

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111618\
 Data File : VF060764.D
 Acq On : 16 Nov 2018 14:36
 Operator : VA/AP
 Sample : VF1116SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1116SBSD01

Quant Time: Nov 17 04:22:01 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	4.89	168	191986	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.62	114	295971	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	285065	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	160203	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.86	65	105313	48.09	ug/l	0.00
Spiked Amount			Recovery	=	96.18%	
35) Dibromofluoromethane	4.13	113	114756	51.58	ug/l	0.00
Spiked Amount			Recovery	=	103.16%	
50) Toluene-d8	7.57	98	310745	54.78	ug/l	0.00
Spiked Amount			Recovery	=	109.56%	
62) 4-Bromofluorobenzene	11.42	95	152229	58.51	ug/l	0.00
Spiked Amount			Recovery	=	117.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	71060	20.682	ug/l	97
3) Chloromethane	1.11	50	49153	23.067	ug/l	93
4) Vinyl Chloride	1.15	62	42336	22.210	ug/l	93
5) Bromomethane	1.33	94	27752	22.920	ug/l	83
6) Chloroethane	1.38	64	15945	21.380	ug/l #	88
7) Trichlorofluoromethane	1.50	101	56607	13.429	ug/l	95
8) Diethyl Ether	1.63	74	12356	22.878	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.83	101	41895	21.091	ug/l	96
10) Methyl Iodide	1.90	142	65916	20.682	ug/l	94
11) Tert butyl alcohol	2.58	59	12917	129.609	ug/l #	90
12) 1,1-Dichloroethene	1.79	96	31979	20.417	ug/l	97
13) Acrolein	2.01	56	10932	119.967	ug/l	89
14) Allyl chloride	2.11	41	57316	20.888	ug/l	92
15) Acrylonitrile	2.96	53	25797	121.476	ug/l	97
16) Acetone	2.25	43	55212	117.959	ug/l	98
17) Carbon Disulfide	1.83	76	92625	19.566	ug/l #	90
18) Methyl Acetate	2.35	43	20477	26.643	ug/l	100
19) Methyl tert-butyl Ether	2.44	73	88010	23.422	ug/l	100
20) Methylene Chloride	2.19	84	18673	9.698	ug/l	88
21) trans-1,2-Dichloroethene	2.32	96	35593	21.750	ug/l	95
22) Diisopropyl ether	2.82	45	117950	22.265	ug/l	97
23) Vinyl Acetate	3.20	43	296658	118.919	ug/l	98
24) 1,1-Dichloroethane	2.89	63	72715	22.672	ug/l	99
25) 2-Butanone	4.35	43	91419	118.744	ug/l	96
26) 2,2-Dichloropropane	3.62	77	49636	19.667	ug/l	97
27) cis-1,2-Dichloroethene	3.49	96	55925	20.089	ug/l	98
28) Bromochloromethane	3.74	49	35774	21.463	ug/l	91
29) Tetrahydrofuran	4.09	42	40602	127.855	ug/l	95
30) Chloroform	3.88	83	100317	19.495	ug/l	92
31) Cyclohexane	3.71	56	80703	20.732	ug/l	98
32) 1,1,1-Trichloroethane	4.11	97	82597	20.383	ug/l	94
36) 1,1-Dichloropropene	4.30	75	76528	22.295	ug/l	99
37) Ethyl Acetate	4.13	43	37045	29.029	ug/l #	69
38) Carbon Tetrachloride	4.01	117	71920	21.593	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111618\
 Data File : VF060764.D
 Acq On : 16 Nov 2018 14:36
 Operator : VA/AP
 Sample : VF1116SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1116SBSD01

Quant Time: Nov 17 04:22:01 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)
39) Methylcyclohexane	5.47	83	88515	22.227	ug/l	97
40) Benzene	4.65	78	177775	23.234	ug/l	99
41) Methacrylonitrile	4.76	41	17666	23.686	ug/l	91
42) 1,2-Dichloroethane	4.96	62	60544	22.897	ug/l	92
43) Isopropyl Acetate	6.98	43	43475	25.694	ug/l #	93
44) Trichloroethene	5.52	130	54767	22.686	ug/l	88
45) 1,2-Dichloropropane	6.25	63	44170	22.184	ug/l	97
46) Dibromomethane	6.10	93	29147	22.176	ug/l	99
47) Bromodichloromethane	6.40	83	73126	21.788	ug/l	96
48) Methyl methacrylate	6.73	41	29666	26.492	ug/l	94
49) 1,4-Dioxane	6.72	88	4994	476.851	ug/l	95
51) 4-Methyl-2-Pentanone	8.27	43	163941	133.966	ug/l	100
52) Toluene	7.64	92	113332	22.103	ug/l	91
53) t-1,3-Dichloropropene	8.29	75	65453	24.348	ug/l	96
54) cis-1,3-Dichloropropene	7.32	75	77940	22.321	ug/l	91
55) 1,1,2-Trichloroethane	8.51	97	32985	22.515	ug/l	95
56) Ethyl methacrylate	8.64	69	43483	26.134	ug/l	93
57) 1,3-Dichloropropane	8.86	76	58335	22.976	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.64	63	16714	109.967	ug/l	100
59) 2-Hexanone	9.51	43	122517	142.460	ug/l	94
60) Dibromochloromethane	8.74	129	48138	23.055	ug/l	94
61) 1,2-Dibromoethane	9.00	107	37127	24.096	ug/l	92
64) Tetrachloroethene	8.17	164	48705	21.576	ug/l	93
65) Chlorobenzene	9.81	112	124465	21.637	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.95	131	52776	21.035	ug/l	96
67) Ethyl Benzene	9.92	91	226564	20.895	ug/l	97
68) m/p-Xylenes	10.15	106	165123	42.613	ug/l	87
69) o-Xylene	10.73	106	95056	21.819	ug/l	98
70) Styrene	10.81	104	131102	22.174	ug/l	99
71) Bromoform	10.79	173	26421	23.418	ug/l #	94
73) Isopropylbenzene	11.13	105	274445	21.283	ug/l	96
74) N-amyl acetate	11.38	43	76766	26.150	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.71	83	49706	23.315	ug/l	100
76) 1,2,3-Trichloropropane	11.80	75	33539	21.182	ug/l	95
77) Bromobenzene	11.51	156	59419	22.137	ug/l	95
78) n-propylbenzene	11.61	91	325030	21.612	ug/l	97
79) 2-Chlorotoluene	11.73	91	185793	21.255	ug/l	99
80) 1,3,5-Trimethylbenzene	11.83	105	221031	21.590	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.88	75	24092	30.971	ug/l	99
82) 4-Chlorotoluene	11.91	91	190992	21.328	ug/l	99
83) tert-Butylbenzene	12.14	119	234750	21.596	ug/l	99
84) 1,2,4-Trimethylbenzene	12.22	105	221431	20.913	ug/l	94
85) sec-Butylbenzene	12.32	105	313242	21.243	ug/l	95
86) p-Isopropyltoluene	12.47	119	271990	22.086	ug/l	98
87) 1,3-Dichlorobenzene	12.48	146	117662	22.027	ug/l	99
88) 1,4-Dichlorobenzene	12.57	146	110289	21.483	ug/l	95
89) n-Butylbenzene	12.86	91	268720	21.381	ug/l	93
90) Hexachloroethane	12.93	117	60386	20.047	ug/l	96
91) 1,2-Dichlorobenzene	12.96	146	112694	22.406	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.65	75	8211	20.491	ug/l	92

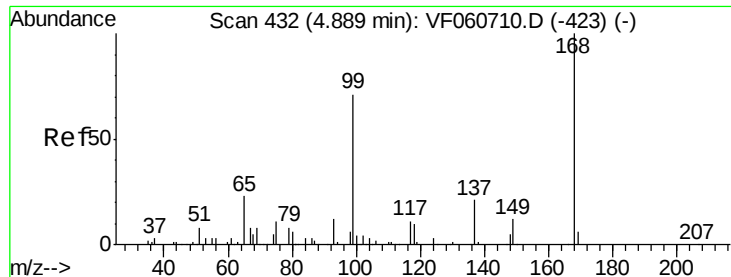
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF111618\
Data File : VF060764.D
Acq On : 16 Nov 2018 14:36
Operator : VA/AP
Sample : VF1116SBSD01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF1116SBSD01

Quant Time: Nov 17 04:22:01 2018
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	14.21	180	75826	20.975	ug/l	93
94) Hexachlorobutadiene	14.20	225	46817	19.818	ug/l	97
95) Naphthalene	14.47	128	150424	22.805	ug/l	100
96) 1,2,3-Trichlorobenzene	14.61	180	75714	22.666	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

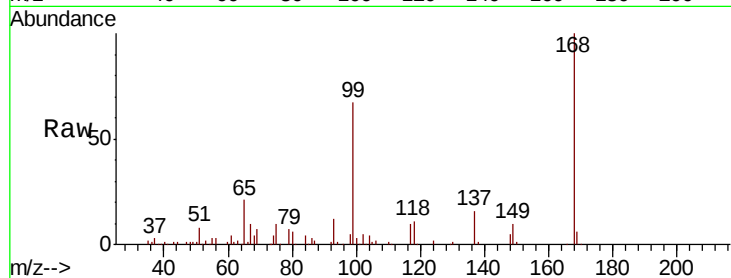
VF1116SBS01

Tot Ion:168 Resp: 191986

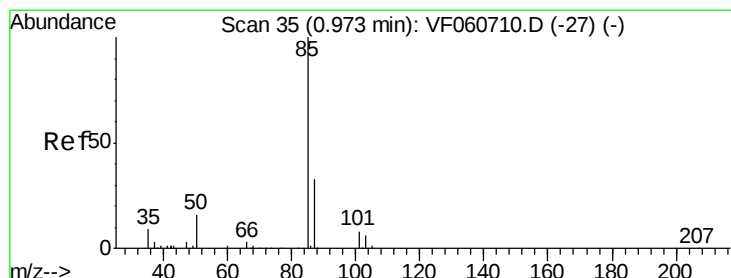
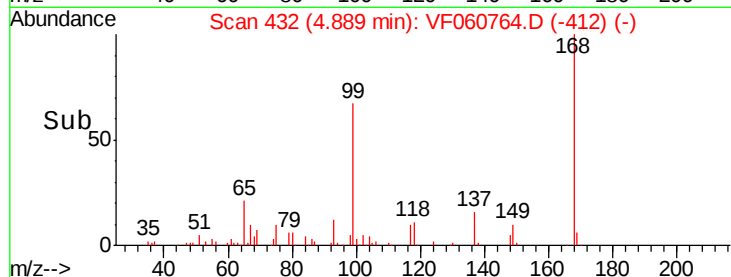
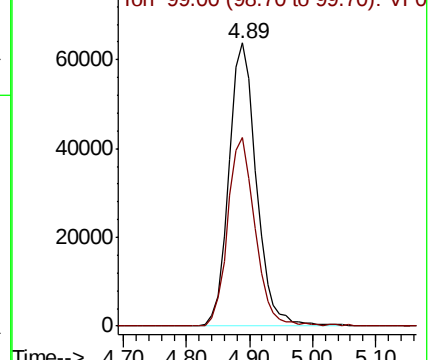
Ion Ratio Lower Upper

168 100

99 66.8 57.2 85.8



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 20.682 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060764.D

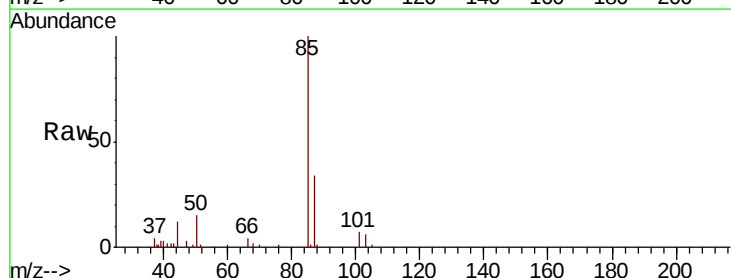
Acq: 16 Nov 2018 14:36

Tgt Ion: 85 Resp: 71060

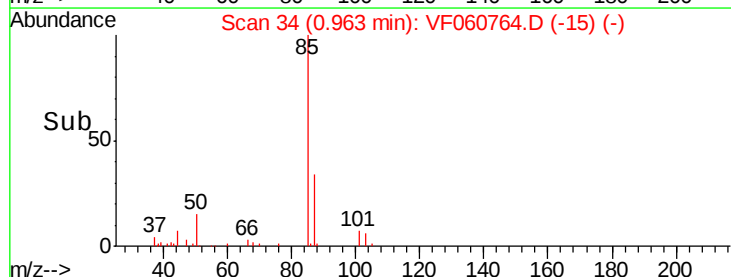
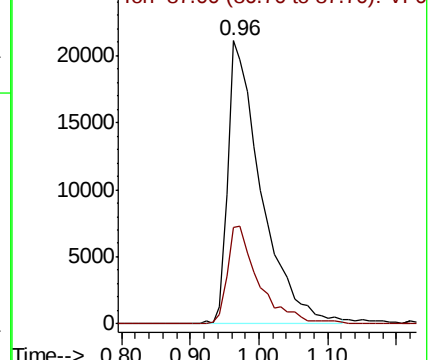
Ion Ratio Lower Upper

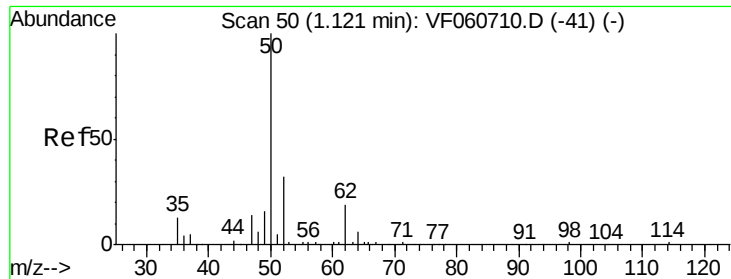
85 100

87 34.1 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 23.067 ug/l

RT: 1.11 min Scan# 49

Delta R.T. -0.01 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

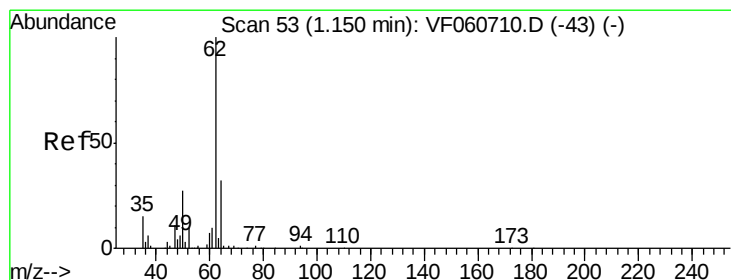
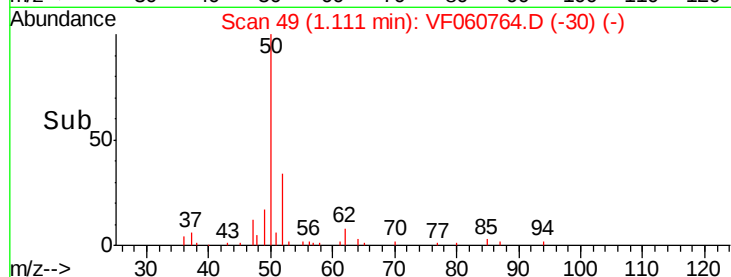
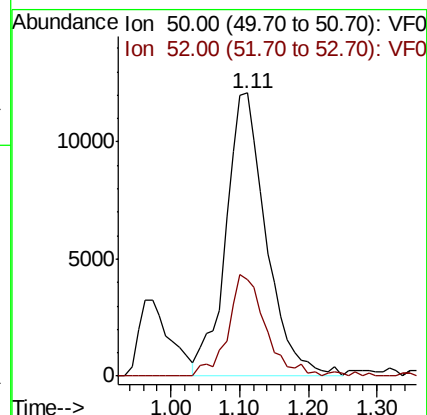
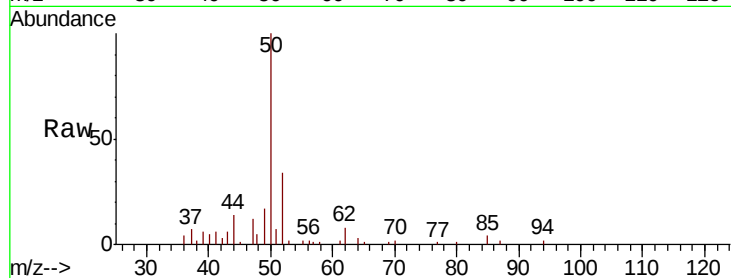
VF1116SBS01

Tot Ion: 50 Resp: 49153

Ion Ratio Lower Upper

50 100

52 34.1 24.2 36.2



#4

Vinyl Chloride

Concen: 22.210 ug/l

RT: 1.15 min Scan# 53

Delta R.T. -0.00 min

Lab File: VF060764.D

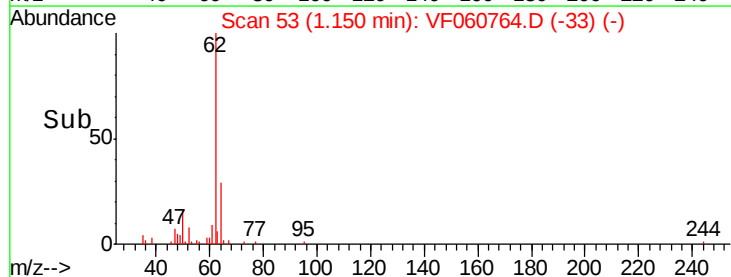
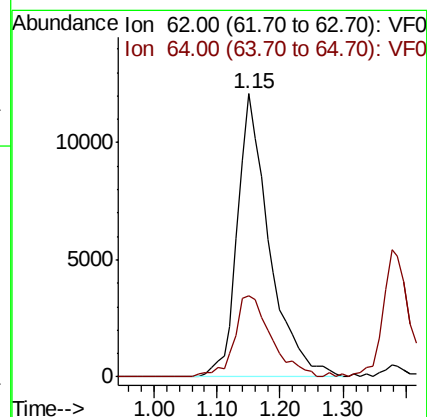
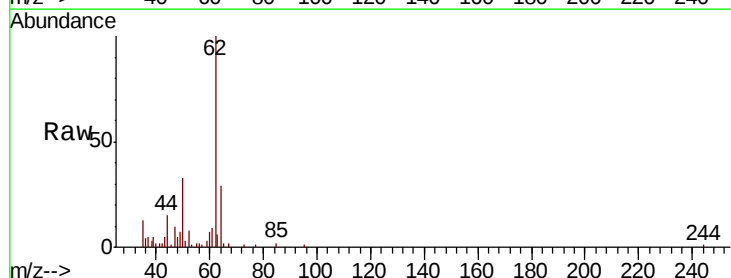
Acq: 16 Nov 2018 14:36

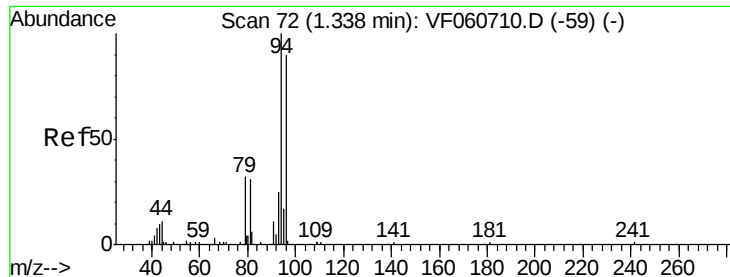
Tgt Ion: 62 Resp: 42336

Ion Ratio Lower Upper

62 100

64 28.6 25.8 38.8





#5

Bromomethane

Concen: 22.920 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

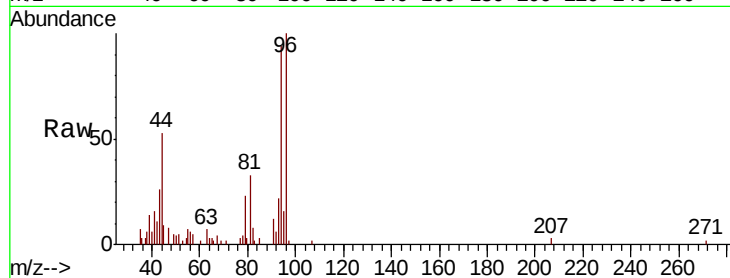
VF1116SBS01

Tot Ion: 94 Resp: 27752

Ion Ratio Lower Upper

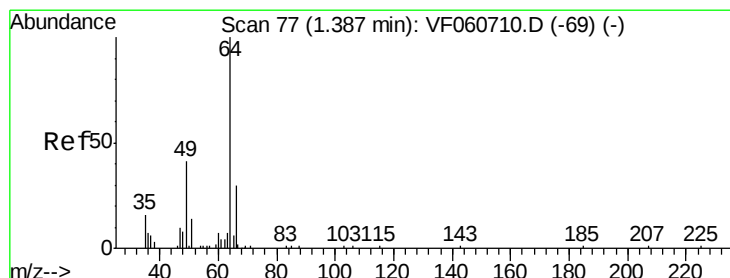
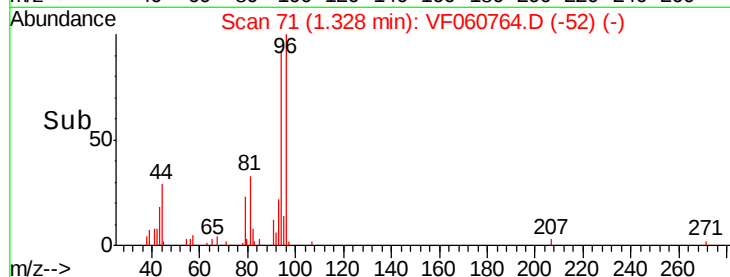
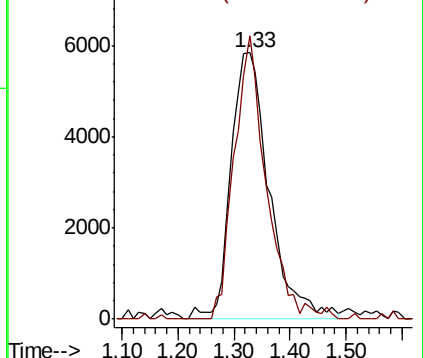
94 100

96 106.2 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: 21.380 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF060764.D

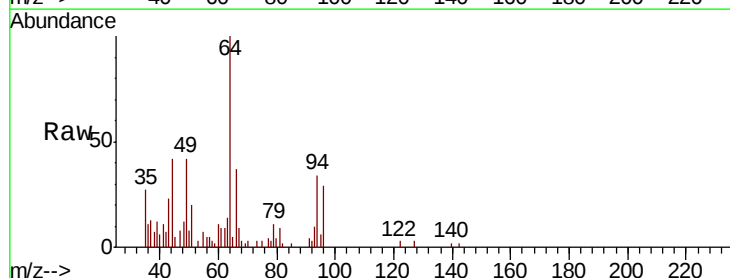
Acq: 16 Nov 2018 14:36

Tgt Ion: 64 Resp: 15945

Ion Ratio Lower Upper

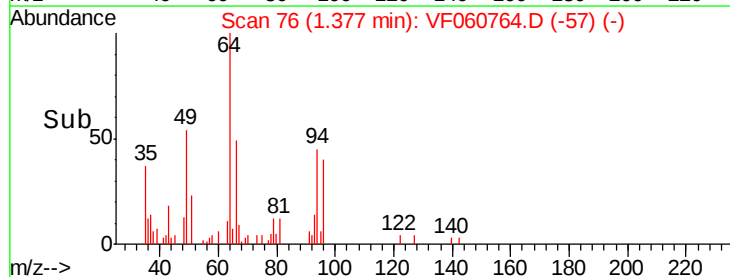
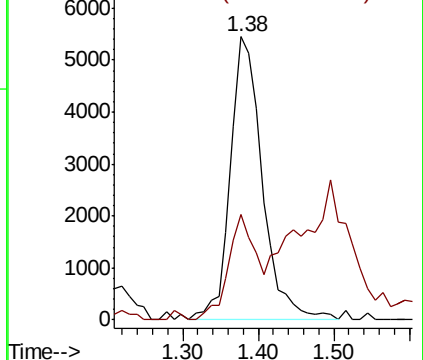
64 100

66 37.3 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: 13.429 ug/l

RT: 1.50 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

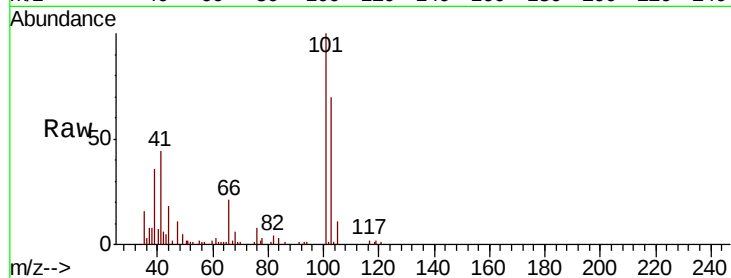
VF1116SBS01

Tot Ion:101 Resp: 56607

Ion Ratio Lower Upper

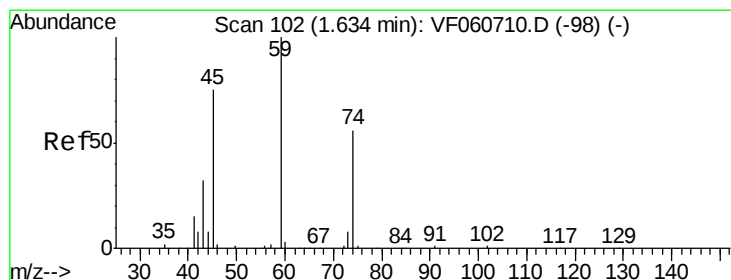
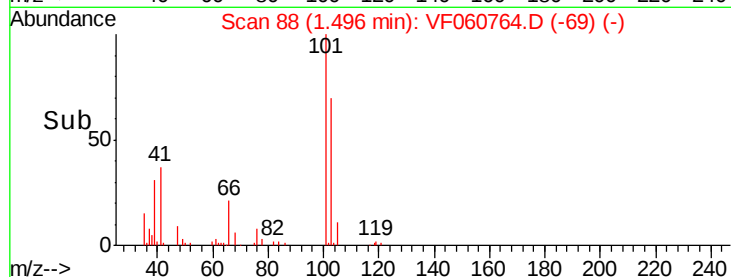
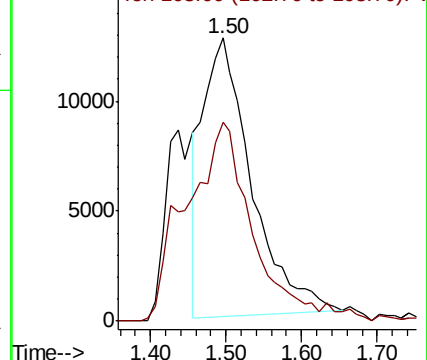
101 100

103 70.1 53.1 79.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 22.878 ug/l

RT: 1.63 min Scan# 102

Delta R.T. 0.00 min

Lab File: VF060764.D

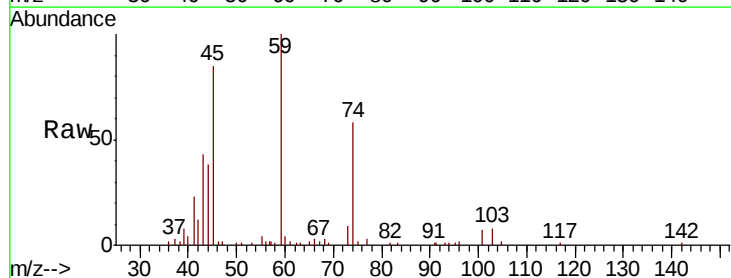
Acq: 16 Nov 2018 14:36

Tgt Ion: 74 Resp: 12356

Ion Ratio Lower Upper

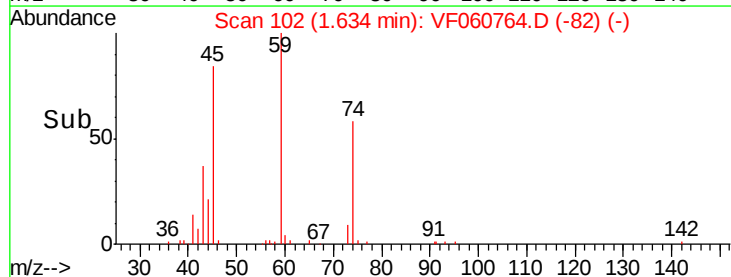
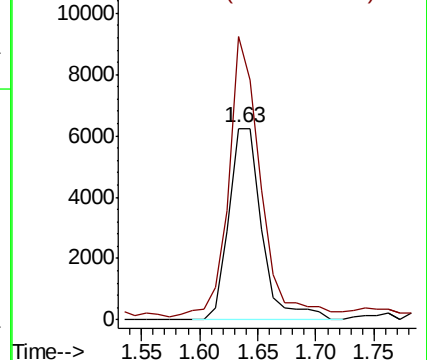
74 100

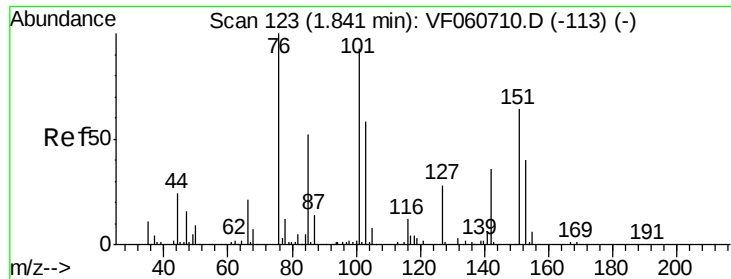
45 147.6 67.7 203.1



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.091 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

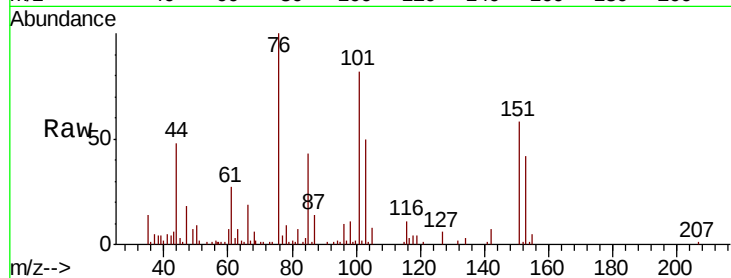
Tot Ion:101 Resp: 41895

Ion Ratio Lower Upper

101 100

85 53.1 43.6 65.4

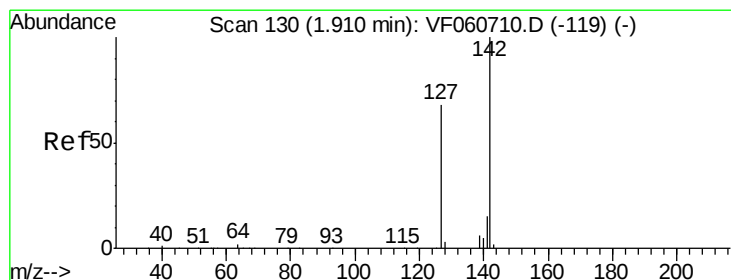
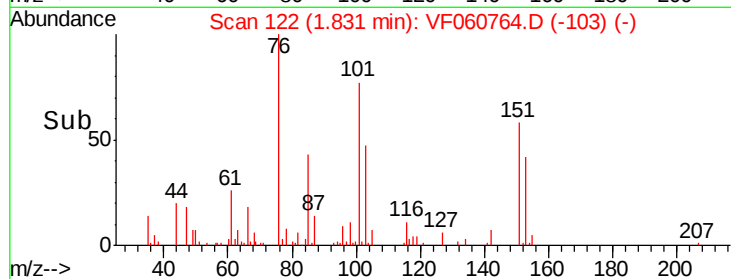
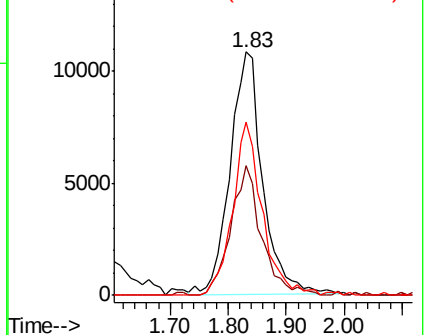
151 70.9 53.1 79.7



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: 20.682 ug/l

RT: 1.90 min Scan# 129

Delta R.T. -0.01 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

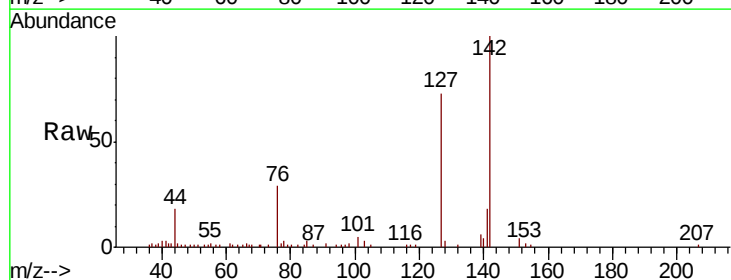
Tgt Ion:142 Resp: 65916

Ion Ratio Lower Upper

142 100

127 72.8 54.0 81.0

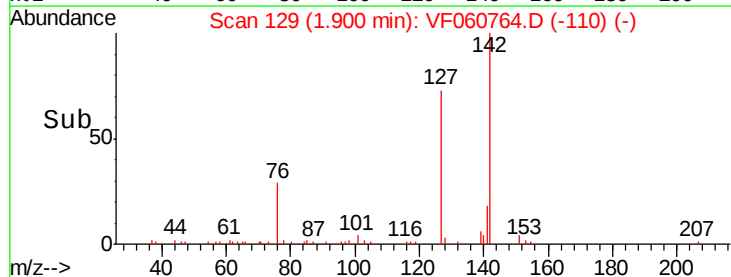
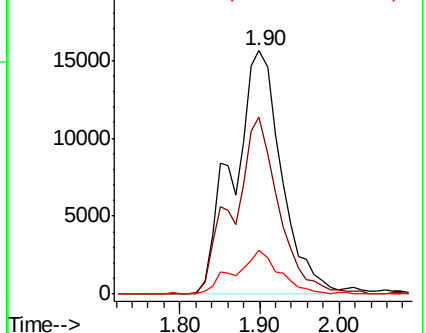
141 17.8 12.3 18.5

