

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111518\
 Data File : VF060755.D
 Acq On : 15 Nov 2018 19:14
 Operator : VA/AP
 Sample : J5911-01
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Nov 16 04:38:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	132828	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	162221	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.84	117	90774	50.00	ug/l	0.05
72) 1,4-Dichlorobenzene-d4	12.60	152	32184	50.00	ug/l	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	52457	34.62	ug/l	0.00
Spiked Amount			Recovery	=	69.24%	
35) Dibromofluoromethane	4.12	113	74670	61.23	ug/l	0.00
Spiked Amount			Recovery	=	122.46%	
50) Toluene-d8	7.59	98	49665	13.16	ug/l	0.01
Spiked Amount			Recovery	=	26.32%	
62) 4-Bromofluorobenzene	11.40	95	1062260	796.54	ug/l	-0.01
Spiked Amount			Recovery	=	1593.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.58	59	255	3.698	ug/l #	1
13) Acrolein	2.04	56	97999	1554.408	ug/l #	1
14) Allyl chloride	2.04	41	844599	444.891	ug/l #	44
15) Acrylonitrile	2.99	53	150194	1022.240	ug/l #	42
16) Acetone	2.22	43	207545	640.901	ug/l	96
18) Methyl Acetate	2.43	43	865415	1627.497	ug/l #	65
20) Methylene Chloride	2.23	84	13874	10.639	ug/l #	1
23) Vinyl Acetate	3.07	43	371949	215.506	ug/l #	81
26) 2,2-Dichloropropane	3.60	77	2946	1.687	ug/l #	60
28) Bromochloromethane	3.77	49	7802	6.766	ug/l #	12
29) Tetrahydrofuran	4.38	42	92557	421.269	ug/l #	36
30) Chloroform	3.76	83	20966	5.889	ug/l #	1
31) Cyclohexane	3.76	56	1411789	524.215	ug/l	90
37) Ethyl Acetate	4.02	43	186470	266.594	ug/l #	1
39) Methylcyclohexane	5.58	83	9473519	4340.330	ug/l	87
40) Benzene	4.53	78	4288	1.022	ug/l #	1
41) Methacrylonitrile	4.72	41	3098213	9090.890	ug/l #	53
42) 1,2-Dichloroethane	4.94	62	6944	4.791	ug/l #	1
43) Isopropyl Acetate	6.77	43	10965111	11823.677	ug/l #	48
45) 1,2-Dichloropropane	6.30	63	13918	12.753	ug/l #	1
46) Dibromomethane	6.08	93	987	1.370	ug/l #	1
47) Bromodichloromethane	6.33	83	332557	180.778	ug/l #	58
49) 1,4-Dioxane	6.64	88	85	14.808	ug/l #	1
52) Toluene	7.62	92	4823	1.716	ug/l #	1
53) t-1,3-Dichloropropene	8.32	75	1512	1.026	ug/l #	1
54) cis-1,3-Dichloropropene	7.30	75	4062	2.122	ug/l #	1
55) 1,1,2-Trichloroethane	8.60	97	2148705	2675.906	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.59	63	32754	393.179	ug/l #	100
61) 1,2-Dibromoethane	9.02	107	39216	46.437	ug/l #	1
65) Chlorobenzene	9.92	112	385561	210.487	ug/l #	42
67) Ethyl Benzene	9.98	91	208851	60.488	ug/l #	64
68) m/p-Xylenes	10.22	106	174563	141.471	ug/l #	1
69) o-Xylene	10.79	106	19010	13.703	ug/l #	1
70) Styrene	10.76	104	10485	5.569	ug/l #	1

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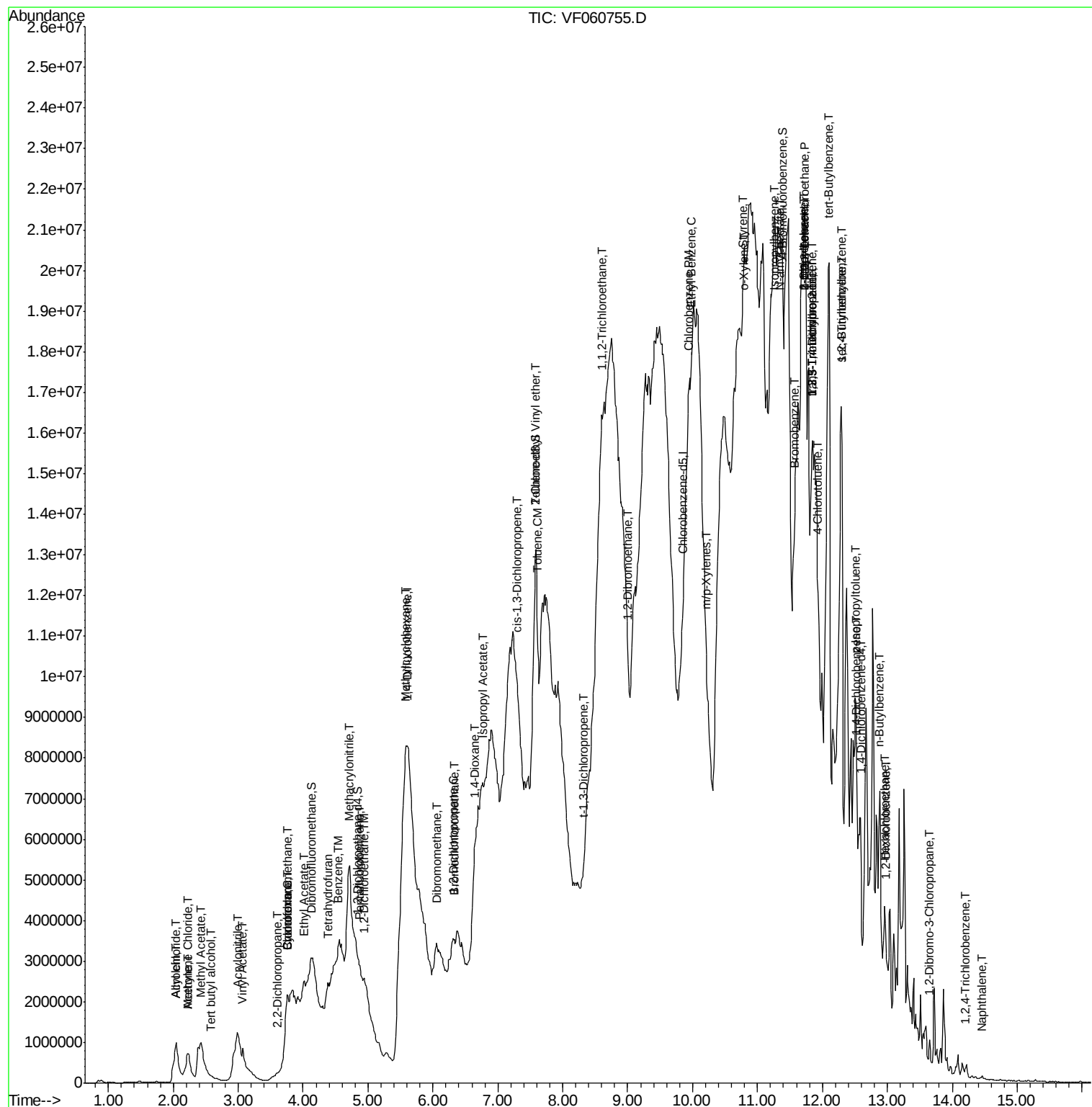
73) Isopropylbenzene	11.26	105	4264998	1646.342	ug/l	96
74) N-amyl acetate	11.34	43	16542333	28049.909	ug/l #	58
75) 1,1,2,2-Tetrachloroethane	11.73	83	2563898	5986.205	ug/l #	34
76) 1,2,3-Trichloropropane	11.85	75	25730	80.889	ug/l #	1
77) Bromobenzene	11.56	156	13996	25.955	ug/l #	1
78) n-propylbenzene	11.71	91	7979295	2640.968	ug/l	86
79) 2-Chlorotoluene	11.71	91	8066825	4593.766	ug/l #	44
80) 1,3,5-Trimethylbenzene	11.85	105	2161922	1051.159	ug/l	67
81) trans-1,4-Dichloro-2-buten	11.85	75	26394	168.896	ug/l #	1
82) 4-Chlorotoluene	11.94	91	111798	62.145	ug/l #	49
83) tert-Butylbenzene	12.11	119	64505	29.539	ug/l #	1
84) 1,2,4-Trimethylbenzene	12.29	105	1843627	866.738	ug/l	95
85) sec-Butylbenzene	12.29	105	1846602	623.370	ug/l #	56
86) p-Isopropyltoluene	12.52	119	2828848	1143.391	ug/l #	82
88) 1,4-Dichlorobenzene	12.54	146	3016	2.924	ug/l #	1
89) n-Butylbenzene	12.88	91	1970926	780.611	ug/l	96
90) Hexachloroethane	12.96	117	104702	173.022	ug/l #	21
91) 1,2-Dichlorobenzene	12.98	146	22859	22.623	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.65	75	2266	28.149	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.19	180	862	1.187	ug/l #	1
95) Naphthalene	14.46	128	43552	32.866	ug/l	98

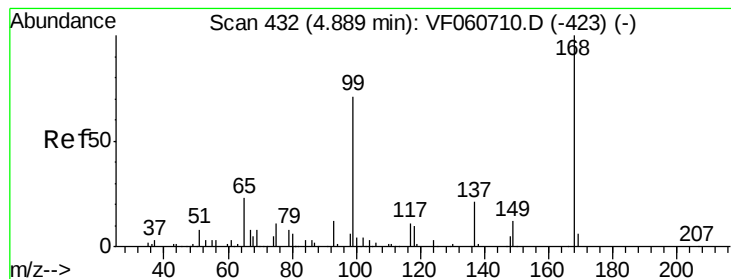
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.01 min

Lab File: VF060755.D

Acq: 15 Nov 2018 19:14

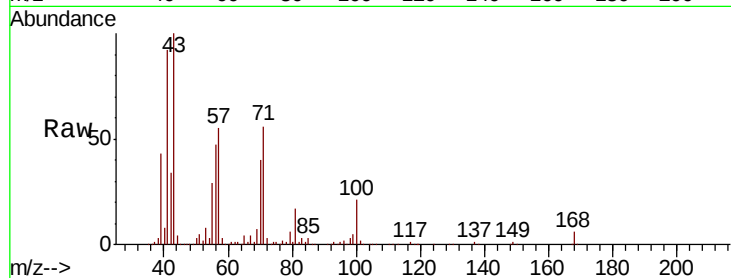
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 132828

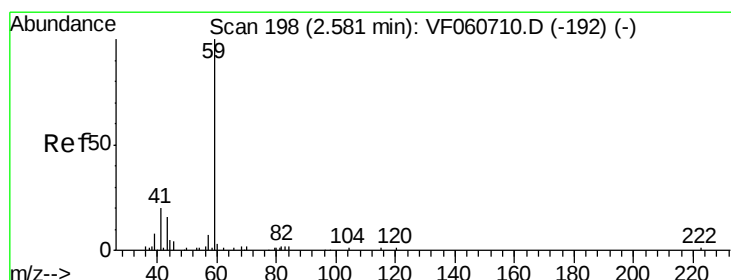
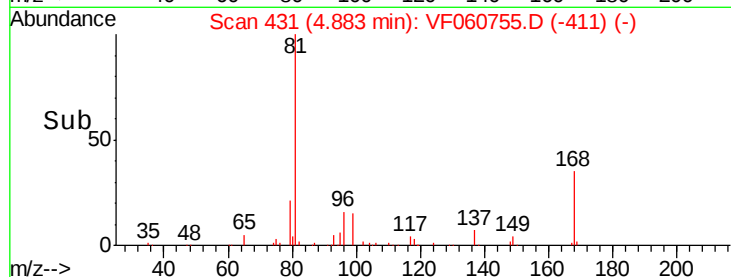
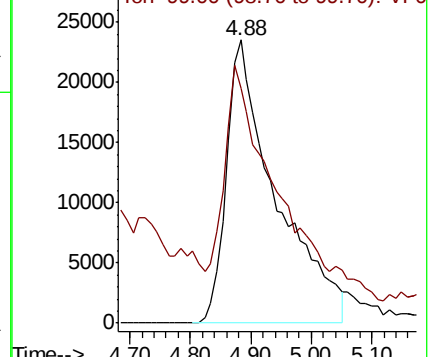
Ion Ratio Lower Upper

168 100

99 83.0 57.2 85.8



Abundance Ion 168.00 (167.70 to 168.70): VF0



#11

Tert butyl alcohol

Concen: 3.698 ug/l

RT: 2.58 min Scan# 198

Delta R.T. 0.00 min

Lab File: VF060755.D

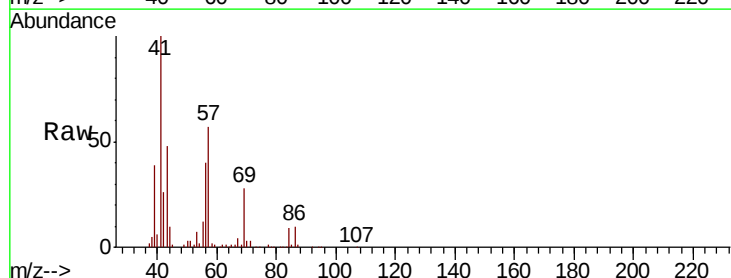
Acq: 15 Nov 2018 19:14

Tgt Ion: 59 Resp: 255

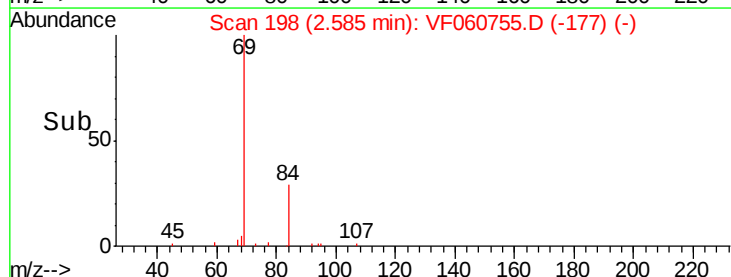
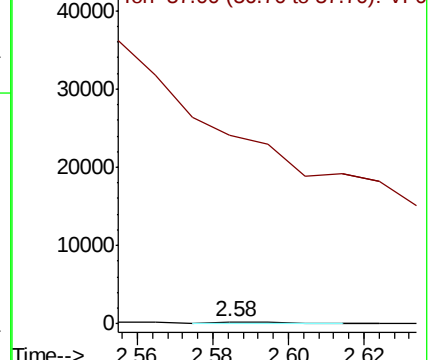
Ion Ratio Lower Upper

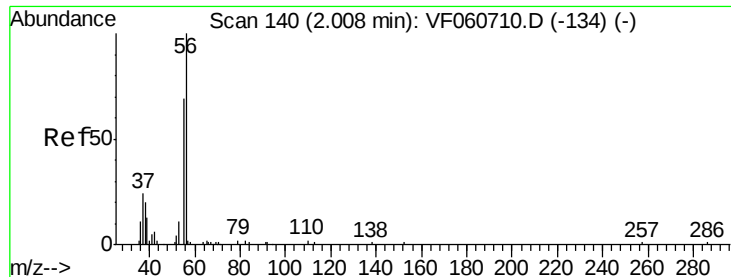
59 100

57 9801.6 10.5 15.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0





#13

Acrolein

Concen: 1554.408 ug/l

RT: 2.04 min Scan# 143

Delta R.T. 0.03 min

Lab File: VF060755.D

Acq: 15 Nov 2018 19:14

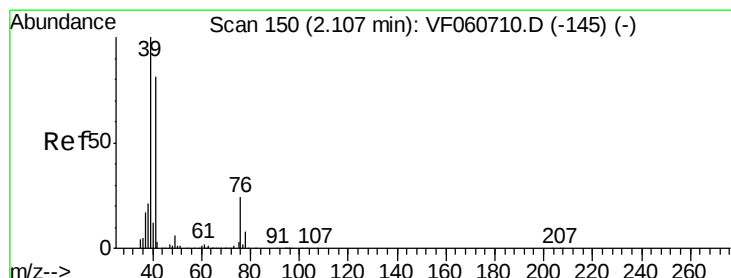
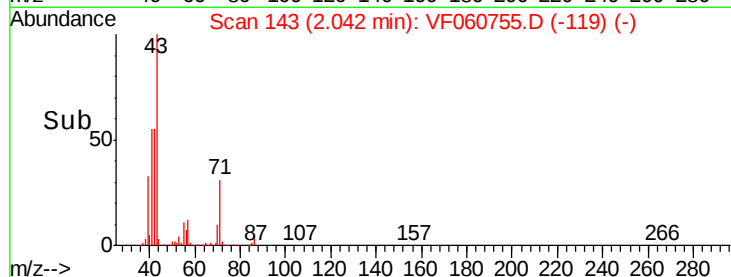
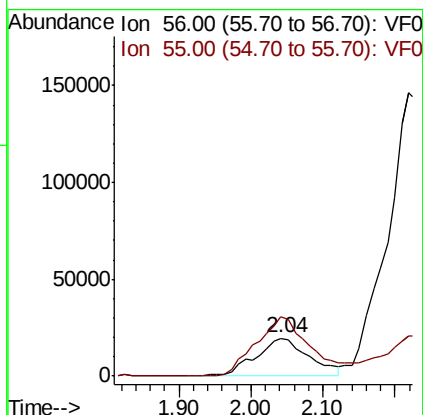
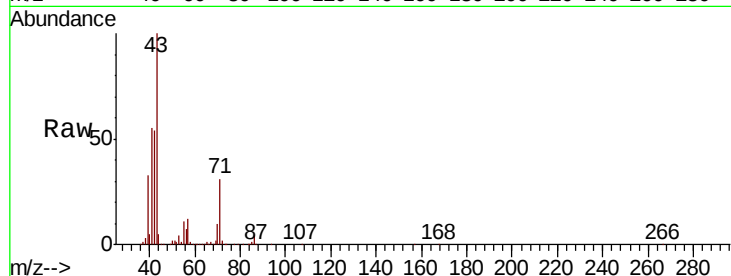
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 97999

Ion Ratio Lower Upper

56 100

55 154.9 56.6 85.0#



#14

Allyl chloride

Concen: 444.891 ug/l

RT: 2.04 min Scan# 143

Delta R.T. -0.07 min

Lab File: VF060755.D

Acq: 15 Nov 2018 19:14

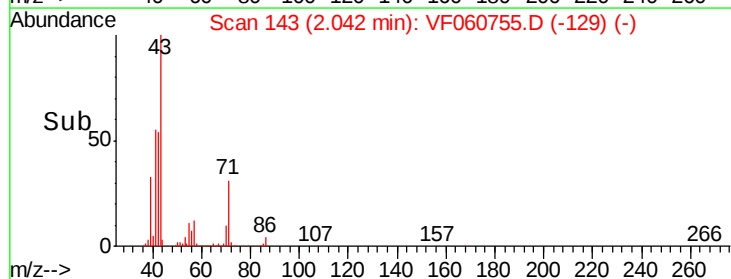
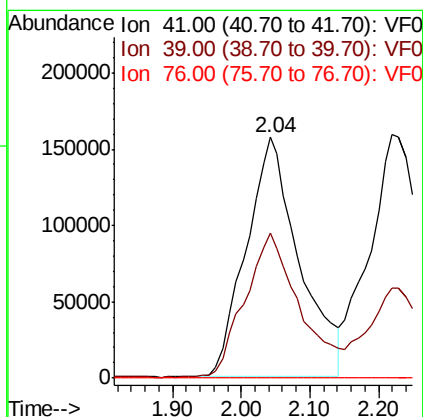
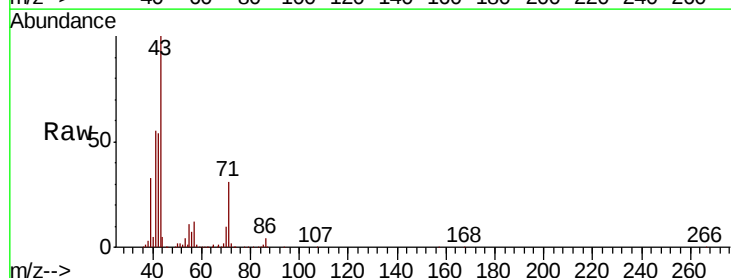
Tgt Ion: 41 Resp: 844599

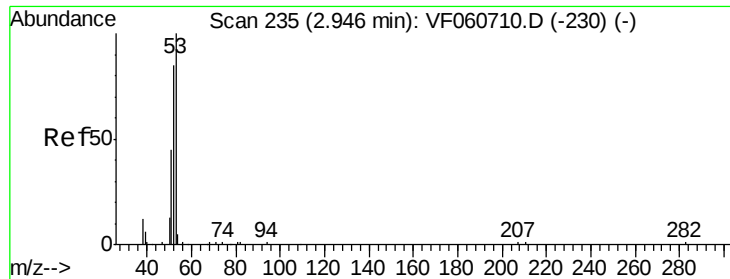
Ion Ratio Lower Upper

41 100

39 60.3 98.5 147.7#

76 0.0 24.5 36.7#





#15

Acrylonitrile

Concen: 1022.240 ug/l

RT: 2.99 min Scan# 239

Delta R.T. 0.04 min

Lab File: VF060755.D

Acq: 15 Nov 2018 19:14

Instrument :
MSVOA_F
ClientSampleId :

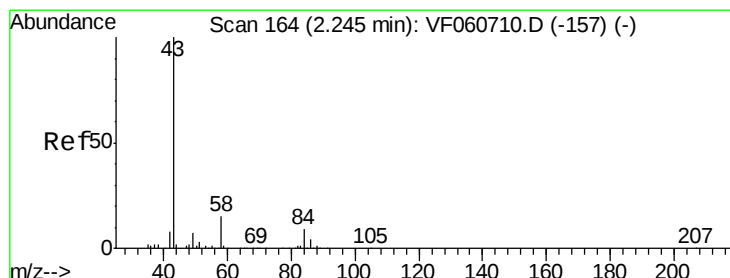
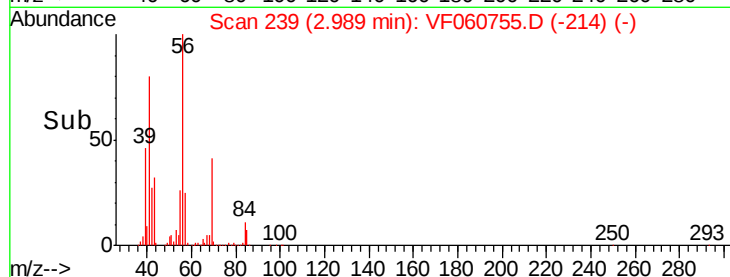
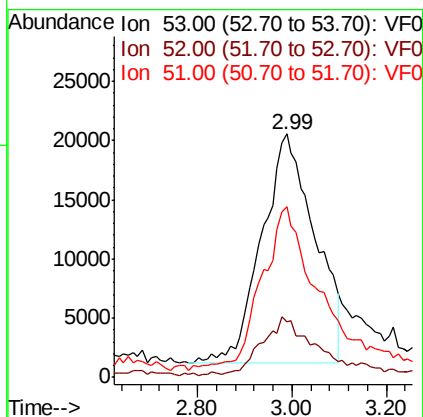
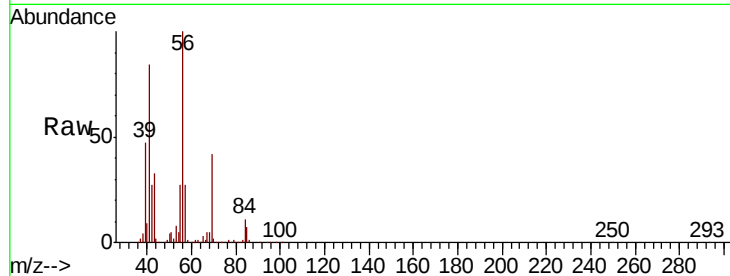
Tot Ion: 53 Resp: 150194

