

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122318\
 Data File : VW007801.D
 Acq On : 21 Dec 2018 18:04
 Operator : SY/AP
 Sample : J6392-01RE
 Misc : 4.48G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

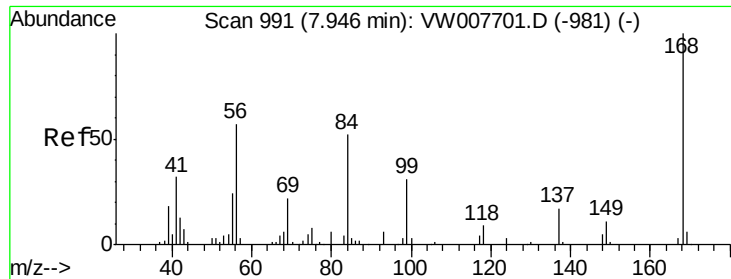
Quant Time: Dec 21 23:49:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	43580	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	63028	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	39078	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	9957	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	25816	54.05	ug/l	0.00
Spiked Amount			Recovery	=	108.10%	
35) Dibromofluoromethane	7.88	113	21642	56.29	ug/l	0.00
Spiked Amount			Recovery	=	112.58%	
50) Toluene-d8	10.32	98	69275	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	
62) 4-Bromofluorobenzene	12.62	95	16210	28.95	ug/l	0.00
Spiked Amount			Recovery	=	57.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	1266	39.290	ug/l #	73
16) Acetone	4.12	43	8543	95.510	ug/l #	90
20) Methylene Chloride	4.90	84	375	Below Cal	#	41
25) 2-Butanone	7.18	43	2766	26.401	ug/l	96
26) 2,2-Dichloropropane	7.15	77	587	1.033	ug/l #	53
31) Cyclohexane	7.95	56	895	1.259	ug/l #	26
36) 1,1-Dichloropropene	7.94	75	3256	5.352	ug/l #	47
37) Ethyl Acetate	7.18	43	2766	13.175	ug/l #	68
38) Carbon Tetrachloride	7.95	117	4678	6.530	ug/l #	17
52) Toluene	10.38	92	1297	1.191	ug/l	94
68) m/p-Xylenes	11.84	106	1459	2.591	ug/l	94
76) 1,2,3-Trichloropropane	12.62	75	8149	105.889	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	8149	222.268	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.26	105	1775	2.710	ug/l	88
95) Naphthalene	15.37	128	1794	4.559	ug/l #	72

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007801.D

Acq: 21 Dec 2018 18:04

Instrument :

MSVOA_W

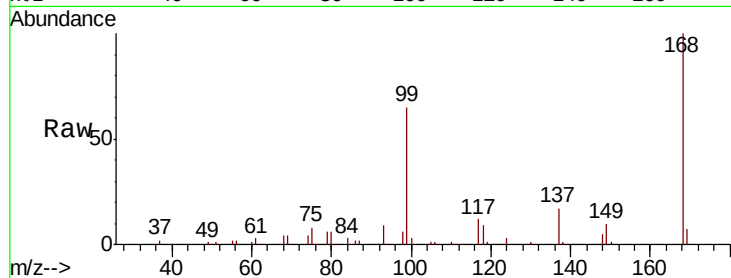
ClientSampleId :

Tot Ion:168 Resp: 43580

Ion Ratio Lower Upper

168 100

99 64.9 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

20000

15000

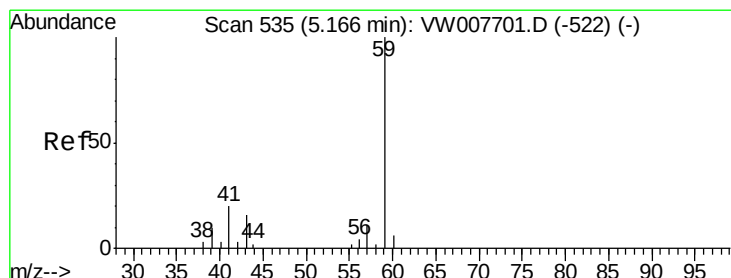
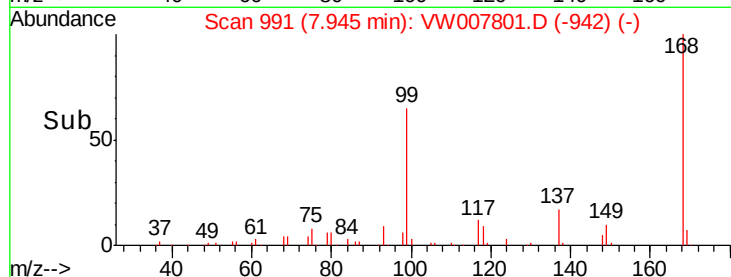
10000

5000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#11

Tert butyl alcohol

Concen: 39.290 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.05 min

Lab File: VW007801.D

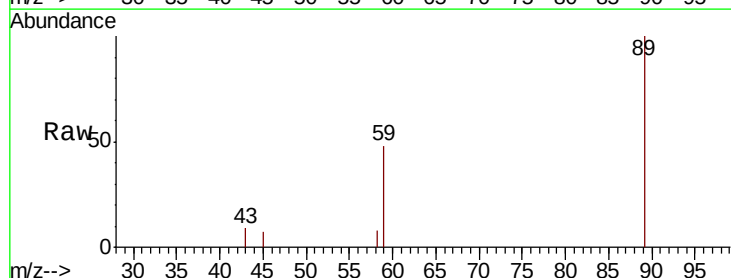
Acq: 21 Dec 2018 18:04

Tgt Ion: 59 Resp: 1266

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

400

300

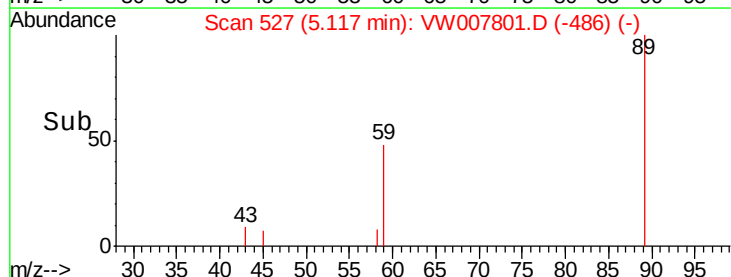
200

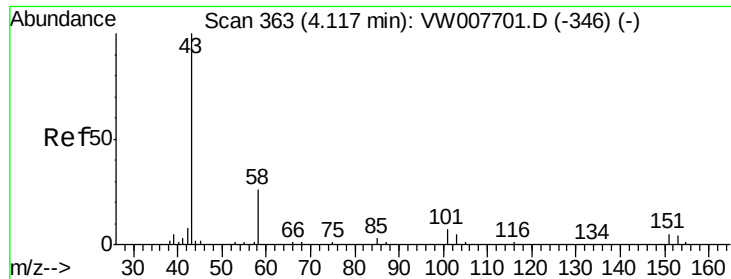
100

0

5.05 5.10 5.15

Time-->





#16

Acetone

Concen: 95.510 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007801.D

Acq: 21 Dec 2018 18:04

Instrument :

MSVOA_W

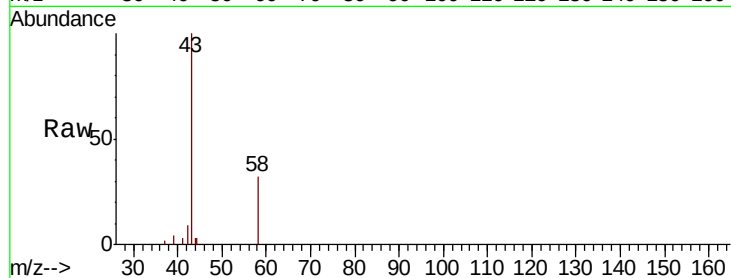
ClientSampleId :

