

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081918\
 Data File : VW004772.D
 Acq On : 18 Aug 2018 10:22
 Operator : SY/AP
 Sample : J4521-10
 Misc : 5.83G/5ML/MSVOA W/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 72-11975

Quant Time: Aug 20 12:00:40 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	593062	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	966718	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	653623	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	286534	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	307740	53.67	ug/l	0.00
Spiked Amount			Recovery	=	107.34%	
35) Dibromofluoromethane	7.88	113	290376	47.00	ug/l	0.00
Spiked Amount			Recovery	=	94.00%	
50) Toluene-d8	10.33	98	497269	20.62	ug/l	0.00
Spiked Amount			Recovery	=	41.24%	
62) 4-Bromofluorobenzene	12.62	95	262031	30.20	ug/l	0.00
Spiked Amount			Recovery	=	60.40%	

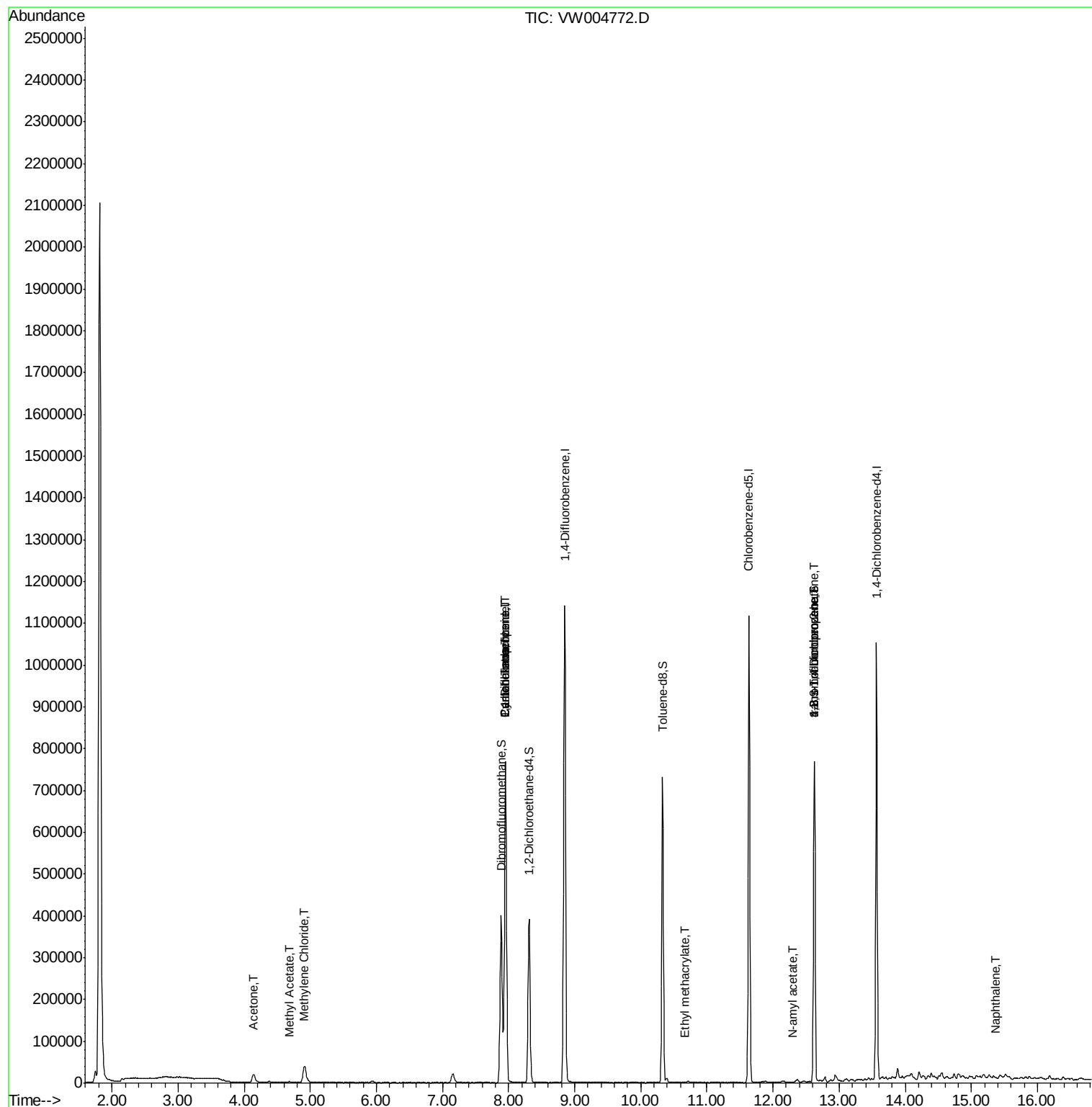
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.15	43	38914	26.59	ug/l	92
18) Methyl Acetate	4.69	43	4453	1.42	ug/l	92
20) Methylene Chloride	4.92	84	35488	1.09	ug/l	95
31) Cyclohexane	7.95	56	11505	1.03	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	43248	4.34	ug/l #	49
38) Carbon Tetrachloride	7.95	117	56642	6.18	ug/l #	16
56) Ethyl methacrylate	10.67	69	26	2.98	ug/l #	1
74) N-amyl acetate	12.29	43	183	4.06	ug/l #	40
76) 1,2,3-Trichloropropane	12.62	75	126766	50.19	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	126766	116.65	ug/l #	14
95) Naphthalene	15.38	128	870	3.58	ug/l #	77

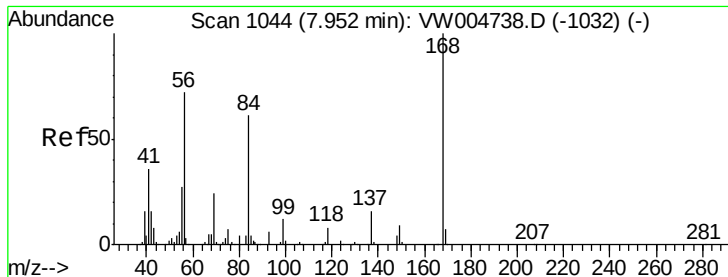
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW004772.D

Acq: 18 Aug 2018 10:22

Instrument :

MSVOA_W

ClientSampleId :

