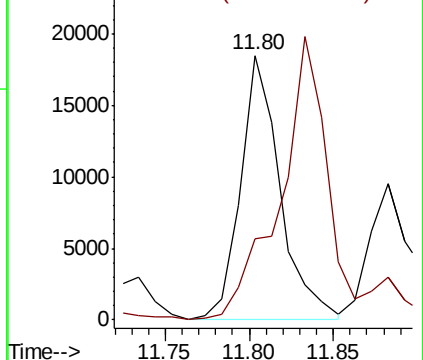
75 100

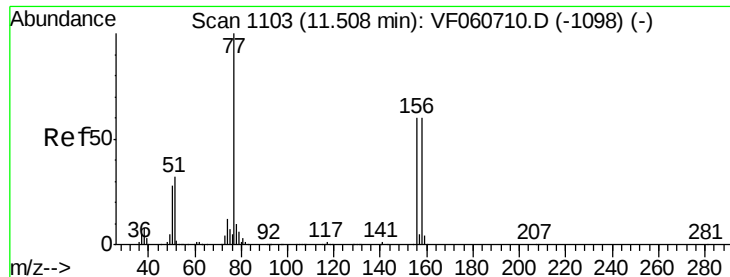
77 30.7 17.0 51.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.876 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

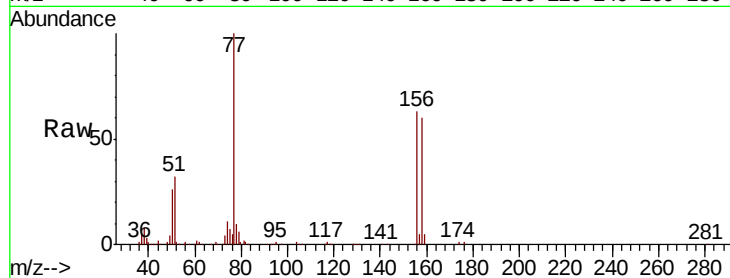
Tot Ion:156 Resp: 54014

Ion Ratio Lower Upper

156 100

77 159.3 83.0 248.9

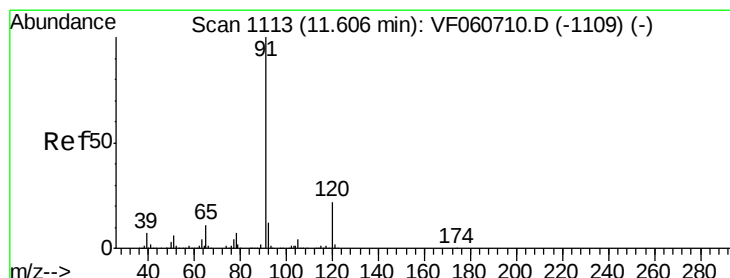
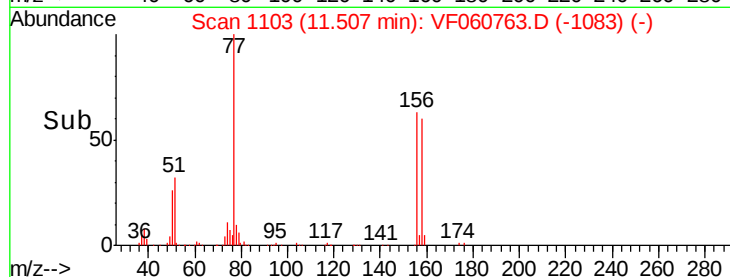
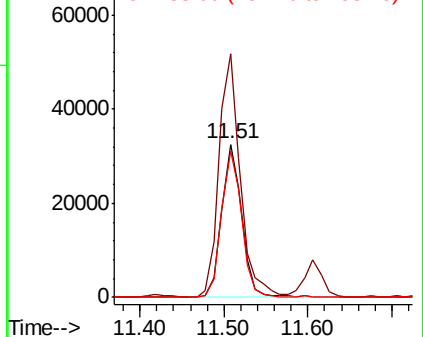
158 96.0 49.6 149.0



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: 20.776 ug/l

RT: 11.61 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF060763.D

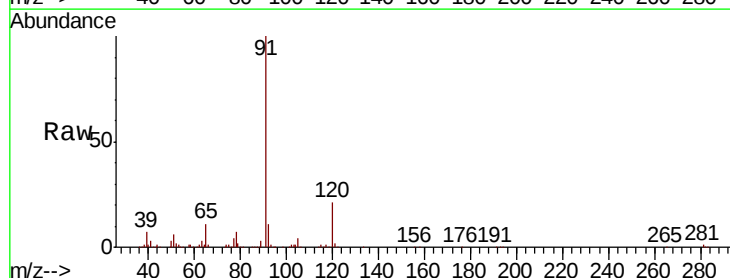
Acq: 16 Nov 2018 14:07

Tgt Ion: 91 Resp: 287424

Ion Ratio Lower Upper

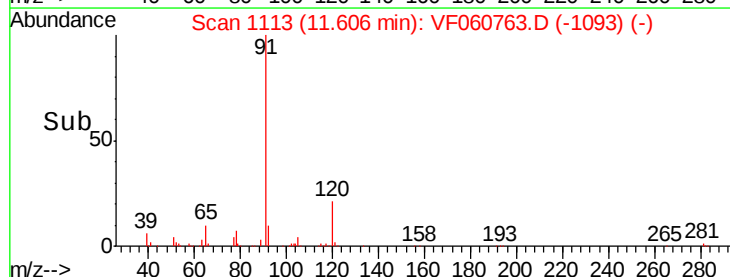
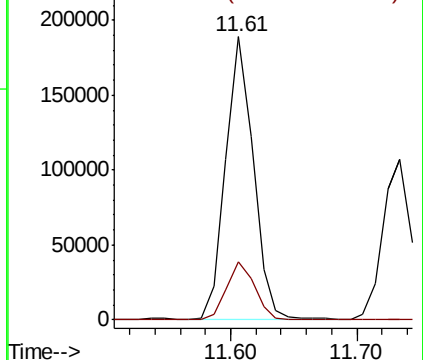
91 100

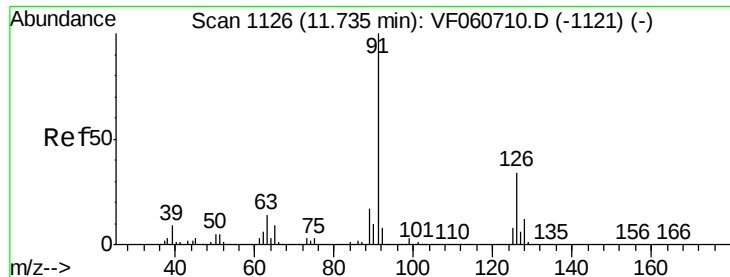
120 20.6 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.070 ug/l

RT: 11.73 min Scan# 1126

Delta R.T. -0.00 min

Lab File: VF060763.D

Acq: 16 Nov 2018 14:07

Instrument :

MSVOA_F

ClientSampleId :

