

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081918\
 Data File : VW004774.D
 Acq On : 18 Aug 2018 11:14
 Operator : SY/AP
 Sample : J4521-16
 Misc : 6.25G/5ML/MSVOA W/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 72-11990

Quant Time: Aug 20 12:01:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:49:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	444774	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	774724	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	612003	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	229567	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	291543	67.80	ug/l	0.00
Spiked Amount			Recovery	=	135.60%	
35) Dibromofluoromethane	7.89	113	269758	54.48	ug/l	0.00
Spiked Amount			Recovery	=	108.96%	
50) Toluene-d8	10.33	98	462858	23.95	ug/l	0.00
Spiked Amount			Recovery	=	47.90%	
62) 4-Bromofluorobenzene	12.63	95	221746	31.89	ug/l	0.00
Spiked Amount			Recovery	=	63.78%	

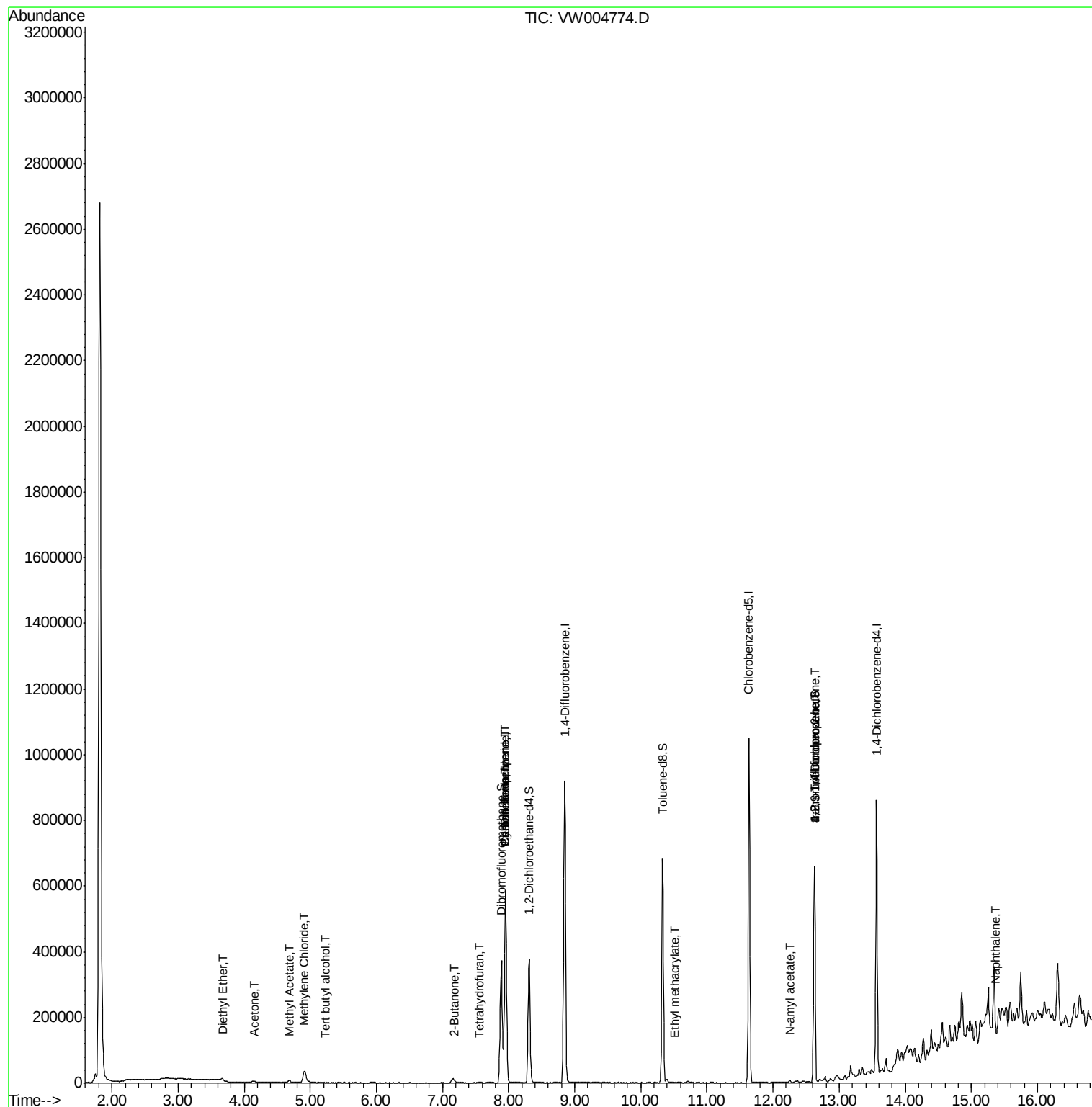
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	3057	1.27	ug/l	81
11) Tert butyl alcohol	5.22	59	302	1.26	ug/l #	72
16) Acetone	4.15	43	10925	9.95	ug/l	90
18) Methyl Acetate	4.68	43	13357	5.68	ug/l	96
20) Methylene Chloride	4.91	84	31972	2.26	ug/l #	93
25) 2-Butanone	7.19	43	3413	2.18	ug/l	91
29) Tetrahydrofuran	7.57	42	961	1.20	ug/l #	80
31) Cyclohexane	7.95	56	8813	1.05	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	33276	4.17	ug/l #	49
38) Carbon Tetrachloride	7.95	117	41464	5.64	ug/l #	17
56) Ethyl methacrylate	10.51	69	22	2.98	ug/l #	1
74) N-amyl acetate	12.26	43	2161	4.56	ug/l #	71
76) 1,2,3-Trichloropropane	12.62	75	103769	51.28	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	103769	119.18	ug/l #	14
95) Naphthalene	15.38	128	899	3.60	ug/l #	69

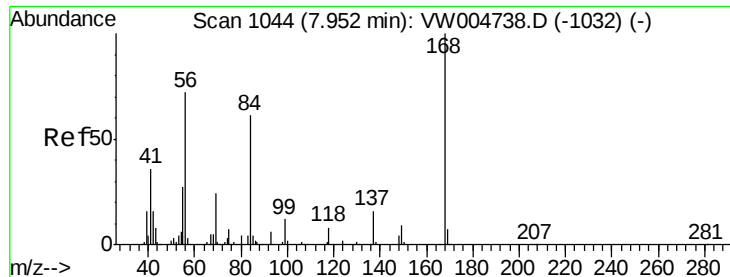
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004774.D

Acq: 18 Aug 2018 11:14

Instrument :

MSVOA_W

ClientSampleId :

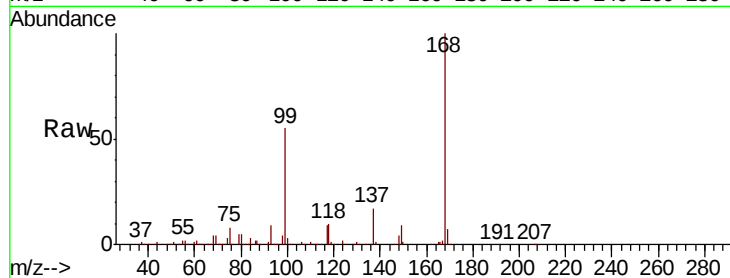
72-11990

Tot Ion:168 Resp: 444774

Ion Ratio Lower Upper

168 100

99 54.6 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

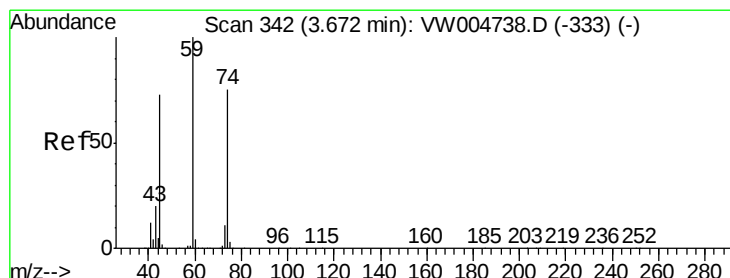
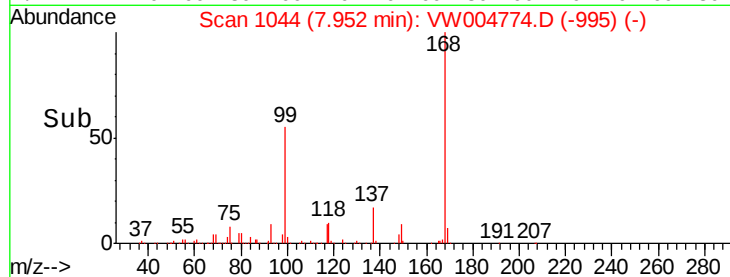
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.27 ug/l

