

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100518\
 Data File : VF060474.D
 Acq On : 6 Oct 2018 00:14
 Operator : VA/AP
 Sample : J5084-19
 Misc : 7.02/5mL/MSVOA F/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 B-1A(12.5-13)

Quant Time: Oct 06 04:40:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	355826	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.75	114	630292	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	508240	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	245448	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	177564	31.89	ug/l	0.00
Spiked Amount			Recovery	=	63.78%	
35) Dibromofluoromethane	4.28	113	188500	31.83	ug/l	0.01
Spiked Amount			Recovery	=	63.66%	
50) Toluene-d8	7.69	98	426755	29.26	ug/l	0.00
Spiked Amount			Recovery	=	58.52%	
62) 4-Bromofluorobenzene	11.49	95	184504	27.71	ug/l	0.00
Spiked Amount			Recovery	=	55.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	456	Below Cal	#	43
3) Chloromethane	1.14	50	5264	1.089	ug/l #	58
11) Tert butyl alcohol	2.66	59	502	1.491	ug/l #	1
13) Acrolein	2.08	56	4221	15.585	ug/l #	1
14) Allyl chloride	2.27	41	24009	3.472	ug/l #	33
15) Acrylonitrile	3.04	53	3884	6.730	ug/l #	38
16) Acetone	2.32	43	26622	Below Cal	#	76
18) Methyl Acetate	2.47	43	20738	8.432	ug/l #	57
20) Methylene Chloride	2.27	84	10745	Below Cal	#	82
25) 2-Butanone	4.50	43	6499	4.508	ug/l	99
29) Tetrahydrofuran	4.29	42	826	Below Cal	#	34
31) Cyclohexane	3.89	56	21869	3.588	ug/l #	61
37) Ethyl Acetate	4.17	43	26906	9.042	ug/l #	1
39) Methylcyclohexane	5.61	83	22053	2.895	ug/l #	87
40) Benzene	4.79	78	141538	9.175	ug/l	97
41) Methacrylonitrile	4.91	41	3732	2.365	ug/l #	37
48) Methyl methacrylate	6.80	41	2882	1.116	ug/l #	65
49) 1,4-Dioxane	6.82	88	180	8.087	ug/l #	1
51) 4-Methyl-2-Pentanone	8.41	43	6285	2.455	ug/l #	49
52) Toluene	7.76	92	953950	91.041	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.76	63	149570	387.982	ug/l	100
59) 2-Hexanone	9.62	43	4971	2.647	ug/l #	50
67) Ethyl Benzene	10.02	91	768061	38.691	ug/l	98
68) m/p-Xylenes	10.25	106	1139098	166.924	ug/l	83
69) o-Xylene	10.81	106	618508	83.152	ug/l	93
70) Styrene	10.81	104	31065	2.936	ug/l #	1
73) Isopropylbenzene	11.22	105	77887	4.030	ug/l	96
76) 1,2,3-Trichloropropane	11.90	75	6712	2.588	ug/l #	1
78) n-propylbenzene	11.67	91	242244	10.340	ug/l	96
79) 2-Chlorotoluene	11.79	91	190220	13.880	ug/l #	46
80) 1,3,5-Trimethylbenzene	11.90	105	549027	33.437	ug/l	97
82) 4-Chlorotoluene	11.90	91	60201	4.293	ug/l #	43
83) tert-Butylbenzene	12.28	119	225096	13.899	ug/l #	71
84) 1,2,4-Trimethylbenzene	12.28	105	1831309	112.463	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100518\
 Data File : VF060474.D
 Acq On : 6 Oct 2018 00:14
 Operator : VA/AP
 Sample : J5084-19
 Misc : 7.02/5mL/MSVOA F/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 B-1A(12.5-13)

Quant Time: Oct 06 04:40:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

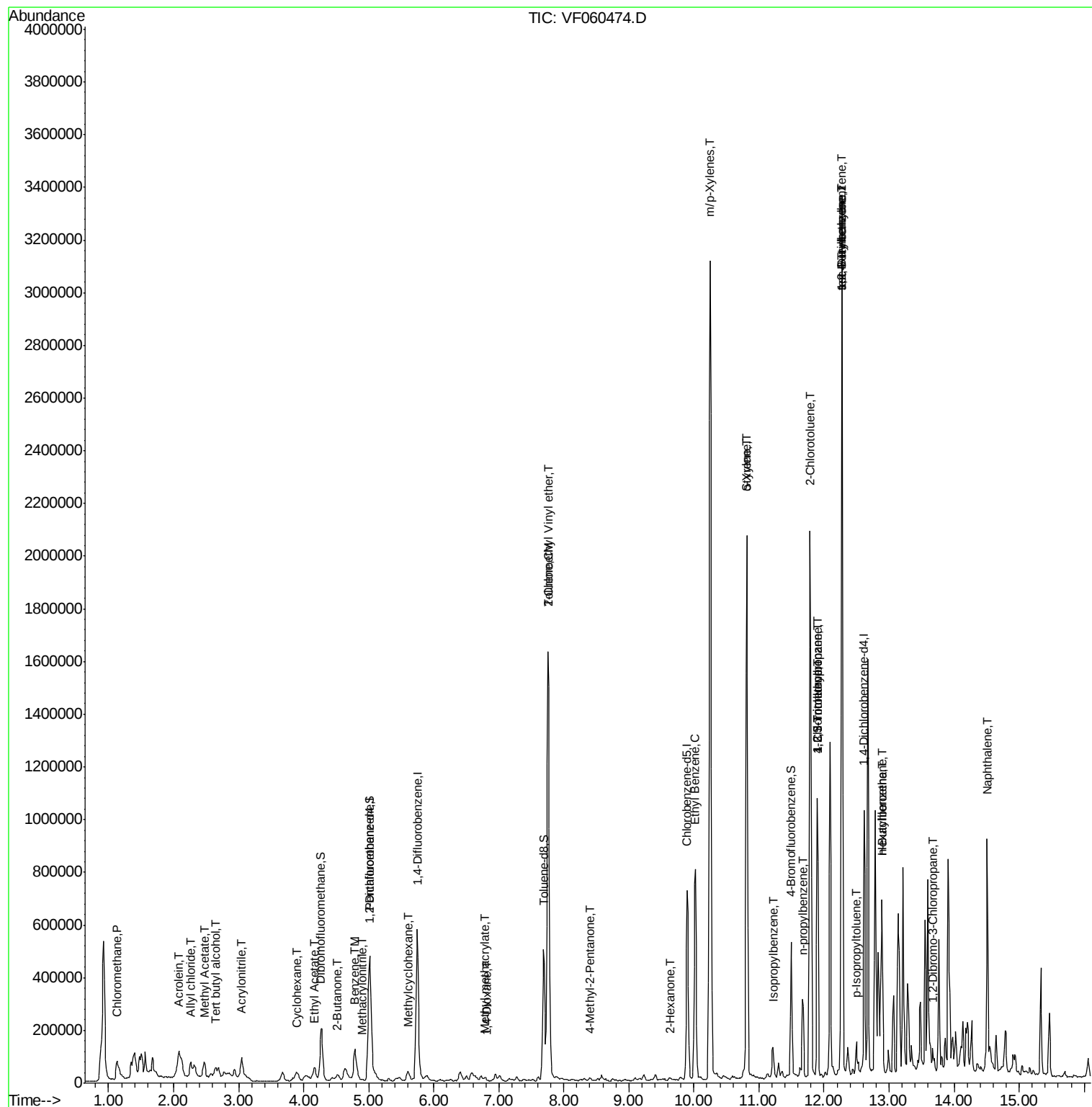
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	12.28	105	1831309	81.923	ug/l #	58
86) p-Isopropyltoluene	12.50	119	78150	4.279	ug/l	98
89) n-Butylbenzene	12.90	91	131982	6.830	ug/l #	52
90) Hexachloroethane	12.89	117	24498	5.190	ug/l #	27
92) 1,2-Dibromo-3-Chloropropan	13.67	75	1450	2.123	ug/l #	1
95) Naphthalene	14.51	128	588090	56.498	ug/l	100

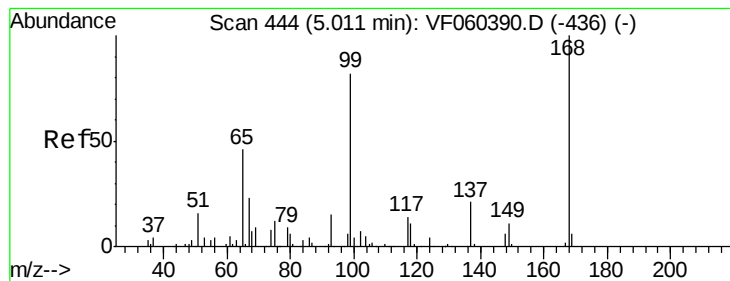
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF100518\
Data File : VF060474.D
Acq On : 6 Oct 2018 00:14
Operator : VA/AP
Sample : J5084-19
Misc : 7.02/5mL/MSVOA F/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
B-1A(12.5-13)

Quant Time: Oct 06 04:40:30 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 11:42:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 446

Delta R.T. 0.01 min

Lab File: VF060474.D

Acq: 6 Oct 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

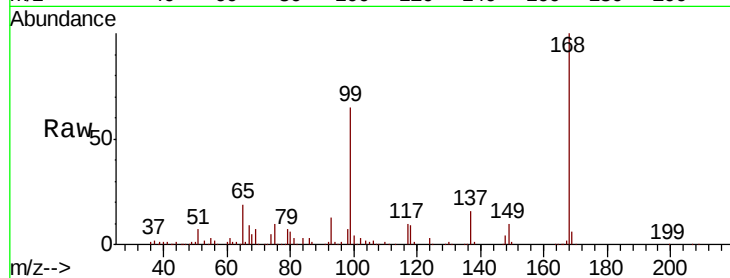
B-1A(12.5-13)

Tot Ion:168 Resp: 355826

Ion Ratio Lower Upper

168 100

99 65.2 65.3 97.9#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

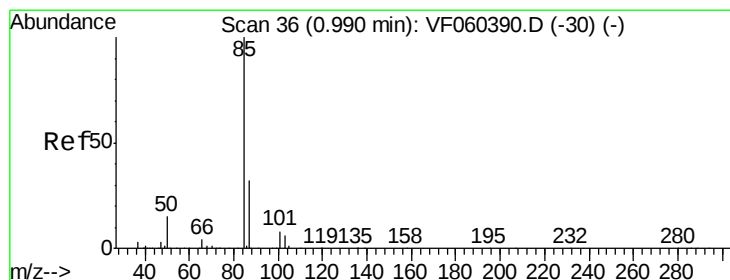
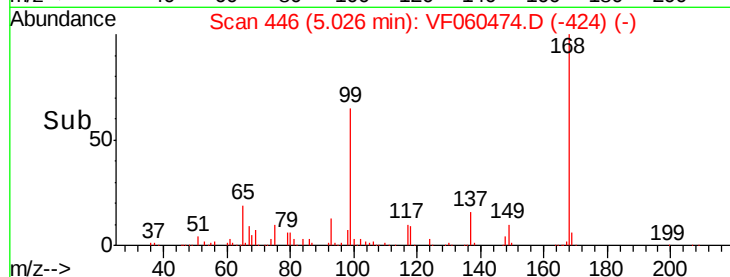
5.03

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.99 min Scan# 37

Delta R.T. 0.01 min

Lab File: VF060474.D

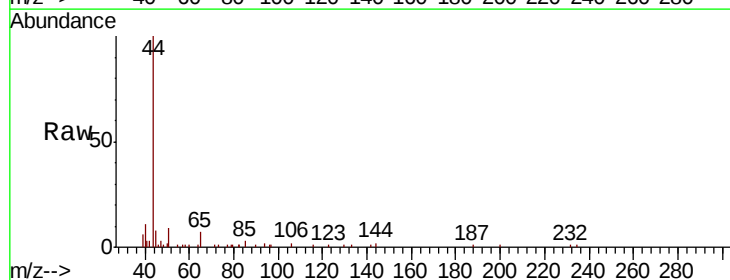
Acq: 6 Oct 2018 00:14

Tgt Ion: 85 Resp: 456

Ion Ratio Lower Upper

85 100

87 0.0 15.9 47.6#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

400

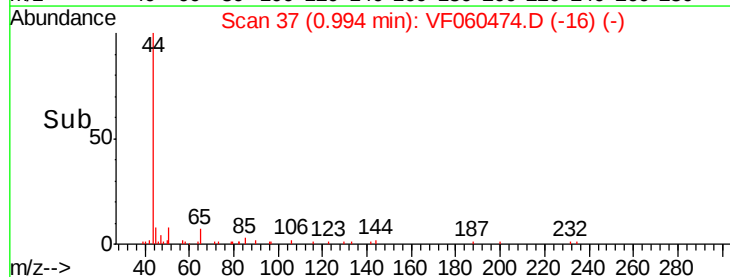
300

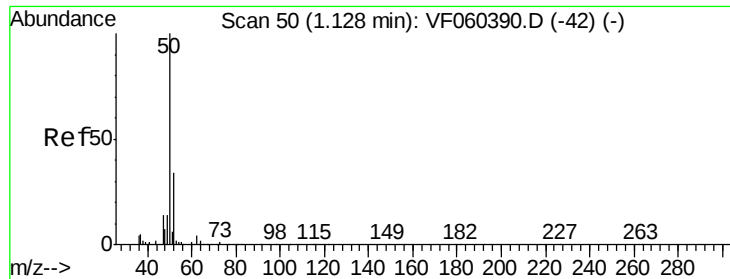
200

100

0

Time-->





#3

Chloromethane

Concen: 1.089 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF060474.D

Acq: 6 Oct 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

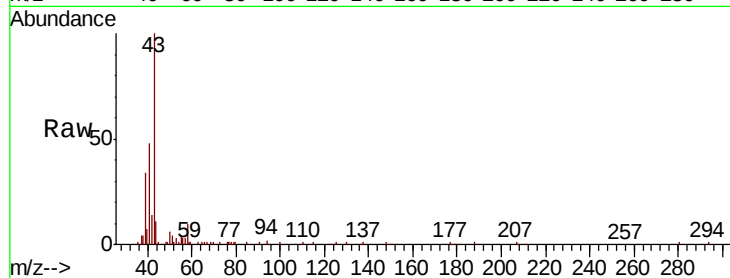
B-1A(12.5-13)

Tot Ion: 50 Resp: 5264

Ion Ratio Lower Upper

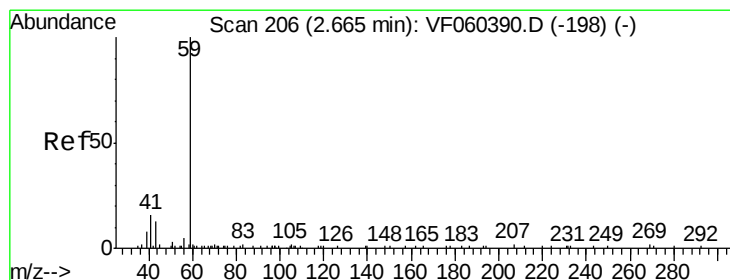
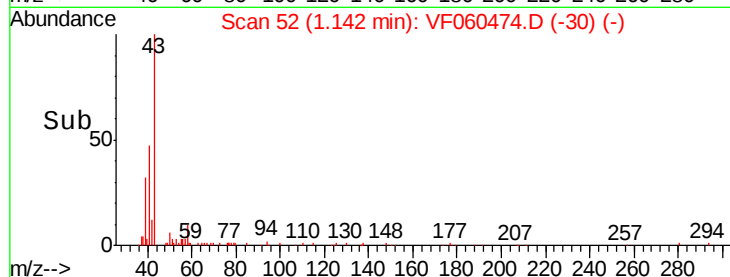
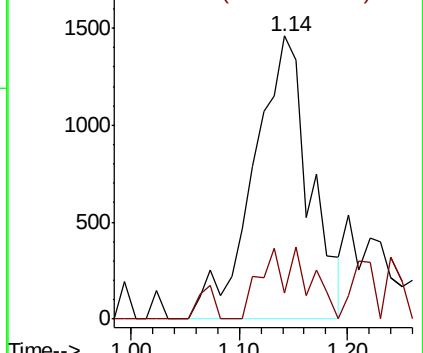
50 100

52 9.4 26.9 40.3#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#11

Tert butyl alcohol

Concen: 1.491 ug/l

RT: 2.66 min Scan# 206

Delta R.T. -0.01 min

Lab File: VF060474.D

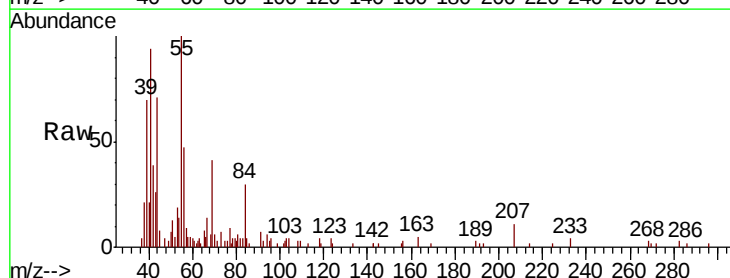
Acq: 6 Oct 2018 00:14

Tgt Ion: 59 Resp: 502

Ion Ratio Lower Upper

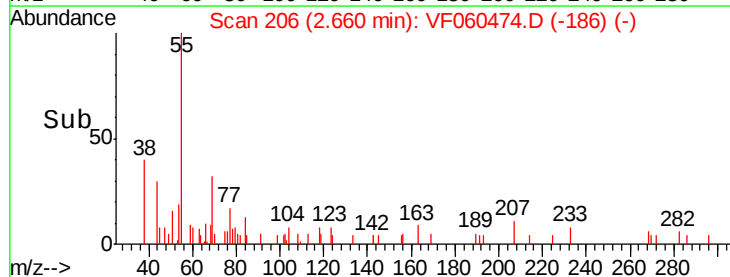
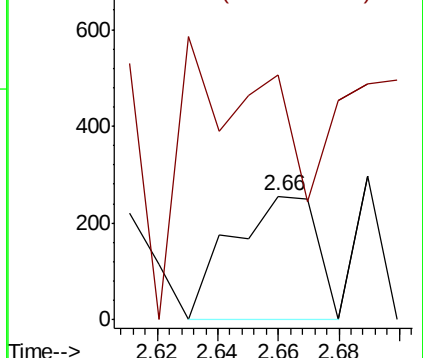
59 100