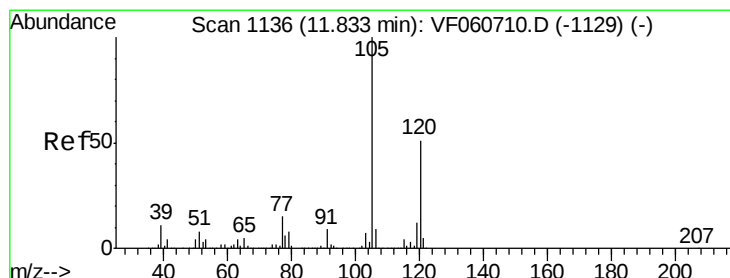
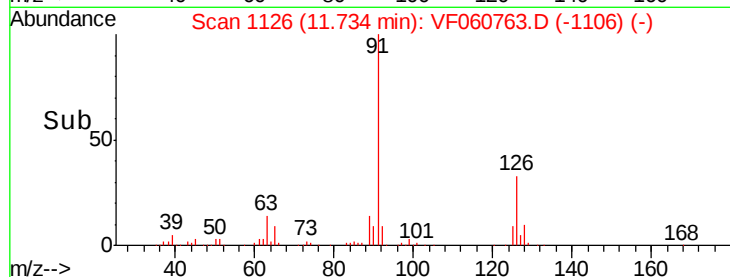
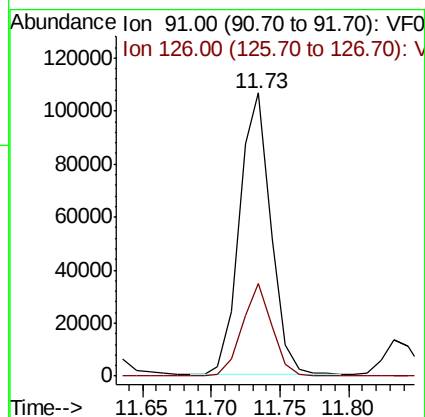
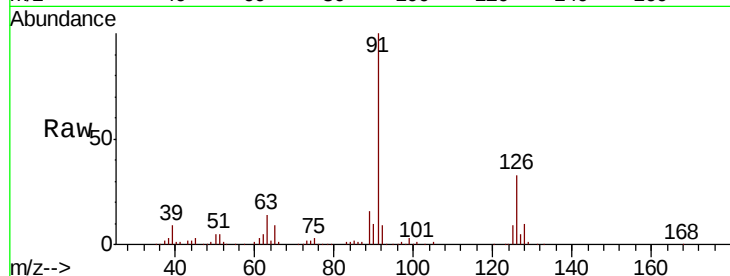
VF1116SBS01

Tot Ion: 91 Resp: 169419

Ion Ratio Lower Upper

91 100

126 32.9 16.8 50.4



#80

1,3,5-Trimethylbenzene

Concen: 22.175 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VF060763.D

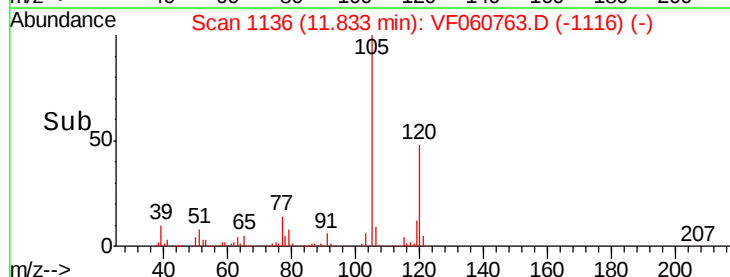
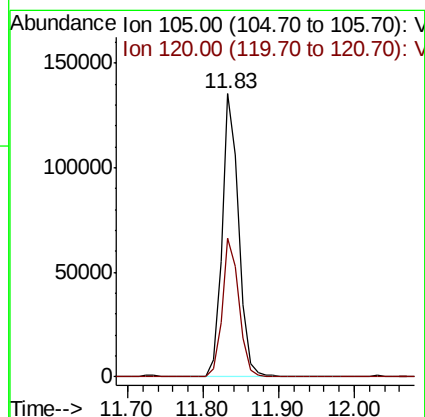
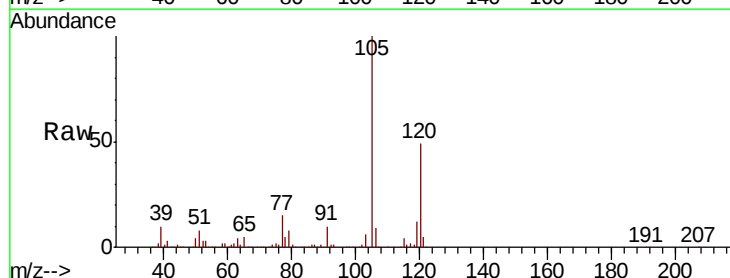
Acq: 16 Nov 2018 14:07