Tot Ion: 43 Resp: 8543

Ion Ratio Lower Upper

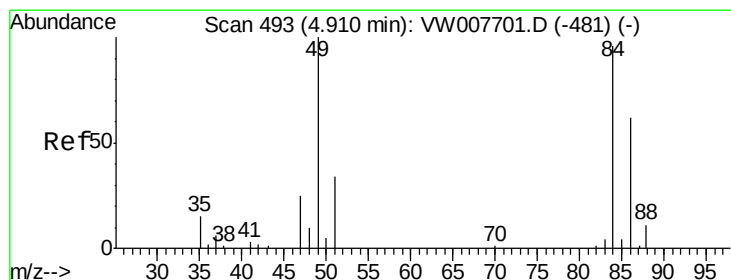
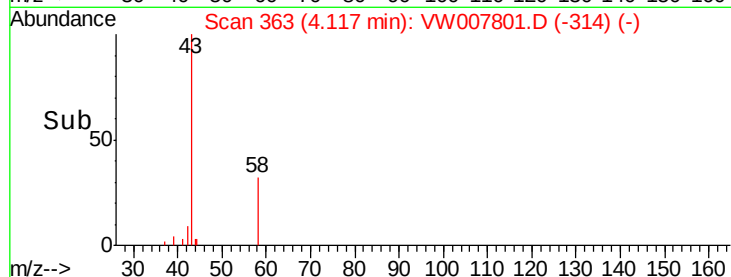
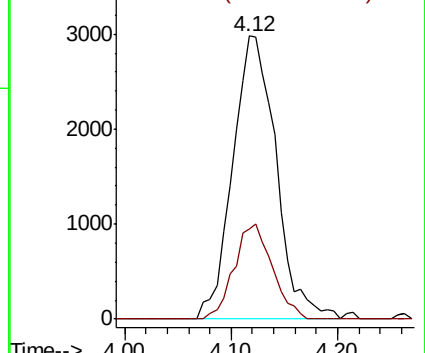
43 100

58 31.9 21.2 31.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW007801.D

Acq: 21 Dec 2018 18:04

Tgt Ion: 84 Resp: 375

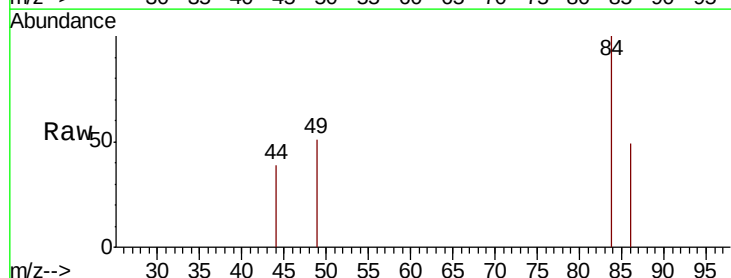
Ion Ratio Lower Upper

84 100

49 20.4 83.7 125.5#

51 0.0 28.2 42.2#

86 49.3 52.2 78.2#

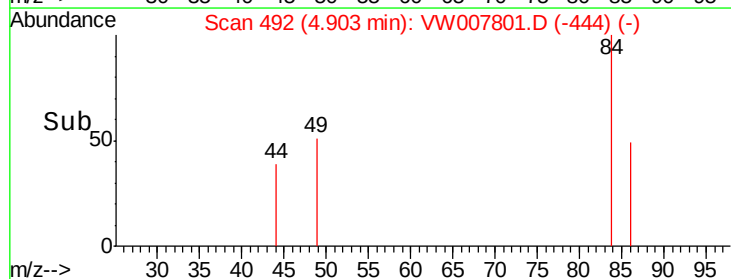
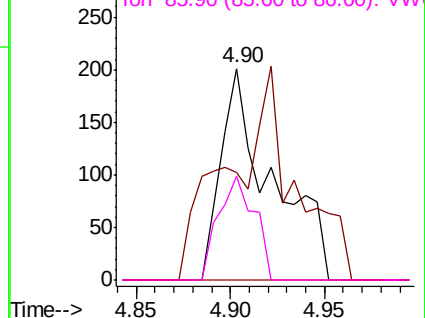


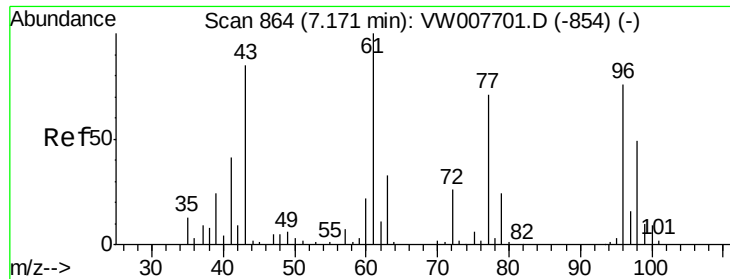
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

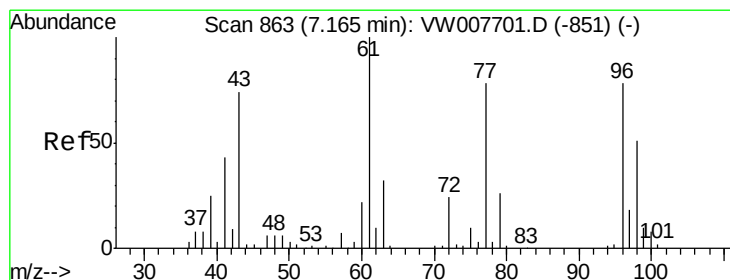
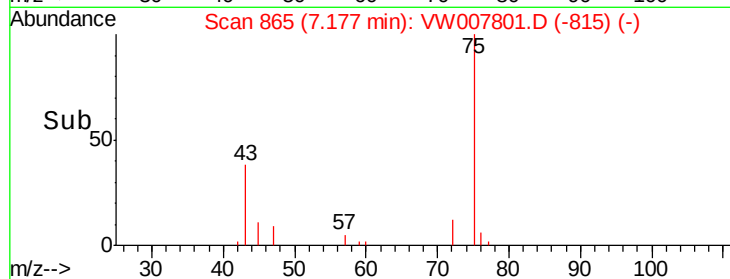
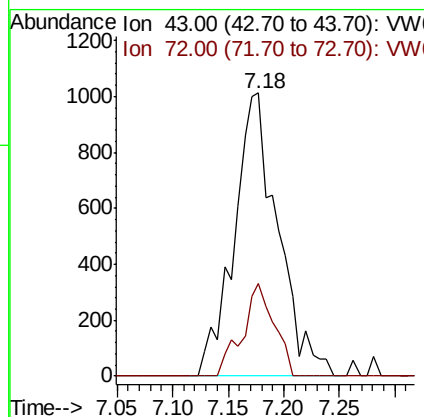
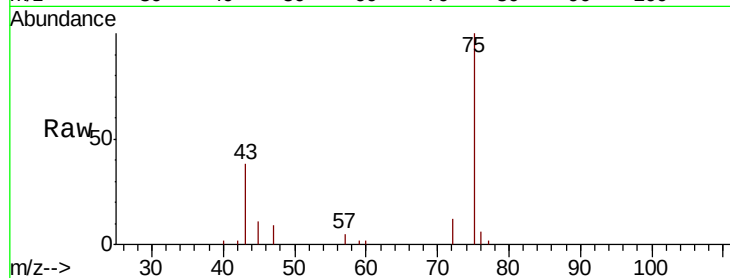




#25
 2-Butanone
 Concen: 26.401 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW007801.D
 Acq: 21 Dec 2018 18:04