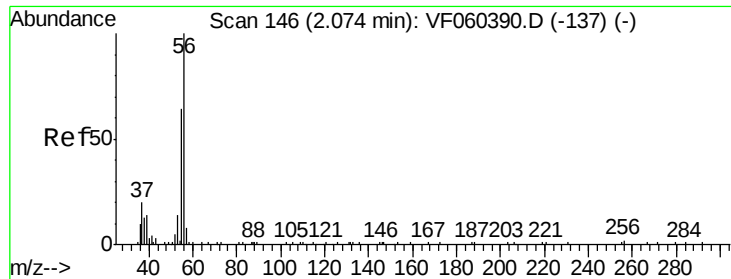
57 197.3 6.5 9.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

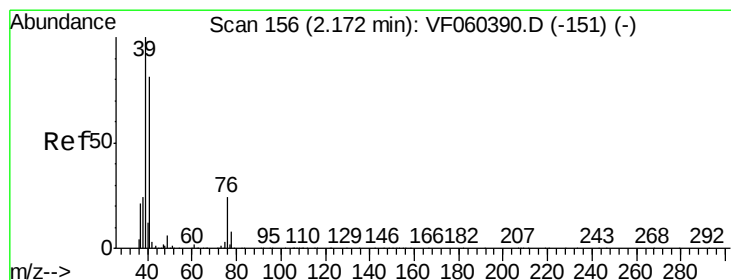
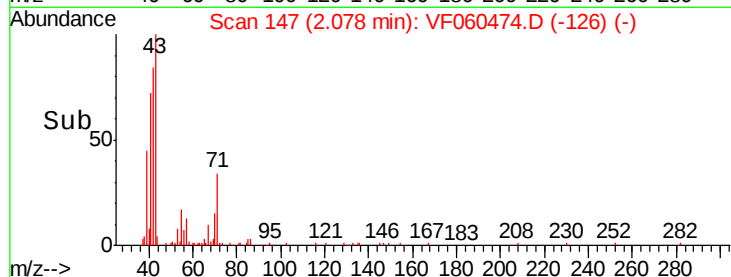
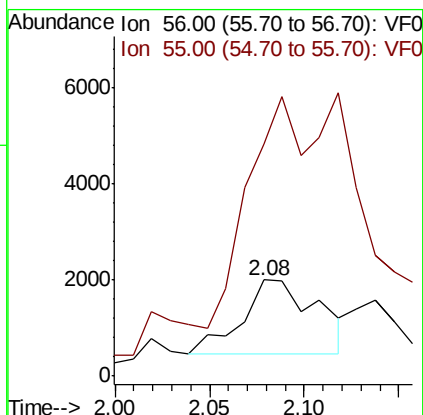
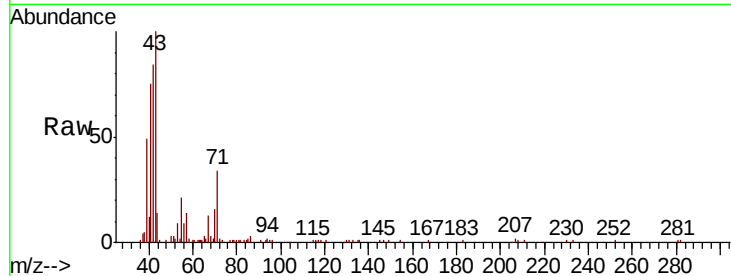




#13
Acrolein
Concen: 15.585 ug/l
RT: 2.08 min Scan# 147
Delta R.T. 0.00 min
Lab File: VF060474.D
Acq: 6 Oct 2018 00:14

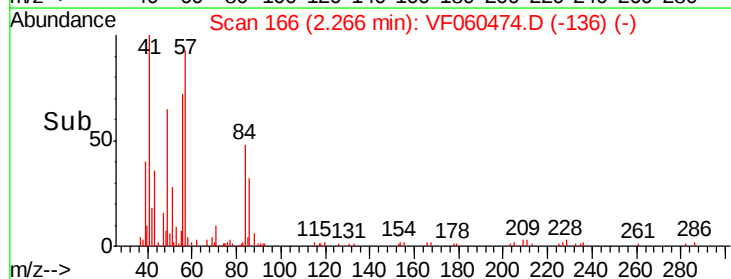
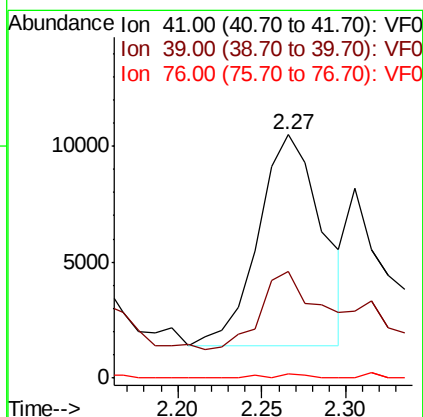
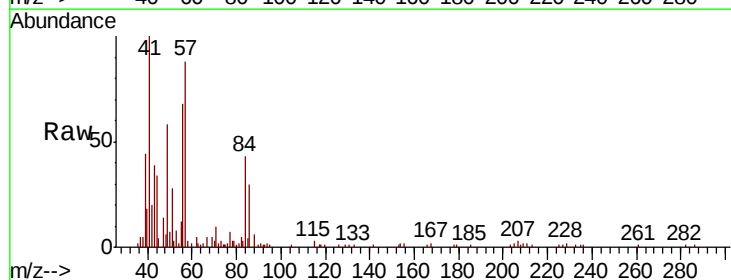
Instrument :
MSVOA_F
ClientSampleId :
B-1A(12.5-13)

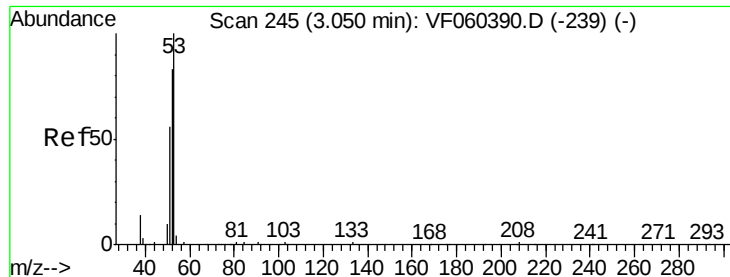
Tot Ion: 56 Resp: 4221
Ion Ratio Lower Upper
56 100
55 241.8 53.9 80.9#



#14
Allyl chloride
Concen: 3.472 ug/l
RT: 2.27 min Scan# 166
Delta R.T. 0.09 min
Lab File: VF060474.D
Acq: 6 Oct 2018 00:14

Tgt Ion: 41 Resp: 24009
Ion Ratio Lower Upper
41 100
39 43.6 98.3 147.5#
76 1.6 23.9 35.9#





#15

Acrylonitrile

Concen: 6.730 ug/l

RT: 3.04 min Scan# 245

Delta R.T. -0.01 min

Lab File: VF060474.D

Acq: 6 Oct 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

B-1A(12.5-13)

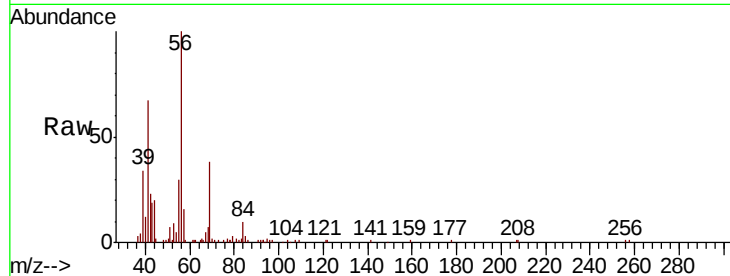
Tot Ion: 53 Resp: 3884

Ion Ratio Lower Upper

53 100

52 14.5 66.0 99.0#

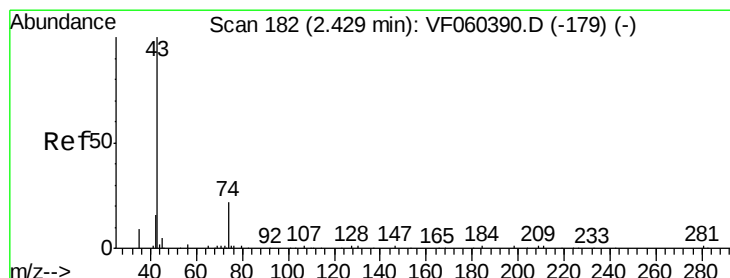
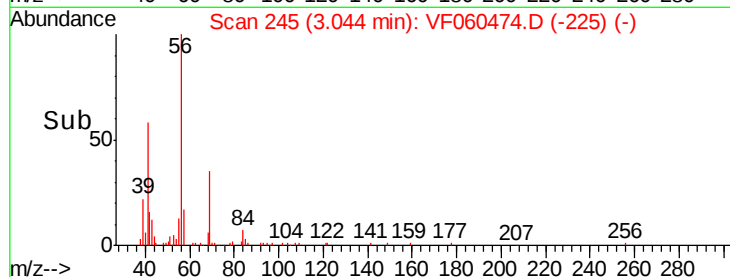
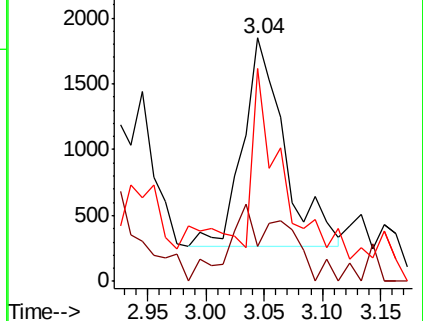
51 87.3 45.6 68.4#



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



#18

Methyl Acetate

Concen: 8.432 ug/l

RT: 2.47 min Scan# 187

Delta R.T. 0.04 min

Lab File: VF060474.D

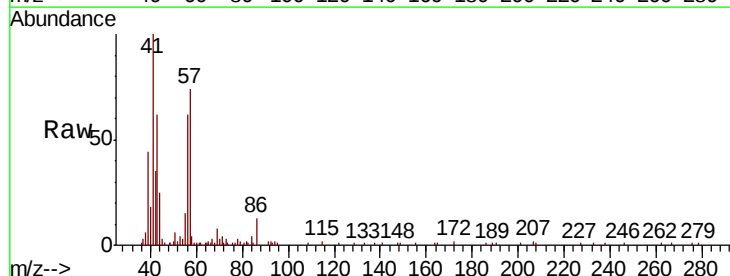
Acq: 6 Oct 2018 00:14

Tgt Ion: 43 Resp: 20738

Ion Ratio Lower Upper

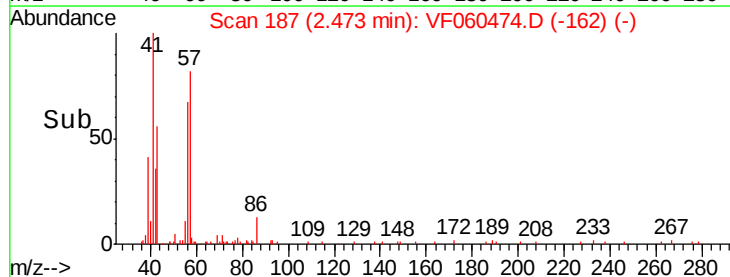
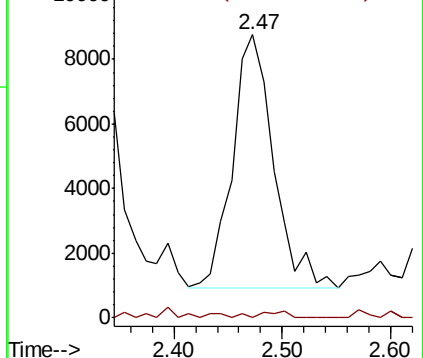
43 100

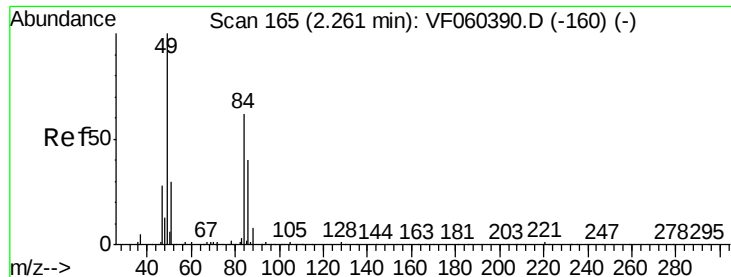
74 0.0 15.8 23.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

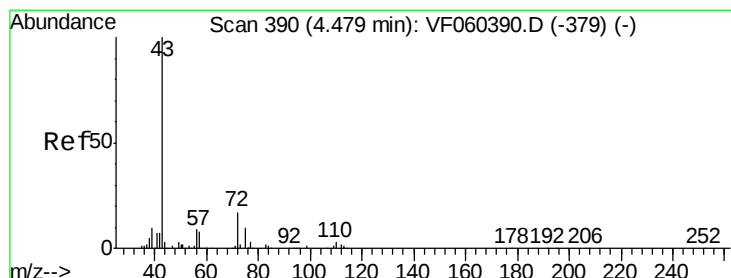
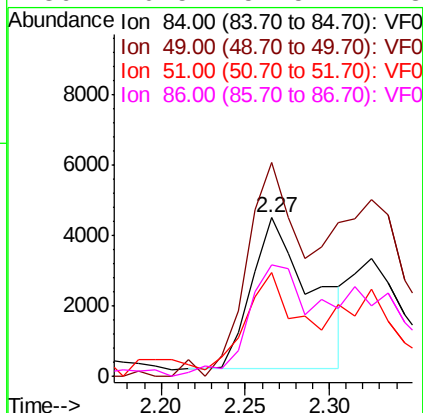
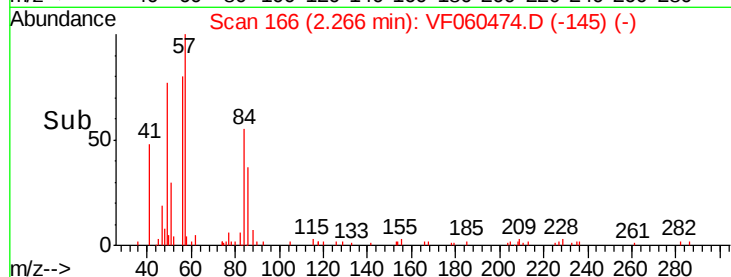
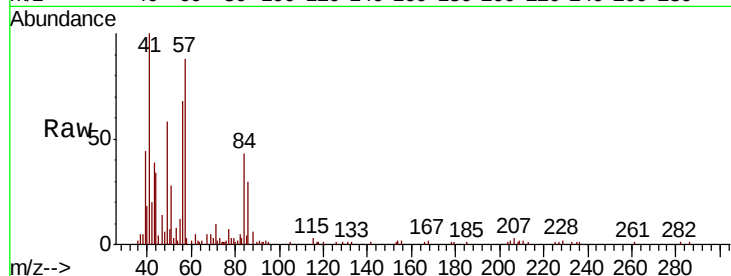




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.27 min Scan# 166
Delta R.T. 0.00 min
Lab File: VF060474.D
Acq: 6 Oct 2018 00:14

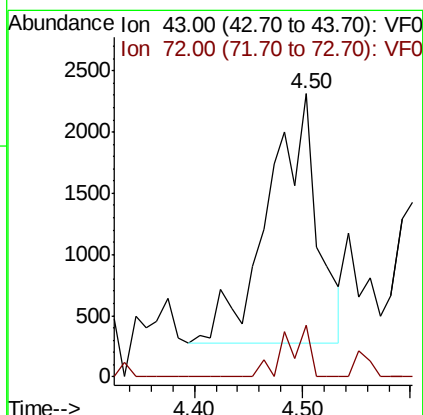
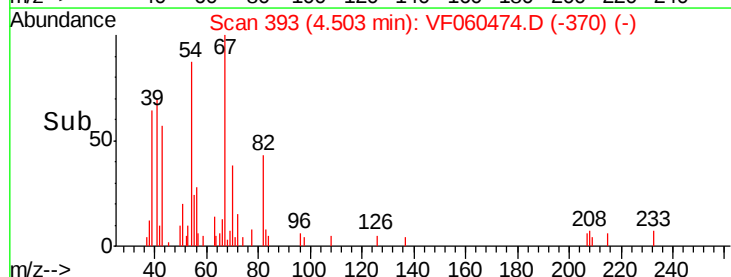
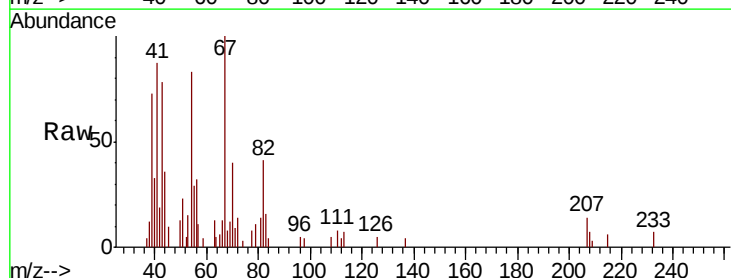
Instrument :
MSVOA_F
ClientSampleId :
B-1A(12.5-13)