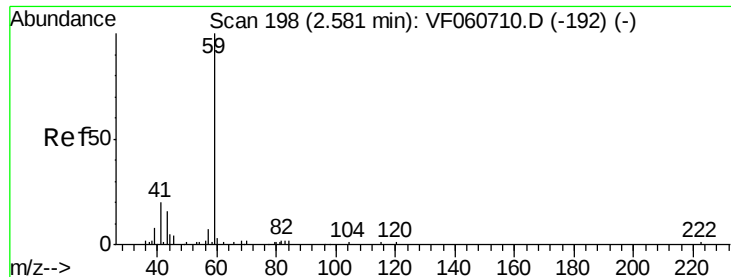


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



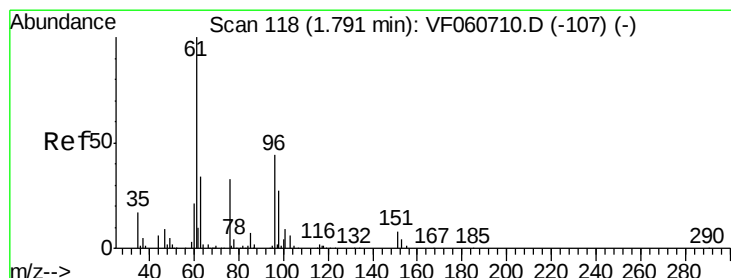
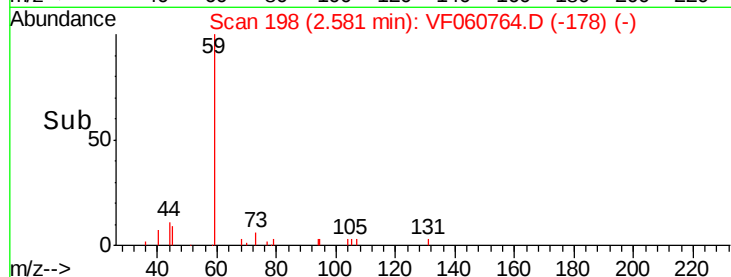
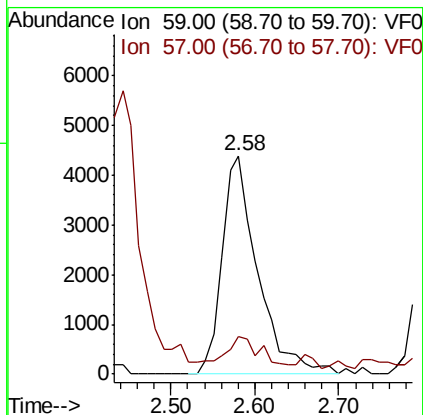
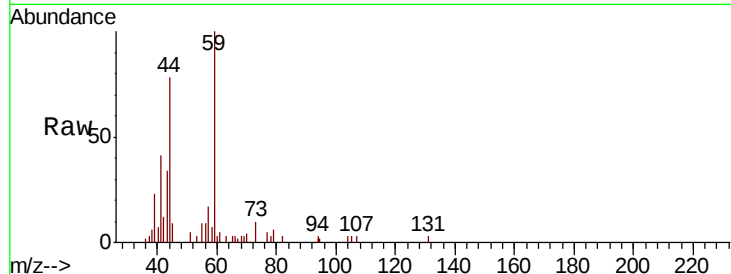


#11

Tert butyl alcohol
 Concen: 129.609 ug/l
 RT: 2.58 min Scan# 198
 Delta R.T. 0.00 min
 Lab File: VF060764.D
 Acq: 16 Nov 2018 14:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1116SBS01

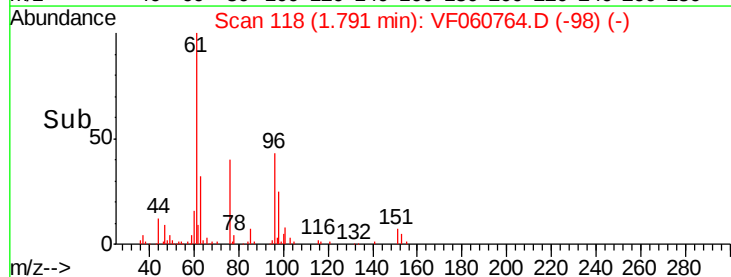
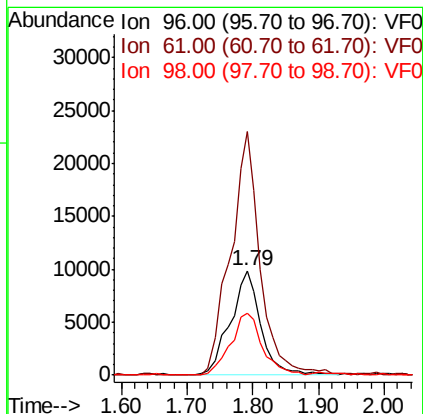
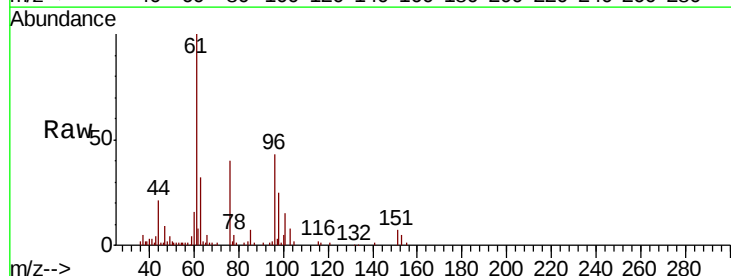
Tot Ion: 59 Resp: 12917
 Ion Ratio Lower Upper
 59 100
 57 17.2 10.5 15.7#

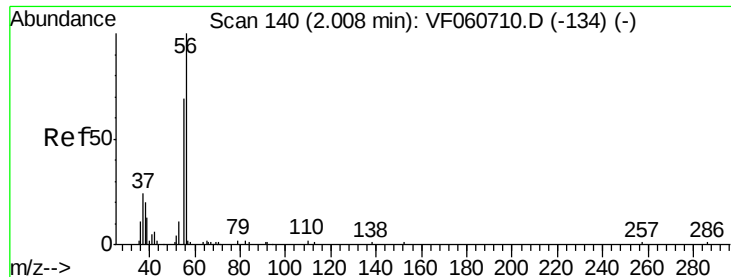


#12

1,1-Dichloroethene
 Concen: 20.417 ug/l
 RT: 1.79 min Scan# 118
 Delta R.T. -0.00 min
 Lab File: VF060764.D
 Acq: 16 Nov 2018 14:36

Tgt Ion: 96 Resp: 31979
 Ion Ratio Lower Upper
 96 100
 61 233.5 182.2 273.2
 98 58.9 49.2 73.8





#13

Acrolein

Concen: 119.967 ug/l

RT: 2.01 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

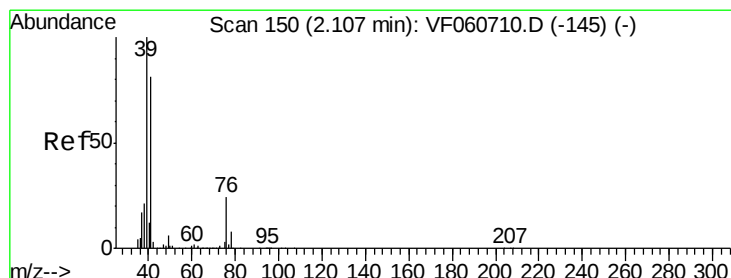
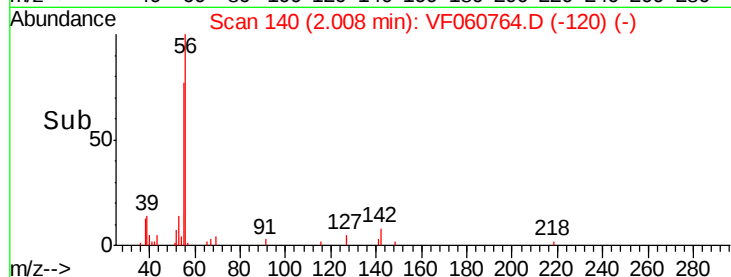
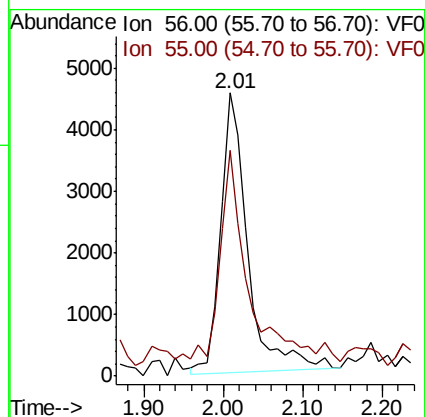
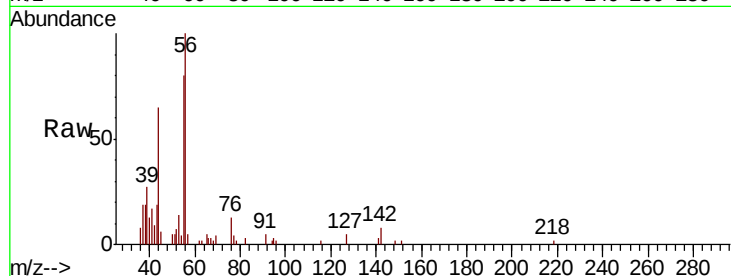
VF1116SBS01

Tot Ion: 56 Resp: 10932

Ion Ratio Lower Upper

56 100

55 79.9 56.6 85.0



#14

Allyl chloride

Concen: 20.888 ug/l

RT: 2.11 min Scan# 150

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

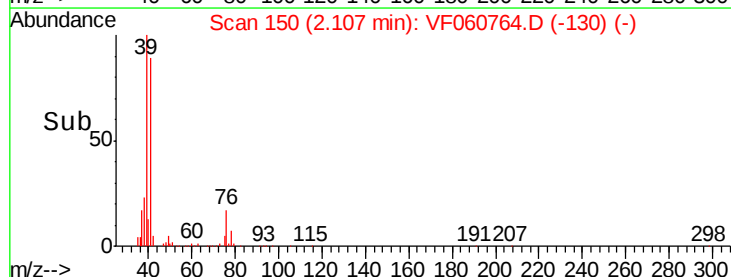
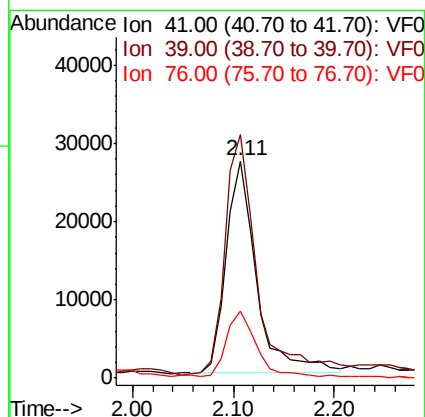
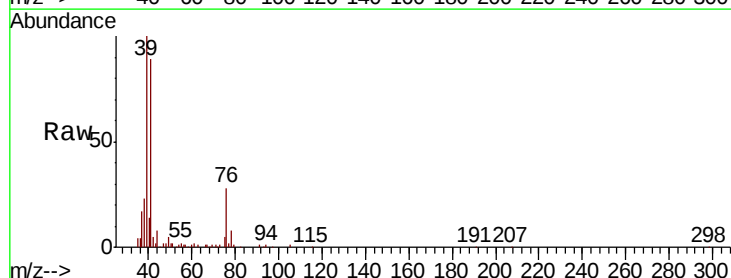
Tgt Ion: 41 Resp: 57316

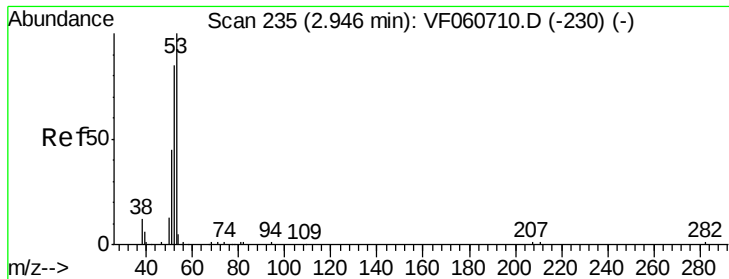
Ion Ratio Lower Upper

41 100

39 112.3 98.5 147.7

76 30.9 24.5 36.7





#15

Acrylonitrile

Concen: 121.476 ug/l

RT: 2.96 min Scan# 236

Delta R.T. 0.01 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

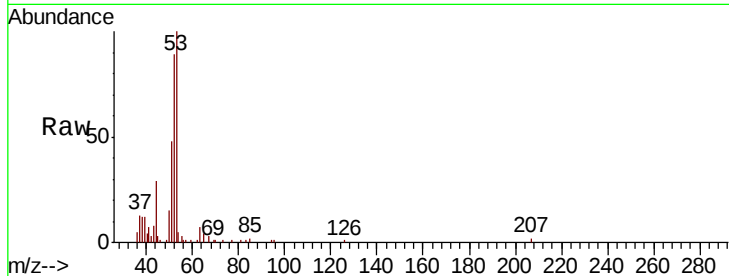
Tot Ion: 53 Resp: 25797

Ion Ratio Lower Upper

53 100

52 89.4 68.8 103.2

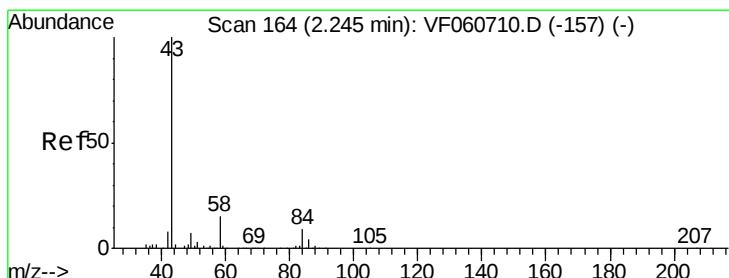
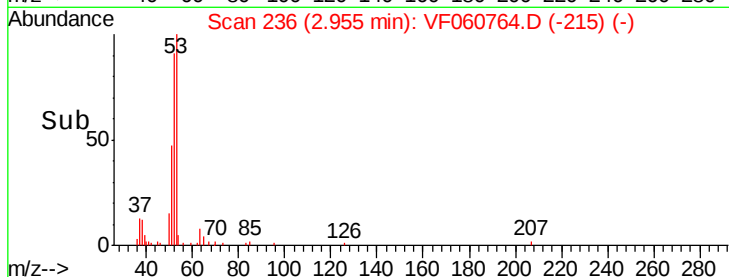
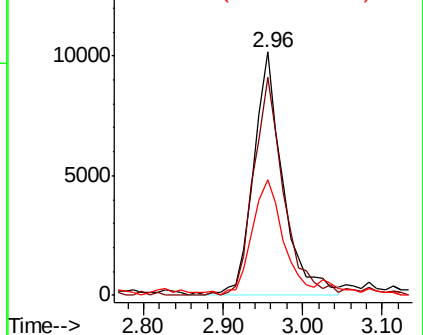
51 47.6 36.7 55.1



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: 117.959 ug/l

RT: 2.25 min Scan# 164

Delta R.T. -0.00 min

Lab File: VF060764.D

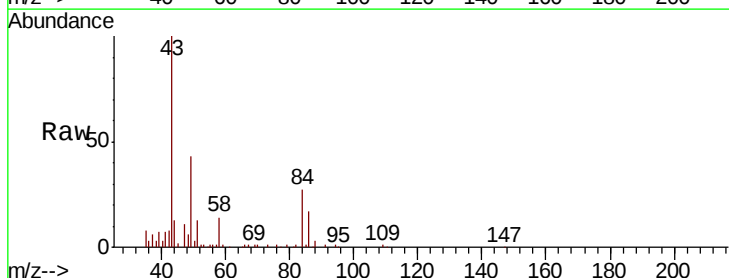
Acq: 16 Nov 2018 14:36

Tgt Ion: 43 Resp: 55212

Ion Ratio Lower Upper

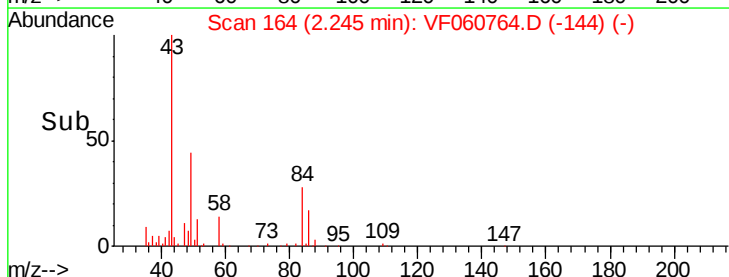
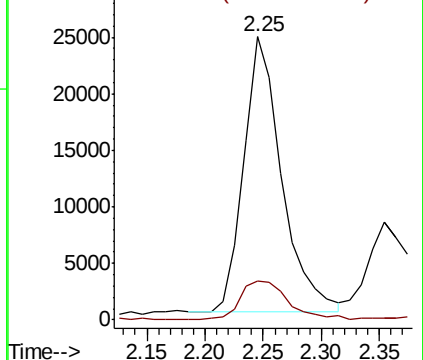
43 100

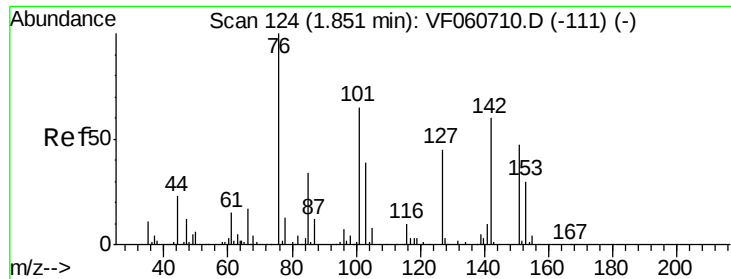
58 13.7 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

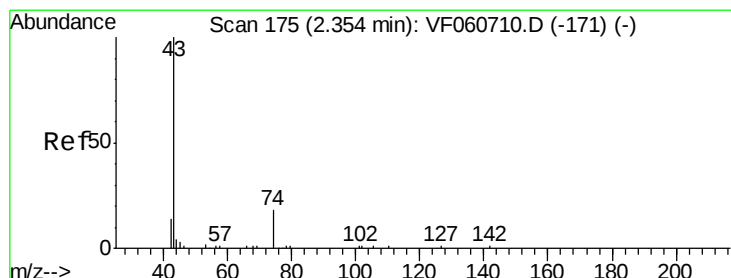
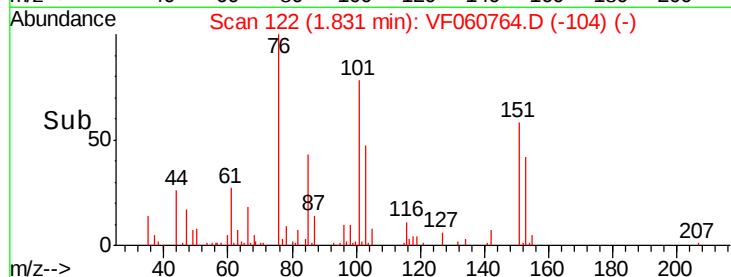
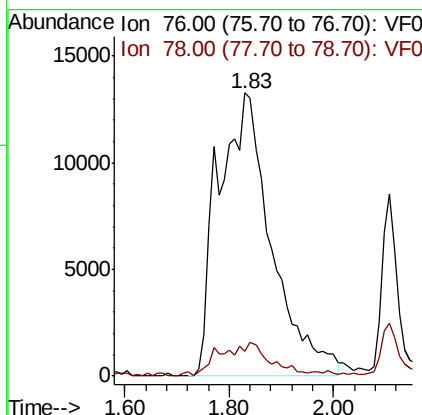
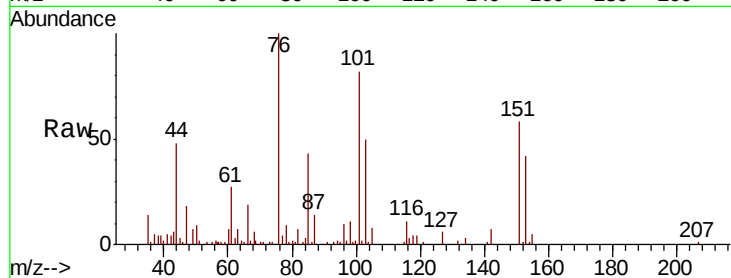




#17
Carbon Disulfide
Concen: 19.566 ug/l
RT: 1.83 min Scan# 122
Delta R.T. -0.02 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

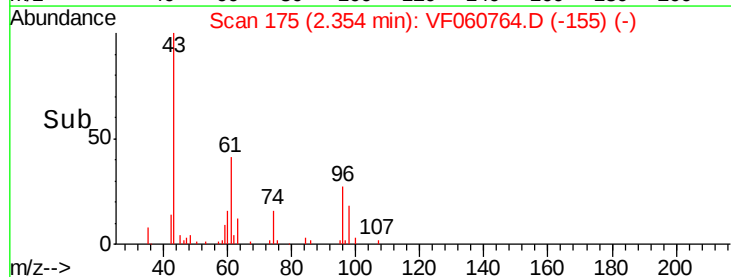
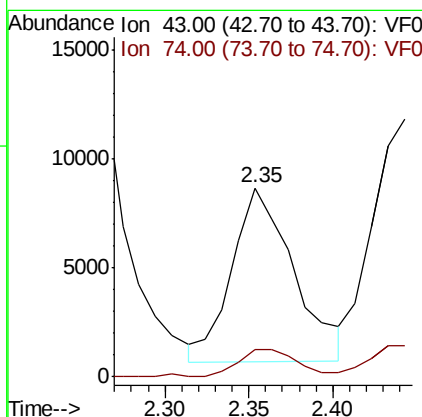
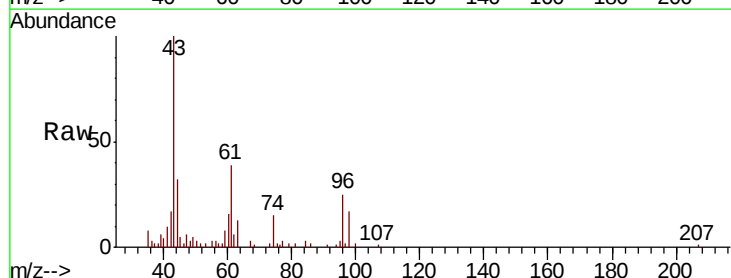
Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

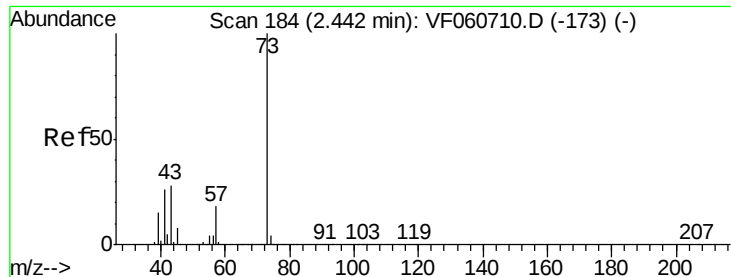
Tot Ion: 76 Resp: 92625
Ion Ratio Lower Upper
76 100
78 8.9 10.5 15.7#



#18
Methyl Acetate
Concen: 26.643 ug/l
RT: 2.35 min Scan# 175
Delta R.T. -0.00 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

Tgt Ion: 43 Resp: 20477
Ion Ratio Lower Upper
43 100
74 14.8 11.8 17.8



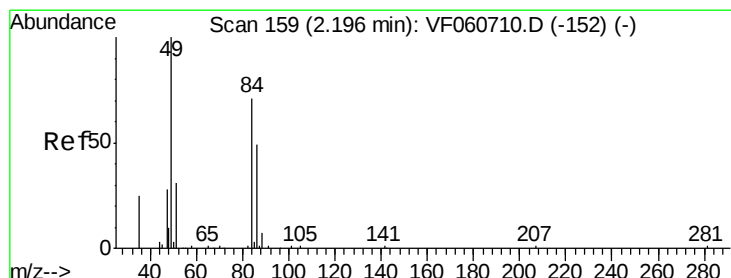
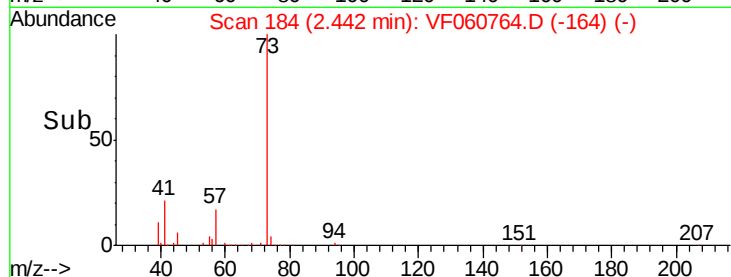
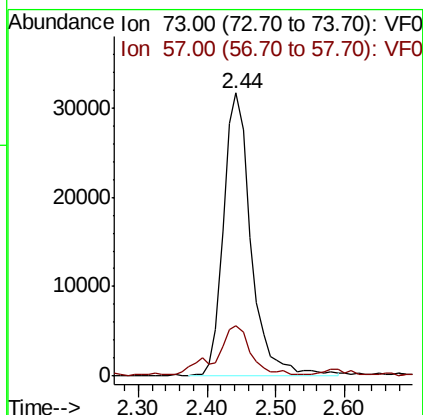
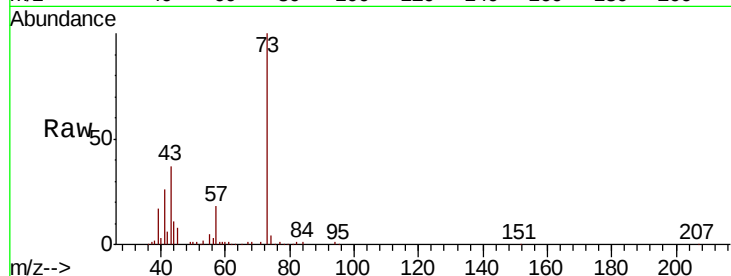


#19

Methyl tert-butyl Ether
 Concen: 23.422 ug/l
 RT: 2.44 min Scan# 184
 Delta R.T. -0.00 min
 Lab File: VF060764.D
 Acq: 16 Nov 2018 14:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1116SBS01

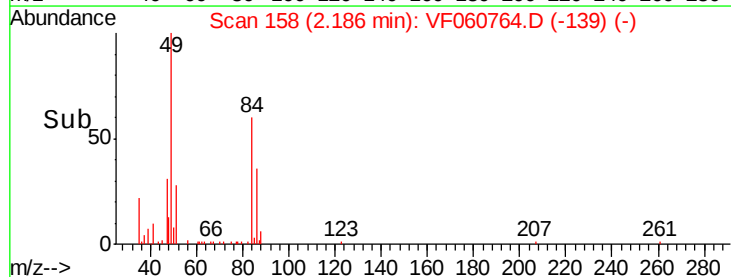
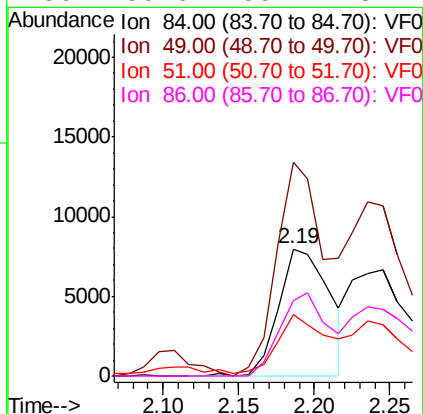
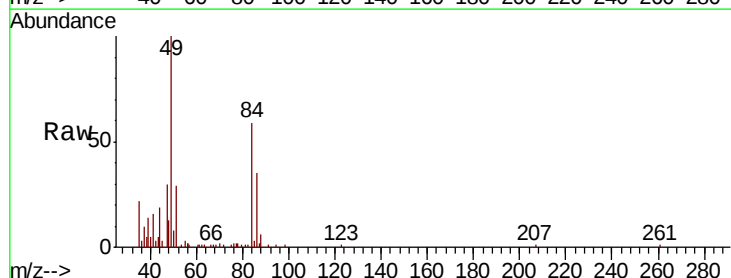
Tot Ion: 73 Resp: 88010
 Ion Ratio Lower Upper
 73 100
 57 18.0 14.3 21.5

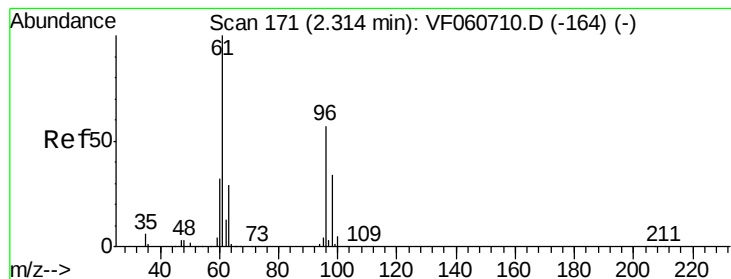


#20

Methylene Chloride
 Concen: 9.698 ug/l
 RT: 2.19 min Scan# 158
 Delta R.T. -0.01 min
 Lab File: VF060764.D
 Acq: 16 Nov 2018 14:36

Tgt Ion: 84 Resp: 18673
 Ion Ratio Lower Upper
 84 100
 49 168.4 120.2 180.4
 51 48.9 37.2 55.8
 86 59.6 55.1 82.7





#21

trans-1,2-Dichloroethene

Concen: 21.750 ug/l

RT: 2.32 min Scan# 172

Delta R.T. 0.01 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

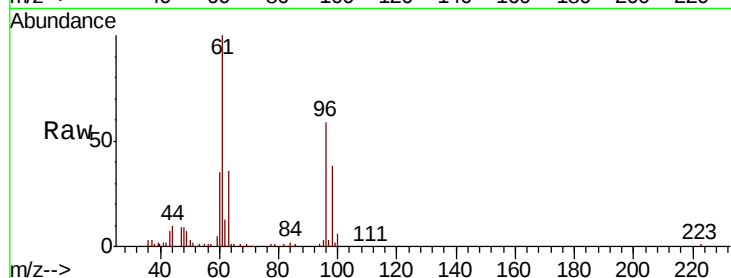
Tot Ion: 96 Resp: 35593

Ion Ratio Lower Upper

96 100

61 170.0 141.6 212.4

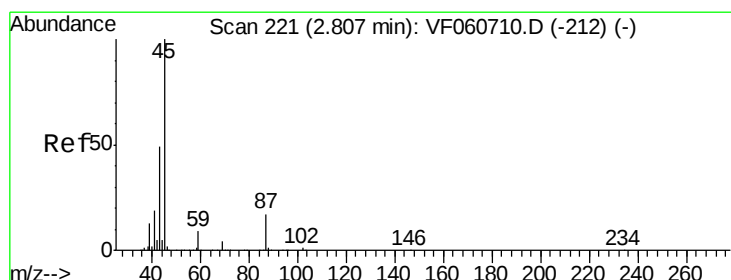
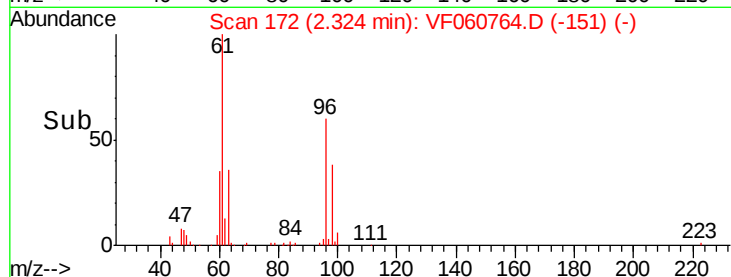
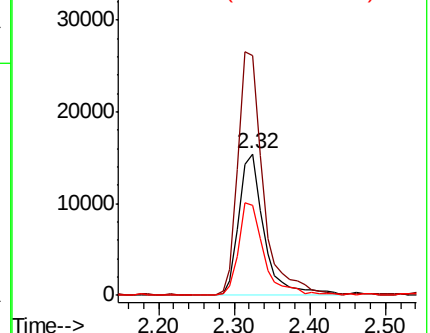
98 63.9 47.4 71.0



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: 22.265 ug/l

RT: 2.82 min Scan# 222

Delta R.T. 0.01 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Tgt Ion: 45 Resp: 117950