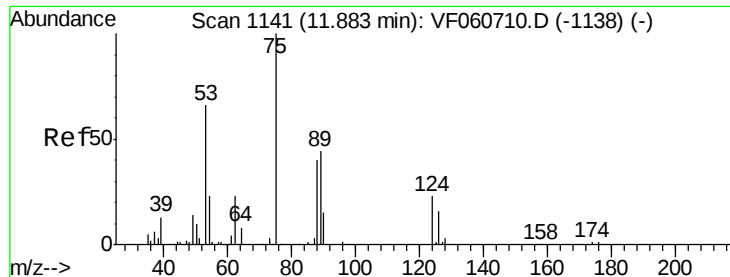
Tgt Ion: 105 Resp: 208831

Ion Ratio Lower Upper

105 100

120 48.8 25.6 76.8

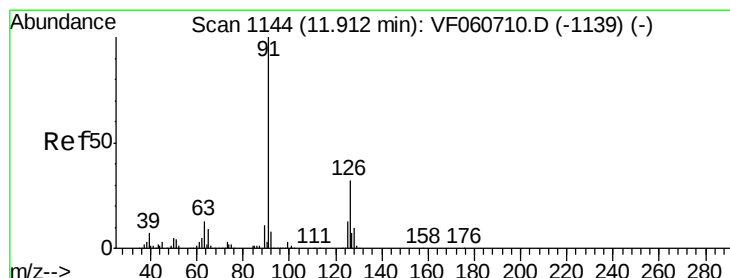
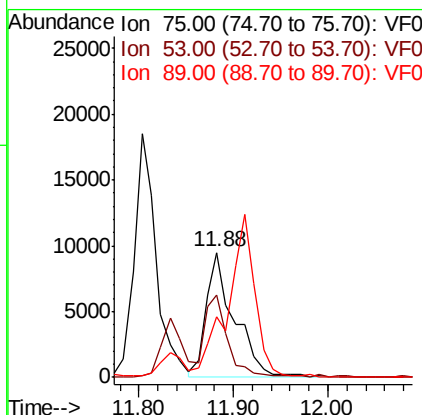
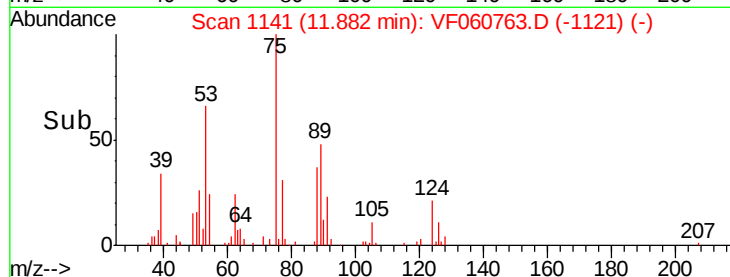
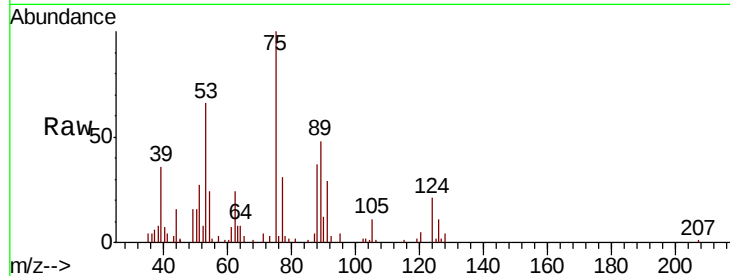




#81
trans-1,4-Dichloro-2-butene
Concen: 27.901 ug/l
RT: 11.88 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

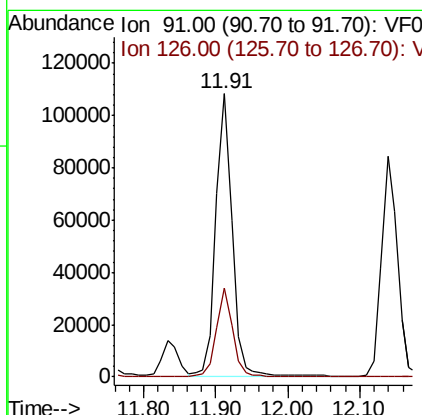
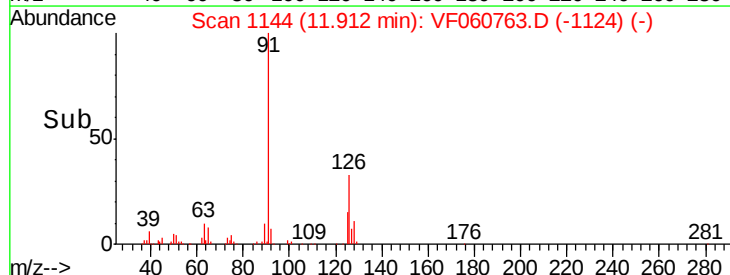
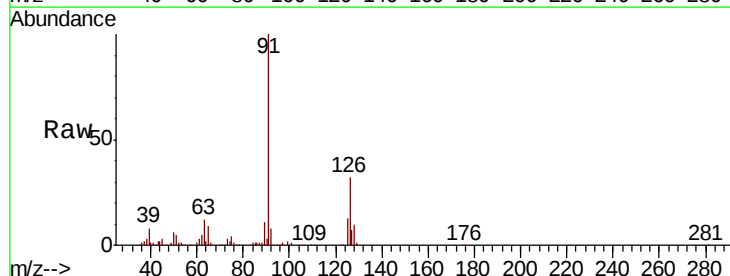
Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

Tot Ion: 75 Resp: 19965
Ion Ratio Lower Upper
75 100
53 65.7 57.0 85.4
89 48.2 37.8 56.8



#82
4-Chlorotoluene
Concen: 20.366 ug/l
RT: 11.91 min Scan# 1144
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Tgt Ion: 91 Resp: 167759
Ion Ratio Lower Upper
91 100
126 31.6 16.0 47.9

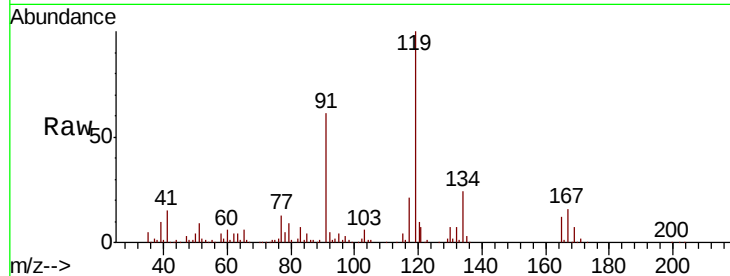




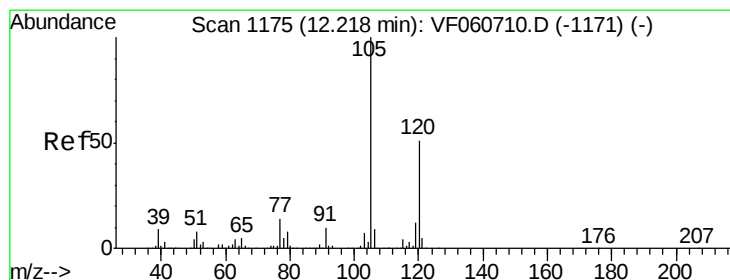
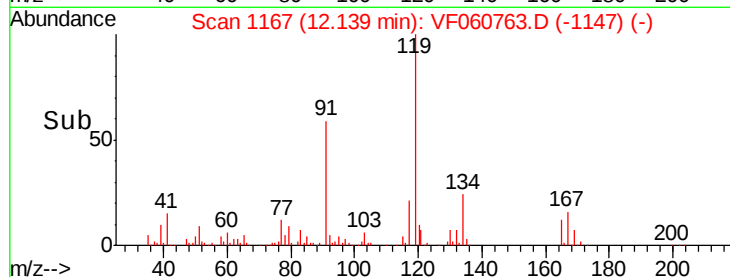
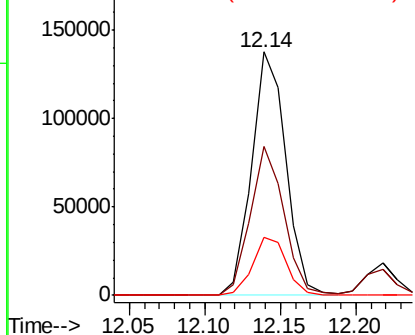
#83
 tert-Butylbenzene
 Concen: 21.861 ug/l
 RT: 12.14 min Scan# 1167
 Delta R.T. -0.00 min
 Lab File: VF060763.D
 Acq: 16 Nov 2018 14:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1116SBS01

Tot Ion:119 Resp: 218588
 Ion Ratio Lower Upper
 119 100
 91 61.4 31.4 94.3
 134 23.8 12.8 38.4