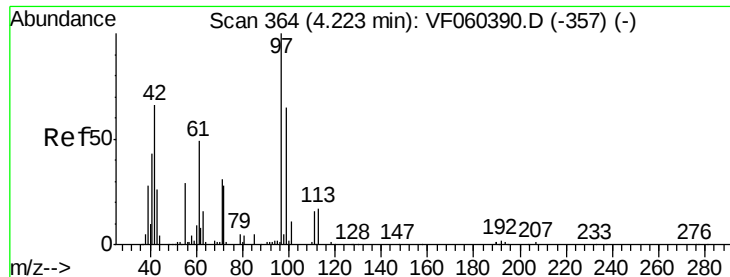
Tot Ion: 84 Resp: 10745
Ion Ratio Lower Upper
84 100
49 134.9 130.2 195.2
51 65.2 41.0 61.6#
86 70.5 51.5 77.3



#25
2-Butanone
Concen: 4.508 ug/l
RT: 4.50 min Scan# 393
Delta R.T. 0.02 min
Lab File: VF060474.D
Acq: 6 Oct 2018 00:14

Tgt Ion: 43 Resp: 6499
Ion Ratio Lower Upper
43 100
72 18.2 14.1 21.1





#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.29 min Scan# 371

Delta R.T. 0.06 min

Lab File: VF060474.D

Acq: 6 Oct 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

B-1A(12.5-13)

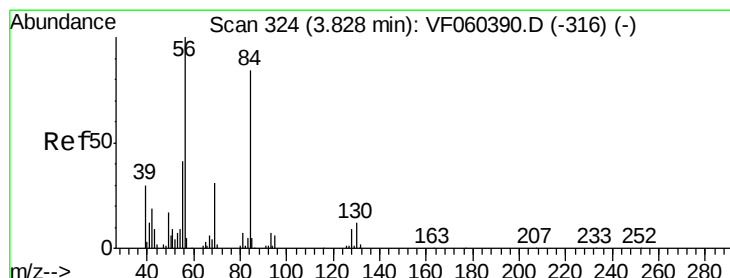
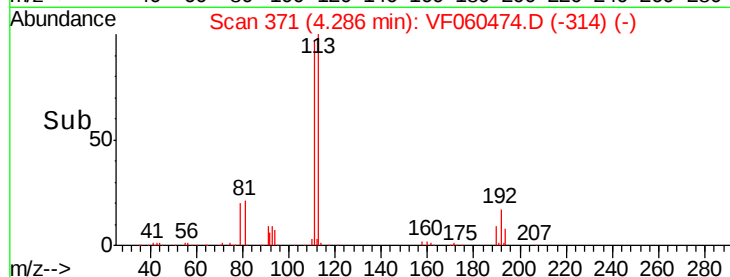
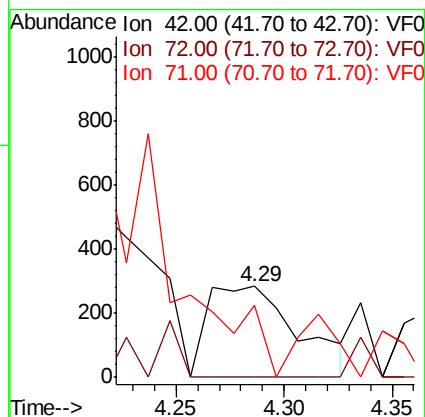
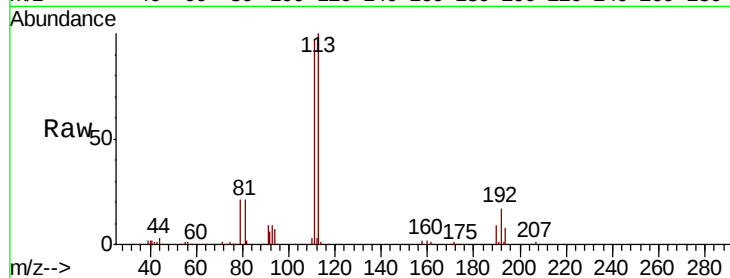
Tot Ion: 42 Resp: 826

Ion Ratio Lower Upper

42 100

72 0.0 33.6 50.4#

71 0.0 32.7 49.1#



#31

Cyclohexane

Concen: 3.588 ug/l

RT: 3.89 min Scan# 331

Delta R.T. 0.06 min

Lab File: VF060474.D

Acq: 6 Oct 2018 00:14

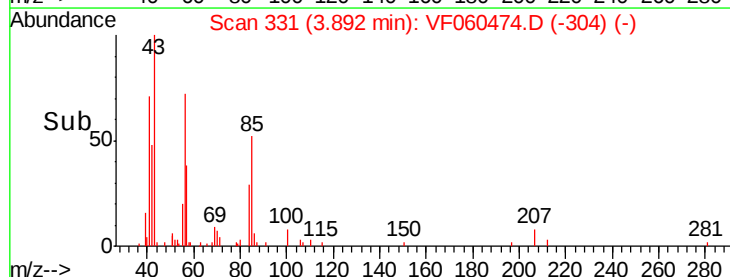
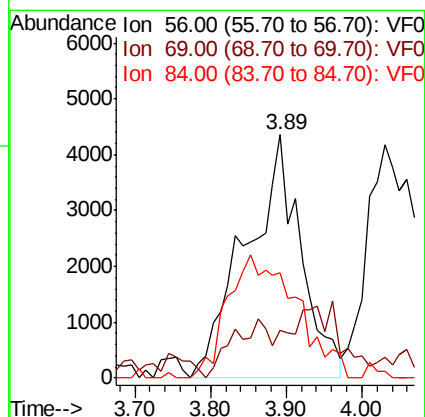
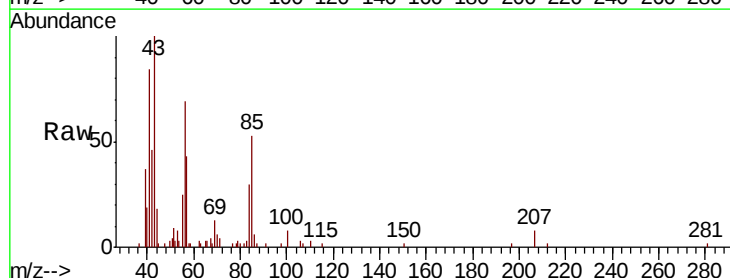
Tgt Ion: 56 Resp: 21869

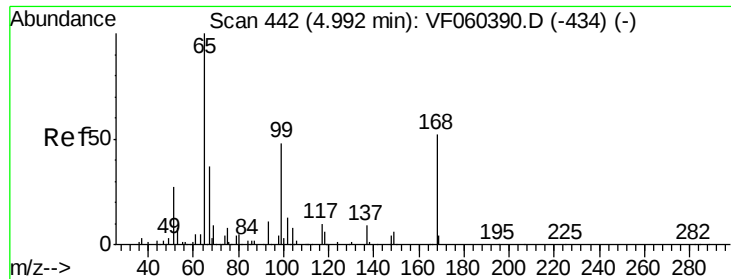
Ion Ratio Lower Upper

56 100

69 19.5 25.5 38.3#

84 43.4 67.4 101.0#

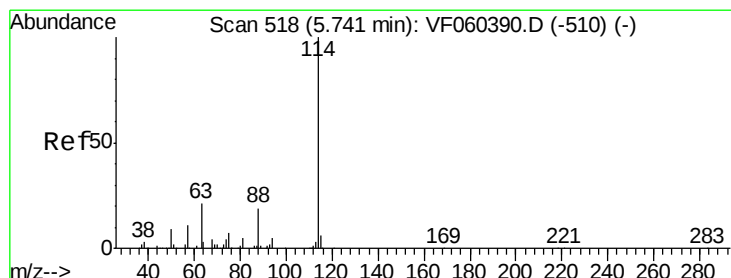
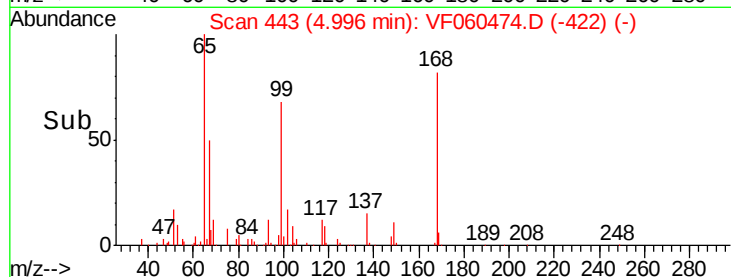
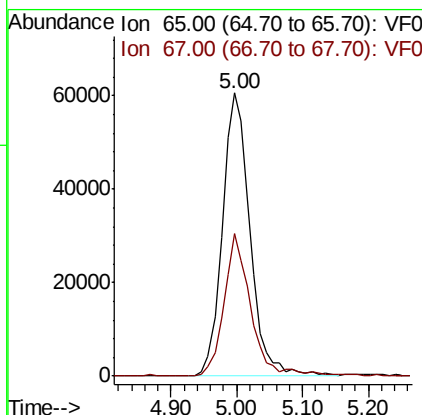
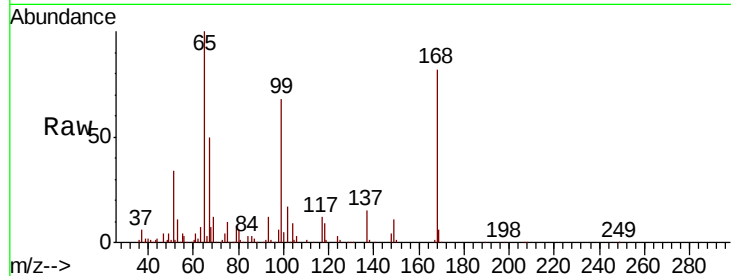




#33
 1,2-Dichloroethane-d4
 Concen: 31.891 ug/l
 RT: 5.00 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VF060474.D
 Acq: 6 Oct 2018 00:14

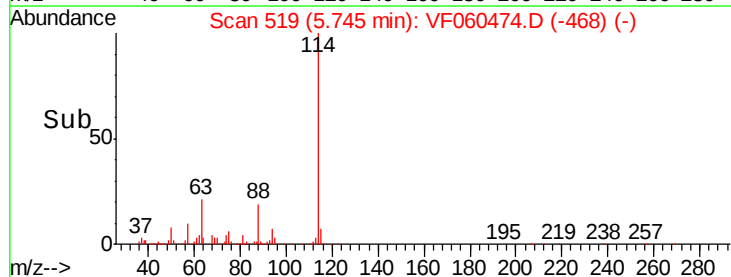
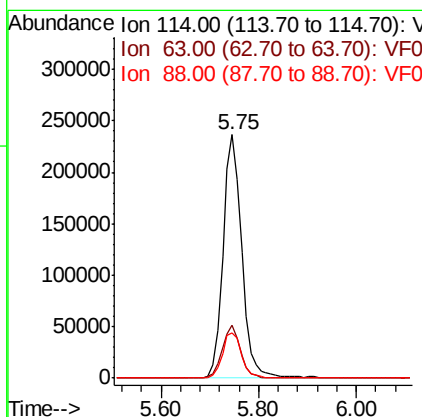
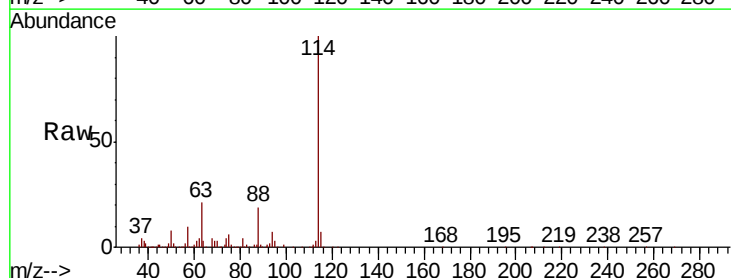
Instrument :
 MSVOA_F
 ClientSampleId :
 B-1A(12.5-13)

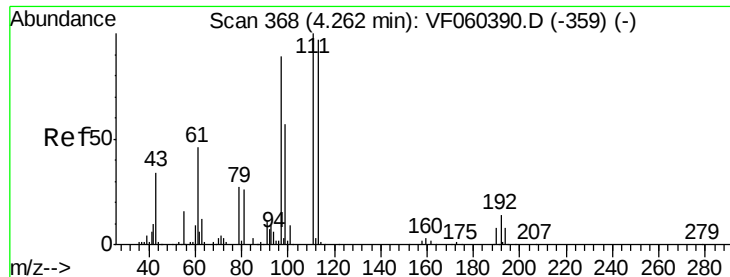
Tot Ion: 65 Resp: 177564
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 89.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 519
 Delta R.T. 0.00 min
 Lab File: VF060474.D
 Acq: 6 Oct 2018 00:14

Tgt Ion:114 Resp: 630292
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 42.2
 88 18.8 0.0 38.8





#35

Dibromofluoromethane

Concen: 31.835 ug/l

RT: 4.28 min Scan# 370

Delta R.T. 0.01 min

Lab File: VF060474.D

Acq: 6 Oct 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

B-1A(12.5-13)

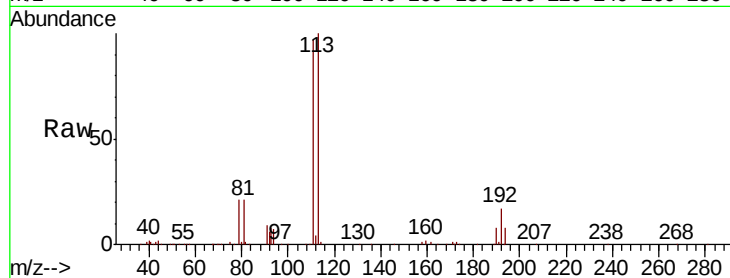
Tot Ion:113 Resp: 188500

Ion Ratio Lower Upper

113 100

111 97.1 82.3 123.5

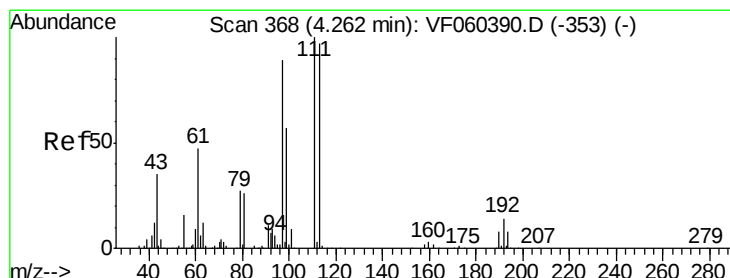
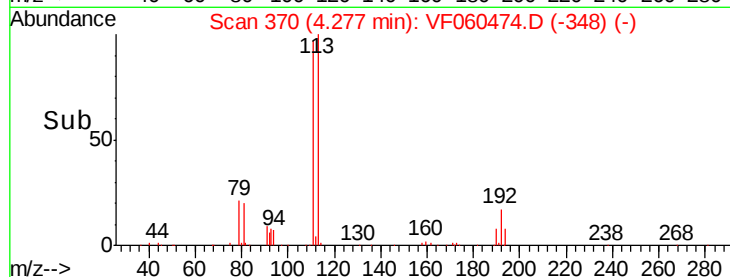
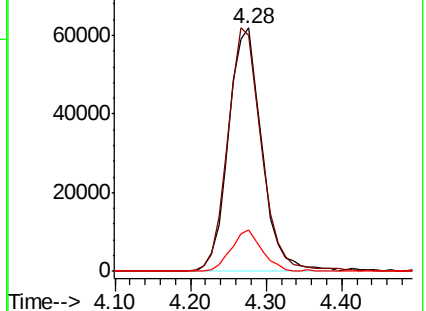
192 17.0 11.8 17.6



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



#37

Ethyl Acetate

Concen: 9.042 ug/l

RT: 4.17 min Scan# 359

Delta R.T. -0.09 min

Lab File: VF060474.D

Acq: 6 Oct 2018 00:14

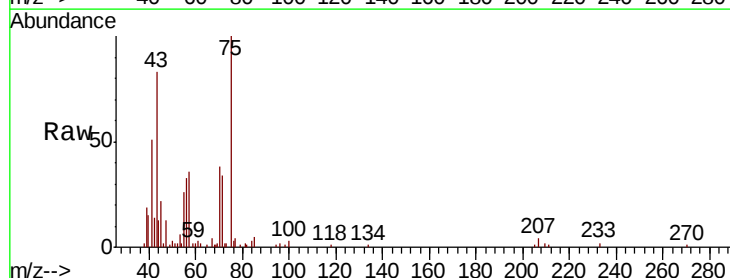
Tgt Ion: 43 Resp: 26906

Ion Ratio Lower Upper

43 100

61 3.5 105.1 157.7#

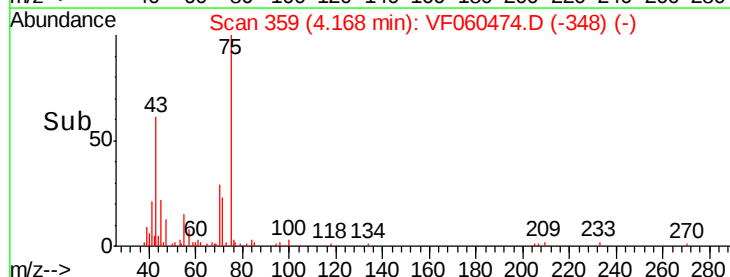
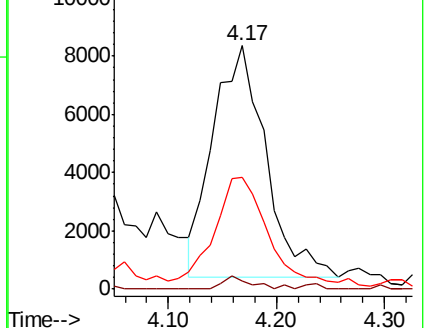
70 46.1 8.0 12.0#

