

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121918\
 Data File : VW007633.D
 Acq On : 17 Dec 2018 15:58
 Operator : SY/AP
 Sample : J6378-09RE
 Misc : 2.89G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 18 07:05:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	59258	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	95462	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	60832	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	15392	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	32814	49.91	ug/l	0.00
Spiked Amount			Recovery	=	99.82%	
35) Dibromofluoromethane	7.88	113	29431	50.93	ug/l	0.00
Spiked Amount			Recovery	=	101.86%	
50) Toluene-d8	10.32	98	86676	40.00	ug/l	0.00
Spiked Amount			Recovery	=	80.00%	
62) 4-Bromofluorobenzene	12.62	95	19827	24.89	ug/l	0.00
Spiked Amount			Recovery	=	49.78%	

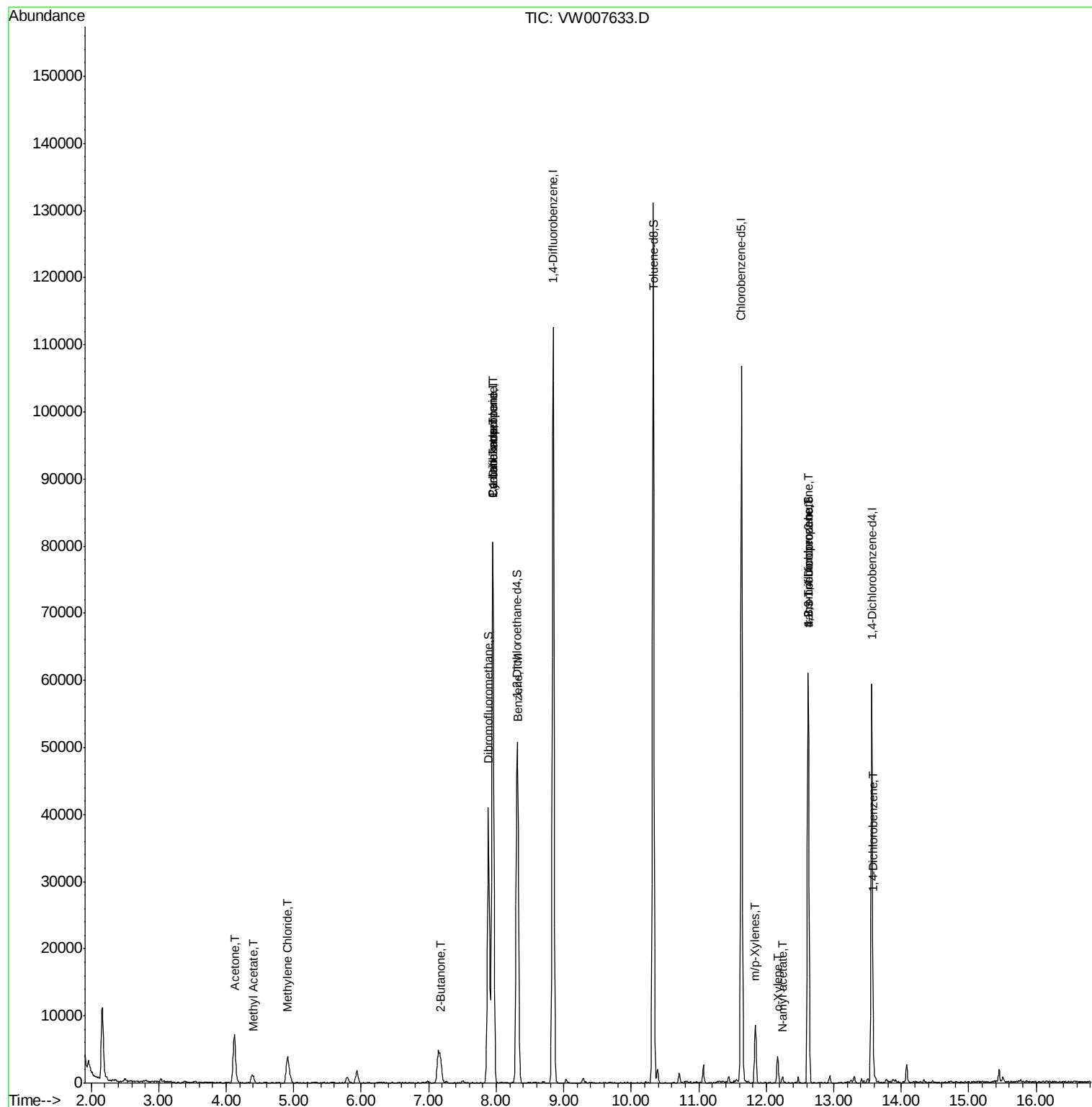
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	12428	108.228	ug/l	92
18) Methyl Acetate	4.40	43	321	1.030	ug/l #	49
20) Methylene Chloride	4.91	84	3196	1.271	ug/l #	90
25) 2-Butanone	7.18	43	5238	34.940	ug/l	97
31) Cyclohexane	7.95	56	1262	1.236	ug/l #	20
36) 1,1-Dichloropropene	7.95	75	4671	5.364	ug/l #	49
38) Carbon Tetrachloride	7.95	117	6408	6.763	ug/l #	17
40) Benzene	8.32	78	19325	7.996	ug/l	96
68) m/p-Xylenes	11.84	106	2725	3.215	ug/l	93
69) o-Xylene	12.17	106	1194	1.509	ug/l	96
74) N-amyl acetate	12.24	43	706	3.294	ug/l #	41
76) 1,2,3-Trichloropropane	12.62	75	10053	79.213	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	10053	174.982	ug/l #	7
88) 1,4-Dichlorobenzene	13.58	146	1114	2.126	ug/l	87

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

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Quant Time: Dec 18 07:05:36 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 11 02:58:16 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007633.D

Acq: 17 Dec 2018 15:58

Instrument :

MSVOA_W

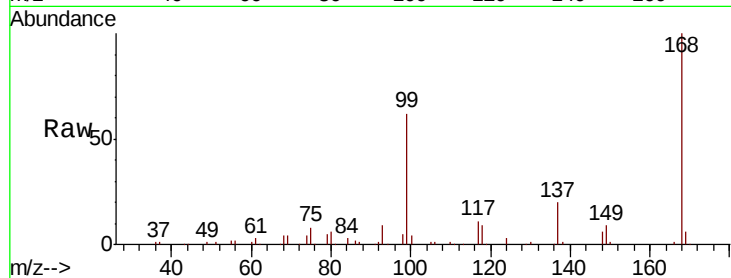
ClientSampled :

Tot Ion:168 Resp: 59258

Ion Ratio Lower Upper

168 100

99 62.5 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

30000

25000

20000

15000

10000

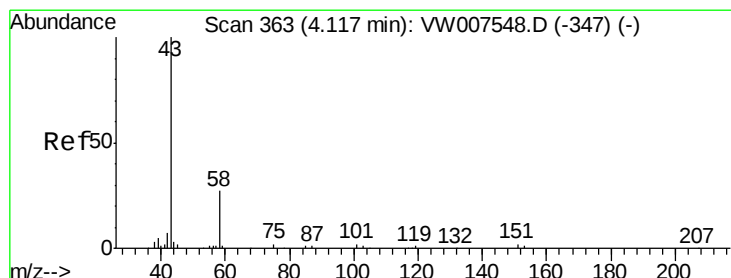
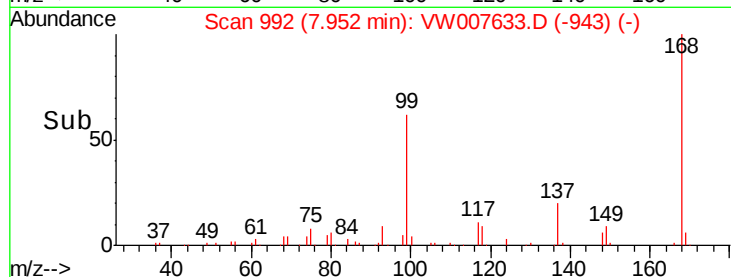
5000