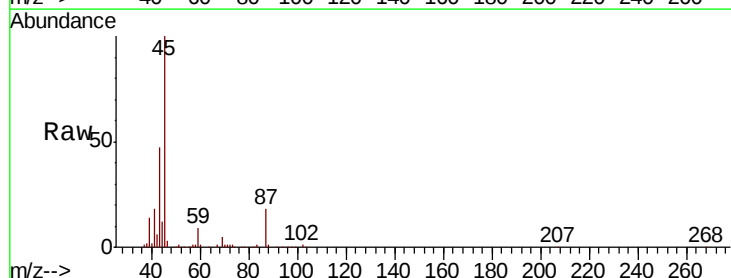
Ion Ratio Lower Upper

45 100

43 47.1 39.9 59.9

87 18.1 13.9 20.9

59 8.5 7.1 10.7

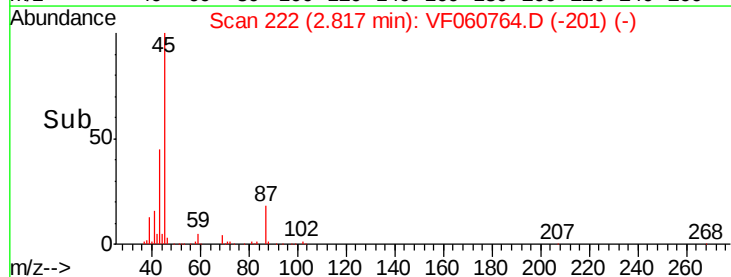
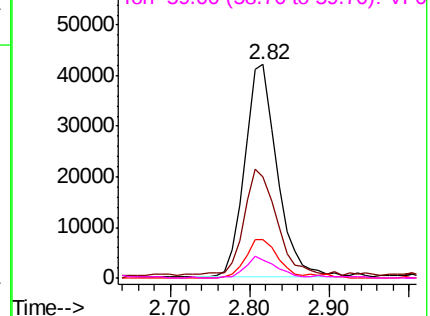


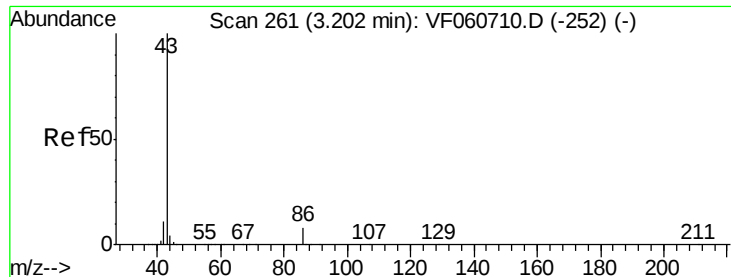
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 118.919 ug/l

RT: 3.20 min Scan# 261

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

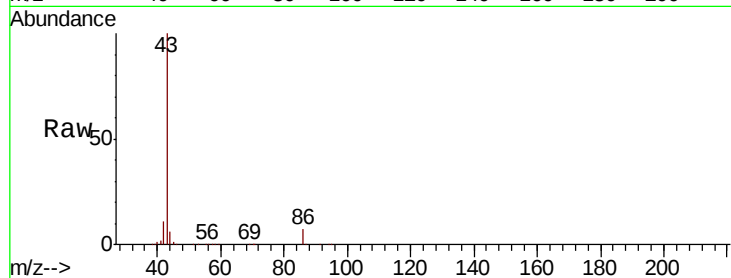
VF1116SBS01

Tot Ion: 43 Resp: 296658

Ion Ratio Lower Upper

43 100

86 7.2 6.4 9.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.20

120000

100000

80000

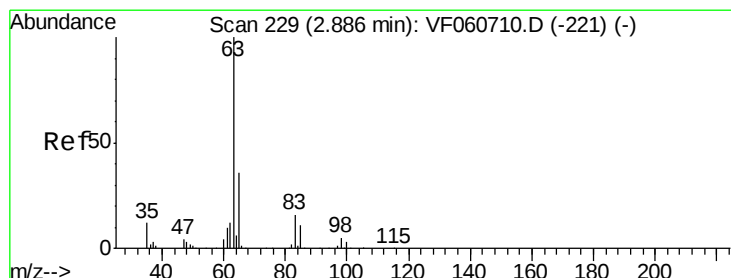
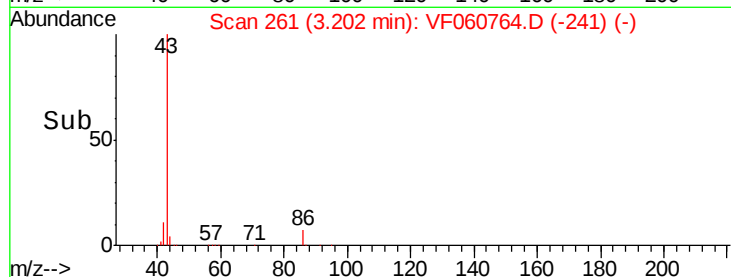
60000

40000

20000

0

Time--> 3.00 3.10 3.20 3.30 3.40



#24

1,1-Dichloroethane

Concen: 22.672 ug/l

RT: 2.89 min Scan# 229

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

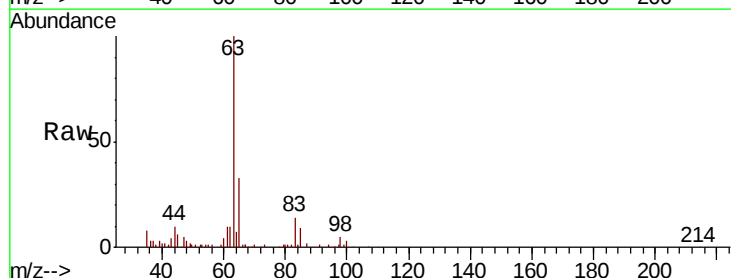
Tgt Ion: 63 Resp: 72715

Ion Ratio Lower Upper

63 100

98 5.2 2.4 7.1

100 3.0 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

2.89

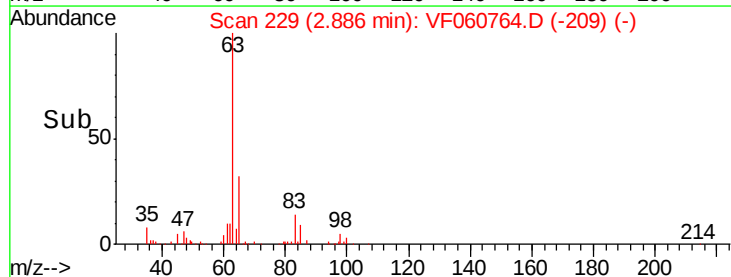
30000

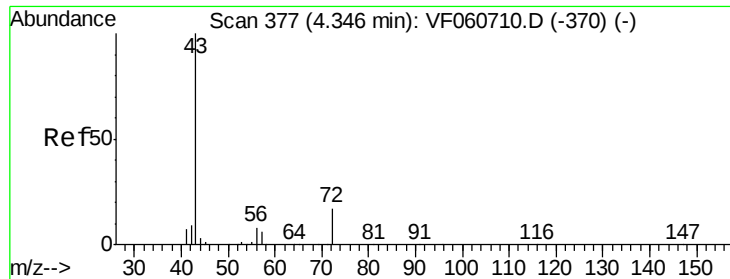
20000

10000

0

Time--> 2.70 2.80 2.90 3.00 3.10





#25

2-Butanone

Concen: 118.744 ug/l

RT: 4.35 min Scan# 377

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

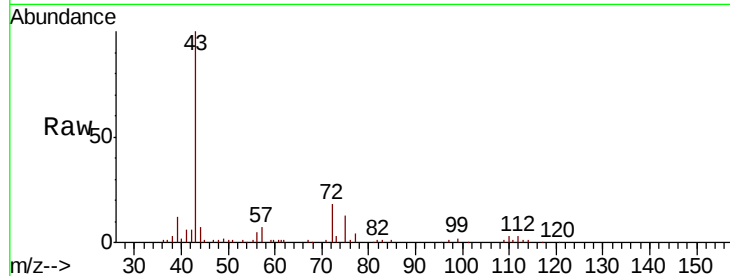
VF1116SBS01

Tot Ion: 43 Resp: 91419

Ion Ratio Lower Upper

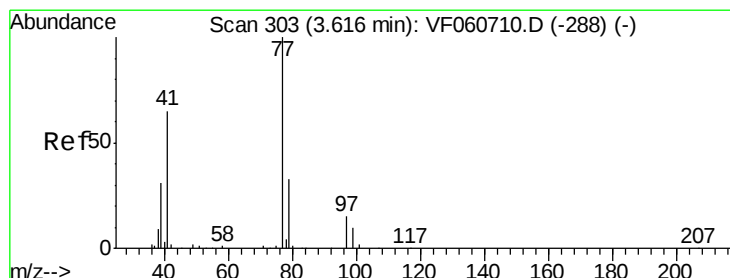
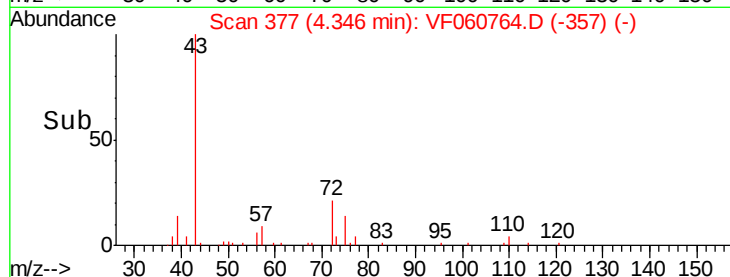
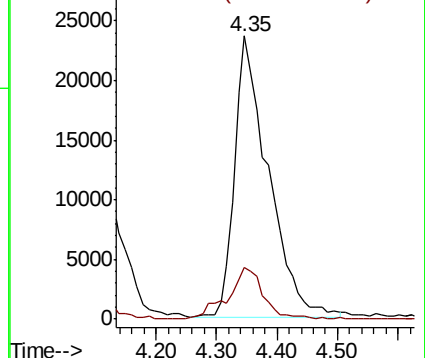
43 100

72 18.2 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 19.667 ug/l

RT: 3.62 min Scan# 303

Delta R.T. -0.00 min

Lab File: VF060764.D

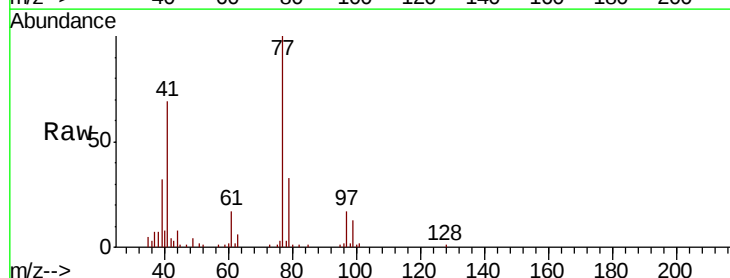
Acq: 16 Nov 2018 14:36

Tgt Ion: 77 Resp: 49636

Ion Ratio Lower Upper

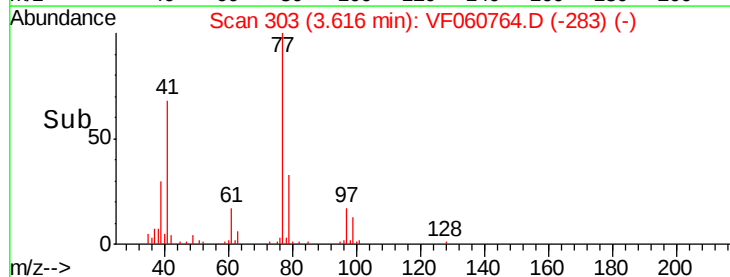
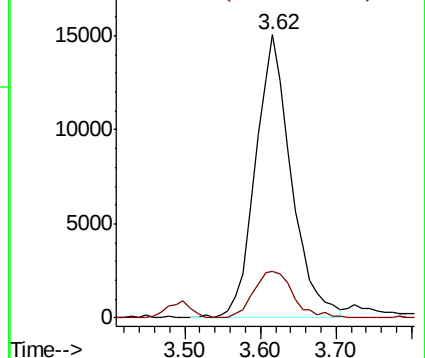
77 100

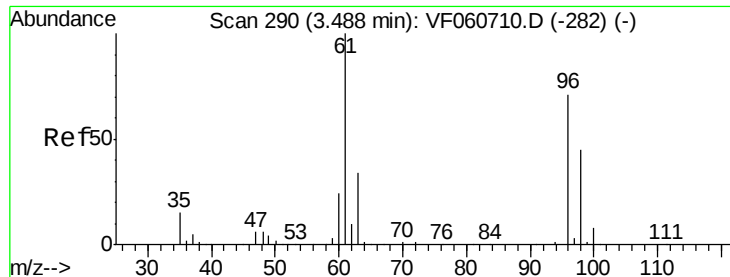
97 16.6 8.8 26.5



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



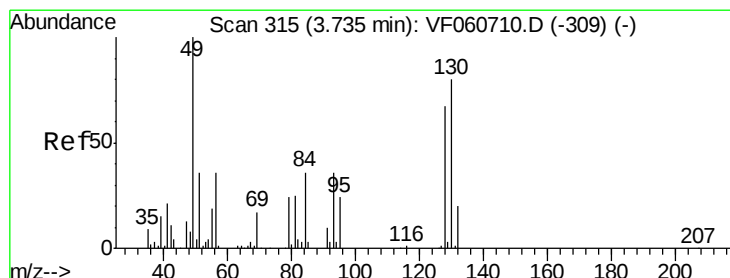
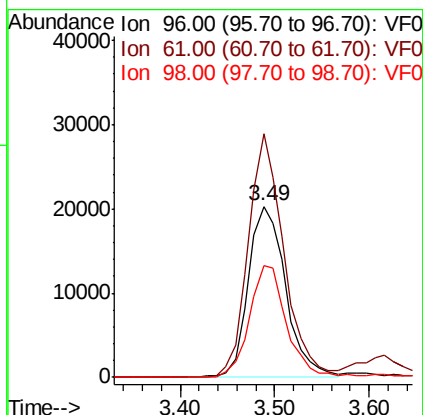
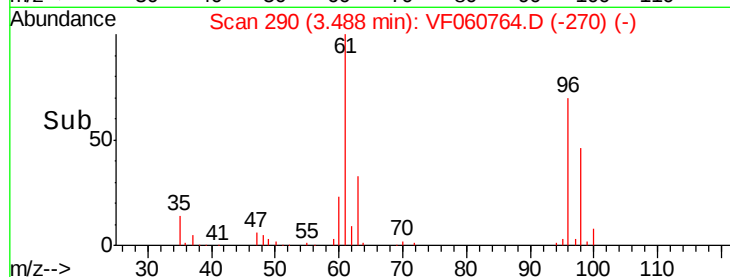
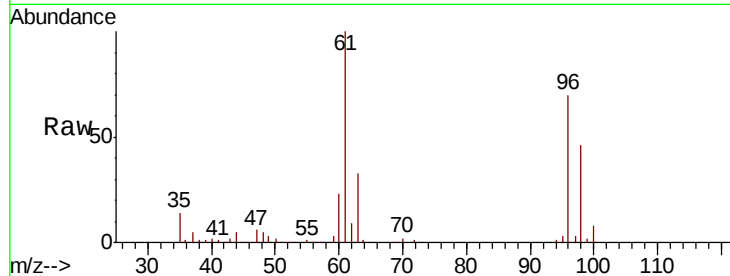


#27

cis-1,2-Dichloroethene
 Concen: 20.089 ug/l
 RT: 3.49 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VF060764.D
 Acq: 16 Nov 2018 14:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1116SBS01

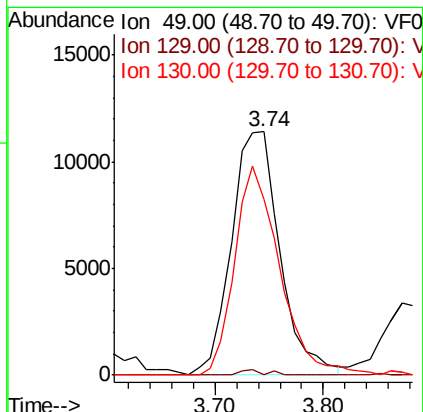
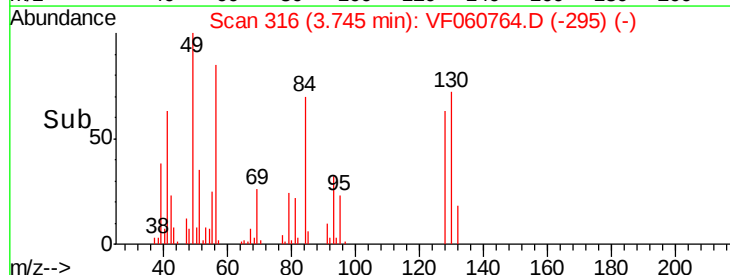
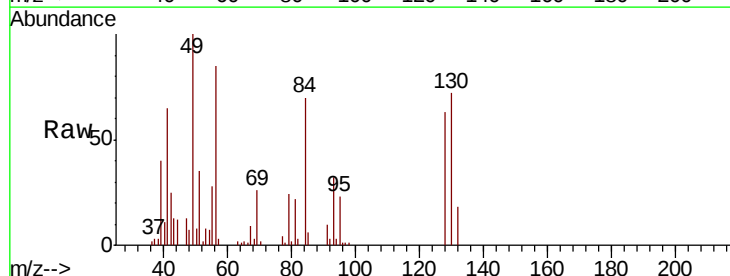
Tot Ion	Ratio	Lower	Upper
96	100		
61	142.6	0.0	280.6
98	65.2	0.0	127.6

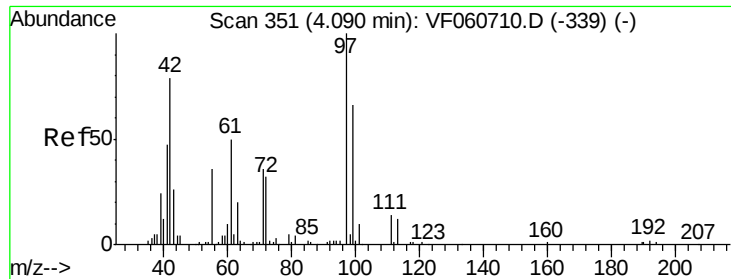


#28

Bromochloromethane
 Concen: 21.463 ug/l
 RT: 3.74 min Scan# 316
 Delta R.T. 0.01 min
 Lab File: VF060764.D
 Acq: 16 Nov 2018 14:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.2
130	72.0	63.9	95.9





#29

Tetrahydrofuran

Concen: 127.855 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

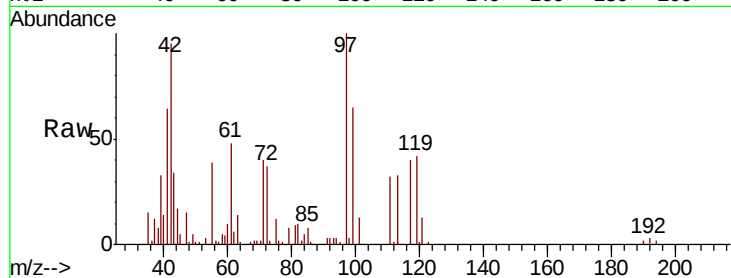
Tot Ion: 42 Resp: 40602

Ion Ratio Lower Upper

42 100

72 36.7 30.3 45.5

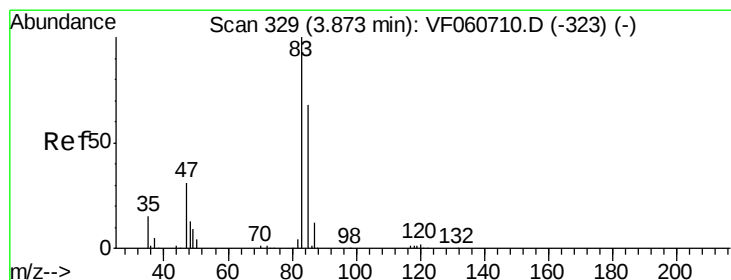
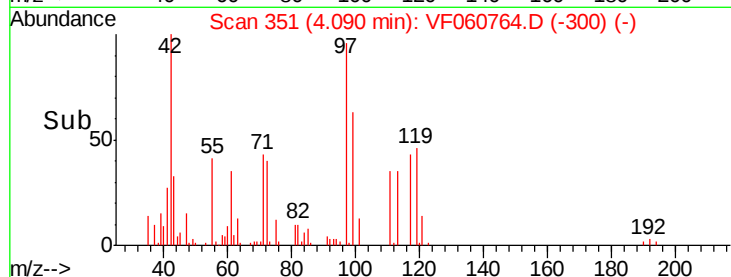
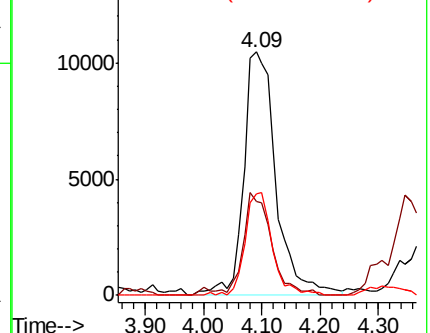
71 35.2 32.2 48.2



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: 19.495 ug/l

RT: 3.88 min Scan# 330

Delta R.T. 0.01 min

Lab File: VF060764.D

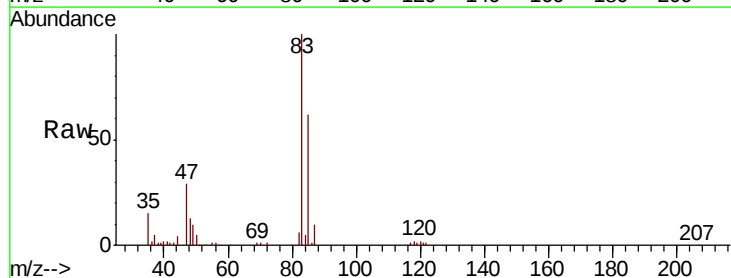
Acq: 16 Nov 2018 14:36

Tgt Ion: 83 Resp: 100317

Ion Ratio Lower Upper

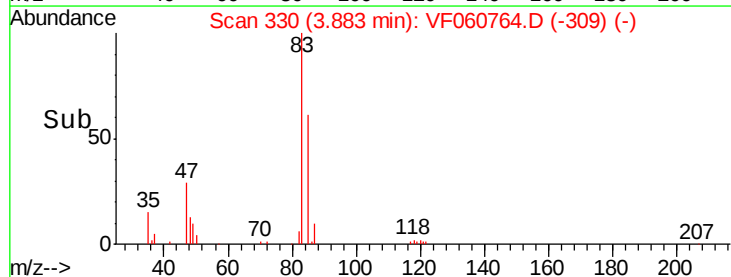
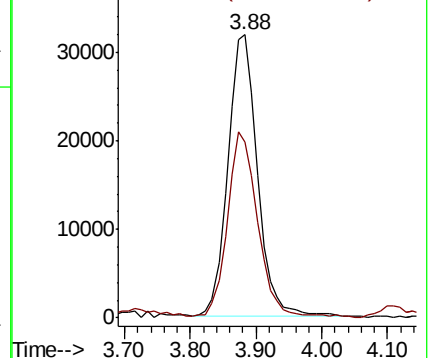
83 100

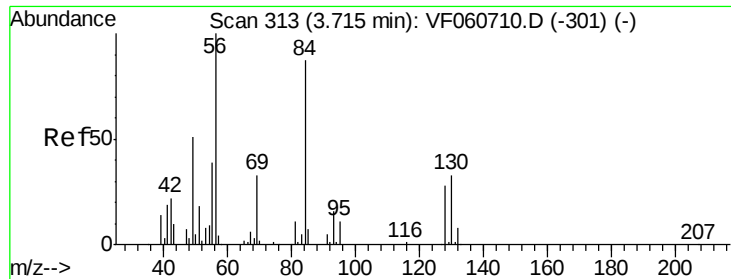
85 62.2 54.6 82.0



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 20.732 ug/l

RT: 3.71 min Scan# 313

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

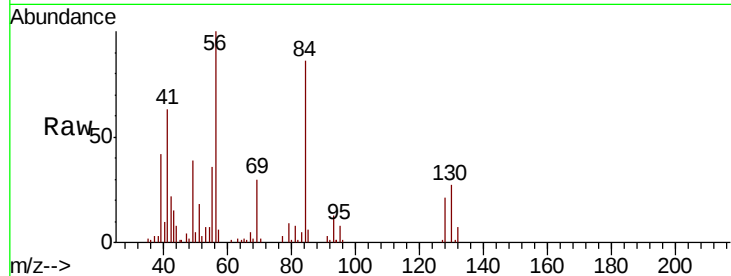
Tot Ion: 56 Resp: 80703

Ion Ratio Lower Upper

56 100

69 29.6 26.0 39.0

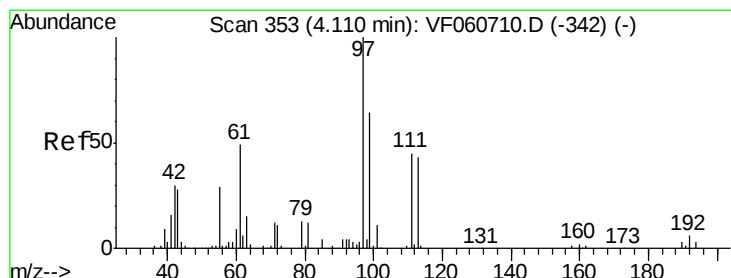
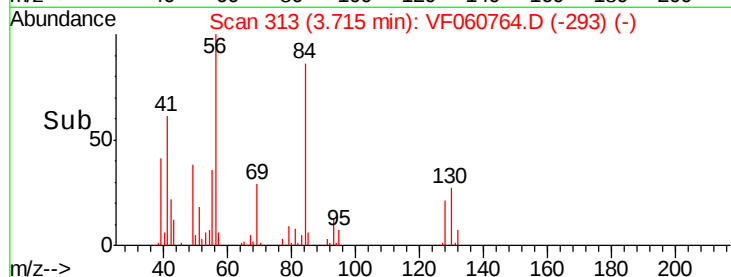
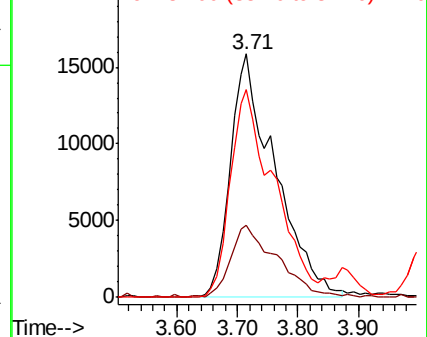
84 85.6 69.4 104.2



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 20.383 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

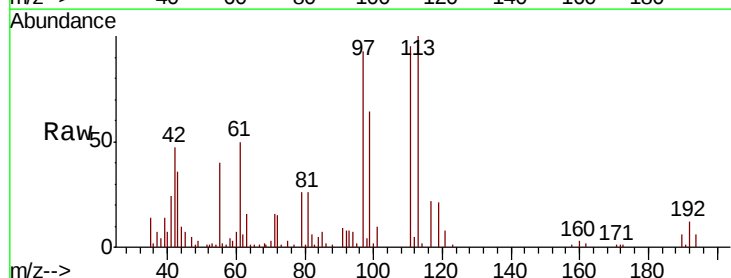
Tgt Ion: 97 Resp: 82597

Ion Ratio Lower Upper

97 100

99 68.5 51.1 76.7

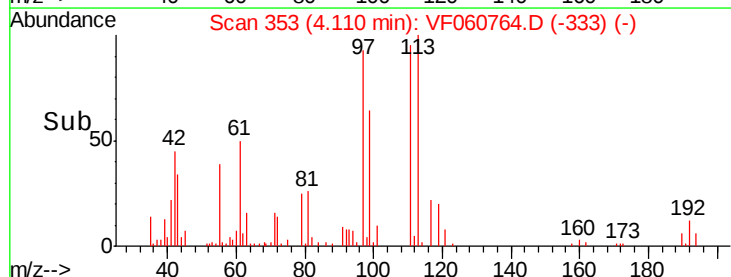
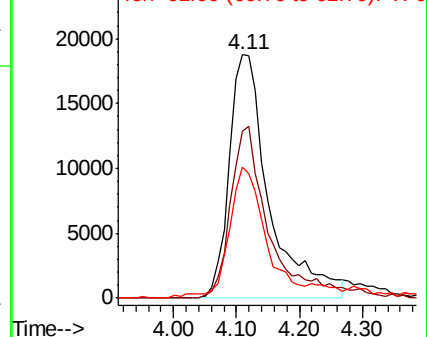
61 53.8 40.1 60.1

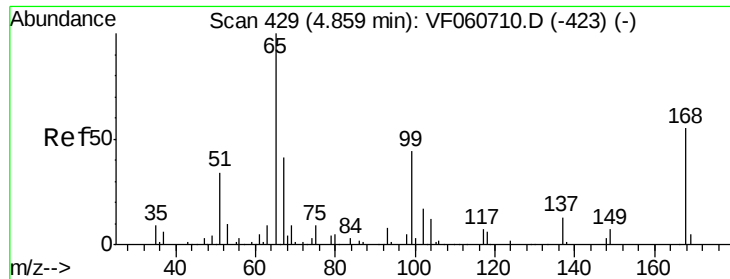


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 48.092 ug/l

RT: 4.86 min Scan# 429

Delta R.T. 0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

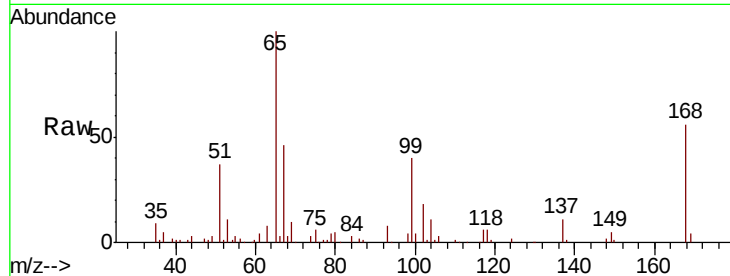
VF1116SBS01

Tot Ion: 65 Resp: 105313

Ion Ratio Lower Upper

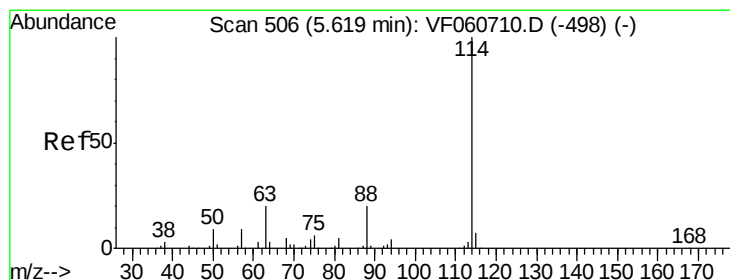
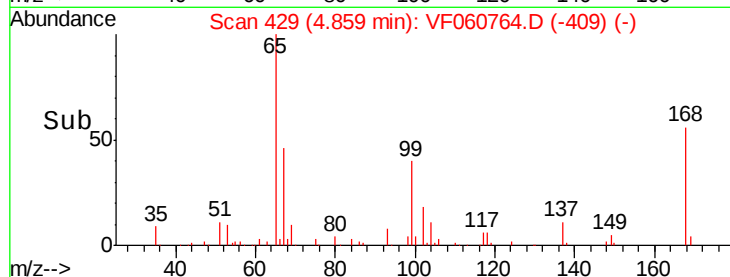
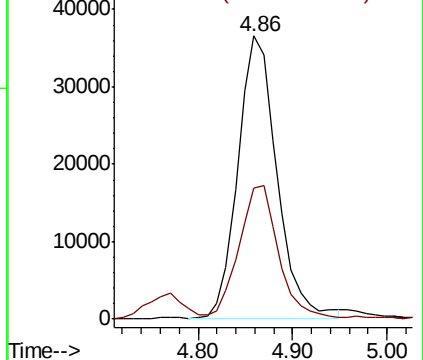
65 100

67 46.2 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: 5.62 min Scan# 506

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

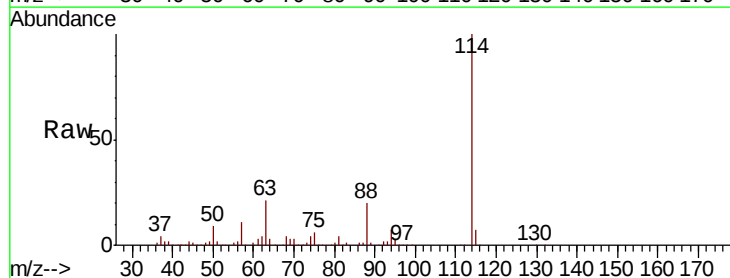
Tgt Ion: 114 Resp: 295971

Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.8

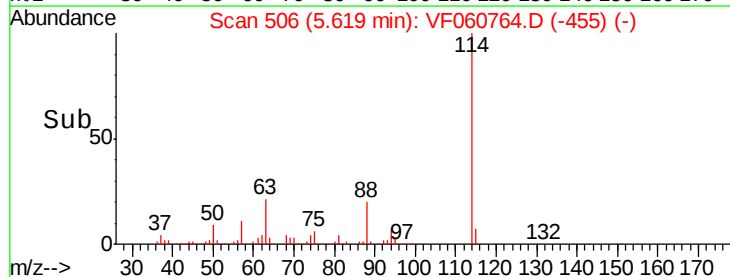
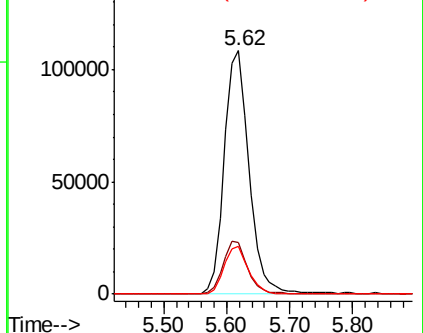
88 19.6 0.0 39.6