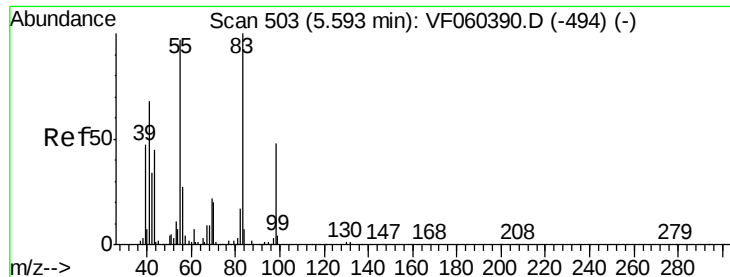


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

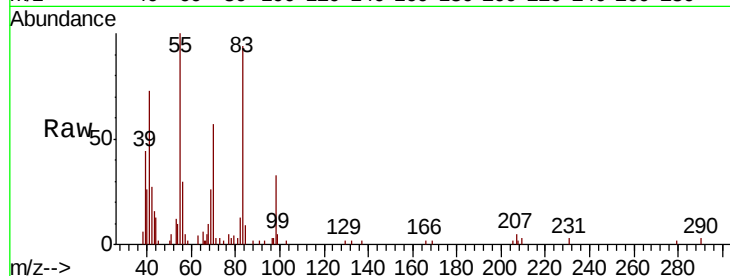




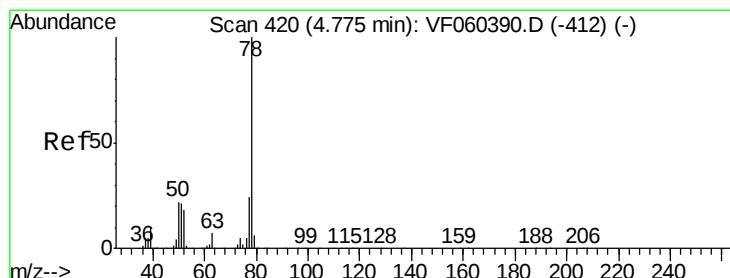
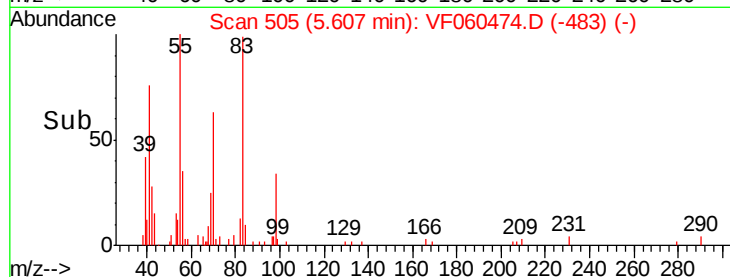
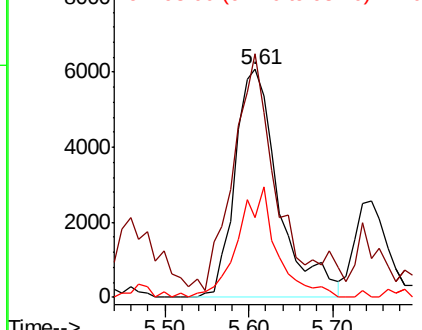
#39
Methvlcvclohexane
Concen: 2.895 ug/l
RT: 5.61 min Scan# 505
Delta R.T. 0.01 min
Lab File: VF060474.D
Acq: 6 Oct 2018 00:14

Instrument :
MSVOA_F
ClientSampleId :
B-1A(12.5-13)

Tot Ion: 83 Resp: 22053
Ion Ratio Lower Upper
83 100
55 106.9 77.5 116.3
98 35.0 38.7 58.1#

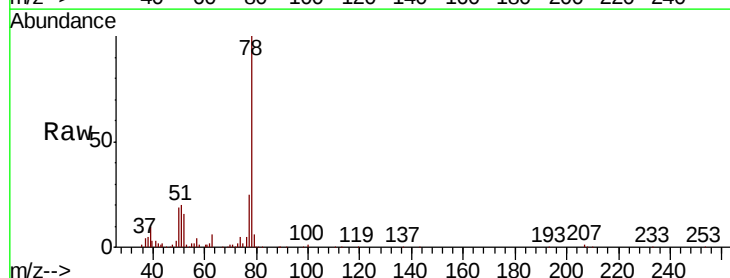


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

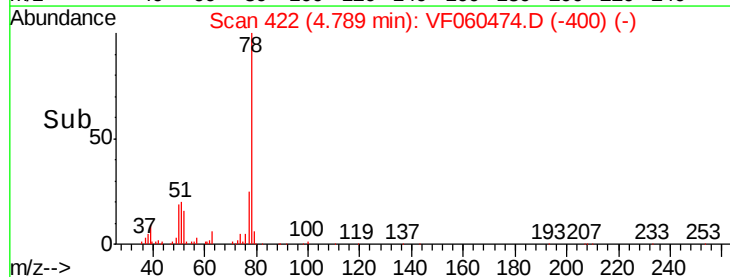
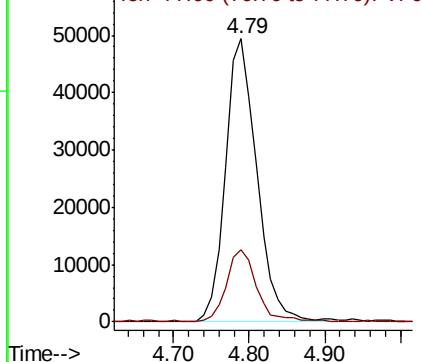


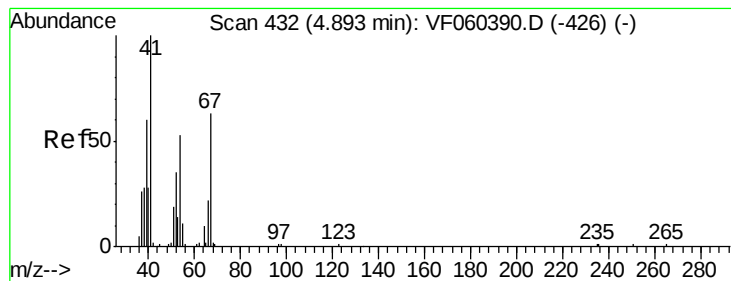
#40
Benzene
Concen: 9.175 ug/l
RT: 4.79 min Scan# 422
Delta R.T. 0.01 min
Lab File: VF060474.D
Acq: 6 Oct 2018 00:14

Tgt Ion: 78 Resp: 141538
Ion Ratio Lower Upper
78 100
77 25.3 19.2 28.8



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 2.365 ug/l

RT: 4.91 min Scan# 434

Delta R.T. 0.01 min

Lab File: VF060474.D

Acq: 6 Oct 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

B-1A(12.5-13)

Tot Ion: 41 Resp: 3732

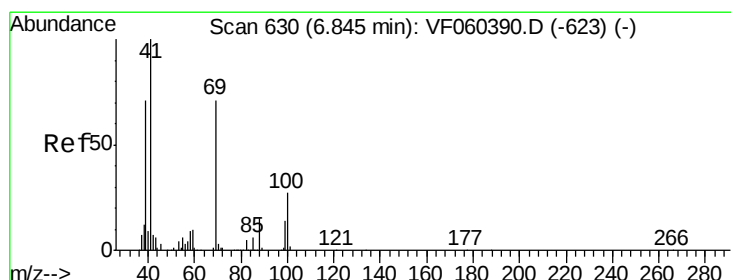
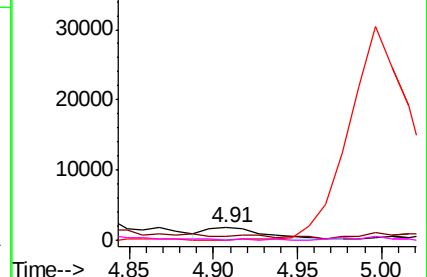
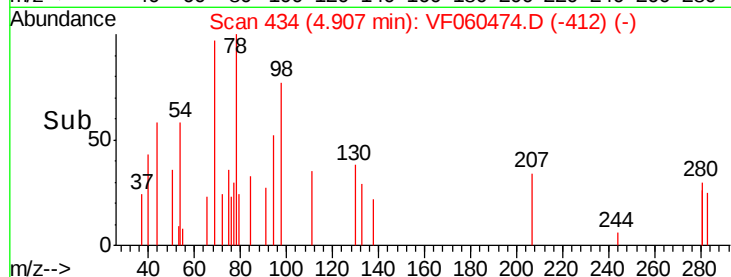
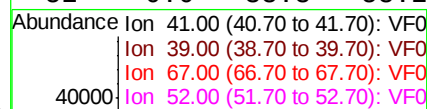
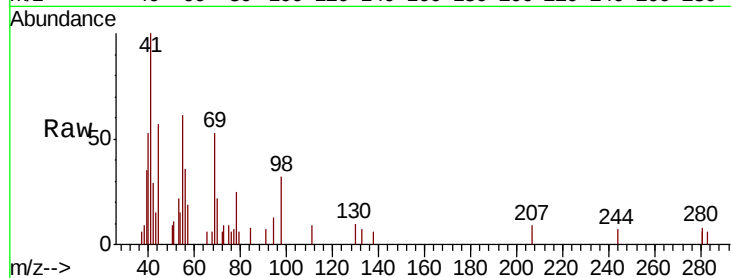
Ion Ratio Lower Upper

41 100

39 34.7 55.0 82.4#

67 0.0 49.6 74.4#

52 0.0 38.8 58.2#



#48

Methyl methacrylate

Concen: 1.116 ug/l

RT: 6.80 min Scan# 626

Delta R.T. -0.04 min

Lab File: VF060474.D

Acq: 6 Oct 2018 00:14

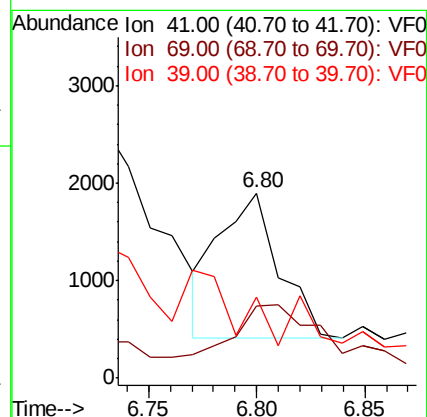
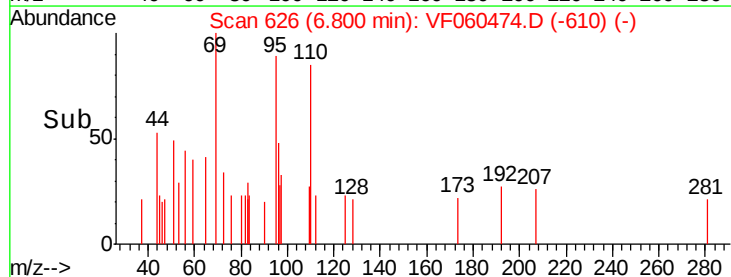
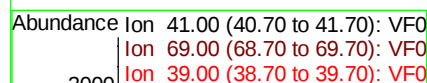
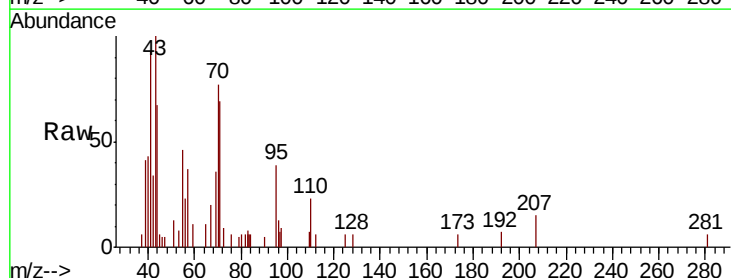
Tgt Ion: 41 Resp: 2882

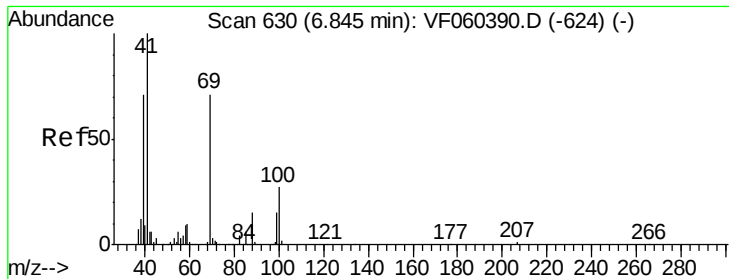
Ion Ratio Lower Upper

41 100

69 39.2 56.3 84.5#

39 43.8 56.9 85.3#

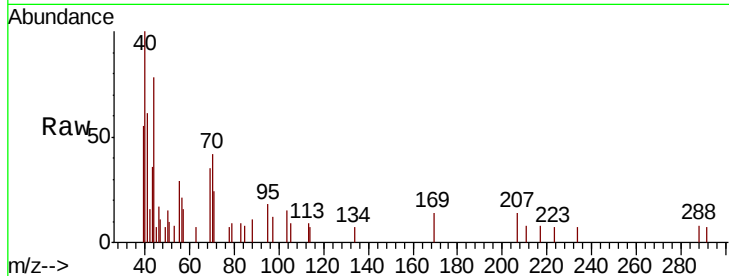




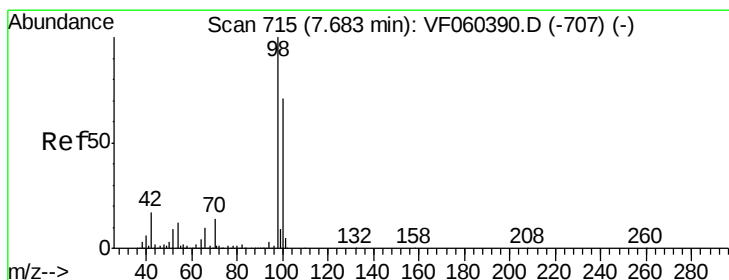
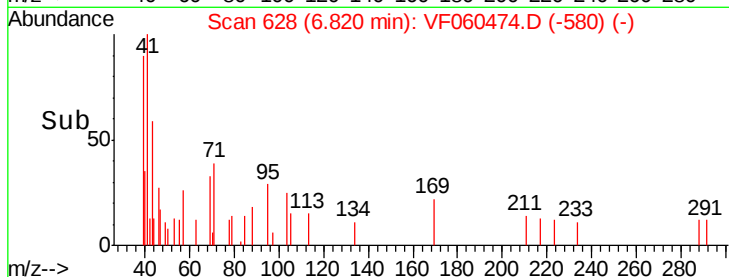
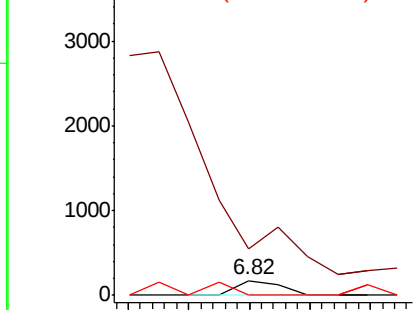
#49
1,4-Dioxane
Concen: 8.087 ug/l
RT: 6.82 min Scan# 628
Delta R.T. -0.03 min
Lab File: VF060474.D
Acq: 6 Oct 2018 00:14

Instrument :
MSVOA_F
ClientSampleId :
B-1A(12.5-13)

Tot Ion: 88 Resp: 180
Ion Ratio Lower Upper
88 100
43 323.3 38.3 57.5#
58 0.0 47.4 71.2#

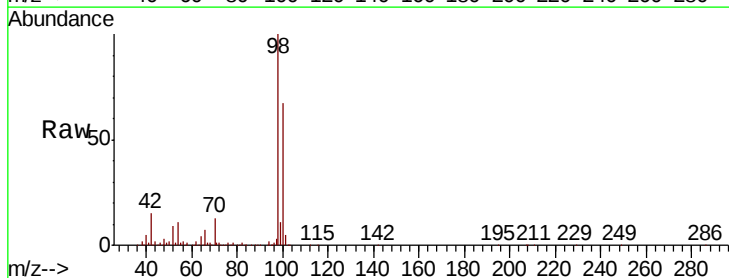


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

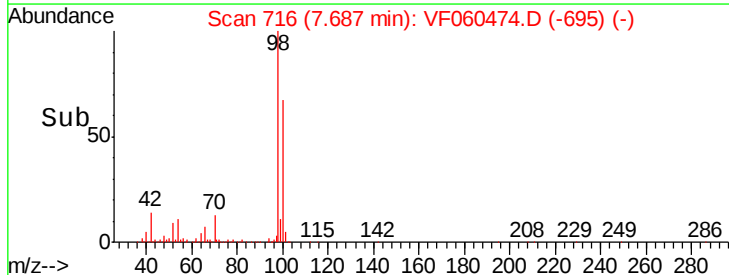
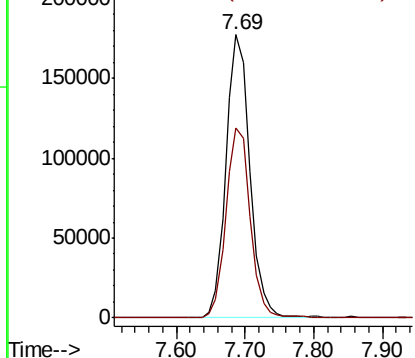