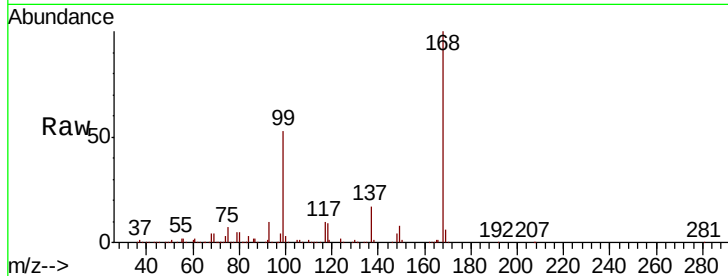
72-11975

Tot Ion:168 Resp: 593062

Ion Ratio Lower Upper

168 100

99 52.9 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

250000

200000

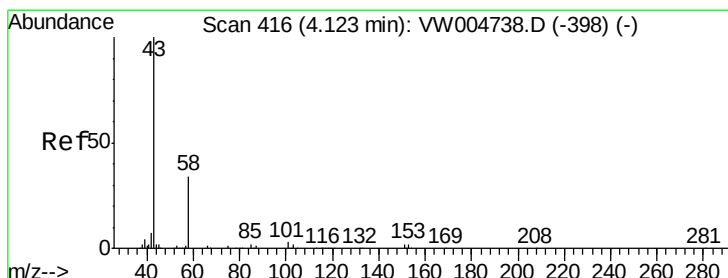
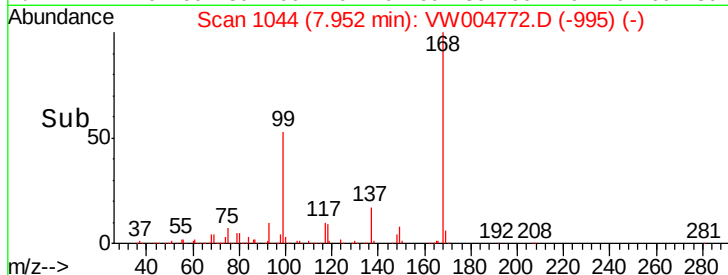
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 26.59 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.02 min

Lab File: VW004772.D

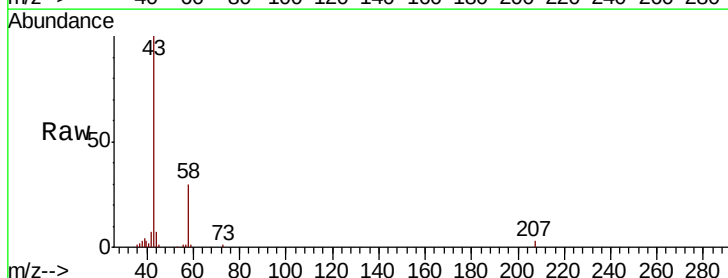
Acq: 18 Aug 2018 10:22

Tgt Ion: 43 Resp: 38914

Ion Ratio Lower Upper

43 100

58 29.6 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

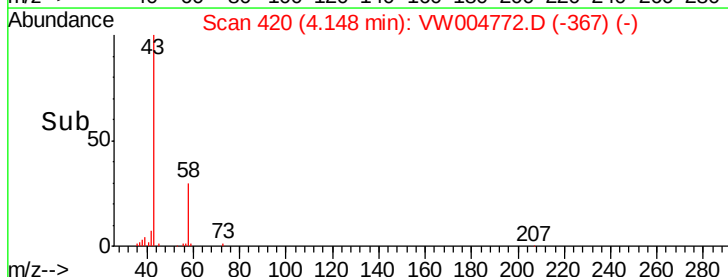
4.15

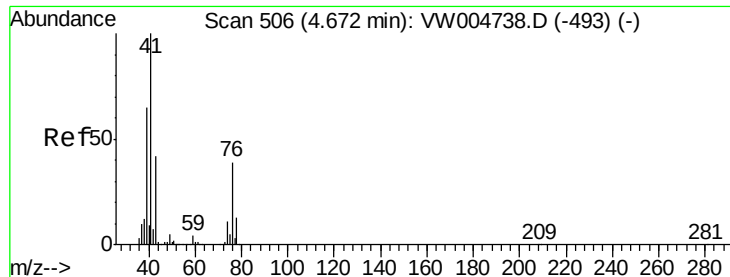
10000

5000

0

Time--> 4.00 4.10 4.20 4.30

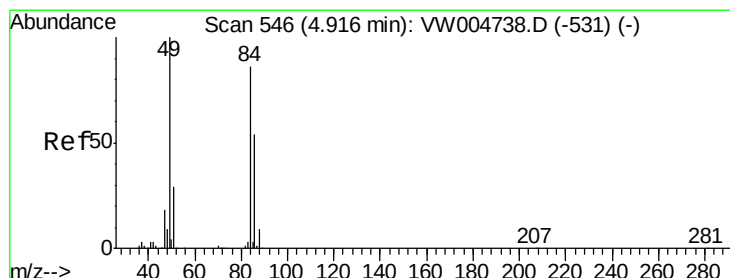
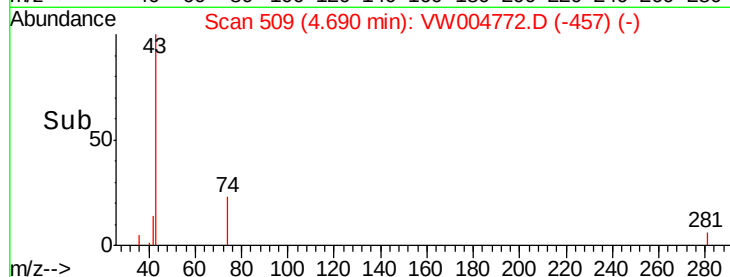
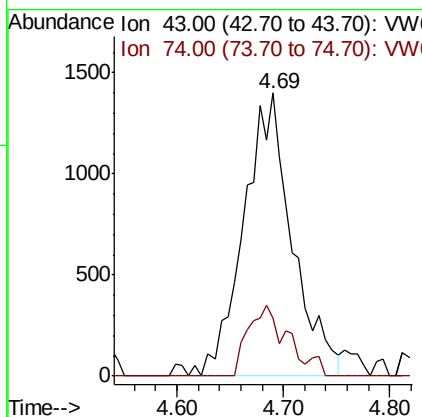
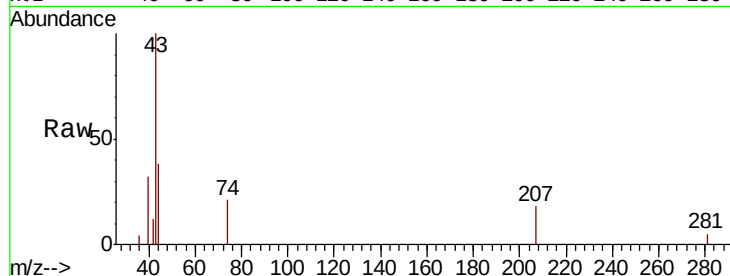




#18
Methyl Acetate
Concen: 1.42 ug/l
RT: 4.69 min Scan# 509
Delta R.T. 0.02 min
Lab File: VW004772.D
Acq: 18 Aug 2018 10:22