Ion Ratio Lower Upper

53 100

52 22.6 68.8 103.2#

51 70.1 36.7 55.1#



#16

Acetone

Concen: 640.901 ug/l

RT: 2.22 min Scan# 161

Delta R.T. -0.03 min

Lab File: VF060755.D

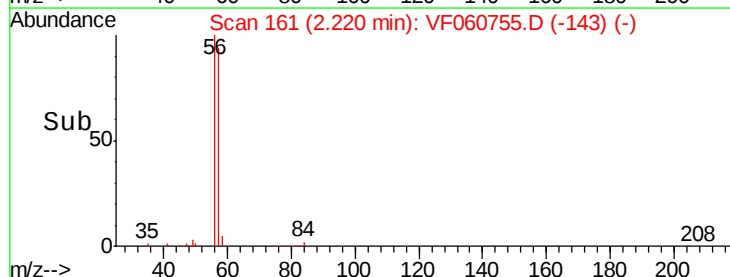
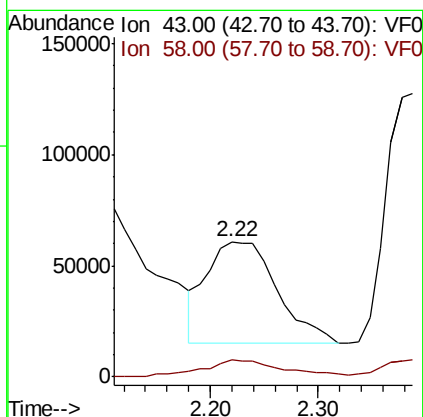
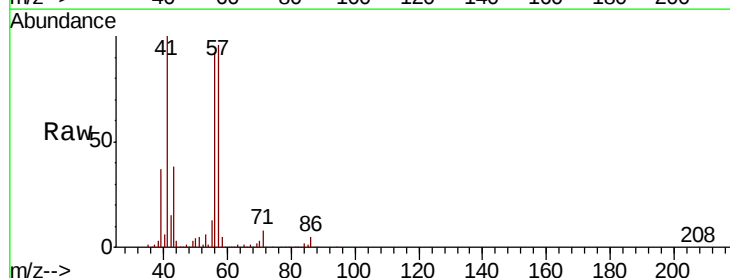
Acq: 15 Nov 2018 19:14

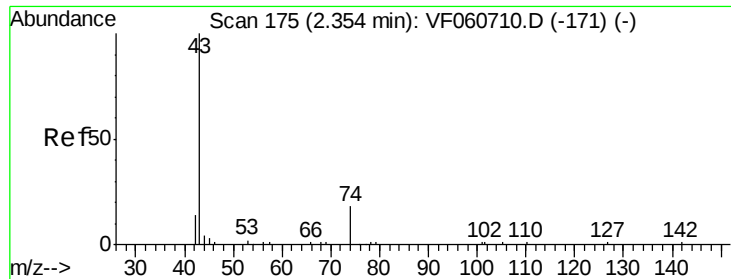
Tgt Ion: 43 Resp: 207545

Ion Ratio Lower Upper

43 100

58 12.9 11.6 17.4

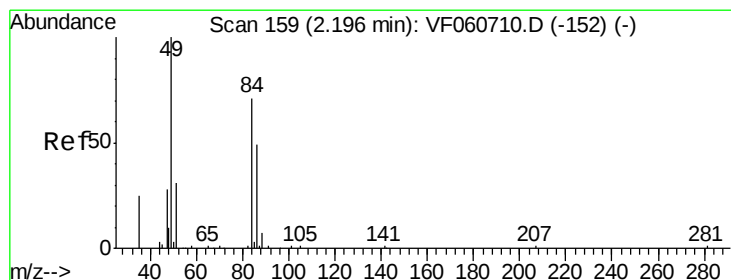
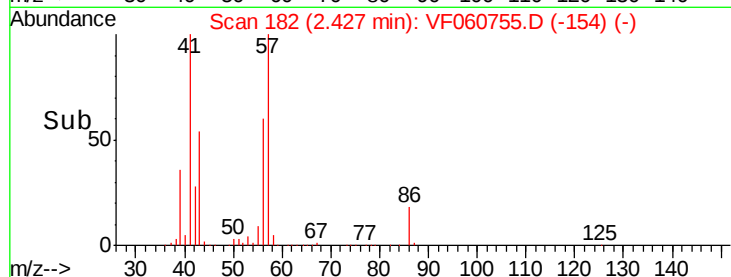
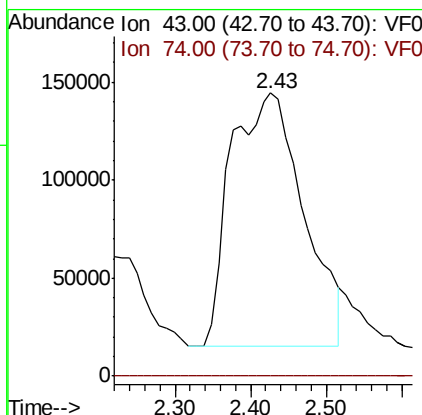
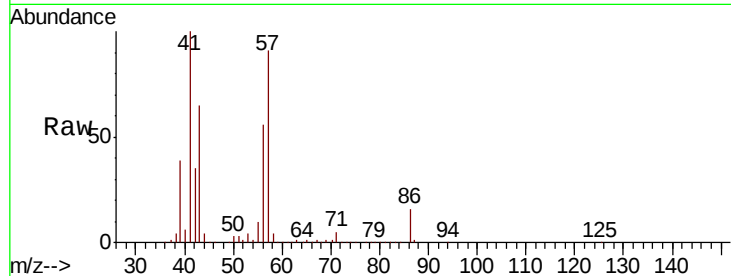




#18
Methyl Acetate
Concen: 1627.497 ug/l
RT: 2.43 min Scan# 182
Delta R.T. 0.07 min
Lab File: VF060755.D
Acq: 15 Nov 2018 19:14

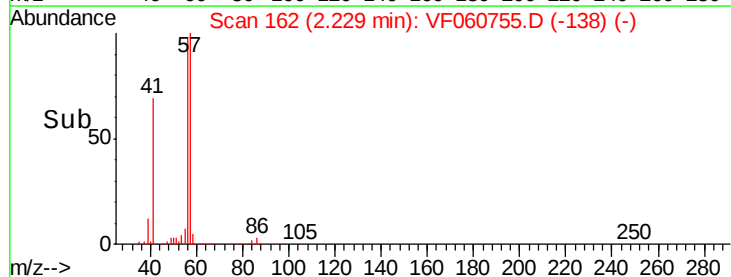
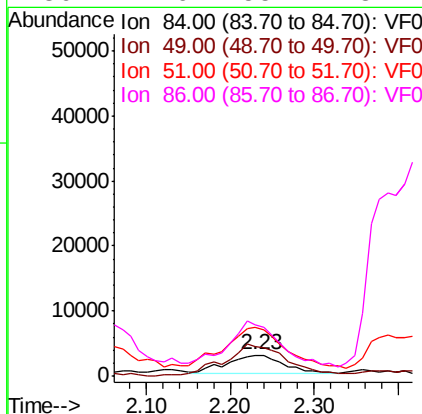
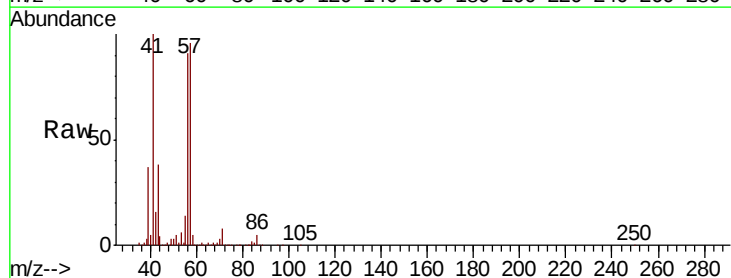
Instrument :
MSVOA_F
ClientSampled :

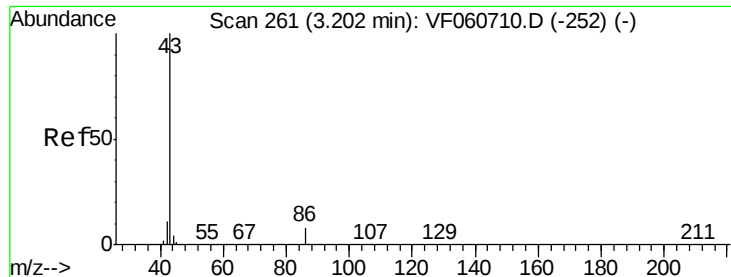
Tot Ion: 43 Resp: 865415
Ion Ratio Lower Upper
43 100
74 0.3 11.8 17.8#



#20
Methylene Chloride
Concen: 10.639 ug/l
RT: 2.23 min Scan# 162
Delta R.T. 0.03 min
Lab File: VF060755.D
Acq: 15 Nov 2018 19:14

Tgt Ion: 84 Resp: 13874
Ion Ratio Lower Upper
84 100
49 142.6 120.2 180.4
51 232.0 37.2 55.8#
86 247.6 55.1 82.7#





#23

Vinyl Acetate

Concen: 215.506 ug/l

RT: 3.07 min Scan# 247

Delta R.T. -0.13 min

Lab File: VF060755.D

Acq: 15 Nov 2018 19:14

Instrument :

MSVOA_F

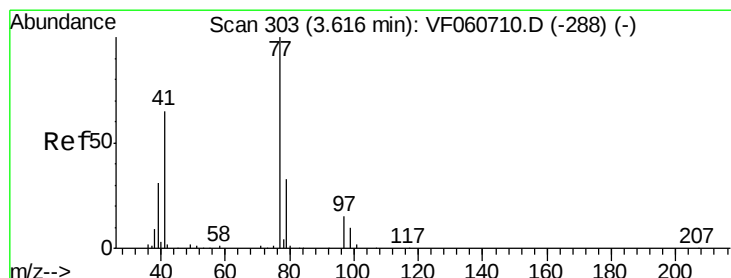
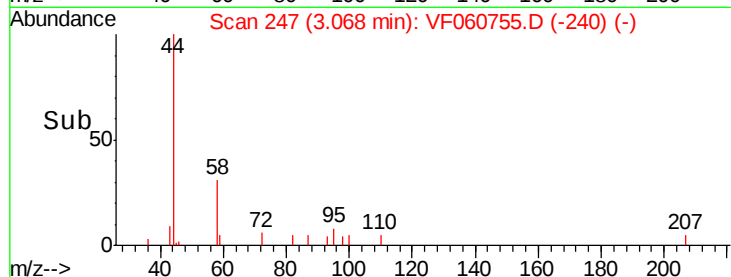
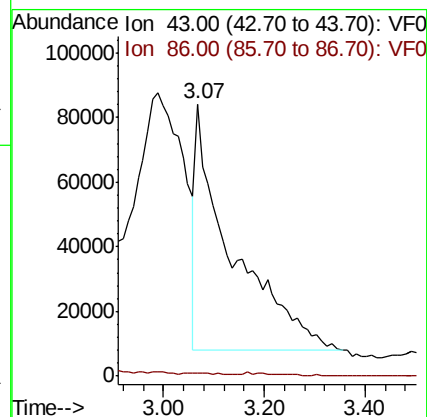
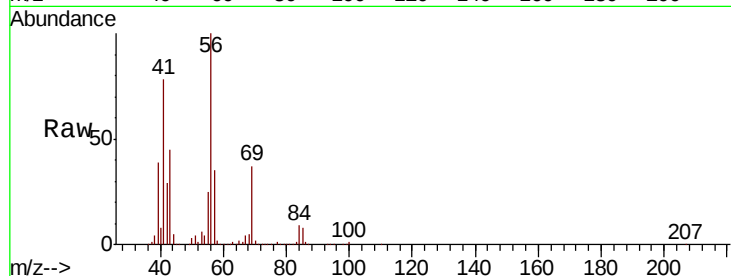
ClientSampleId :

Tot Ion: 43 Resp: 371949

Ion Ratio Lower Upper

43 100

86 1.2 6.4 9.6#



#26

2,2-Dichloropropane

Concen: 1.687 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.02 min

Lab File: VF060755.D

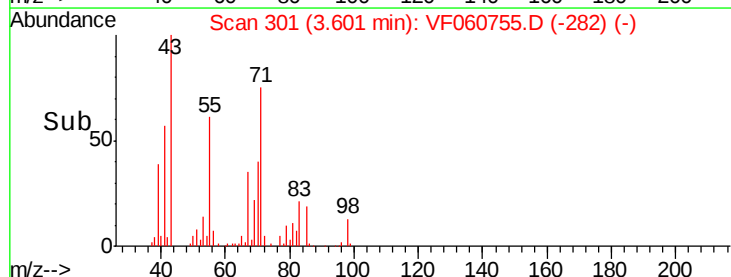
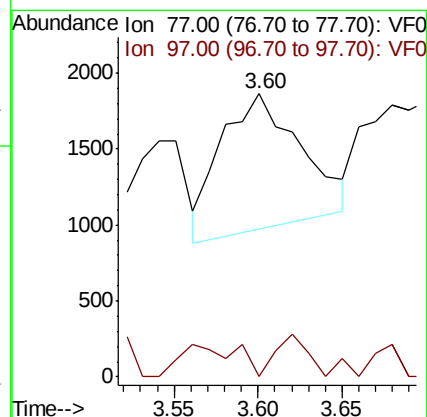
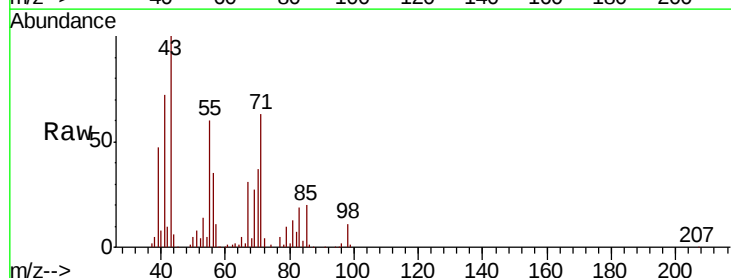
Acq: 15 Nov 2018 19:14

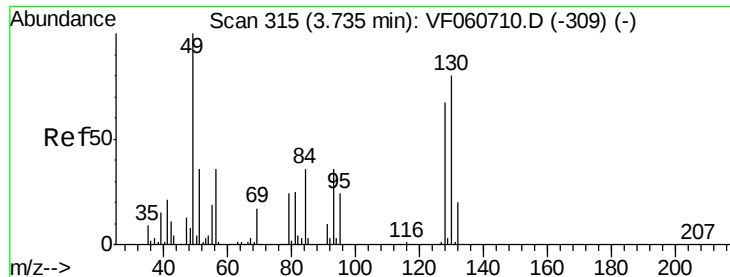
Tgt Ion: 77 Resp: 2946

Ion Ratio Lower Upper

77 100

97 0.0 8.8 26.5#





#28

Bromochloromethane

Concen: 6.766 ug/l

RT: 3.77 min Scan# 318

Delta R.T. 0.03 min

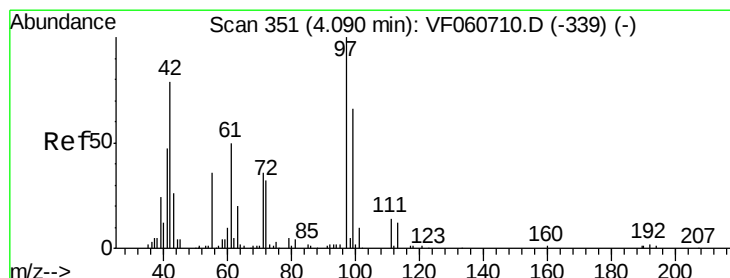
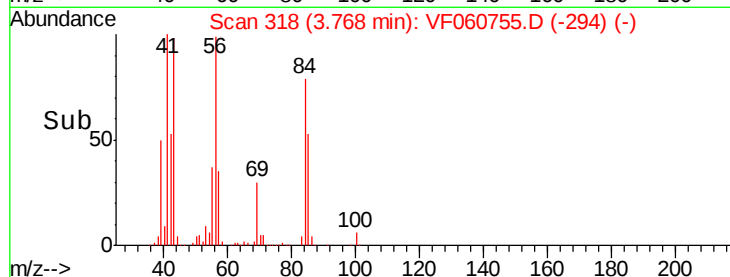
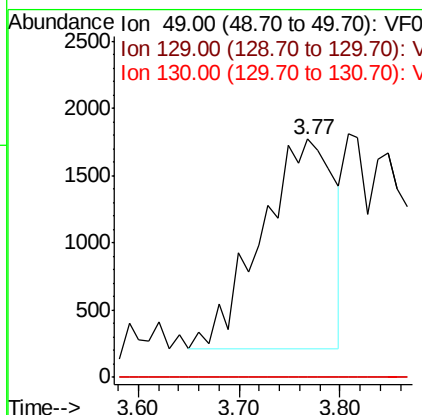
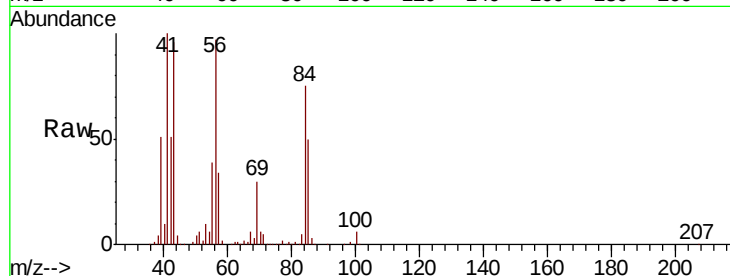
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MSVOA_F
ClientSampled :

Tot Ion: 49 Resp: 7802

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



#29

Tetrahydrofuran

Concen: 421.269 ug/l

RT: 4.38 min Scan# 380

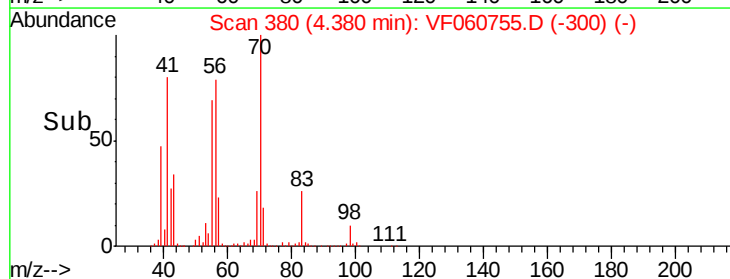
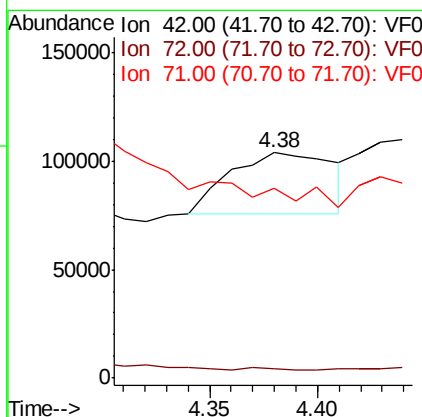
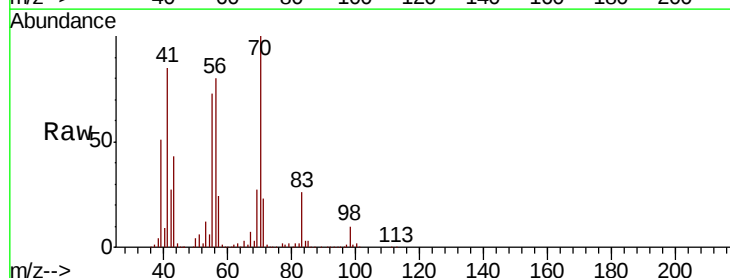
Delta R.T. 0.29 min

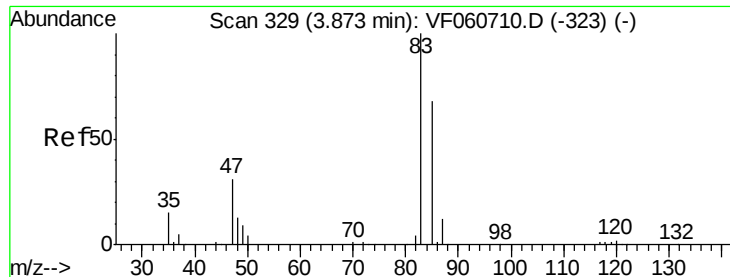
Lab File: VF060755.D

Acq: 15 Nov 2018 19:14

Tgt Ion: 42 Resp: 92557

Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.3	45.5#
71	0.0	32.2	48.2#

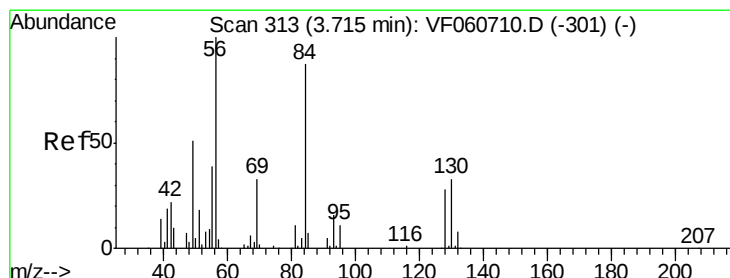
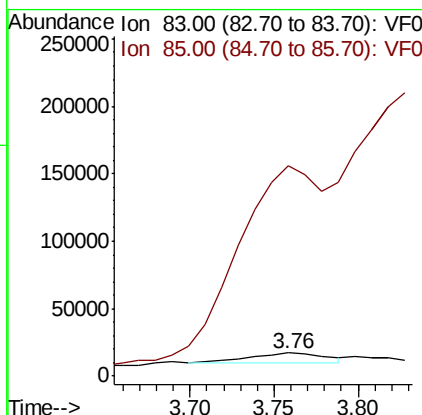
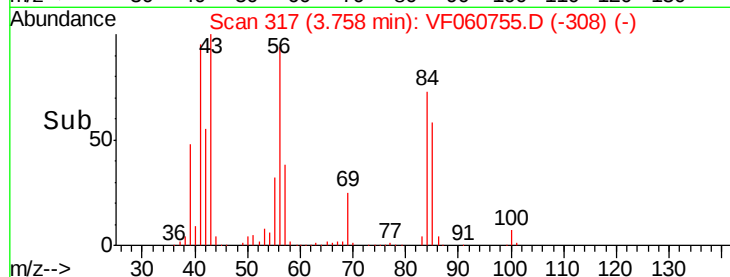
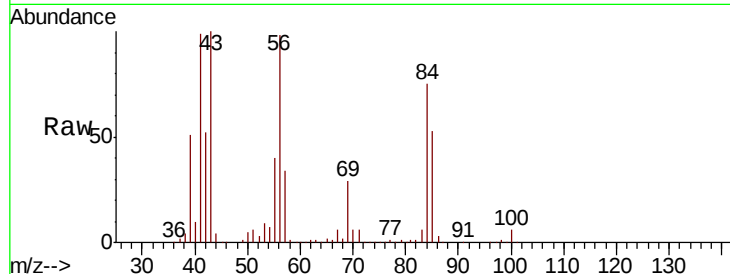




#30
Chloroform
Concen: 5.889 ug/l
RT: 3.76 min Scan# 317
Delta R.T. -0.11 min
Lab File: VF060755.D
Acq: 15 Nov 2018 19:14