0

7.90

8.00

Time-->



#16

Acetone

Concen: 108.228 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007633.D

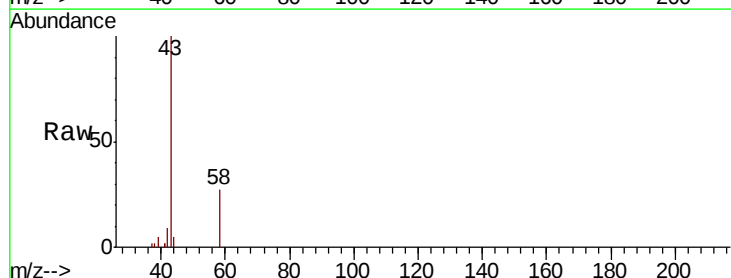
Acq: 17 Dec 2018 15:58

Tgt Ion: 43 Resp: 12428

Ion Ratio Lower Upper

43 100

58 26.6 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

5000

4000

3000

2000

1000

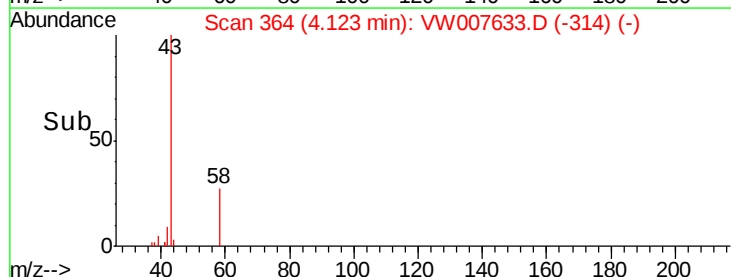
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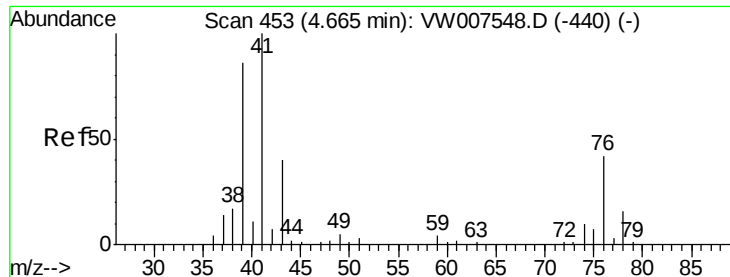
4.00

4.10

4.20

Time-->

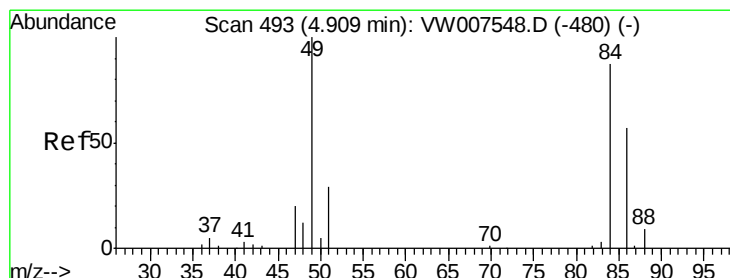
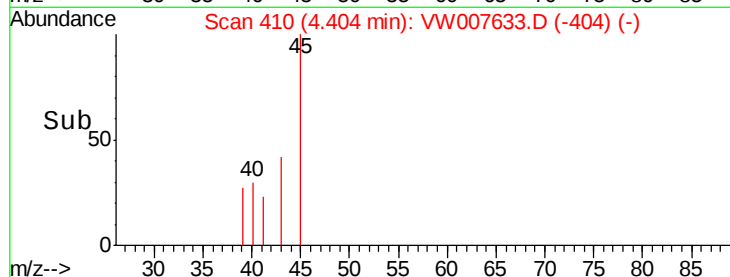
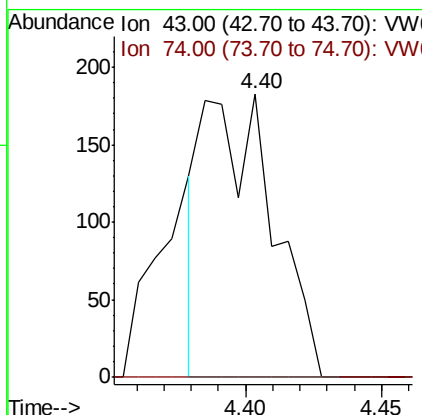
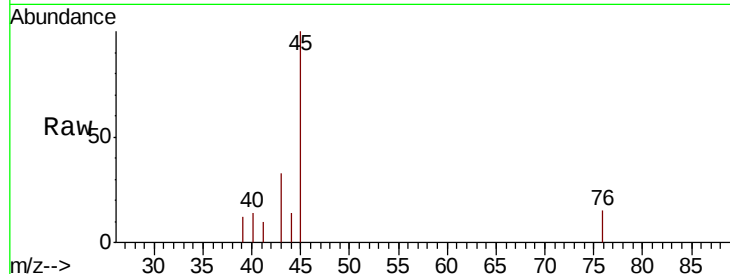




#18
Methyl Acetate
Concen: 1.030 ug/l
RT: 4.40 min Scan# 410
Delta R.T. -0.26 min
Lab File: VW007633.D
Acq: 17 Dec 2018 15:58

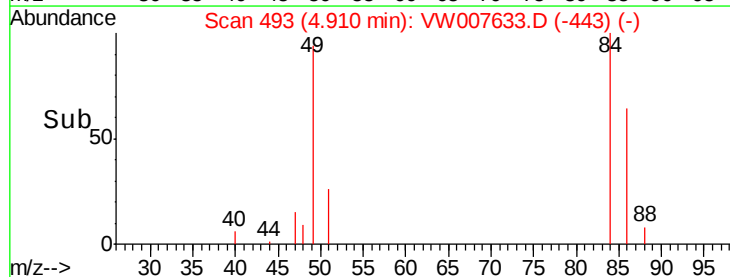
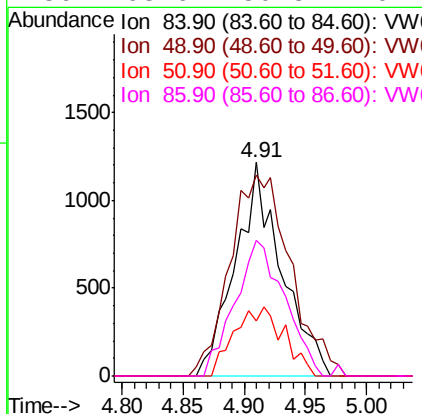
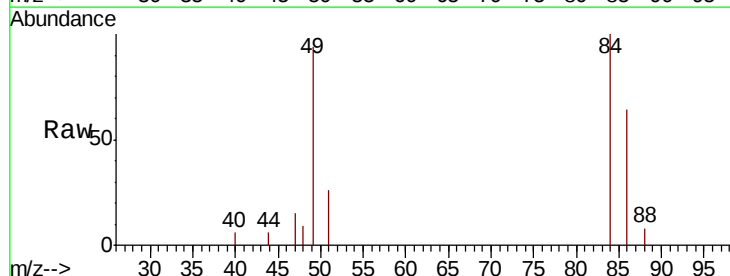
Instrument :
MSVOA_W
ClientSampled :