RT: 3.68 min Scan# 343

Delta R.T. 0.01 min

Lab File: VW004774.D

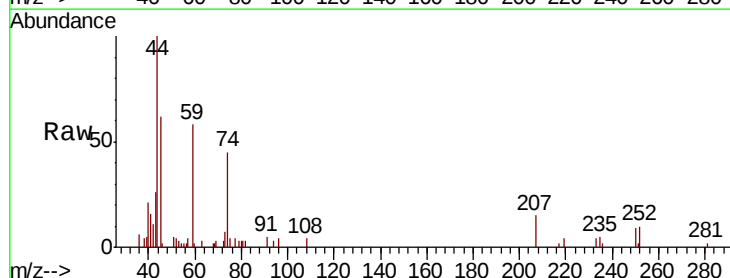
Acq: 18 Aug 2018 11:14

Tgt Ion: 74 Resp: 3057

Ion Ratio Lower Upper

74 100

45 118.6 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

2000

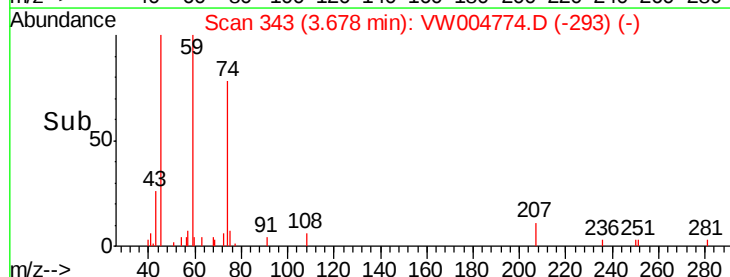
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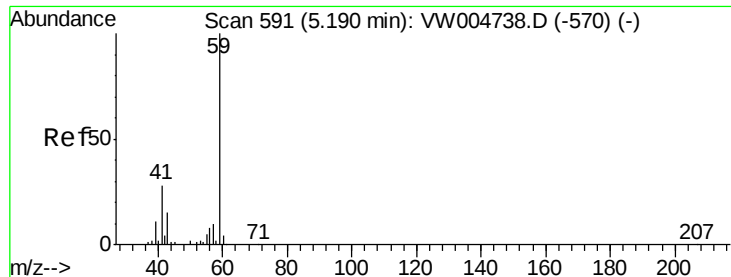
1000

500

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Time-->



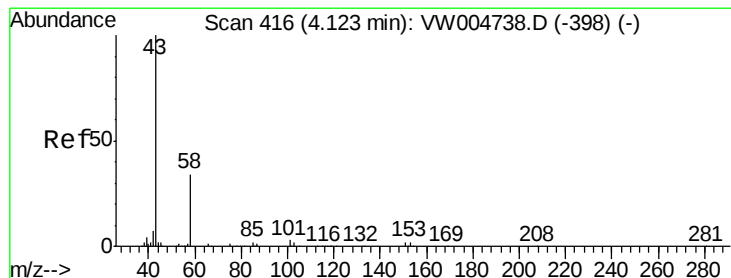
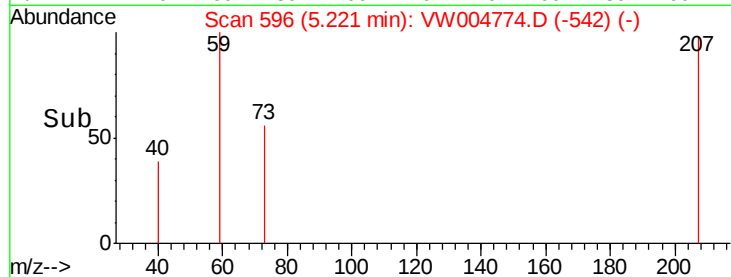
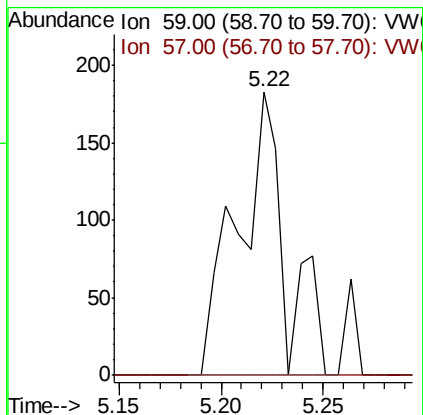
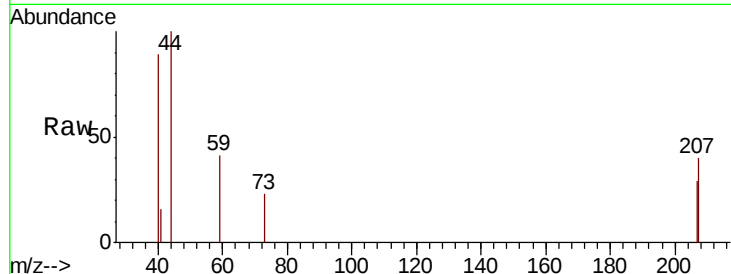


#11

Tert butyl alcohol
 Concen: 1.26 ug/l
 RT: 5.22 min Scan# 596
 Delta R.T. 0.03 min
 Lab File: VW004774.D
 Acq: 18 Aug 2018 11:14

Instrument :
 MSVOA_W
 ClientSampleId :
 72-11990

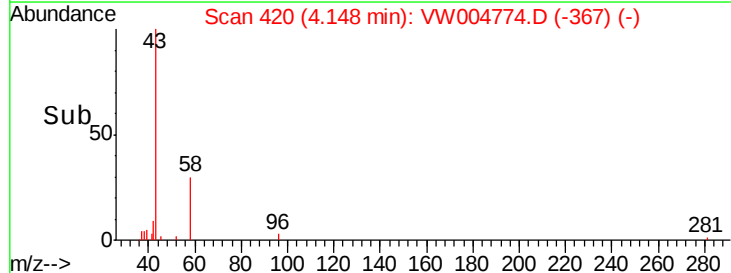
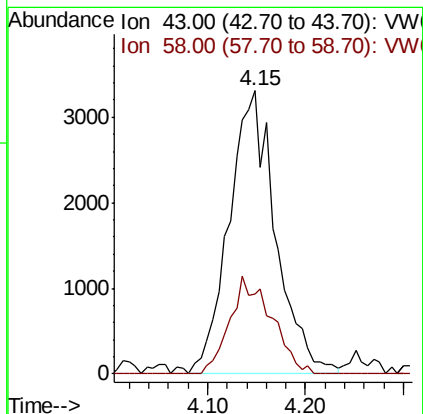
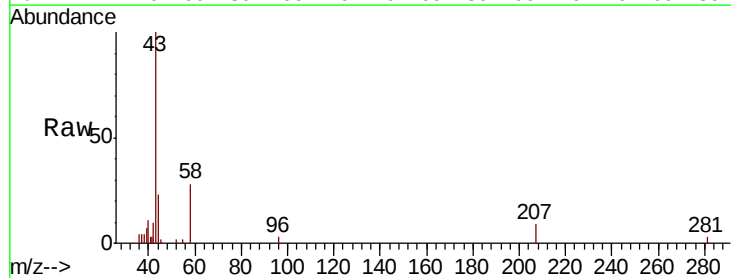
Tot Ion: 59 Resp: 302
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

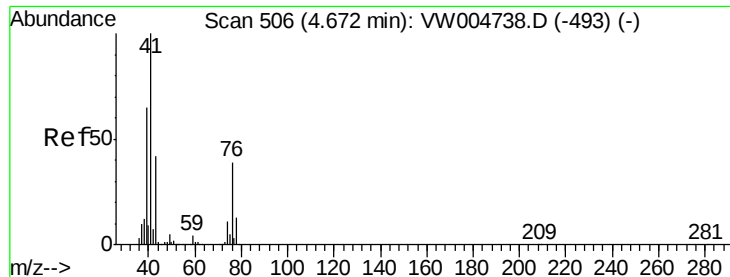


#16

Acetone
 Concen: 9.95 ug/l
 RT: 4.15 min Scan# 420
 Delta R.T. 0.02 min
 Lab File: VW004774.D
 Acq: 18 Aug 2018 11:14