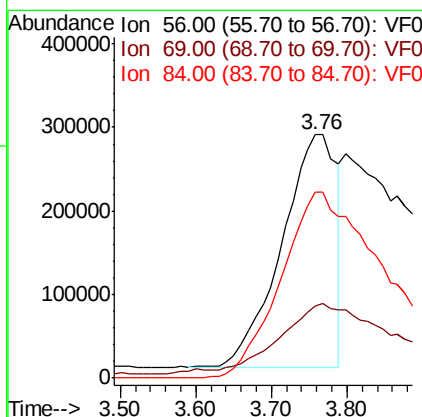
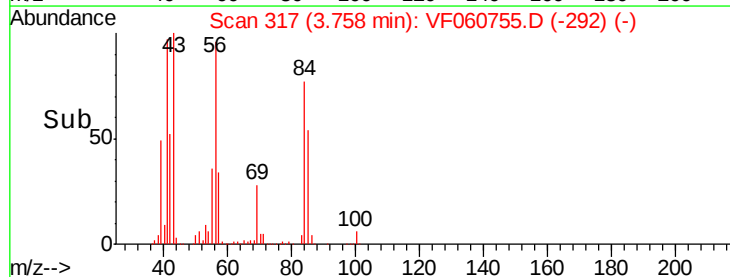
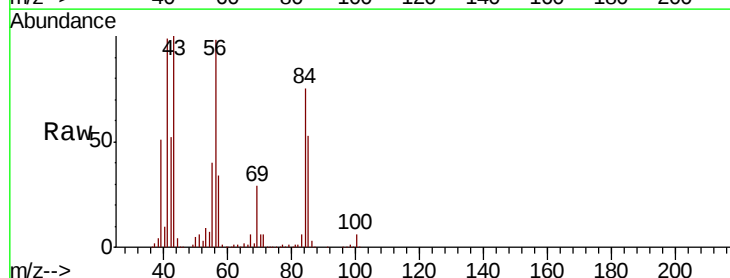
Instrument :
MSVOA_F
ClientSampleId :

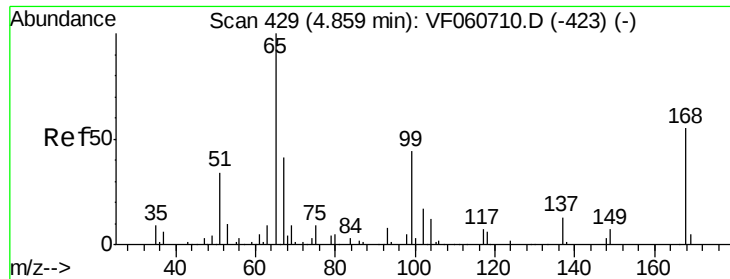
Tot Ion: 83 Resp: 20966
Ion Ratio Lower Upper
83 100
85 908.2 54.6 82.0#



#31
Cyclohexane
Concen: 524.215 ug/l
RT: 3.76 min Scan# 317
Delta R.T. 0.04 min
Lab File: VF060755.D
Acq: 15 Nov 2018 19:14

Tgt Ion: 56 Resp: 1411789
Ion Ratio Lower Upper
56 100
69 29.5 26.0 39.0
84 76.2 69.4 104.2





#33

1,2-Dichloroethane-d4

Concen: 34.624 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.01 min

Lab File: VF060755.D

Acq: 15 Nov 2018 19:14

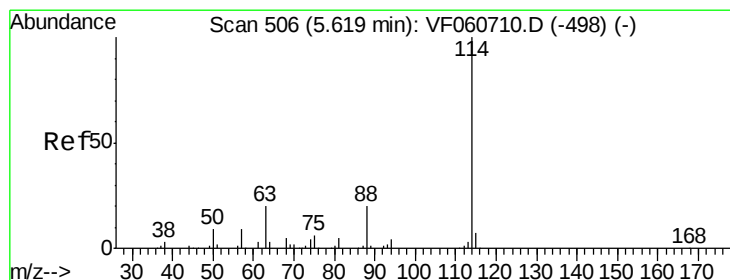
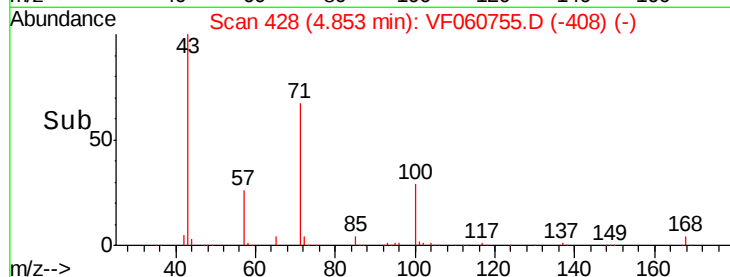
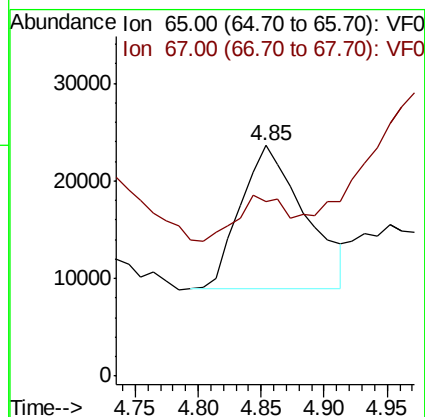
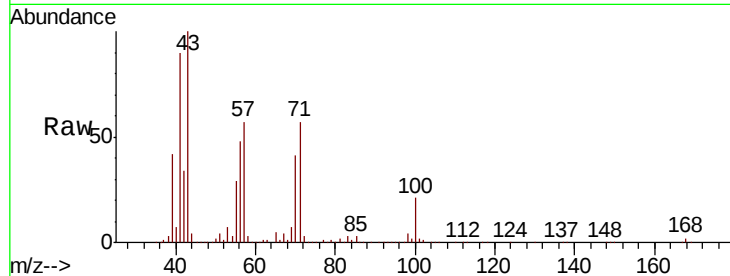
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 52457

Ion Ratio Lower Upper

65 100

67 75.9 0.0 90.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. -0.01 min

Lab File: VF060755.D

Acq: 15 Nov 2018 19:14

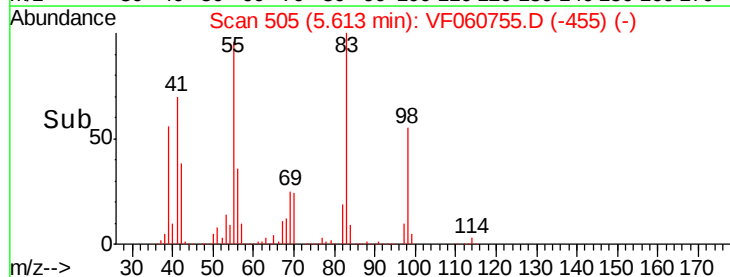
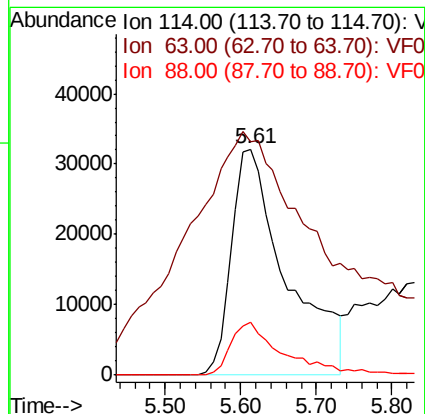
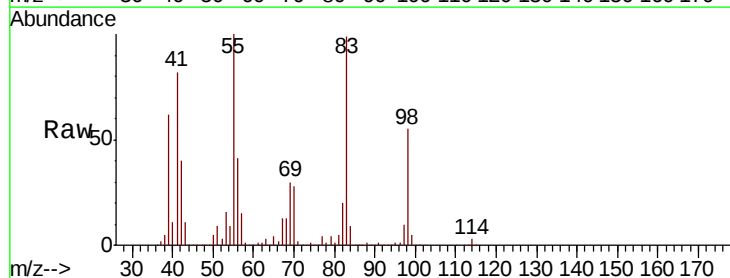
Tgt Ion: 114 Resp: 162221

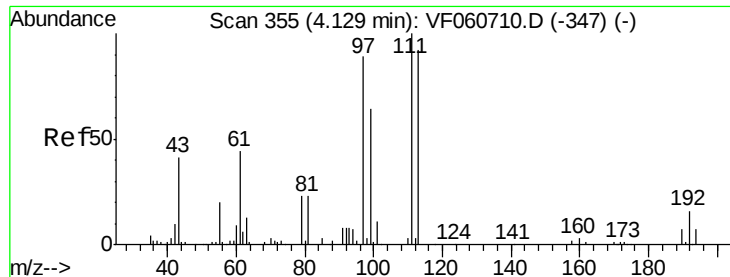
Ion Ratio Lower Upper

114 100

63 103.2 0.0 40.8#

88 23.3 0.0 39.6

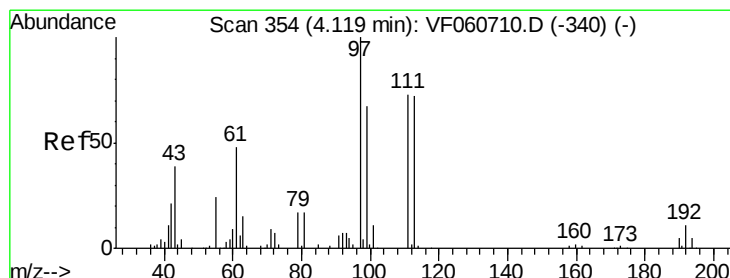
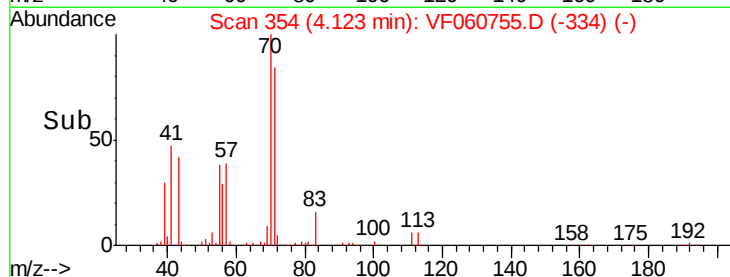
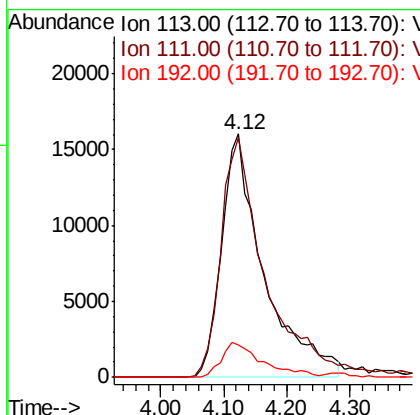
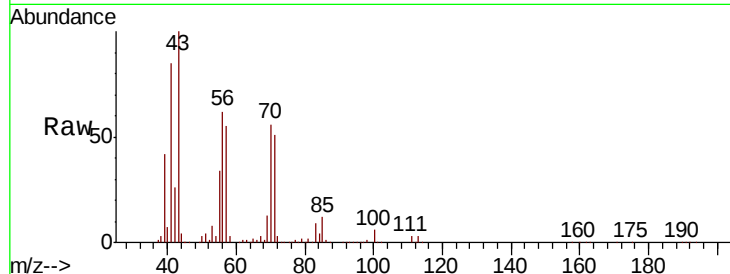




#35
Dibromofluoromethane
Concen: 61.235 ug/l
RT: 4.12 min Scan# 354
Delta R.T. -0.01 min
Lab File: VF060755.D
Acq: 15 Nov 2018 19:14

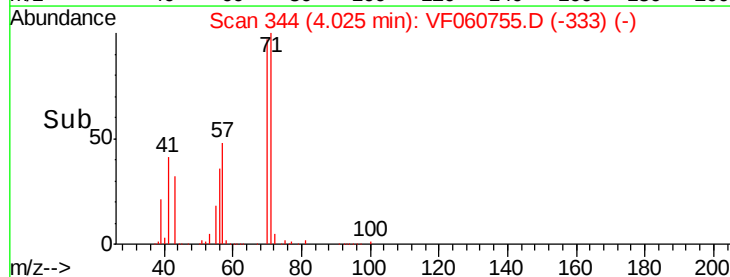
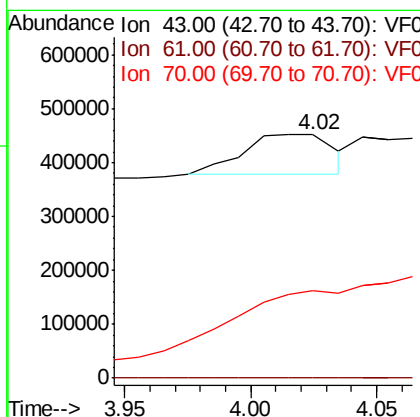
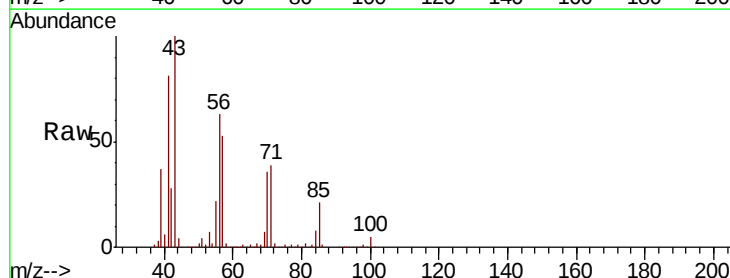
Instrument :
MSVOA_F
ClientSampled :

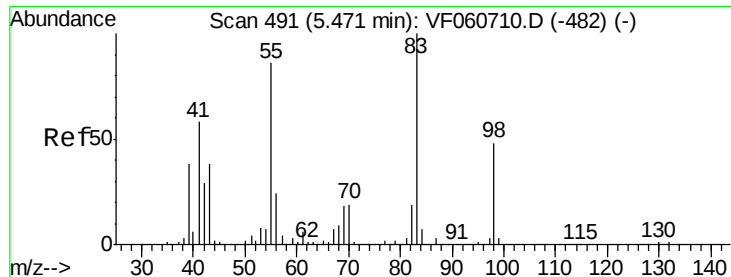
Tot Ion:113 Resp: 74670
Ion Ratio Lower Upper
113 100
111 98.4 87.1 130.7
192 13.1 13.8 20.6#



#37
Ethyl Acetate
Concen: 266.594 ug/l
RT: 4.02 min Scan# 344
Delta R.T. -0.09 min
Lab File: VF060755.D
Acq: 15 Nov 2018 19:14

Tgt Ion: 43 Resp: 186470
Ion Ratio Lower Upper
43 100
61 0.2 98.5 147.7#
70 35.9 7.4 11.0#

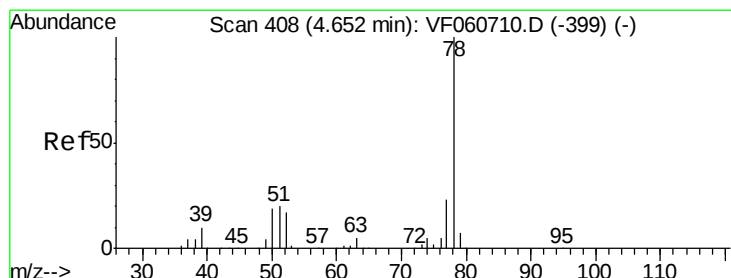
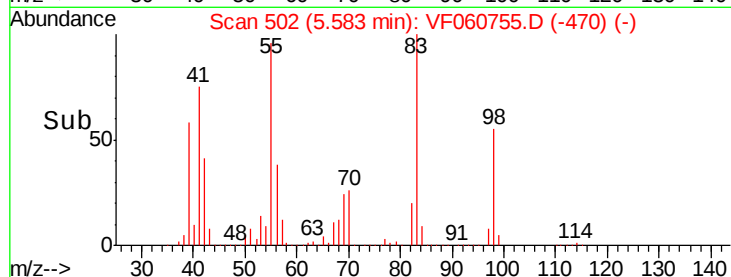
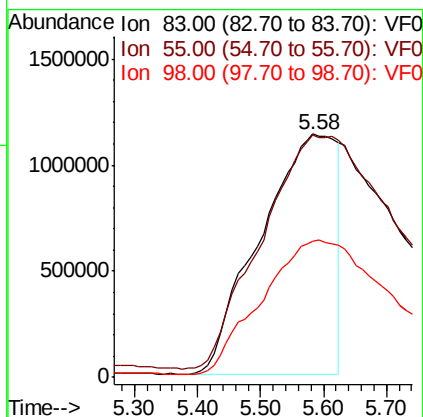
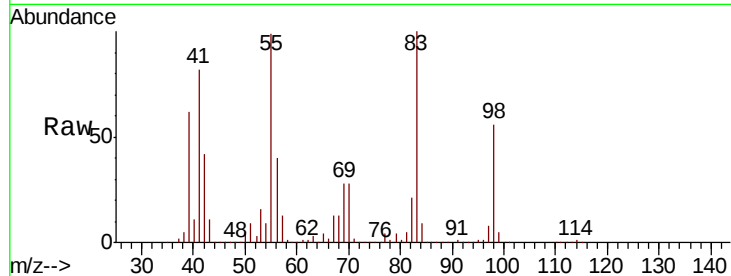




#39
Methvlcvclohexane
Concen: 4340.330 ug/l
RT: 5.58 min Scan# 502
Delta R.T. 0.11 min
Lab File: VF060755.D
Acq: 15 Nov 2018 19:14

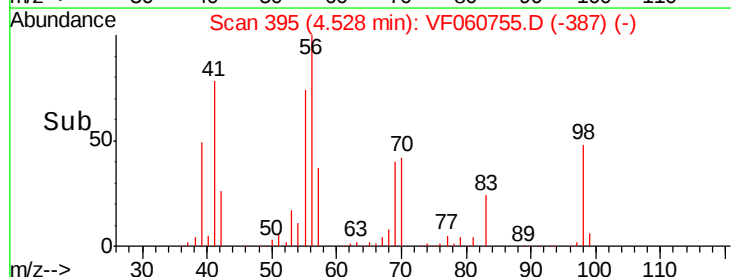
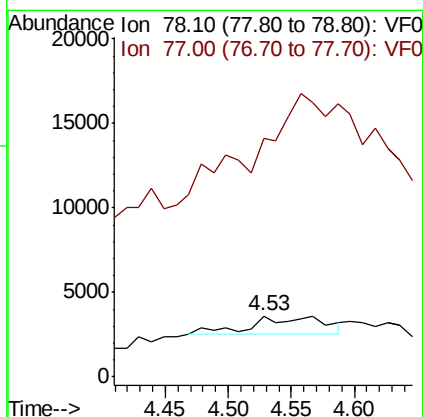
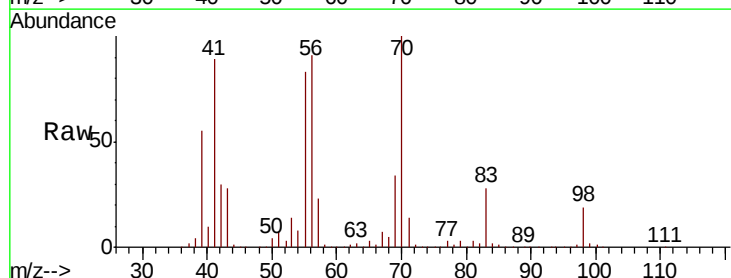
Instrument :
MSVOA_F
ClientSampleId :

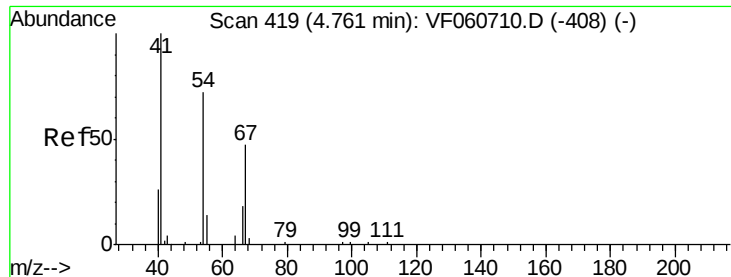
Tot Ion: 83 Resp: 9473519
Ion Ratio Lower Upper
83 100
55 99.4 69.0 103.4
98 56.1 38.5 57.7



#40
Benzene
Concen: 1.022 ug/l
RT: 4.53 min Scan# 395
Delta R.T. -0.12 min
Lab File: VF060755.D
Acq: 15 Nov 2018 19:14

Tgt Ion: 78 Resp: 4288
Ion Ratio Lower Upper
78 100
77 392.7 18.6 28.0#

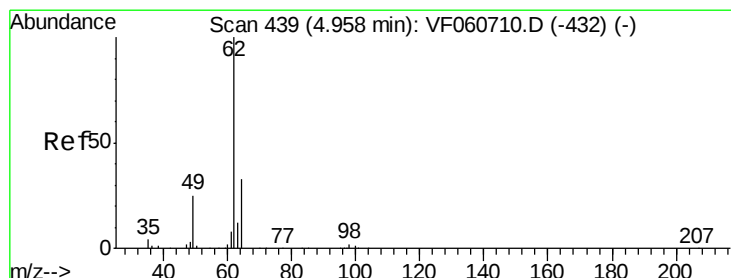
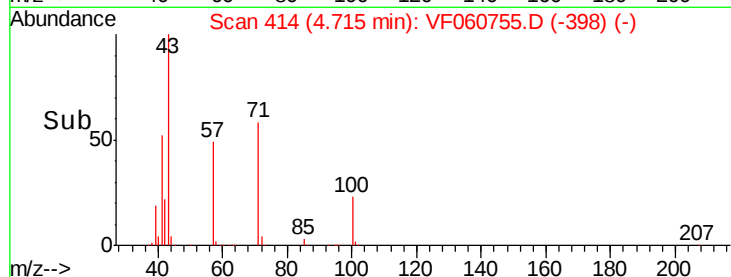
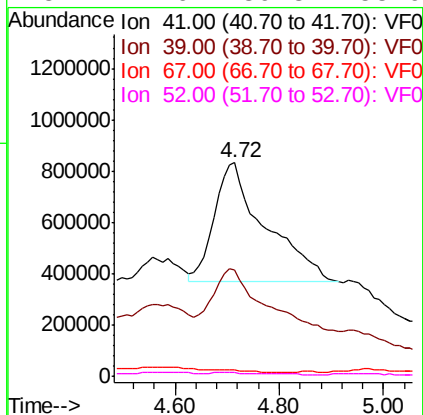
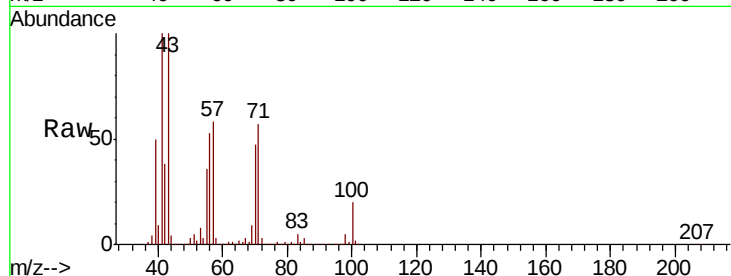




#41
Methacrylonitrile
Concen: 9090.890 ug/l
RT: 4.72 min Scan# 414
Delta R.T. -0.04 min
Lab File: VF060755.D
Acq: 15 Nov 2018 19:14