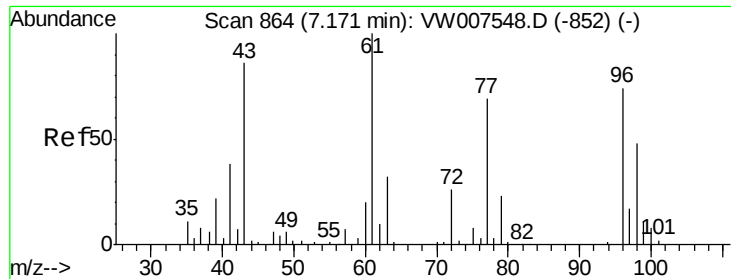
Tot Ion: 43 Resp: 321
Ion Ratio Lower Upper
43 100
74 0.0 21.1 31.7#



#20
Methylene Chloride
Concen: 1.271 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW007633.D
Acq: 17 Dec 2018 15:58

Tgt Ion: 84 Resp: 3196
Ion Ratio Lower Upper
84 100
49 94.0 87.1 130.7
51 25.6 28.2 42.2#
86 63.6 50.8 76.2





#25

2-Butanone

Concen: 34.940 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW007633.D

Acq: 17 Dec 2018 15:58

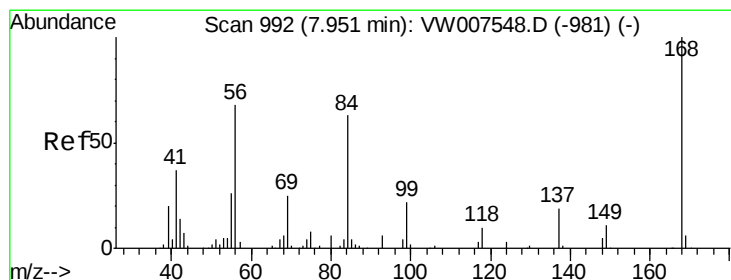
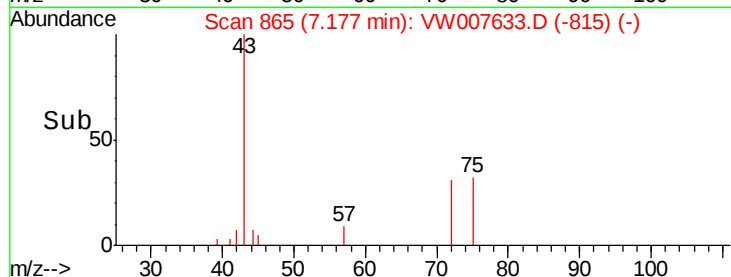
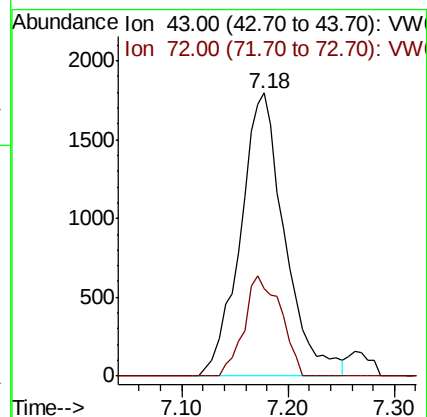
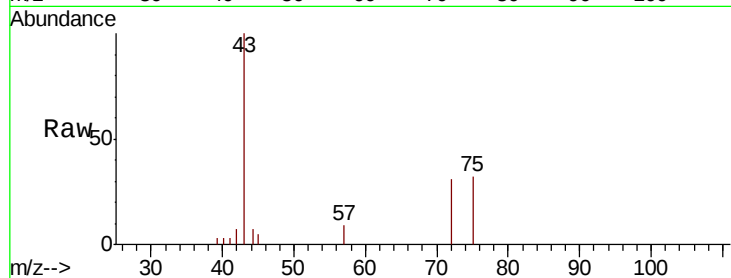
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 5238

Ion Ratio Lower Upper

43 100

72 31.1 23.4 35.2



#31

Cyclohexane

Concen: 1.236 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007633.D

Acq: 17 Dec 2018 15:58

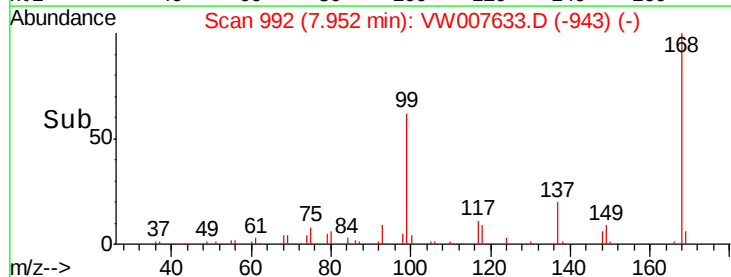
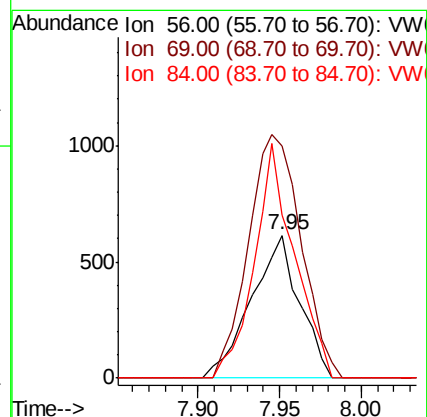
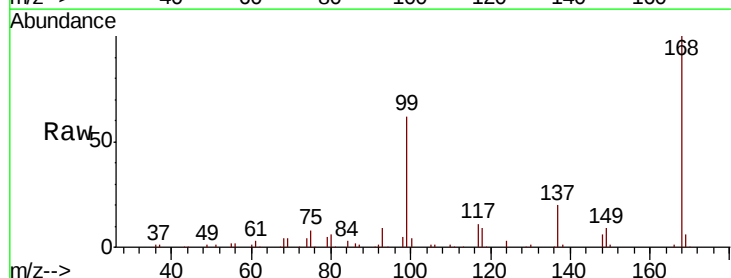
Tgt Ion: 56 Resp: 1262

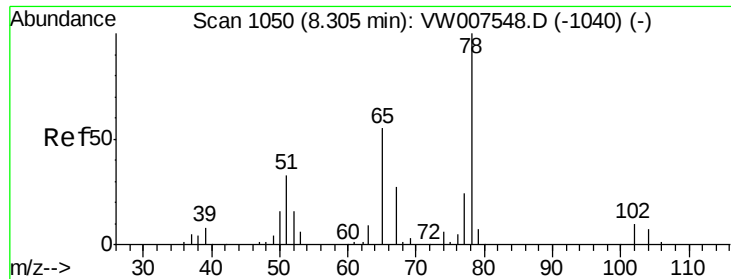
Ion Ratio Lower Upper

56 100

69 162.4 28.9 43.3#

84 113.8 71.8 107.6#

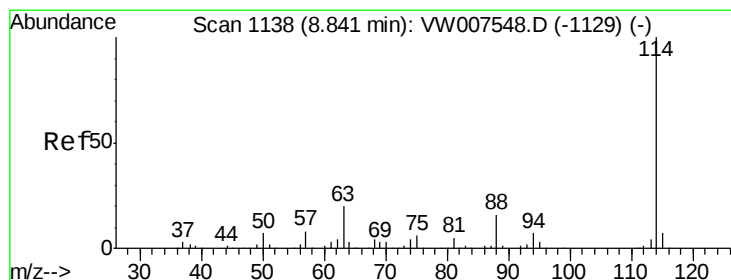
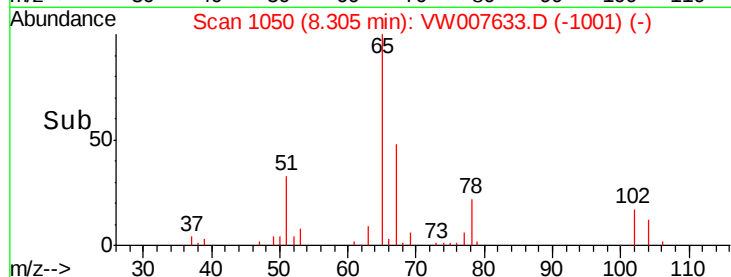
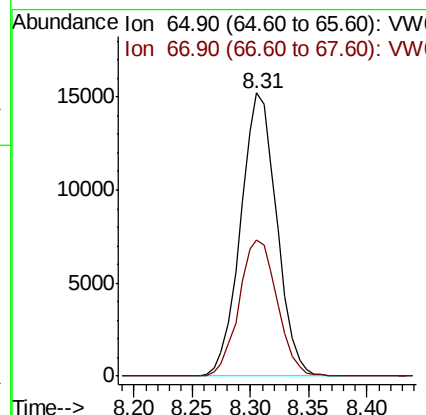
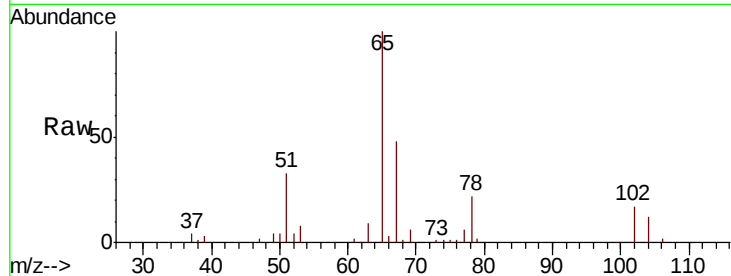