Tgt Ion: 43 Resp: 10925
 Ion Ratio Lower Upper
 43 100
 58 28.4 27.3 40.9

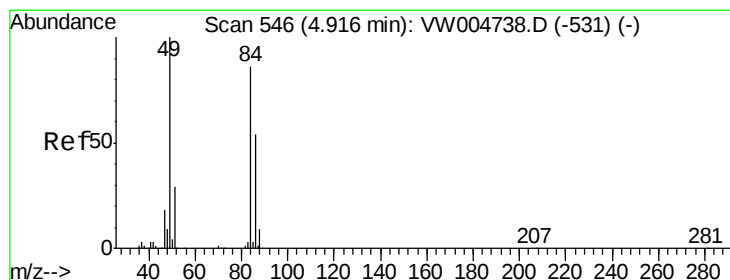
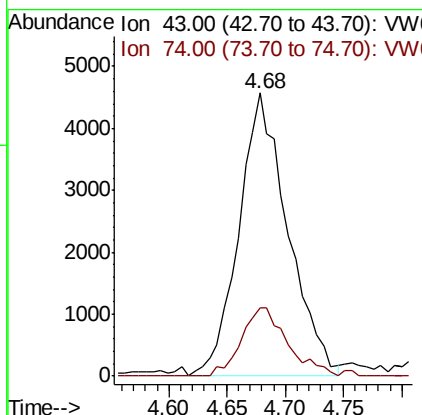
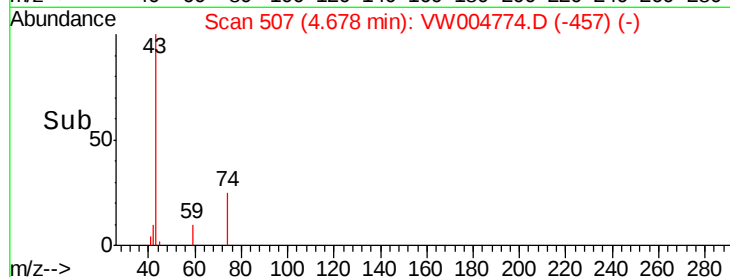
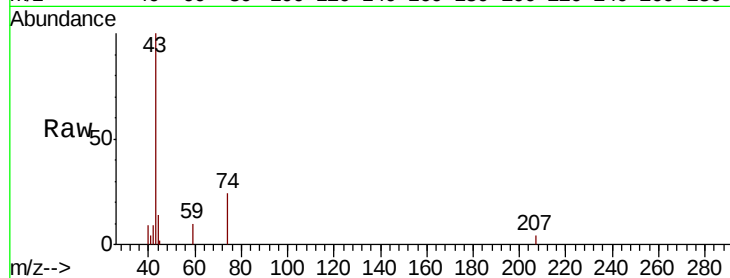




#18
Methyl Acetate
Concen: 5.68 ug/l
RT: 4.68 min Scan# 507
Delta R.T. 0.01 min
Lab File: VW004774.D
Acq: 18 Aug 2018 11:14

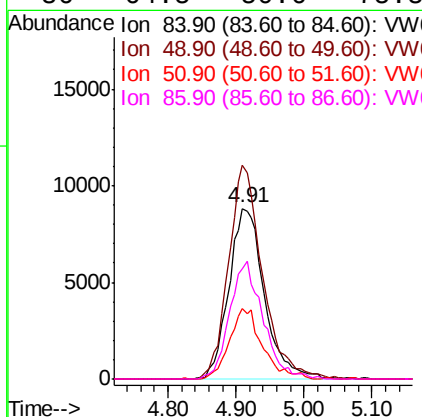
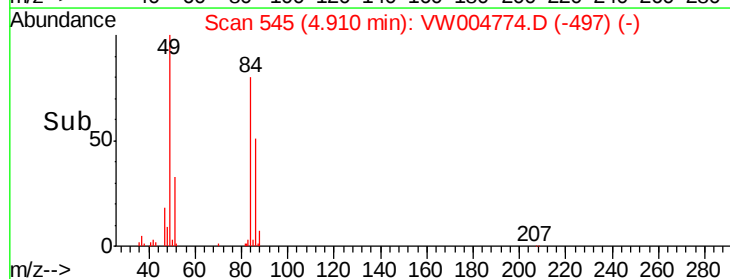
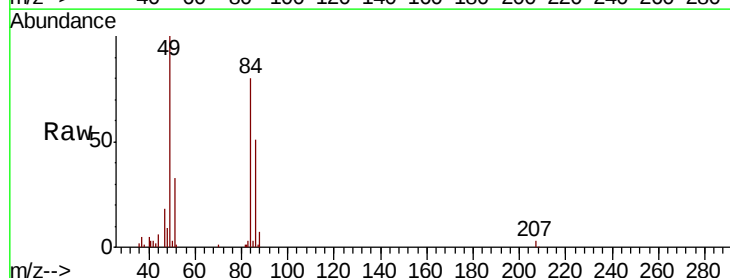
Instrument :
MSVOA_W
ClientSampleId :
72-11990

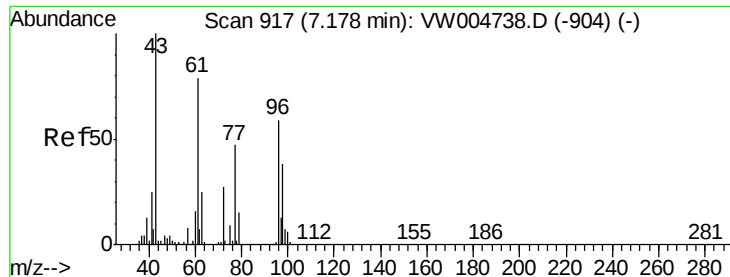
Tot Ion: 43 Resp: 13357
Ion Ratio Lower Upper
43 100
74 22.8 19.8 29.8



#20
Methylene Chloride
Concen: 2.26 ug/l
RT: 4.91 min Scan# 545
Delta R.T. -0.01 min
Lab File: VW004774.D
Acq: 18 Aug 2018 11:14

Tgt Ion: 84 Resp: 31972
Ion Ratio Lower Upper
84 100
49 125.3 93.2 139.8
51 41.2 27.4 41.0#
86 64.5 50.6 75.8

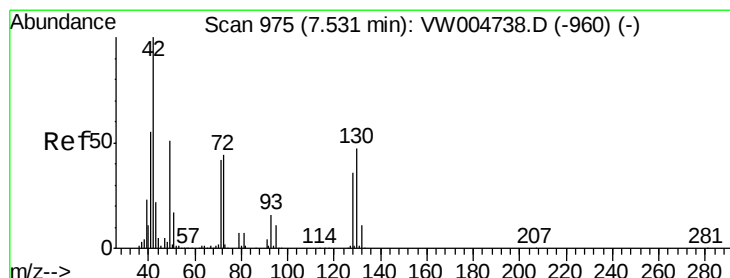
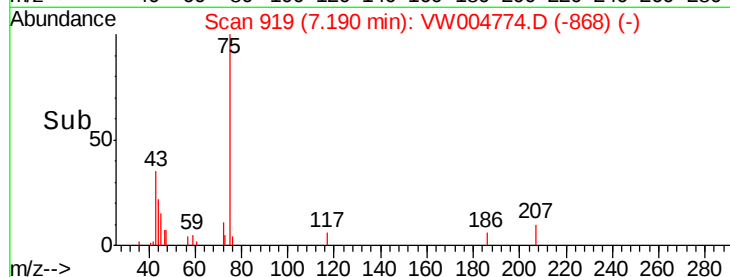
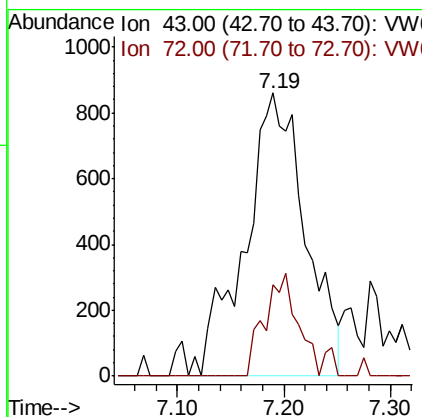
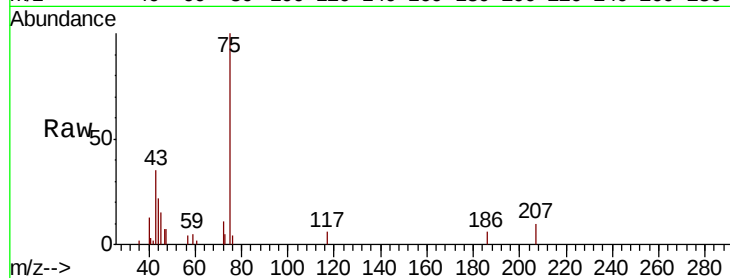




#25
 2-Butanone
 Concen: 2.18 ug/l
 RT: 7.19 min Scan# 919
 Delta R.T. 0.01 min
 Lab File: VW004774.D
 Acq: 18 Aug 2018 11:14