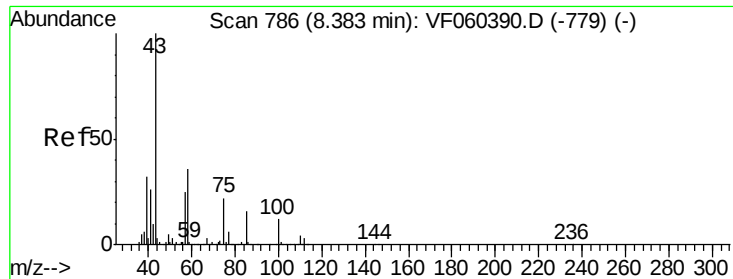
#50
Toluene-d8
Concen: 29.264 ug/l
RT: 7.69 min Scan# 716
Delta R.T. 0.00 min
Lab File: VF060474.D
Acq: 6 Oct 2018 00:14

Tgt Ion: 98 Resp: 426755
Ion Ratio Lower Upper
98 100
100 67.2 56.5 84.7



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





#51

4-Methyl-2-Pentanone

Concen: 2.455 ug/l

RT: 8.41 min Scan# 789

Delta R.T. 0.02 min

Lab File: VF060474.D

Acq: 6 Oct 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

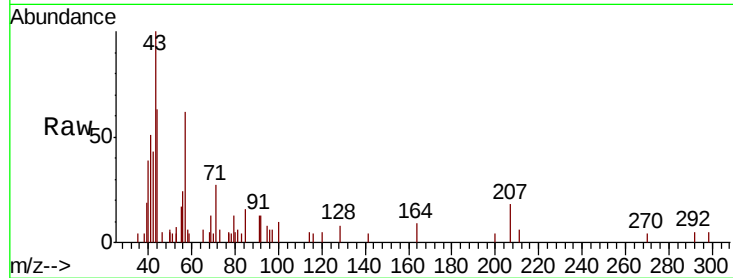
B-1A(12.5-13)

Tot Ion: 43 Resp: 6285

Ion Ratio Lower Upper

43 100

58 5.9 28.5 42.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.41

2500

2000

1500

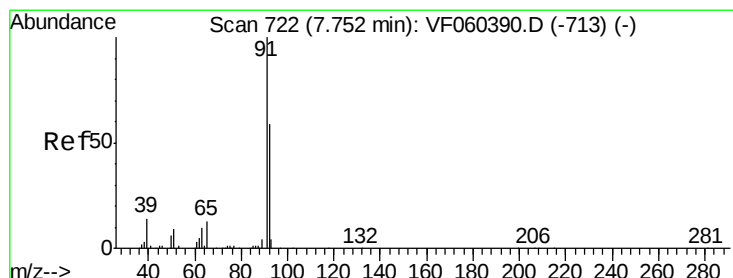
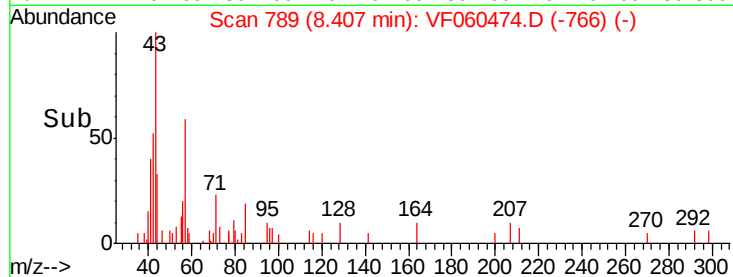
1000

500

0

8.30 8.35 8.40 8.45 8.50

Time-->



#52

Toluene

Concen: 91.041 ug/l

RT: 7.76 min Scan# 723

Delta R.T. 0.00 min

Lab File: VF060474.D

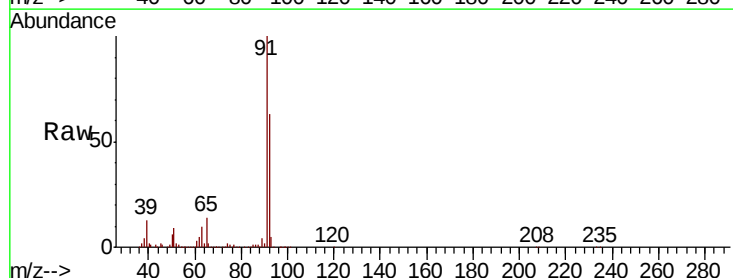
Acq: 6 Oct 2018 00:14

Tgt Ion: 92 Resp: 953950

Ion Ratio Lower Upper

92 100

91 159.0 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

600000

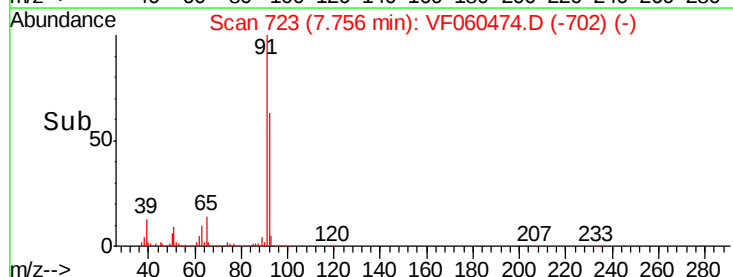
400000

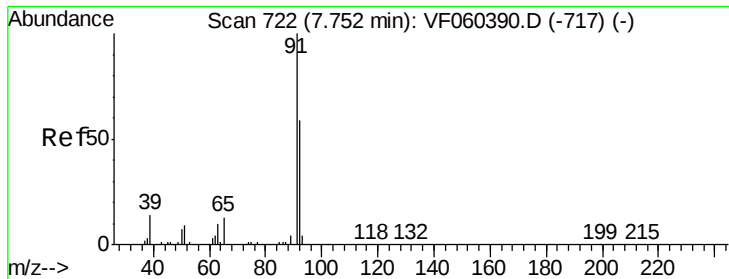
200000

0

7.60 7.70 7.80 7.90

Time-->

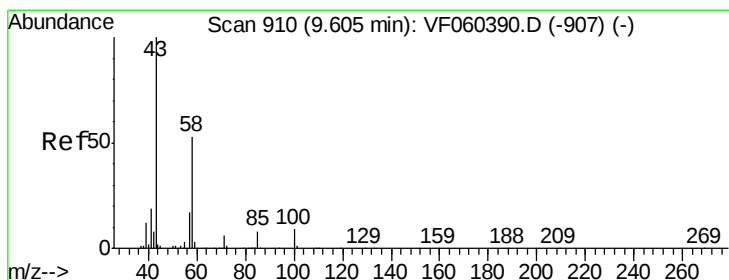
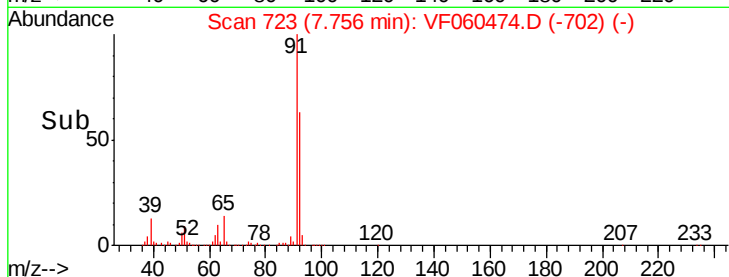
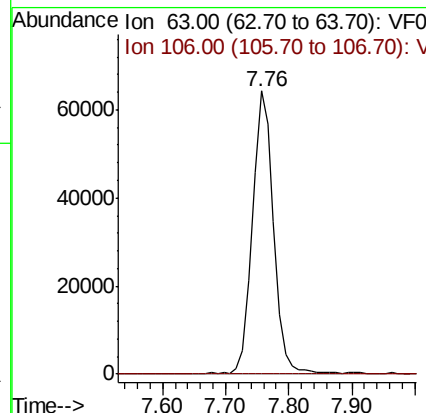
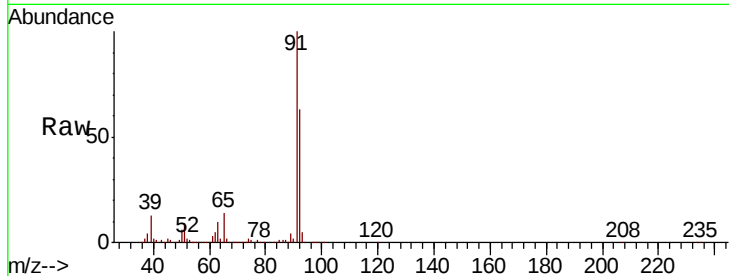




#58
2-Chloroethyl Vinyl ether
Concen: 387.982 ug/l
RT: 7.76 min Scan# 723
Delta R.T. 0.00 min
Lab File: VF060474.D
Acq: 6 Oct 2018 00:14

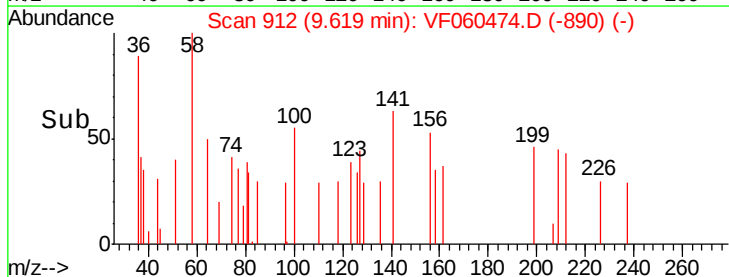
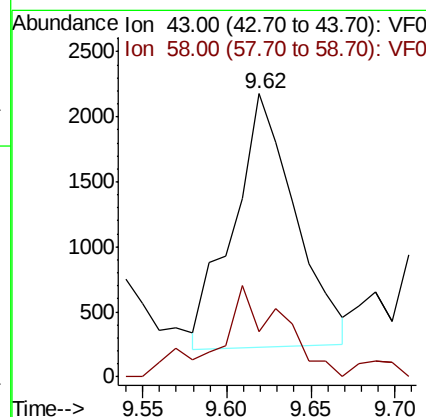
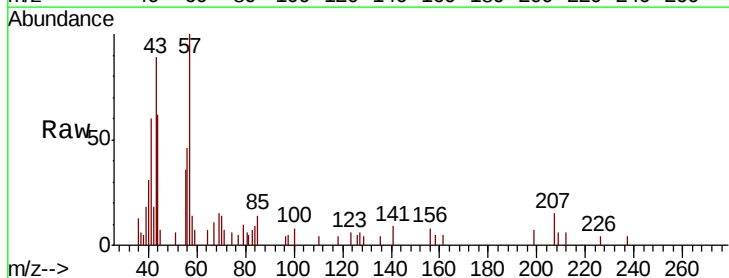
Instrument :
MSVOA_F
ClientSampleId :
B-1A(12.5-13)

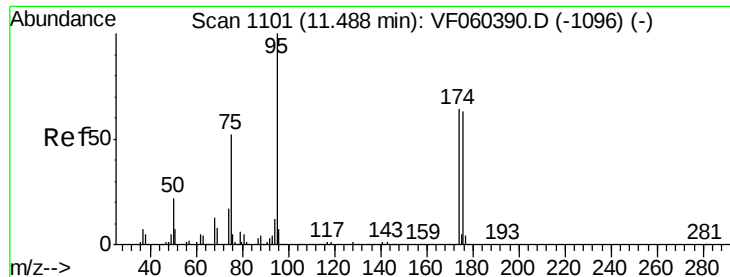
Tot Ion: 63 Resp: 149570
Ion Ratio Lower Upper
63 100
106 0.0 0.0 0.0



#59
2-Hexanone
Concen: 2.647 ug/l
RT: 9.62 min Scan# 912
Delta R.T. 0.01 min
Lab File: VF060474.D
Acq: 6 Oct 2018 00:14

Tgt Ion: 43 Resp: 4971
Ion Ratio Lower Upper
43 100
58 16.0 25.6 76.6#





#62

4-Bromofluorobenzene

Concen: 27.710 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VF060474.D

Acq: 6 Oct 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

B-1A(12.5-13)

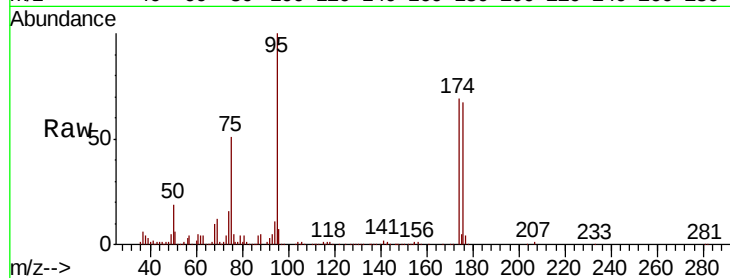
Tot Ion: 95 Resp: 184504

Ion Ratio Lower Upper

95 100

174 68.9 0.0 129.0

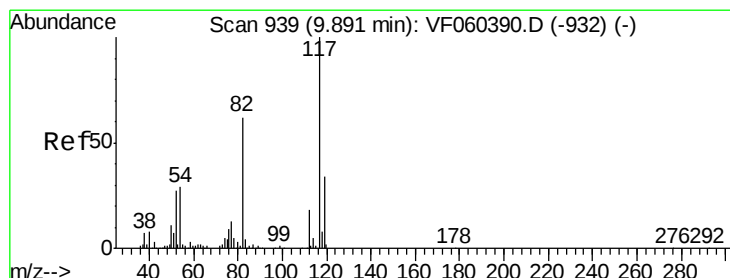
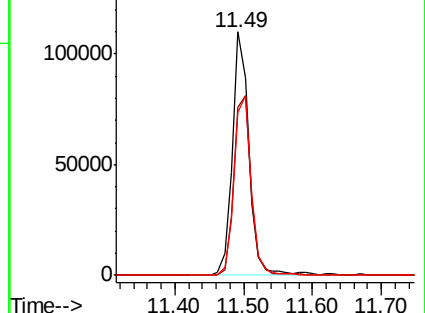
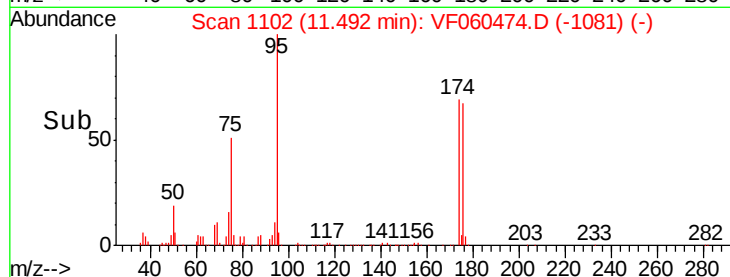
176 67.2 0.0 125.6



Abundance Ion 95.00 (94.70 to 95.70): VF060474.D (-1081) (-)

Ion 174.00 (173.70 to 174.70): VF060474.D (-1081) (-)

Ion 176.00 (175.70 to 176.70): VF060474.D (-1081) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.90 min Scan# 940

Delta R.T. 0.00 min

Lab File: VF060474.D

Acq: 6 Oct 2018 00:14

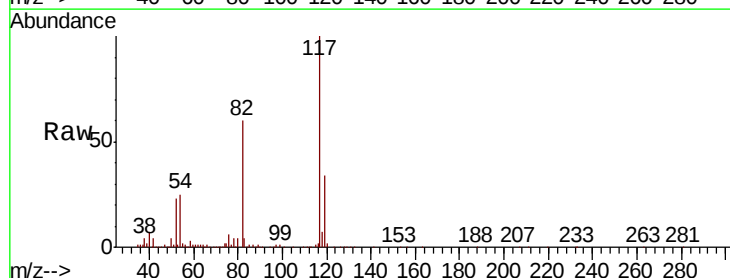
Tgt Ion: 117 Resp: 508240

Ion Ratio Lower Upper

117 100

82 60.2 49.5 74.3

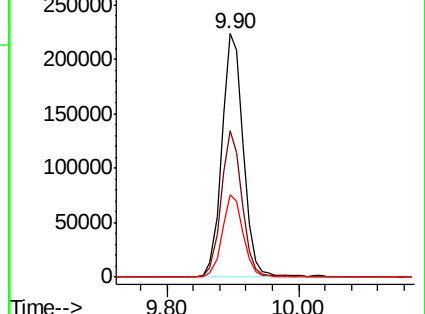
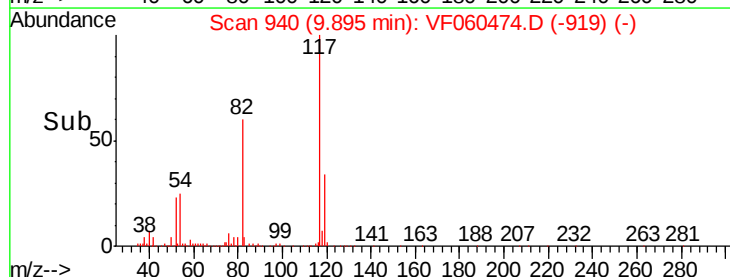
119 33.7 27.0 40.6