#33
 1,2-Dichloroethane-d4
 Concen: 49.913 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW007633.D
 Acq: 17 Dec 2018 15:58

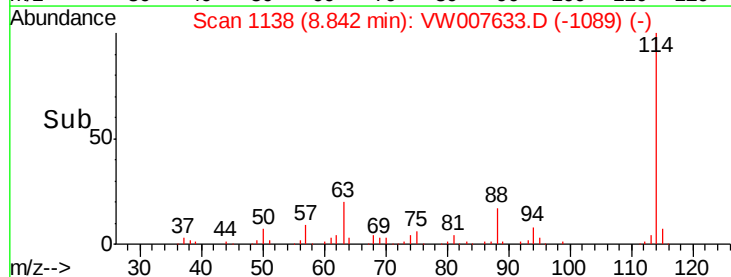
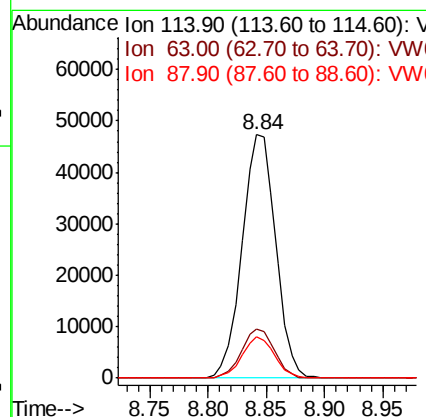
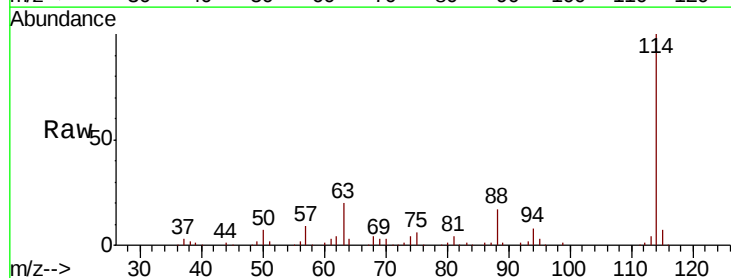
Instrument :
 MSVOA_W
 ClientSampleId :

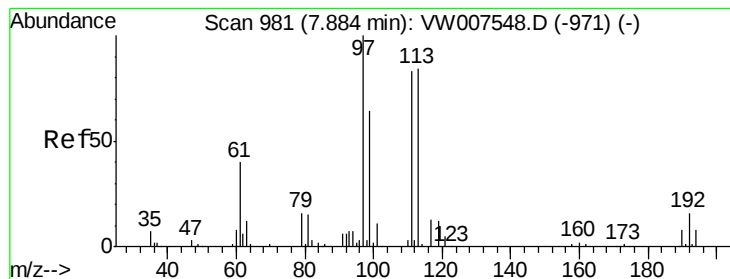
Tot Ion: 65 Resp: 32814
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007633.D
 Acq: 17 Dec 2018 15:58

Tgt Ion: 114 Resp: 95462
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.6
 88 16.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.930 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW007633.D

Acq: 17 Dec 2018 15:58

Instrument :

MSVOA_W

ClientSampleId :

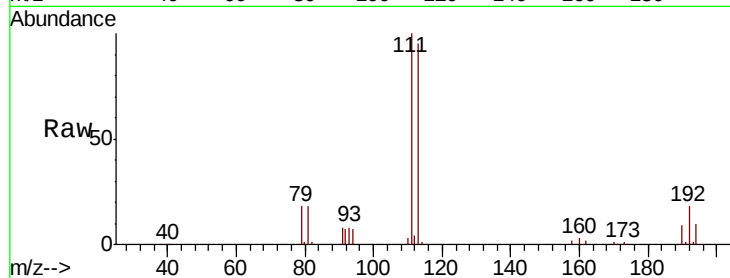
Tot Ion:113 Resp: 29431

Ion Ratio Lower Upper

113 100

111 102.8 81.1 121.7

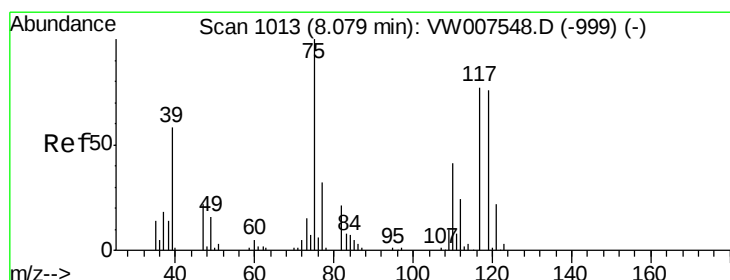
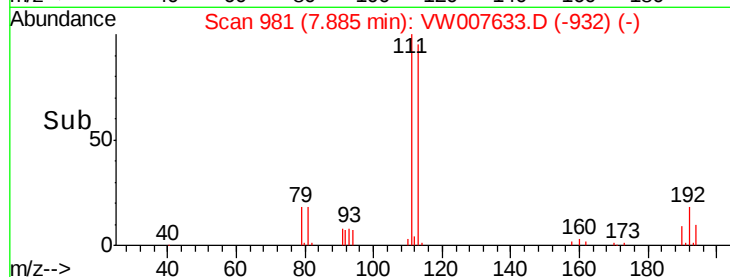
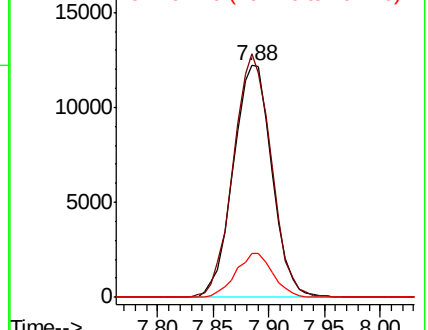
192 18.0 14.6 21.8



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: 5.364 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW007633.D