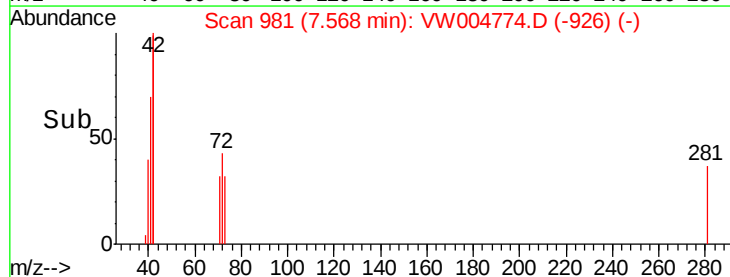
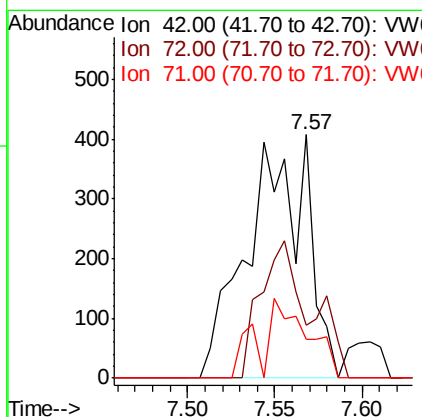
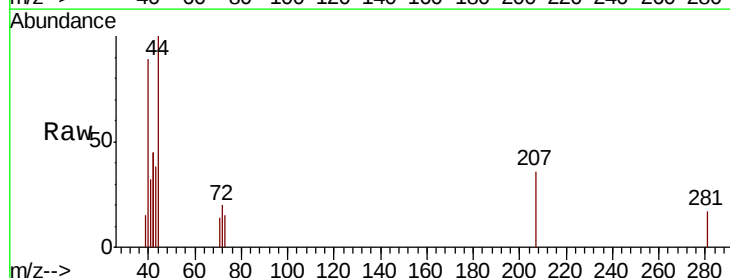
Instrument :
 MSVOA_W
 ClientSampleId :
 72-11990

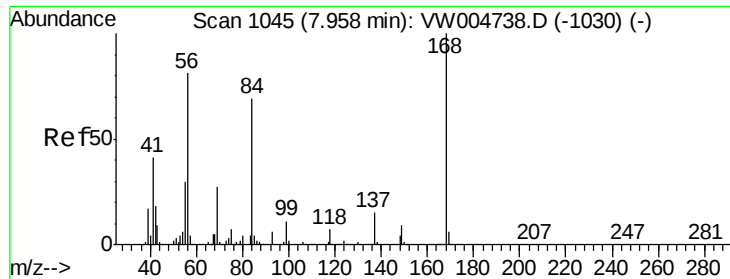
Tot Ion: 43 Resp: 3413
 Ion Ratio Lower Upper
 43 100
 72 32.3 22.0 33.0



#29
 Tetrahydrofuran
 Concen: 1.20 ug/l
 RT: 7.57 min Scan# 981
 Delta R.T. 0.04 min
 Lab File: VW004774.D
 Acq: 18 Aug 2018 11:14

Tgt Ion: 42 Resp: 961
 Ion Ratio Lower Upper
 42 100
 72 47.1 34.9 52.3
 71 20.3 33.8 50.6#





#31

Cyclohexane

Concen: 1.05 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW004774.D

Acq: 18 Aug 2018 11:14

Instrument :

MSVOA_W

ClientSampleId :

72-11990

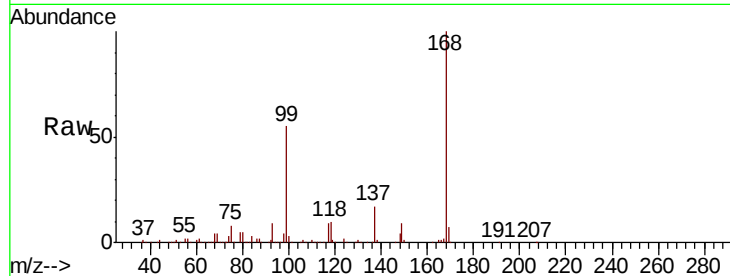
Tot Ion: 56 Resp: 8813

Ion Ratio Lower Upper

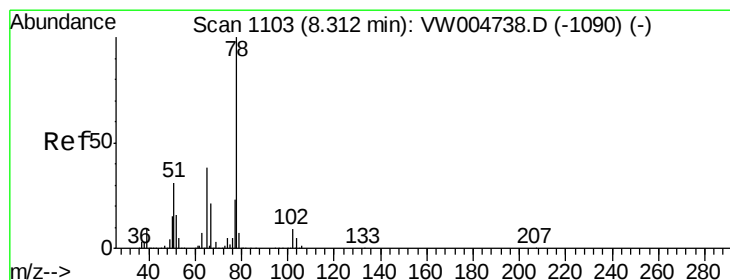
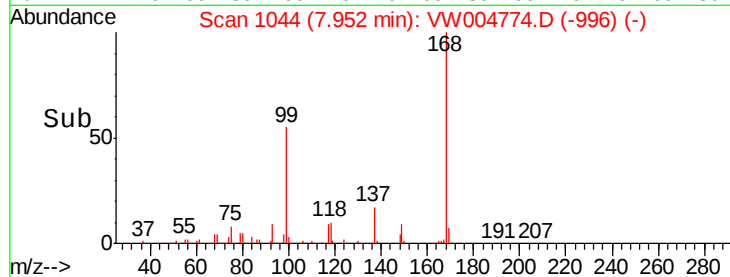
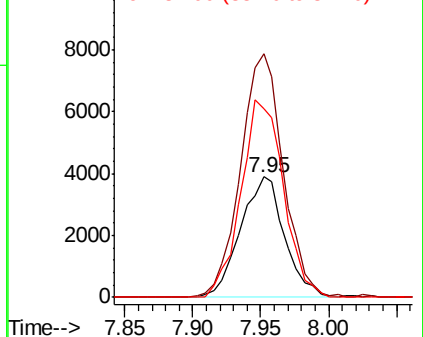
56 100

69 202.3 27.1 40.7#

84 156.6 68.3 102.5#



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



#33

1,2-Dichloroethane-d4

Concen: 67.80 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW004774.D

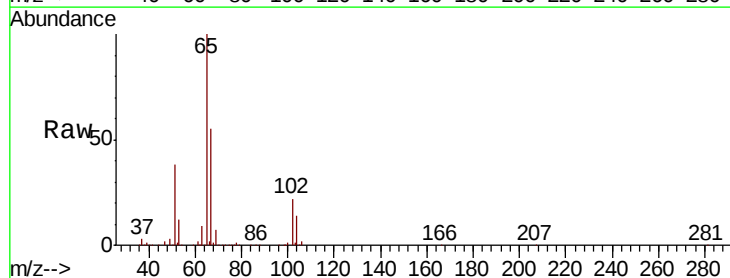
Acq: 18 Aug 2018 11:14

Tgt Ion: 65 Resp: 291543

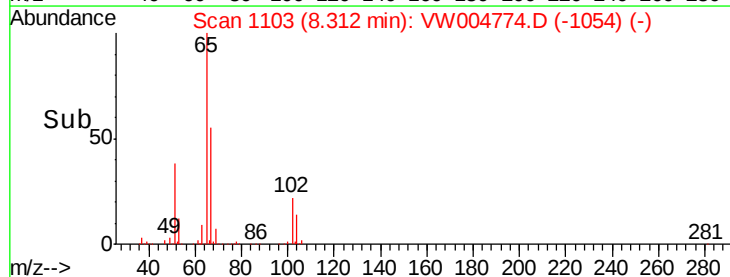
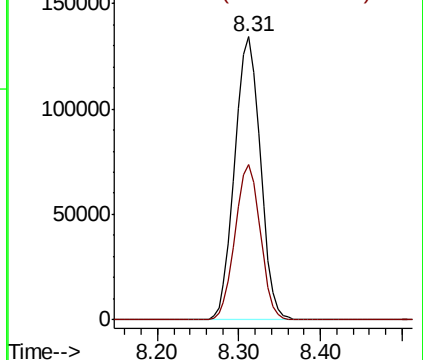
Ion Ratio Lower Upper