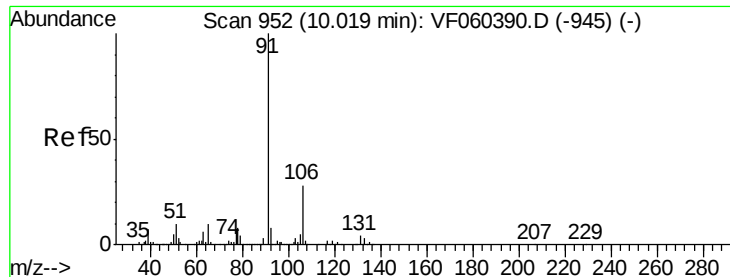


Abundance Ion 117.00 (116.70 to 117.70): VF060474.D (-919) (-)

Ion 82.00 (81.70 to 82.70): VF060474.D (-919) (-)

Ion 119.00 (118.70 to 119.70): VF060474.D (-919) (-)





#67

Ethyl Benzene

Concen: 38.691 ug/l

RT: 10.02 min Scan# 953

Delta R.T. 0.00 min

Lab File: VF060474.D

Acq: 6 Oct 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

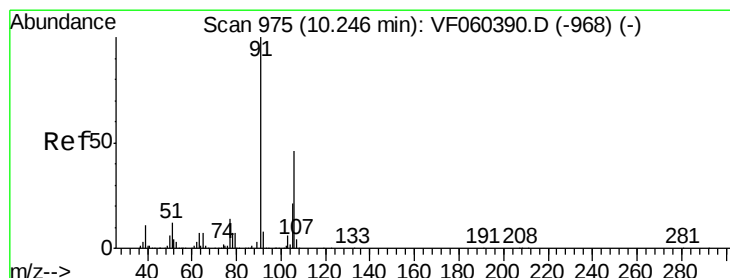
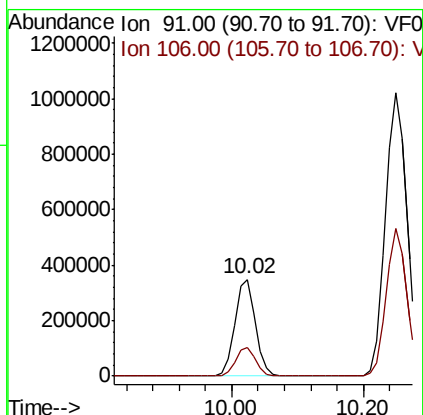
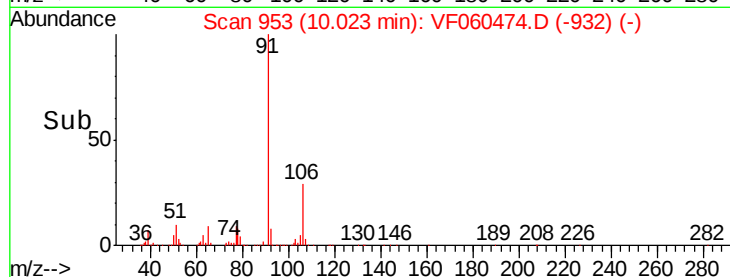
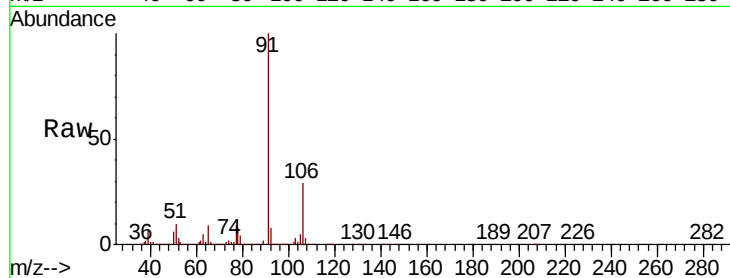
B-1A(12.5-13)

Tot Ion: 91 Resp: 768061

Ion Ratio Lower Upper

91 100

106 29.4 22.5 33.7



#68

m/p-Xylenes

Concen: 166.924 ug/l

RT: 10.25 min Scan# 976

Delta R.T. 0.00 min

Lab File: VF060474.D

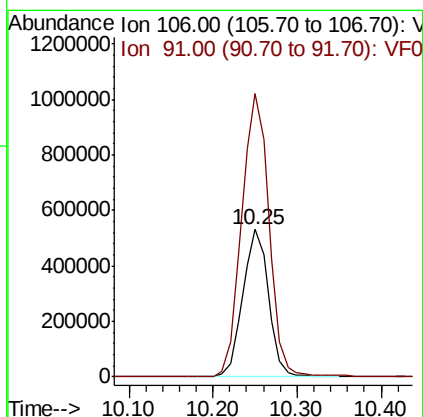
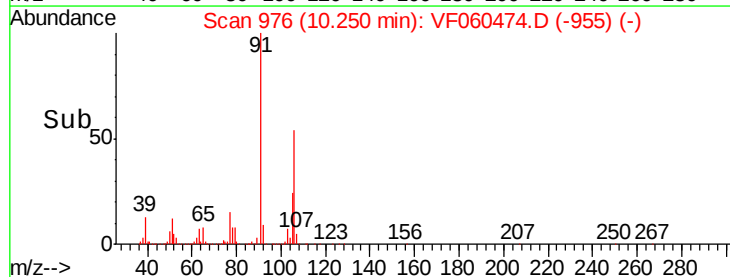
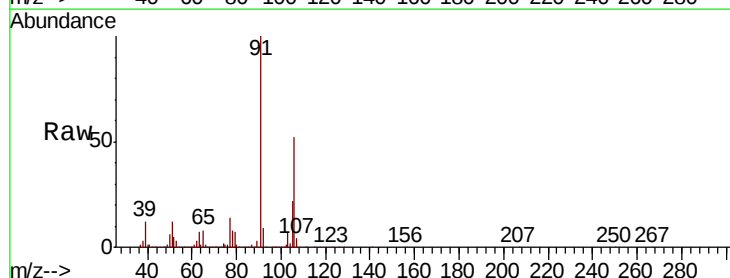
Acq: 6 Oct 2018 00:14

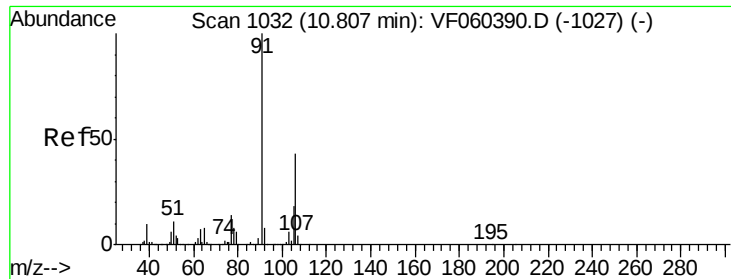
Tgt Ion: 106 Resp: 1139098

Ion Ratio Lower Upper

106 100

91 192.3 175.0 262.6

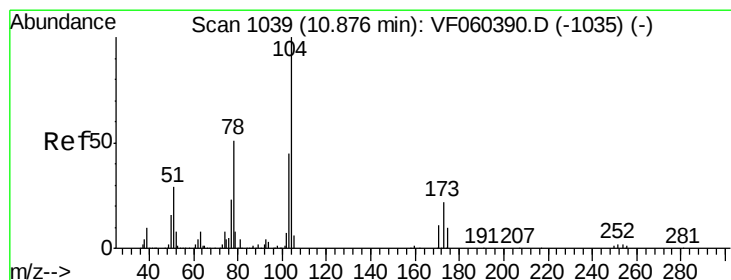
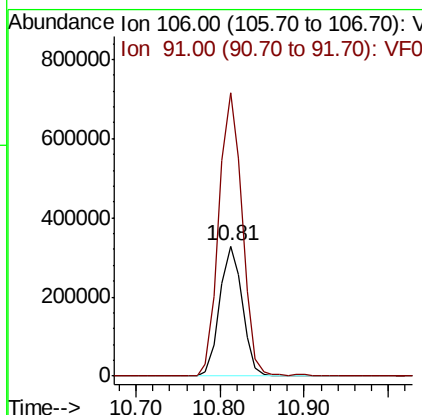
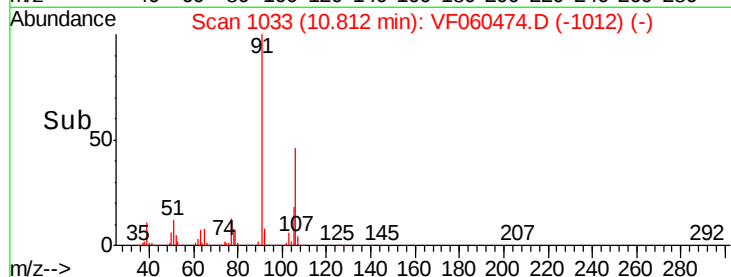
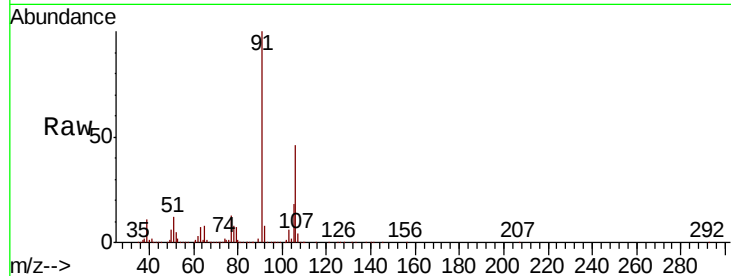




#69
o-Xylene
Concen: 83.152 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VF060474.D
Acq: 6 Oct 2018 00:14

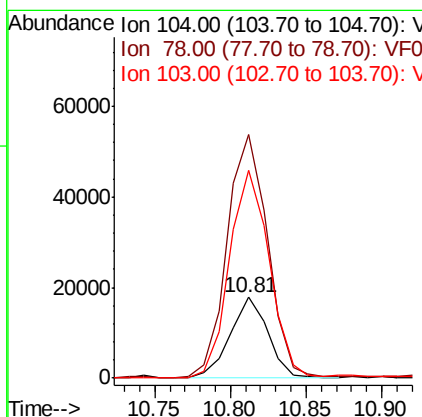
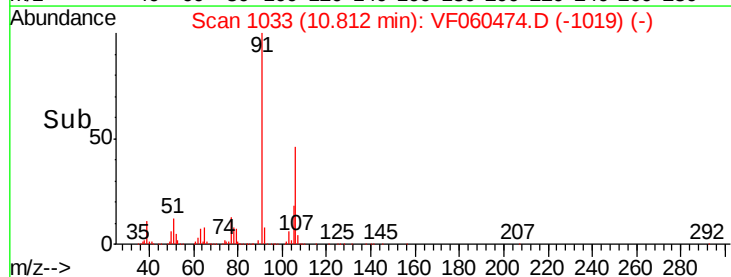
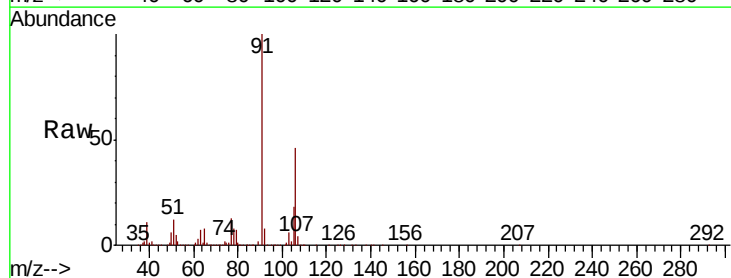
Instrument :
MSVOA_F
ClientSampleId :
B-1A(12.5-13)

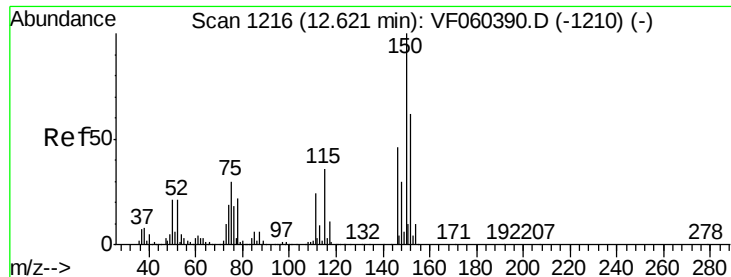
Tot Ion:106 Resp: 618508
Ion Ratio Lower Upper
106 100
91 218.1 115.1 345.2



#70
Styrene
Concen: 2.936 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. -0.06 min
Lab File: VF060474.D
Acq: 6 Oct 2018 00:14

Tgt Ion:104 Resp: 31065
Ion Ratio Lower Upper
104 100
78 302.3 41.0 61.4#
103 257.7 36.4 54.6#



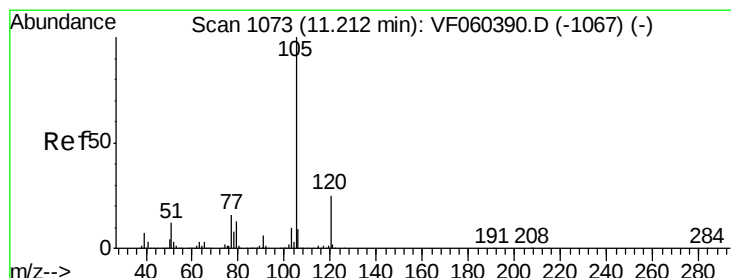
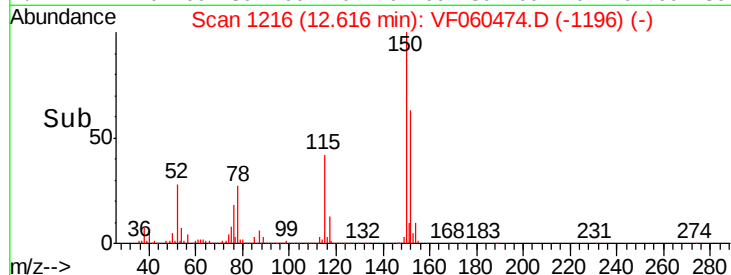
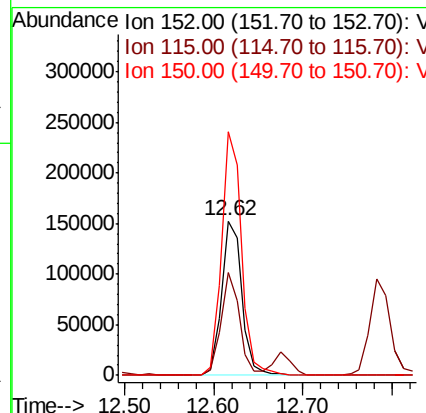
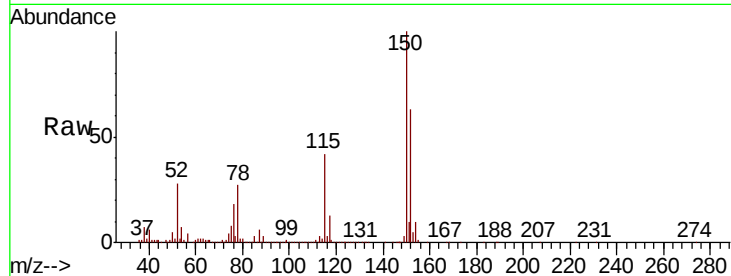


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1216
Delta R.T. -0.01 min
Lab File: VF060474.D
Acq: 6 Oct 2018 00:14

Instrument :
MSVOA_F
ClientSampleId :
B-1A(12.5-13)

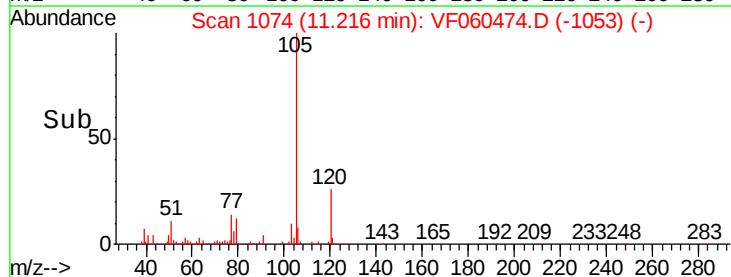
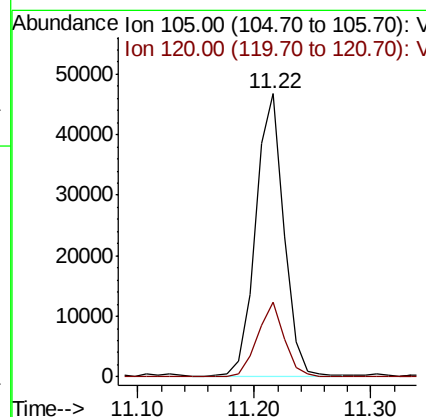
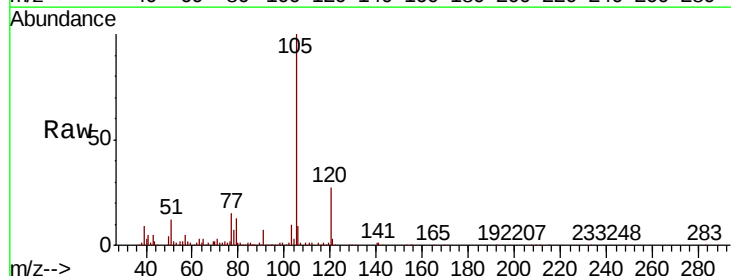
Tot Ion:152 Resp: 245448
Ion Ratio Lower Upper
152 100
115 66.4 28.6 85.8
150 157.5 0.0 324.6