Acq: 17 Dec 2018 15:58

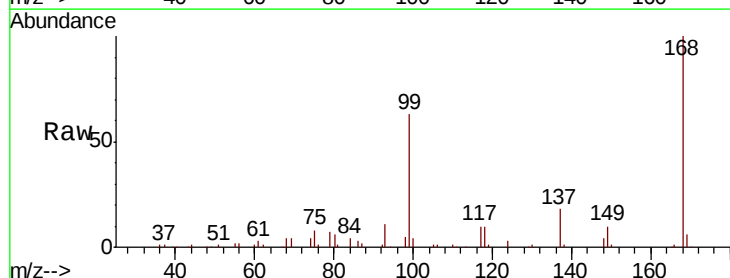
Tgt Ion: 75 Resp: 4671

Ion Ratio Lower Upper

75 100

110 10.1 18.5 55.5#

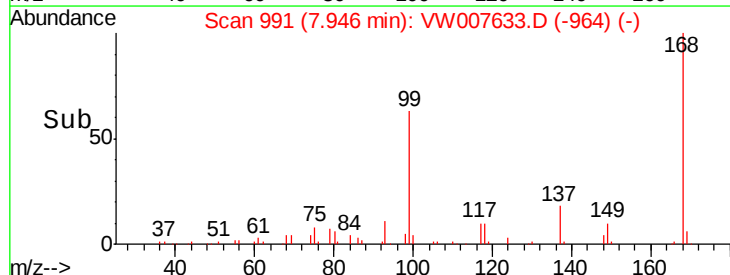
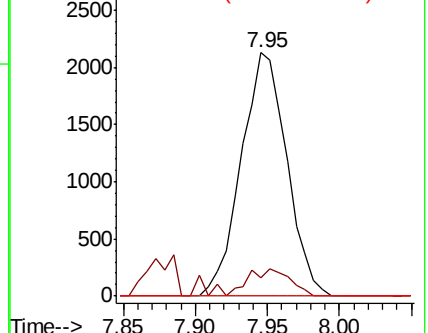
77 0.0 25.6 38.4#

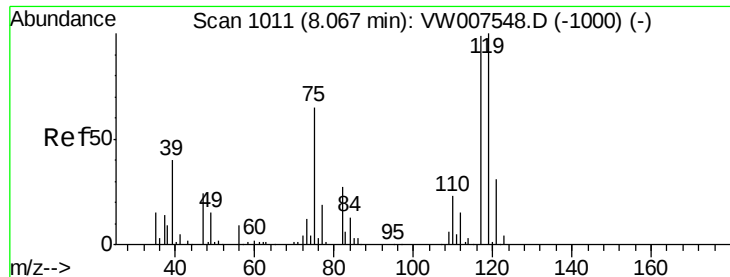


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

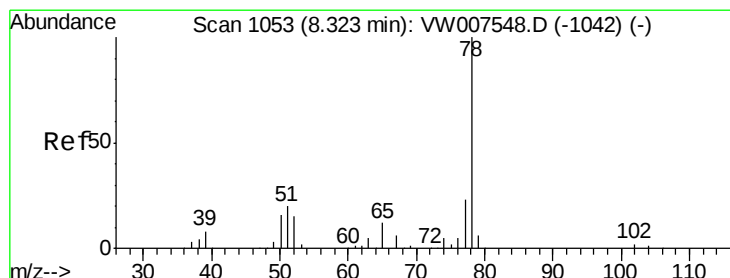
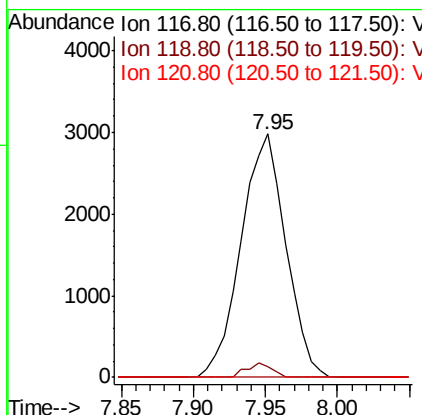
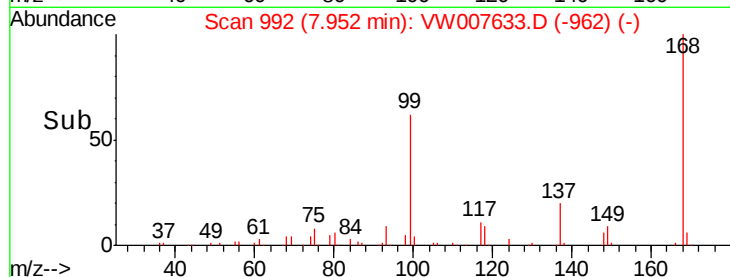
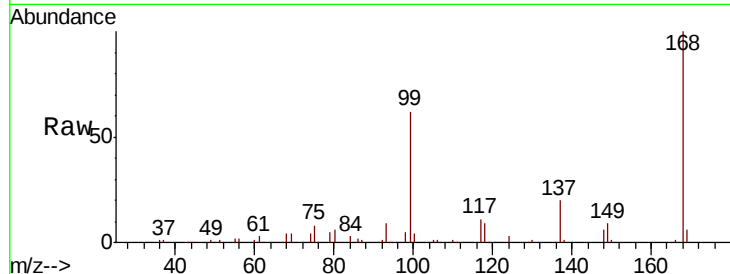




#38
Carbon Tetrachloride
Concen: 6.763 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW007633.D
Acq: 17 Dec 2018 15:58

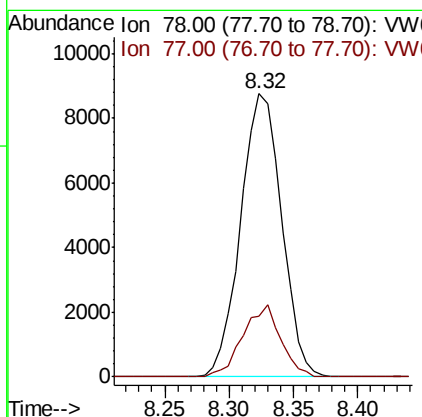
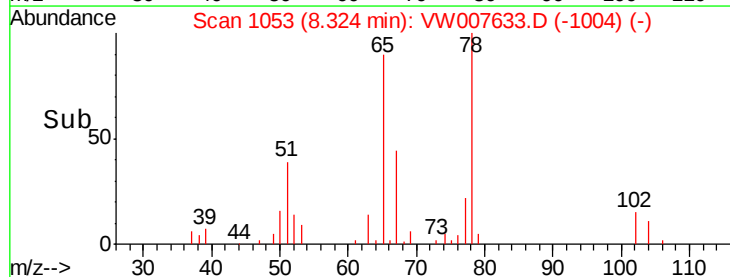
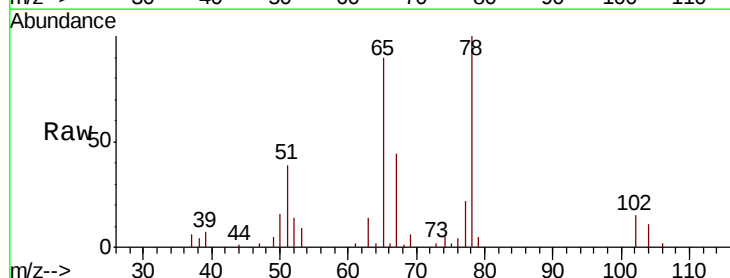
Instrument :
MSVOA_W
ClientSampleId :

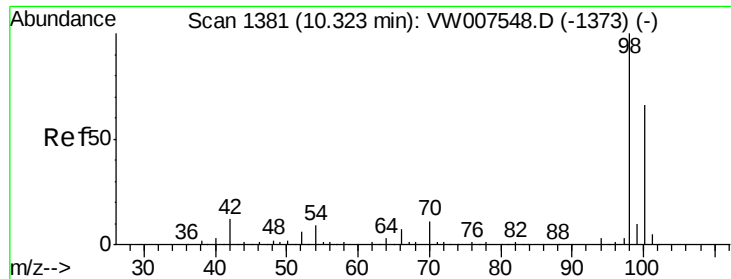
Tot Ion:117 Resp: 6408
Ion Ratio Lower Upper
117 100
119 4.2 74.3 111.5#
121 0.0 24.3 36.5#



#40
Benzene
Concen: 7.996 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW007633.D
Acq: 17 Dec 2018 15:58