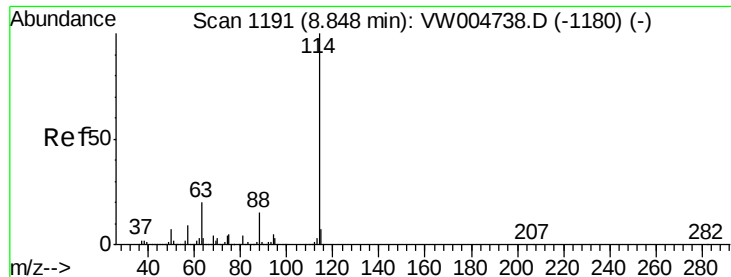
65 100

67 54.0 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

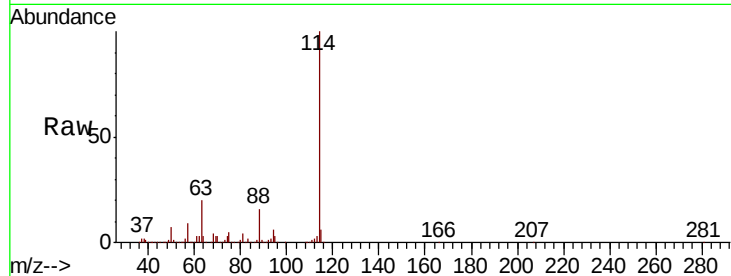




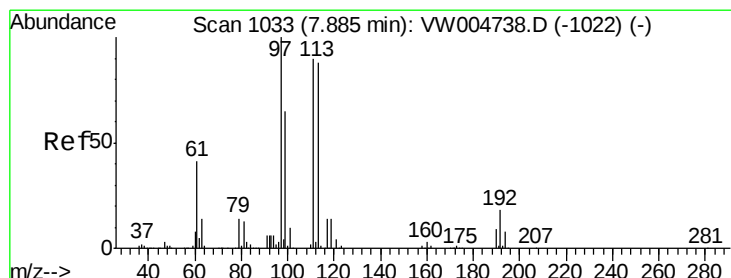
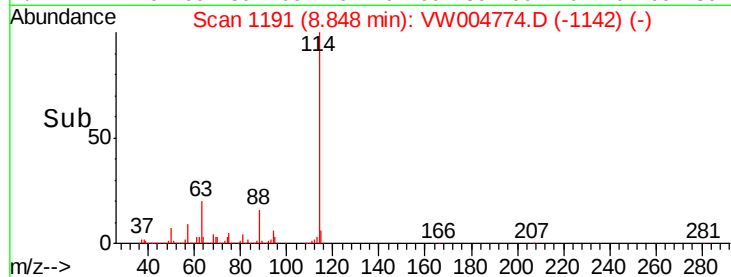
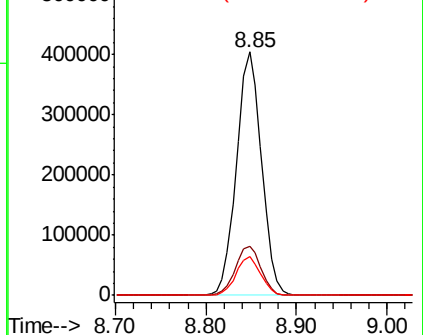
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.85 min Scan# 1191
Delta R.T. 0.00 min
Lab File: VW004774.D
Acq: 18 Aug 2018 11:14

Instrument :
MSVOA_W
ClientSampleId :
72-11990

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	39.0
88	16.0	0.0	30.0

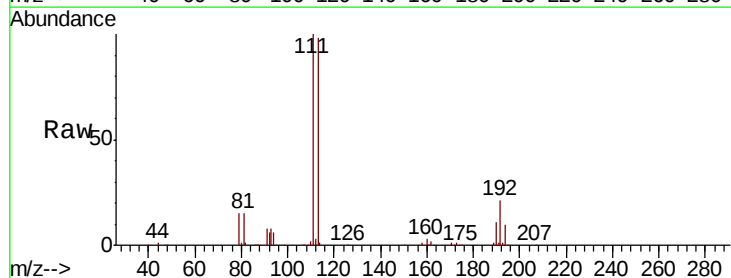


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

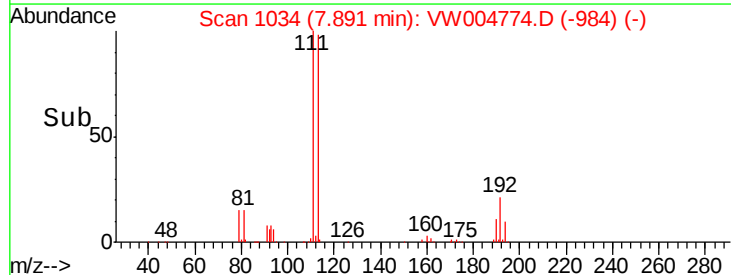
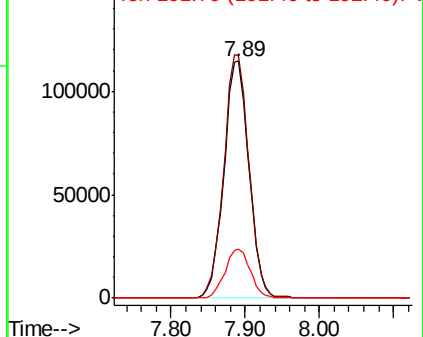


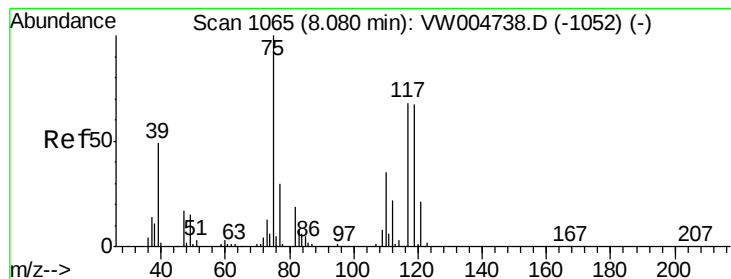
#35
Dibromofluoromethane
Concen: 54.48 ug/l
RT: 7.89 min Scan# 1034
Delta R.T. 0.01 min
Lab File: VW004774.D
Acq: 18 Aug 2018 11:14

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.4	123.6
192	21.0	16.7	25.1



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.17 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW004774.D

Acq: 18 Aug 2018 11:14

Instrument :

MSVOA_W

ClientSampleId :

72-11990

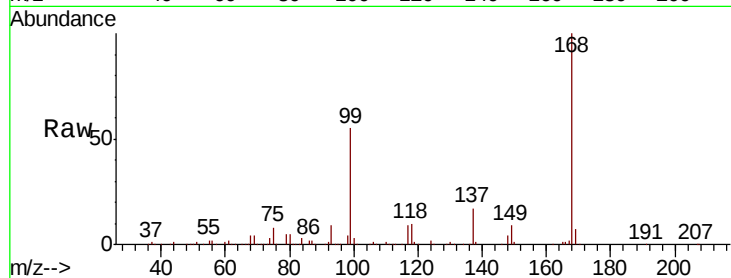
Tot Ion: 75 Resp: 33276

Ion Ratio Lower Upper

75 100

110 8.9 17.8 53.5#

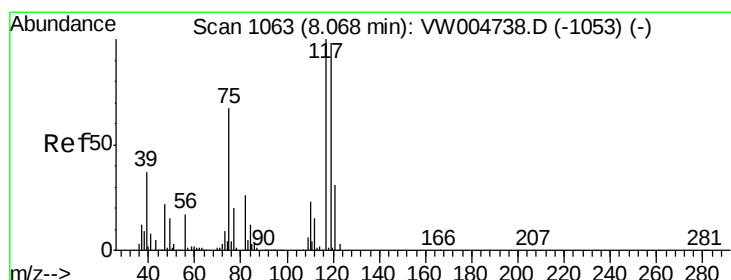
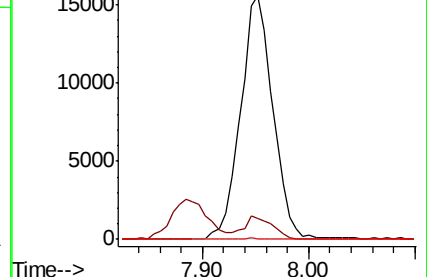
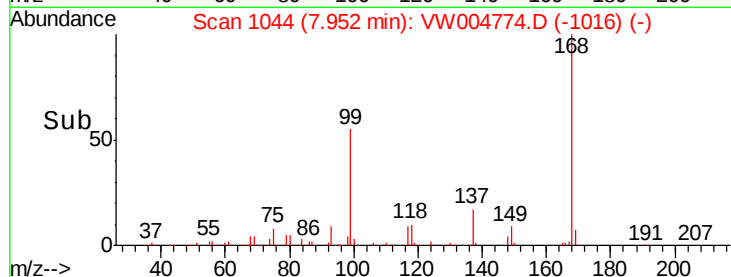
77 0.1 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW