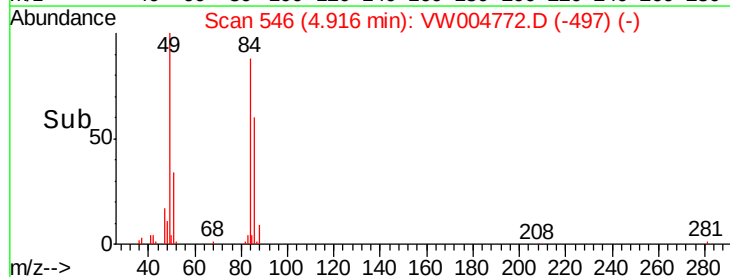
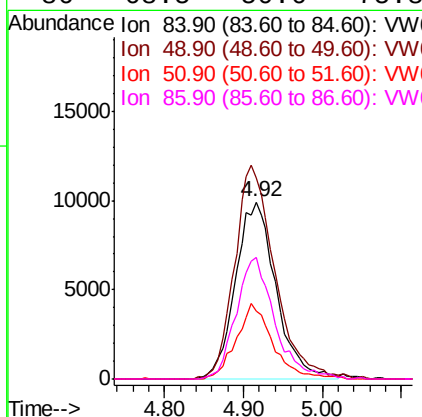
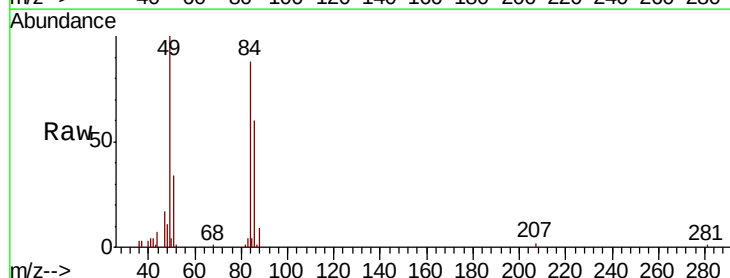
Instrument :
MSVOA_W
ClientSampleId :
72-11975

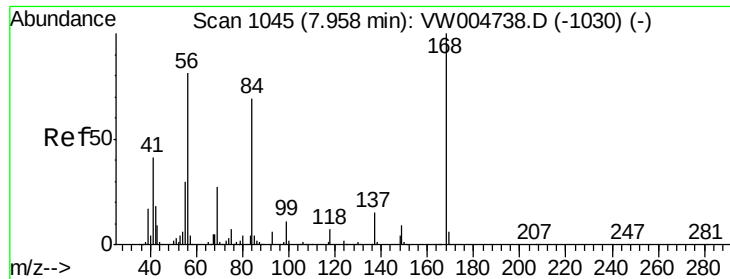
Tot Ion: 43 Resp: 4453
Ion Ratio Lower Upper
43 100
74 20.7 19.8 29.8



#20
Methylene Chloride
Concen: 1.09 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.00 min
Lab File: VW004772.D
Acq: 18 Aug 2018 10:22

Tgt Ion: 84 Resp: 35488
Ion Ratio Lower Upper
84 100
49 113.3 93.2 139.8
51 38.1 27.4 41.0
86 68.5 50.6 75.8

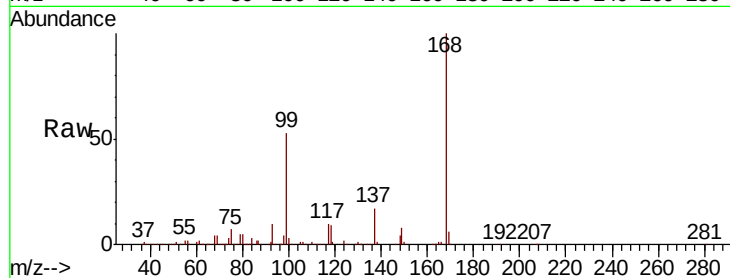




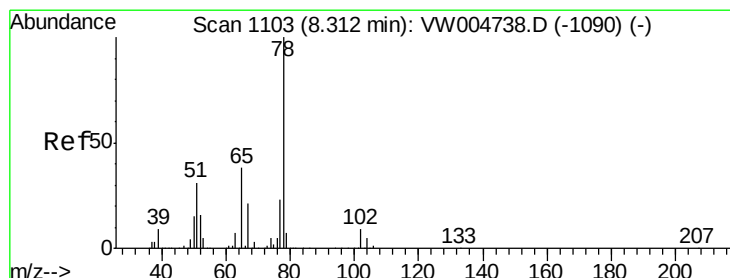
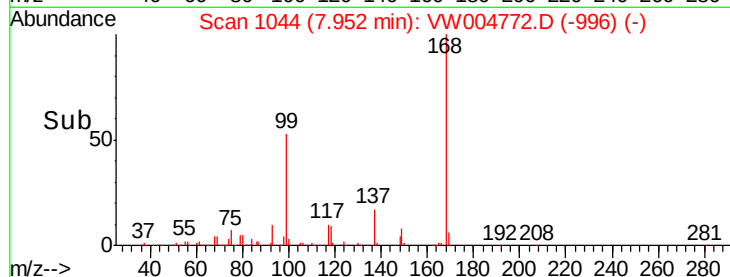
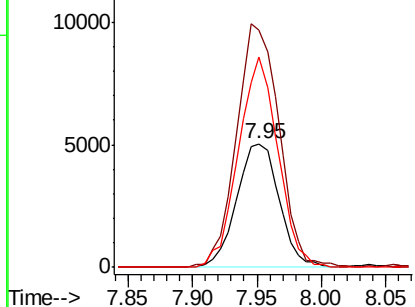
#31
Cyclohexane
Concen: 1.03 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW004772.D
Acq: 18 Aug 2018 10:22

Instrument :
MSVOA_W
ClientSampleId :
72-11975

Tot Ion: 56 Resp: 11505
Ion Ratio Lower Upper
56 100
69 192.0 27.1 40.7#
84 170.2 68.3 102.5#

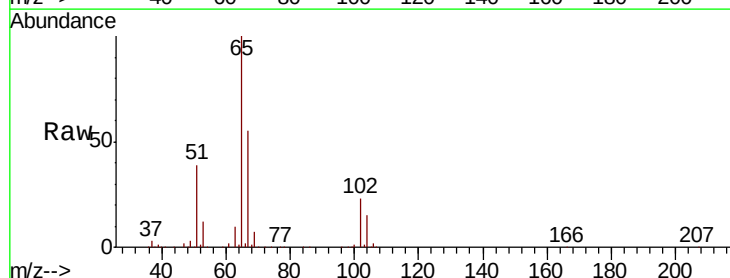


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

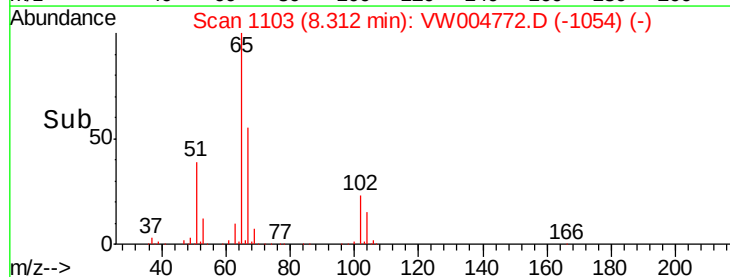
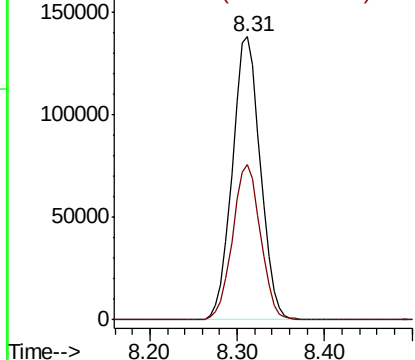