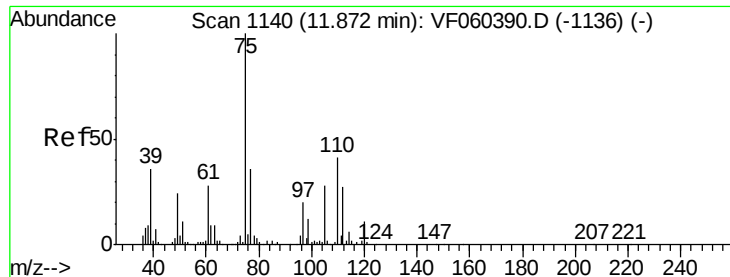


#73

Isopropylbenzene
Concen: 4.030 ug/l
RT: 11.22 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VF060474.D
Acq: 6 Oct 2018 00:14

Tgt Ion:105 Resp: 77887
Ion Ratio Lower Upper
105 100
120 26.5 12.3 36.9





#76

1,2,3-Trichloropropane

Concen: 2.588 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. 0.02 min

Lab File: VF060474.D

Acq: 6 Oct 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

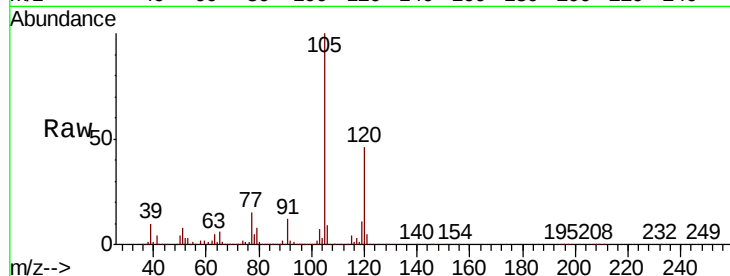
B-1A(12.5-13)

Tot Ion: 75 Resp: 6712

Ion Ratio Lower Upper

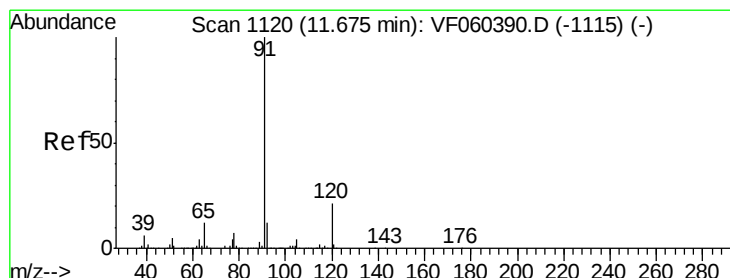
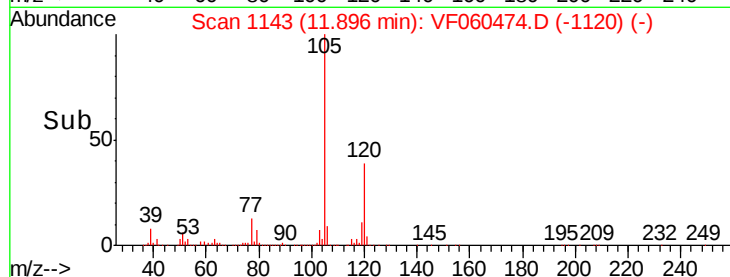
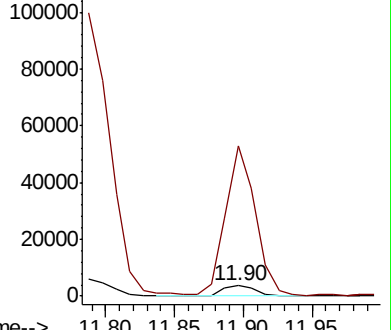
75 100

77 1476.1 18.1 54.4#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#78

n-propylbenzene

Concen: 10.340 ug/l

RT: 11.67 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VF060474.D

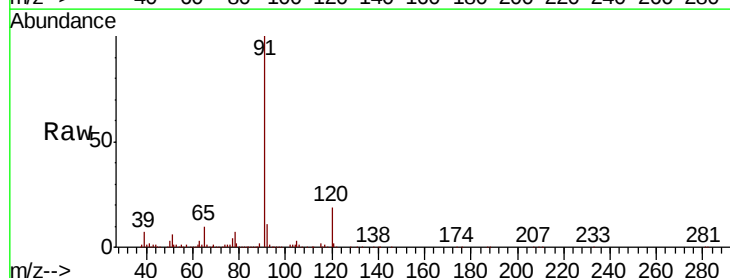
Acq: 6 Oct 2018 00:14

Tgt Ion: 91 Resp: 242244

Ion Ratio Lower Upper

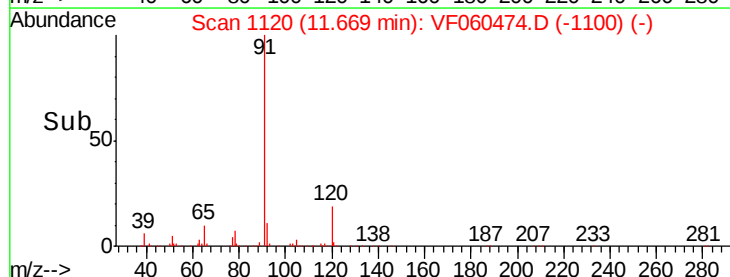
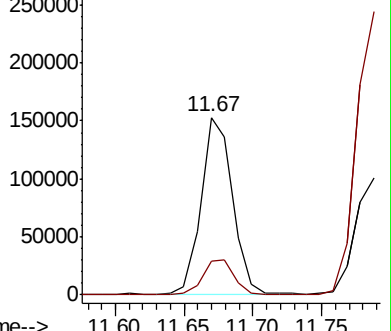
91 100

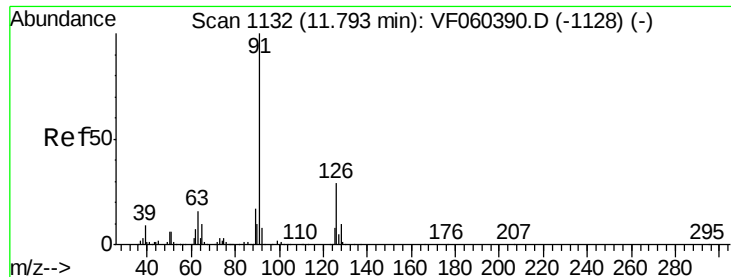
120 19.3 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 13.880 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. -0.01 min

Lab File: VF060474.D

Acq: 6 Oct 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

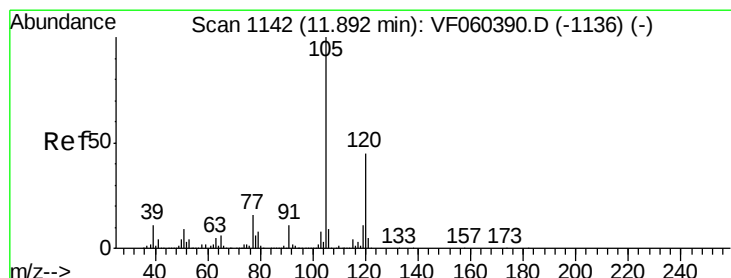
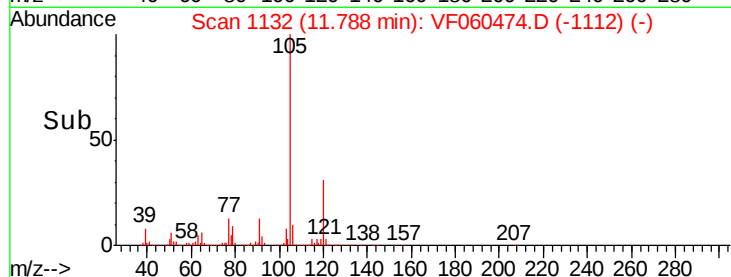
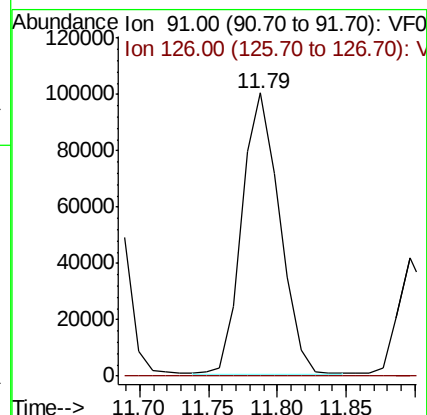
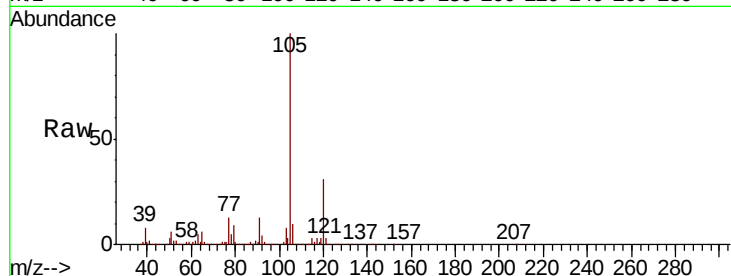
B-1A(12.5-13)

Tot Ion: 91 Resp: 190220

Ion Ratio Lower Upper

91 100

126 0.1 14.4 43.4#



#80

1,3,5-Trimethylbenzene

Concen: 33.437 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF060474.D

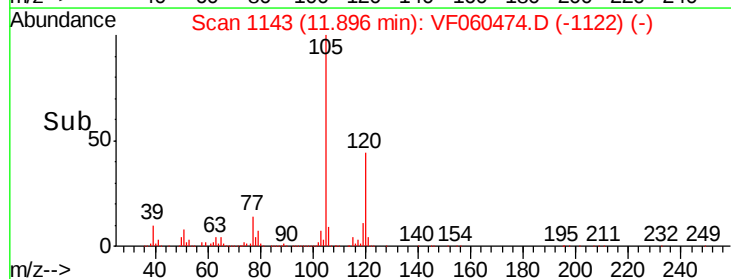
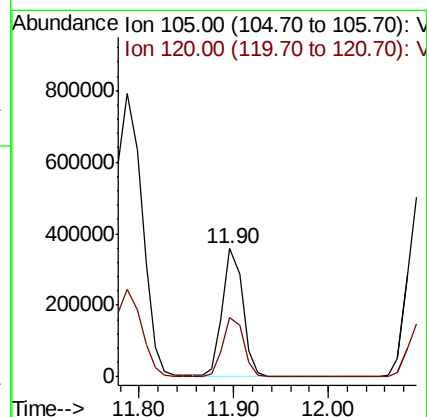
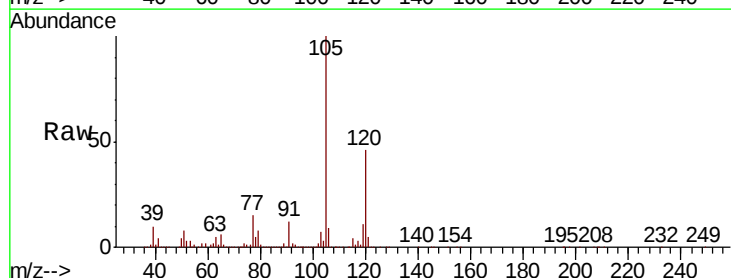
Acq: 6 Oct 2018 00:14

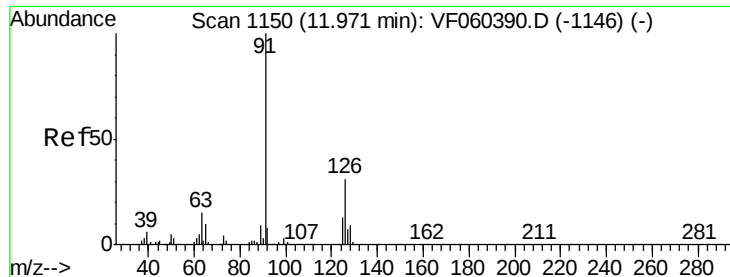
Tgt Ion:105 Resp: 549027

Ion Ratio Lower Upper

105 100

120 46.5 22.3 66.9





#82

4-Chlorotoluene

Concen: 4.293 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. -0.07 min

Lab File: VF060474.D

Acq: 6 Oct 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

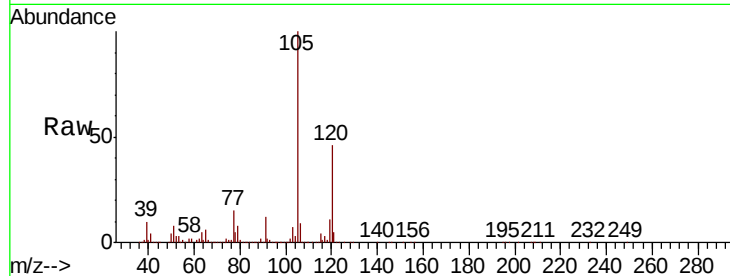
B-1A(12.5-13)

Tot Ion: 91 Resp: 60201

Ion Ratio Lower Upper

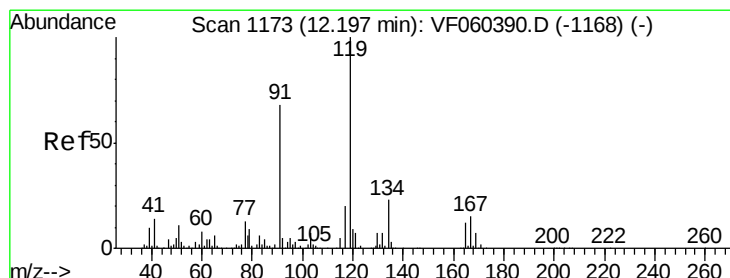
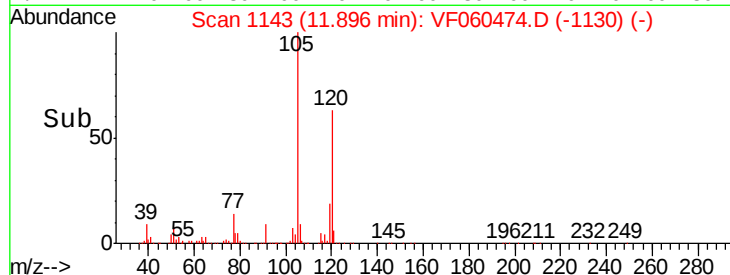
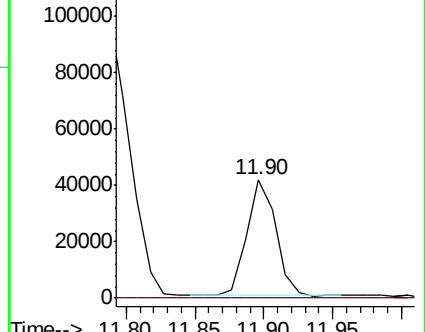
91 100

126 0.0 15.7 47.0#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#83

tert-Butylbenzene

Concen: 13.899 ug/l

RT: 12.28 min Scan# 1182

Delta R.T. 0.08 min

Lab File: VF060474.D

Acq: 6 Oct 2018 00:14

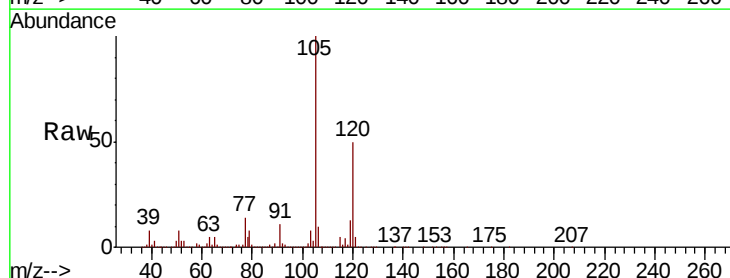
Tgt Ion: 119 Resp: 225096

Ion Ratio Lower Upper

119 100

91 86.4 34.0 102.0

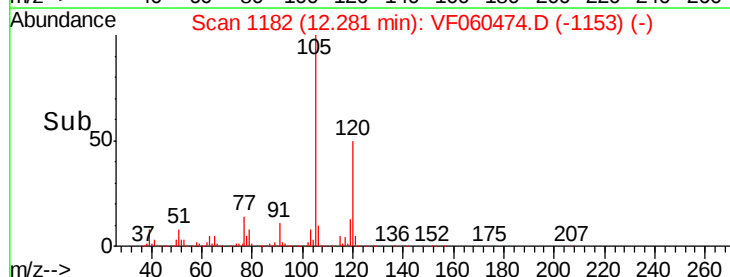
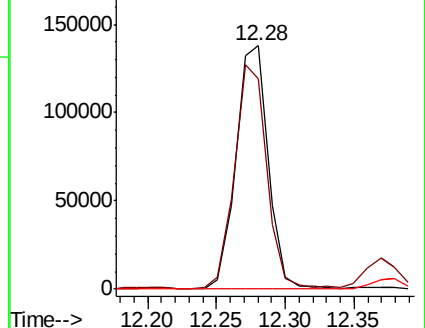
134 0.0 11.7 35.0#

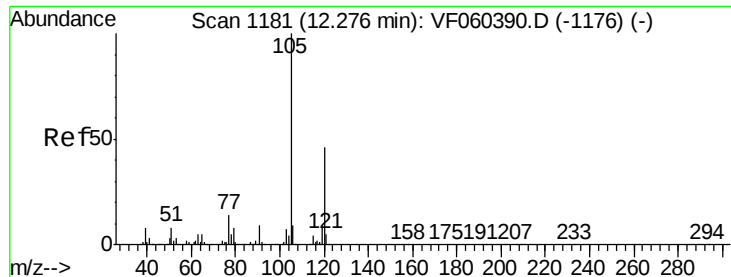


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V





#84

1,2,4-Trimethylbenzene

Concen: 112.463 ug/l

RT: 12.28 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VF060474.D

Acq: 6 Oct 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

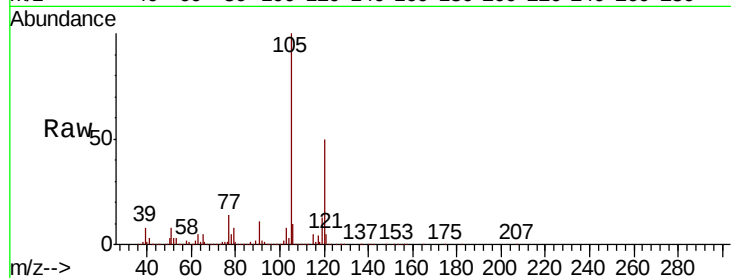
B-1A(12.5-13)