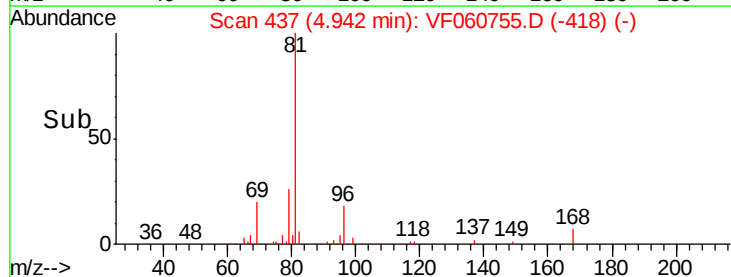
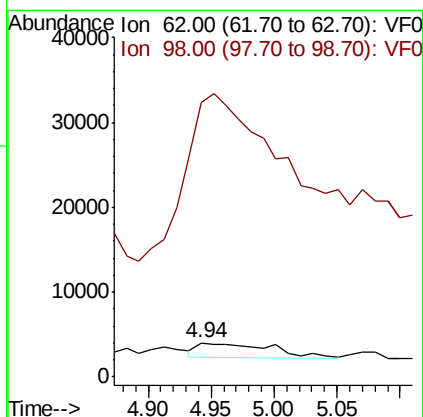
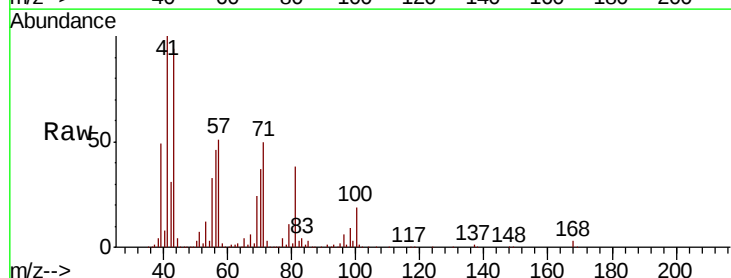
Instrument :
MSVOA_F
ClientSampleId :

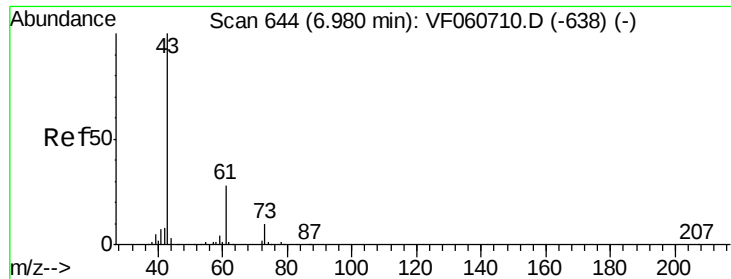
Tot Ion: 41 Resp: 3098213
Ion Ratio Lower Upper
41 100
39 49.6 47.1 70.7
67 2.9 37.1 55.7#
52 1.6 39.3 58.9#



#42
1,2-Dichloroethane
Concen: 4.791 ug/l
RT: 4.94 min Scan# 437
Delta R.T. -0.02 min
Lab File: VF060755.D
Acq: 15 Nov 2018 19:14

Tgt Ion: 62 Resp: 6944
Ion Ratio Lower Upper
62 100
98 808.2 0.0 16.6#





#43

Isopropyl Acetate

Concen: 11823.677 ug/l

RT: 6.77 min Scan# 622

Delta R.T. -0.21 min

Lab File: VF060755.D

Acq: 15 Nov 2018 19:14

Instrument :

MSVOA_F

ClientSampleId :

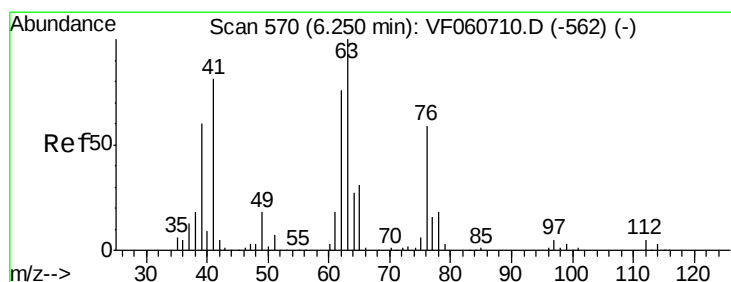
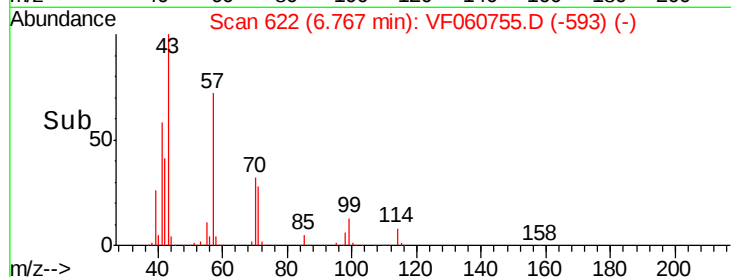
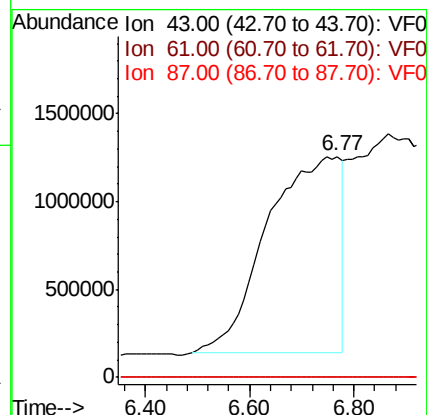
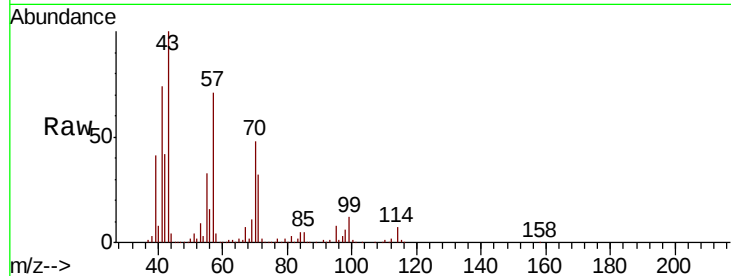
Tot Ion: 43 Resp:10965111

Ion Ratio Lower Upper

43 100

61 0.1 22.2 33.4#

87 0.0 0.4 0.6#



#45

1,2-Dichloropropane

Concen: 12.753 ug/l

RT: 6.30 min Scan# 575

Delta R.T. 0.05 min

Lab File: VF060755.D

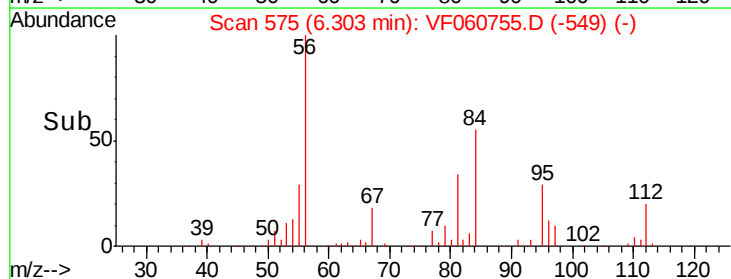
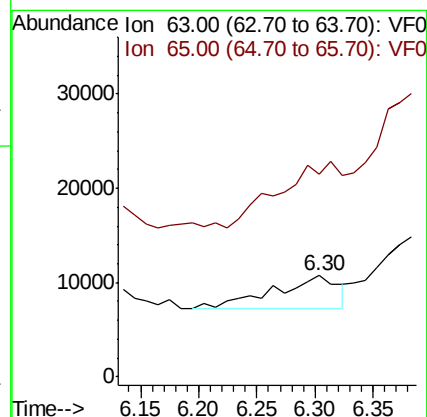
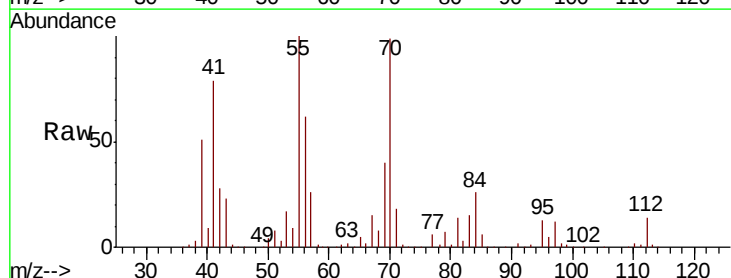
Acq: 15 Nov 2018 19:14

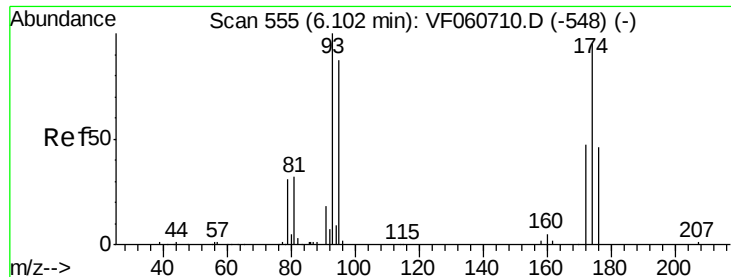
Tgt Ion: 63 Resp: 13918

Ion Ratio Lower Upper

63 100

65 200.2 24.6 36.8#





#46

Dibromomethane

Concen: 1.370 ug/l

RT: 6.08 min Scan# 552

Delta R.T. -0.03 min

Lab File: VF060755.D

Acq: 15 Nov 2018 19:14

Instrument :
MSVOA_F
ClientSampled :

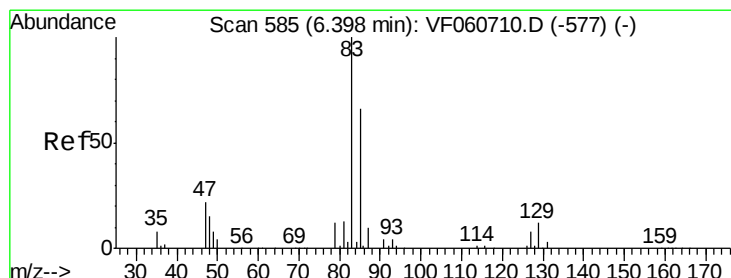
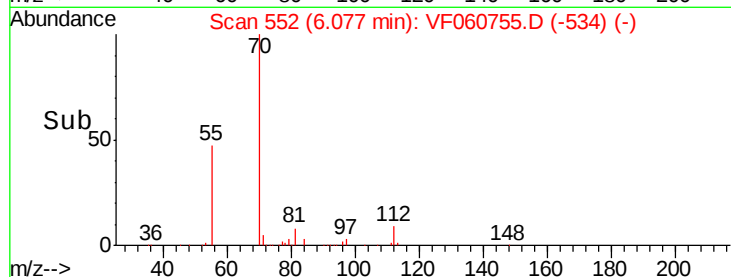
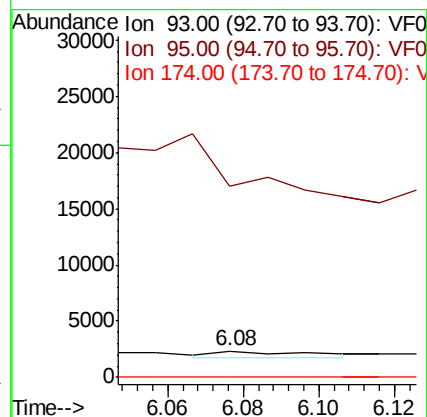
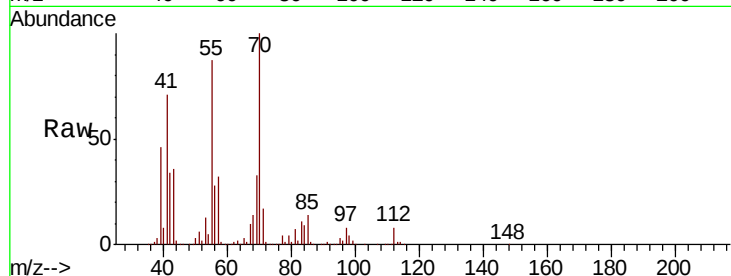
Tot Ion: 93 Resp: 987

Ion Ratio Lower Upper

93 100

95 725.9 69.5 104.3#

174 0.0 76.2 114.2#



#47

Bromodichloromethane

Concen: 180.778 ug/l

RT: 6.33 min Scan# 578

Delta R.T. -0.07 min

Lab File: VF060755.D

Acq: 15 Nov 2018 19:14

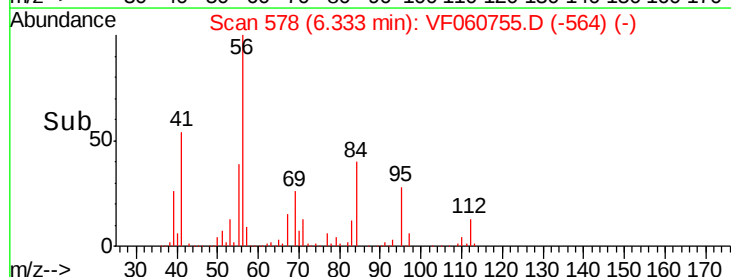
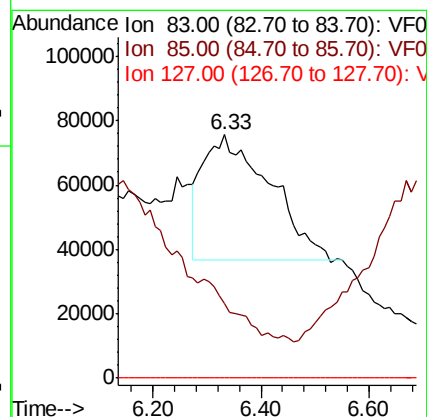
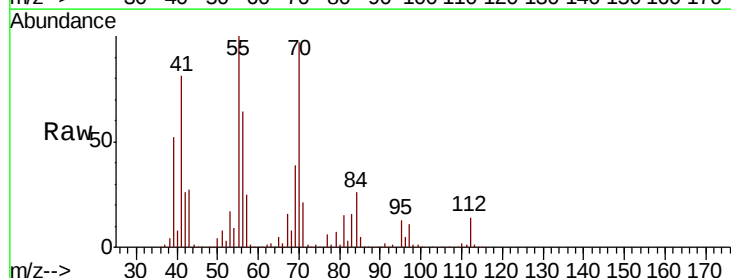
Tgt Ion: 83 Resp: 332557

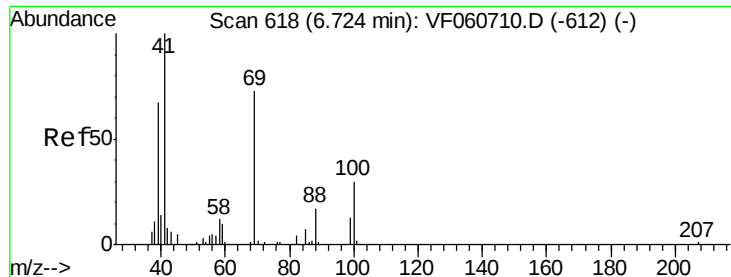
Ion Ratio Lower Upper

83 100

85 30.5 52.4 78.6#

127 0.0 6.8 10.2#





#49

1,4-Dioxane

Concen: 14.808 ug/l

RT: 6.64 min Scan# 609

Delta R.T. -0.08 min

Lab File: VF060755.D

Acq: 15 Nov 2018 19:14

Instrument :
MSVOA_F
ClientSampled :

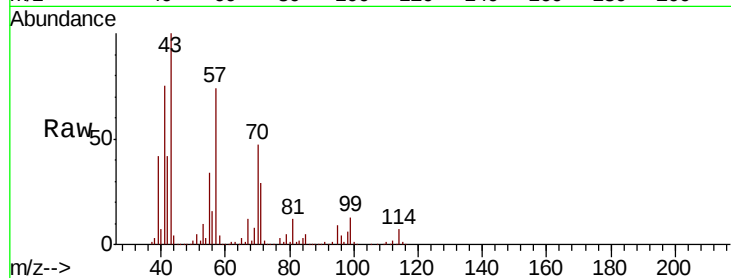
Tot Ion: 88 Resp: 85

Ion Ratio Lower Upper

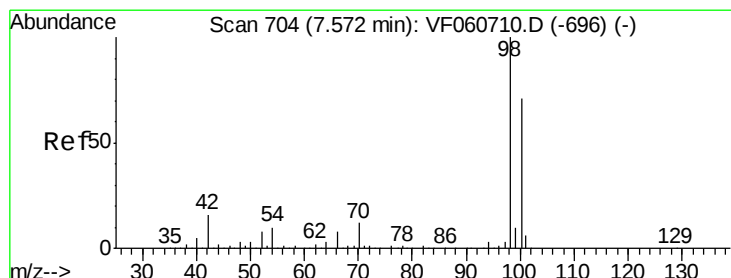
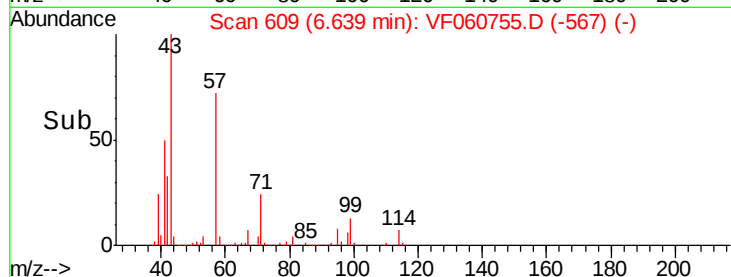
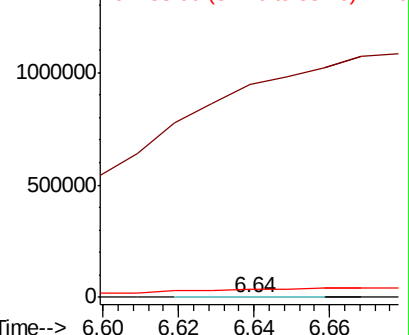
88 100

43 658977.8 44.6 66.8#

58 25433.3 54.5 81.7#



Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 13.164 ug/l

RT: 7.59 min Scan# 705

Delta R.T. 0.01 min

Lab File: VF060755.D

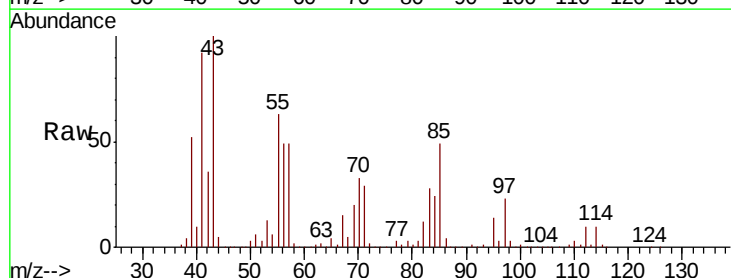
Acq: 15 Nov 2018 19:14

Tgt Ion: 98 Resp: 49665

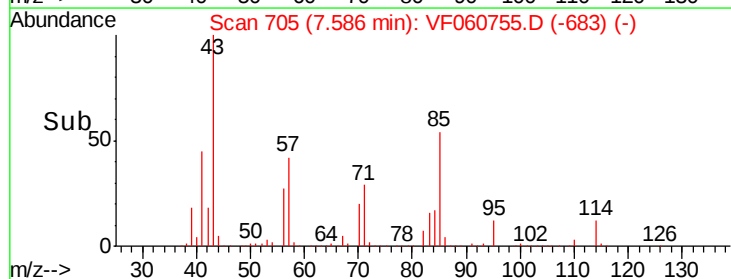
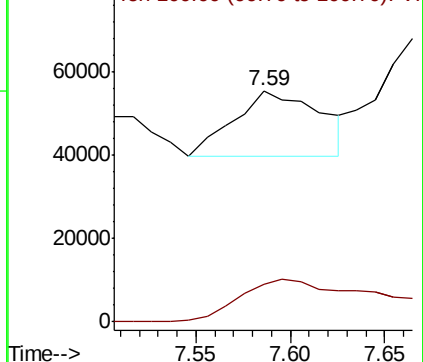
Ion Ratio Lower Upper

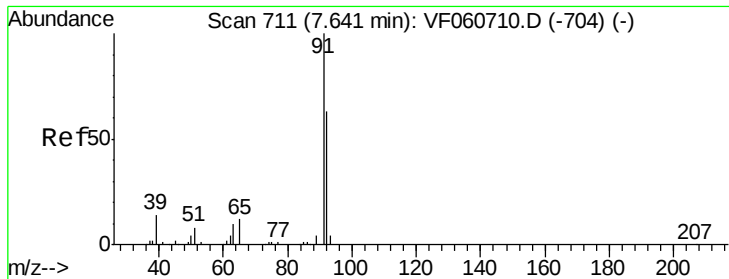
98 100

100 16.4 56.5 84.7#



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#52

Toluene

Concen: 1.716 ug/l

RT: 7.62 min Scan# 708

Delta R.T. -0.03 min

Lab File: VF060755.D

Acq: 15 Nov 2018 19:14

Instrument :

MSVOA_F

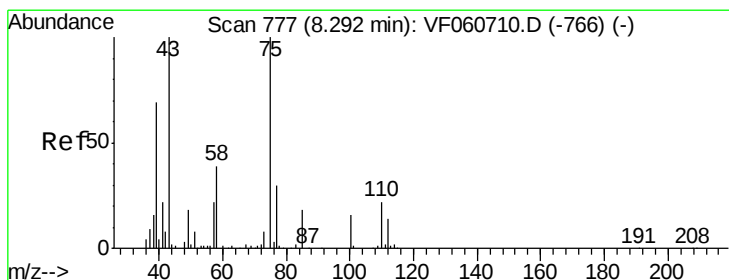
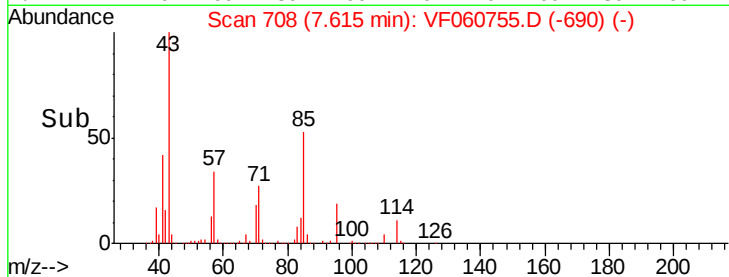
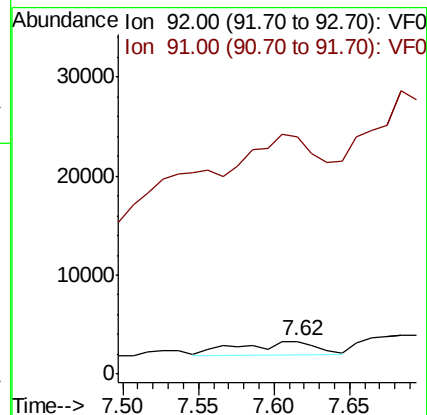
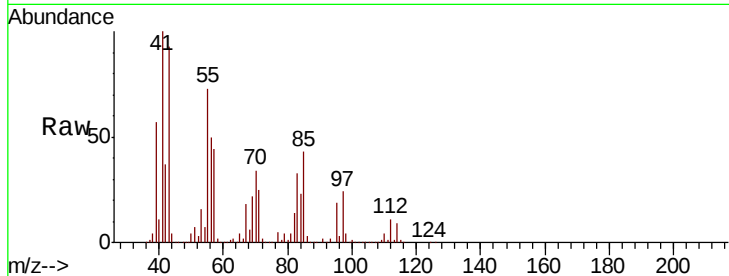
ClientSampleId :