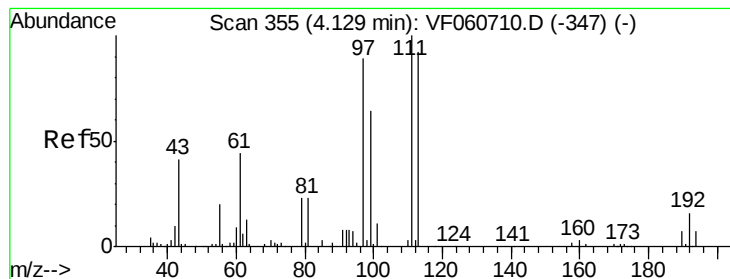


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 51.581 ug/l

RT: 4.13 min Scan# 355

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

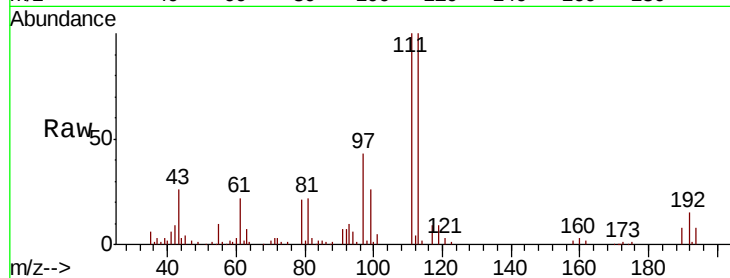
Tot Ion:113 Resp: 114756

Ion Ratio Lower Upper

113 100

111 100.4 87.1 130.7

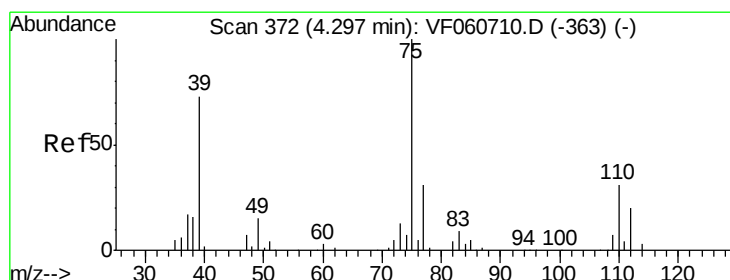
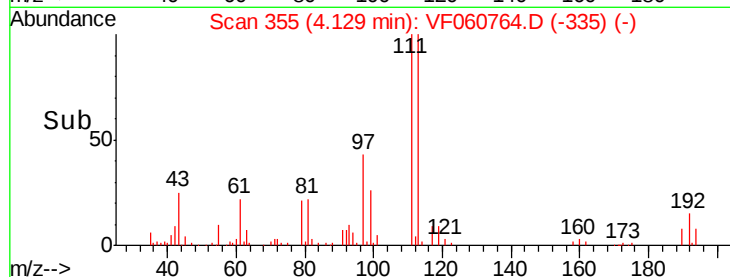
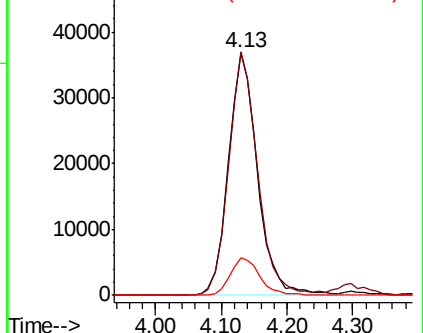
192 16.1 13.8 20.6



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: 22.295 ug/l

RT: 4.30 min Scan# 372

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

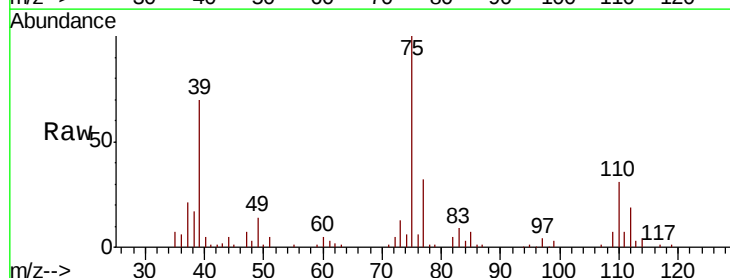
Tgt Ion: 75 Resp: 76528

Ion Ratio Lower Upper

75 100

110 31.0 15.6 46.8

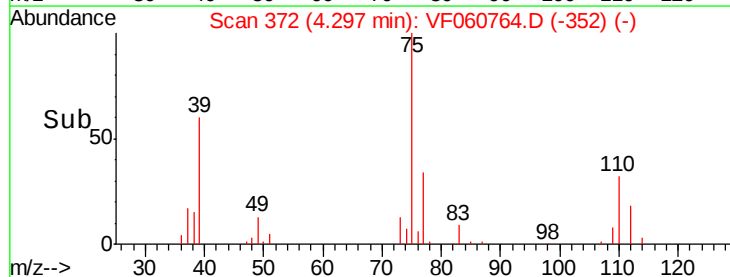
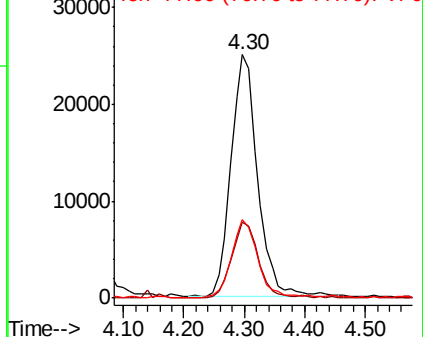
77 32.2 25.0 37.6

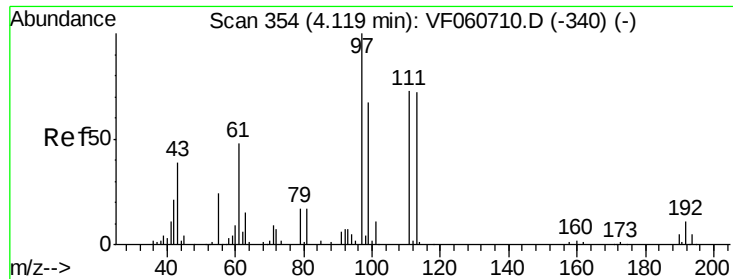


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

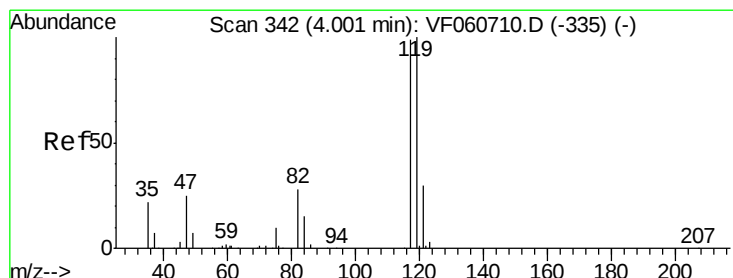
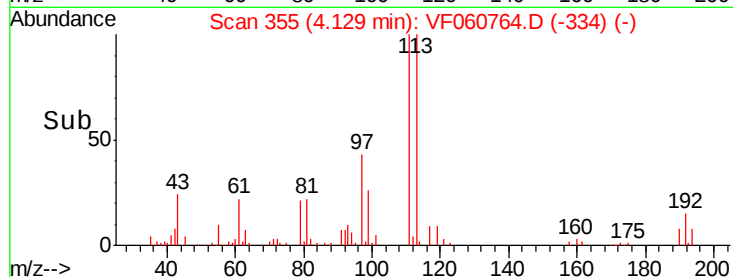
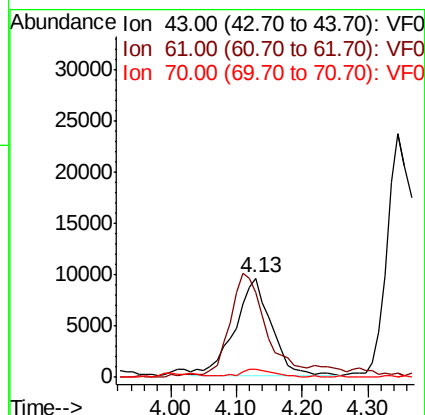
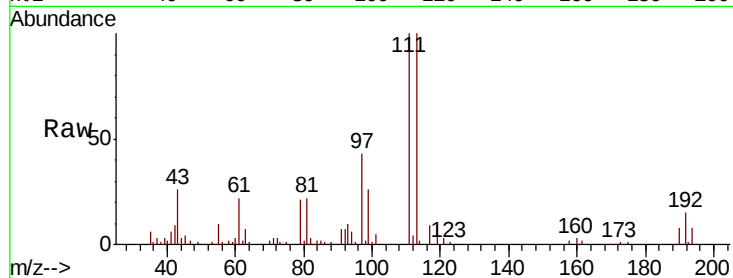




#37
Ethyl Acetate
Concen: 29.029 ug/l
RT: 4.13 min Scan# 355
Delta R.T. 0.01 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

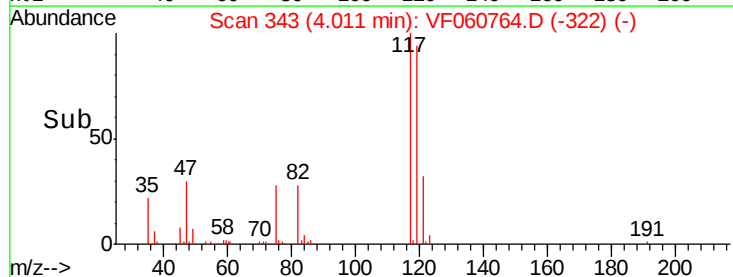
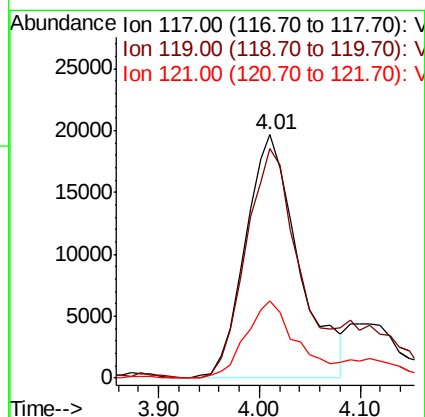
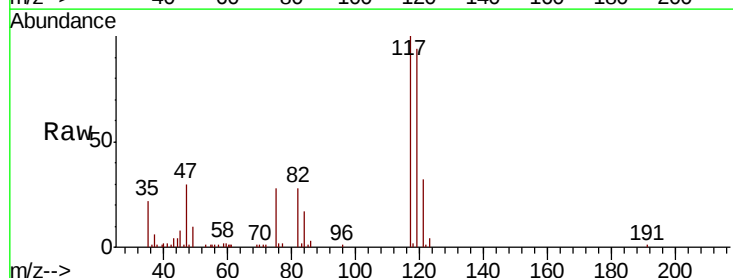
Instrument :
MSVOA_F
ClientSampleId :
VF1116SBSD01

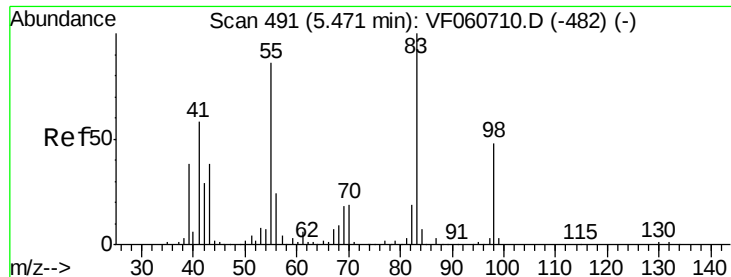
Tot Ion: 43 Resp: 37045
Ion Ratio Lower Upper
43 100
61 85.5 98.5 147.7#
70 8.7 7.4 11.0



#38
Carbon Tetrachloride
Concen: 21.593 ug/l
RT: 4.01 min Scan# 343
Delta R.T. 0.01 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

Tgt Ion: 117 Resp: 71920
Ion Ratio Lower Upper
117 100
119 94.0 80.7 121.1
121 31.6 24.3 36.5





#39

Methvlcvclohexane

Concen: 22.227 ug/l

RT: 5.47 min Scan# 491

Delta R.T. 0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

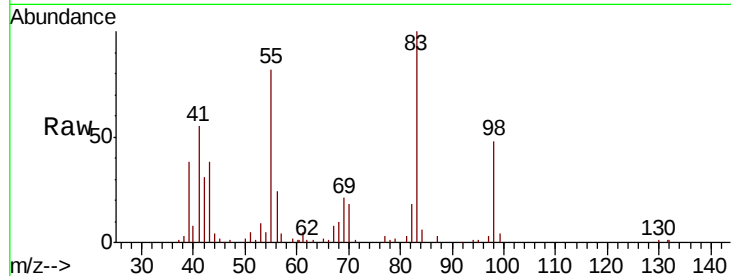
Tot Ion: 83 Resp: 88515

Ion Ratio Lower Upper

83 100

55 82.3 69.0 103.4

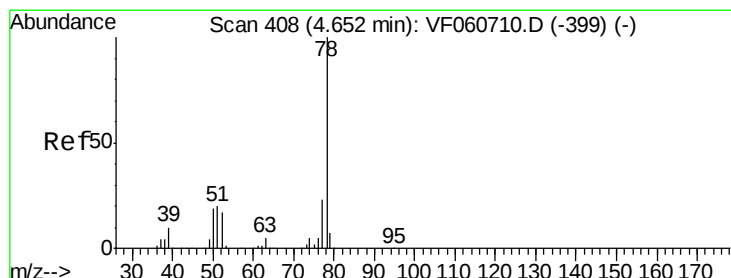
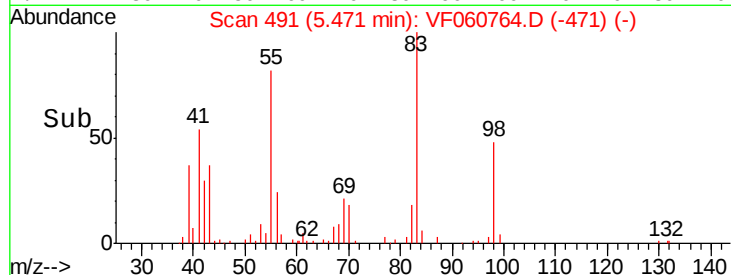
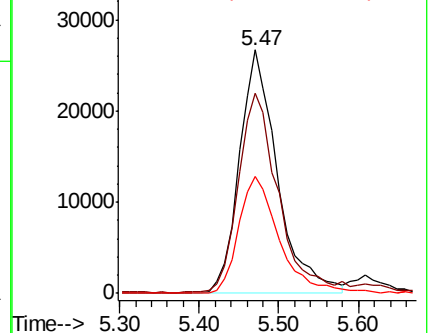
98 47.8 38.5 57.7



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#40

Benzene

Concen: 23.234 ug/l

RT: 4.65 min Scan# 408

Delta R.T. -0.00 min

Lab File: VF060764.D

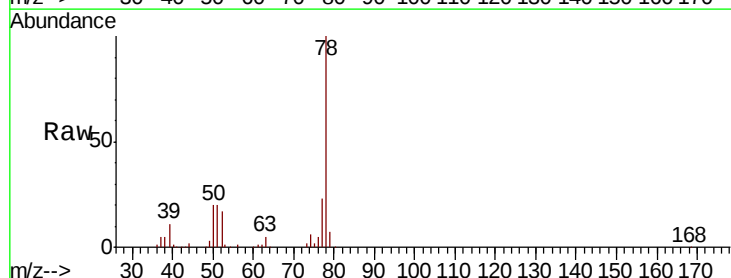
Acq: 16 Nov 2018 14:36

Tgt Ion: 78 Resp: 177775

Ion Ratio Lower Upper

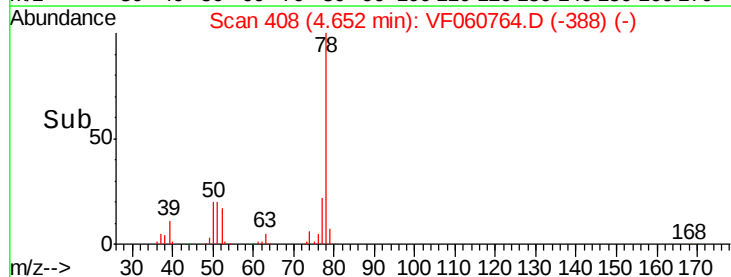
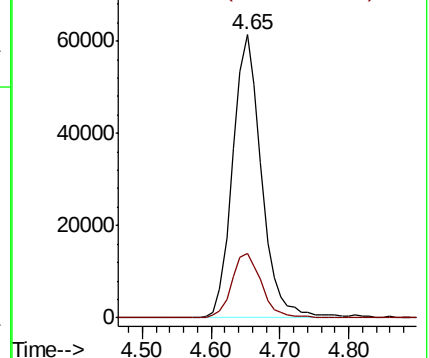
78 100

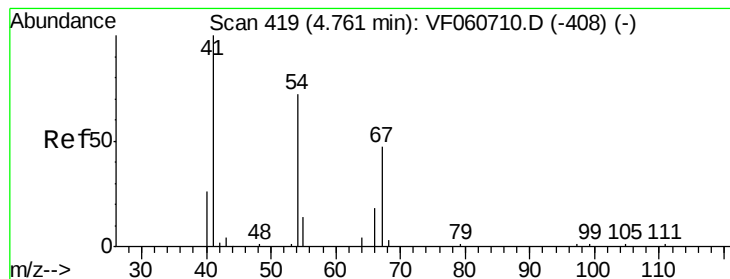
77 22.7 18.6 28.0



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 23.686 ug/l

RT: 4.76 min Scan# 419

Delta R.T. 0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBSD01

Tot Ion: 41 Resp: 17666

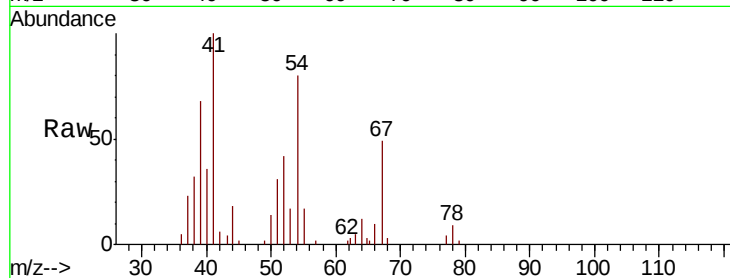
Ion Ratio Lower Upper

41 100

39 68.1 47.1 70.7

67 48.7 37.1 55.7

52 42.3 39.3 58.9

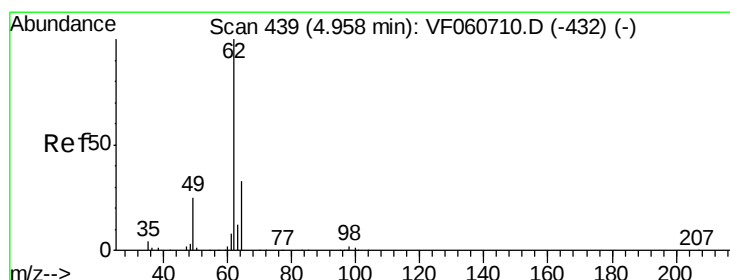
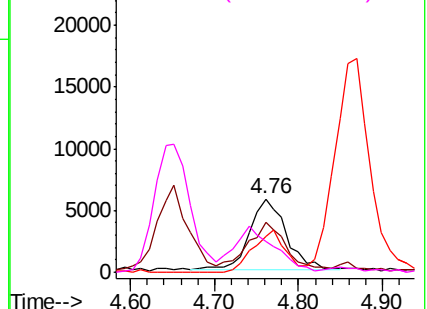
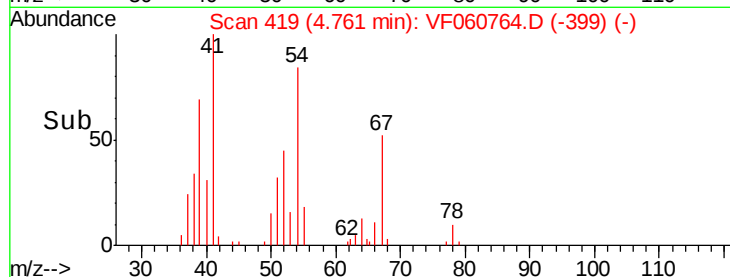


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 22.897 ug/l

RT: 4.96 min Scan# 439

Delta R.T. -0.00 min

Lab File: VF060764.D

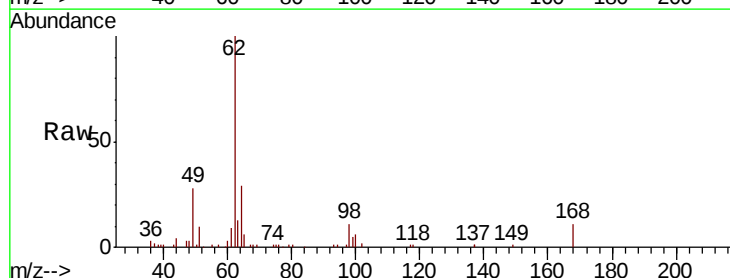
Acq: 16 Nov 2018 14:36

Tgt Ion: 62 Resp: 60544

Ion Ratio Lower Upper

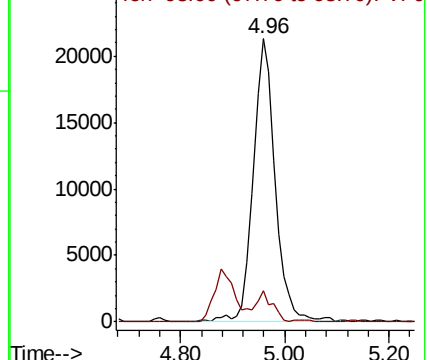
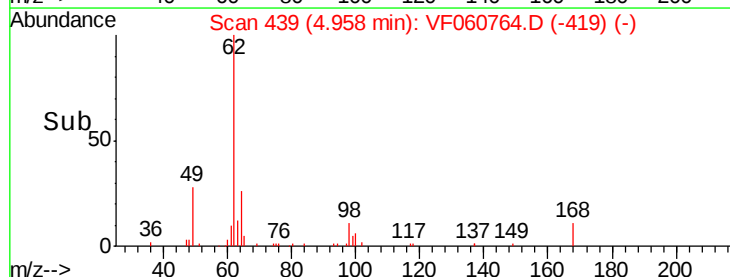
62 100

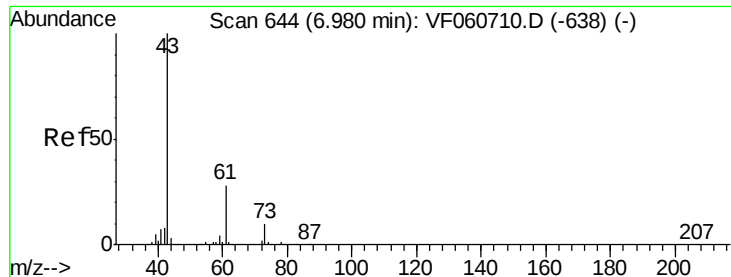
98 11.2 0.0 16.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 25.694 ug/l

RT: 6.98 min Scan# 644

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

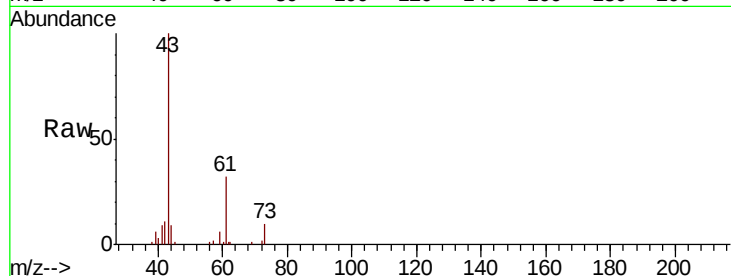
Tot Ion: 43 Resp: 43475

Ion Ratio Lower Upper

43 100

61 31.6 22.2 33.4

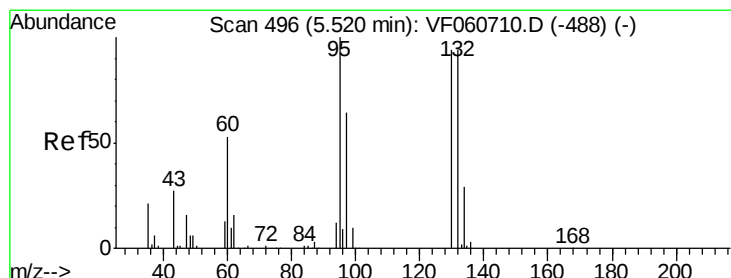
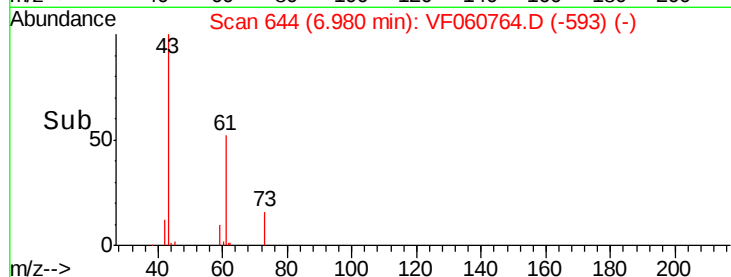
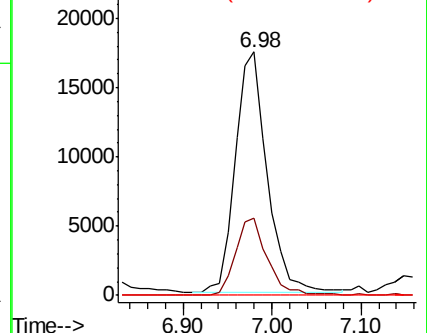
87 0.0 0.4 0.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 22.686 ug/l

RT: 5.52 min Scan# 496

Delta R.T. -0.00 min

Lab File: VF060764.D

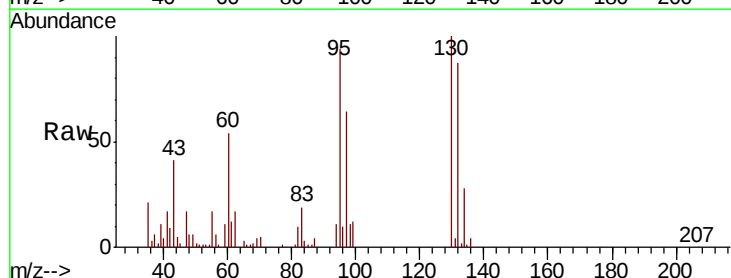
Acq: 16 Nov 2018 14:36

Tgt Ion:130 Resp: 54767

Ion Ratio Lower Upper

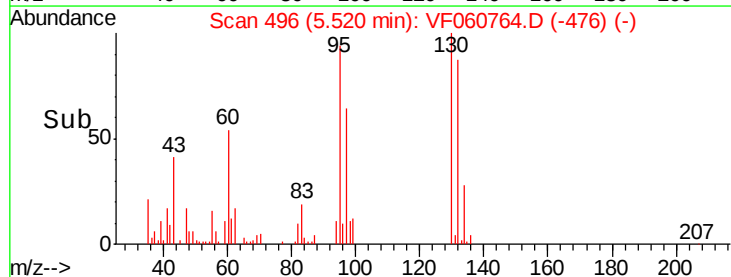
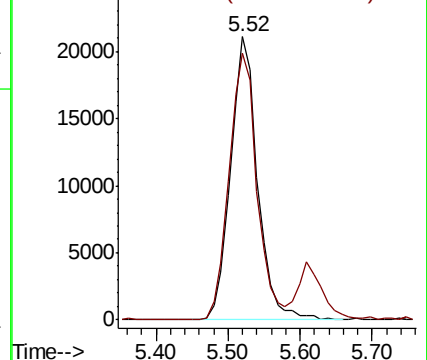
130 100

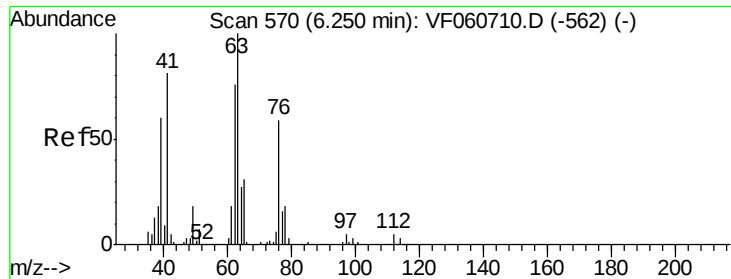
95 94.2 0.0 212.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 22.184 ug/l

RT: 6.25 min Scan# 570

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

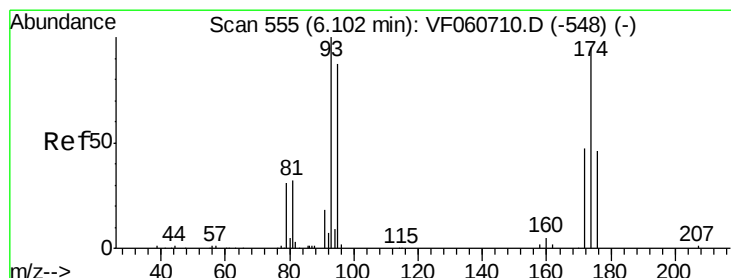
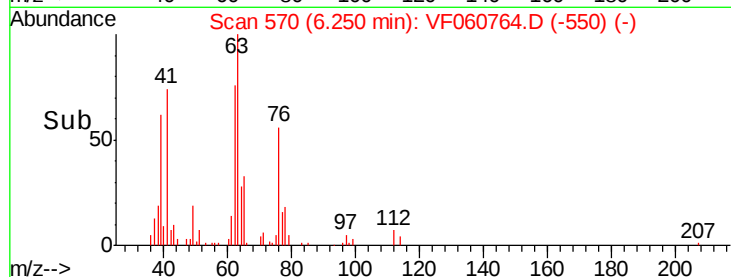
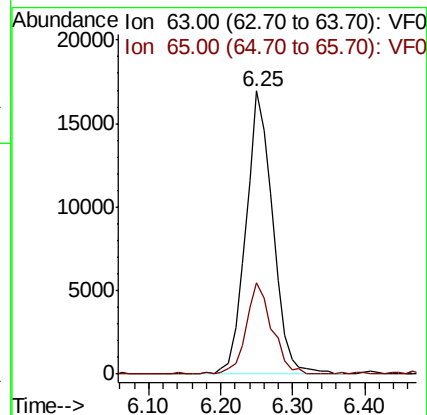
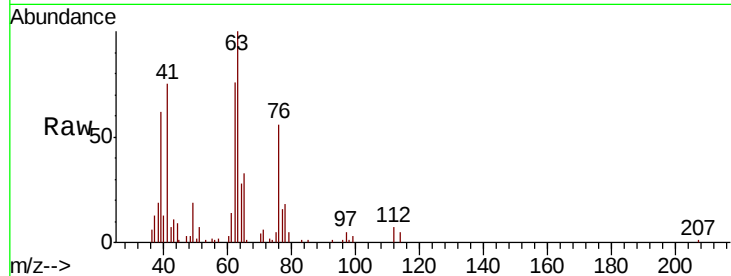
VF1116SBS01

Tot Ion: 63 Resp: 44170

Ion Ratio Lower Upper

63 100

65 32.5 24.6 36.8



#46

Dibromomethane

Concen: 22.176 ug/l

RT: 6.10 min Scan# 555

Delta R.T. 0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

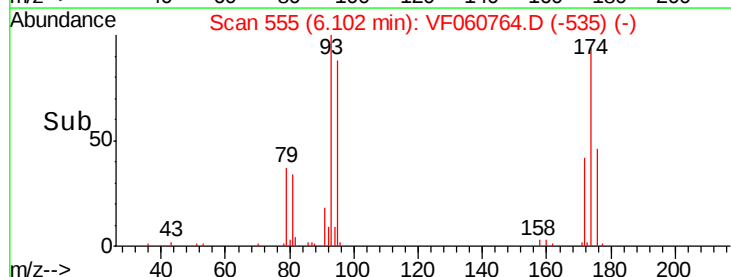
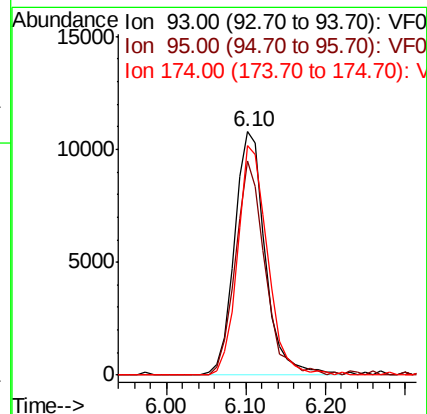
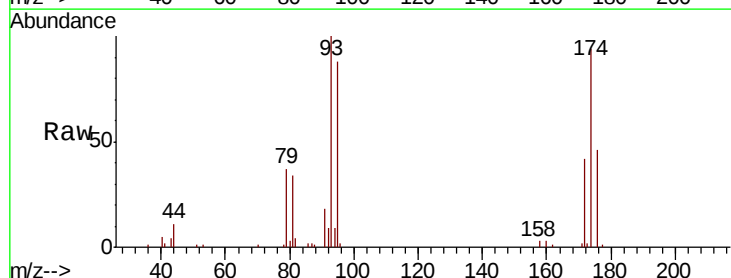
Tgt Ion: 93 Resp: 29147