Tgt Ion: 78 Resp: 19325
Ion Ratio Lower Upper
78 100
77 21.6 18.8 28.2





#50

Toluene-d8

Concen: 40.004 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW007633.D

Acq: 17 Dec 2018 15:58

Instrument :

MSVOA_W

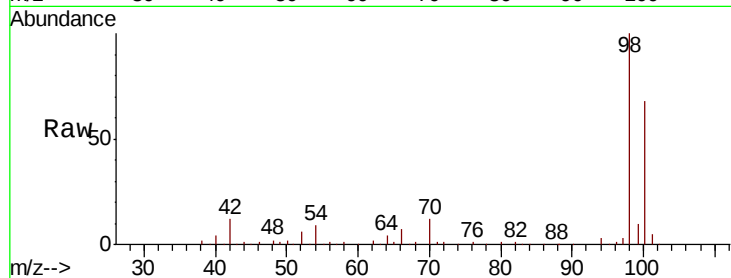
ClientSampled :

Tot Ion: 98 Resp: 86676

Ion Ratio Lower Upper

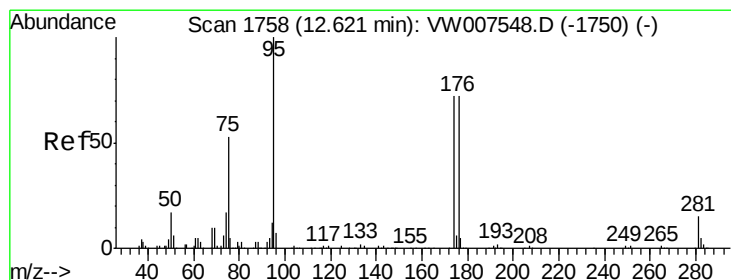
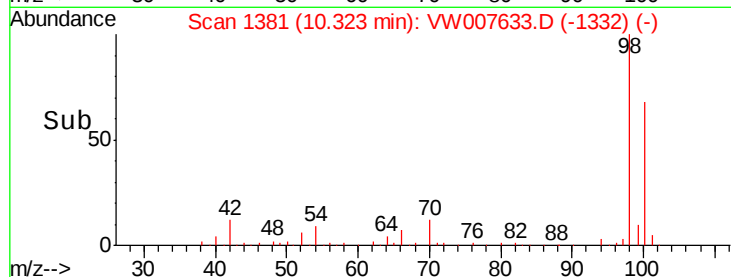
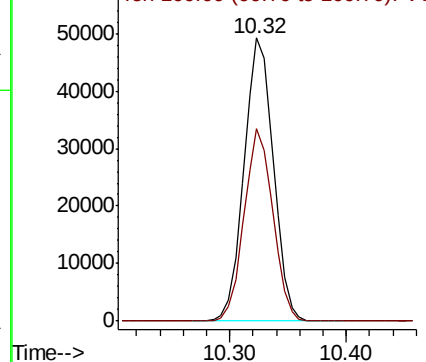
98 100

100 66.6 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 24.888 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007633.D

Acq: 17 Dec 2018 15:58

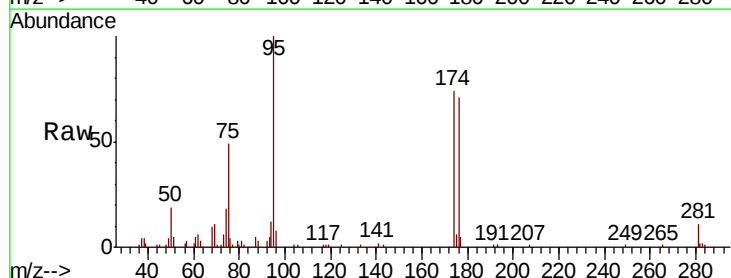
Tgt Ion: 95 Resp: 19827

Ion Ratio Lower Upper

95 100

174 76.2 0.0 147.2

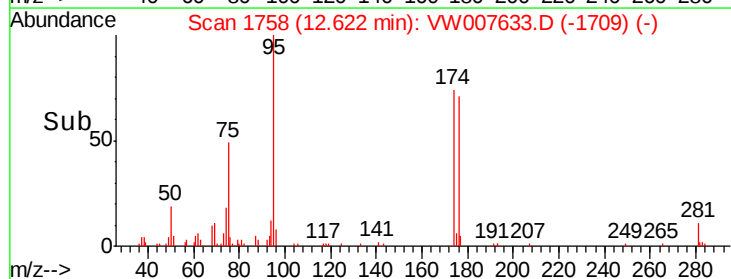
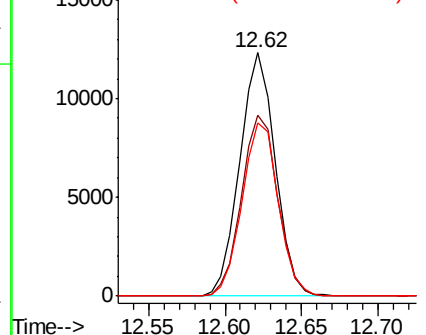
176 72.6 0.0 138.8

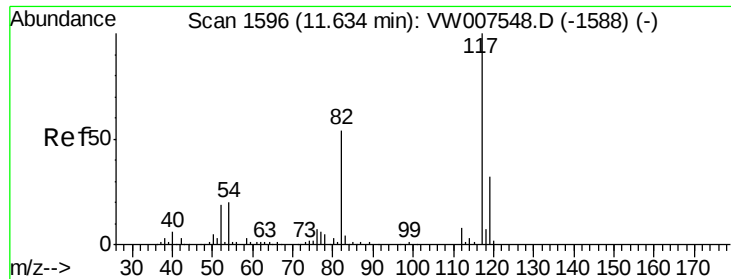


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

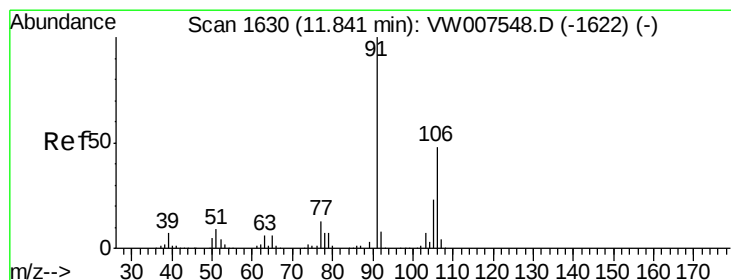
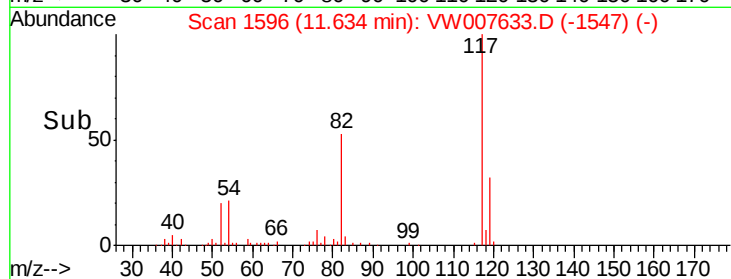
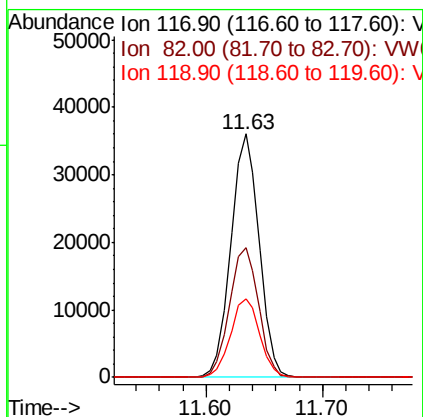
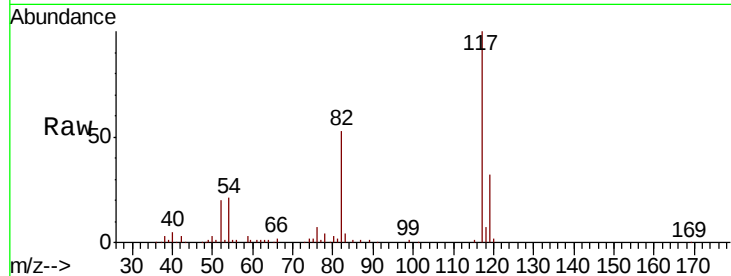