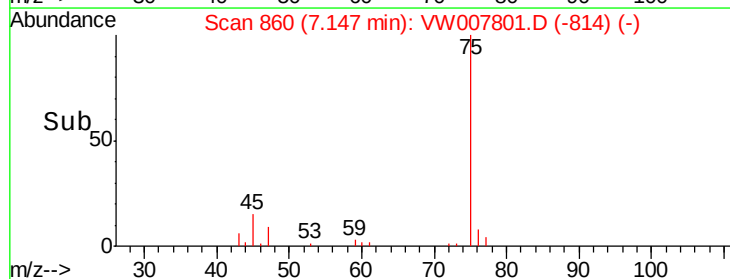
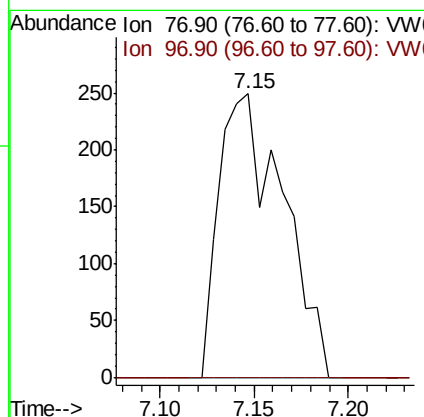
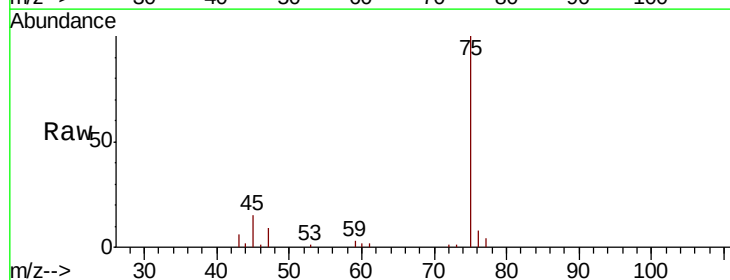
Instrument :
 MSVOA_W
 ClientSampled :

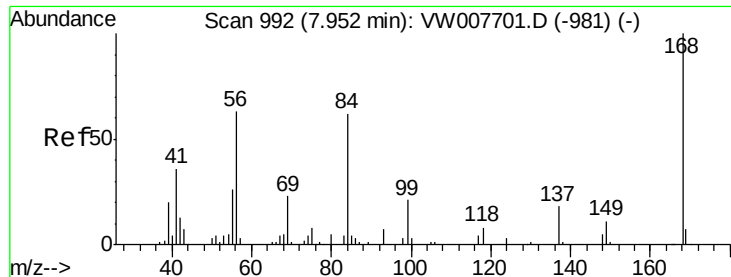
Tot Ion: 43 Resp: 2766
 Ion Ratio Lower Upper
 43 100
 72 32.7 24.5 36.7



#26
 2,2-Dichloropropane
 Concen: 1.033 ug/l
 RT: 7.15 min Scan# 860
 Delta R.T. -0.02 min
 Lab File: VW007801.D
 Acq: 21 Dec 2018 18:04

Tgt Ion: 77 Resp: 587
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.3 33.9#

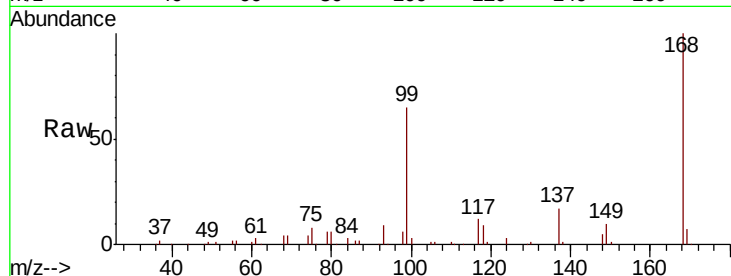




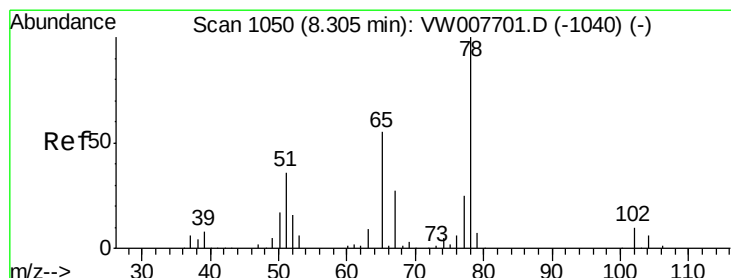
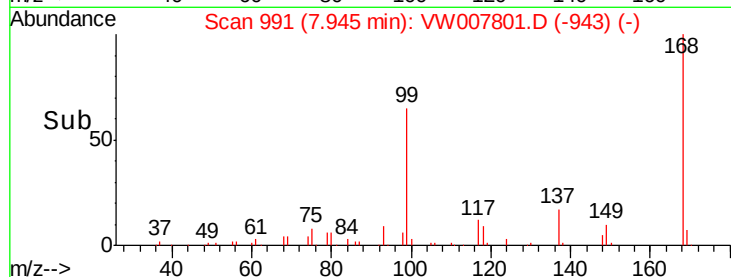
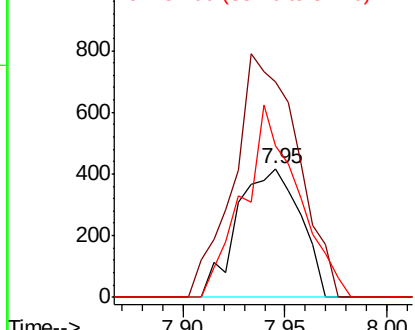
#31
Cyclohexane
Concen: 1.259 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW007801.D
Acq: 21 Dec 2018 18:04

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 895
Ion Ratio Lower Upper
56 100
69 167.8 29.7 44.5#
84 117.5 78.9 118.3

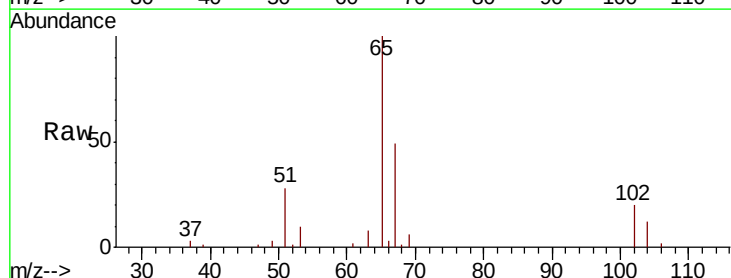


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

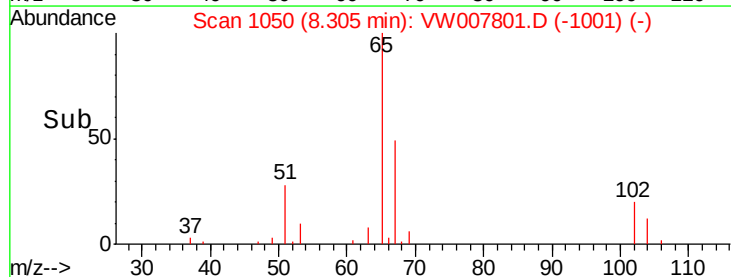
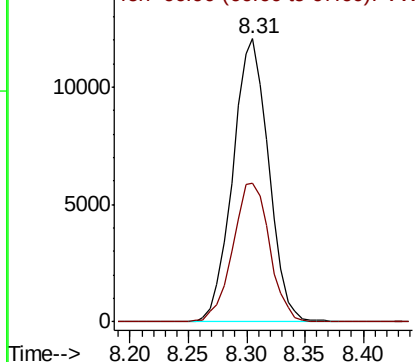


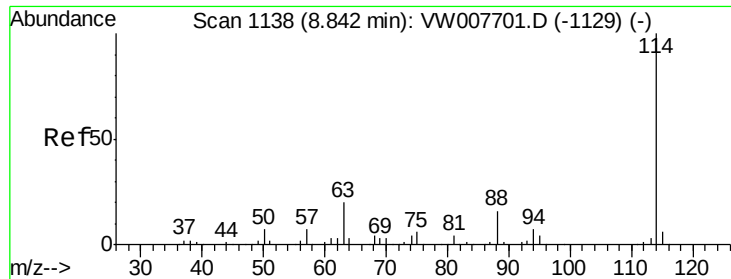
#33
1,2-Dichloroethane-d4
Concen: 54.047 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW007801.D
Acq: 21 Dec 2018 18:04