#38

Carbon Tetrachloride

Concen: 5.64 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004774.D

Acq: 18 Aug 2018 11:14

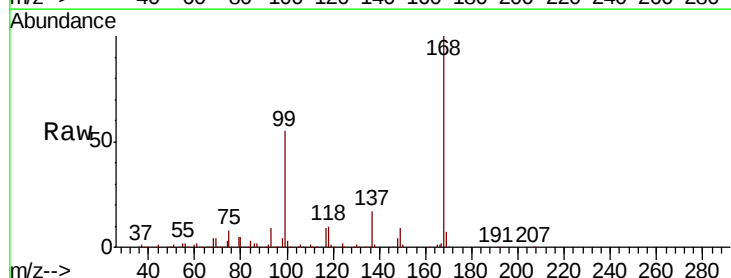
Tgt Ion: 117 Resp: 41464

Ion Ratio Lower Upper

117 100

119 6.7 78.0 117.0#

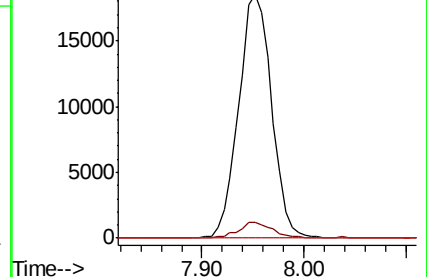
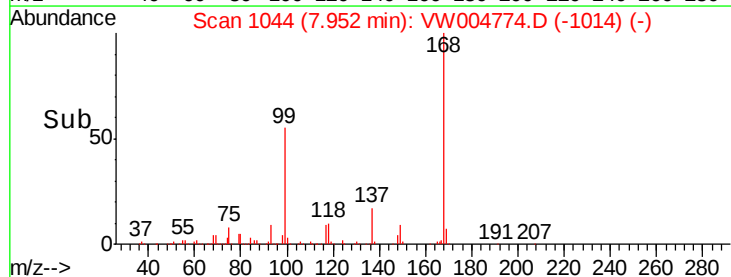
121 0.0 24.8 37.2#

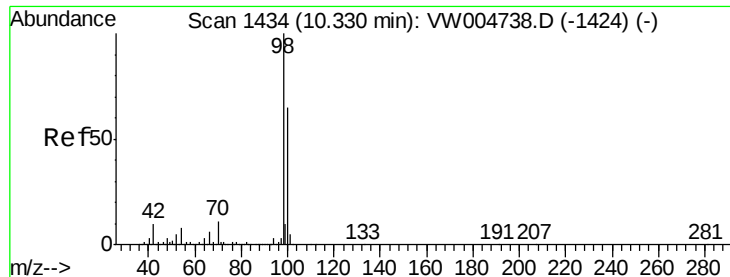


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 23.95 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004774.D

Acq: 18 Aug 2018 11:14

Instrument :

MSVOA_W

ClientSampleId :

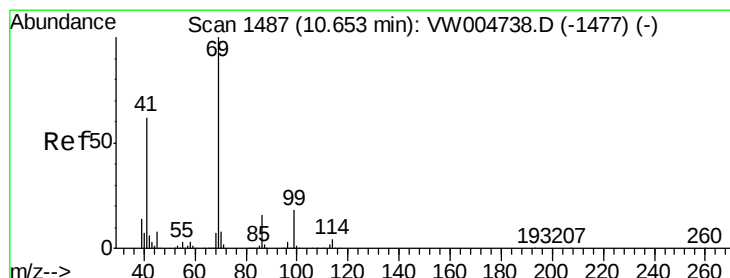
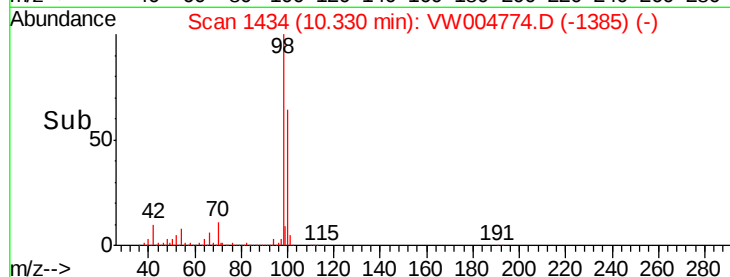
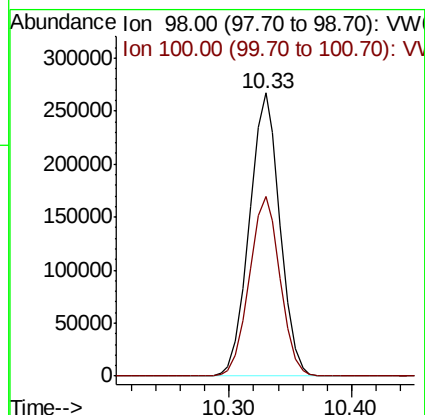
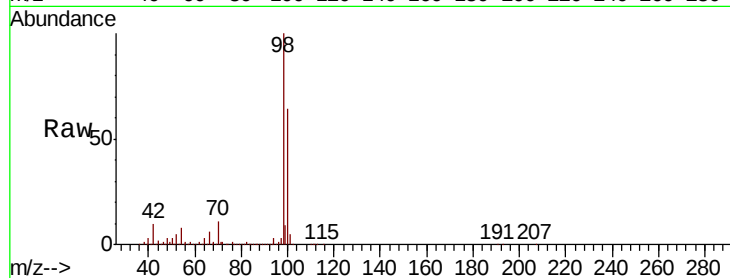
72-11990

Tot Ion: 98 Resp: 462858

Ion Ratio Lower Upper

98 100

100 64.1 51.8 77.8



#56

Ethyl methacrylate

Concen: 2.98 ug/l

RT: 10.51 min Scan# 1463

Delta R.T. -0.15 min

Lab File: VW004774.D

Acq: 18 Aug 2018 11:14

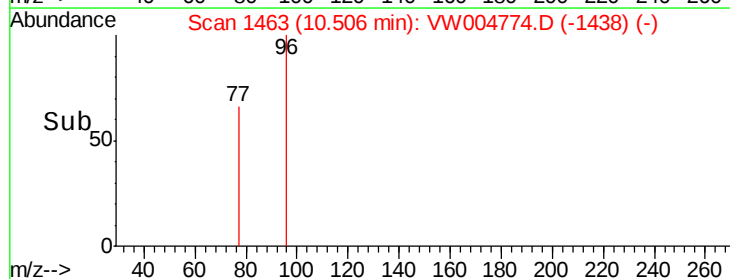
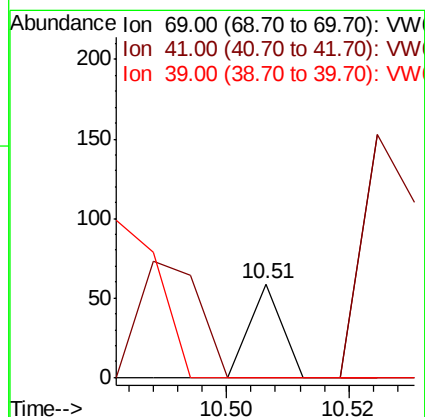
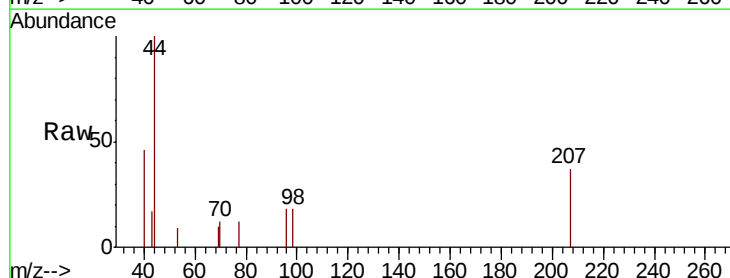
Tgt Ion: 69 Resp: 22