Tot Ion: 92 Resp: 4823

Ion Ratio Lower Upper

92 100

91 720.9 126.7 190.1#



#53

t-1,3-Dichloropropene

Concen: 1.026 ug/l

RT: 8.32 min Scan# 779

Delta R.T. 0.02 min

Lab File: VF060755.D

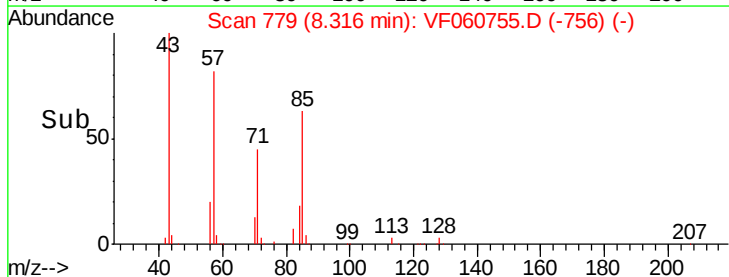
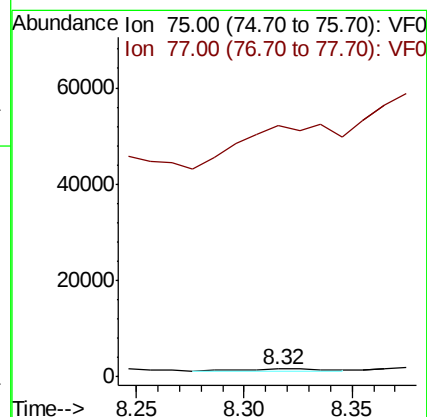
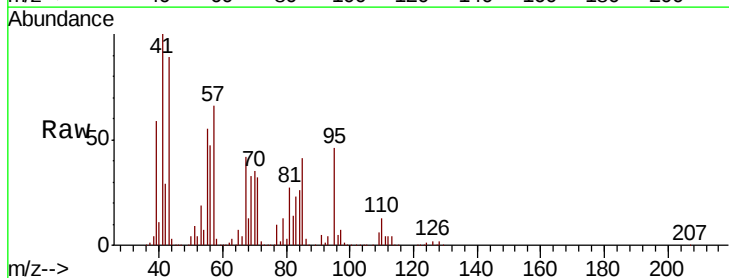
Acq: 15 Nov 2018 19:14

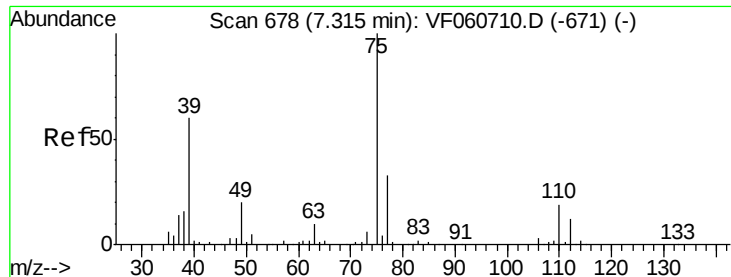
Tgt Ion: 75 Resp: 1512

Ion Ratio Lower Upper

75 100

77 3272.6 24.6 36.8#





#54

cis-1,3-Dichloropropene

Concen: 2.122 ug/l

RT: 7.30 min Scan# 676

Delta R.T. -0.02 min

Lab File: VF060755.D

Acq: 15 Nov 2018 19:14

Instrument :

MSVOA_F

ClientSampleId :

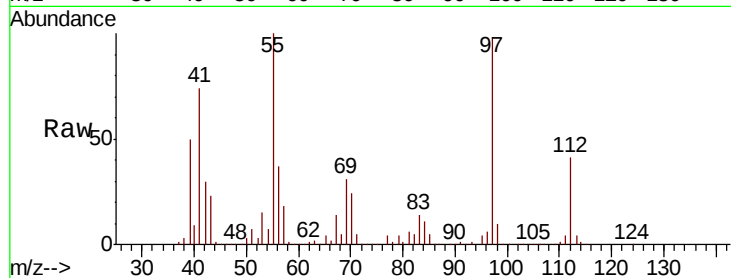
Tot Ion: 75 Resp: 4062

Ion Ratio Lower Upper

75 100

77 2400.3 26.5 39.7#

39 27714.9 48.5 72.7#

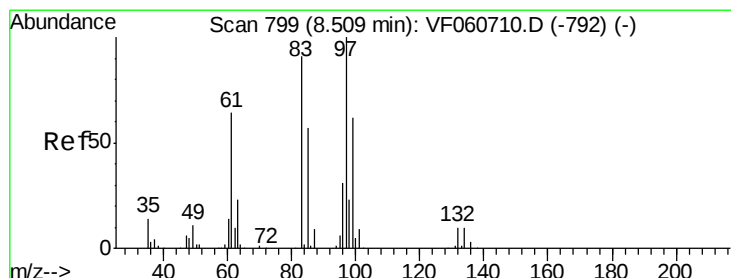
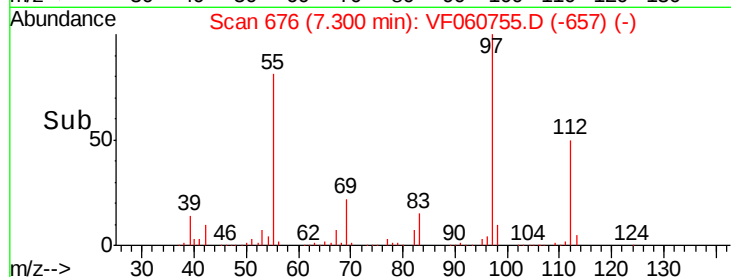
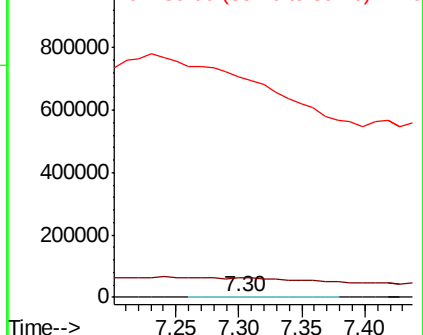


Abundance

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: 2675.906 ug/l

RT: 8.60 min Scan# 808

Delta R.T. 0.09 min

Lab File: VF060755.D

Acq: 15 Nov 2018 19:14

Tgt Ion: 97 Resp: 2148705

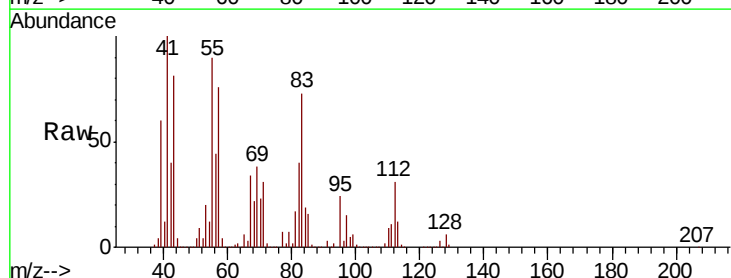
Ion Ratio Lower Upper

97 100

83 478.3 72.8 109.2#

85 105.9 45.8 68.6#

99 41.1 49.4 74.0#



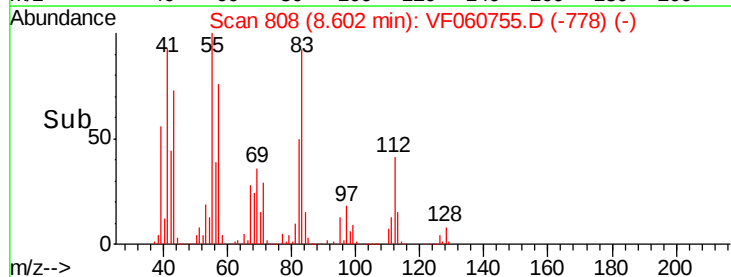
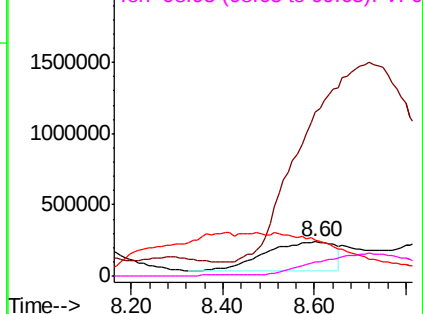
Abundance

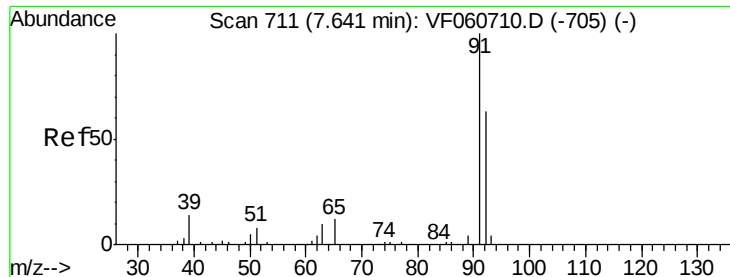
Ion 97.00 (96.70 to 97.70): VF0

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

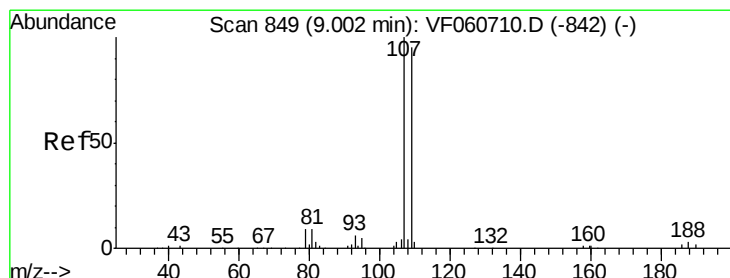
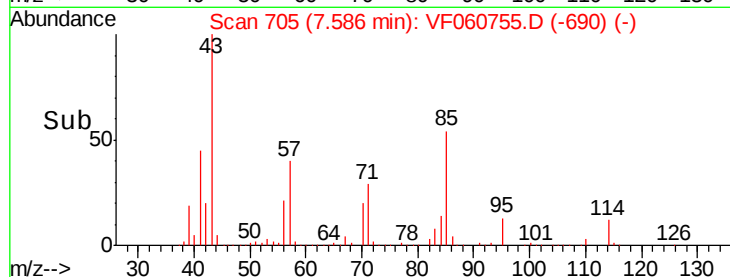
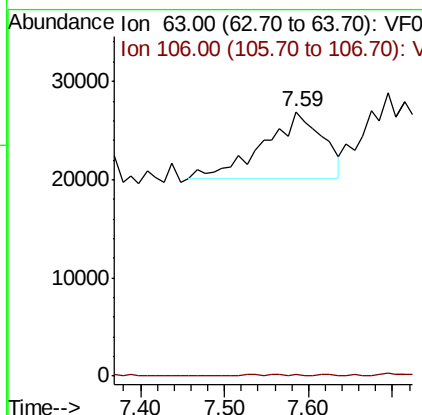
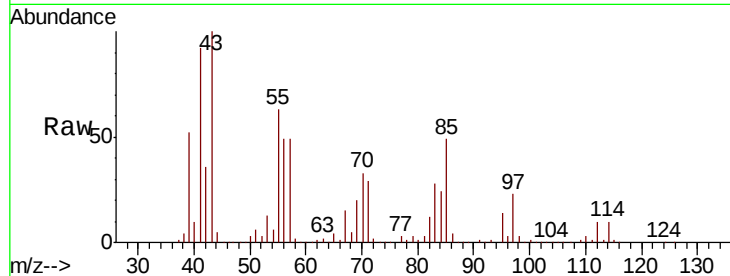




#58
 2-Chloroethyl Vinyl ether
 Concen: 393.179 ug/l
 RT: 7.59 min Scan# 705
 Delta R.T. -0.06 min
 Lab File: VF060755.D
 Acq: 15 Nov 2018 19:14

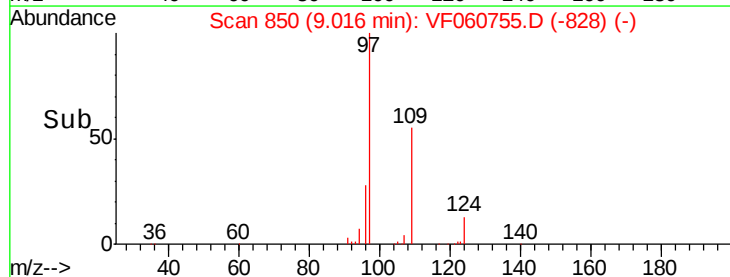
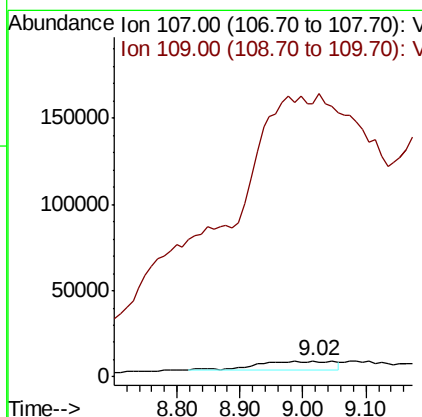
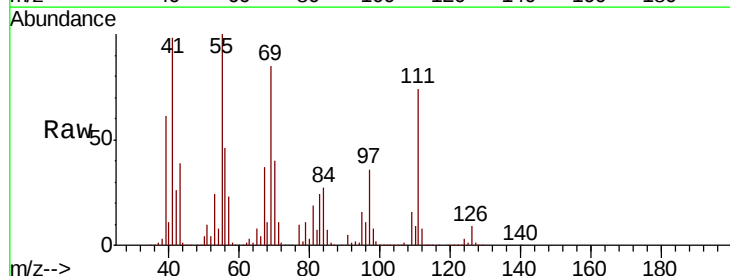
Instrument :
 MSVOA_F
 ClientSampleId :

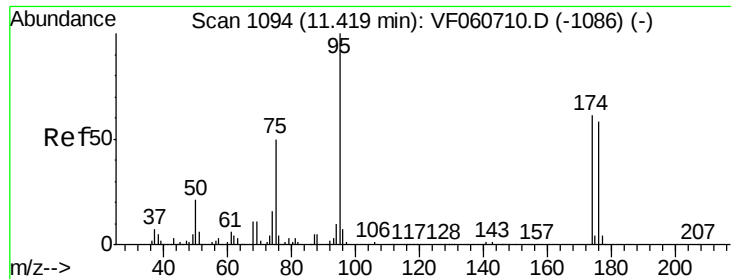
Tot Ion: 63 Resp: 32754
 Ion Ratio Lower Upper
 63 100
 106 0.6 0.0 0.0#



#61
 1,2-Dibromoethane
 Concen: 46.437 ug/l
 RT: 9.02 min Scan# 850
 Delta R.T. 0.01 min
 Lab File: VF060755.D
 Acq: 15 Nov 2018 19:14

Tgt Ion:107 Resp: 39216
 Ion Ratio Lower Upper
 107 100
 109 1681.8 75.9 113.9#





#62

4-Bromofluorobenzene

Concen: 796.535 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF060755.D

Acq: 15 Nov 2018 19:14

Instrument :

MSVOA_F

ClientSampleId :

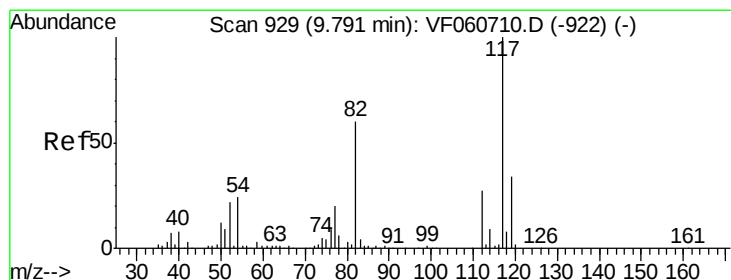
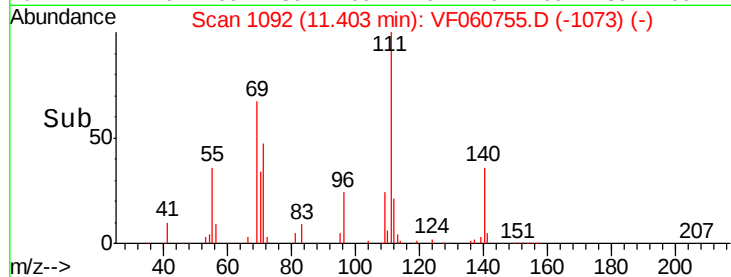
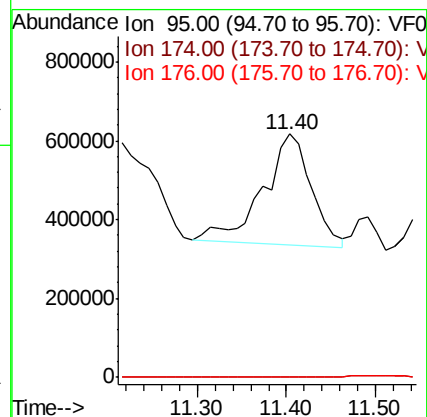
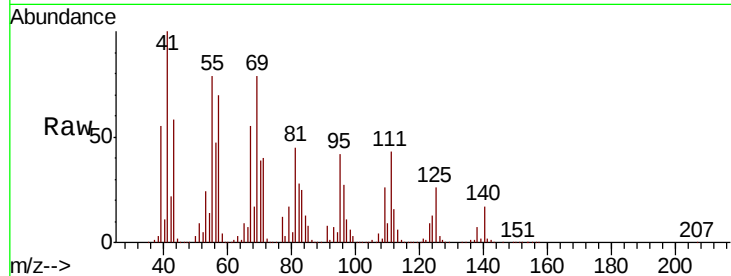
Tot Ion: 95 Resp: 1062260

Ion Ratio Lower Upper

95 100

174 0.0 0.0 121.6

176 0.0 0.0 115.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.84 min Scan# 934

Delta R.T. 0.05 min

Lab File: VF060755.D

Acq: 15 Nov 2018 19:14

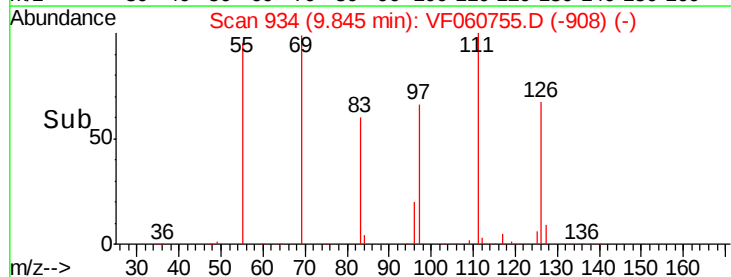
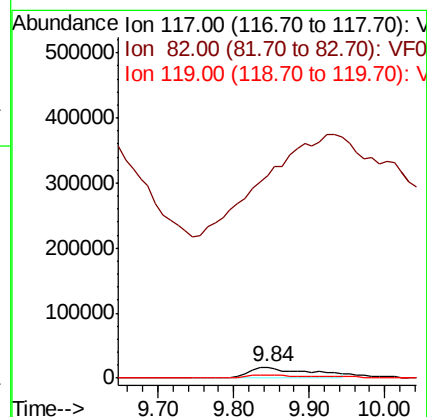
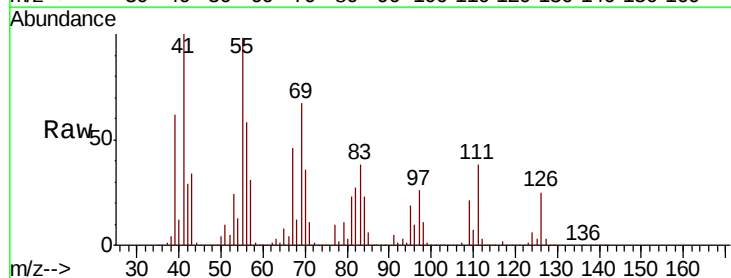
Tgt Ion: 117 Resp: 90774

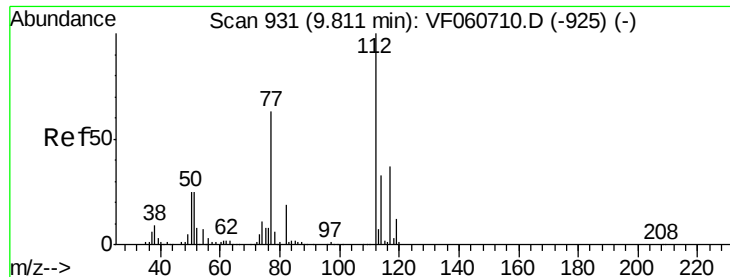
Ion Ratio Lower Upper

117 100

82 1793.3 47.9 71.9#

119 29.8 26.8 40.2

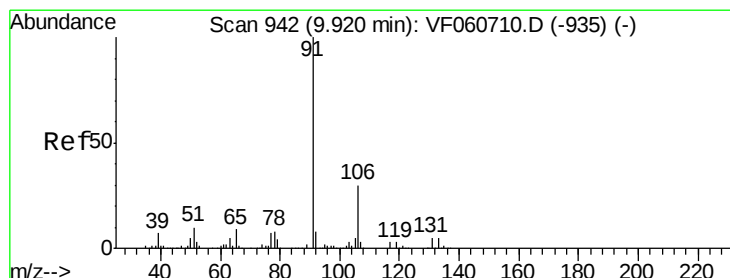
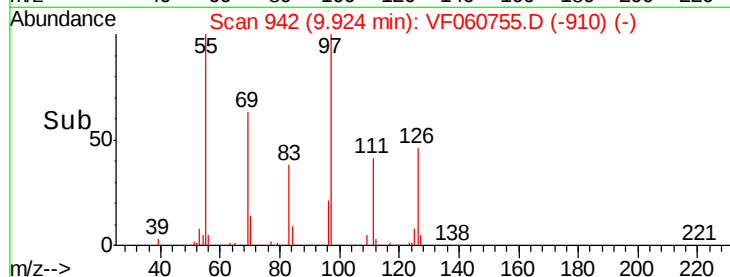
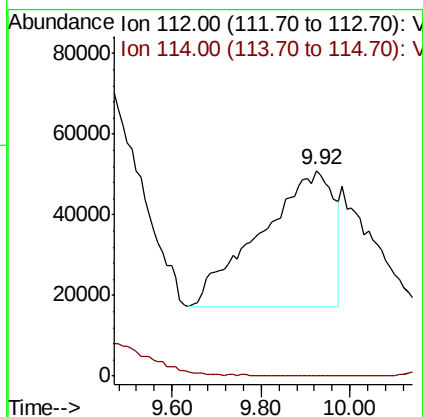
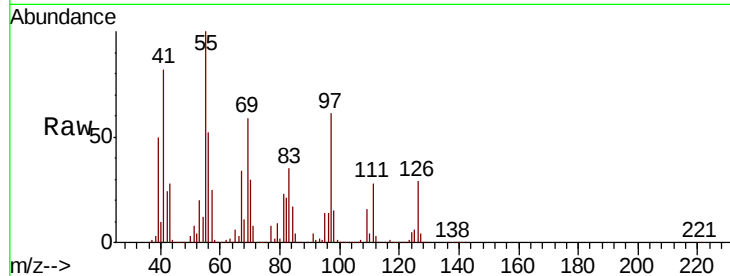




#65
Chlorobenzene
Concen: 210.487 ug/l
RT: 9.92 min Scan# 942
Delta R.T. 0.11 min
Lab File: VF060755.D
Acq: 15 Nov 2018 19:14

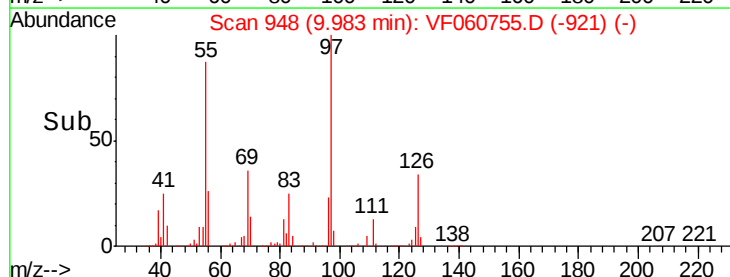
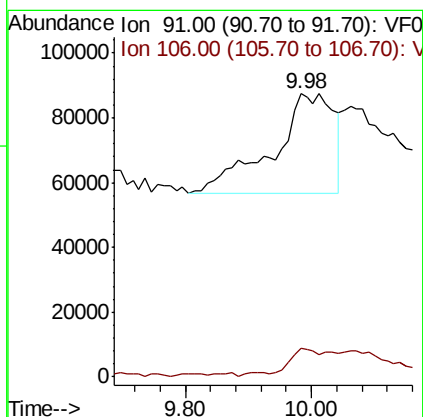
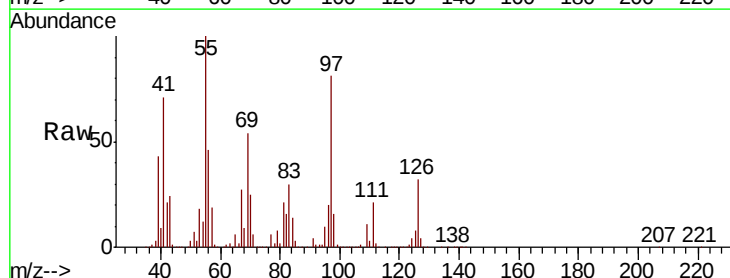
Instrument :
MSVOA_F
ClientSampled :