Tgt Ion: 65 Resp: 25816
Ion Ratio Lower Upper
65 100
67 50.5 0.0 100.6



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW007801.D

Acq: 21 Dec 2018 18:04

Instrument :

MSVOA_W

ClientSampleId :

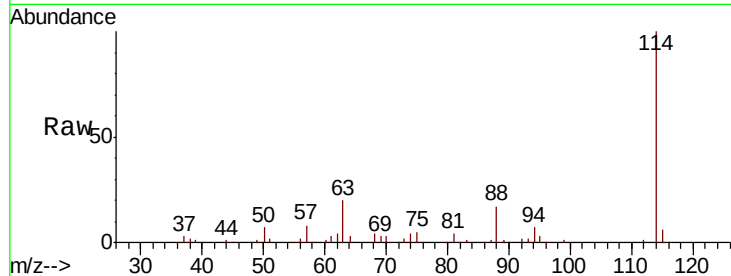
Tot Ion:114 Resp: 63028

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.0

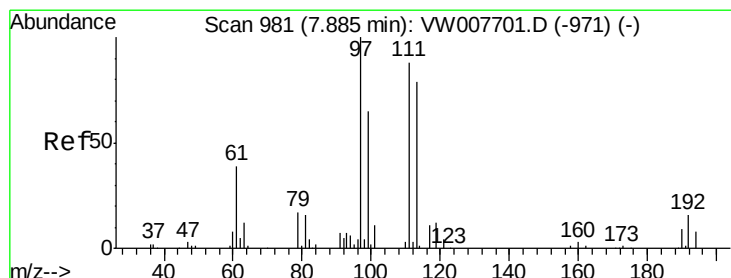
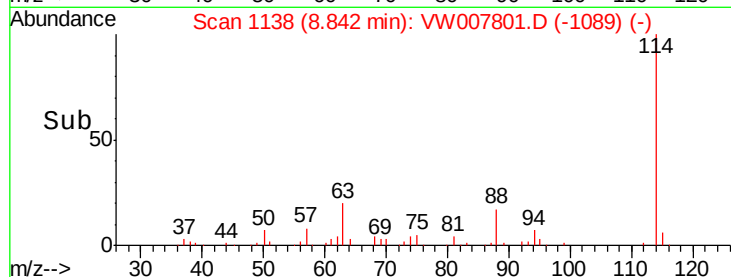
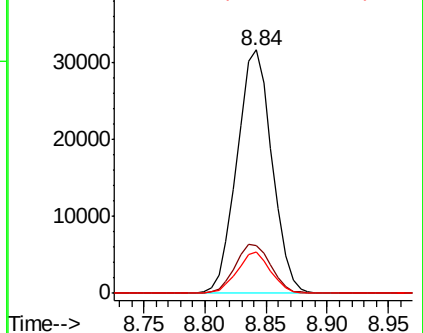
88 16.9 0.0 32.6



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: 56.286 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW007801.D

Acq: 21 Dec 2018 18:04

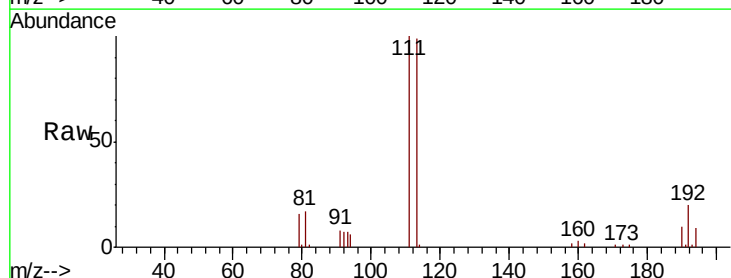
Tgt Ion:113 Resp: 21642

Ion Ratio Lower Upper

113 100

111 103.0 82.6 124.0

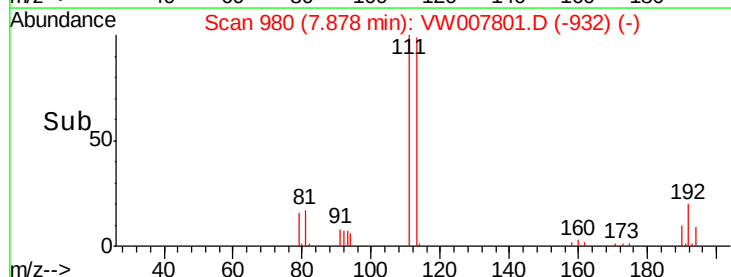
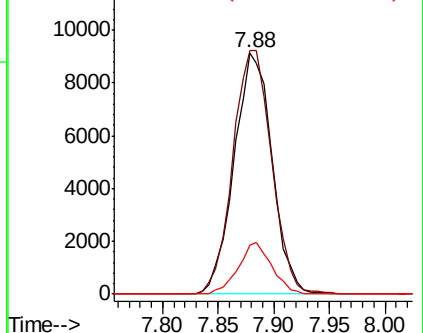
192 18.9 15.5 23.3

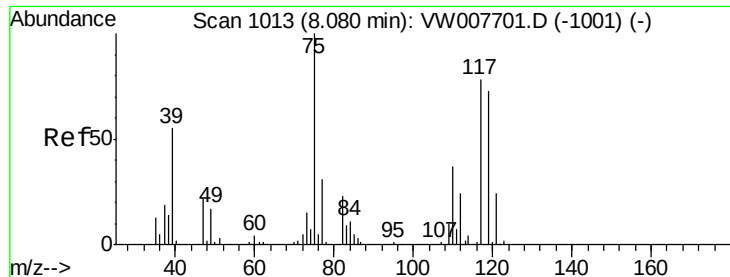


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

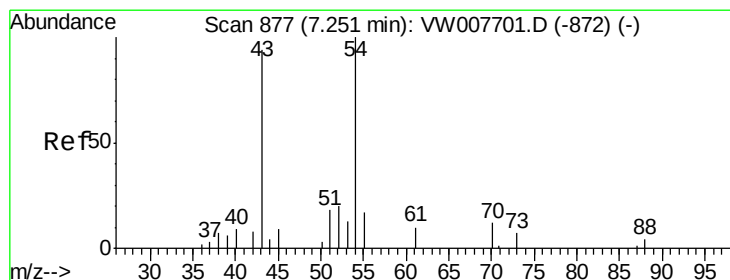
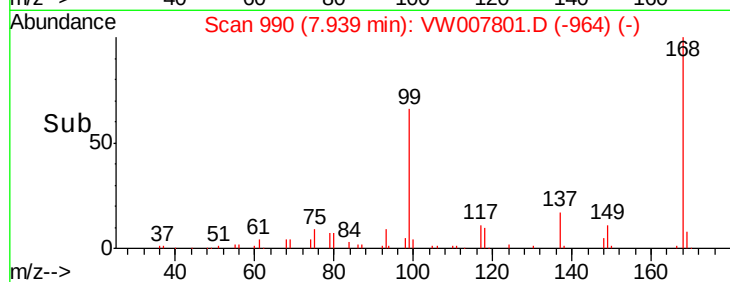
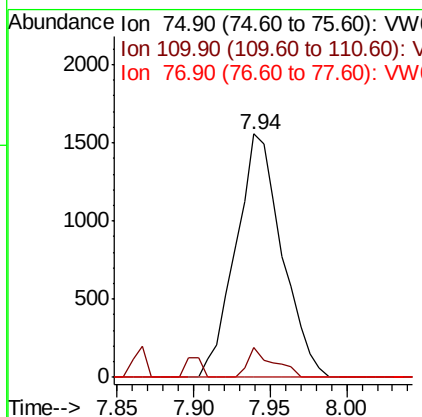
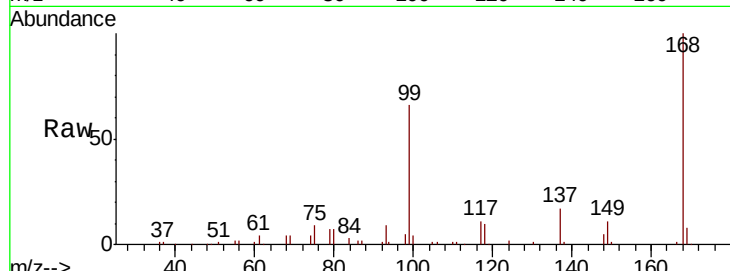