Tot Ion:105 Resp: 1831309

Ion Ratio Lower Upper

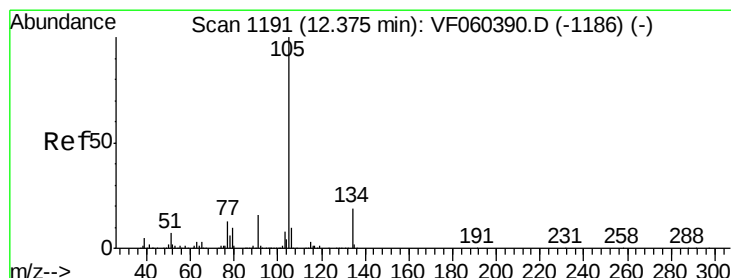
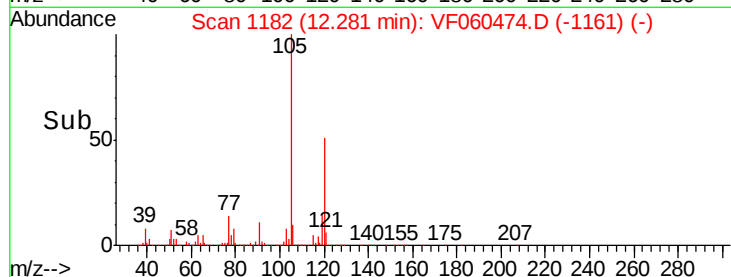
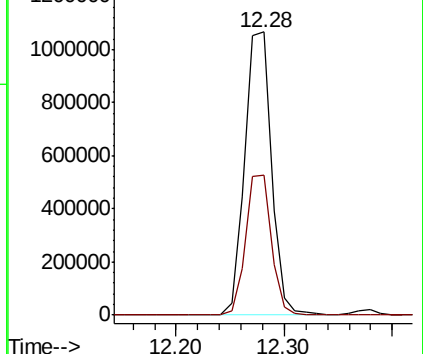
105 100

120 49.6 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 81.923 ug/l

RT: 12.28 min Scan# 1182

Delta R.T. -0.09 min

Lab File: VF060474.D

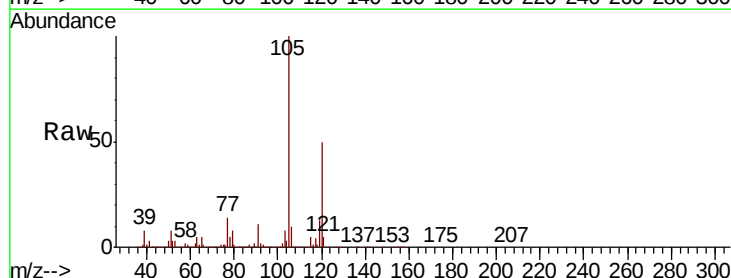
Acq: 6 Oct 2018 00:14

Tgt Ion:105 Resp: 1831309

Ion Ratio Lower Upper

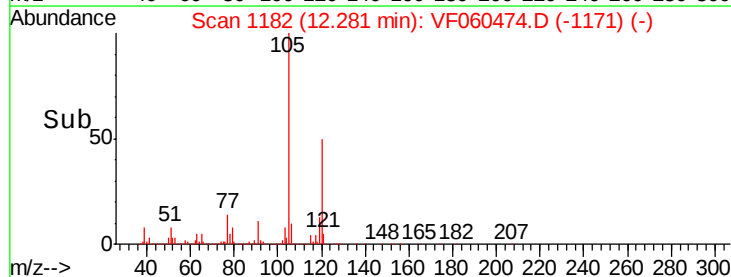
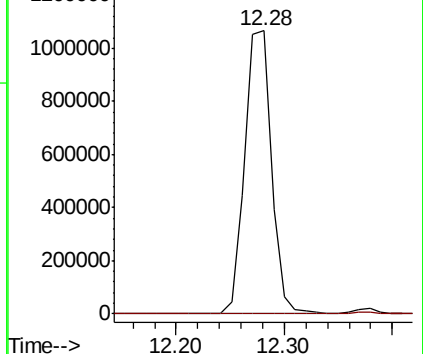
105 100

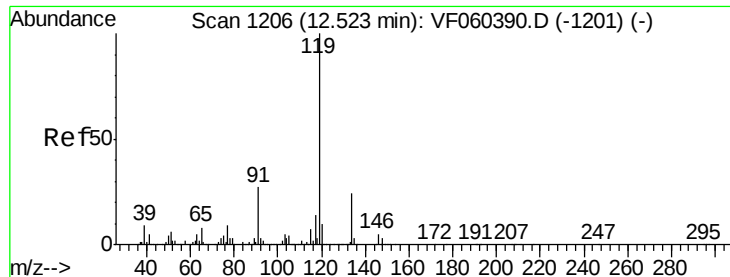
134 0.0 9.4 28.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

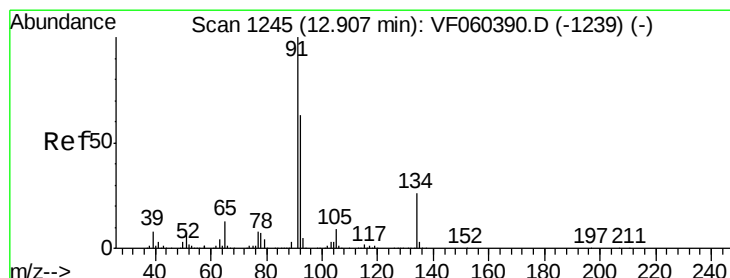
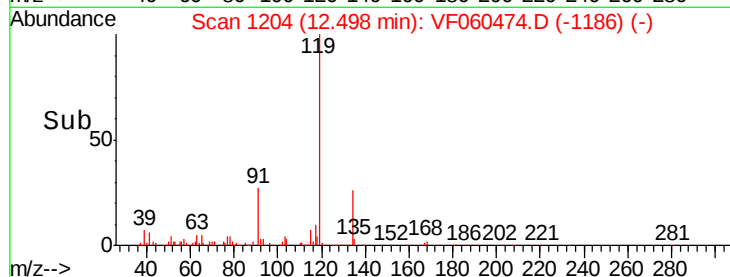
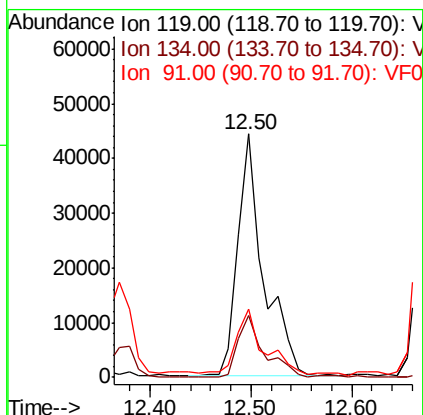
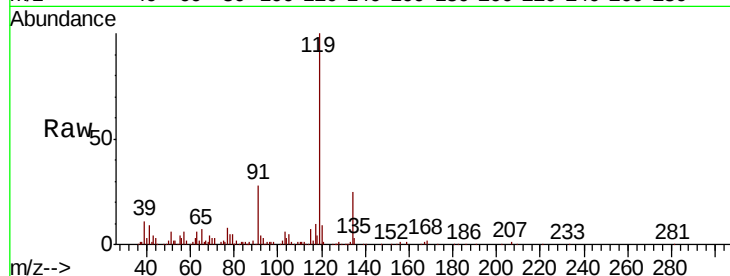




#86
p-Isopropyltoluene
Concen: 4.279 ug/l
RT: 12.50 min Scan# 1204
Delta R.T. -0.03 min
Lab File: VF060474.D
Acq: 6 Oct 2018 00:14

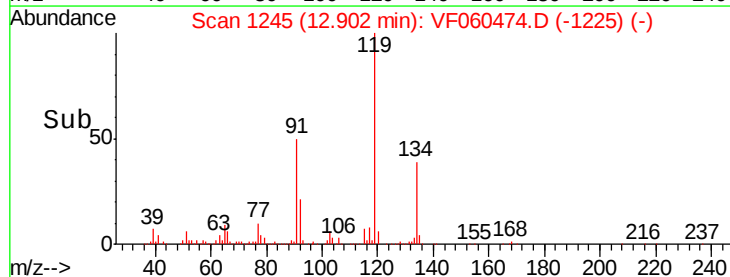
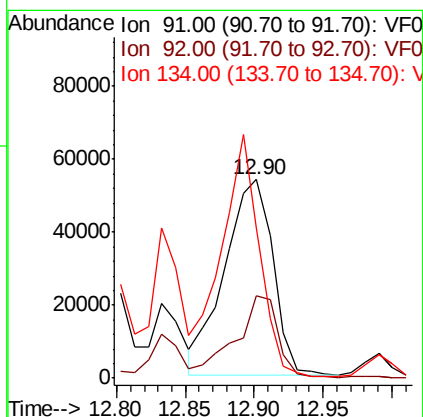
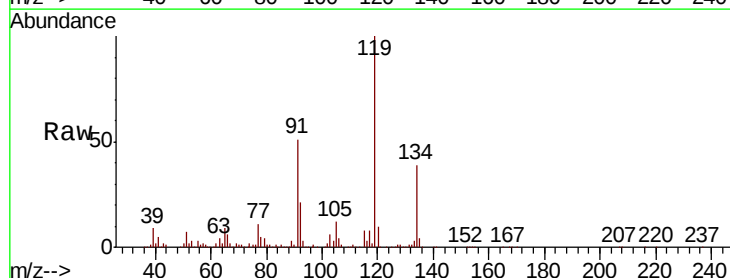
Instrument :
MSVOA_F
ClientSampled :
B-1A(12.5-13)

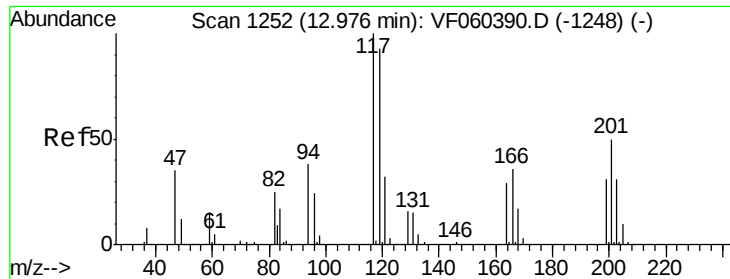
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.3	36.8
91	28.0	13.5	40.4



#89
n-Butylbenzene
Concen: 6.830 ug/l
RT: 12.90 min Scan# 1245
Delta R.T. -0.01 min
Lab File: VF060474.D
Acq: 6 Oct 2018 00:14

Tgt Ion	Ratio	Lower	Upper
91	100		
92	41.5	31.3	93.9
134	75.4	13.0	38.9#





#90

Hexachloroethane

Concen: 5.190 ug/l

RT: 12.89 min Scan# 1244

Delta R.T. -0.08 min

Lab File: VF060474.D

Acq: 6 Oct 2018 00:14

Instrument :

MSVOA_F

ClientSampleId :

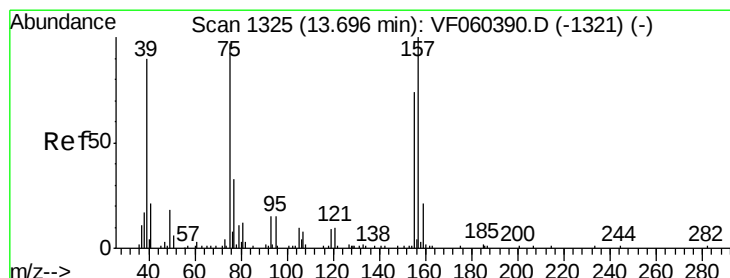
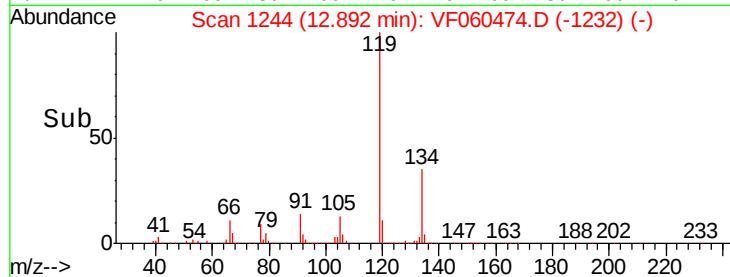
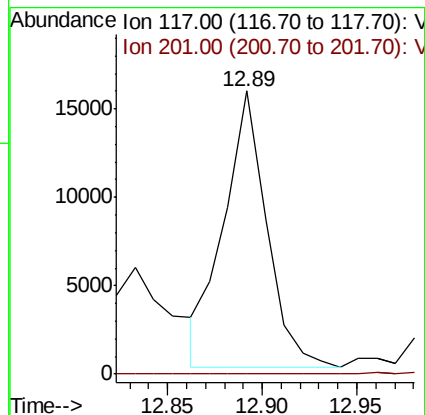
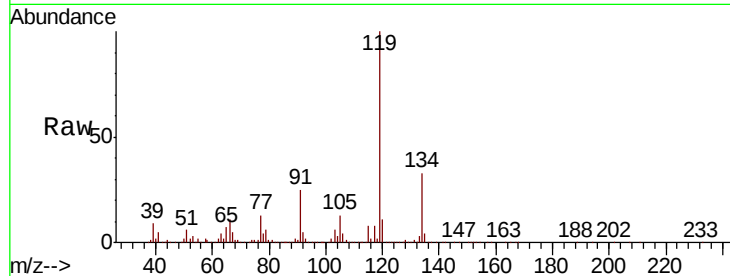
B-1A(12.5-13)

Tot Ion:117 Resp: 24498

Ion Ratio Lower Upper

117 100

201 0.0 25.5 76.5#



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.123 ug/l

RT: 13.67 min Scan# 1323

Delta R.T. -0.03 min

Lab File: VF060474.D

Acq: 6 Oct 2018 00:14

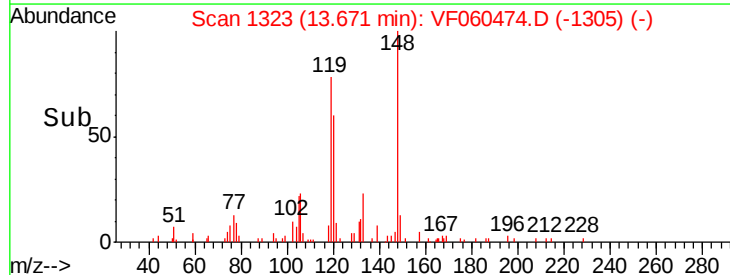
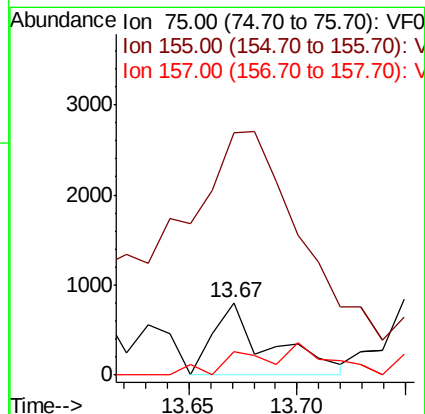
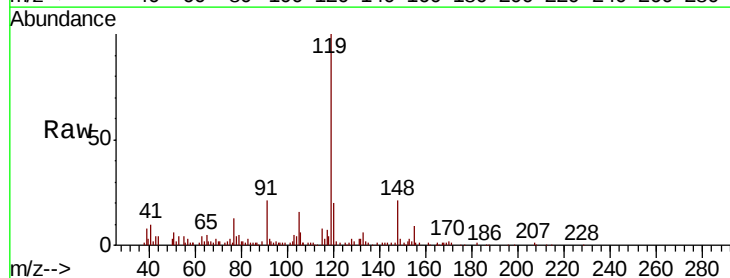
Tgt Ion: 75 Resp: 1450

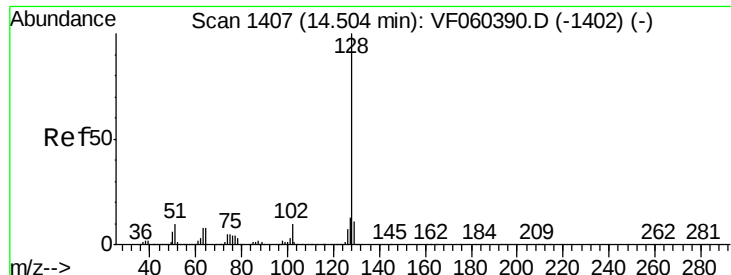
Ion Ratio Lower Upper

75 100

155 337.0 37.9 113.6#

157 33.1 51.3 154.0#





#95
Naphthalene
Concen: 56.498 ug/l
RT: 14.51 min Scan# 1408
Delta R.T. 0.00 min
Lab File: VF060474.D
Acq: 6 Oct 2018 00:14

Instrument :
MSVOA_F
ClientSampleId :
B-1A(12.5-13)

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.0	15.0
129	11.1	8.7	13.1