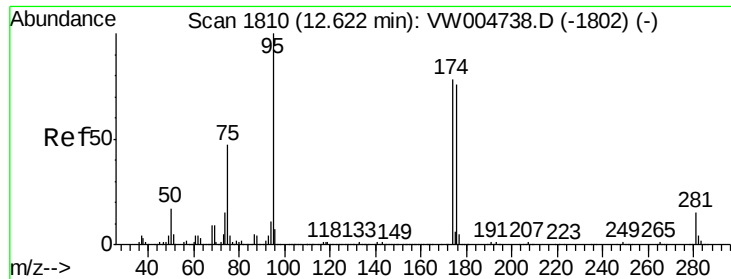
Ion Ratio Lower Upper

69 100

41 527.3 50.7 76.1#

39 0.0 21.4 32.2#

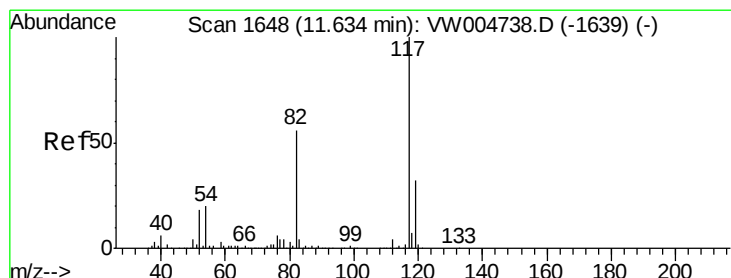
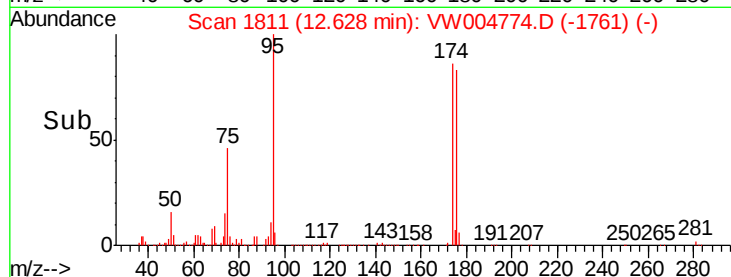
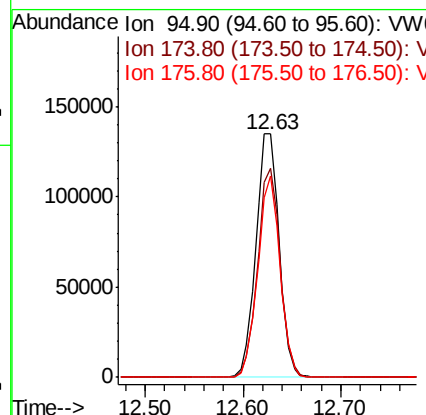
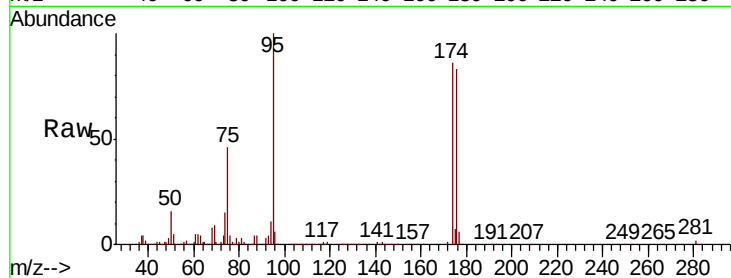




#62
4-Bromofluorobenzene
Concen: 31.89 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.01 min
Lab File: VW004774.D
Acq: 18 Aug 2018 11:14

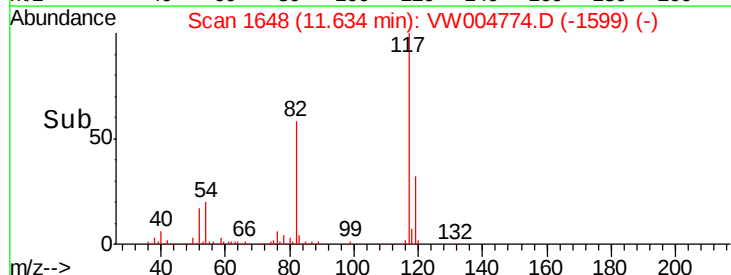
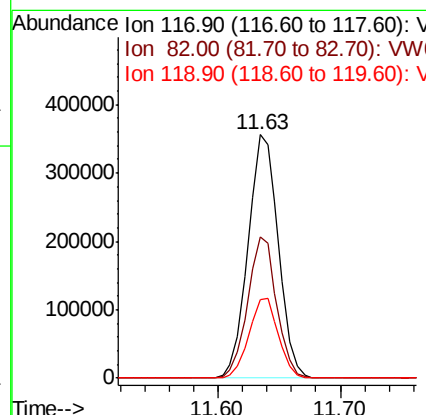
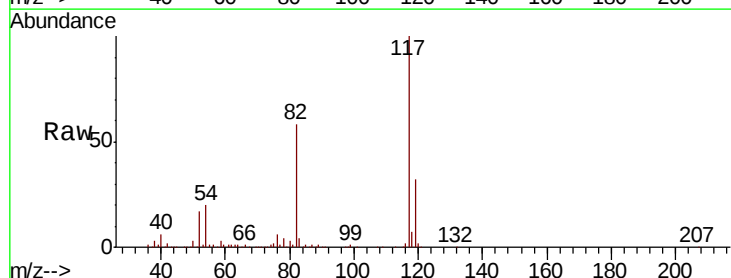
Instrument :
MSVOA_W
ClientSampleId :
72-11990

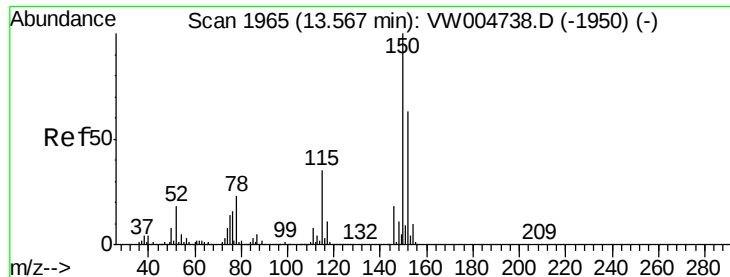
Tot Ion: 95 Resp: 221746
Ion Ratio Lower Upper
95 100
174 83.8 0.0 165.8
176 79.4 0.0 159.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004774.D
Acq: 18 Aug 2018 11:14

Tgt Ion: 117 Resp: 612003
Ion Ratio Lower Upper
117 100
82 58.1 44.6 67.0
119 32.4 25.6 38.4

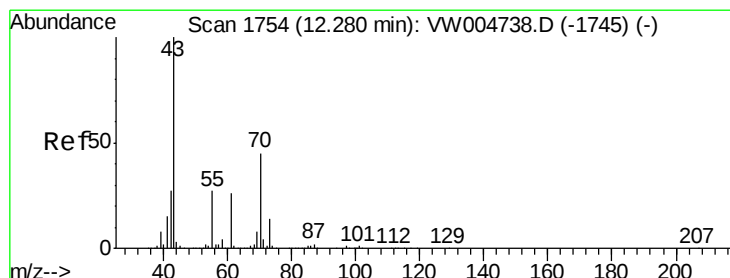
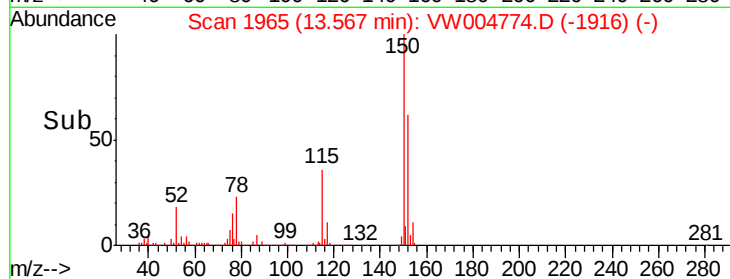
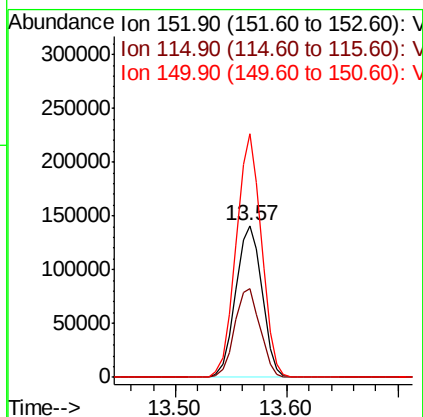
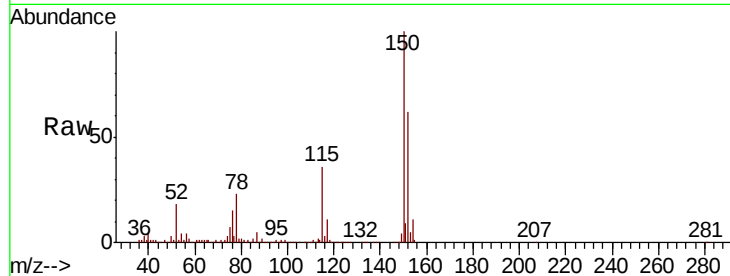




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.57 min Scan# 1965
 Delta R.T. 0.00 min
 Lab File: VW004774.D
 Acq: 18 Aug 2018 11:14