#36
 1,1-Dichloropropene
 Concen: 5.352 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW007801.D
 Acq: 21 Dec 2018 18:04

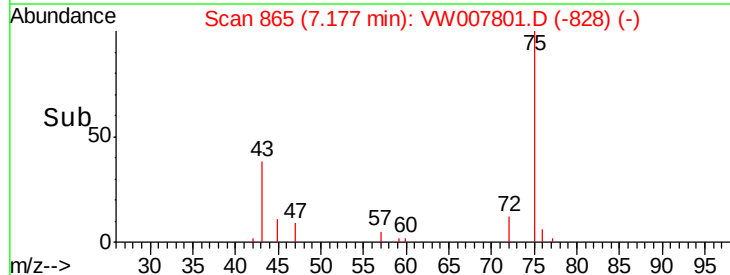
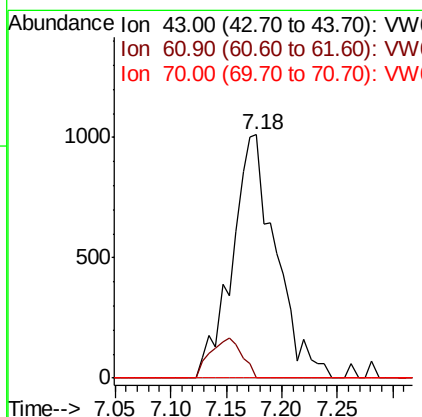
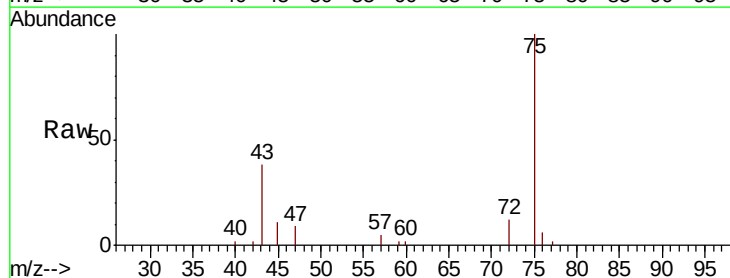
Instrument :
 MSVOA_W
 ClientSampled :

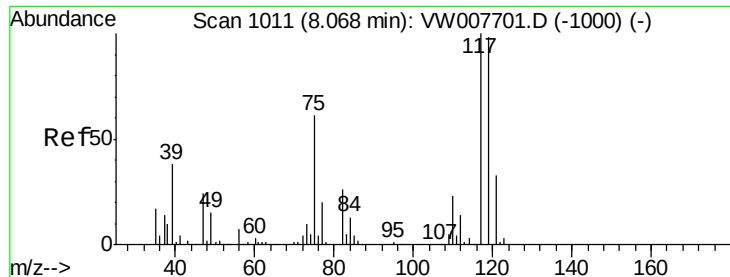
Tot Ion	Ratio	Lower	Upper
75	100		
110	6.8	18.6	55.8#
77	0.0	25.0	37.4#



#37
 Ethyl Acetate
 Concen: 13.175 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.07 min
 Lab File: VW007801.D
 Acq: 21 Dec 2018 18:04

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.2	16.8#
70	0.0	9.3	13.9#

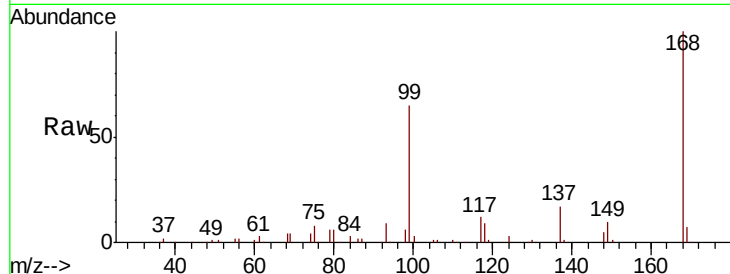




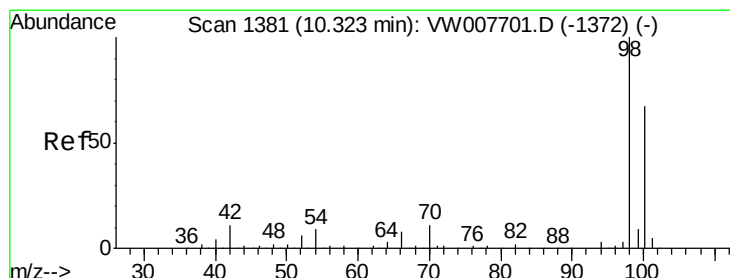
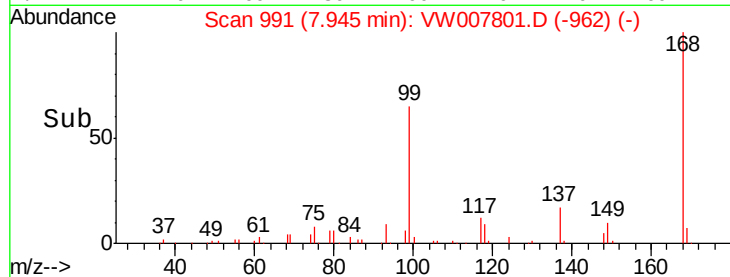
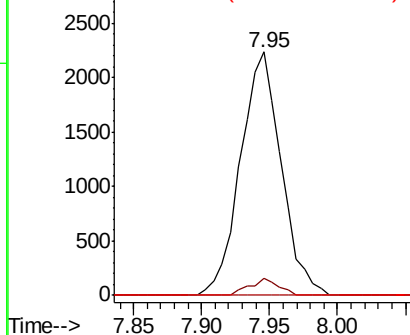
#38
Carbon Tetrachloride
Concen: 6.530 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW007801.D
Acq: 21 Dec 2018 18:04

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 4678
Ion Ratio Lower Upper
117 100
119 7.1 78.2 117.2#
121 0.0 26.1 39.1#

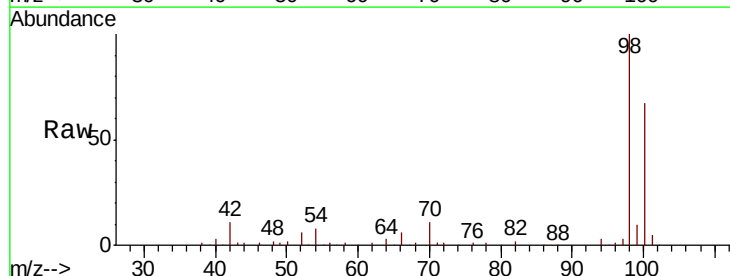


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

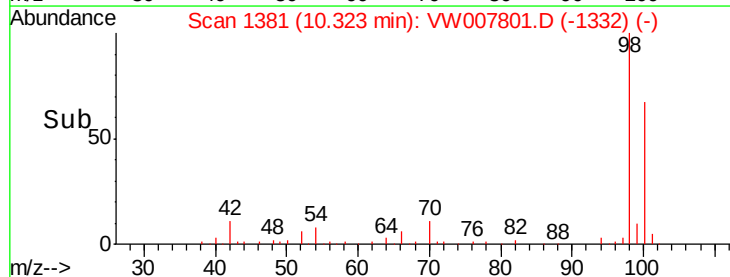
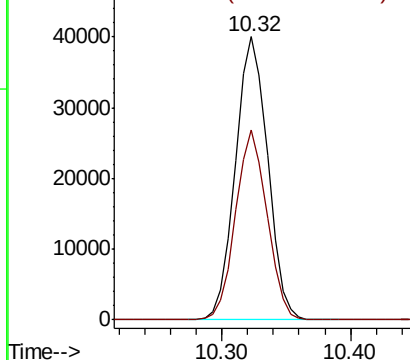