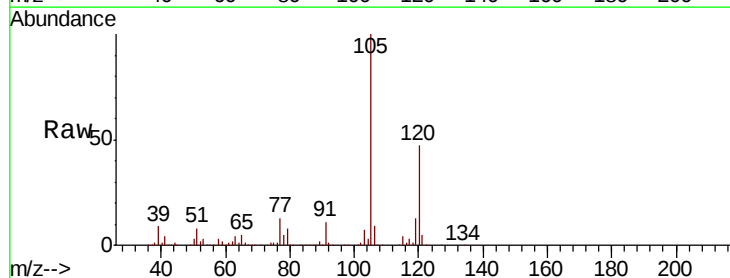


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

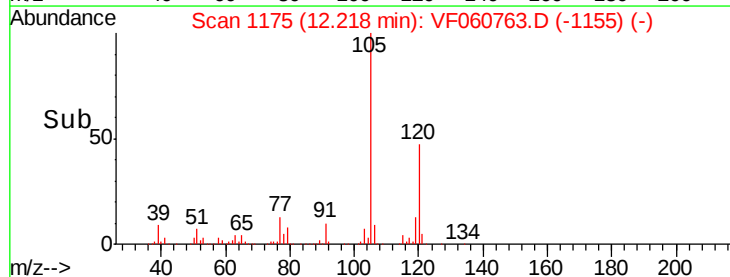
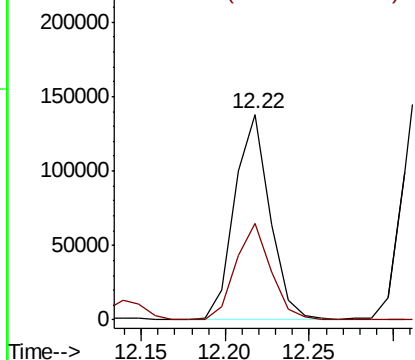


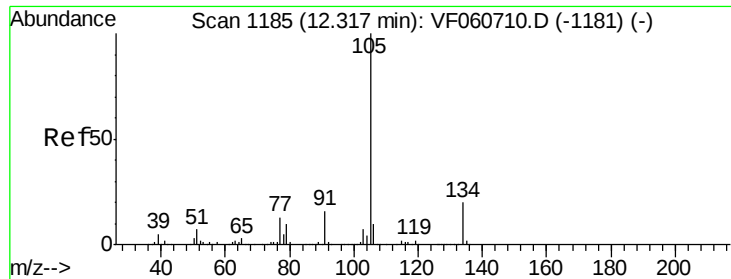
#84
 1,2,4-Trimethylbenzene
 Concen: 20.668 ug/l
 RT: 12.22 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VF060763.D
 Acq: 16 Nov 2018 14:07

Tgt Ion:105 Resp: 201304
 Ion Ratio Lower Upper
 105 100
 120 46.9 25.5 76.5



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

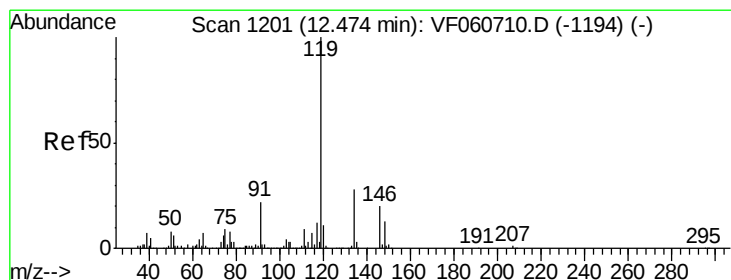
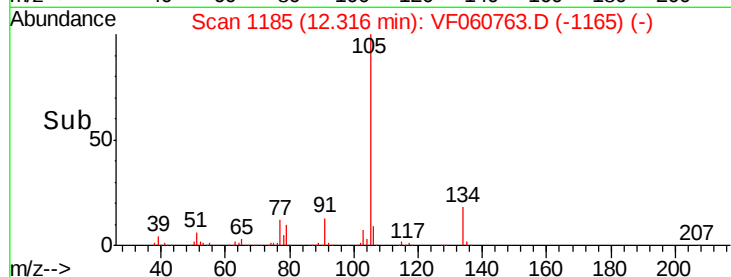
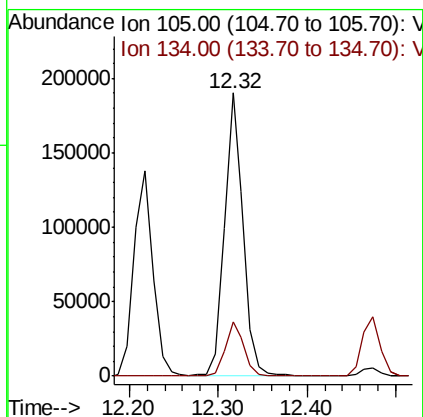
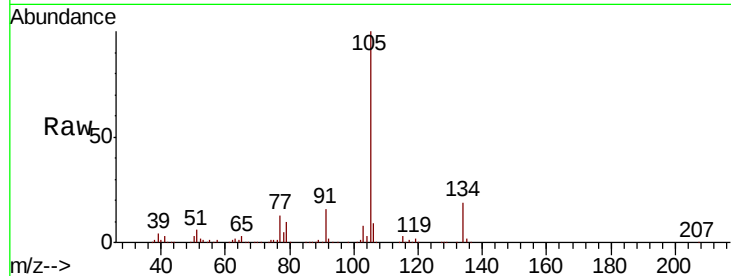




#85
 sec-Butylbenzene
 Concen: 20.640 ug/l
 RT: 12.32 min Scan# 1185
 Delta R.T. -0.00 min
 Lab File: VF060763.D
 Acq: 16 Nov 2018 14:07

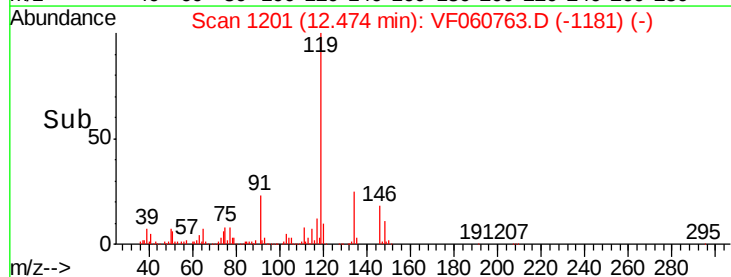
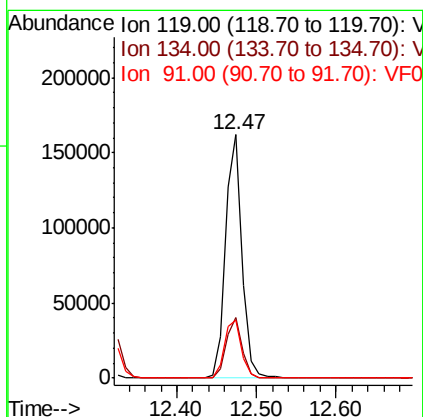
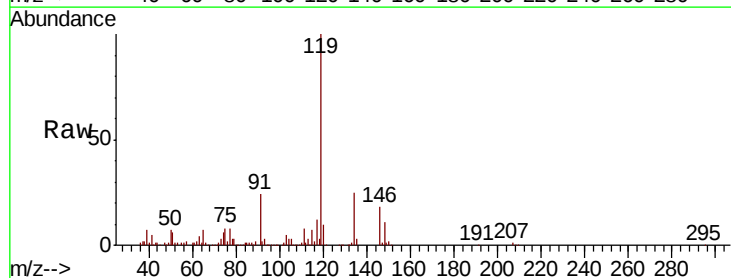
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1116SBS01