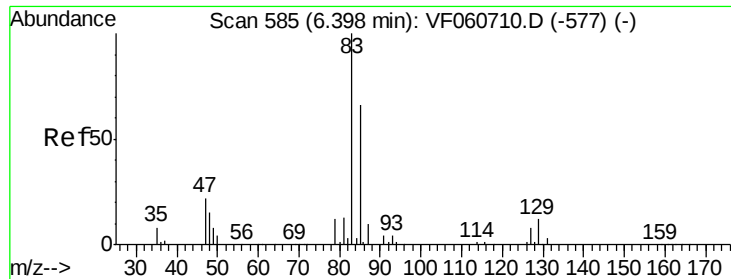
Ion Ratio Lower Upper

93 100

95 88.1 69.5 104.3

174 94.2 76.2 114.2





#47

Bromodichloromethane

Concen: 21.788 ug/l

RT: 6.40 min Scan# 585

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

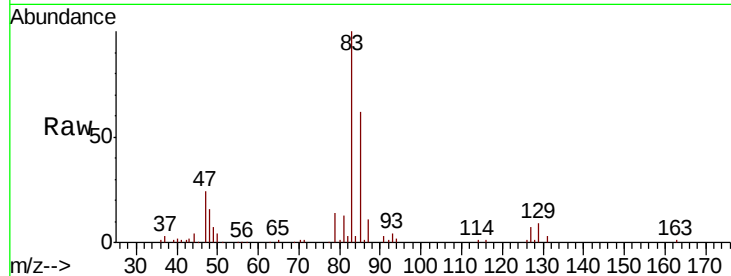
Tot Ion: 83 Resp: 73126

Ion Ratio Lower Upper

83 100

85 61.9 52.4 78.6

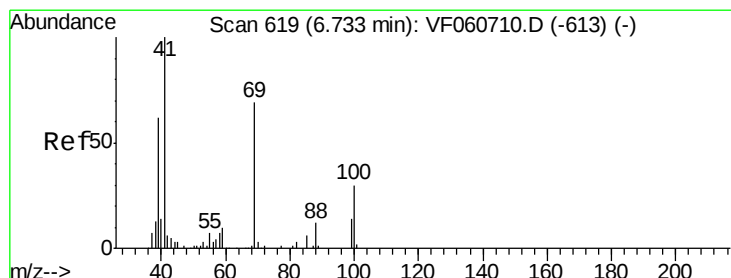
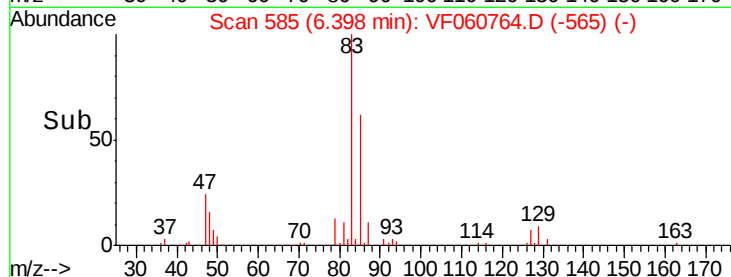
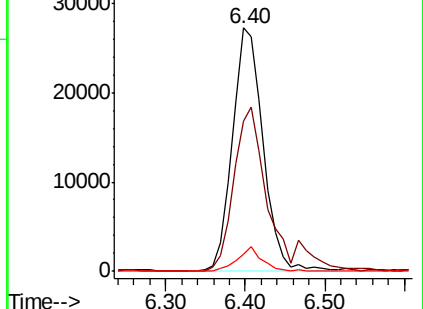
127 7.3 6.8 10.2



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: 26.492 ug/l

RT: 6.73 min Scan# 619

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

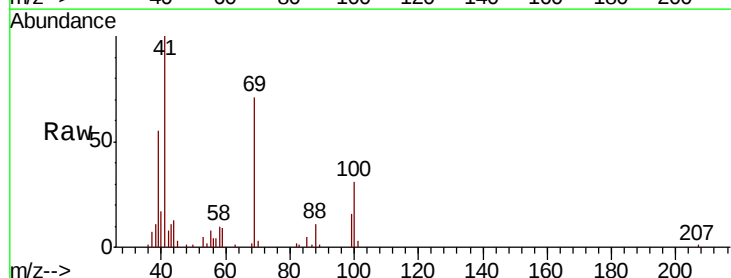
Tgt Ion: 41 Resp: 29666

Ion Ratio Lower Upper

41 100

69 71.3 54.9 82.3

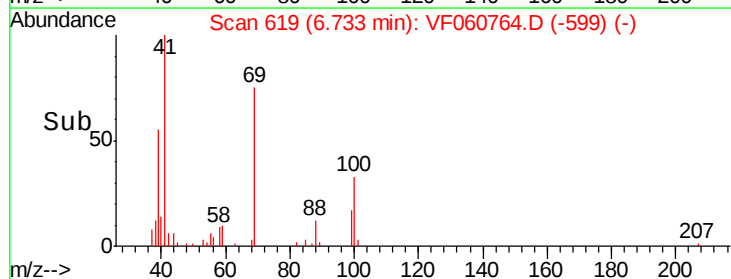
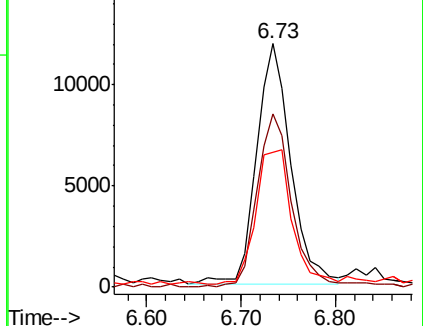
39 55.3 49.6 74.4

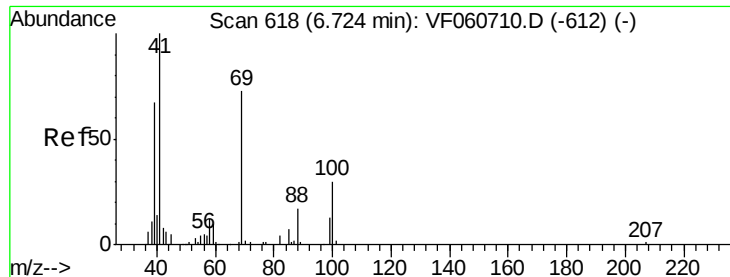


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

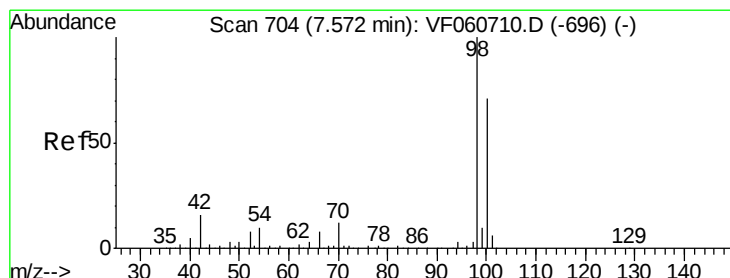
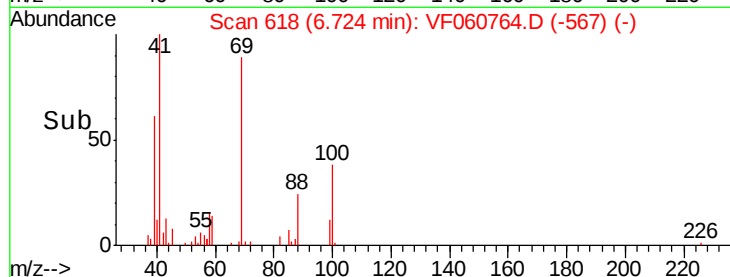
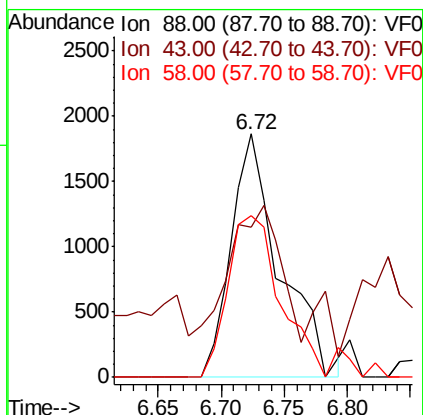
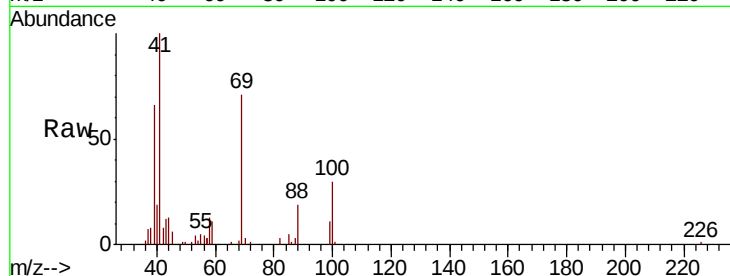




#49
1,4-Dioxane
Concen: 476.851 ug/l
RT: 6.72 min Scan# 618
Delta R.T. -0.00 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

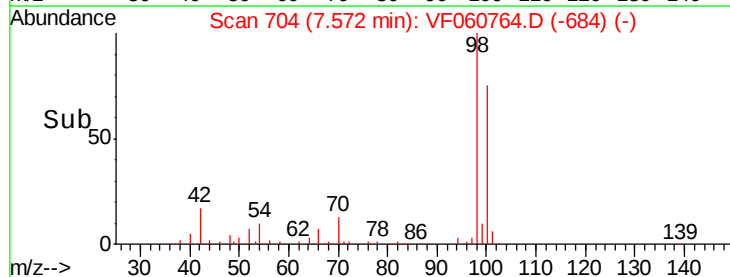
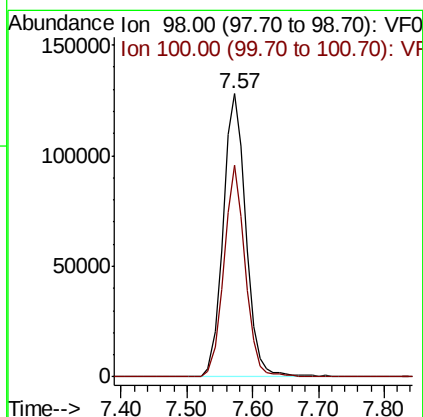
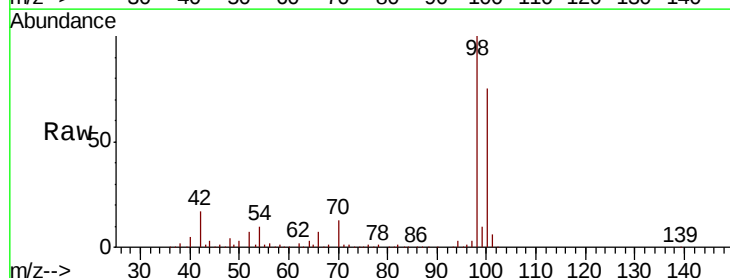
Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

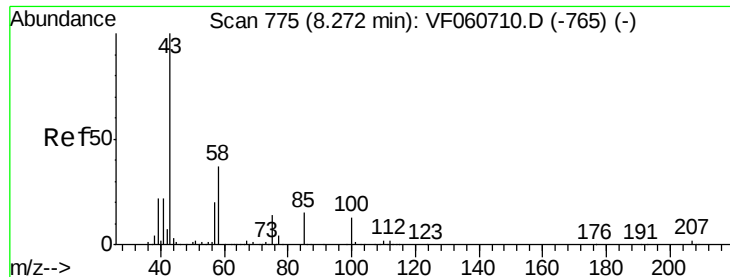
Tot Ion: 88 Resp: 4994
Ion Ratio Lower Upper
88 100
43 61.8 44.6 66.8
58 66.4 54.5 81.7



#50
Toluene-d8
Concen: 54.781 ug/l
RT: 7.57 min Scan# 704
Delta R.T. 0.00 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

Tgt Ion: 98 Resp: 310745
Ion Ratio Lower Upper
98 100
100 74.6 56.5 84.7





#51

4-Methyl-2-Pentanone

Concen: 133.966 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

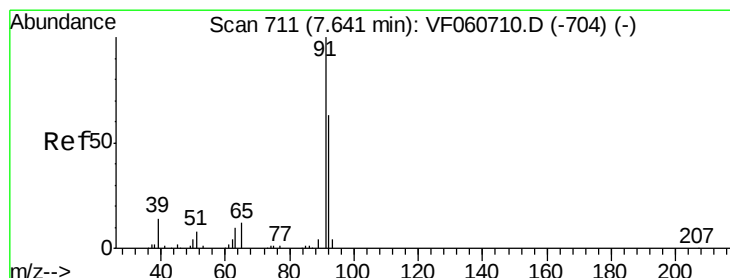
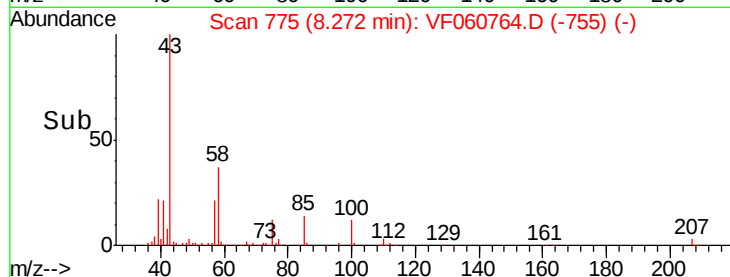
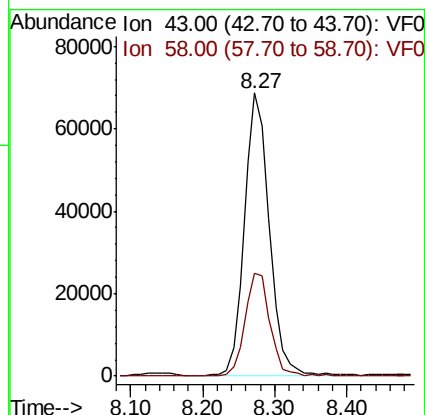
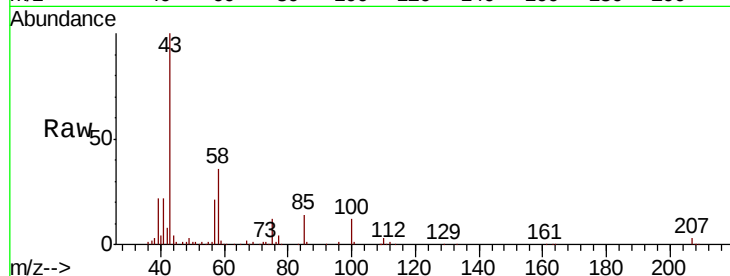
VF1116SBS01

Tot Ion: 43 Resp: 163941

Ion Ratio Lower Upper

43 100

58 36.5 29.2 43.8



#52

Toluene

Concen: 22.103 ug/l

RT: 7.64 min Scan# 711

Delta R.T. -0.00 min

Lab File: VF060764.D

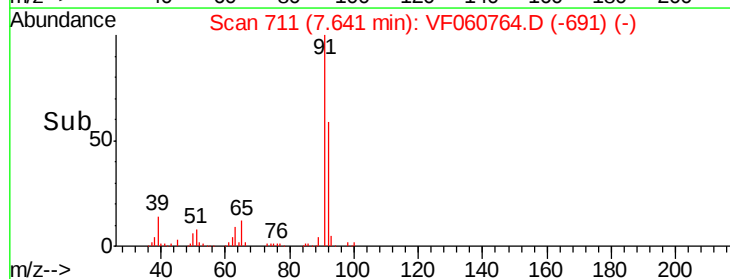
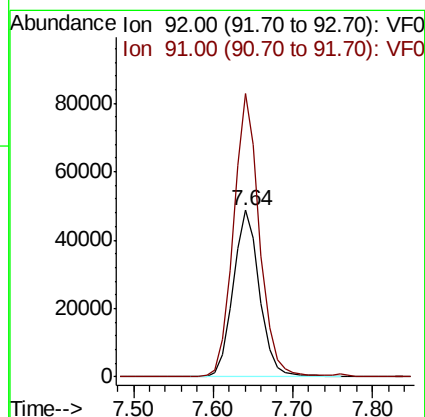
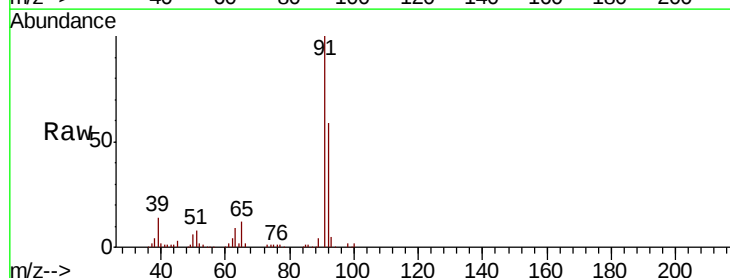
Acq: 16 Nov 2018 14:36

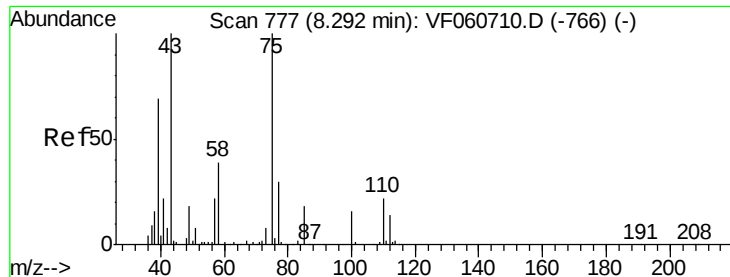
Tgt Ion: 92 Resp: 113332

Ion Ratio Lower Upper

92 100

91 169.9 126.7 190.1





#53

t-1,3-Dichloropropene

Concen: 24.348 ug/l

RT: 8.29 min Scan# 777

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

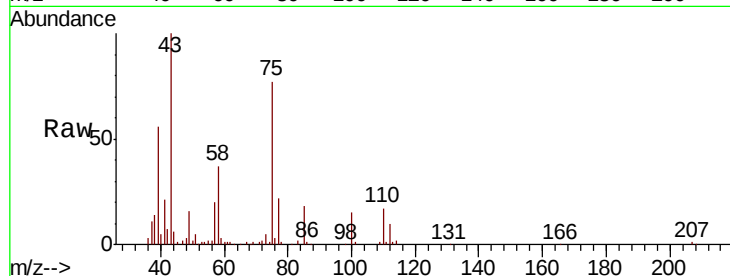
VF1116SBS01

Tot Ion: 75 Resp: 65453

Ion Ratio Lower Upper

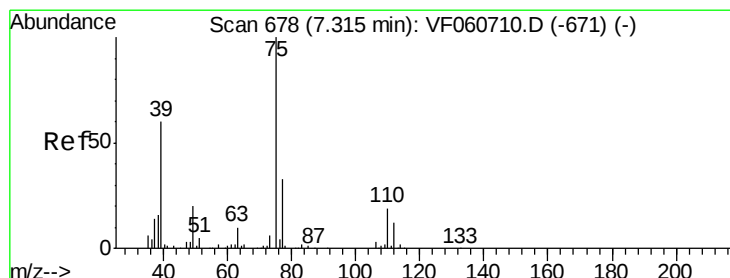
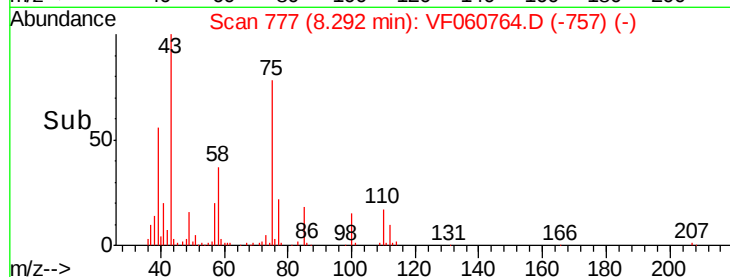
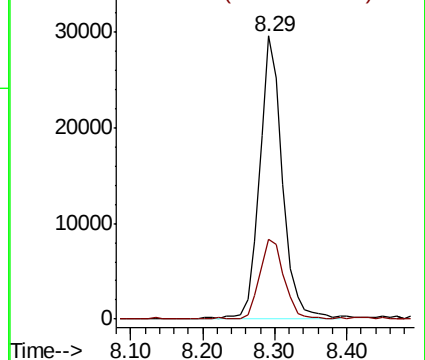
75 100

77 28.4 24.6 36.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 22.321 ug/l

RT: 7.32 min Scan# 678

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

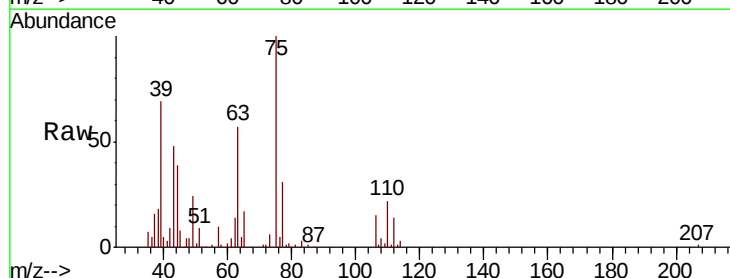
Tgt Ion: 75 Resp: 77940

Ion Ratio Lower Upper

75 100

77 30.8 26.5 39.7

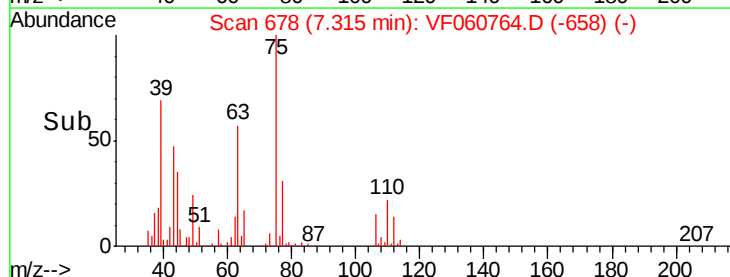
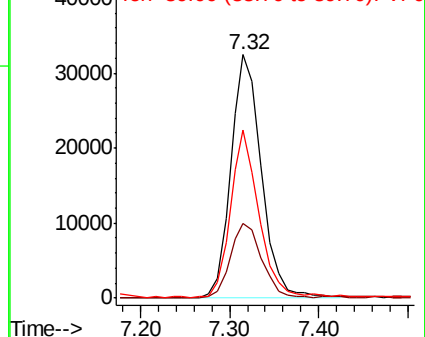
39 69.3 48.5 72.7

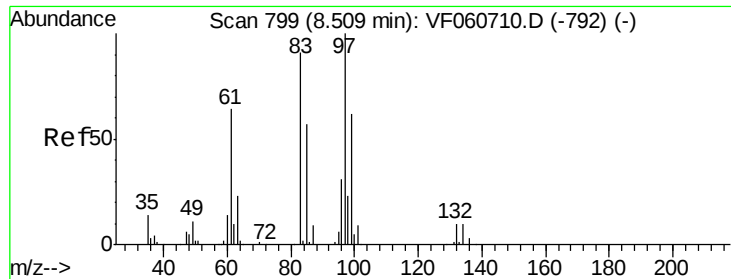


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 22.515 ug/l

RT: 8.51 min Scan# 799

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

Tot Ion: 97 Resp: 32985

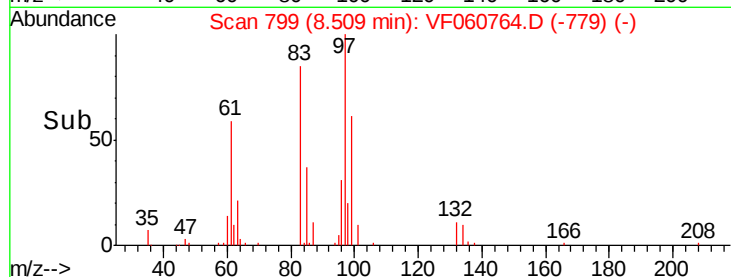
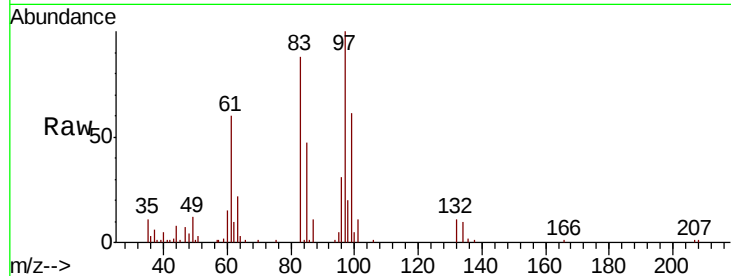
Ion Ratio Lower Upper

97 100

83 88.2 72.8 109.2

85 46.8 45.8 68.6

99 60.9 49.4 74.0

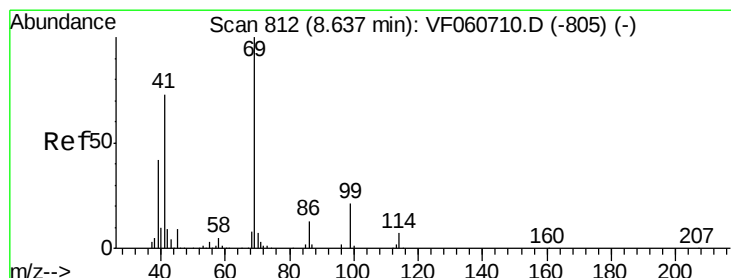
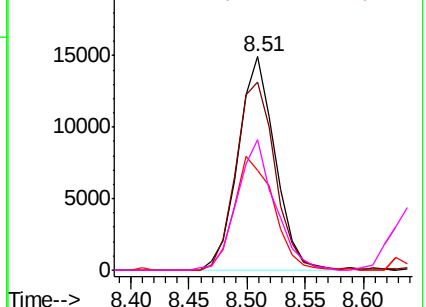


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 26.134 ug/l

RT: 8.64 min Scan# 812

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

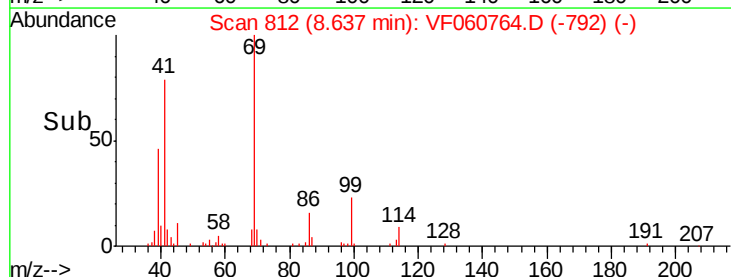
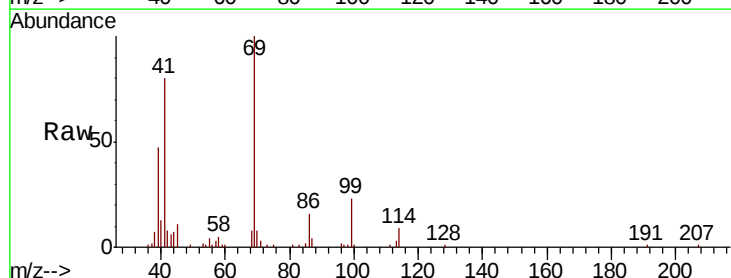
Tgt Ion: 69 Resp: 43483

Ion Ratio Lower Upper

69 100

41 79.8 59.0 88.6

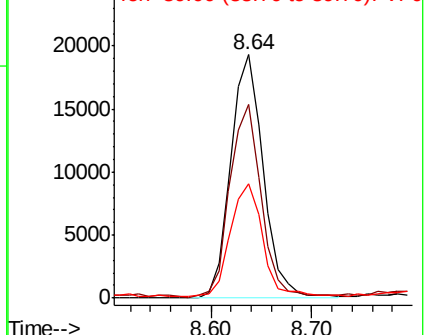
39 47.1 34.0 51.0

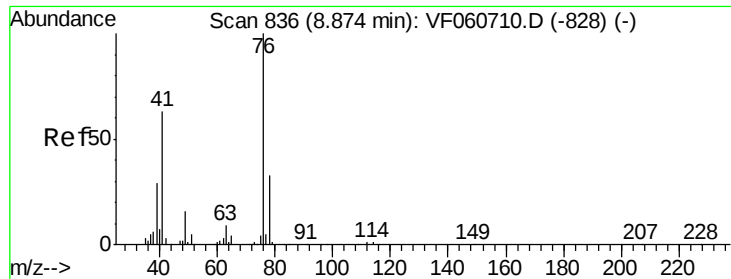


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 22.976 ug/l

RT: 8.86 min Scan# 835

Delta R.T. -0.01 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

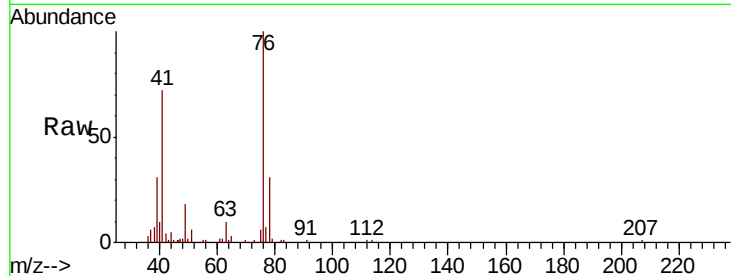
VF1116SBS01

Tot Ion: 76 Resp: 58335

Ion Ratio Lower Upper

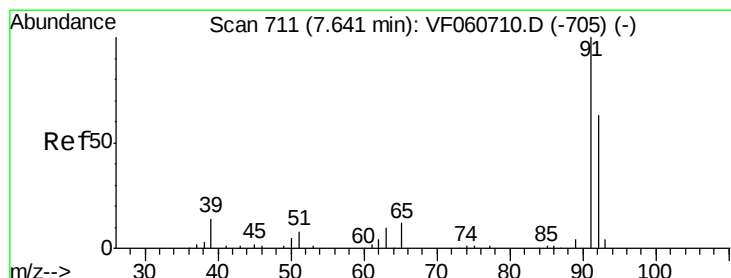
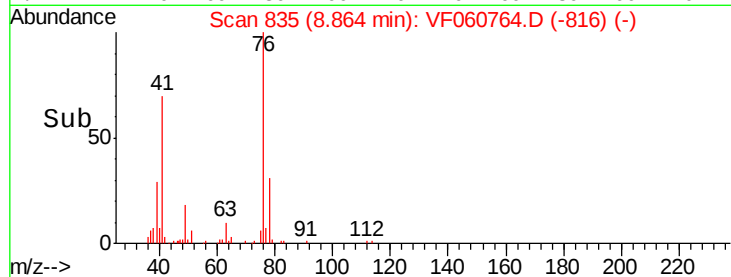
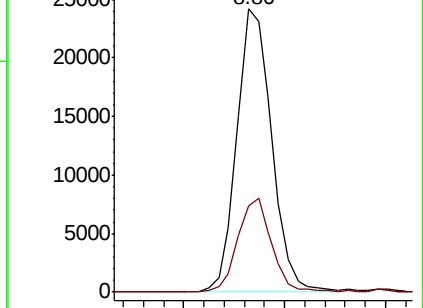
76 100

78 30.5 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: 109.967 ug/l

RT: 7.64 min Scan# 711

Delta R.T. -0.00 min

Lab File: VF060764.D

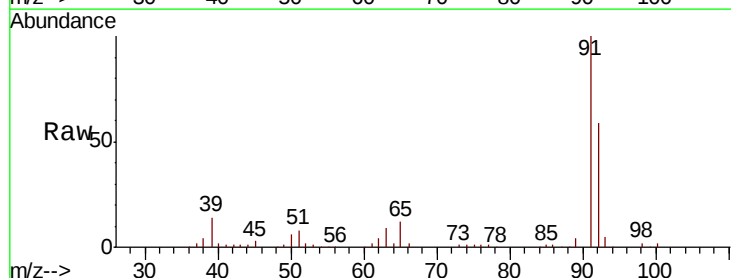
Acq: 16 Nov 2018 14:36

Tgt Ion: 63 Resp: 16714

Ion Ratio Lower Upper

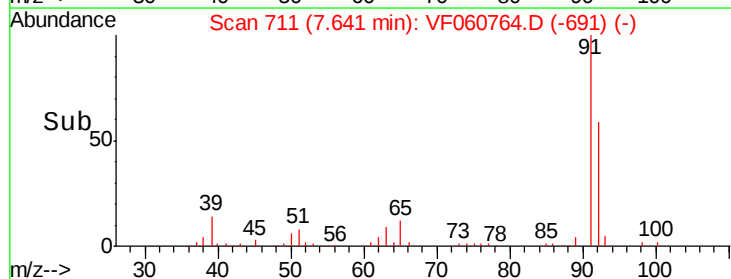
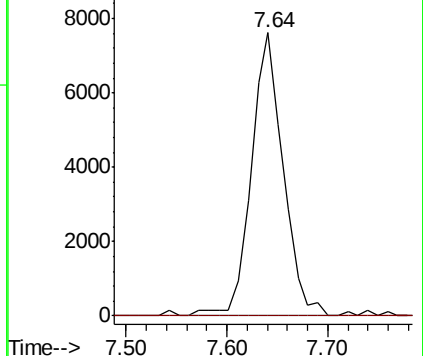
63 100

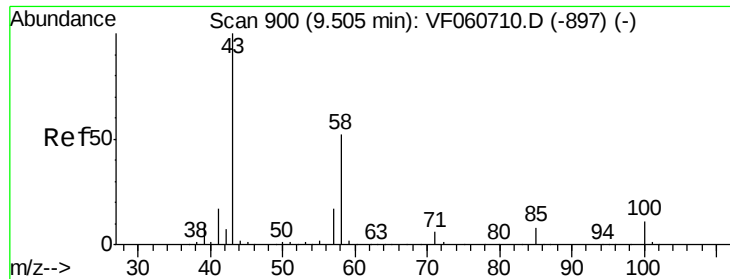
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