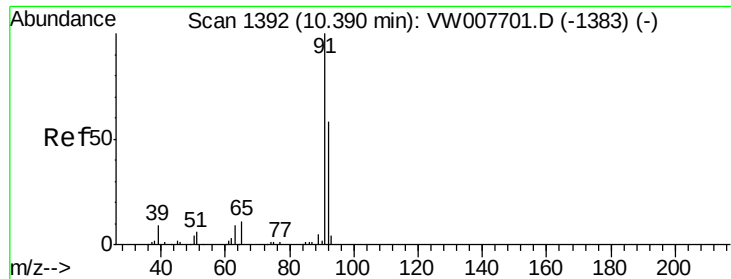
#50
Toluene-d8
Concen: 47.792 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007801.D
Acq: 21 Dec 2018 18:04

Tgt Ion: 98 Resp: 69275
Ion Ratio Lower Upper
98 100
100 65.8 52.2 78.2



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





#52

Toluene

Concen: 1.191 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW007801.D

Acq: 21 Dec 2018 18:04

Instrument :

MSVOA_W

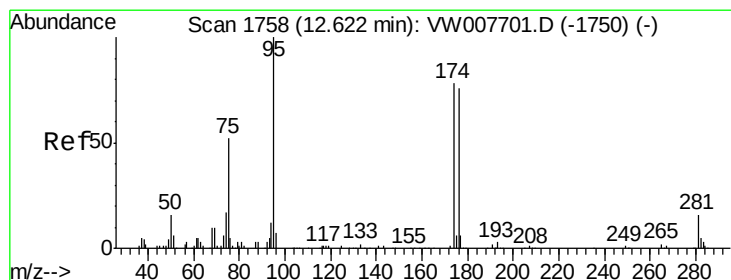
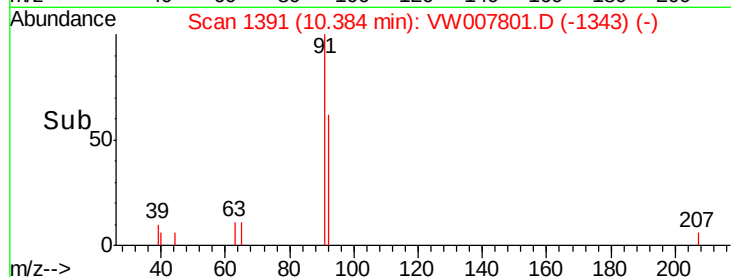
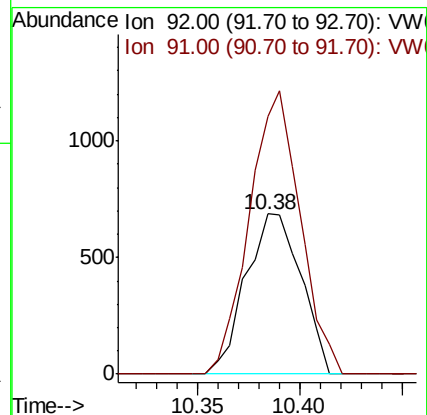
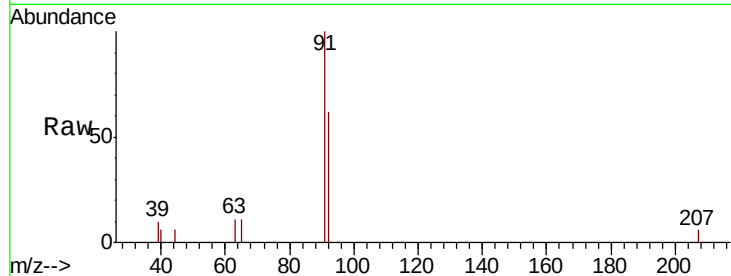
ClientSampled :

Tot Ion: 92 Resp: 1297

Ion Ratio Lower Upper

92 100

91 162.5 137.0 205.4



#62

4-Bromofluorobenzene

Concen: 28.947 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007801.D

Acq: 21 Dec 2018 18:04

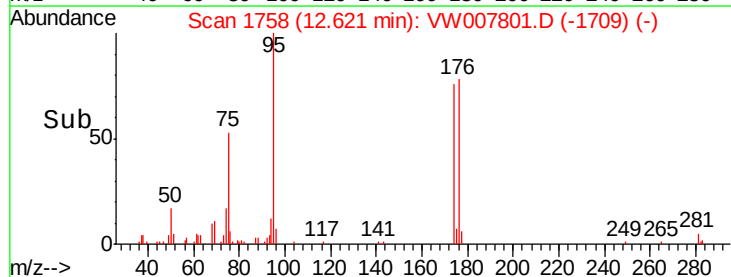
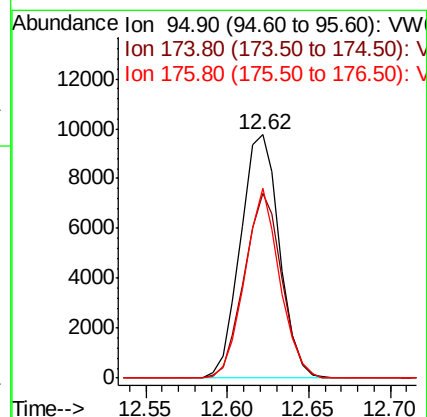
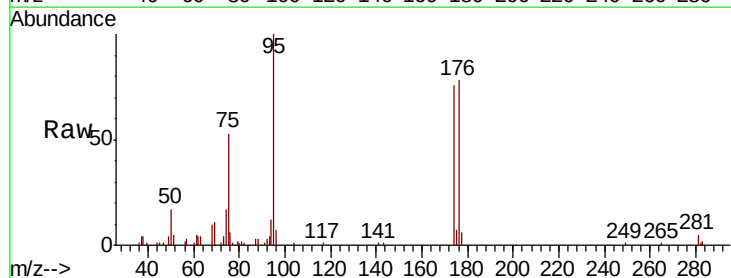
Tgt Ion: 95 Resp: 16210