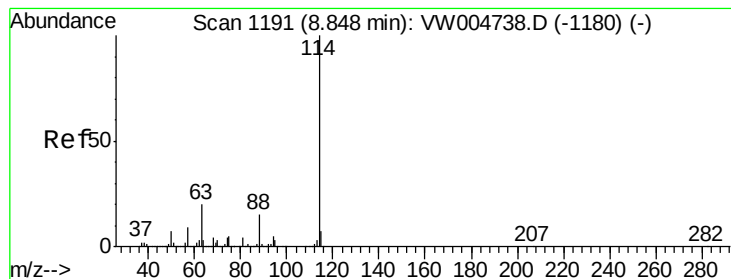
#33
1,2-Dichloroethane-d4
Concen: 53.67 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VW004772.D
Acq: 18 Aug 2018 10:22

Tgt Ion: 65 Resp: 307740
Ion Ratio Lower Upper
65 100
67 54.5 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: VW004772.D

Acq: 18 Aug 2018 10:22

Instrument :

MSVOA_W

ClientSampleId :

72-11975

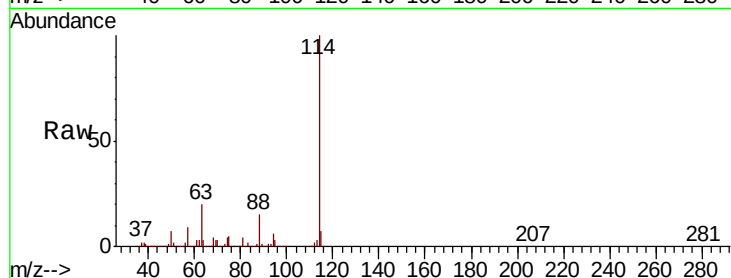
Tot Ion:114 Resp: 966718

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.0

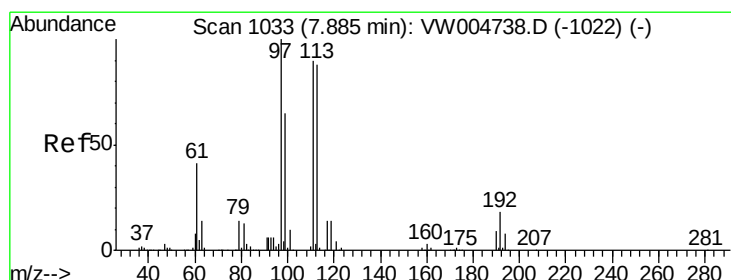
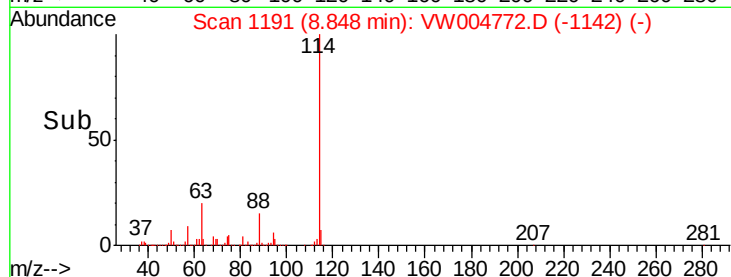
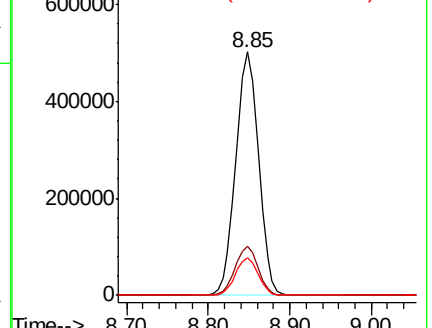
88 15.5 0.0 30.0



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: 47.00 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW004772.D

Acq: 18 Aug 2018 10:22

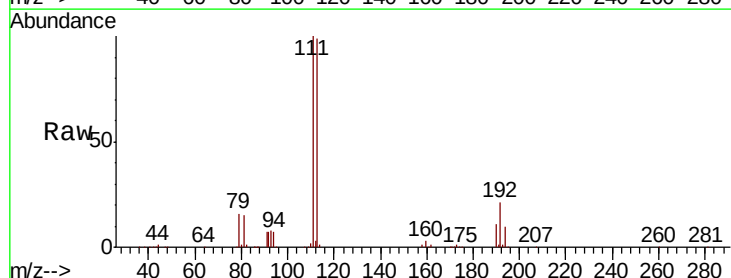
Tgt Ion:113 Resp: 290376

Ion Ratio Lower Upper

113 100

111 102.3 82.4 123.6

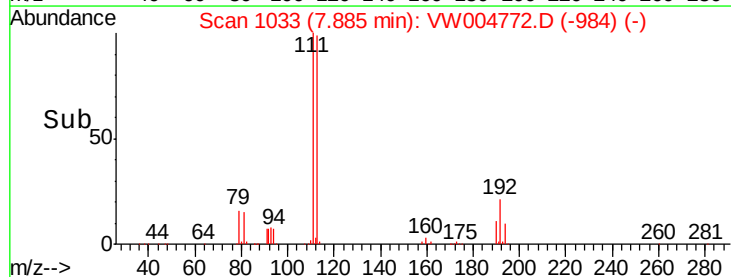
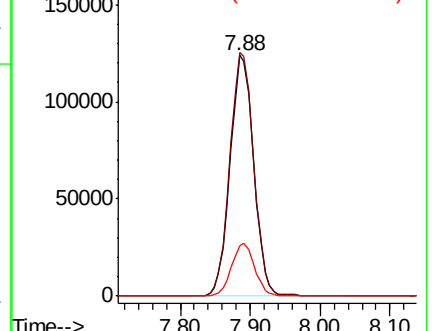
192 21.4 16.7 25.1

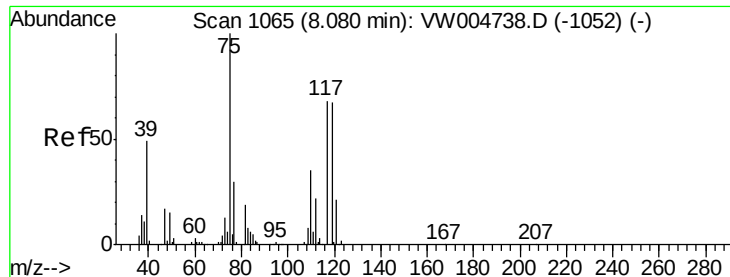


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.34 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW004772.D

Acq: 18 Aug 2018 10:22

Instrument :

MSVOA_W

ClientSampleId :