#59

2-Hexanone

Concen: 142.460 ug/l

RT: 9.51 min Scan# 900

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

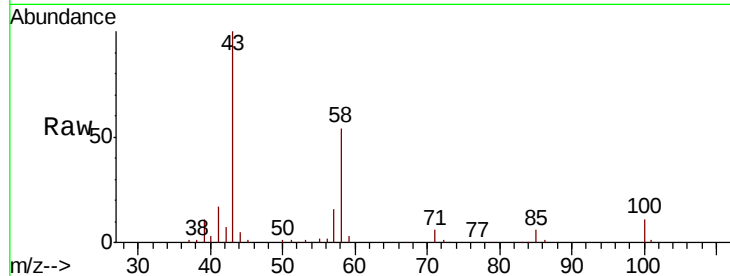
VF1116SBSD01

Tot Ion: 43 Resp: 122517

Ion Ratio Lower Upper

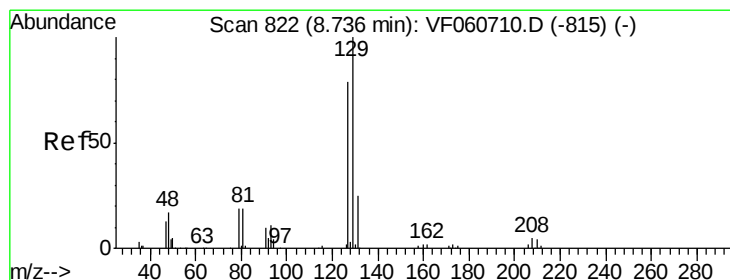
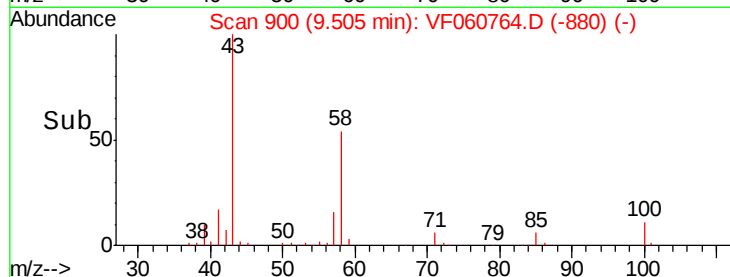
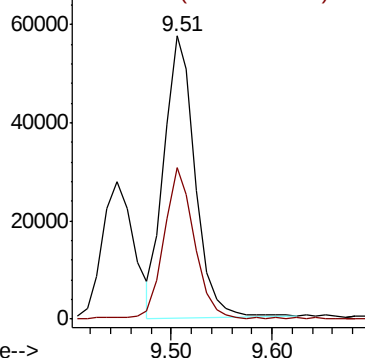
43 100

58 53.7 24.9 74.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#60

Dibromochloromethane

Concen: 23.055 ug/l

RT: 8.74 min Scan# 822

Delta R.T. -0.00 min

Lab File: VF060764.D

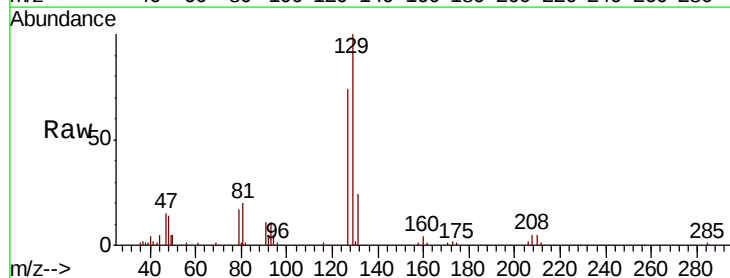
Acq: 16 Nov 2018 14:36

Tgt Ion:129 Resp: 48138

Ion Ratio Lower Upper

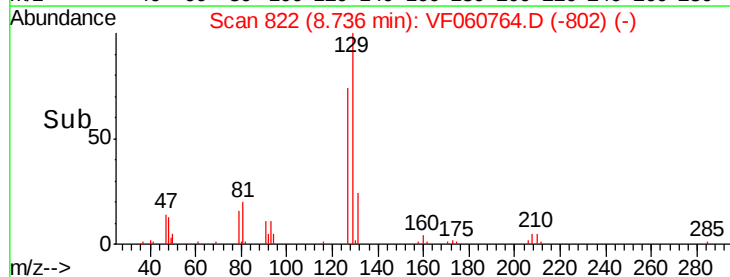
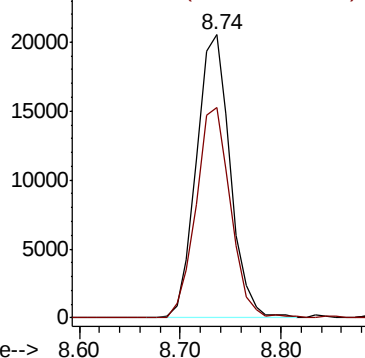
129 100

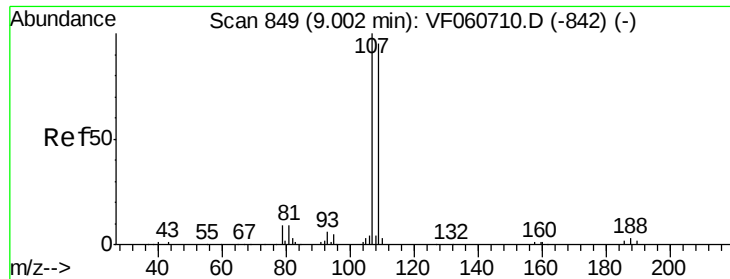
127 74.4 39.7 119.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#61

1,2-Dibromoethane

Concen: 24.096 ug/l

RT: 9.00 min Scan# 849

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

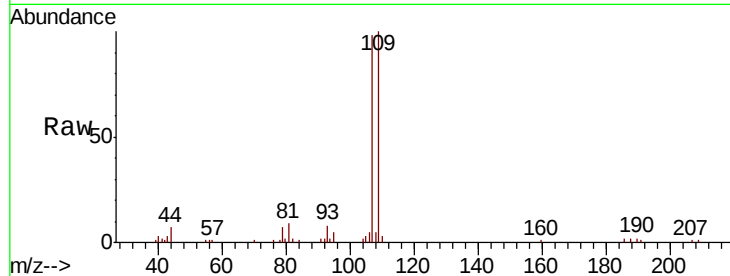
VF1116SBS01

Tot Ion:107 Resp: 37127

Ion Ratio Lower Upper

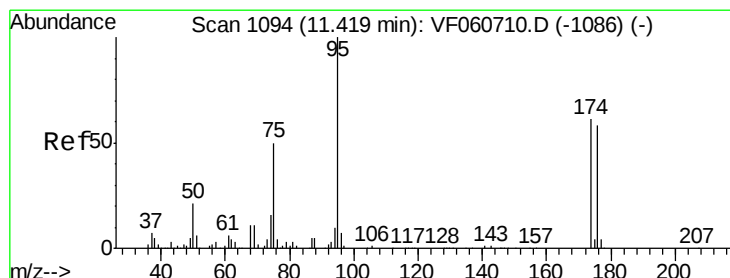
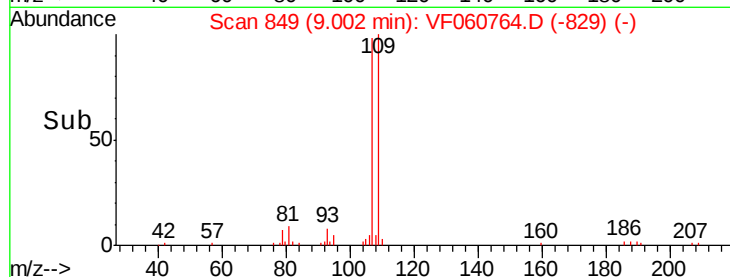
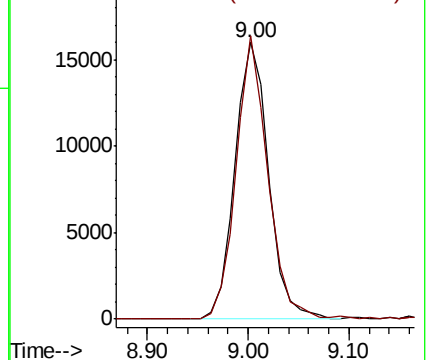
107 100

109 102.3 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: 58.509 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

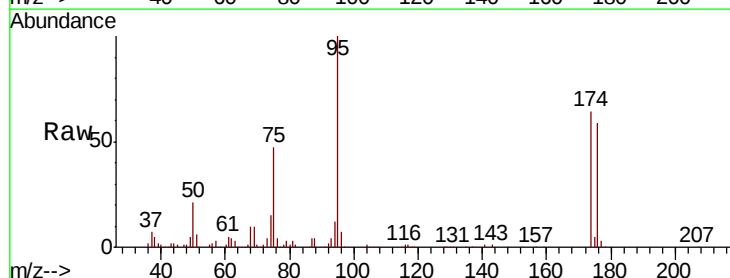
Tgt Ion: 95 Resp: 152229

Ion Ratio Lower Upper

95 100

174 64.3 0.0 121.6

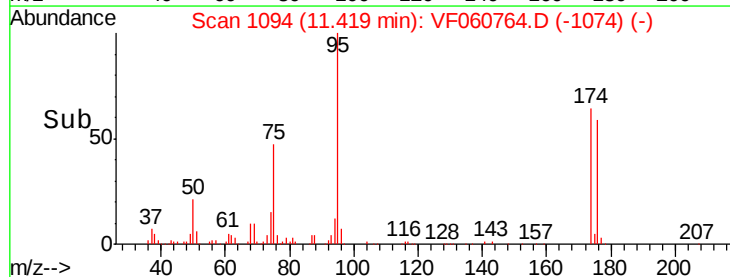
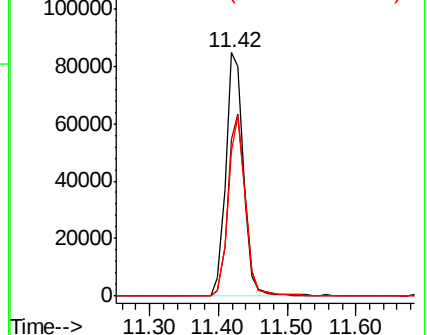
176 59.4 0.0 115.2

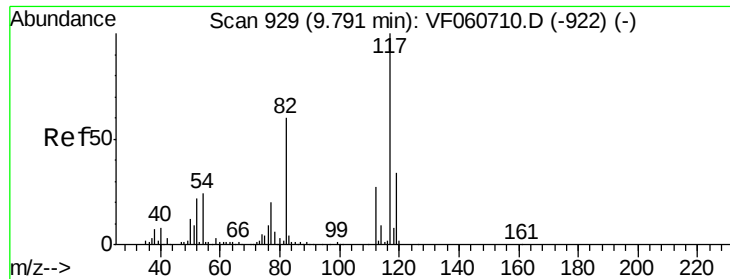


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

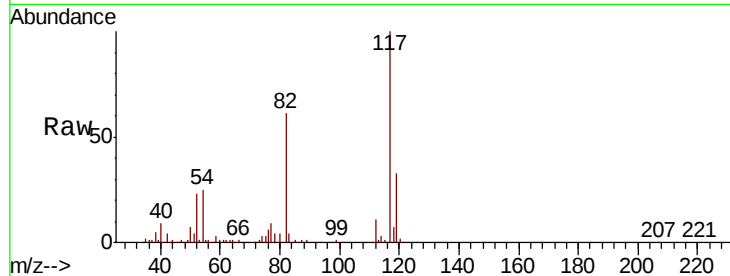




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.00 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.3	47.9	71.9
119	32.9	26.8	40.2

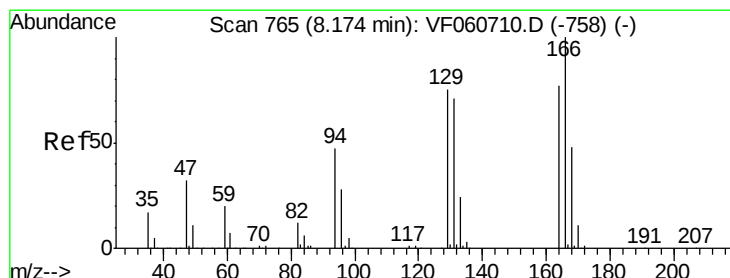
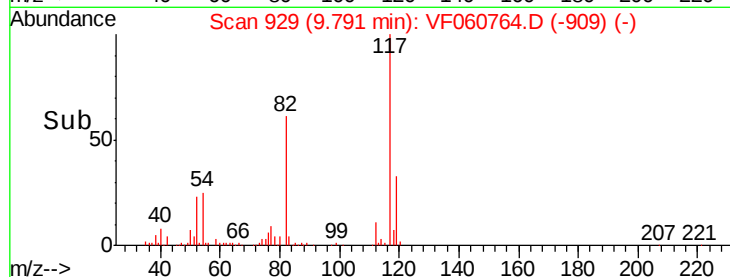
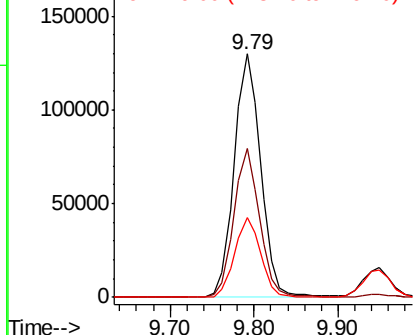


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 21.576 ug/l
RT: 8.17 min Scan# 765
Delta R.T. -0.00 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.3	103.5	155.3
129	86.7	77.4	116.2
131	84.7	73.5	110.3

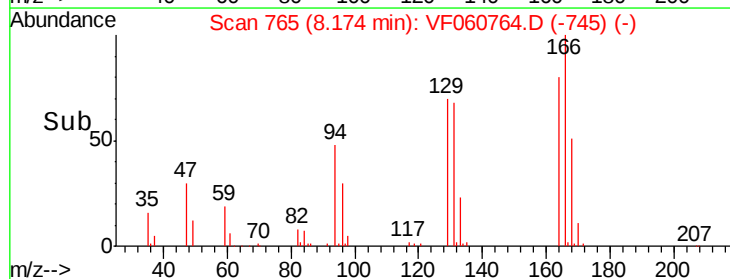
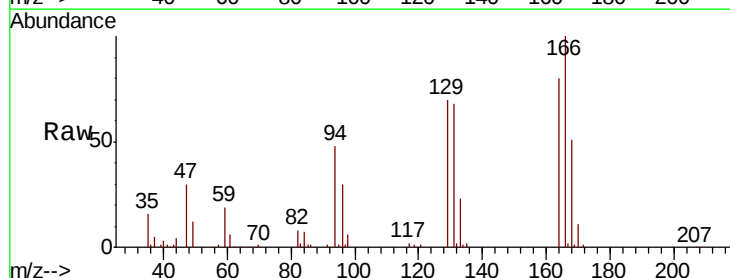
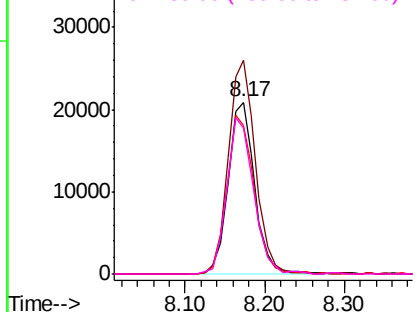
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

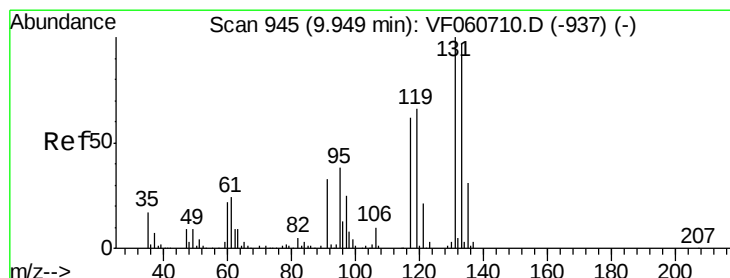
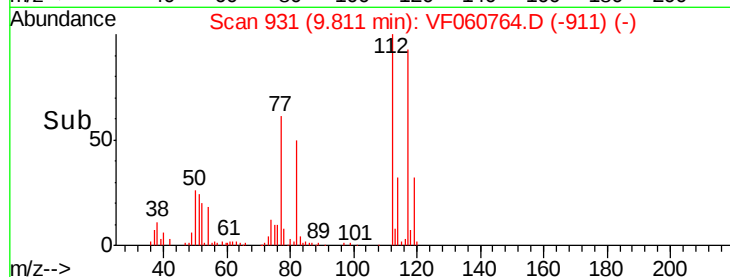
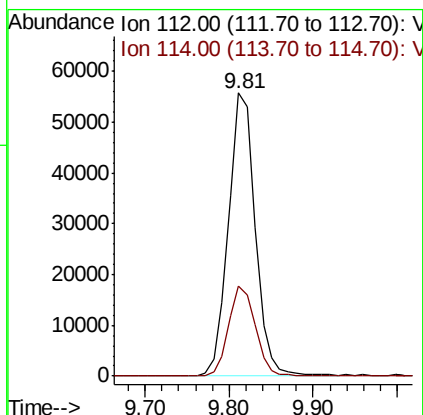
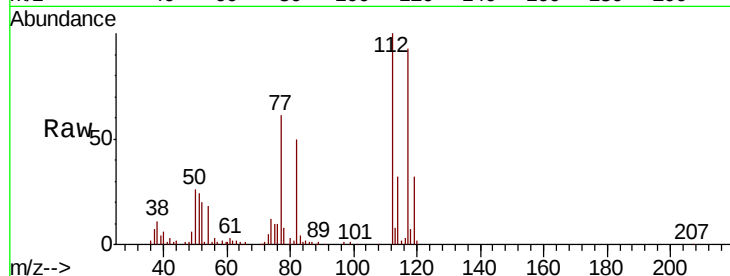




#65
Chlorobenzene
Concen: 21.637 ug/l
RT: 9.81 min Scan# 931
Delta R.T. -0.00 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

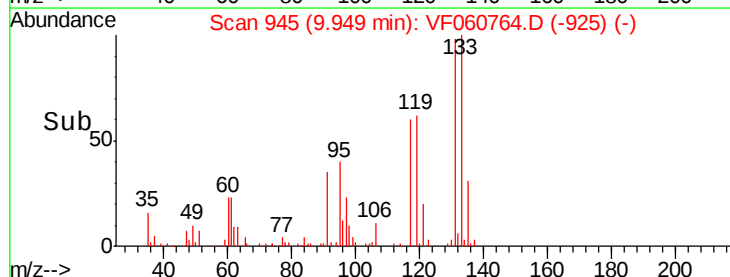
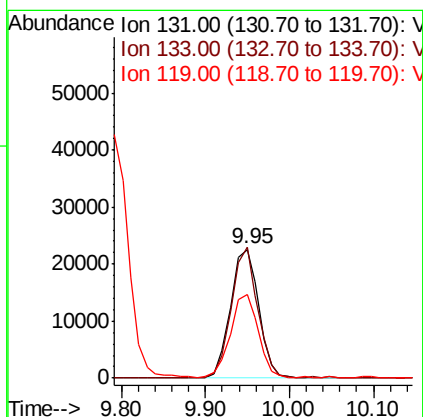
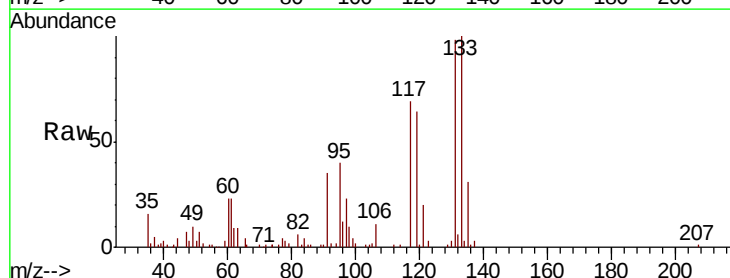
Instrument :
MSVOA_F
ClientSampleId :
VF1116SBSD01

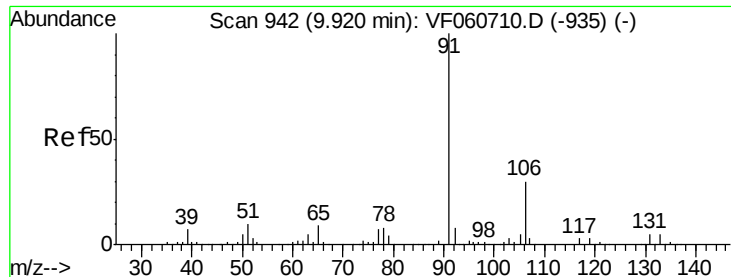
Tot Ion:112 Resp: 124465
Ion Ratio Lower Upper
112 100
114 32.0 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 21.035 ug/l
RT: 9.95 min Scan# 945
Delta R.T. 0.00 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

Tgt Ion:131 Resp: 52776
Ion Ratio Lower Upper
131 100
133 101.6 48.3 144.8
119 64.6 33.2 99.6

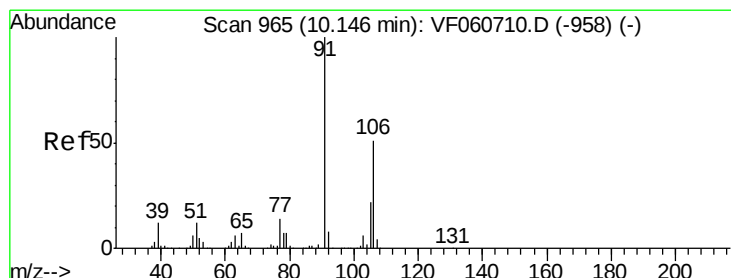
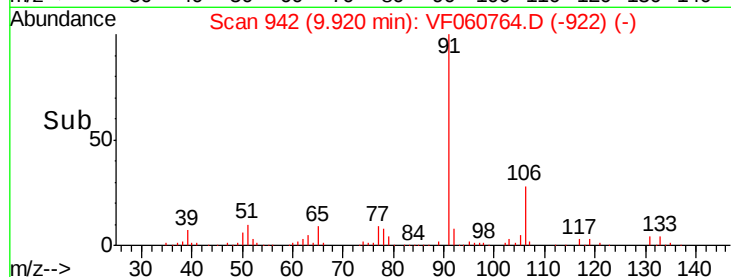
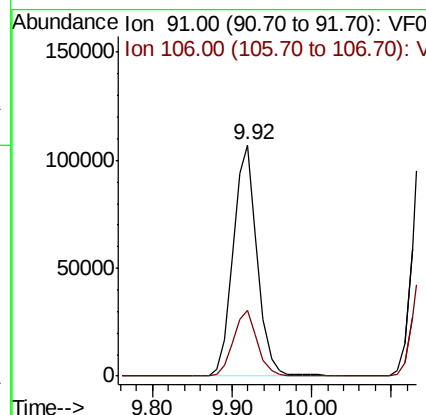
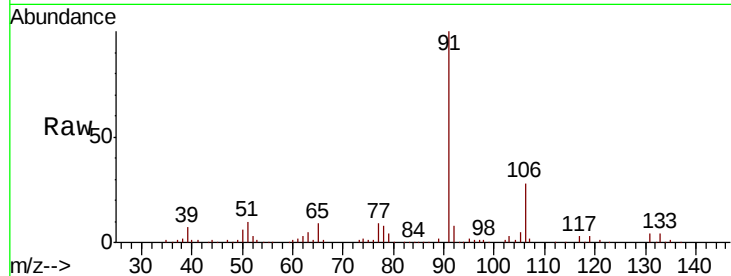




#67
Ethyl Benzene
Concen: 20.895 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.00 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

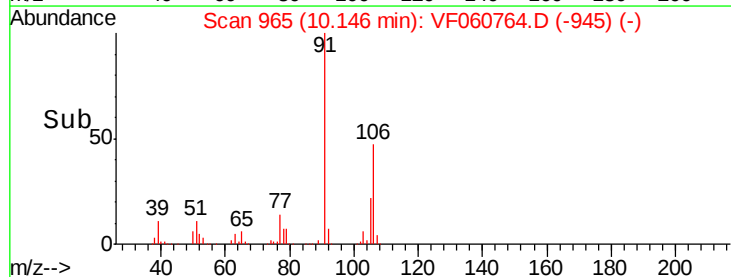
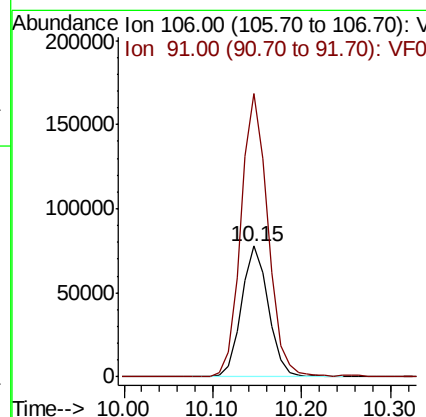
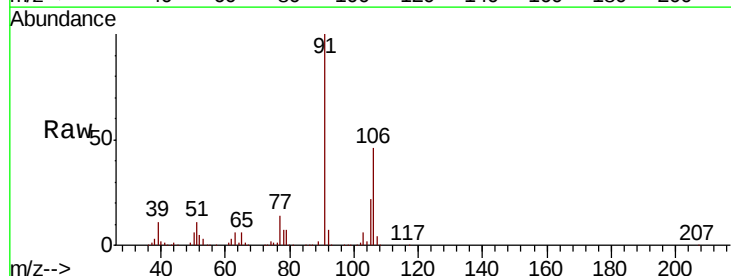
Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

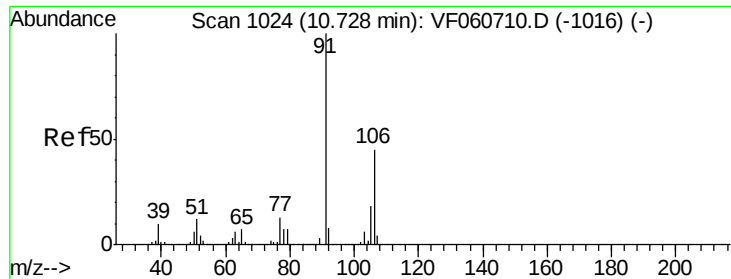
Tot Ion: 91 Resp: 226564
Ion Ratio Lower Upper
91 100
106 28.5 23.9 35.9



#68
m/p-Xylenes
Concen: 42.613 ug/l
RT: 10.15 min Scan# 965
Delta R.T. -0.00 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

Tgt Ion: 106 Resp: 165123
Ion Ratio Lower Upper
106 100
91 216.5 158.2 237.2

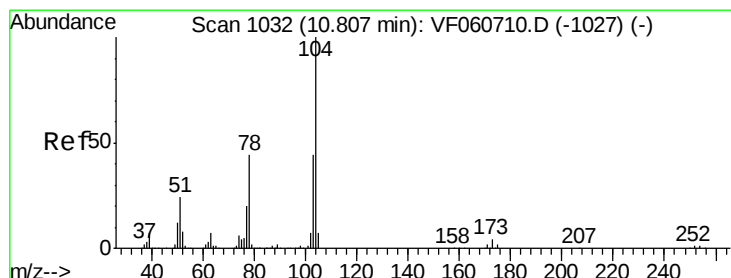
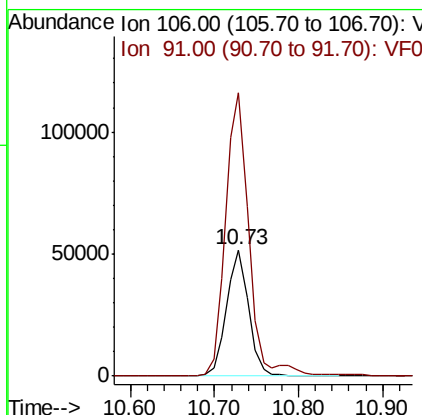
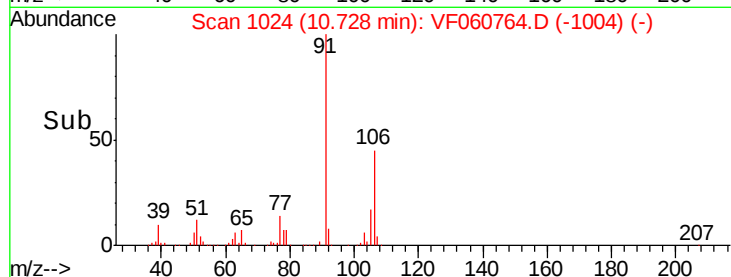
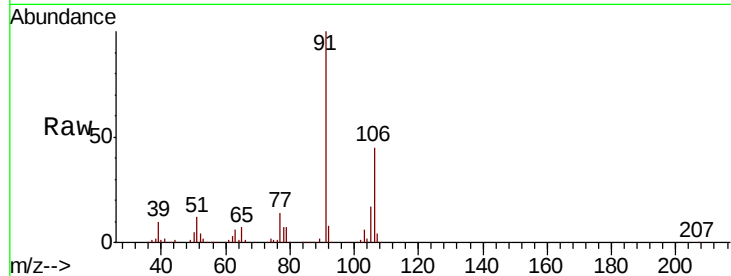




#69
o-Xylene
Concen: 21.819 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. -0.00 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

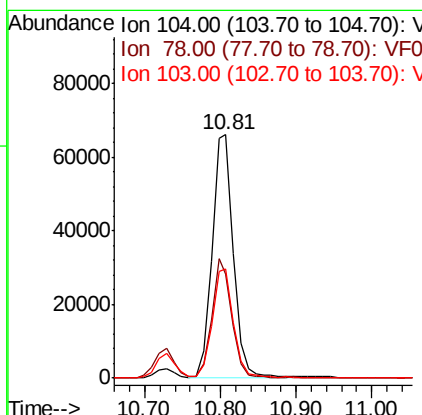
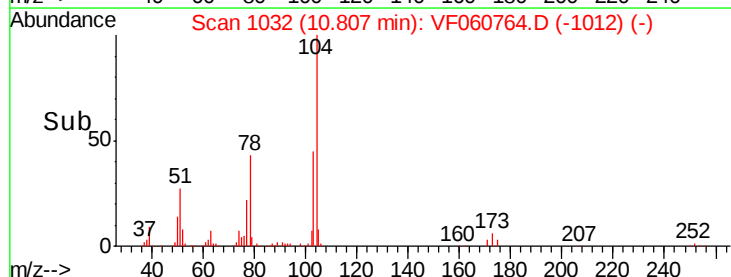
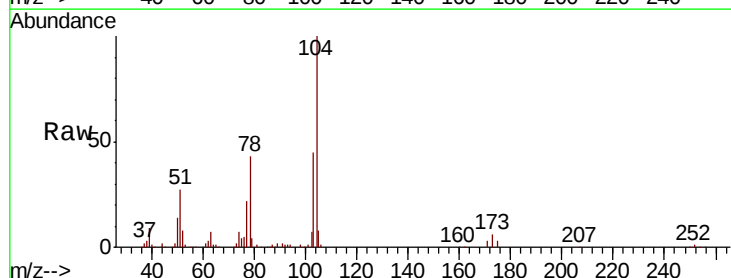
Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

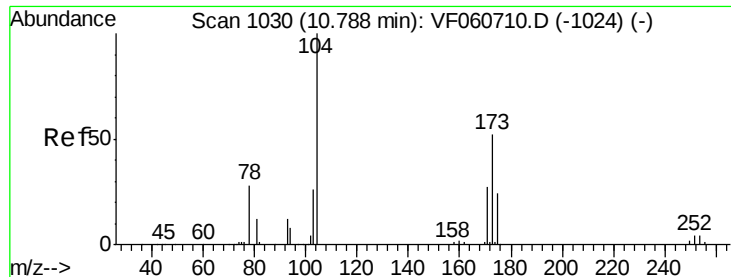
Tot Ion:106 Resp: 95056
Ion Ratio Lower Upper
106 100
91 223.8 110.3 330.9



#70
Styrene
Concen: 22.174 ug/l
RT: 10.81 min Scan# 1032
Delta R.T. -0.00 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

Tgt Ion:104 Resp: 131102
Ion Ratio Lower Upper
104 100
78 42.8 35.4 53.2
103 45.0 35.8 53.6