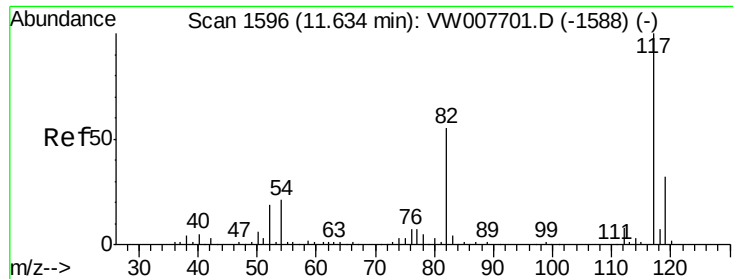
Ion Ratio Lower Upper

95 100

174 73.1 0.0 152.2

176 69.8 0.0 146.8

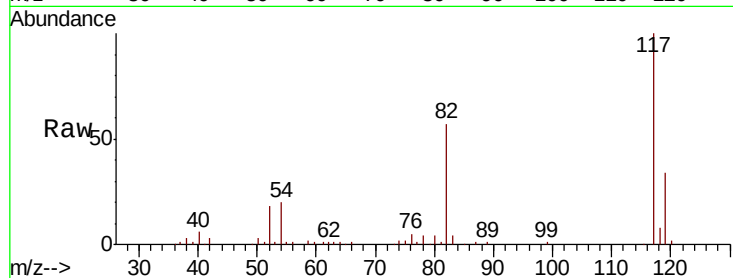




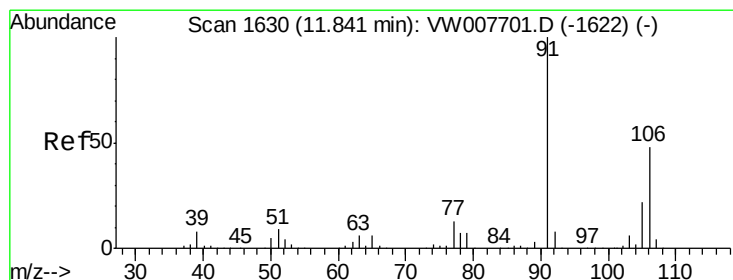
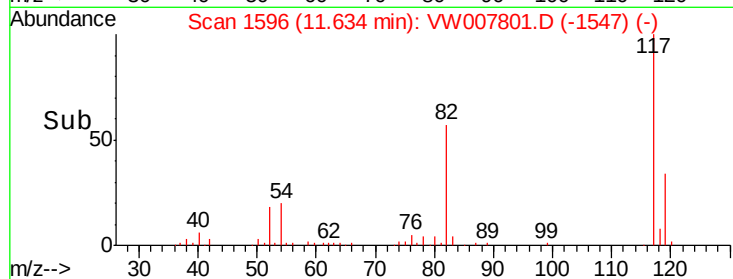
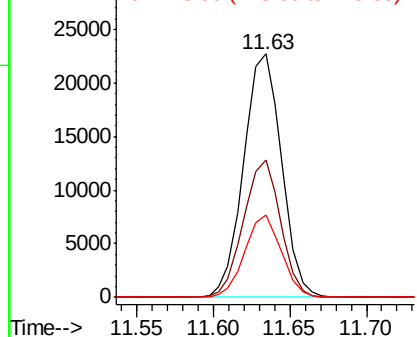
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007801.D
Acq: 21 Dec 2018 18:04

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 39078
Ion Ratio Lower Upper
117 100
82 56.6 44.3 66.5
119 34.0 25.7 38.5

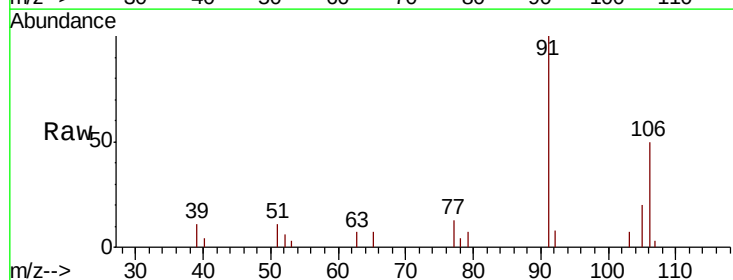


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

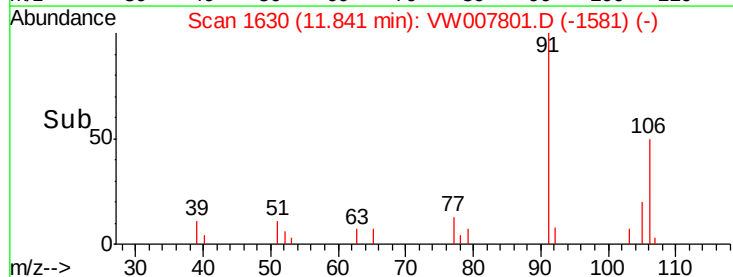
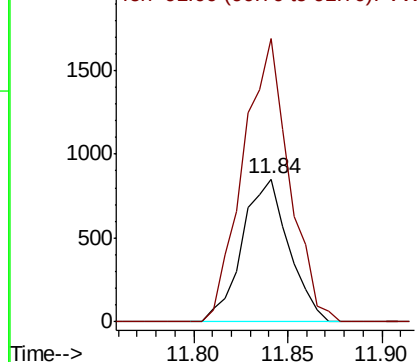


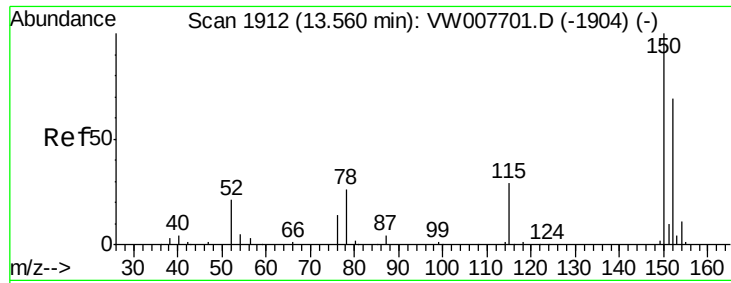
#68
m/p-Xylenes
Concen: 2.591 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007801.D
Acq: 21 Dec 2018 18:04

Tgt Ion:106 Resp: 1459
Ion Ratio Lower Upper
106 100
91 196.5 165.2 247.8



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007801.D

Acq: 21 Dec 2018 18:04

Instrument :

MSVOA_W

ClientSampleId :

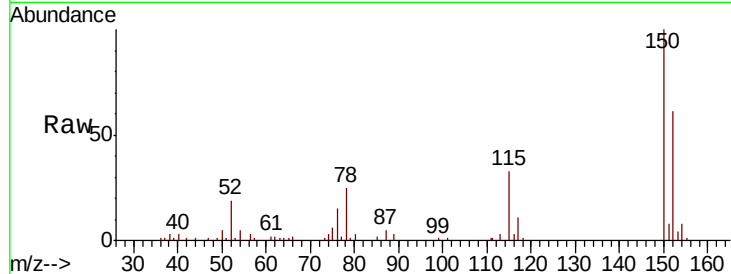
Tot Ion:152 Resp: 9957

Ion Ratio Lower Upper

152 100

115 60.1 31.8 95.4

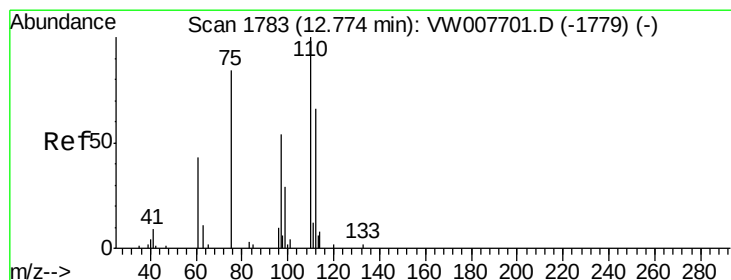
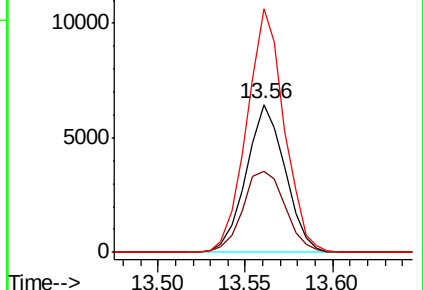
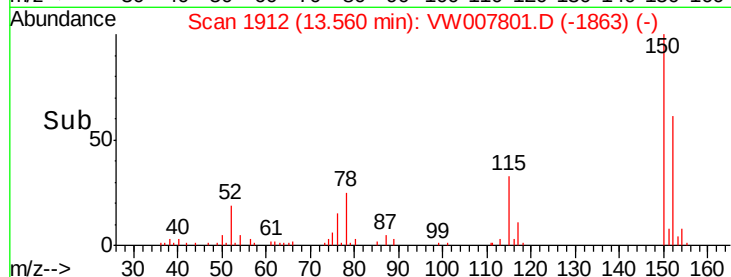
150 158.5 0.0 350.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 105.889 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007801.D