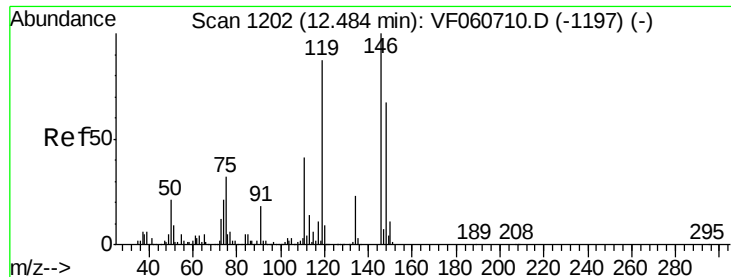
Tot Ion:105 Resp: 279957
 Ion Ratio Lower Upper
 105 100
 134 19.2 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 20.880 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF060763.D
 Acq: 16 Nov 2018 14:07

Tgt Ion:119 Resp: 236542
 Ion Ratio Lower Upper
 119 100
 134 24.8 13.9 41.7
 91 23.6 11.3 33.9

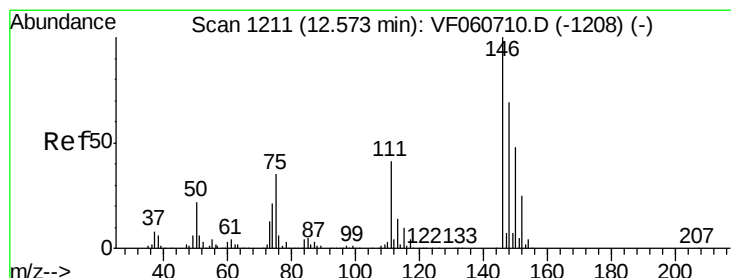
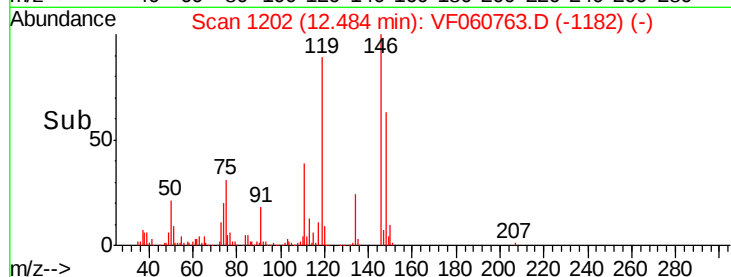
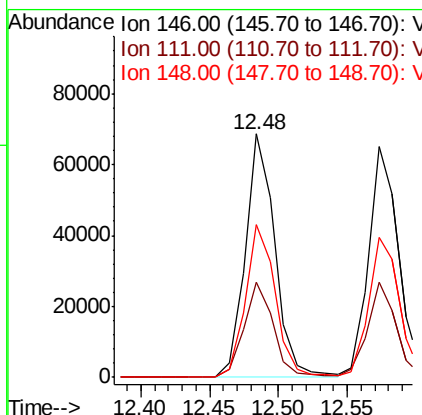
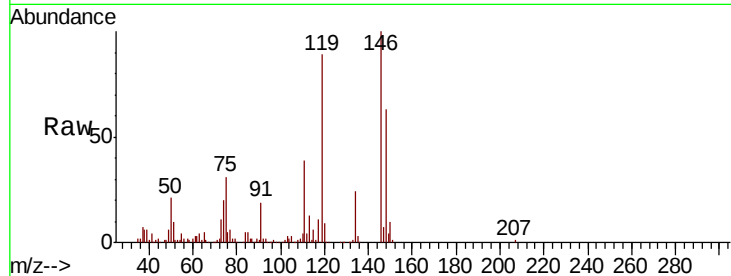




#87
 1,3-Dichlorobenzene
 Concen: 21.054 ug/l
 RT: 12.48 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VF060763.D
 Acq: 16 Nov 2018 14:07

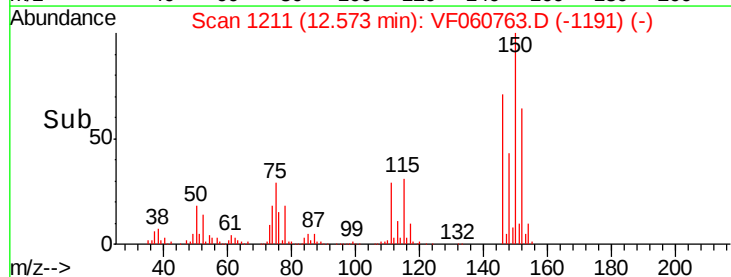
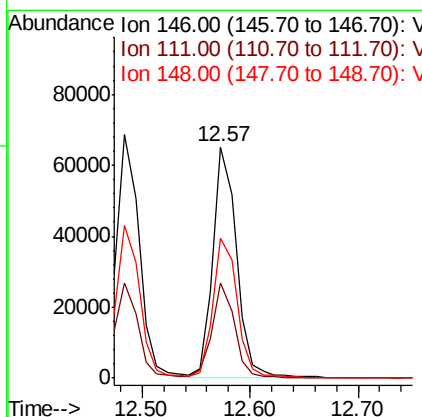
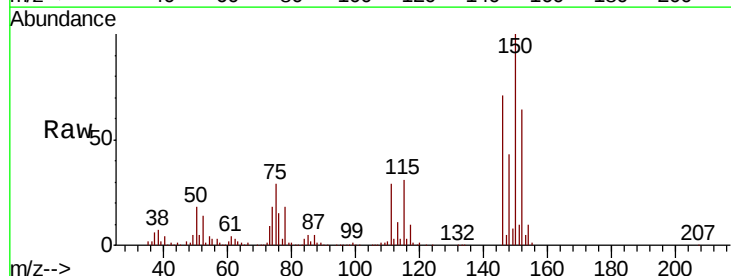
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1116SBS01

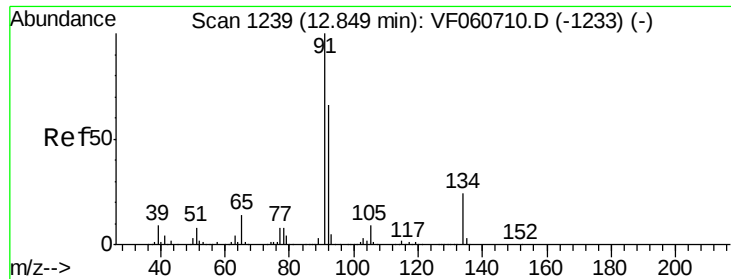
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.3	60.8
148	62.9	33.3	99.9