#71

Bromoform

Concen: 23.418 ug/l

RT: 10.79 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBSD01

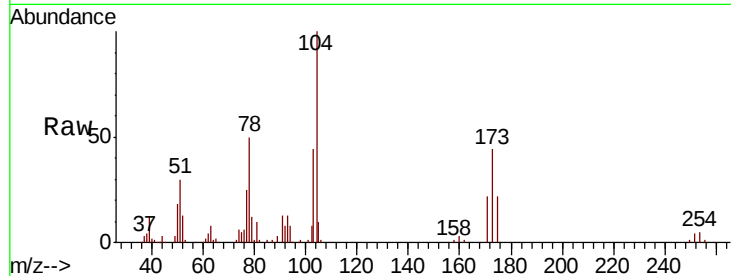
Tot Ion:173 Resp: 26421

Ion Ratio Lower Upper

173 100

175 50.0 23.4 70.0

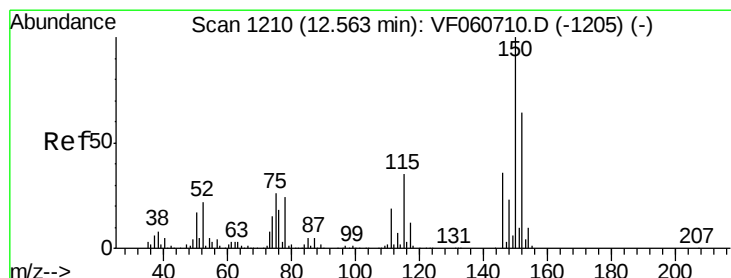
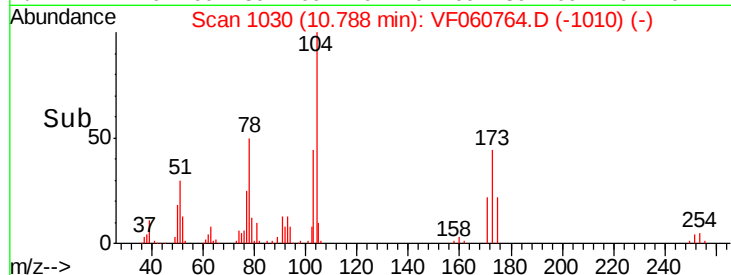
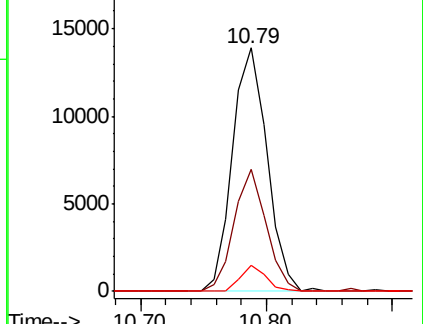
254 10.9 5.8 8.8#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

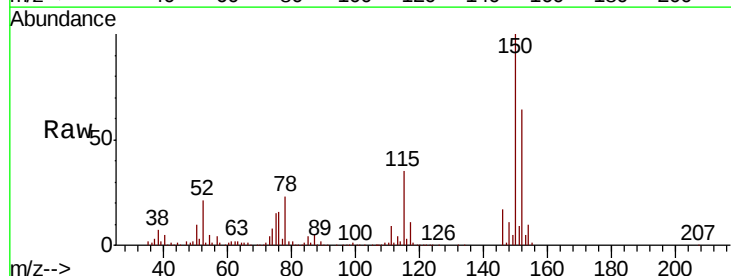
Tgt Ion:152 Resp: 160203

Ion Ratio Lower Upper

152 100

115 55.1 27.9 83.7

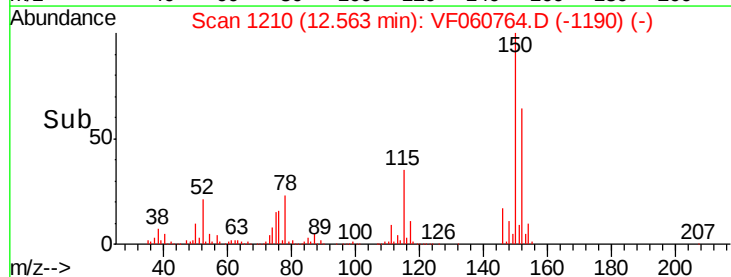
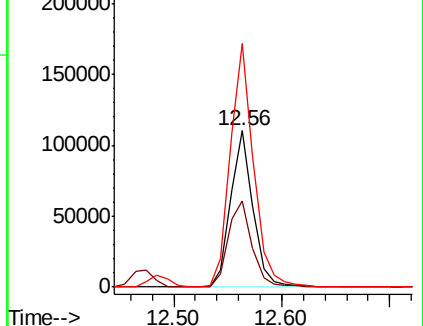
150 155.6 0.0 316.4

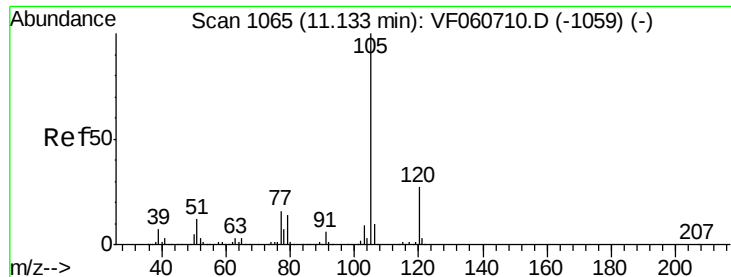


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 21.283 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

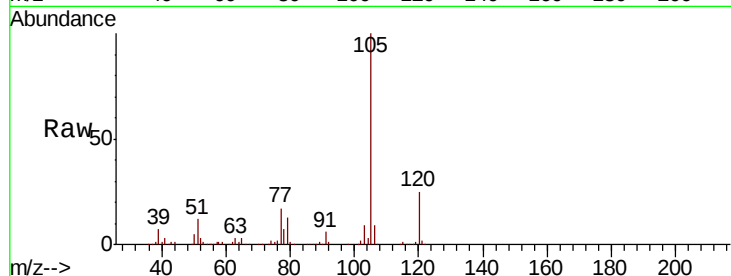
VF1116SBS01

Tot Ion:105 Resp: 274445

Ion Ratio Lower Upper

105 100

120 24.6 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.13

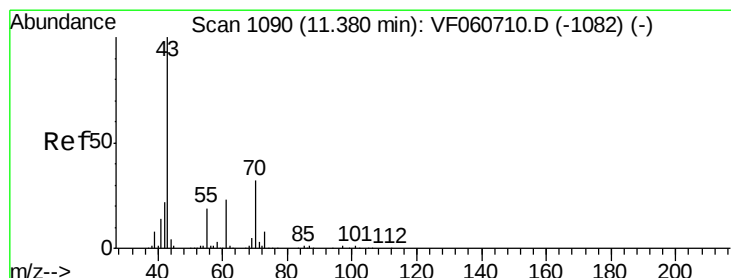
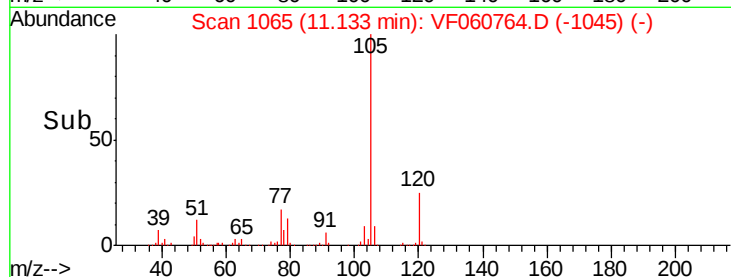
150000

100000

50000

0

Time--> 11.00 11.10 11.20



#74

N-ethyl acetate

Concen: 26.150 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Tgt Ion: 43 Resp: 76766

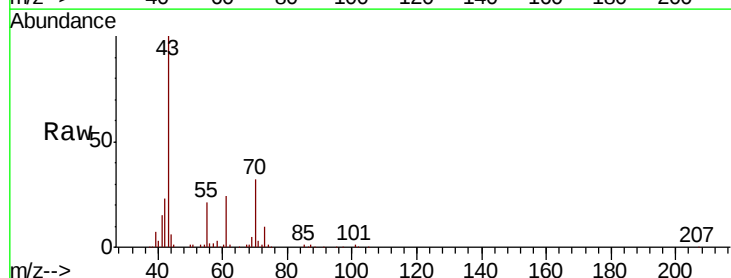
Ion Ratio Lower Upper

43 100

70 31.9 25.5 38.3

55 20.5 14.9 22.3

61 24.0 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

11.38

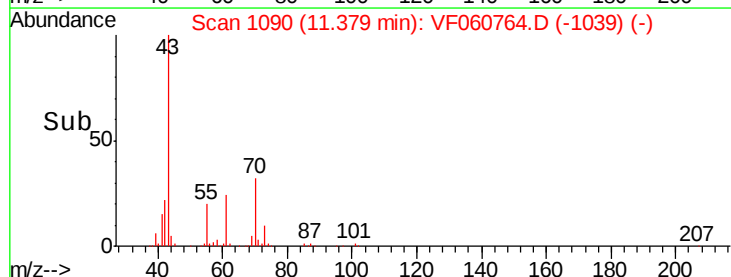
60000

40000

20000

0

Time--> 11.30 11.40 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 23.315 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

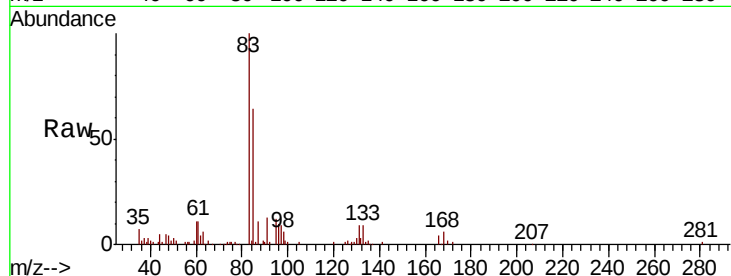
Tot Ion: 83 Resp: 49706

Ion Ratio Lower Upper

83 100

131 8.9 4.2 12.4

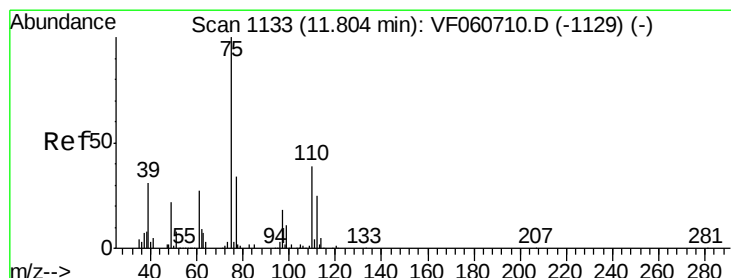
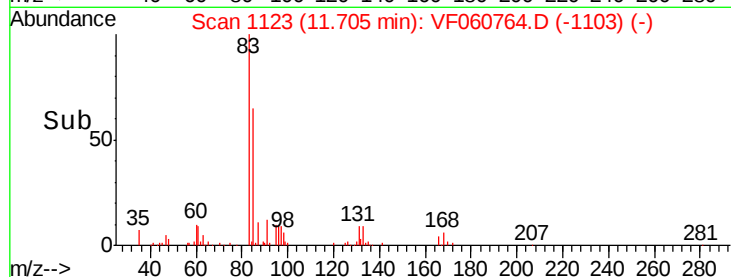
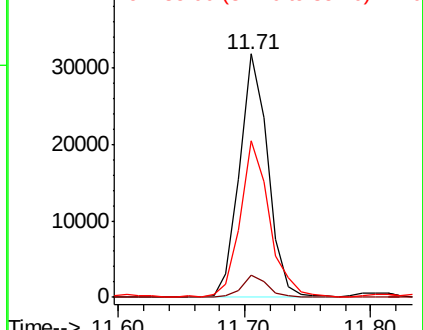
85 64.3 32.0 96.2



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: 21.182 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VF060764.D

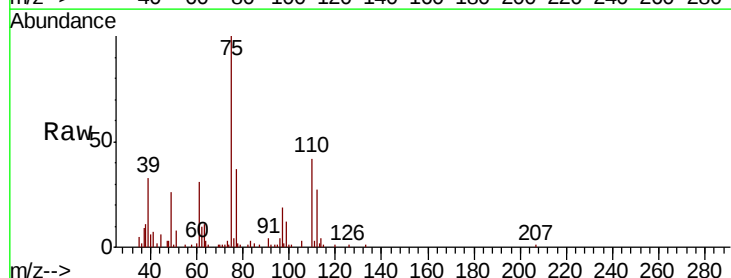
Acq: 16 Nov 2018 14:36

Tgt Ion: 75 Resp: 33539

Ion Ratio Lower Upper

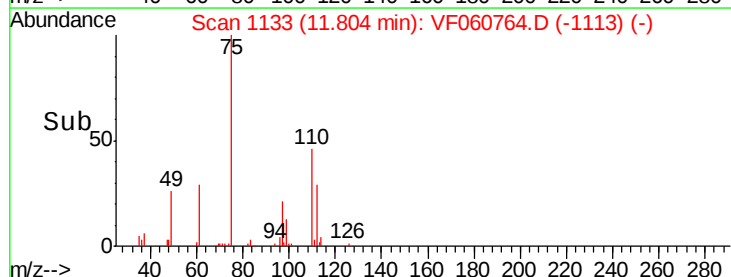
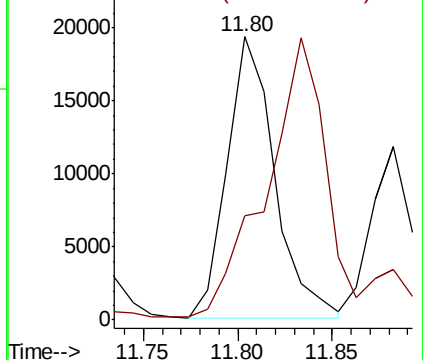
75 100

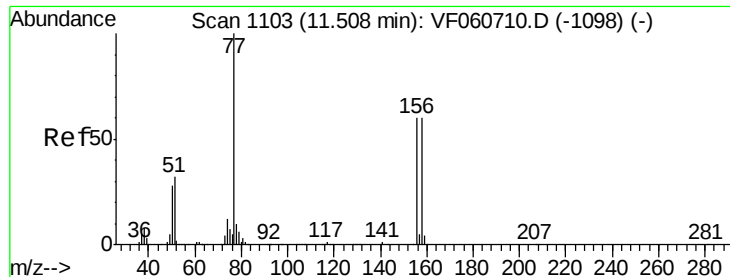
77 36.9 17.0 51.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 22.137 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBSD01

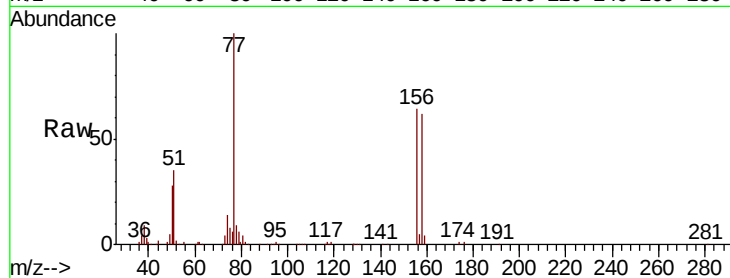
Tot Ion:156 Resp: 59419

Ion Ratio Lower Upper

156 100

77 156.2 83.0 248.9

158 97.1 49.6 149.0

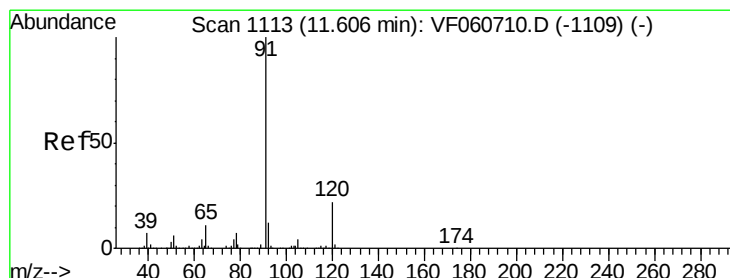
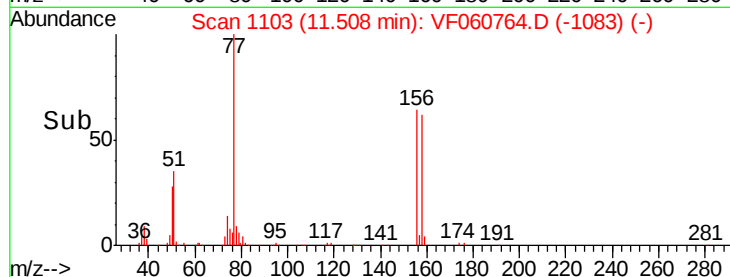
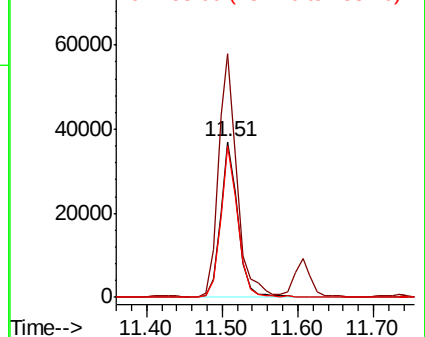


Abundance

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: 21.612 ug/l

RT: 11.61 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF060764.D

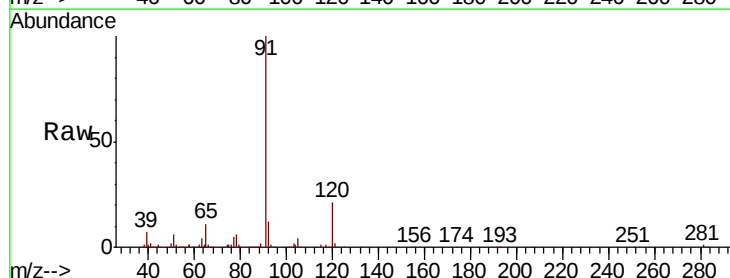
Acq: 16 Nov 2018 14:36

Tgt Ion: 91 Resp: 325030

Ion Ratio Lower Upper

91 100

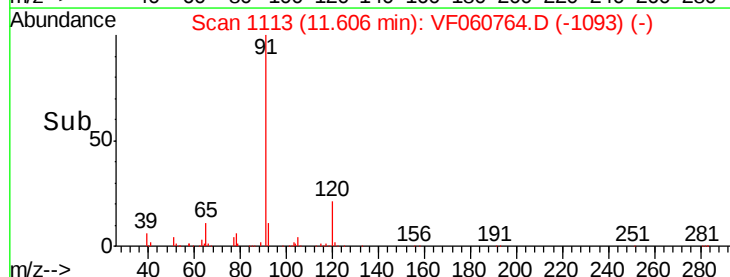
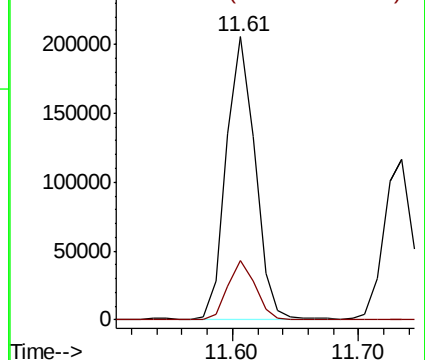
120 20.9 11.2 33.5

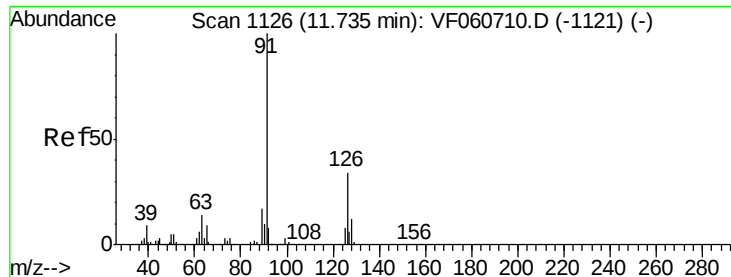


Abundance

Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.255 ug/l

RT: 11.73 min Scan# 1126

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

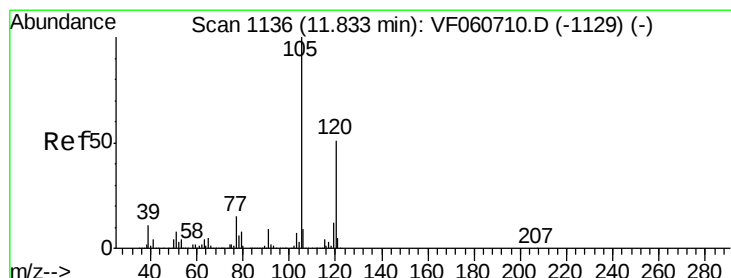
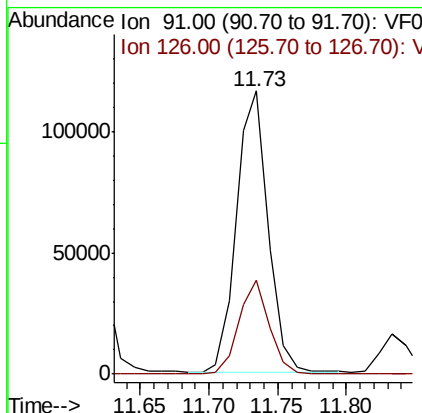
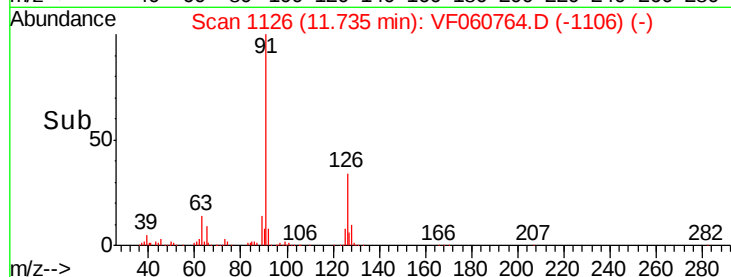
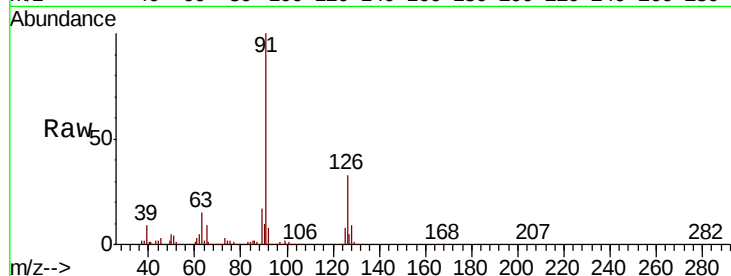
VF1116SBS01

Tot Ion: 91 Resp: 185793

Ion Ratio Lower Upper

91 100

126 33.3 16.8 50.4



#80

1,3,5-Trimethylbenzene

Concen: 21.590 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VF060764.D

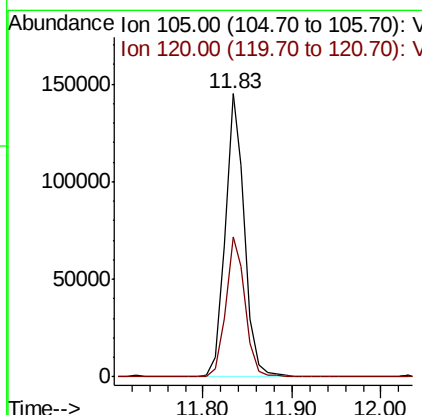
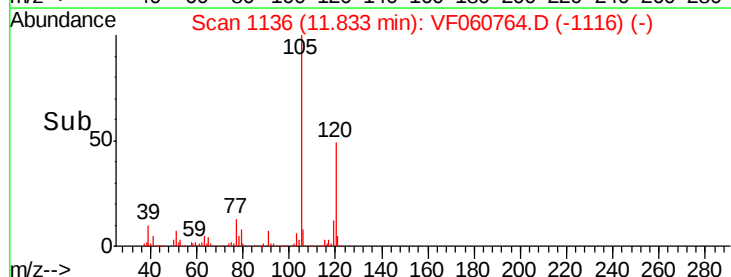
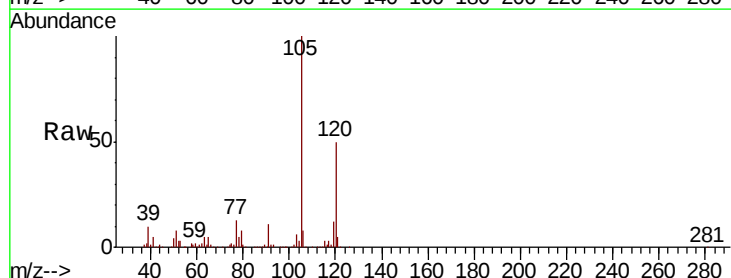
Acq: 16 Nov 2018 14:36

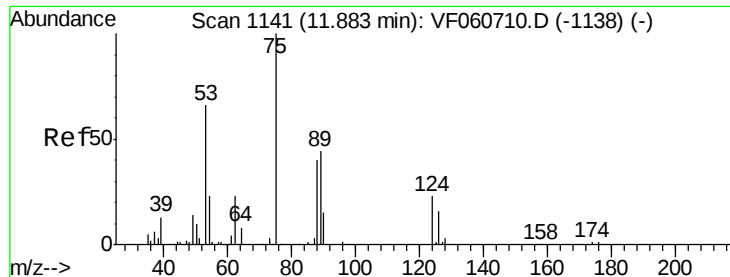
Tgt Ion: 105 Resp: 221031

Ion Ratio Lower Upper

105 100

120 49.5 25.6 76.8

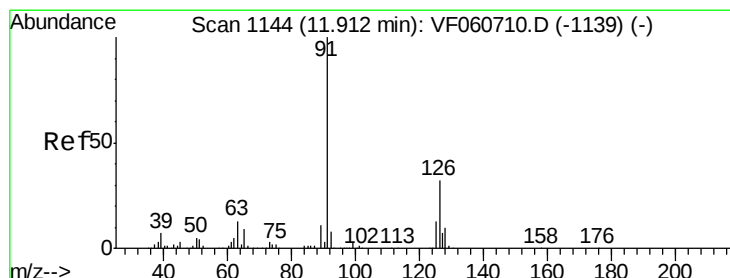
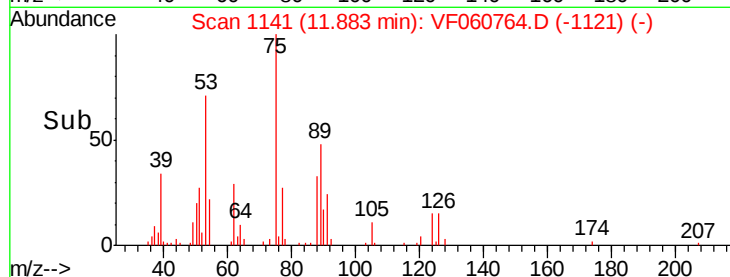
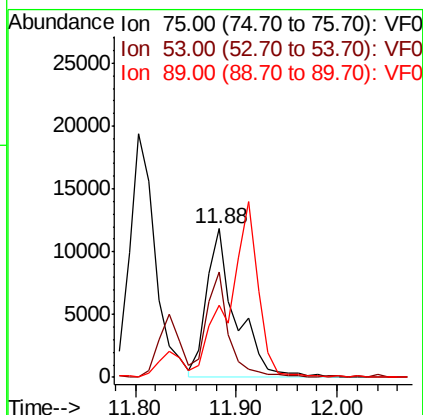
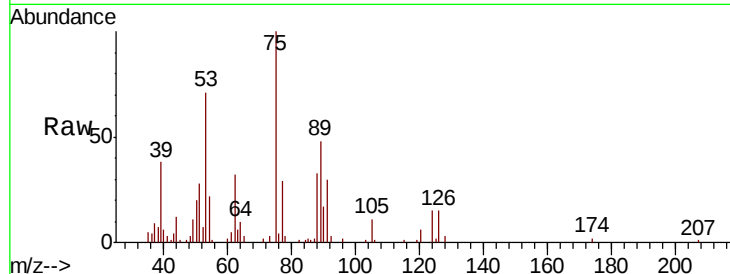




#81
trans-1,4-Dichloro-2-butene
Concen: 30.971 ug/l
RT: 11.88 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

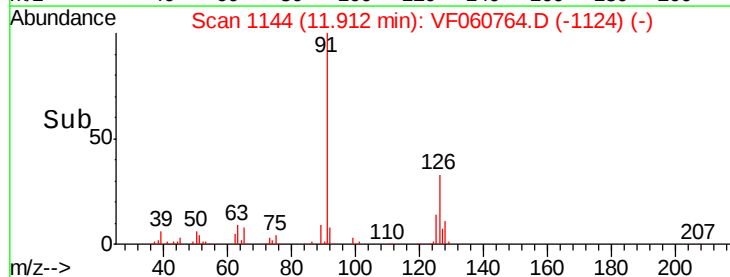
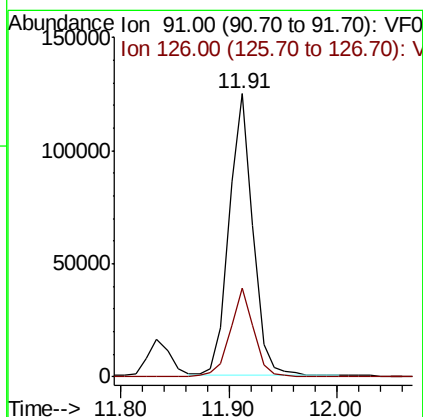
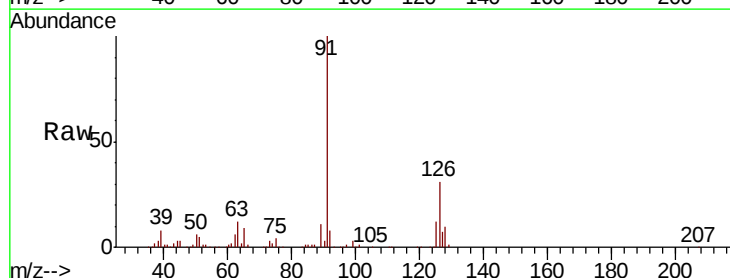
Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

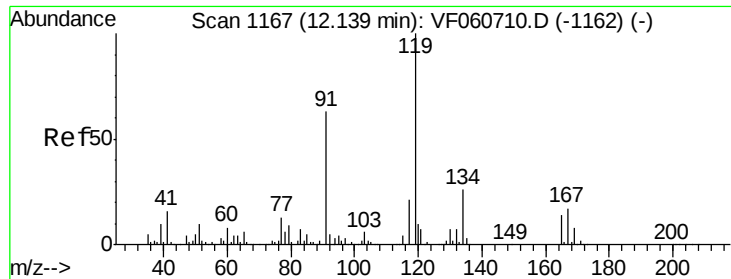
Tot Ion: 75 Resp: 24092
Ion Ratio Lower Upper
75 100
53 71.0 57.0 85.4
89 48.1 37.8 56.8



#82
4-Chlorotoluene
Concen: 21.328 ug/l
RT: 11.91 min Scan# 1144
Delta R.T. -0.00 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

Tgt Ion: 91 Resp: 190992
Ion Ratio Lower Upper
91 100
126 31.3 16.0 47.9

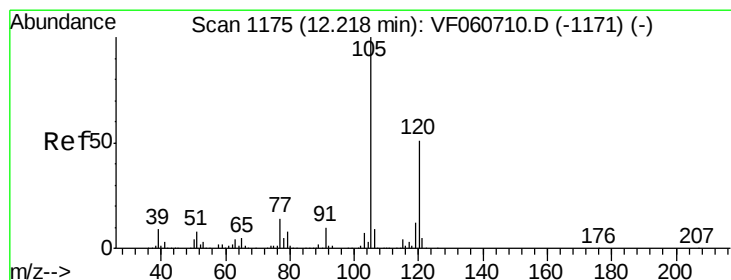
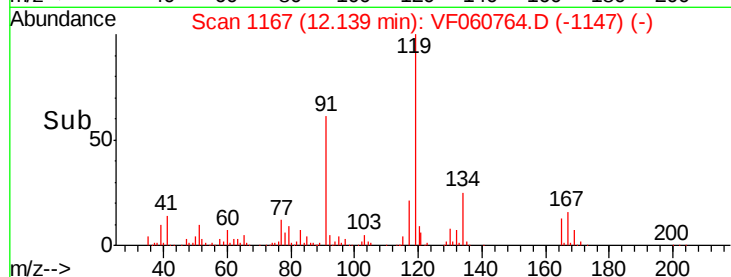
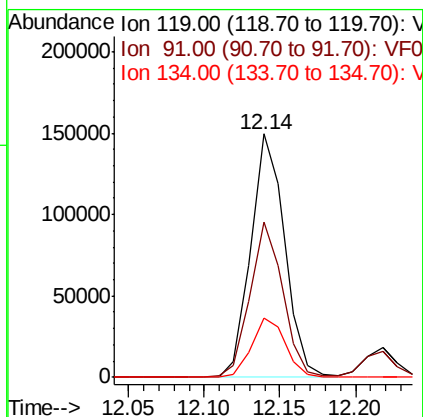
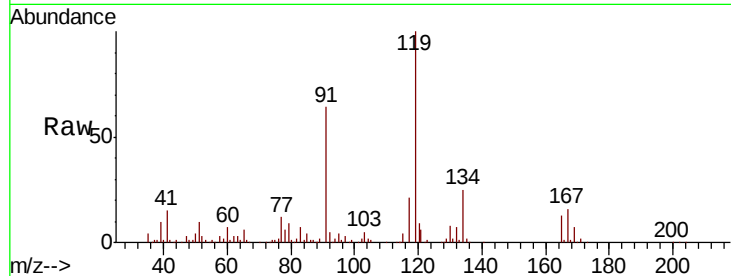




#83
 tert-Butylbenzene
 Concen: 21.596 ug/l
 RT: 12.14 min Scan# 1167
 Delta R.T. -0.00 min
 Lab File: VF060764.D
 Acq: 16 Nov 2018 14:36