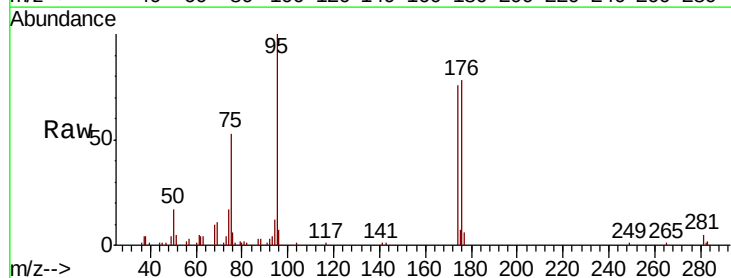
Acq: 21 Dec 2018 18:04

Tgt Ion: 75 Resp: 8149

Ion Ratio Lower Upper

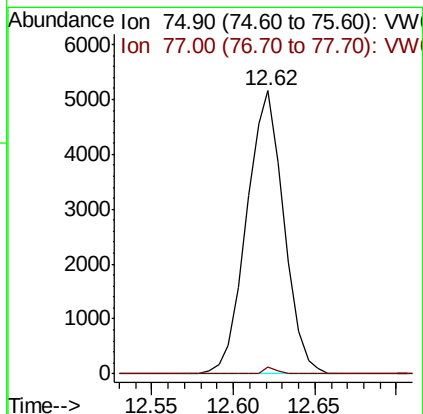
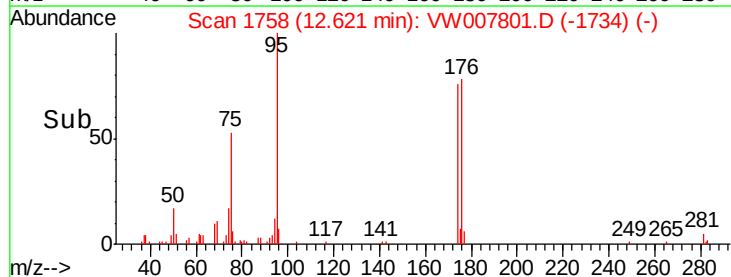
75 100

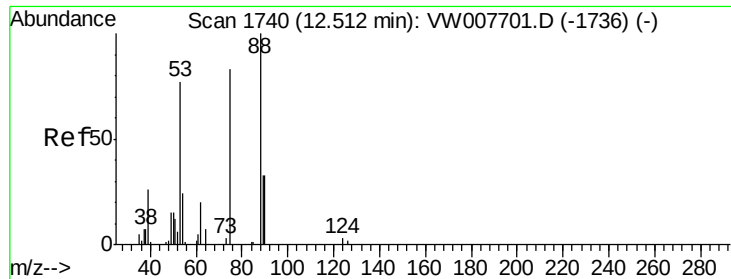
77 0.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 222.268 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW007801.D

Acq: 21 Dec 2018 18:04

Instrument :

MSVOA_W

ClientSampleId :

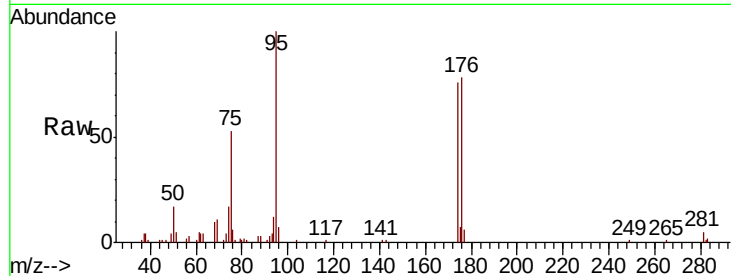
Tot Ion: 75 Resp: 8149

Ion Ratio Lower Upper

75 100

53 0.0 80.2 120.2#

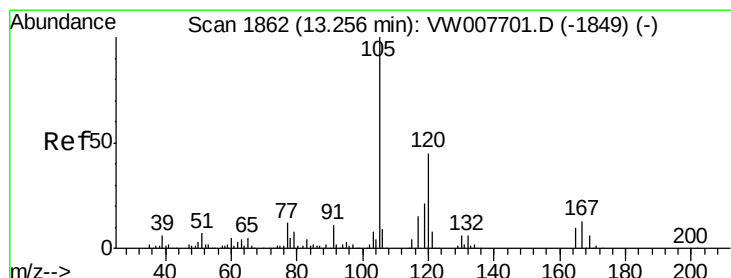
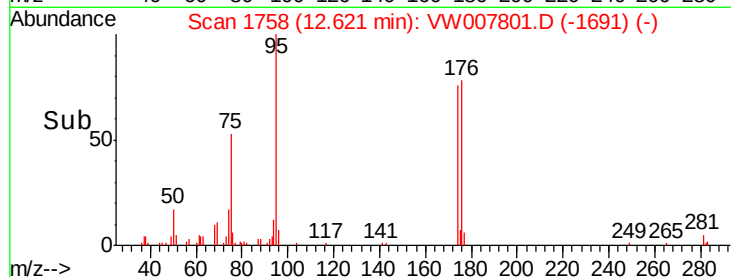
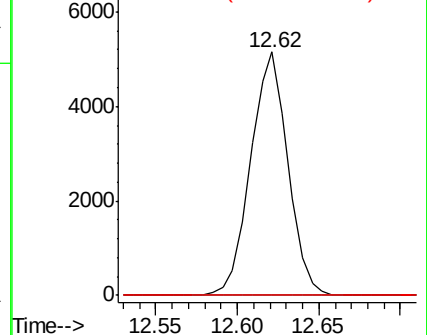
89 0.0 39.2 58.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#84

1,2,4-Trimethylbenzene

Concen: 2.710 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW007801.D

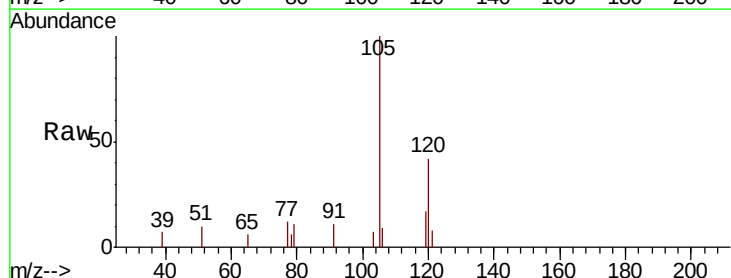
Acq: 21 Dec 2018 18:04

Tgt Ion:105 Resp: 1775

Ion Ratio Lower Upper

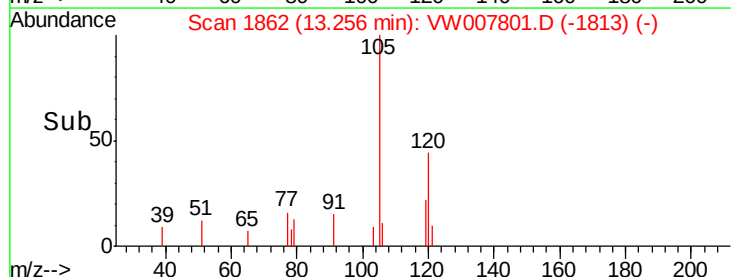
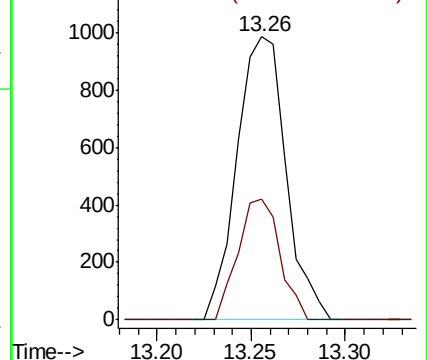
105 100

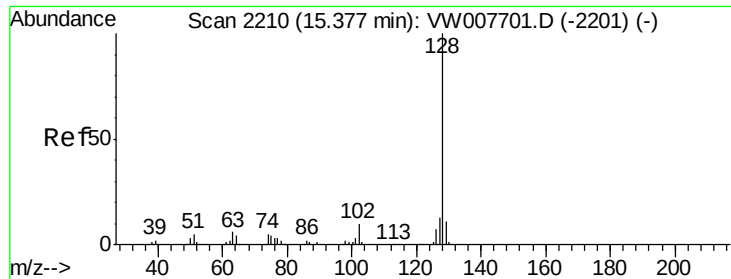
120 36.4 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95
Naphthalene
Concen: 4.559 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW007801.D
Acq: 21 Dec 2018 18:04

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	3.2	8.8	13.2#