#88
 1,4-Dichlorobenzene
 Concen: 21.035 ug/l
 RT: 12.57 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: VF060763.D
 Acq: 16 Nov 2018 14:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.6	61.9
148	60.7	34.7	104.1

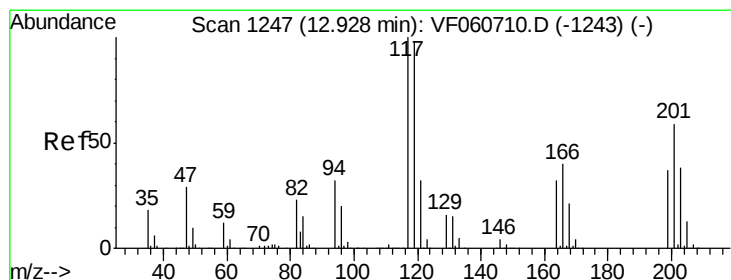
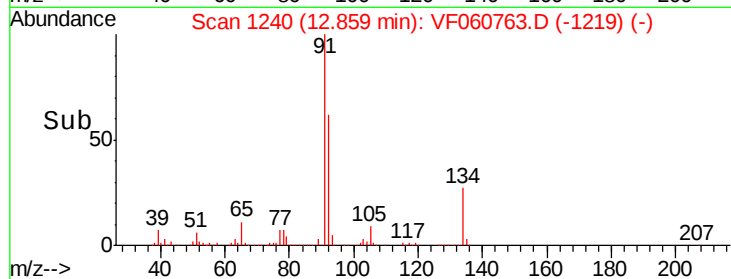
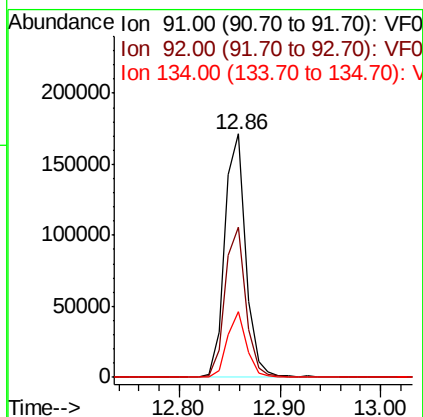
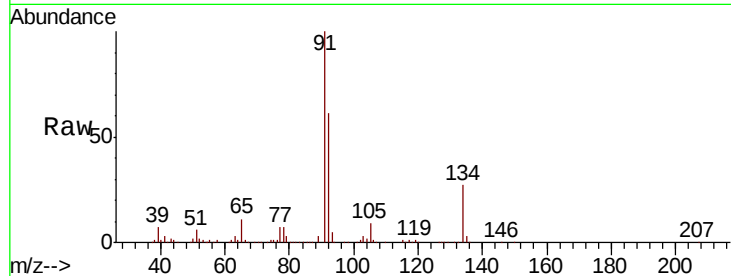




#89
n-Butylbenzene
Concen: 21.419 ug/l
RT: 12.86 min Scan# 1240
Delta R.T. 0.01 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

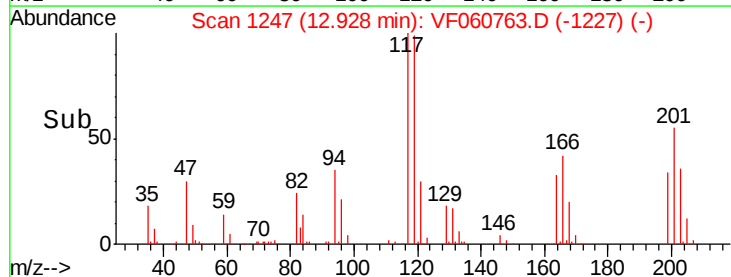
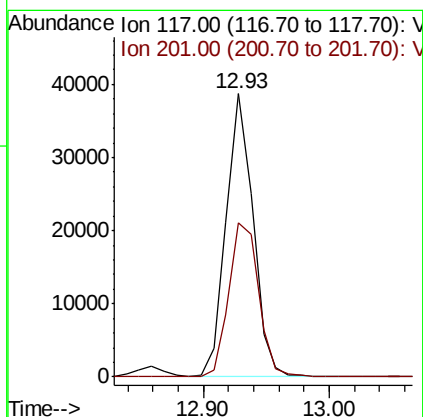
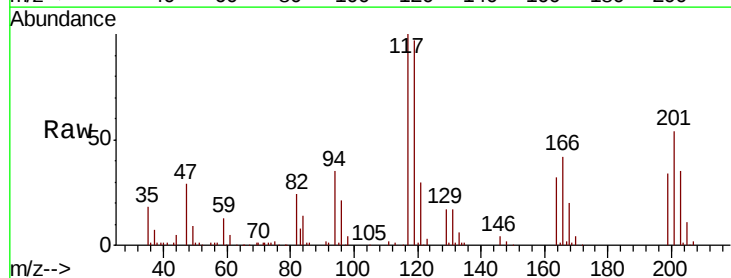
Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

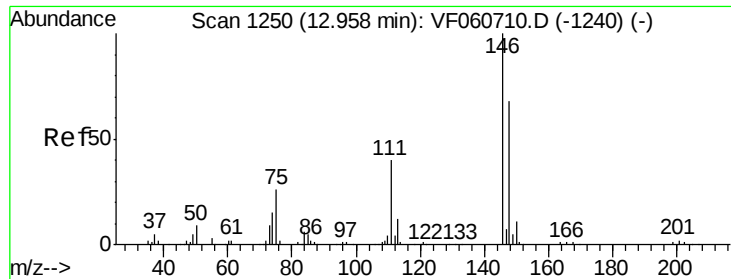
Tot Ion: 91 Resp: 247632
Ion Ratio Lower Upper
91 100
92 61.5 33.1 99.2
134 26.7 11.9 35.9



#90
Hexachloroethane
Concen: 20.701 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Tgt Ion: 117 Resp: 57359
Ion Ratio Lower Upper
117 100
201 54.3 29.4 88.3