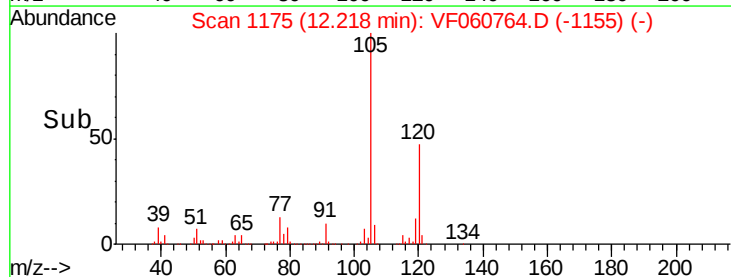
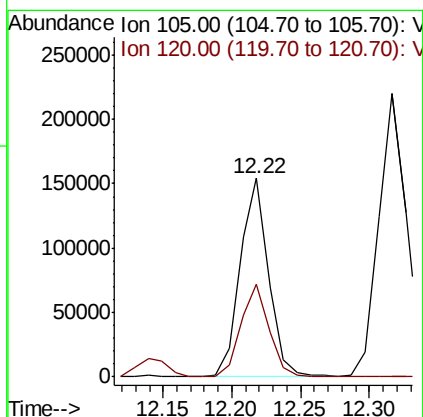
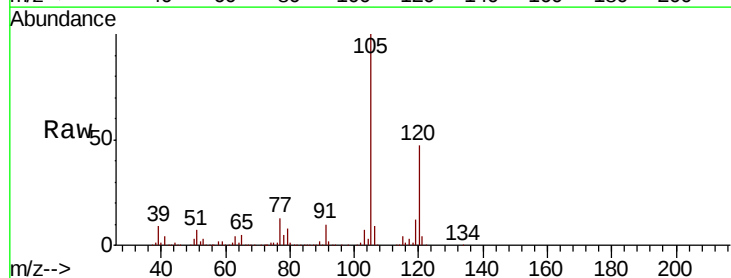
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1116SBS01

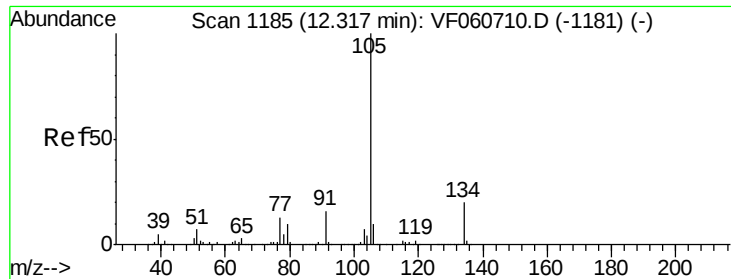
Tot Ion:119 Resp: 234750
 Ion Ratio Lower Upper
 119 100
 91 63.5 31.4 94.3
 134 24.5 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 20.913 ug/l
 RT: 12.22 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VF060764.D
 Acq: 16 Nov 2018 14:36

Tgt Ion:105 Resp: 221431
 Ion Ratio Lower Upper
 105 100
 120 46.8 25.5 76.5

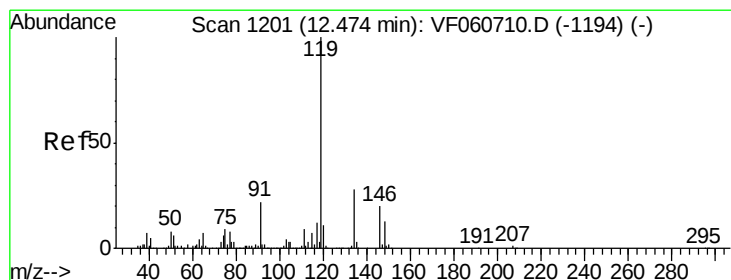
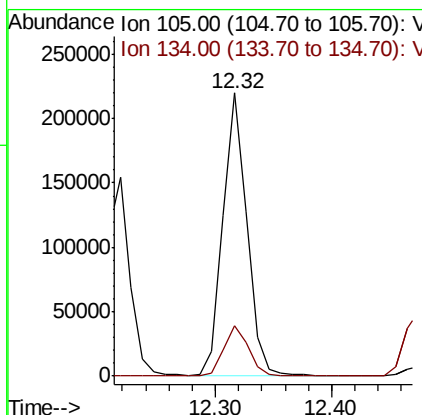
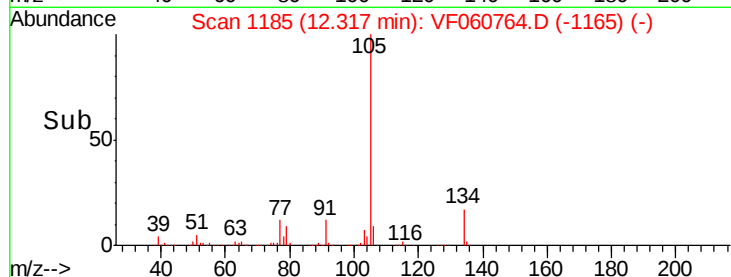
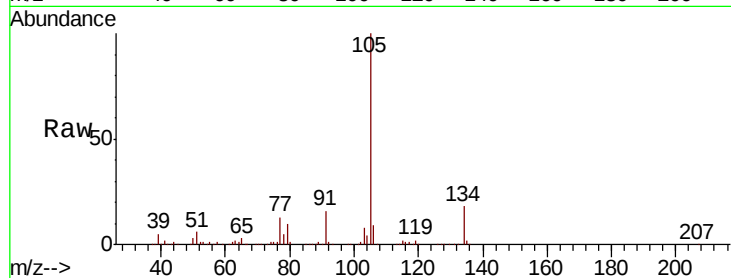




#85
 sec-Butylbenzene
 Concen: 21.243 ug/l
 RT: 12.32 min Scan# 1185
 Delta R.T. -0.00 min
 Lab File: VF060764.D
 Acq: 16 Nov 2018 14:36

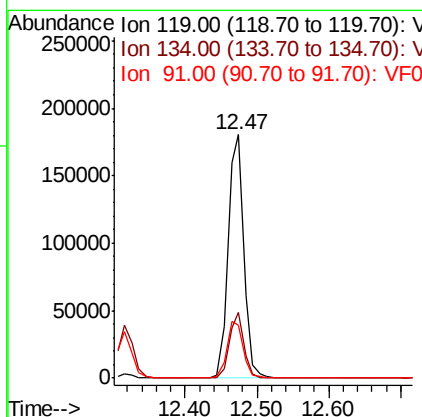
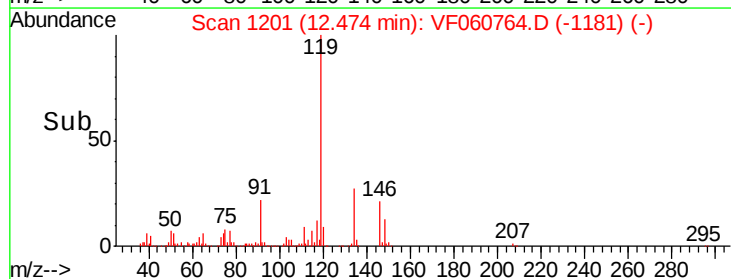
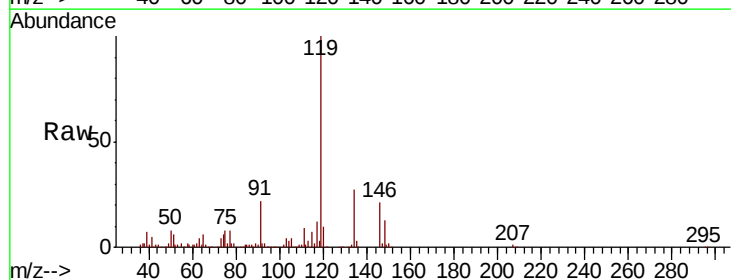
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1116SBS01

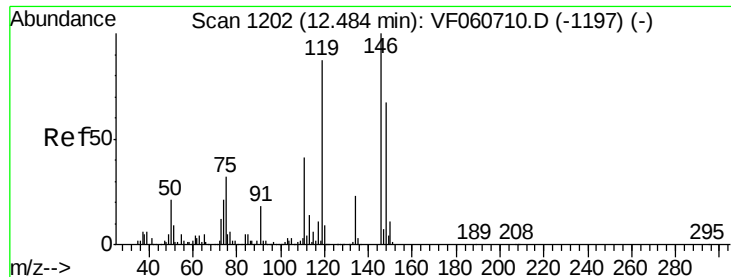
Tot Ion:105 Resp: 313242
 Ion Ratio Lower Upper
 105 100
 134 17.9 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 22.086 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF060764.D
 Acq: 16 Nov 2018 14:36

Tgt Ion:119 Resp: 271990
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.9 41.7
 91 22.0 11.3 33.9





#87

1,3-Dichlorobenzene

Concen: 22.027 ug/l

RT: 12.48 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBSD01

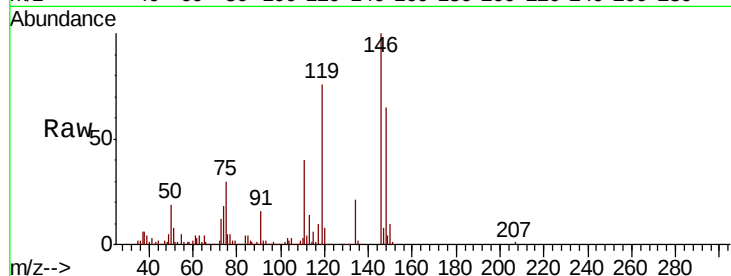
Tot Ion:146 Resp: 117662

Ion Ratio Lower Upper

146 100

111 40.4 20.3 60.8

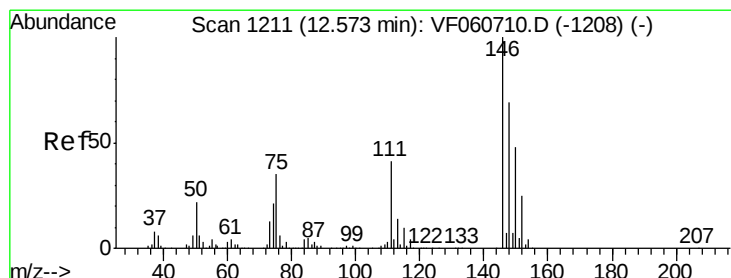
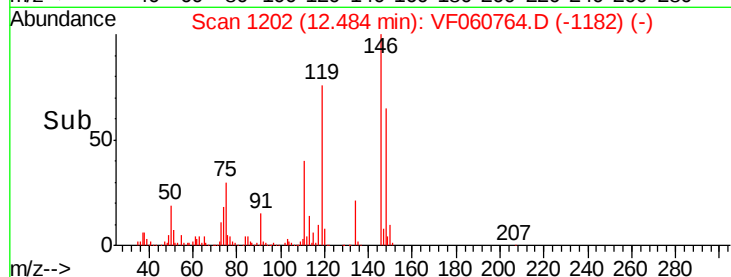
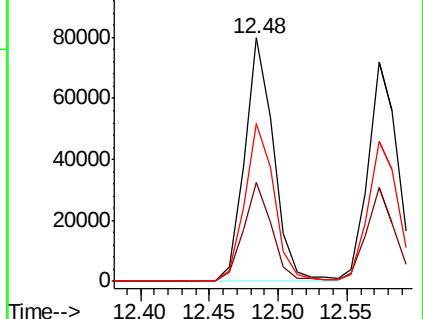
148 65.0 33.3 99.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 21.483 ug/l

RT: 12.57 min Scan# 1211

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

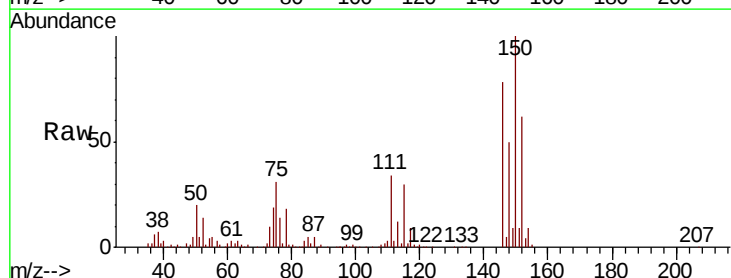
Tgt Ion:146 Resp: 110289

Ion Ratio Lower Upper

146 100

111 43.0 20.6 61.9

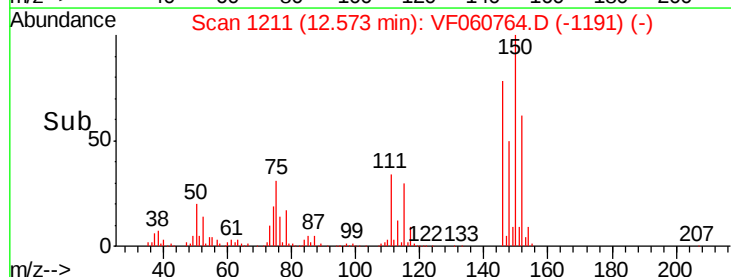
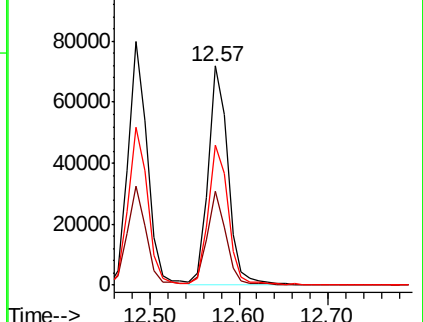
148 63.7 34.7 104.1

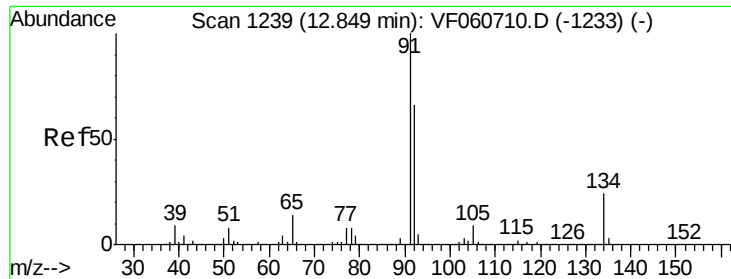


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

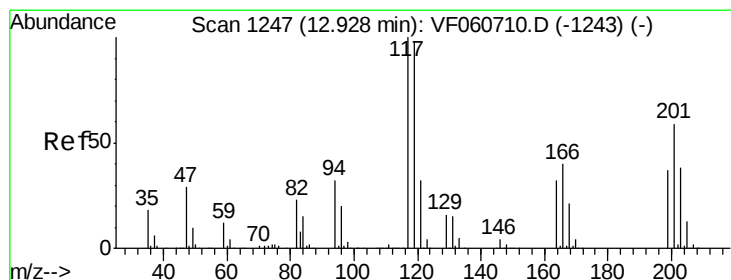
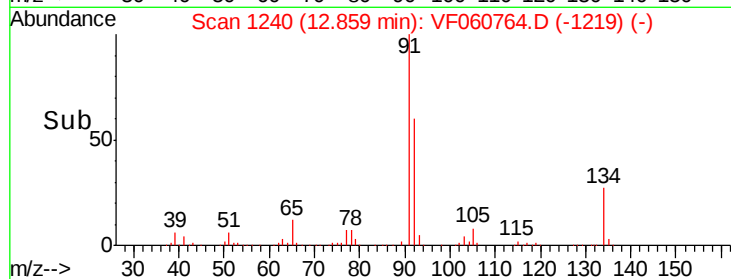
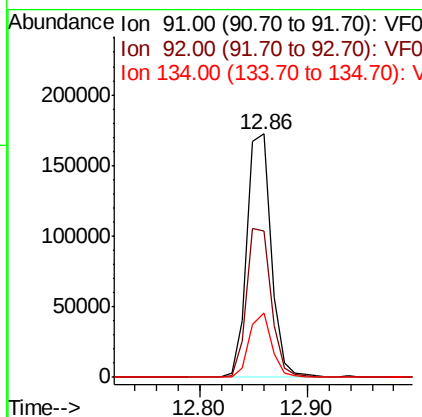
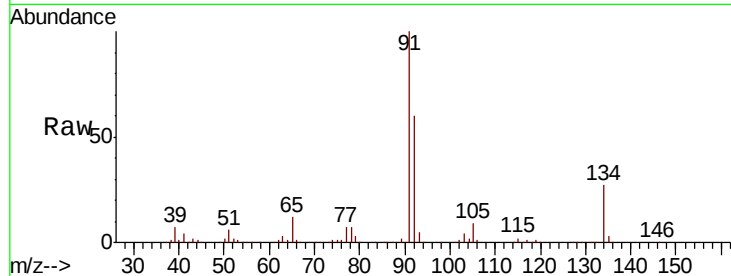




#89
n-Butylbenzene
Concen: 21.381 ug/l
RT: 12.86 min Scan# 1240
Delta R.T. 0.01 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

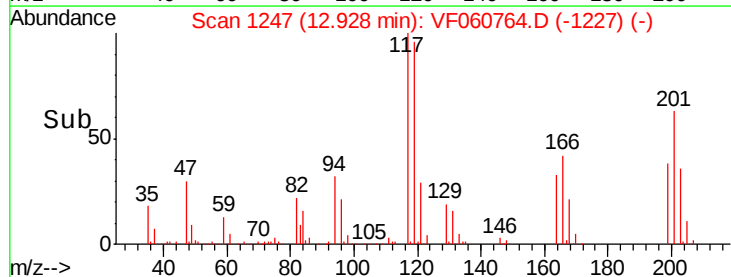
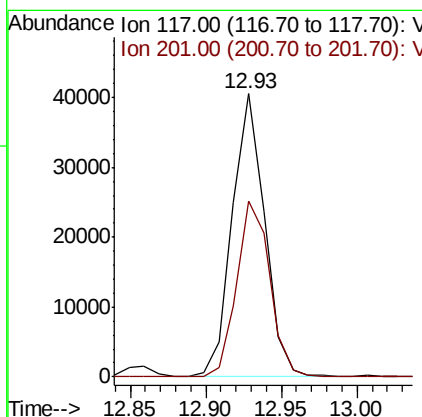
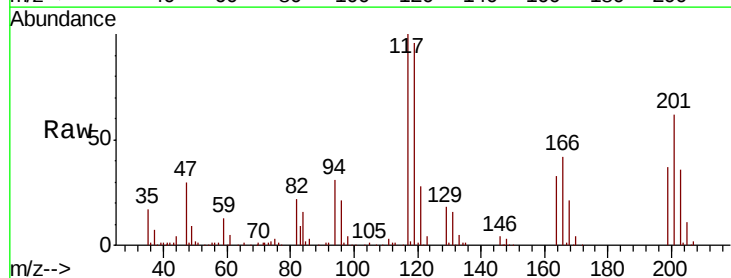
Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

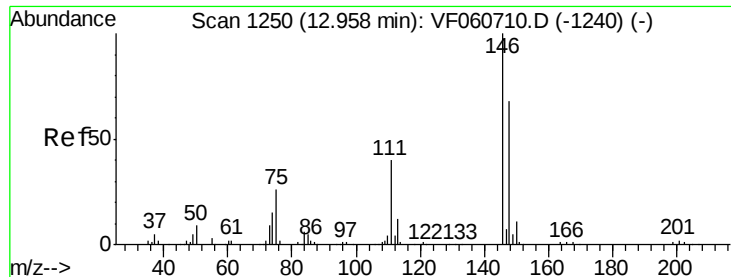
Tot Ion: 91 Resp: 268720
Ion Ratio Lower Upper
91 100
92 60.1 33.1 99.2
134 26.6 11.9 35.9



#90
Hexachloroethane
Concen: 20.047 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. -0.00 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

Tgt Ion: 117 Resp: 60386
Ion Ratio Lower Upper
117 100
201 62.0 29.4 88.3





#91

1,2-Dichlorobenzene

Concen: 22.406 ug/l

RT: 12.96 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

Instrument :

MSVOA_F

ClientSampleId :

VF1116SBS01

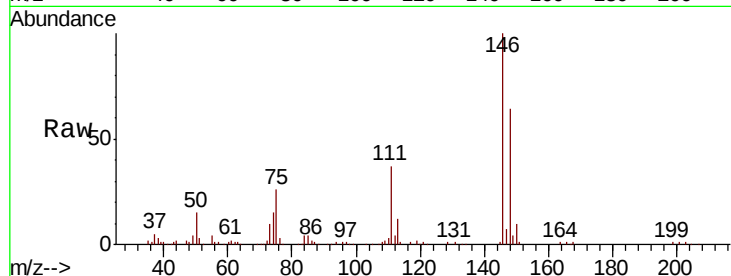
Tot Ion:146 Resp: 112694

Ion Ratio Lower Upper

146 100

111 36.6 20.3 60.8

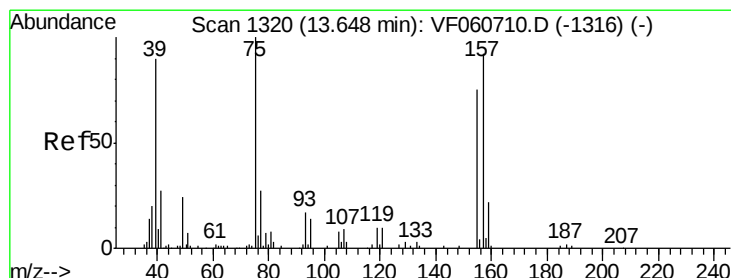
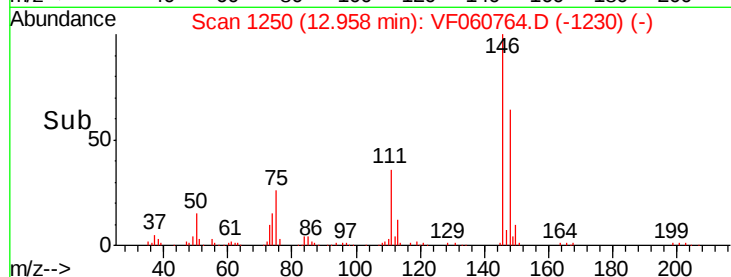
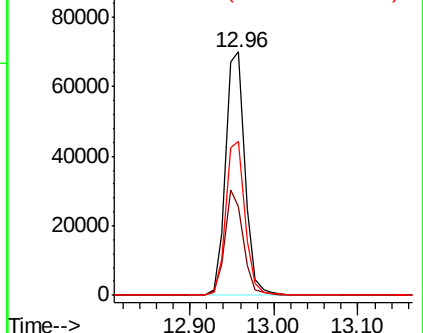
148 63.5 34.1 102.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.491 ug/l

RT: 13.65 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VF060764.D

Acq: 16 Nov 2018 14:36

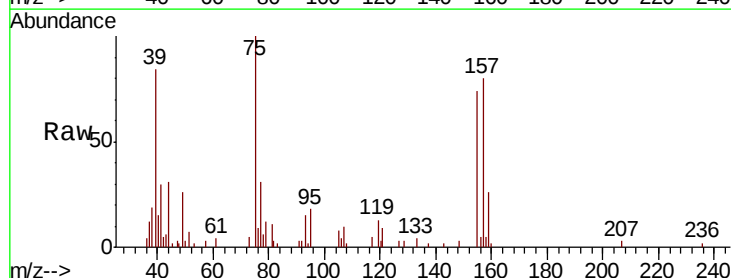
Tgt Ion: 75 Resp: 8211

Ion Ratio Lower Upper

75 100

155 74.3 37.4 112.2

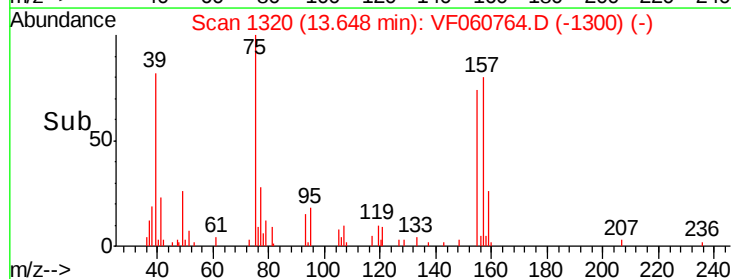
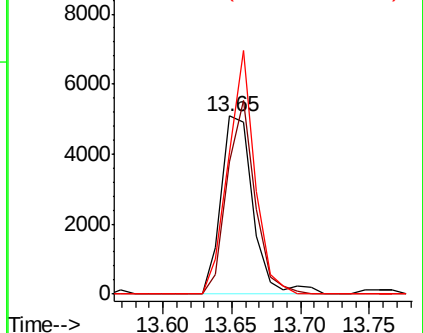
157 79.5 46.0 138.0

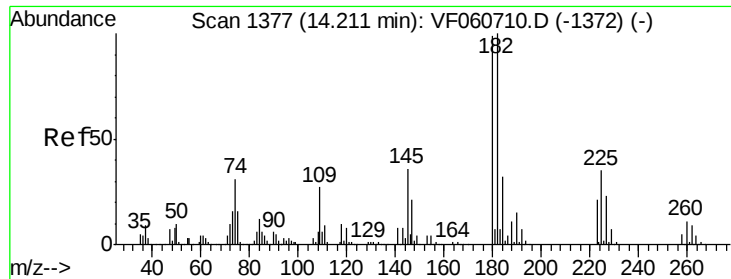


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

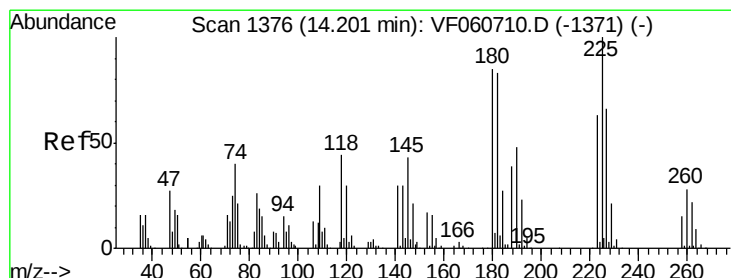
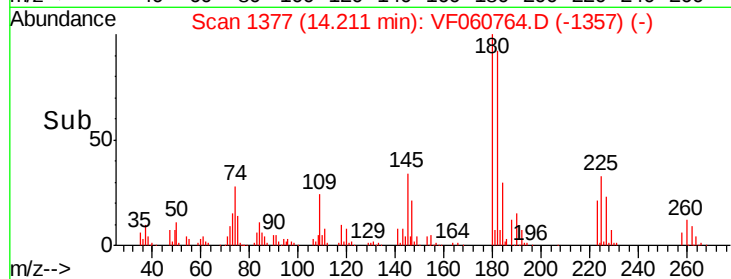
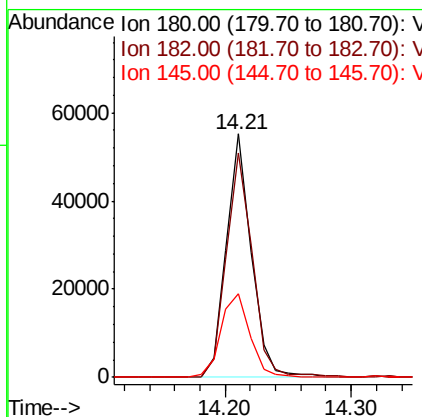
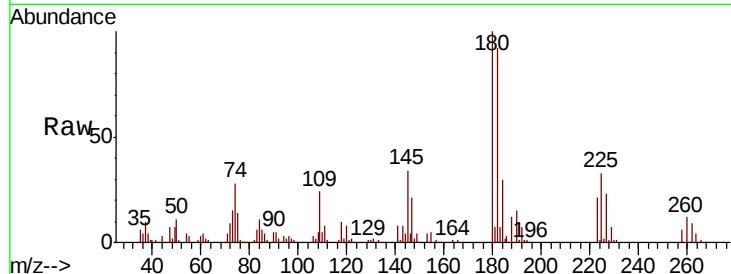




#93
 1,2,4-Trichlorobenzene
 Concen: 20.975 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VF060764.D
 Acq: 16 Nov 2018 14:36

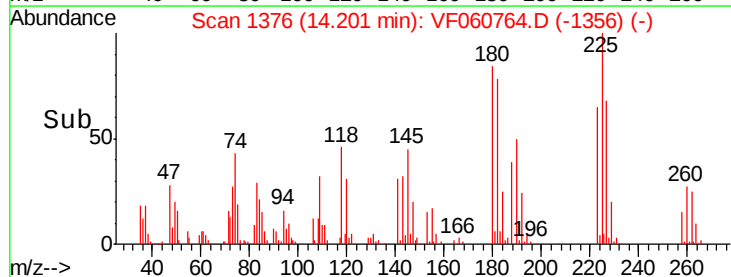
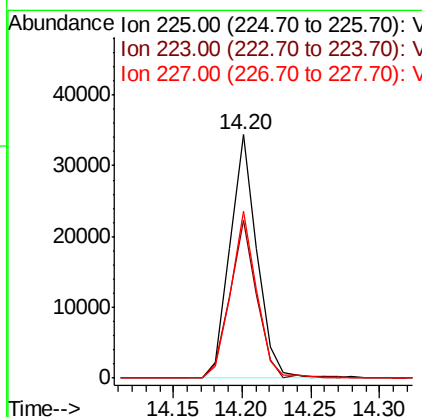
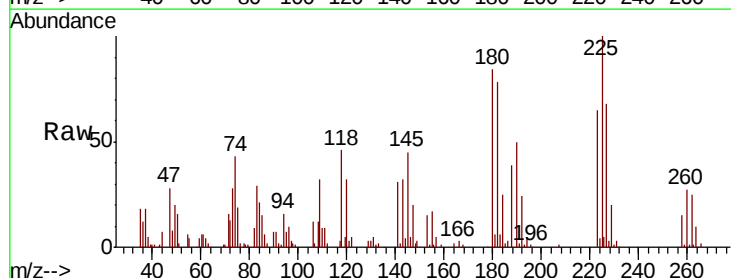
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1116SBS01

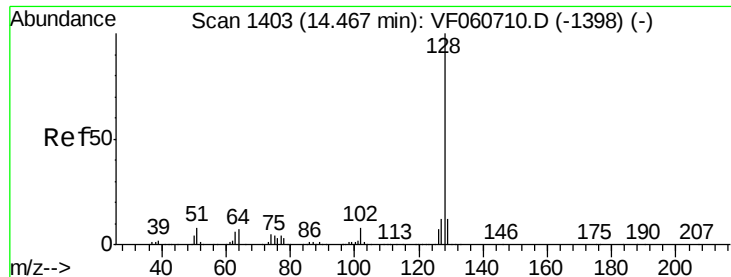
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.4	50.3	151.0
145	34.1	18.3	54.9



#94
 Hexachlorobutadiene
 Concen: 19.818 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VF060764.D
 Acq: 16 Nov 2018 14:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.0	31.5	94.5
227	68.3	33.0	99.0

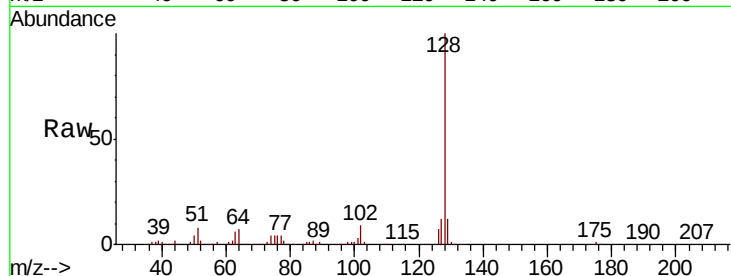




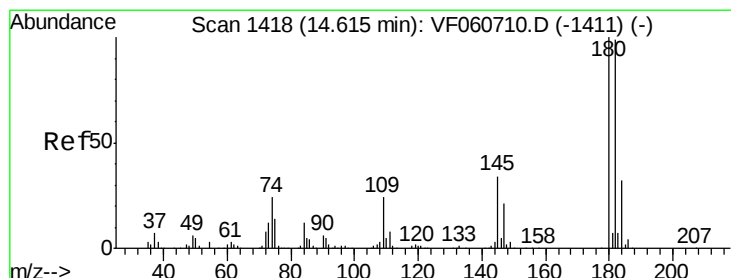
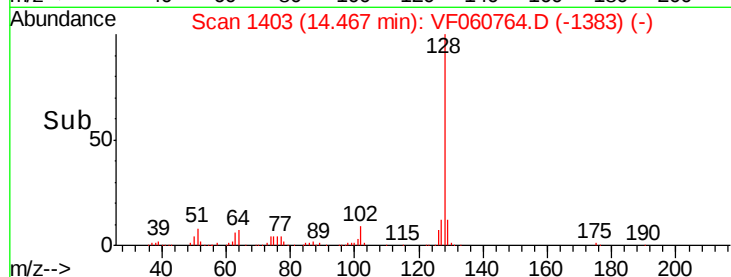
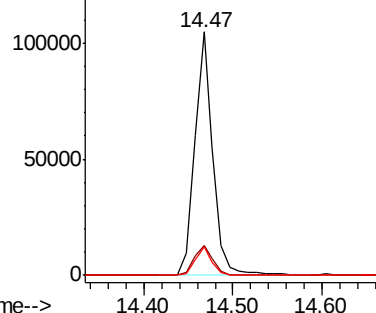
#95
Naphthalene
Concen: 22.805 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. -0.00 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

Instrument :
MSVOA_F
ClientSampleId :
VF1116SBS01

Tot Ion:128 Resp: 150424
Ion Ratio Lower Upper
128 100
127 12.5 9.8 14.6
129 11.6 9.3 13.9

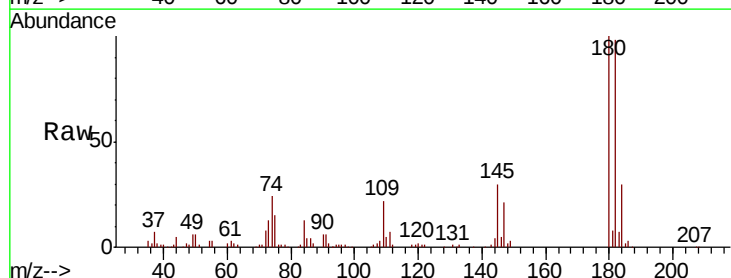


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 22.666 ug/l
RT: 14.61 min Scan# 1418
Delta R.T. -0.00 min
Lab File: VF060764.D
Acq: 16 Nov 2018 14:36

Tgt Ion:180 Resp: 75714
Ion Ratio Lower Upper
180 100
182 97.9 49.6 149.0
145 30.5 16.9 50.7



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