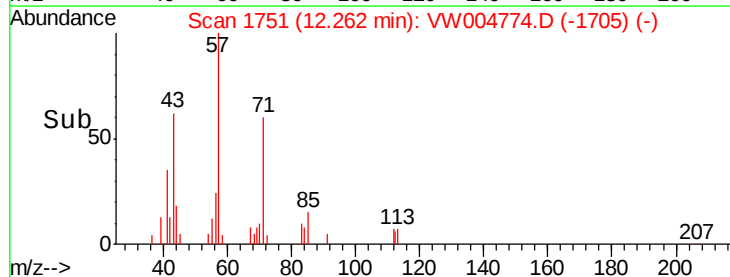
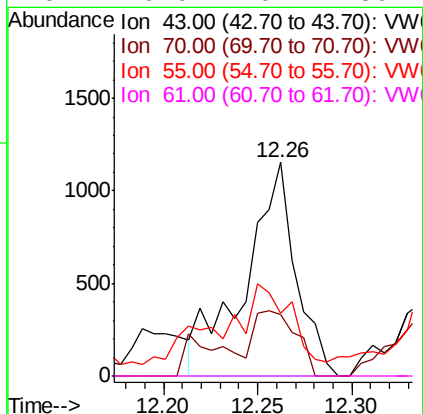
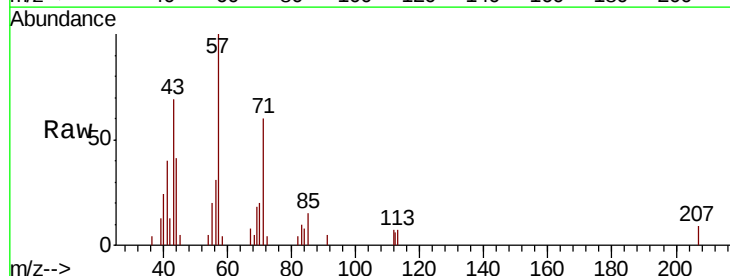
Instrument :
 MSVOA_W
 ClientSampleId :
 72-11990

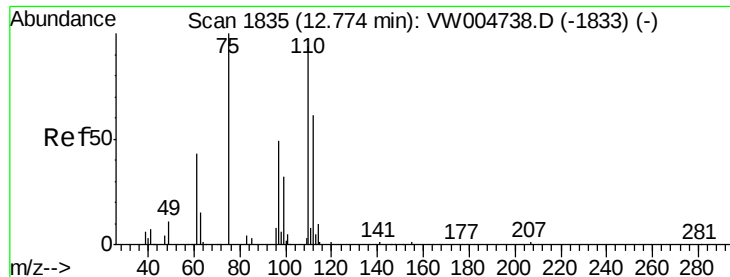
Tot Ion	Ratio	Lower	Upper
152	100		
115	57.2	28.5	85.5
150	154.7	0.0	344.8



#74
 N-ethyl acetate
 Concen: 4.56 ug/l
 RT: 12.26 min Scan# 1751
 Delta R.T. -0.02 min
 Lab File: VW004774.D
 Acq: 18 Aug 2018 11:14

Tgt Ion	Ratio	Lower	Upper
43	100		
70	24.9	36.3	54.5#
55	31.9	22.6	33.8
61	0.0	20.2	30.4#





#76

1,2,3-Trichloropropane

Concen: 51.28 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004774.D

Acq: 18 Aug 2018 11:14

Instrument :

MSVOA_W

ClientSampleId :

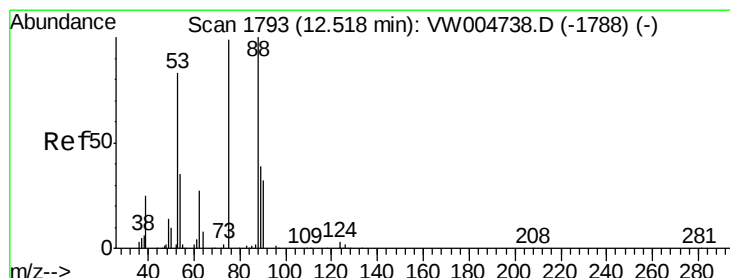
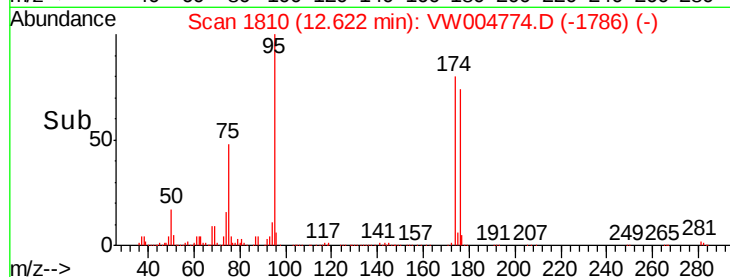
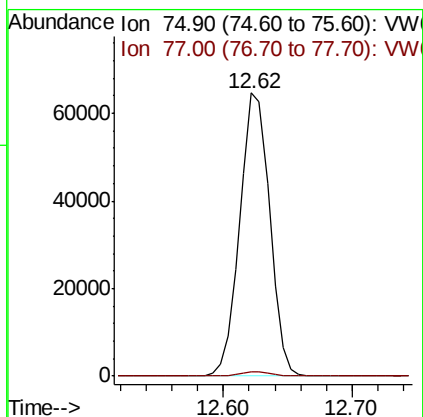
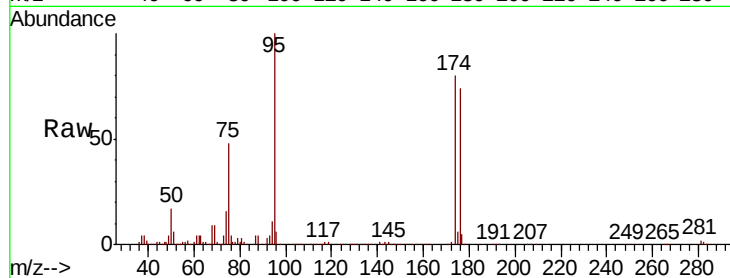
72-11990

Tot Ion: 75 Resp: 103769

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 119.18 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004774.D

Acq: 18 Aug 2018 11:14

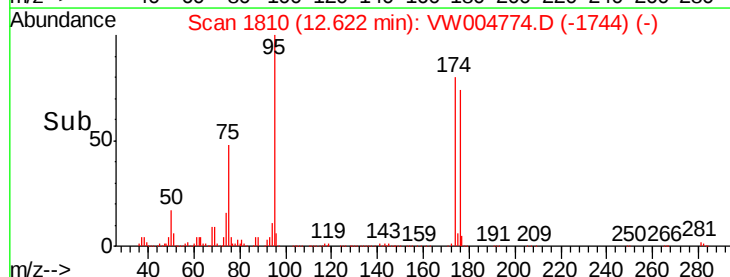
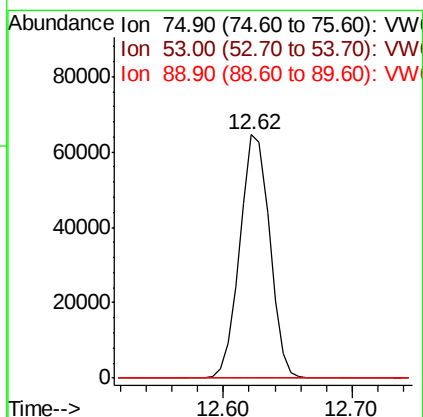
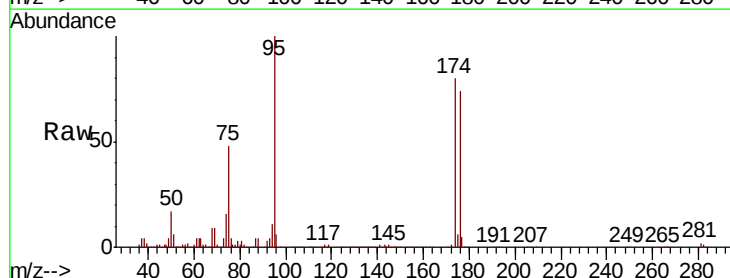
Tgt Ion: 75 Resp: 103769

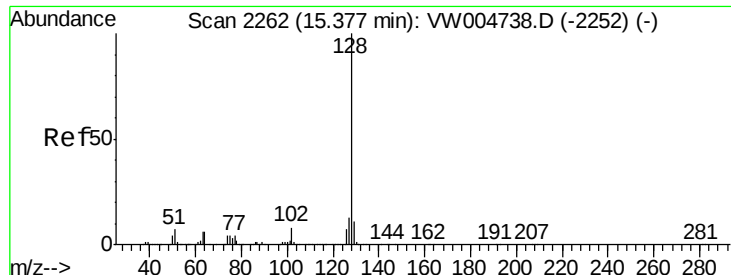
Ion Ratio Lower Upper

75 100

53 0.5 72.2 108.4#

89 0.0 35.2 52.8#





#95
Naphthalene
Concen: 3.60 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW004774.D
Acq: 18 Aug 2018 11:14

Instrument :
MSVOA_W
ClientSampleId :
72-11990

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	22.0	8.6	13.0#