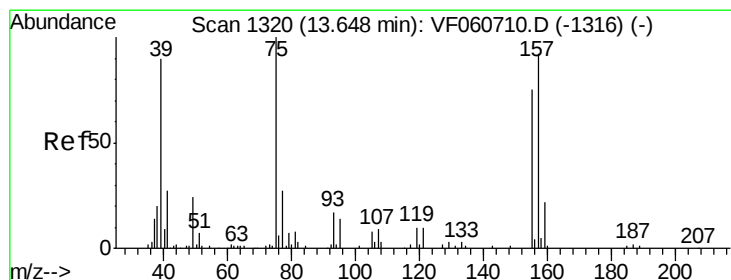
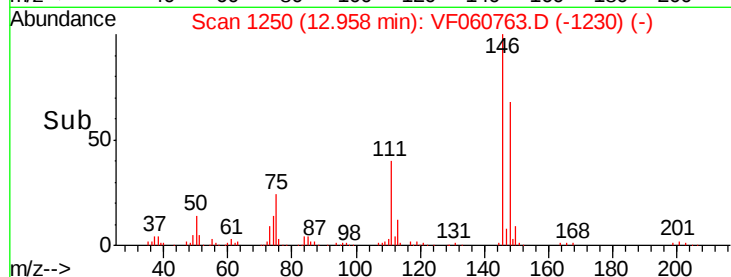
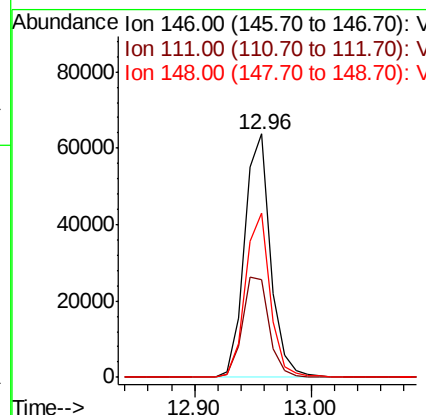
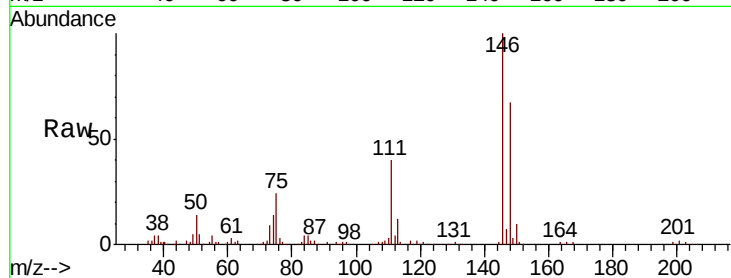




#91
 1,2-Dichlorobenzene
 Concen: 21.453 ug/l
 RT: 12.96 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VF060763.D
 Acq: 16 Nov 2018 14:07

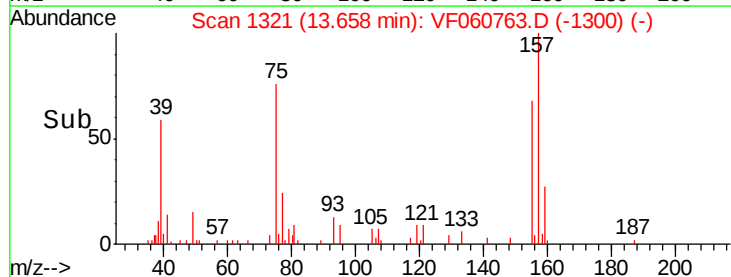
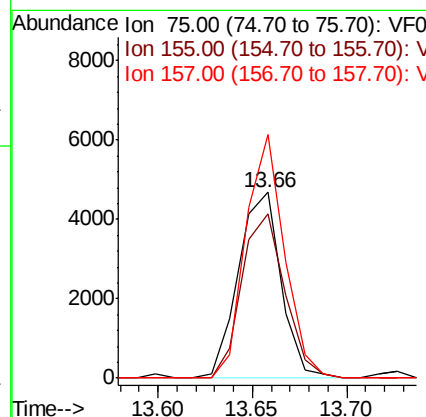
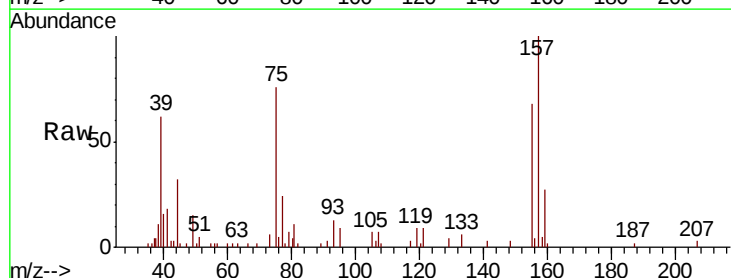
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1116SBS01

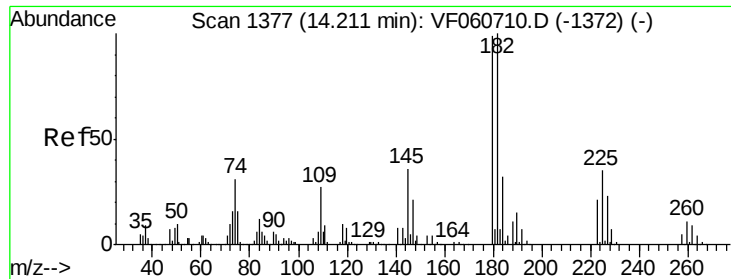
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.3	60.8
148	67.4	34.1	102.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.829 ug/l
 RT: 13.66 min Scan# 1321
 Delta R.T. 0.01 min
 Lab File: VF060763.D
 Acq: 16 Nov 2018 14:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.7	37.4	112.2
157	131.0	46.0	138.0

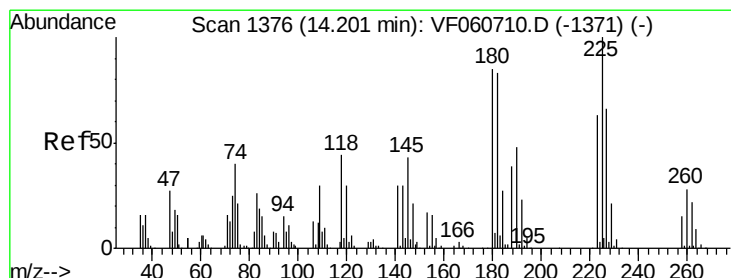
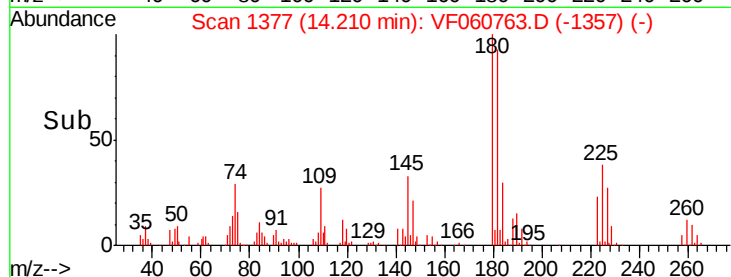
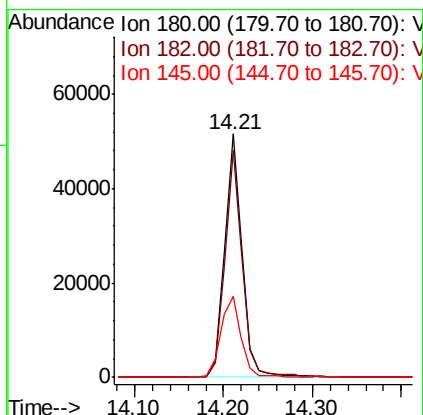
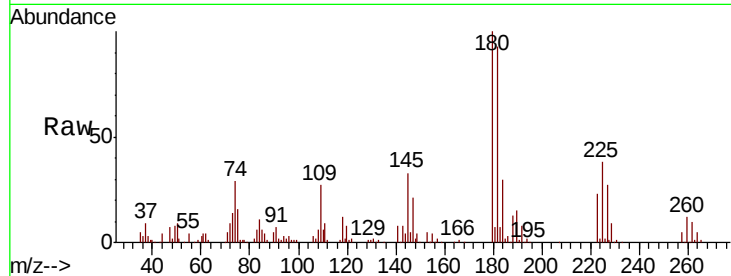