72-11975

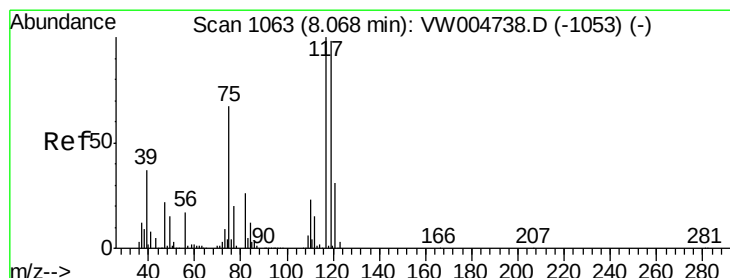
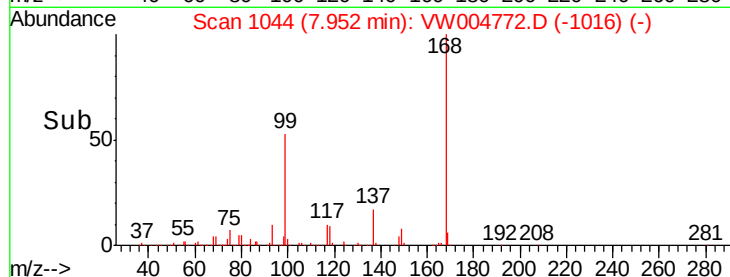
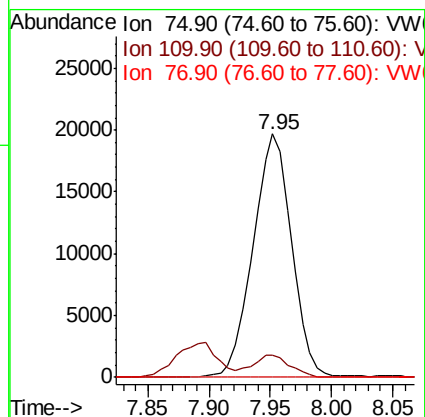
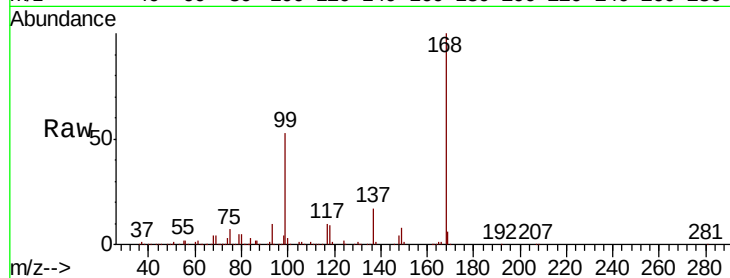
Tot Ion: 75 Resp: 43248

Ion Ratio Lower Upper

75 100

110 8.8 17.8 53.5#

77 0.1 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 6.18 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004772.D

Acq: 18 Aug 2018 10:22

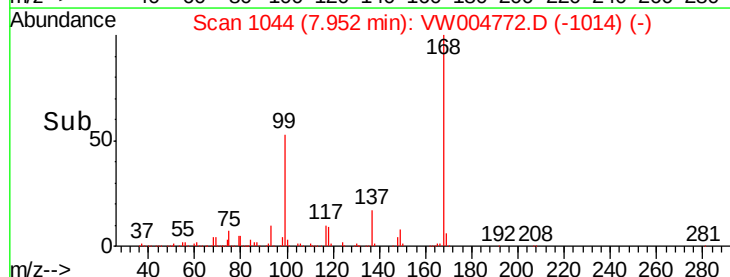
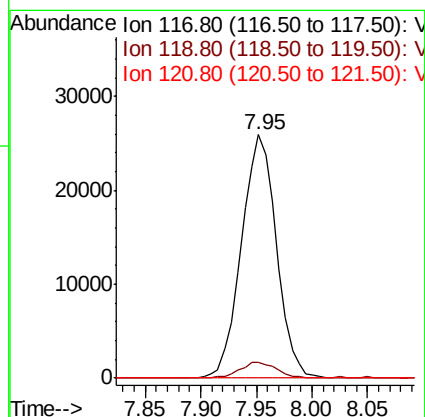
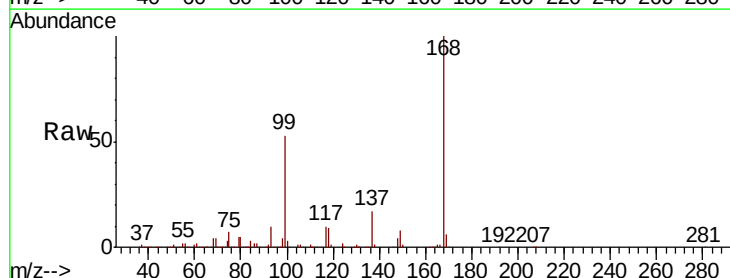
Tgt Ion: 117 Resp: 56642

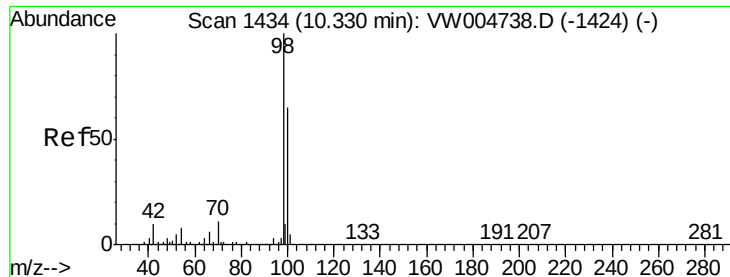
Ion Ratio Lower Upper

117 100

119 6.4 78.0 117.0#

121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 20.62 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004772.D

Acq: 18 Aug 2018 10:22

Instrument :

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ClientSampleId :

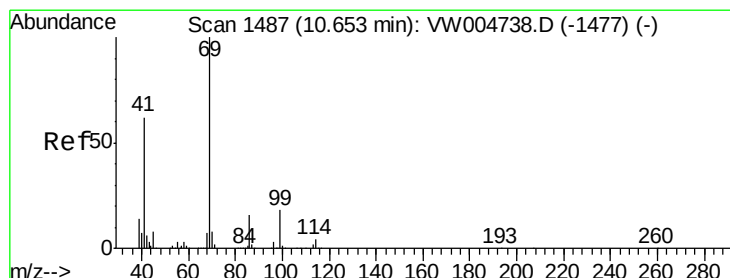
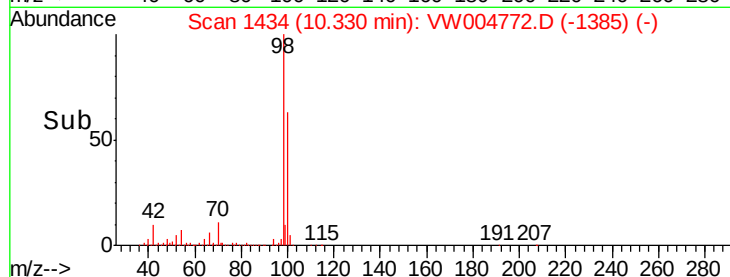
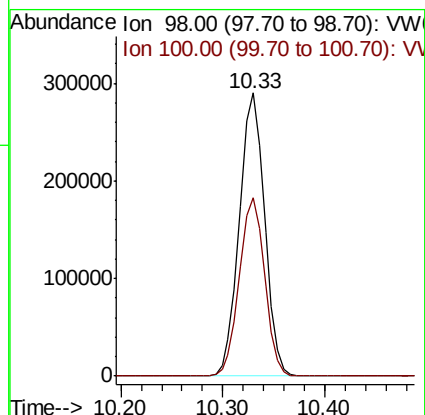
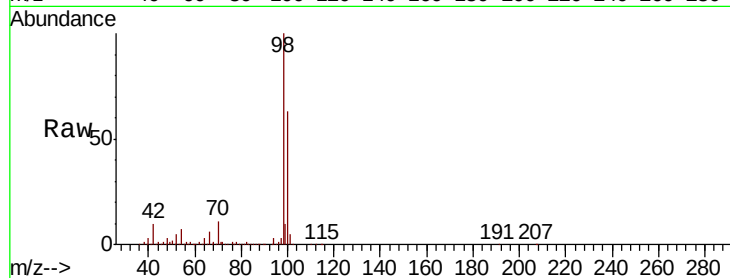
72-11975