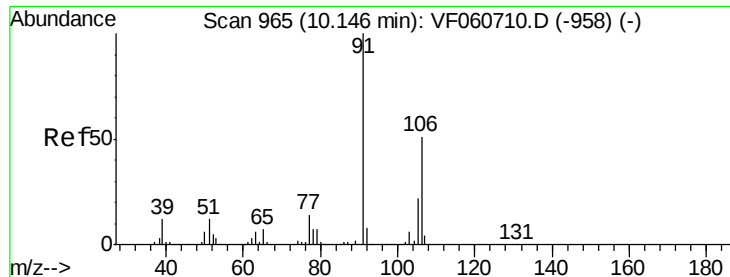
Tot Ion:112 Resp: 385561
Ion Ratio Lower Upper
112 100
114 0.0 26.1 39.1#



#67
Ethyl Benzene
Concen: 60.488 ug/l
RT: 9.98 min Scan# 948
Delta R.T. 0.06 min
Lab File: VF060755.D
Acq: 15 Nov 2018 19:14

Tgt Ion: 91 Resp: 208851
Ion Ratio Lower Upper
91 100
106 10.2 23.9 35.9#

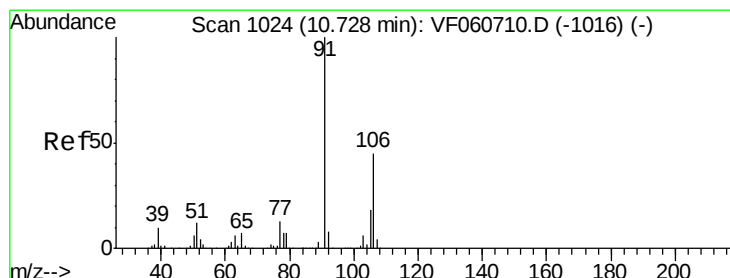
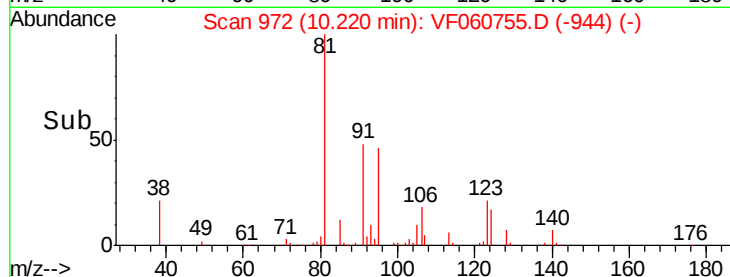
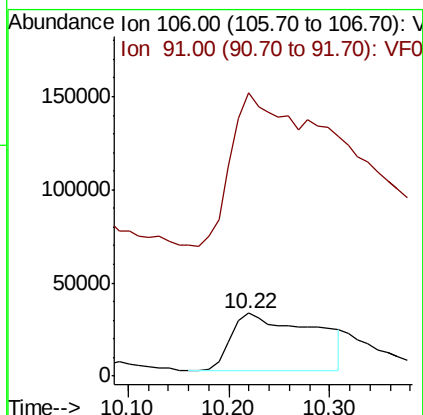
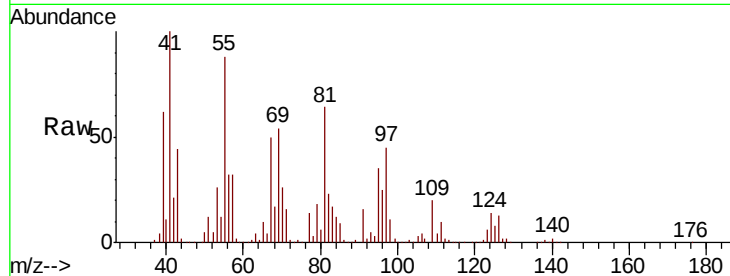




#68
m/p-Xylenes
Concen: 141.471 ug/l
RT: 10.22 min Scan# 972
Delta R.T. 0.07 min
Lab File: VF060755.D
Acq: 15 Nov 2018 19:14

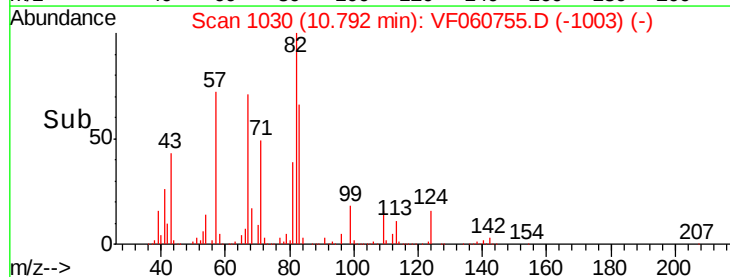
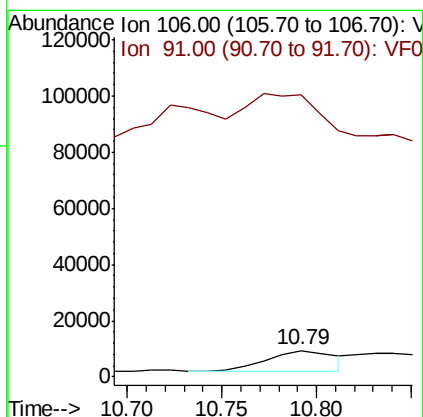
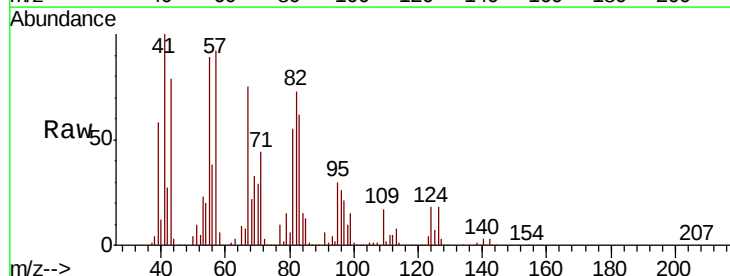
Instrument :
MSVOA_F
ClientSampleId :

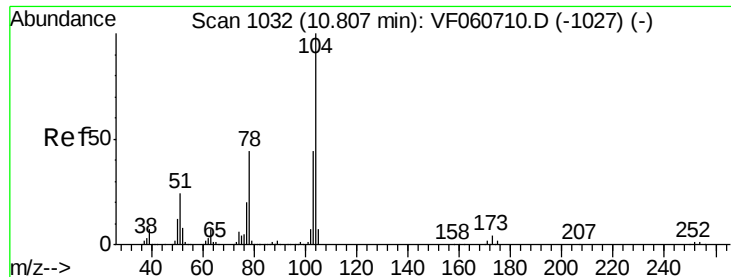
Tot Ion:106 Resp: 174563
Ion Ratio Lower Upper
106 100
91 448.5 158.2 237.2#



#69
o-Xylene
Concen: 13.703 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.06 min
Lab File: VF060755.D
Acq: 15 Nov 2018 19:14

Tgt Ion:106 Resp: 19010
Ion Ratio Lower Upper
106 100
91 1073.9 110.3 330.9#

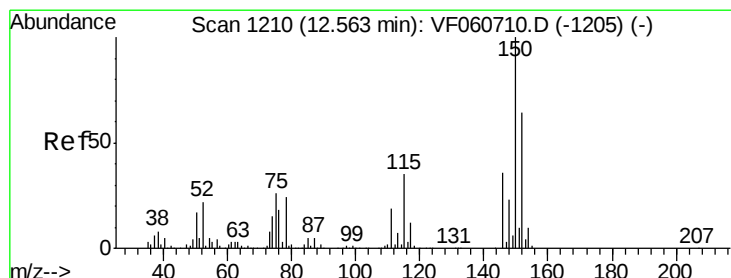
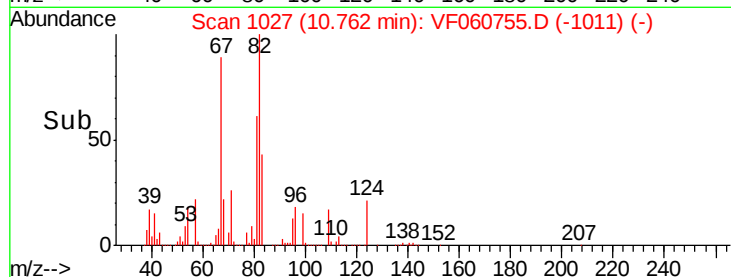
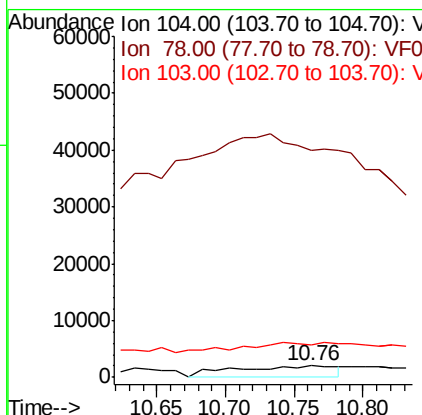
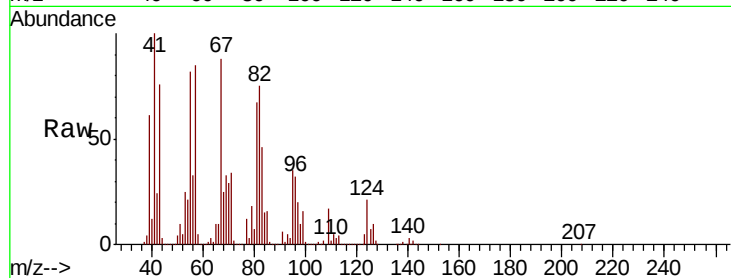




#70
Stvrene
Concen: 5.569 ug/l
RT: 10.76 min Scan# 1027
Delta R.T. -0.05 min
Lab File: VF060755.D
Acq: 15 Nov 2018 19:14

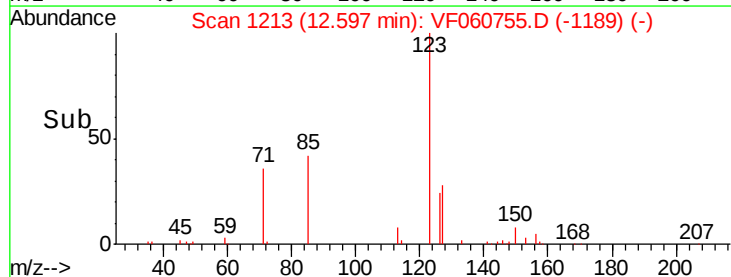
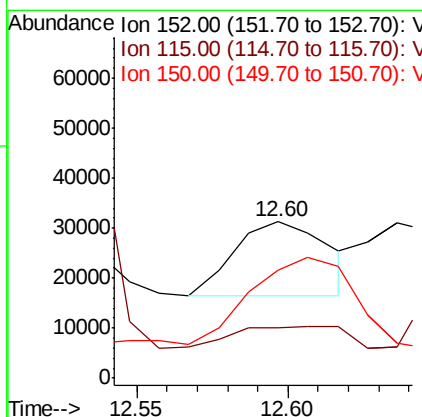
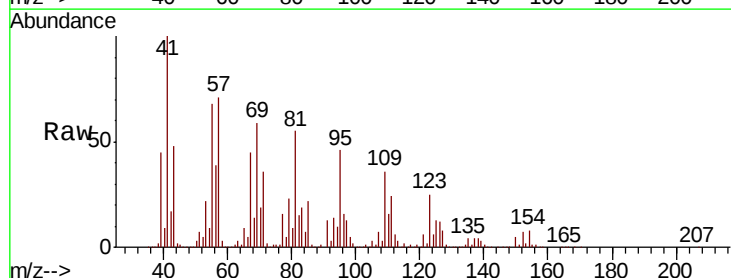
Instrument :
MSVOA_F
ClientSampled :

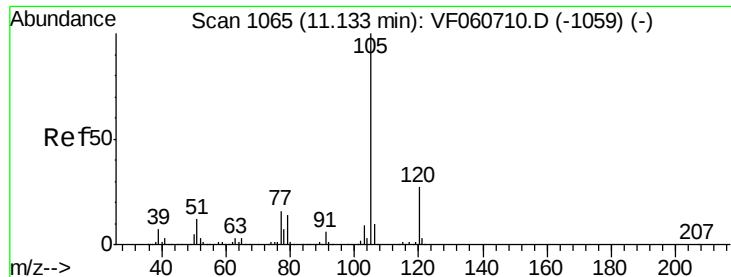
Tot Ion:104 Resp: 10485
Ion Ratio Lower Upper
104 100
78 1954.0 35.4 53.2#
103 283.5 35.8 53.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.60 min Scan# 1213
Delta R.T. 0.03 min
Lab File: VF060755.D
Acq: 15 Nov 2018 19:14

Tgt Ion:152 Resp: 32184
Ion Ratio Lower Upper
152 100
115 31.9 27.9 83.7
150 69.1 0.0 316.4





#73

Isopropylbenzene

Concen: 1646.342 ug/l

RT: 11.26 min Scan# 1077

Delta R.T. 0.12 min

Lab File: VF060755.D

Acq: 15 Nov 2018 19:14

Instrument :

MSVOA_F

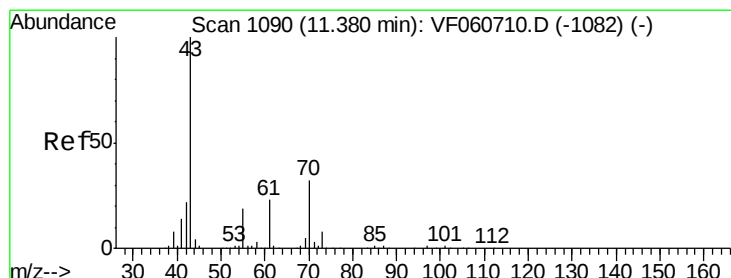
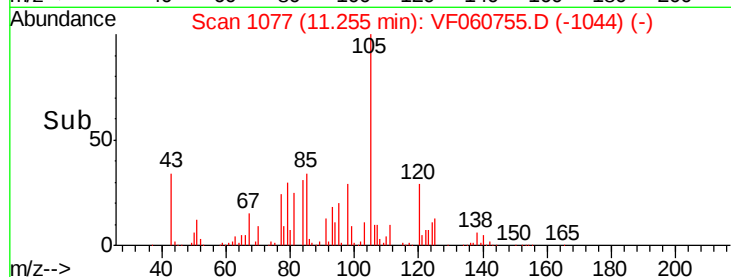
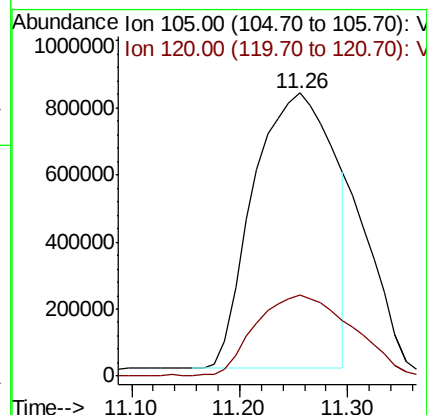
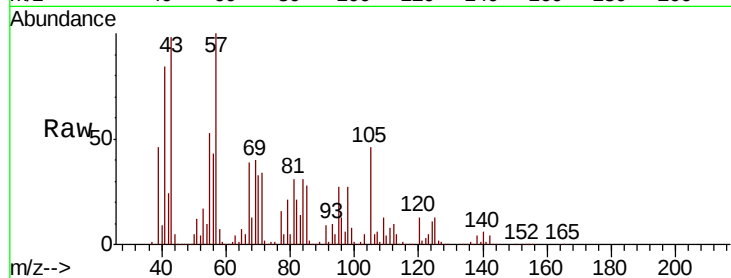
ClientSampled :

Tot Ion:105 Resp: 4264998

Ion Ratio Lower Upper

105 100

120 28.6 13.4 40.1



#74

N-ethyl acetate

Concen: 28049.909 ug/l

RT: 11.34 min Scan# 1086

Delta R.T. -0.04 min

Lab File: VF060755.D

Acq: 15 Nov 2018 19:14

Tgt Ion: 43 Resp:16542333

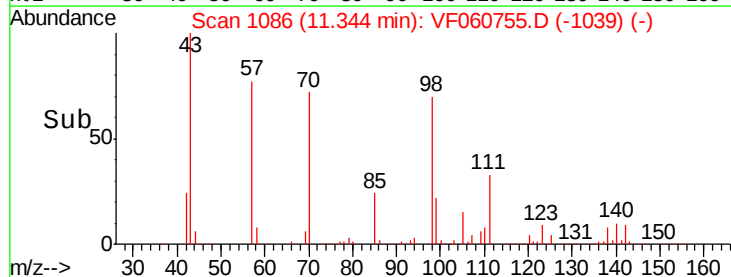
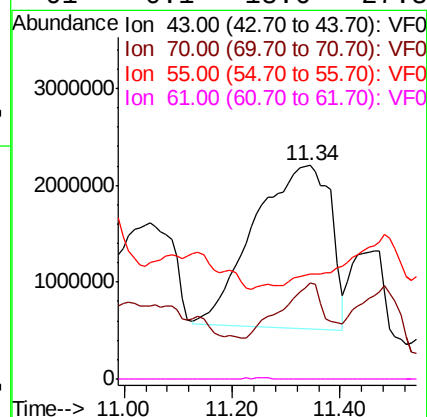
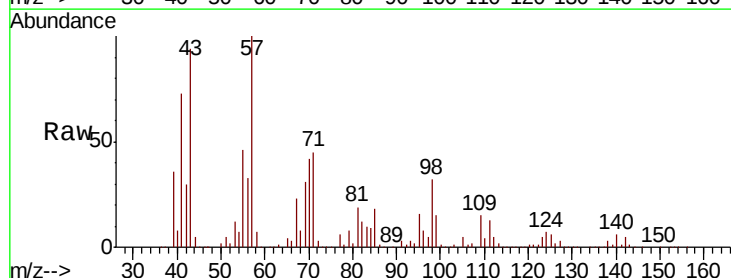
Ion Ratio Lower Upper

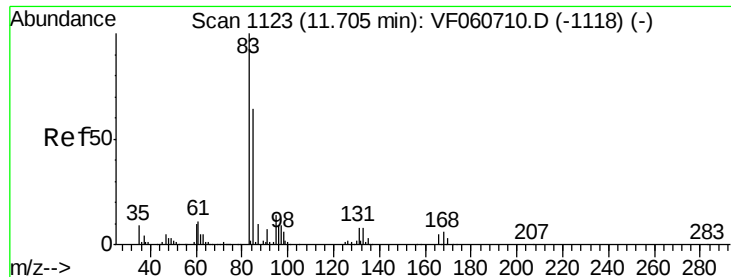
43 100

70 45.1 25.5 38.3#

55 49.0 14.9 22.3#

61 0.1 18.6 27.8#





#75

1,1,2,2-Tetrachloroethane

Concen: 5986.205 ug/l

RT: 11.73 min Scan# 1125

Delta R.T. 0.02 min

Lab File: VF060755.D

Acq: 15 Nov 2018 19:14

Instrument :

MSVOA_F

ClientSampleId :

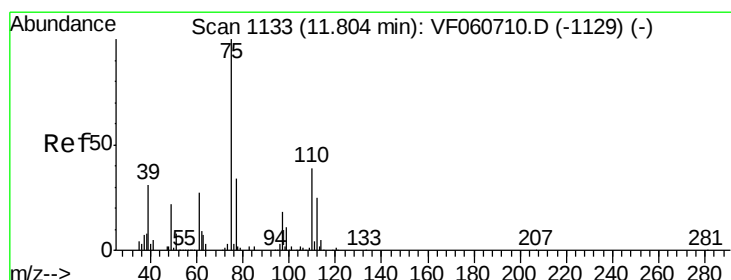
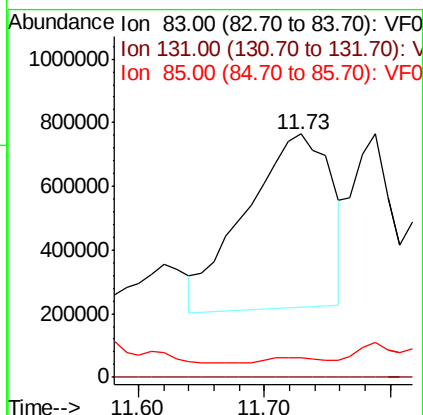
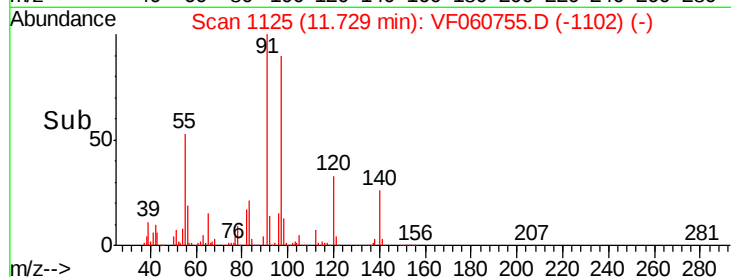
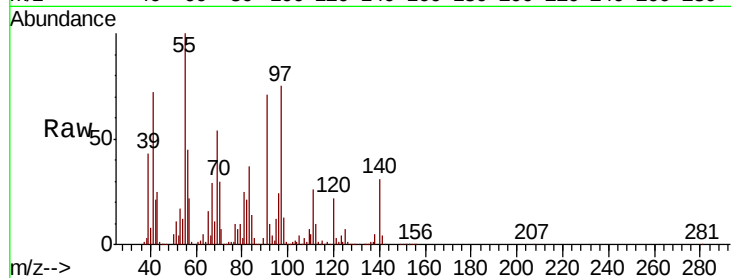
Tot Ion: 83 Resp: 2563898

Ion Ratio Lower Upper

83 100

131 0.0 4.2 12.4#

85 8.2 32.0 96.2#



#76

1,2,3-Trichloropropane

Concen: 80.889 ug/l

RT: 11.85 min Scan# 1137

Delta R.T. 0.04 min

Lab File: VF060755.D

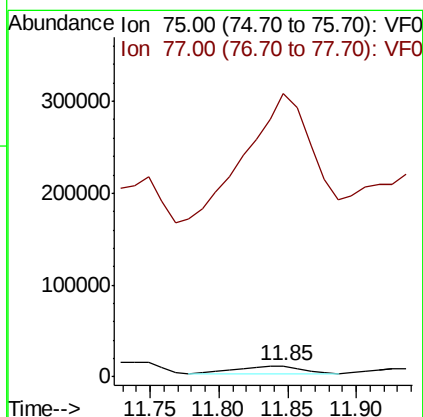
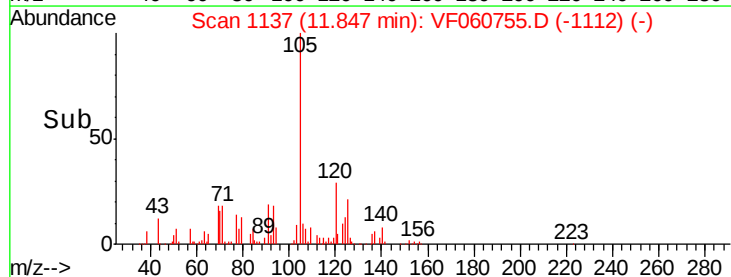
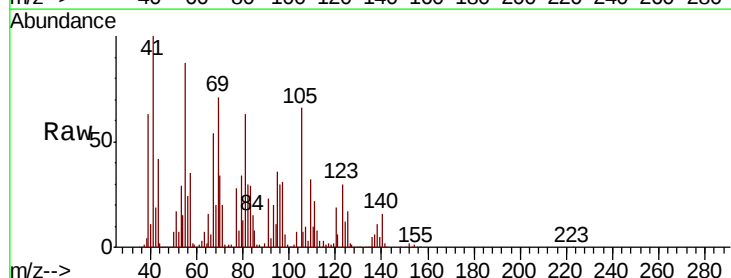
Acq: 15 Nov 2018 19:14