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007633.D
Acq: 17 Dec 2018 15:58

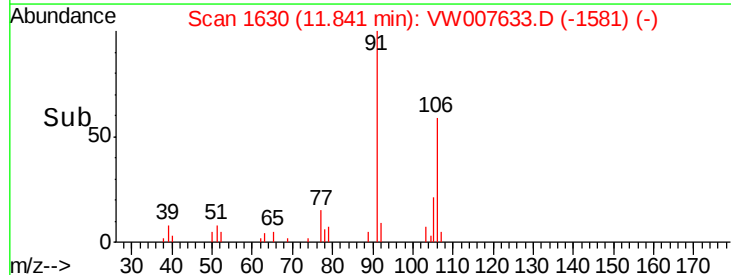
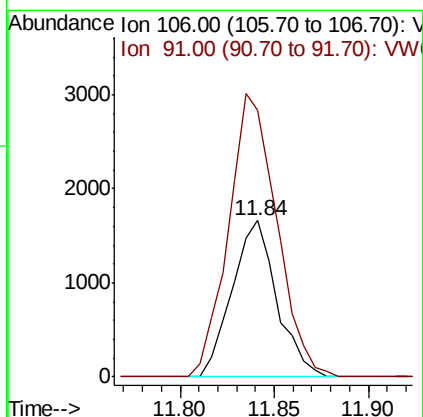
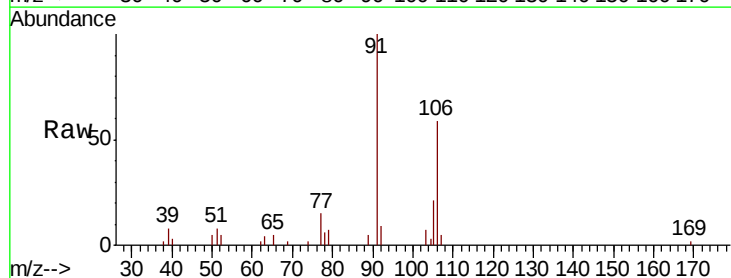
Instrument :
MSVOA_W
ClientSampleId :

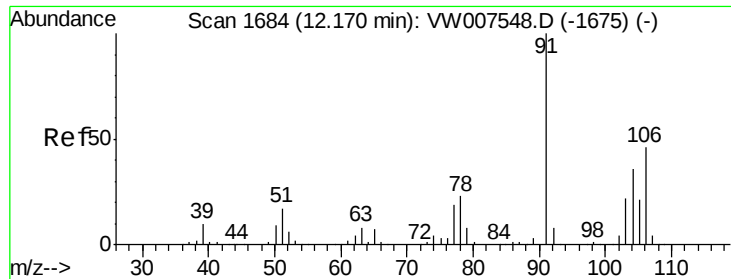
Tot Ion:117 Resp: 60832
Ion Ratio Lower Upper
117 100
82 53.4 42.3 63.5
119 31.8 23.0 34.6



#68
m/p-Xylenes
Concen: 3.215 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007633.D
Acq: 17 Dec 2018 15:58

Tgt Ion:106 Resp: 2725
Ion Ratio Lower Upper
106 100
91 195.8 165.3 247.9

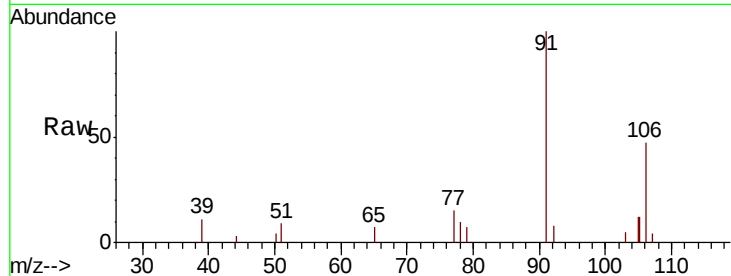




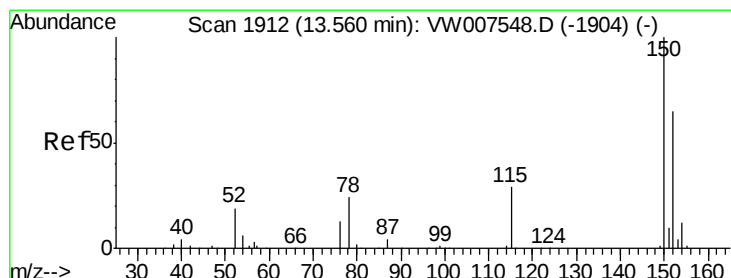
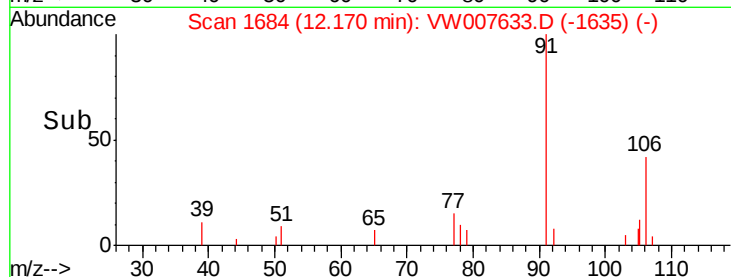
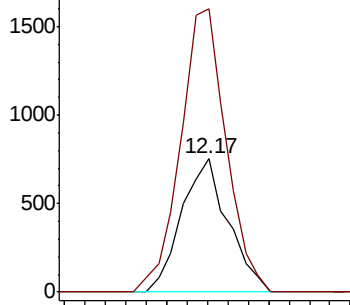
#69
o-Xylene
Concen: 1.509 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007633.D
Acq: 17 Dec 2018 15:58

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:106 Resp: 1194
Ion Ratio Lower Upper
106 100
91 207.6 106.6 319.8

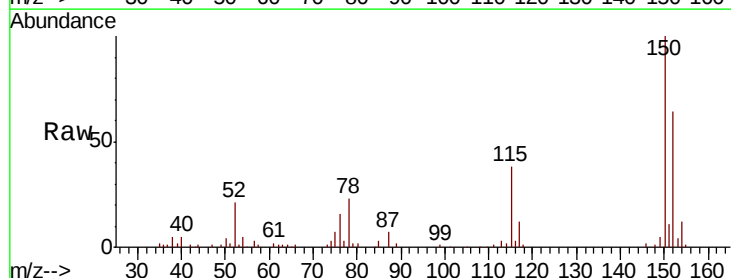


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

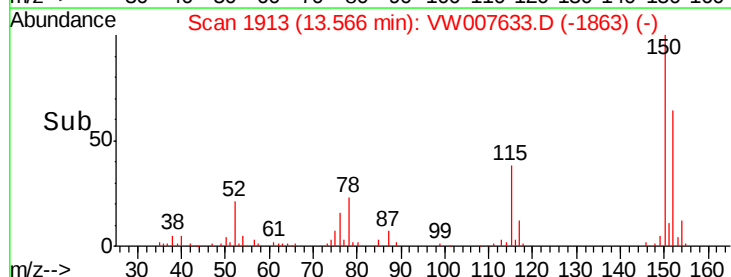
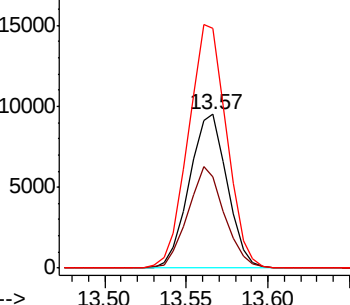