Tot Ion: 98 Resp: 497269

Ion Ratio Lower Upper

98 100

100 63.1 51.8 77.8



#56

Ethyl methacrylate

Concen: 2.98 ug/l

RT: 10.67 min Scan# 1490

Delta R.T. 0.02 min

Lab File: VW004772.D

Acq: 18 Aug 2018 10:22

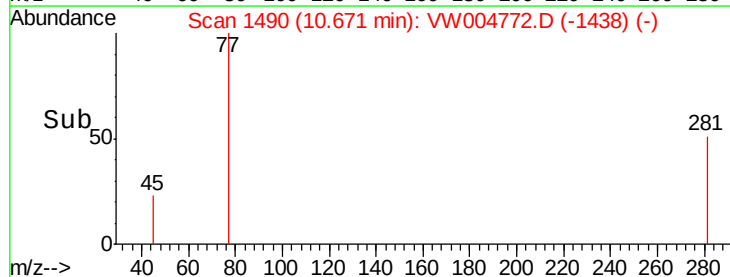
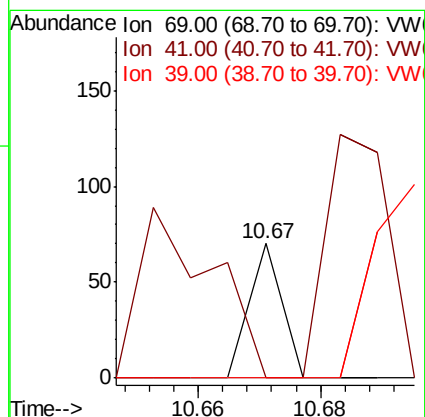
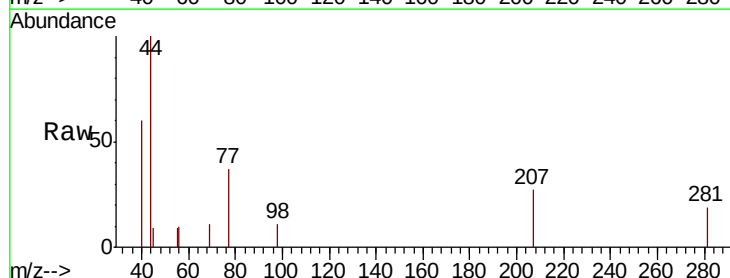
Tgt Ion: 69 Resp: 26

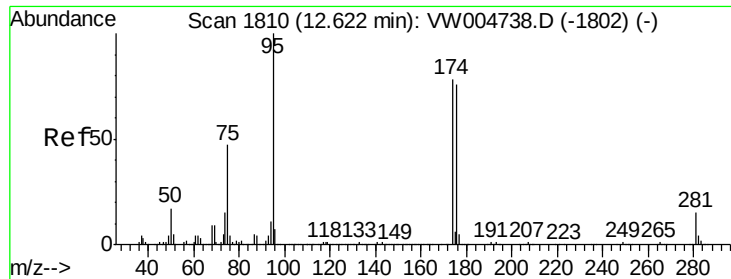
Ion Ratio Lower Upper

69 100

41 284.6 50.7 76.1#

39 0.0 21.4 32.2#





#62

4-Bromofluorobenzene

Concen: 30.20 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004772.D

Acq: 18 Aug 2018 10:22

Instrument :

MSVOA_W

ClientSampleId :

72-11975

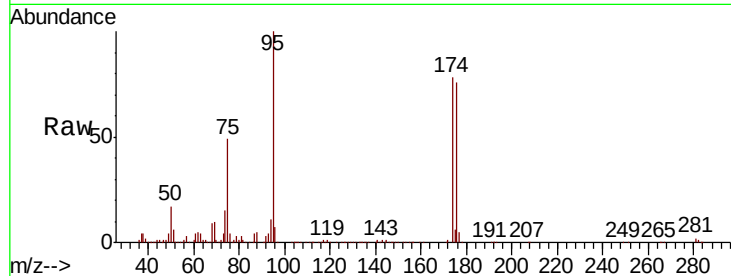
Tot Ion: 95 Resp: 262031

Ion Ratio Lower Upper

95 100

174 83.7 0.0 165.8

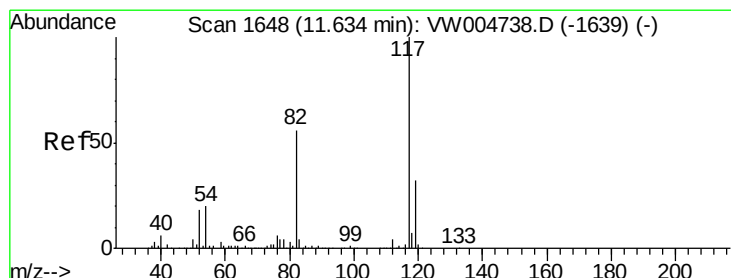
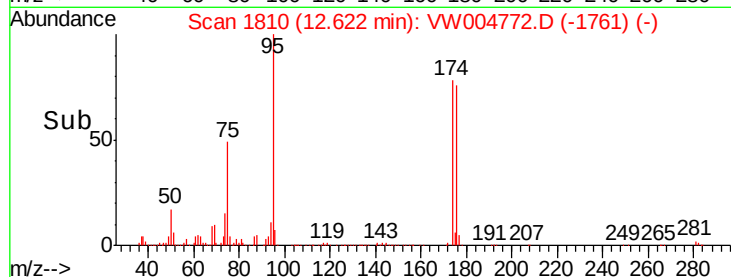
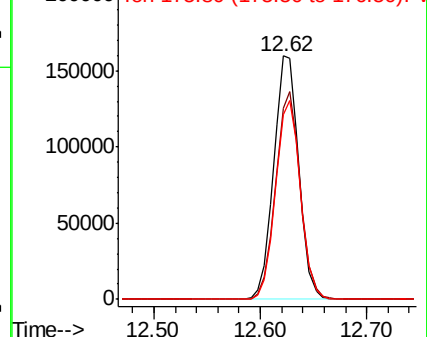
176 81.0 0.0 159.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.63 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VW004772.D