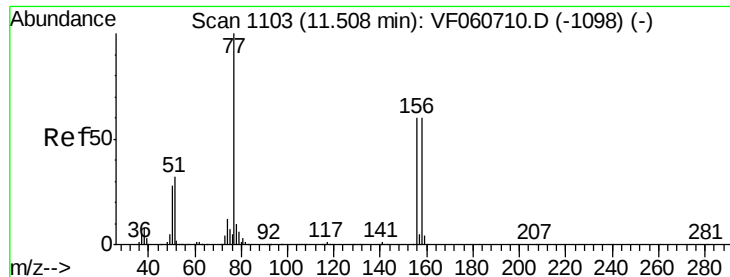
Tgt Ion: 75 Resp: 25730

Ion Ratio Lower Upper

75 100

77 2583.9 17.0 51.0#





#77

Bromobenzene

Concen: 25.955 ug/l

RT: 11.56 min Scan# 1108

Delta R.T. 0.05 min

Lab File: VF060755.D

Acq: 15 Nov 2018 19:14

Instrument :

MSVOA_F

ClientSampleId :

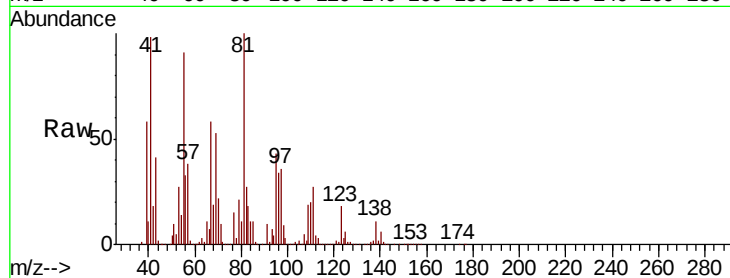
Tot Ion:156 Resp: 13996

Ion Ratio Lower Upper

156 100

77 4405.3 83.0 248.9#

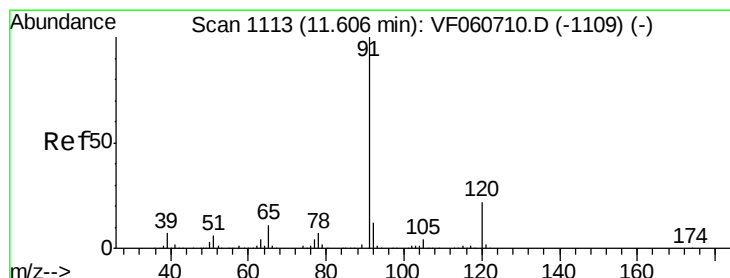
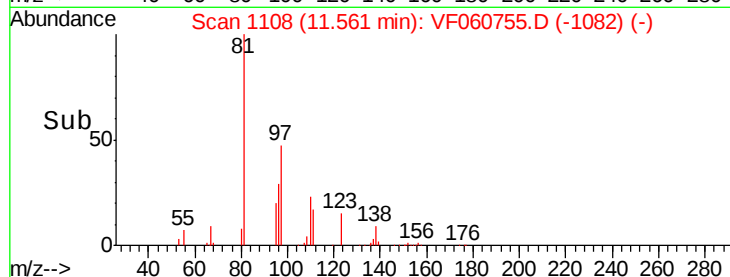
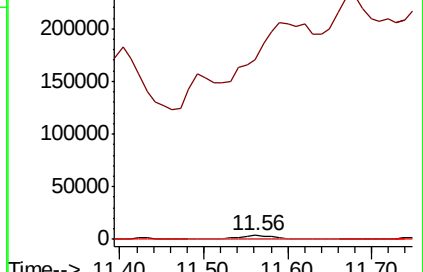
158 0.0 49.6 149.0#



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 2640.968 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. 0.10 min

Lab File: VF060755.D

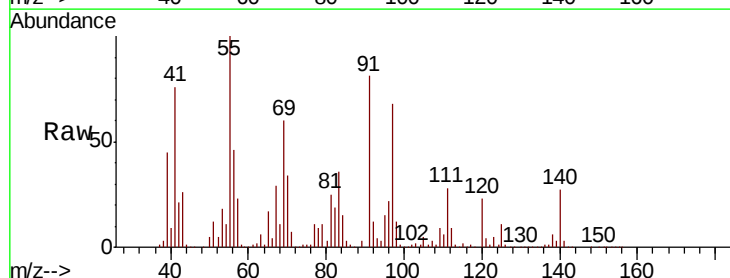
Acq: 15 Nov 2018 19:14

Tgt Ion: 91 Resp: 7979295

Ion Ratio Lower Upper

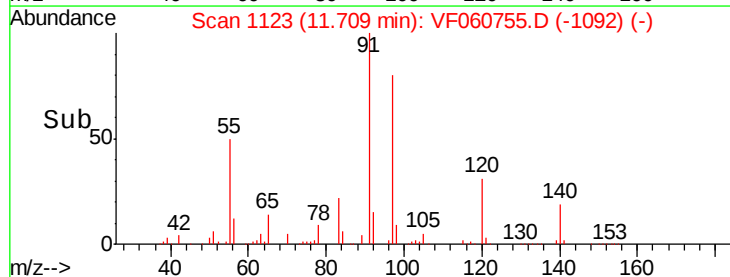
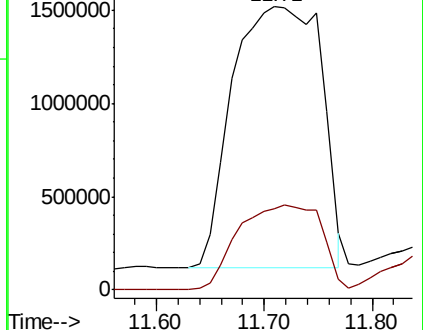
91 100

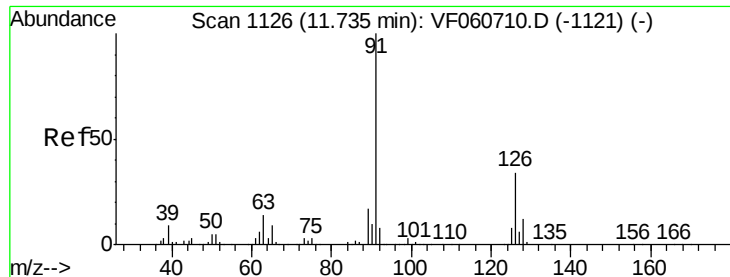
120 28.8 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4593.766 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. -0.03 min

Lab File: VF060755.D

Acq: 15 Nov 2018 19:14

Instrument :

MSVOA_F

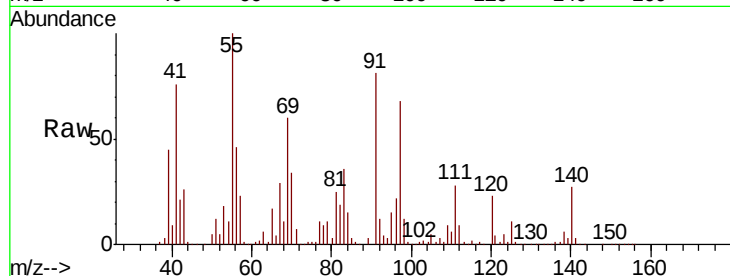
ClientSampleId :

Tot Ion: 91 Resp: 8066825

Ion Ratio Lower Upper

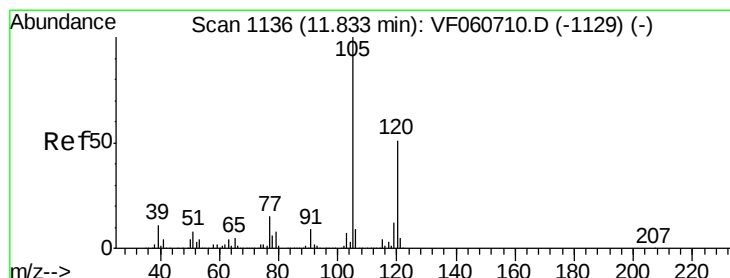
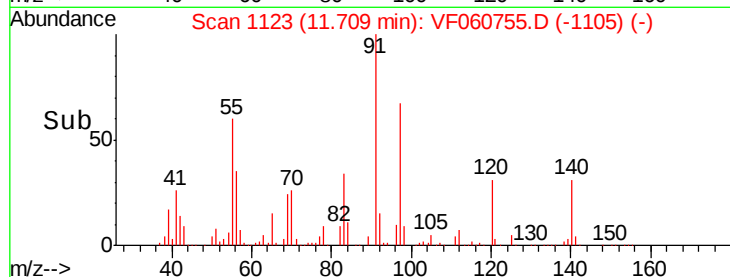
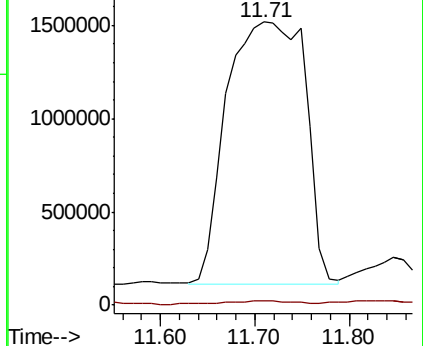
91 100

126 1.5 16.8 50.4#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 1051.159 ug/l

RT: 11.85 min Scan# 1137

Delta R.T. 0.01 min

Lab File: VF060755.D

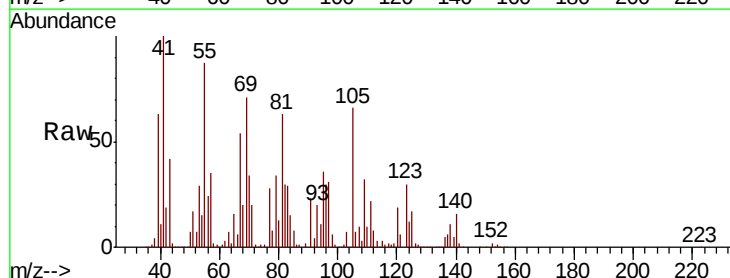
Acq: 15 Nov 2018 19:14

Tgt Ion:105 Resp: 2161922

Ion Ratio Lower Upper

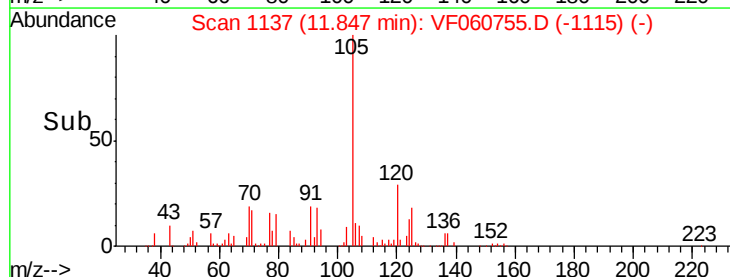
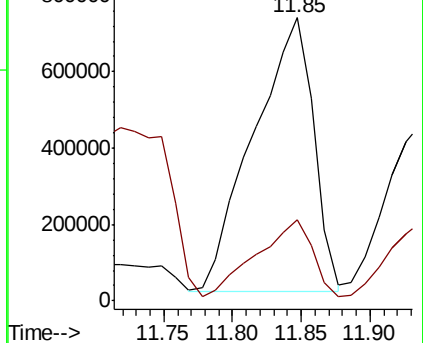
105 100

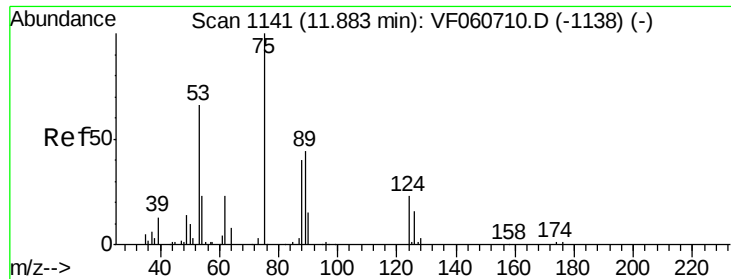
120 28.5 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

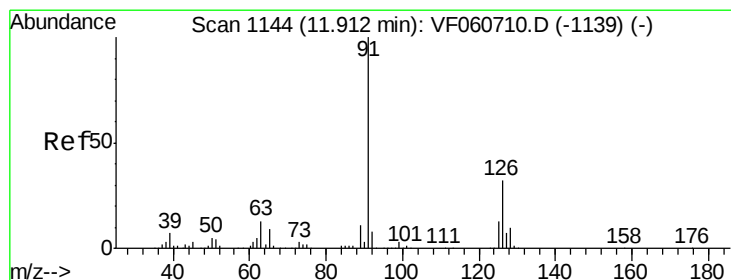
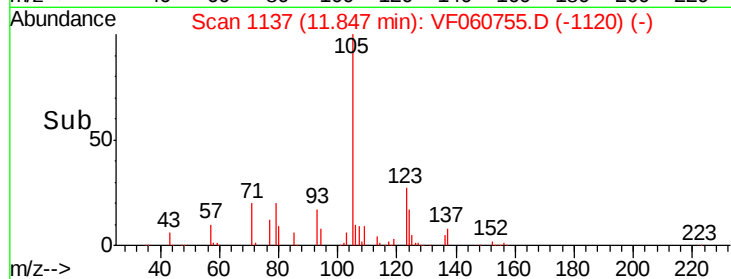
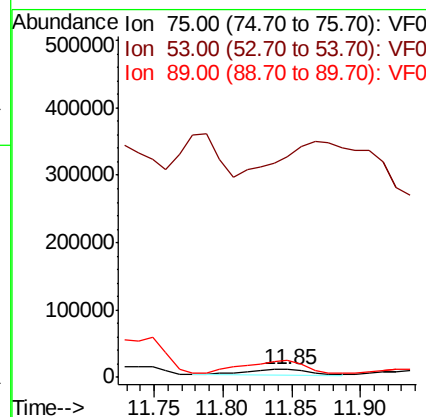
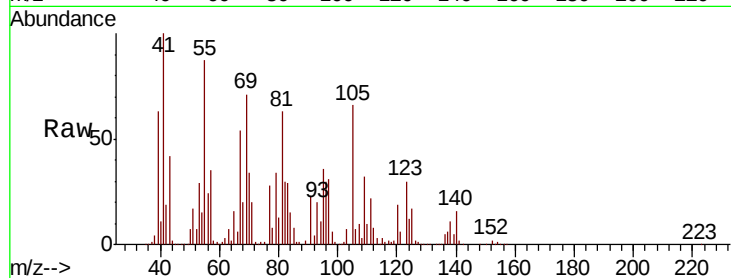




#81
trans-1,4-Dichloro-2-butene
Concen: 168.896 ug/l
RT: 11.85 min Scan# 1137
Delta R.T. -0.04 min
Lab File: VF060755.D
Acq: 15 Nov 2018 19:14

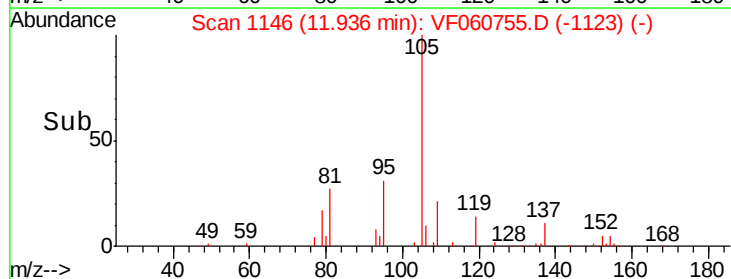
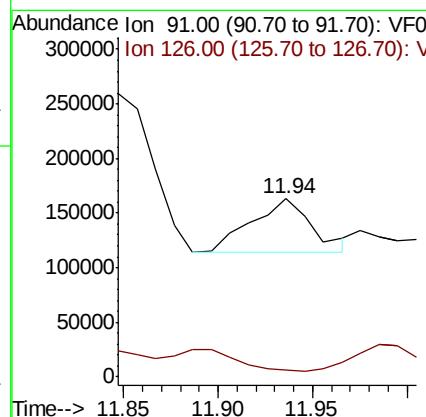
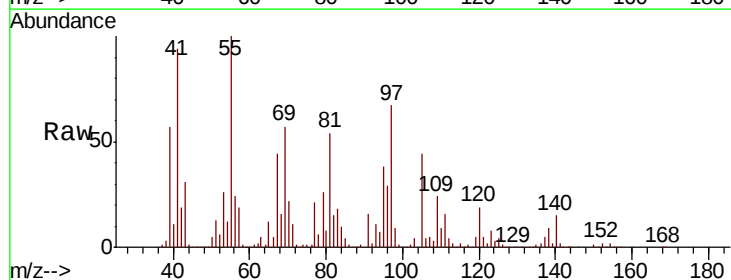
Instrument :
MSVOA_F
ClientSampleId :

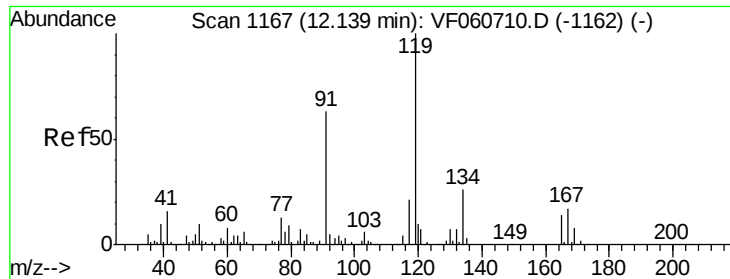
Tot Ion: 75 Resp: 26394
Ion Ratio Lower Upper
75 100
53 2739.6 57.0 85.4#
89 219.6 37.8 56.8#



#82
4-Chlorotoluene
Concen: 62.145 ug/l
RT: 11.94 min Scan# 1146
Delta R.T. 0.02 min
Lab File: VF060755.D
Acq: 15 Nov 2018 19:14

Tgt Ion: 91 Resp: 111798
Ion Ratio Lower Upper
91 100
126 3.6 16.0 47.9#





#83

tert-Butylbenzene

Concen: 29.539 ug/l

RT: 12.11 min Scan# 1164

Delta R.T. -0.03 min

Lab File: VF060755.D

Acq: 15 Nov 2018 19:14

Instrument :

MSVOA_F

ClientSampleId :

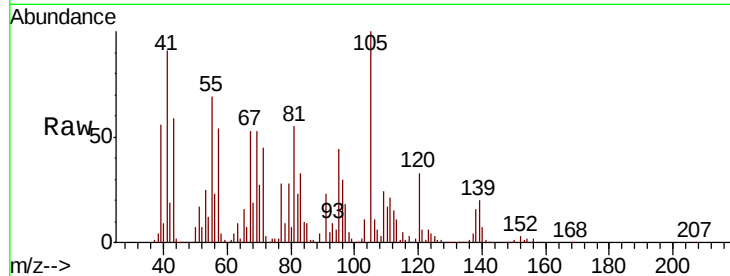
Tot Ion:119 Resp: 64505

Ion Ratio Lower Upper

119 100

91 972.2 31.4 94.3#

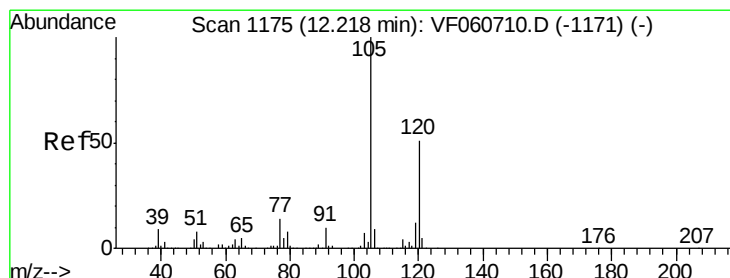
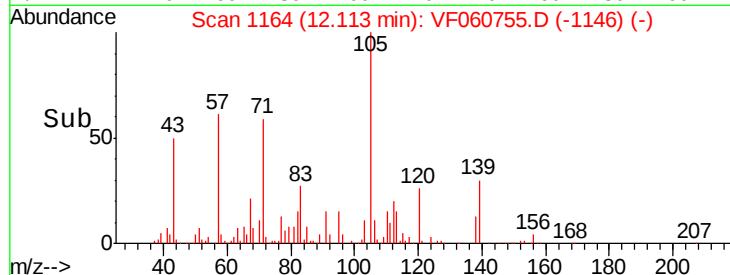
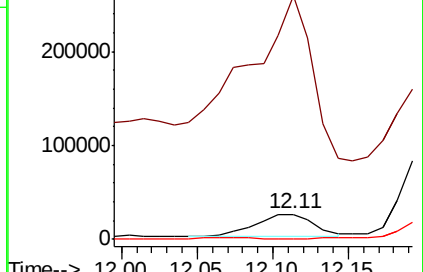
134 3.7 12.8 38.4#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 866.738 ug/l

RT: 12.29 min Scan# 1182

Delta R.T. 0.07 min

Lab File: VF060755.D

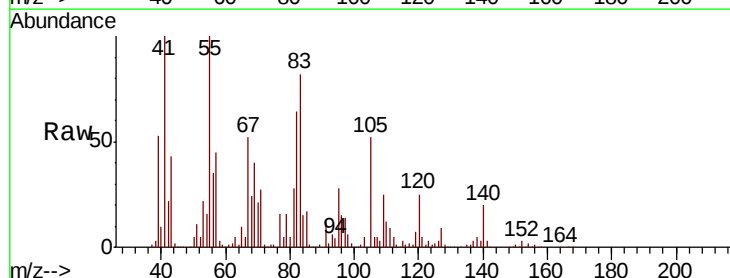
Acq: 15 Nov 2018 19:14

Tgt Ion:105 Resp: 1843627

Ion Ratio Lower Upper

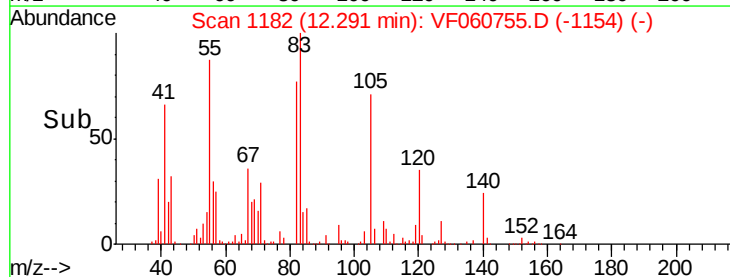
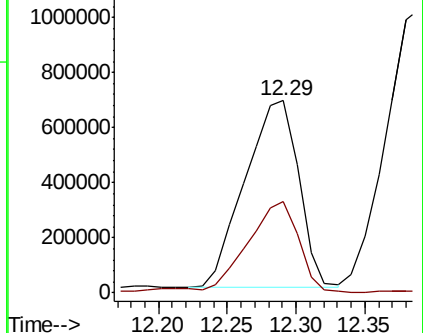
105 100

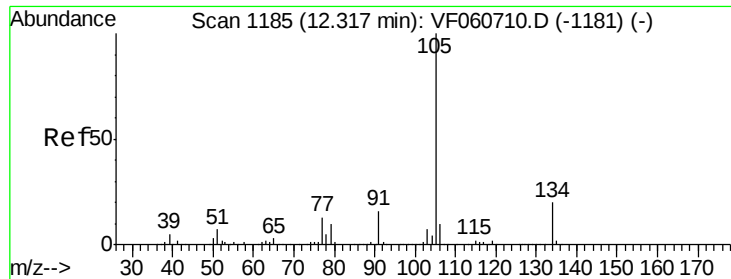
120 47.5 25.5 76.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