#93
 1,2,4-Trichlorobenzene
 Concen: 21.745 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VF060763.D
 Acq: 16 Nov 2018 14:07

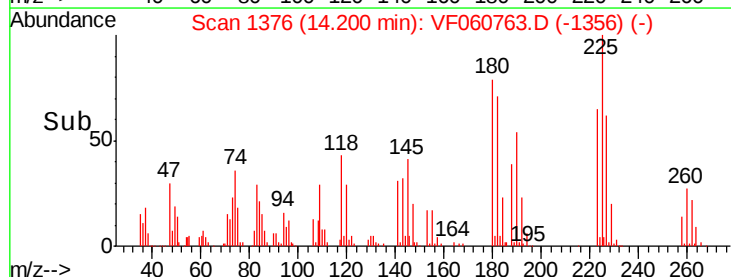
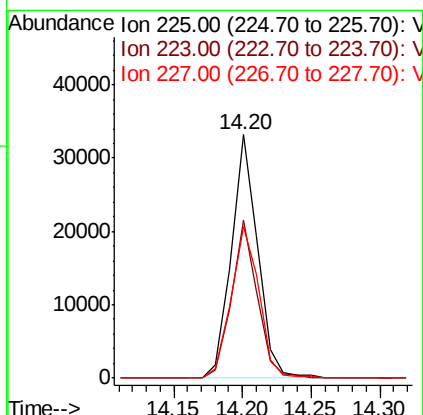
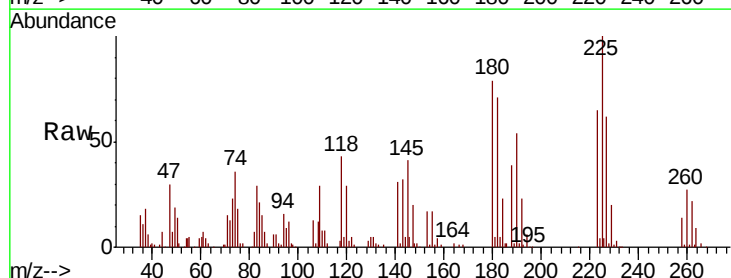
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1116SBS01

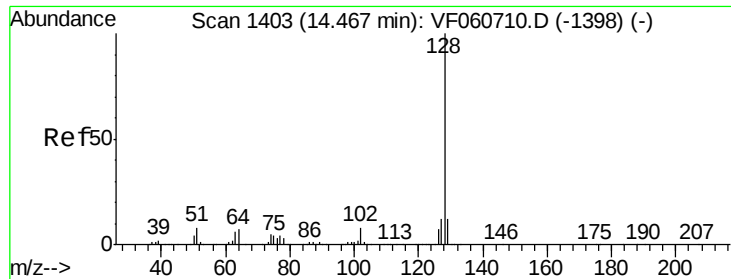
Tot Ion:180 Resp: 72310
 Ion Ratio Lower Upper
 180 100
 182 93.2 50.3 151.0
 145 33.1 18.3 54.9



#94
 Hexachlorobutadiene
 Concen: 20.349 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VF060763.D
 Acq: 16 Nov 2018 14:07

Tgt Ion:225 Resp: 44219
 Ion Ratio Lower Upper
 225 100
 223 64.7 31.5 94.5
 227 62.0 33.0 99.0

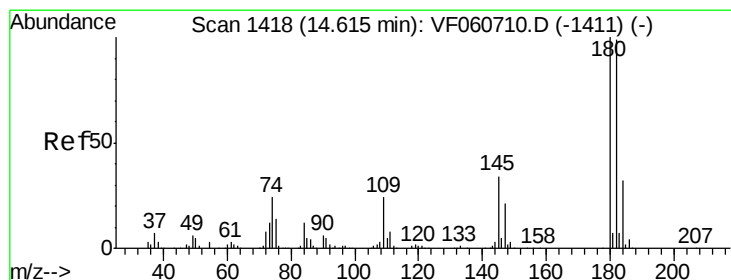
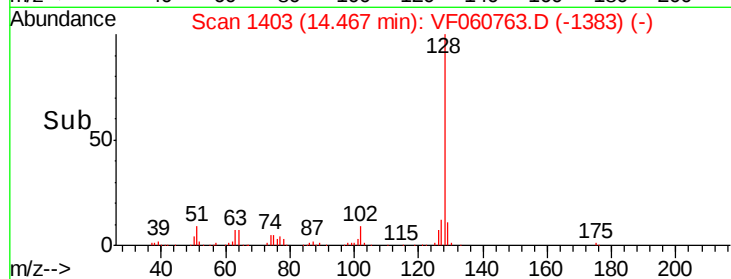
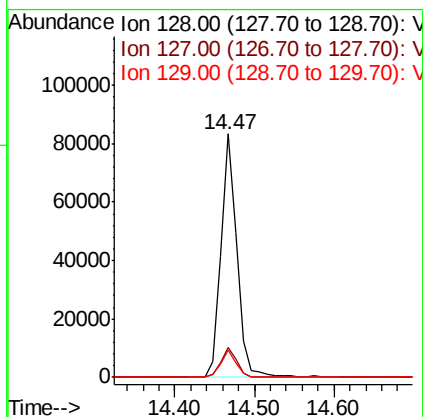
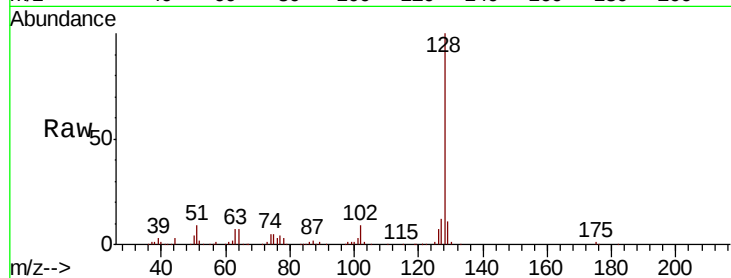




#95
Naphthalene
Concen: 19.624 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

Tot Ion:128 Resp: 119073
Ion Ratio Lower Upper
128 100
127 12.2 9.8 14.6
129 11.4 9.3 13.9



#96
1,2,3-Trichlorobenzene
Concen: 20.795 ug/l
RT: 14.61 min Scan# 1418
Delta R.T. -0.00 min
Lab File: VF060763.D
Acq: 16 Nov 2018 14:07

Tgt Ion:180 Resp: 63899
Ion Ratio Lower Upper
180 100
182 95.4 49.6 149.0
145 33.1 16.9 50.7