Acq: 18 Aug 2018 10:22

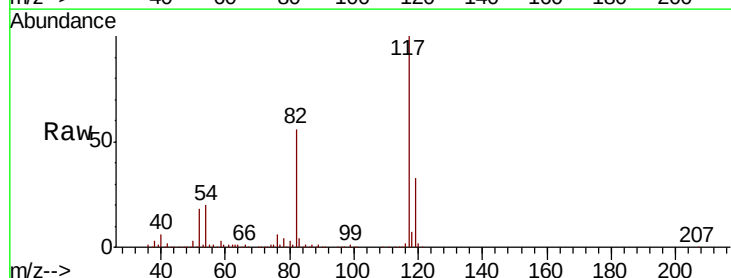
Tgt Ion: 117 Resp: 653623

Ion Ratio Lower Upper

117 100

82 56.4 44.6 67.0

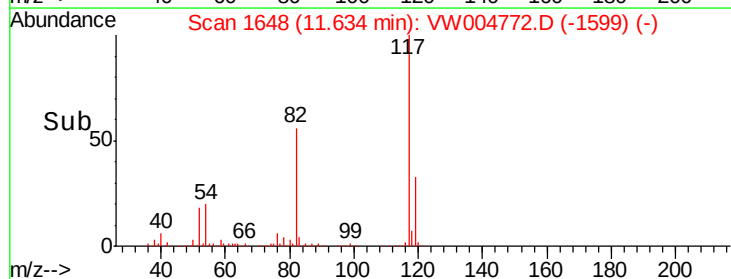
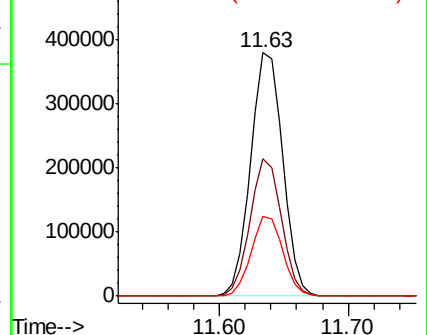
119 32.7 25.6 38.4

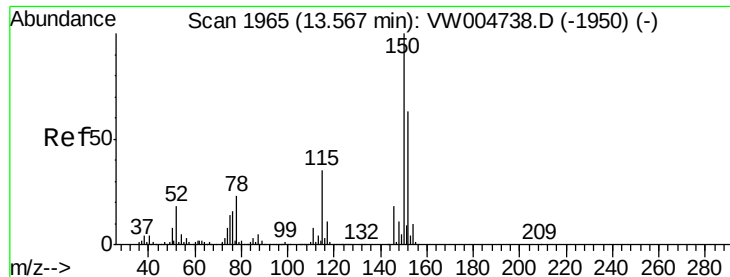


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

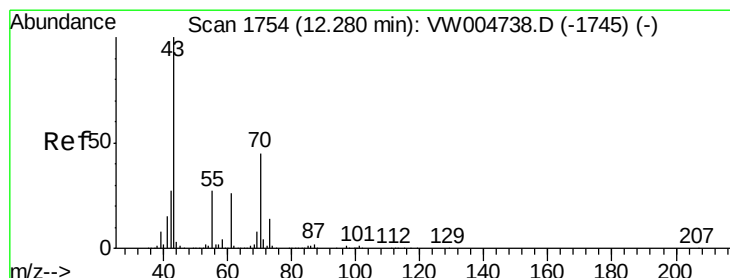
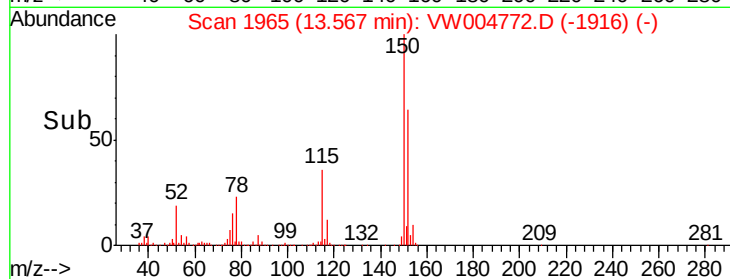
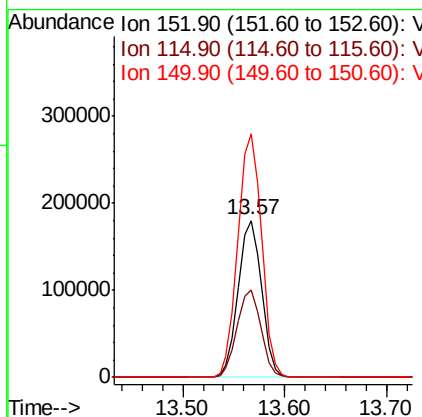
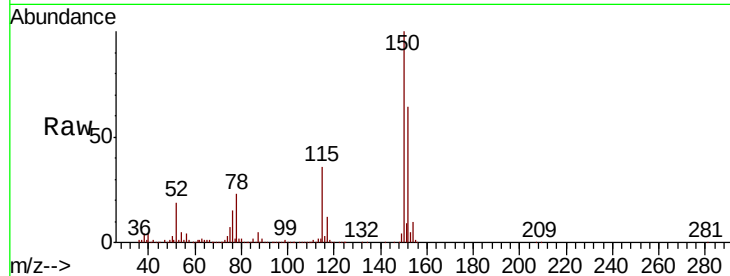




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.57 min Scan# 1965
 Delta R.T. 0.00 min
 Lab File: VW004772.D
 Acq: 18 Aug 2018 10:22

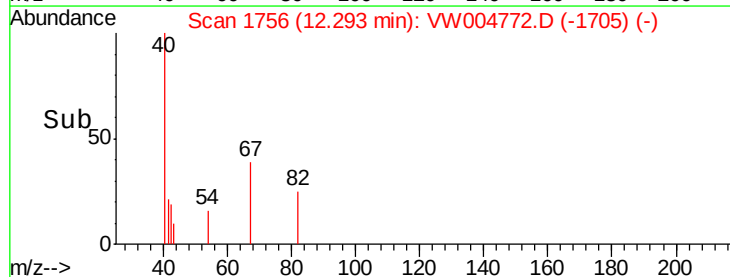
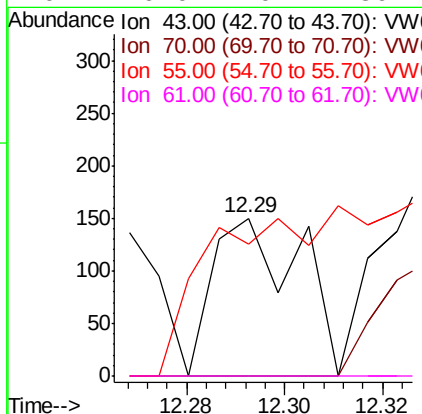
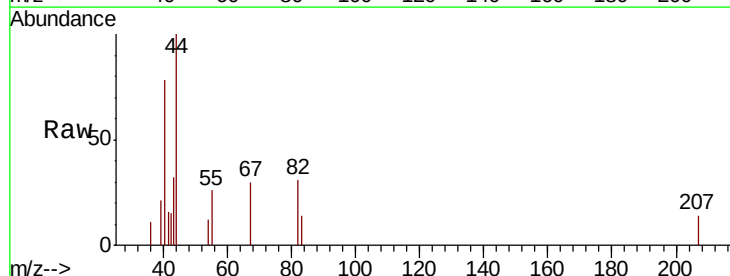
Instrument :
 MSVOA_W
 ClientSampleId :
 72-11975

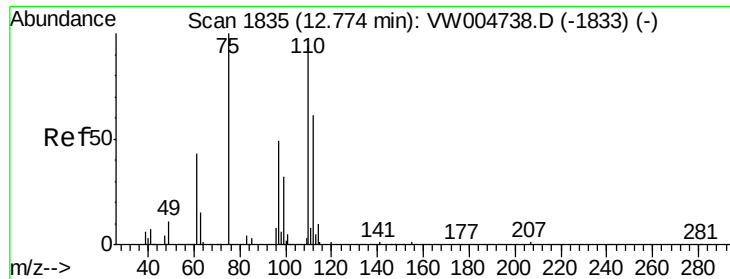
Tot Ion	Ratio	Lower	Upper
152	100		
115	56.9	28.5	85.5
150	157.0	0.0	344.8