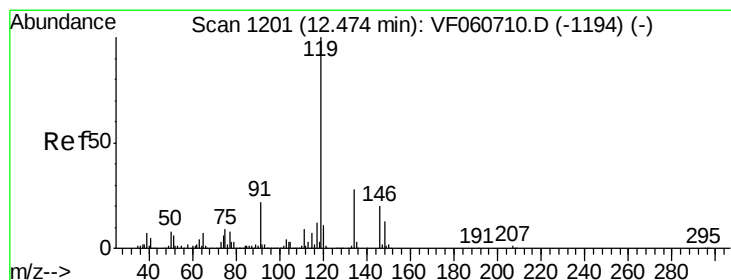
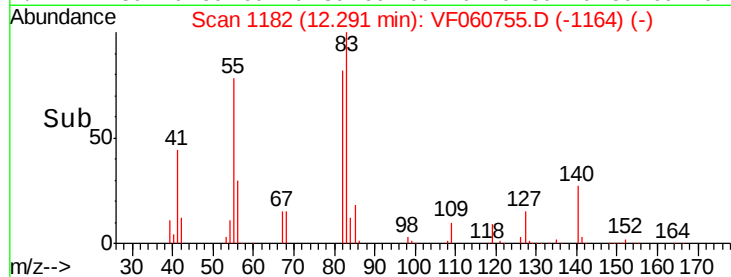
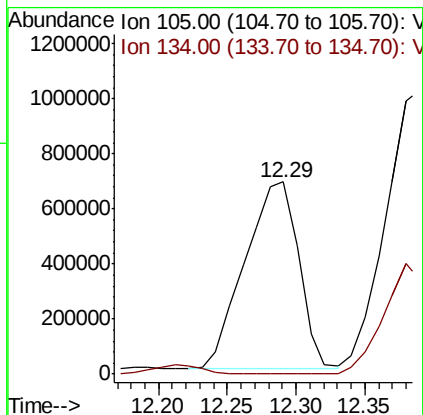
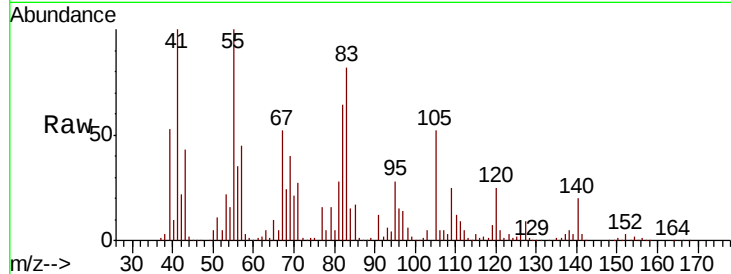




#85
 sec-Butylbenzene
 Concen: 623.370 ug/l
 RT: 12.29 min Scan# 1182
 Delta R.T. -0.03 min
 Lab File: VF060755.D
 Acq: 15 Nov 2018 19:14

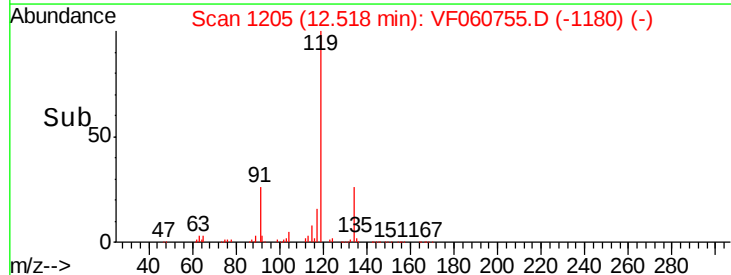
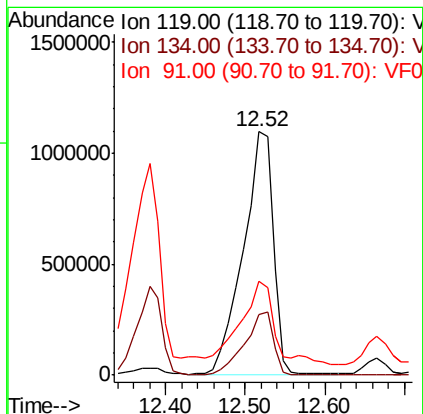
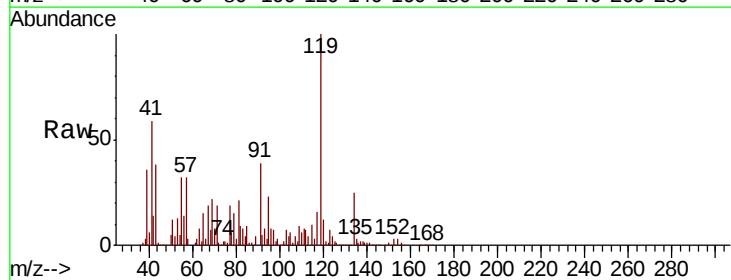
Instrument :
 MSVOA_F
 ClientSampleId :

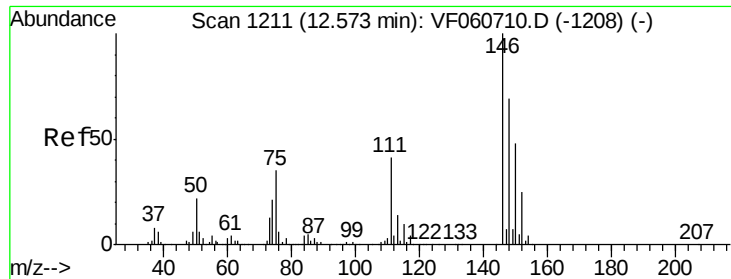
Tot Ion:105 Resp: 1846602
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.3#



#86
 p-Isopropyltoluene
 Concen: 1143.391 ug/l
 RT: 12.52 min Scan# 1205
 Delta R.T. 0.04 min
 Lab File: VF060755.D
 Acq: 15 Nov 2018 19:14

Tgt Ion:119 Resp: 2828848
 Ion Ratio Lower Upper
 119 100
 134 25.0 13.9 41.7
 91 38.6 11.3 33.9#

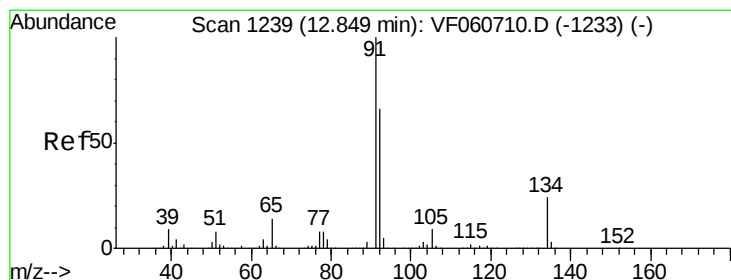
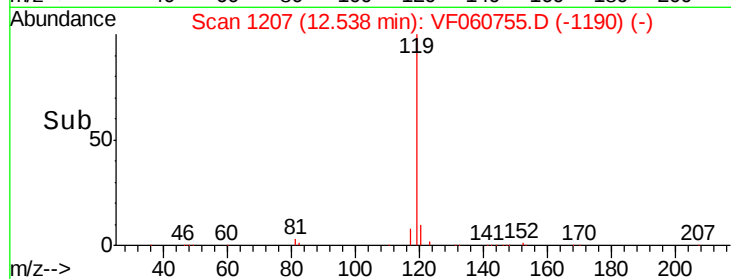
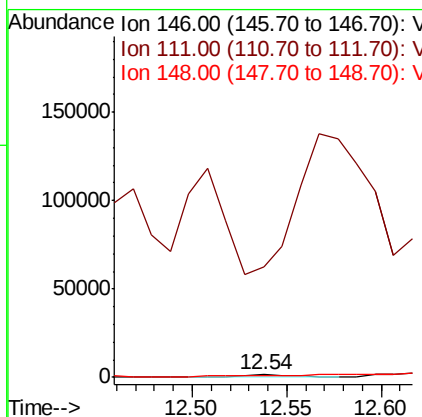
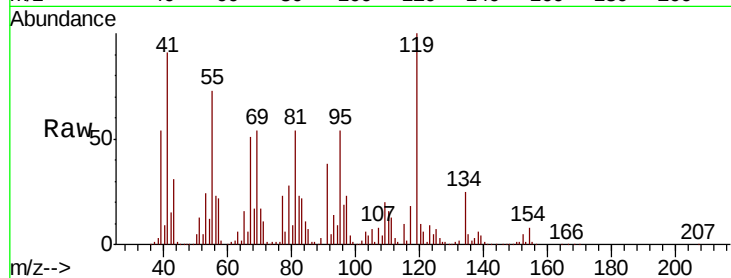




#88
 1,4-Dichlorobenzene
 Concen: 2.924 ug/l
 RT: 12.54 min Scan# 1207
 Delta R.T. -0.04 min
 Lab File: VF060755.D
 Acq: 15 Nov 2018 19:14

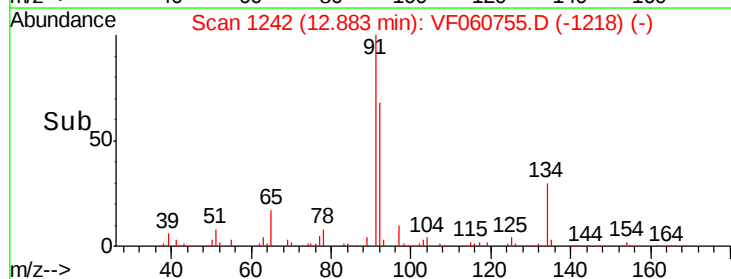
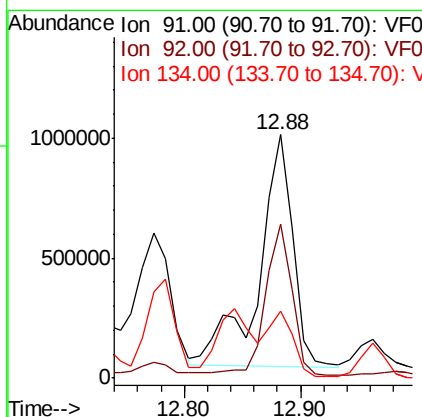
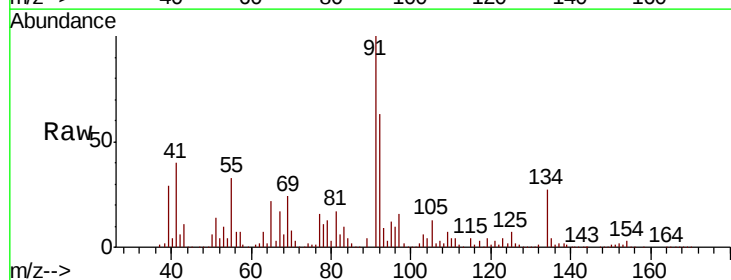
Instrument :
 MSVOA_F
 ClientSampled :

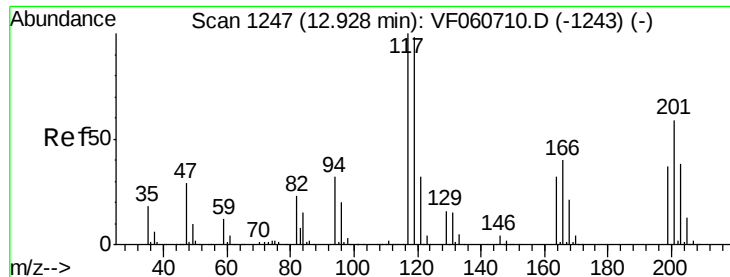
Tot Ion:146 Resp: 3016
 Ion Ratio Lower Upper
 146 100
 111 4693.9 20.6 61.9#
 148 90.4 34.7 104.1



#89
 n-Butylbenzene
 Concen: 780.611 ug/l
 RT: 12.88 min Scan# 1242
 Delta R.T. 0.03 min
 Lab File: VF060755.D
 Acq: 15 Nov 2018 19:14

Tgt Ion: 91 Resp: 1970926
 Ion Ratio Lower Upper
 91 100
 92 63.4 33.1 99.2
 134 27.4 11.9 35.9

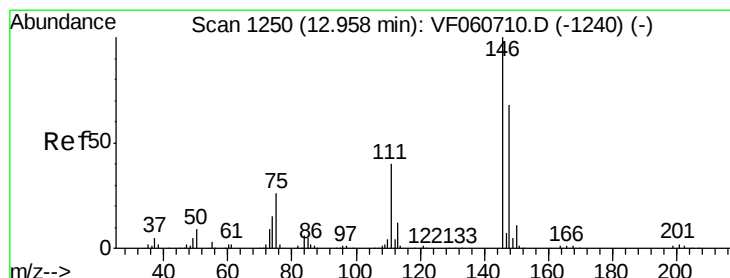
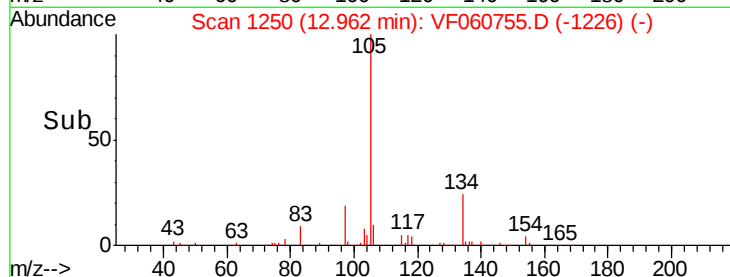
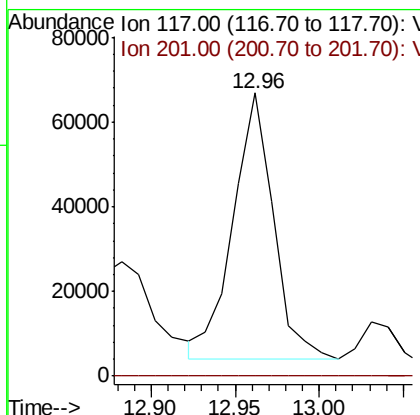
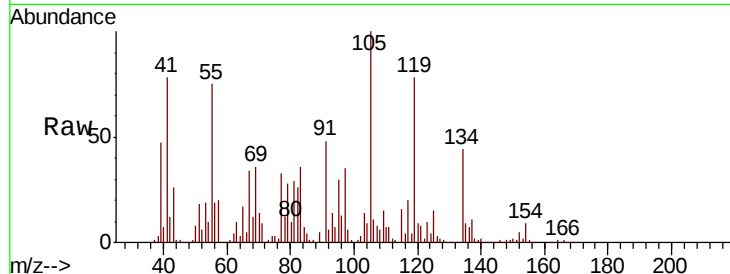




#90
Hexachloroethane
Concen: 173.022 ug/l
RT: 12.96 min Scan# 1250
Delta R.T. 0.03 min
Lab File: VF060755.D
Acq: 15 Nov 2018 19:14

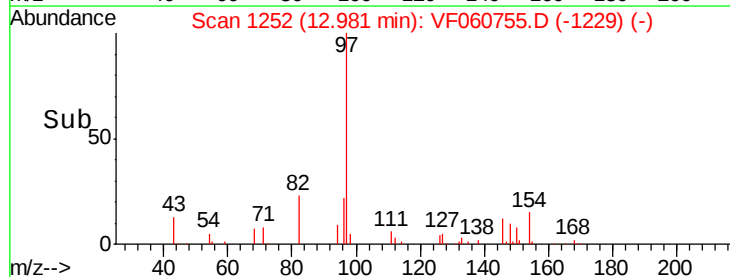
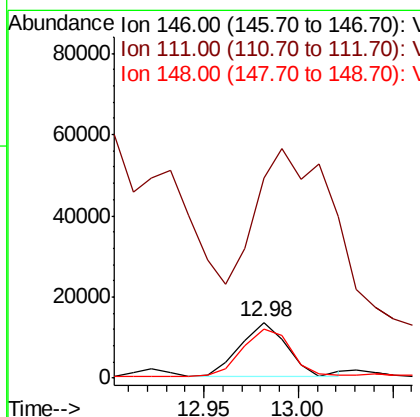
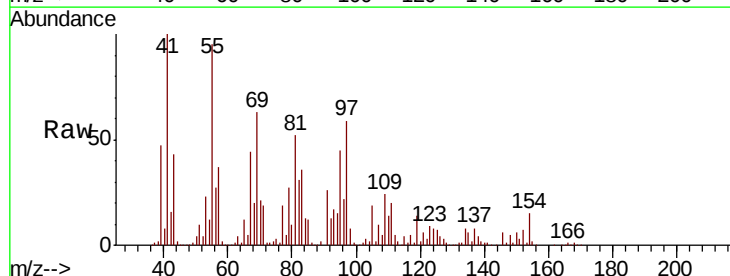
Instrument :
MSVOA_F
ClientSampleId :

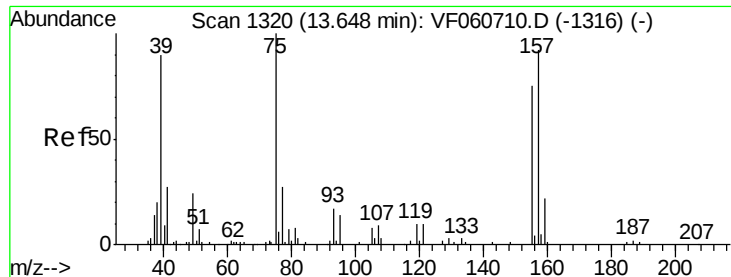
Tot Ion:117 Resp: 104702
Ion Ratio Lower Upper
117 100
201 0.0 29.4 88.3#



#91
1,2-Dichlorobenzene
Concen: 22.623 ug/l
RT: 12.98 min Scan# 1252
Delta R.T. 0.02 min
Lab File: VF060755.D
Acq: 15 Nov 2018 19:14

Tgt Ion:146 Resp: 22859
Ion Ratio Lower Upper
146 100
111 358.6 20.3 60.8#
148 88.8 34.1 102.3





#92

1,2-Dibromo-3-Chloropropane

Concen: 28.149 ug/l

RT: 13.65 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VF060755.D

Acq: 15 Nov 2018 19:14

Instrument :

MSVOA_F

ClientSampleId :

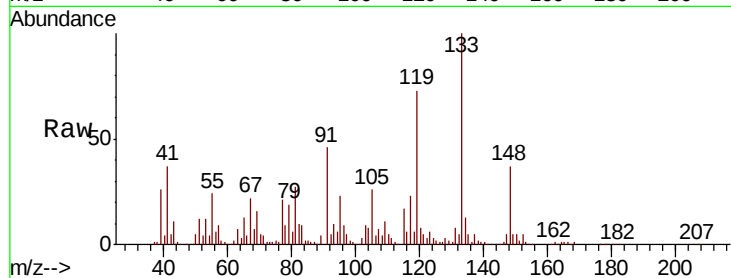
Tot Ion: 75 Resp: 2266

Ion Ratio Lower Upper

75 100

155 6.1 37.4 112.2#

157 0.0 46.0 138.0#

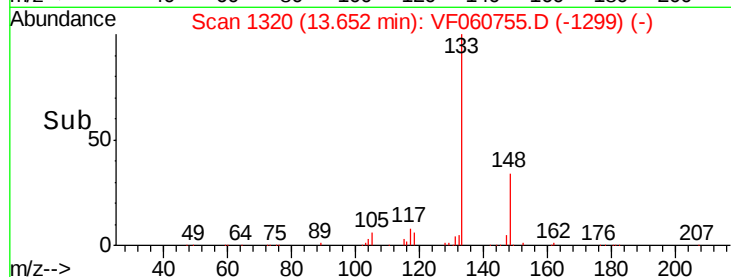


Abundance Ion 75.00 (74.70 to 75.70): VF0

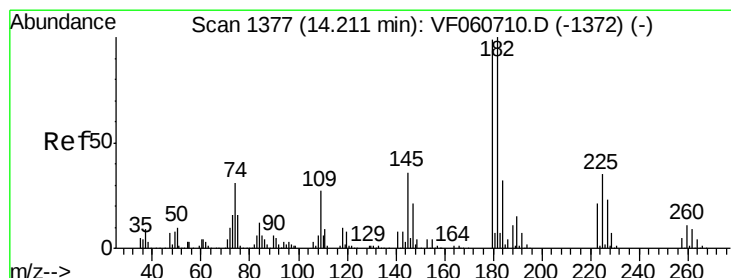
Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

Time-->



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 1.187 ug/l

RT: 14.19 min Scan# 1375

Delta R.T. -0.02 min

Lab File: VF060755.D

Acq: 15 Nov 2018 19:14

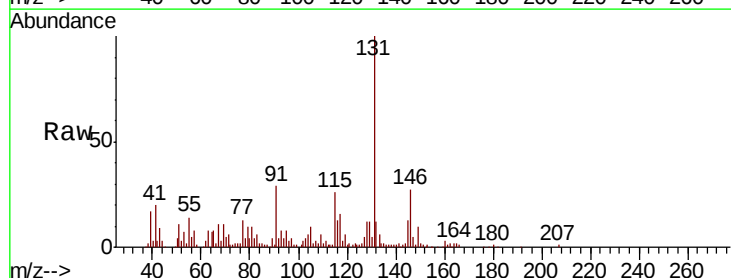
Tgt Ion: 180 Resp: 862

Ion Ratio Lower Upper

180 100

182 26.3 50.3 151.0#

145 1602.2 18.3 54.9#

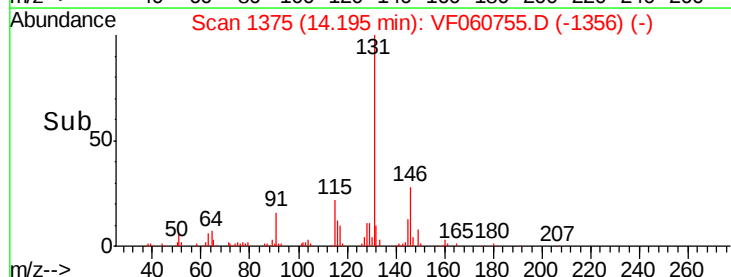


Abundance Ion 180.00 (179.70 to 180.70): V

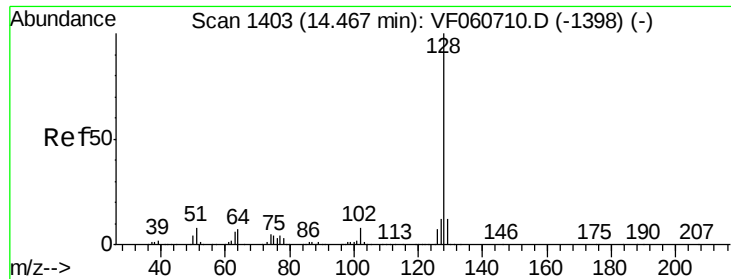
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

Time-->



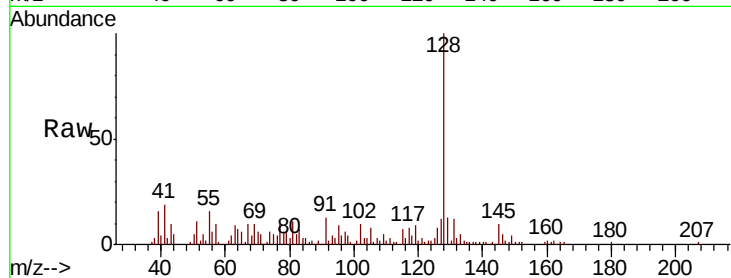
Time-->



#95
 Naphthalene
 Concen: 32.866 ug/l
 RT: 14.46 min Scan# 1402
 Delta R.T. -0.01 min
 Lab File: VF060755.D
 Acq: 15 Nov 2018 19:14

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.8	14.6
129	12.7	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