#74
 N-ethyl acetate
 Concen: 4.06 ug/l
 RT: 12.29 min Scan# 1756
 Delta R.T. 0.01 min
 Lab File: VW004772.D
 Acq: 18 Aug 2018 10:22

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

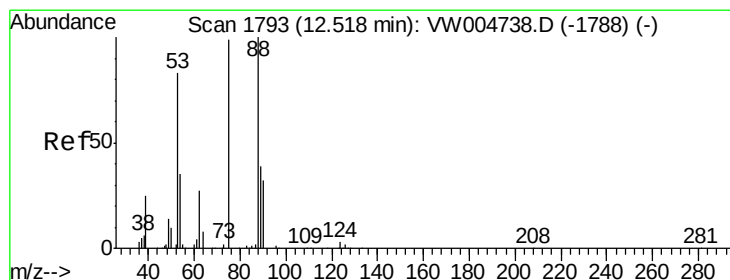
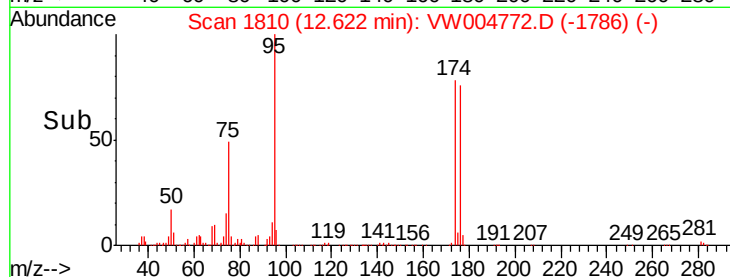
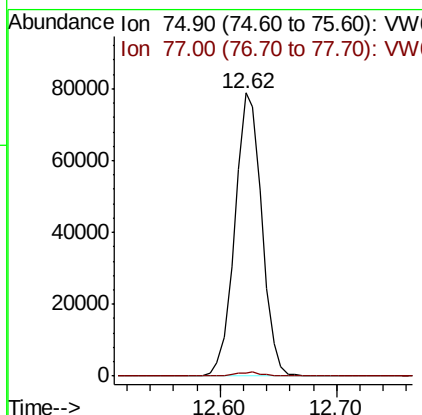
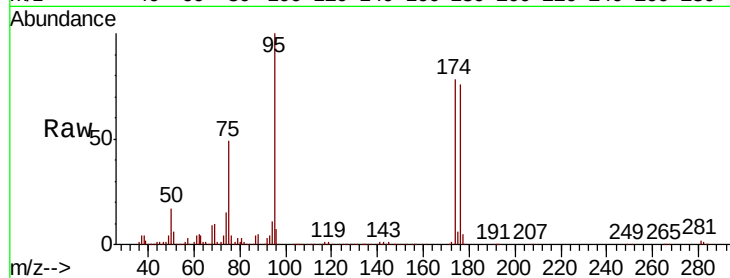




#76
 1,2,3-Trichloropropane
 Concen: 50.19 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.15 min
 Lab File: VW004772.D
 Acq: 18 Aug 2018 10:22

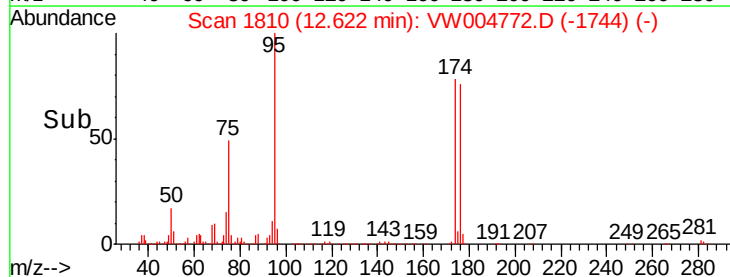
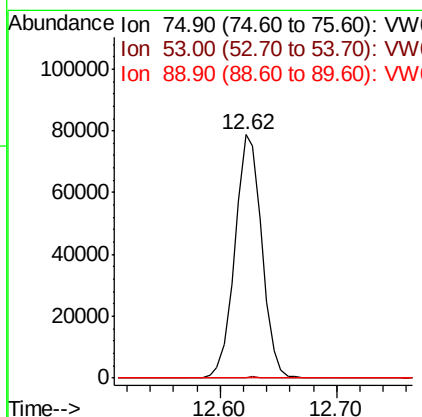
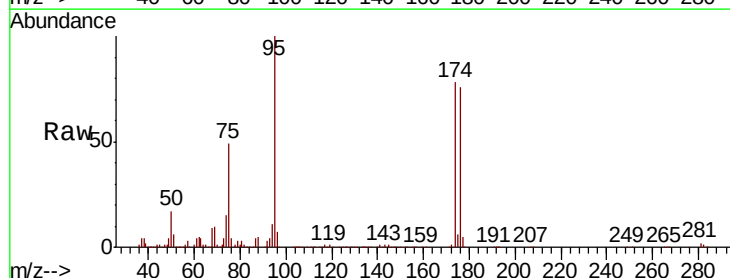
Instrument :
 MSVOA_W
 ClientSampleId :
 72-11975

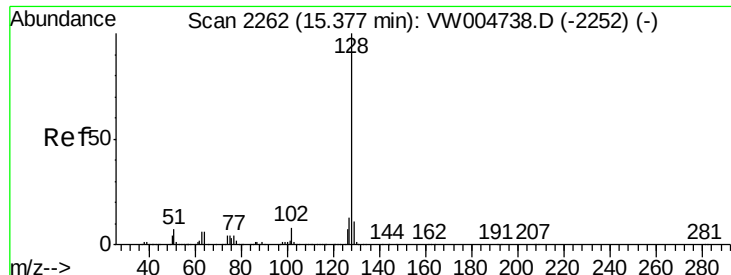
Tot Ion: 75 Resp: 126766
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 116.65 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW004772.D
 Acq: 18 Aug 2018 10:22

Tgt Ion: 75 Resp: 126766
 Ion Ratio Lower Upper
 75 100
 53 0.5 72.2 108.4#
 89 0.0 35.2 52.8#





#95

Naphthalene

Concen: 3.58 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004772.D

Acq: 18 Aug 2018 10:22

Instrument :

MSVOA_W

ClientSampleId :

72-11975

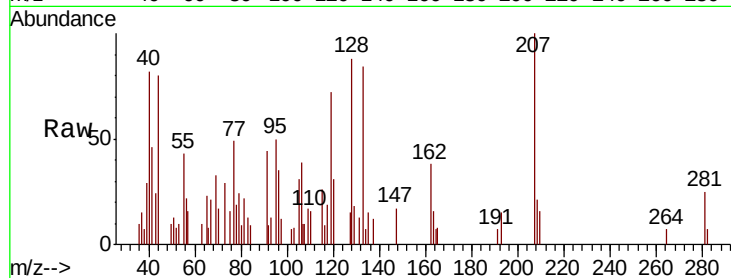
Tot Ion:128 Resp: 870

Ion Ratio Lower Upper

128 100

127 27.6 10.4 15.6#

129 13.3 8.6 13.0#



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