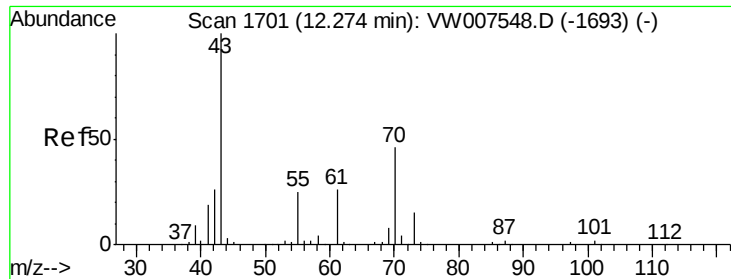
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.01 min
Lab File: VW007633.D
Acq: 17 Dec 2018 15:58

Tgt Ion:152 Resp: 15392
Ion Ratio Lower Upper
152 100
115 63.5 31.4 94.2
150 160.2 0.0 358.4



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





#74

N-amvl acetate

Concen: 3.294 ug/l

RT: 12.24 min Scan# 1696

Delta R.T. -0.03 min

Lab File: VW007633.D

Acq: 17 Dec 2018 15:58

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 706

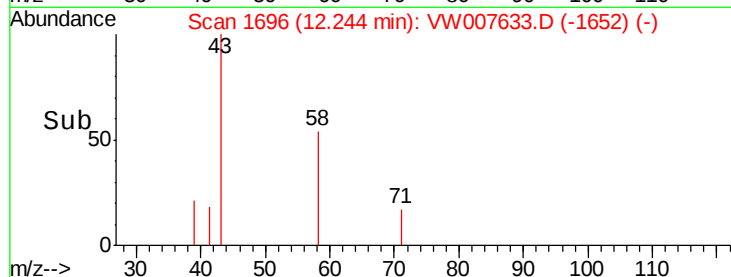
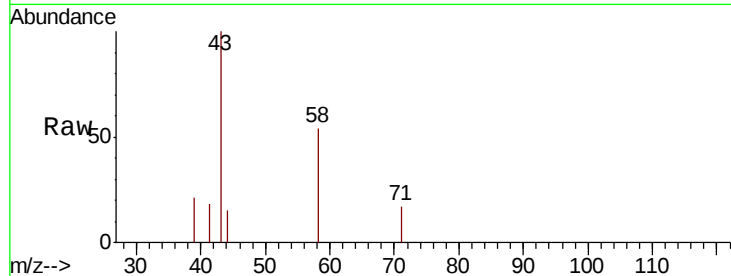
Ion Ratio Lower Upper

43 100

70 0.0 36.5 54.7#

55 0.0 20.1 30.1#

61 0.0 19.3 28.9#

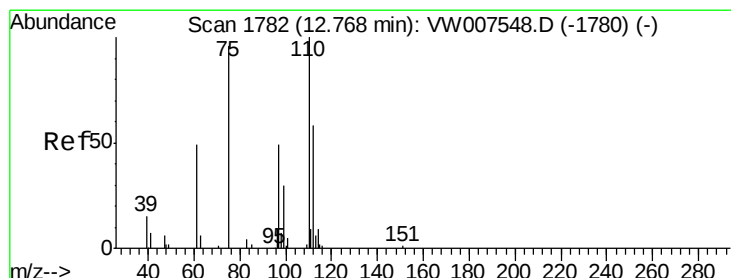
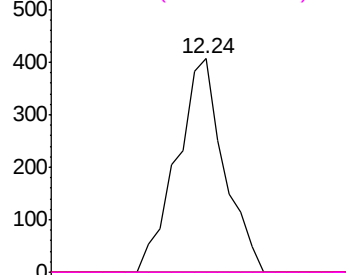


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#76

1,2,3-Trichloropropane

Concen: 79.213 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007633.D

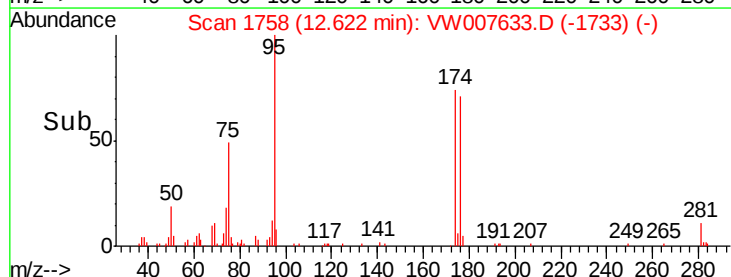
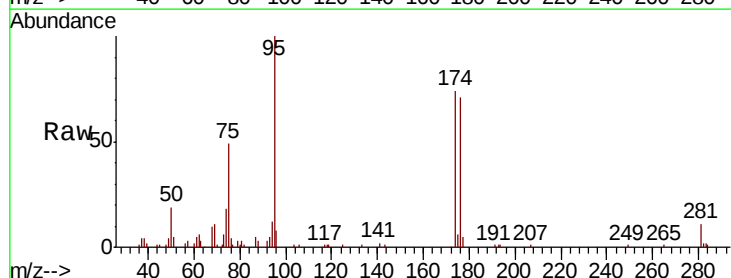
Acq: 17 Dec 2018 15:58

Tgt Ion: 75 Resp: 10053

Ion Ratio Lower Upper

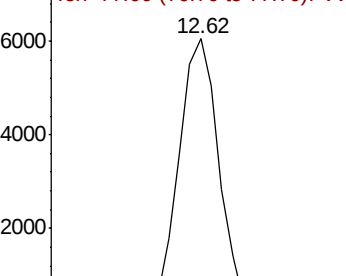
75 100

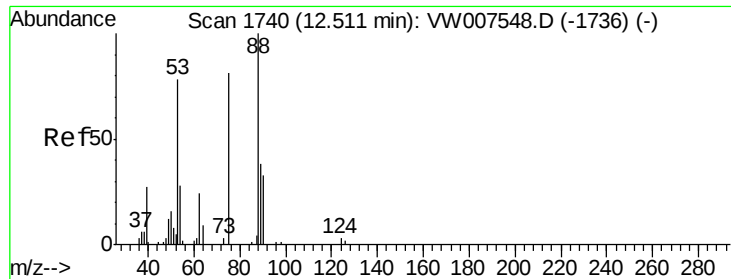
77 0.6 166.9 500.8#



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: 174.982 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007633.D

Acq: 17 Dec 2018 15:58

Instrument :

MSVOA_W

ClientSampleId :

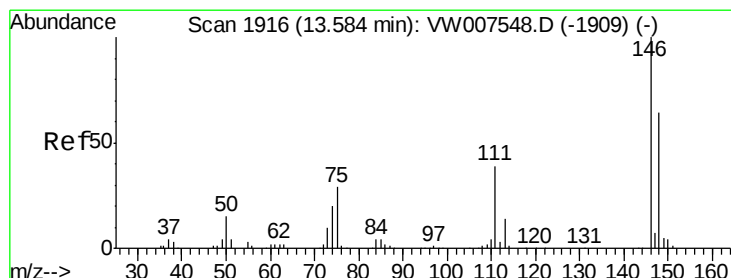
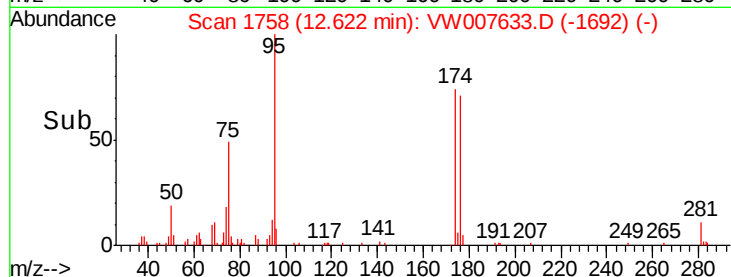
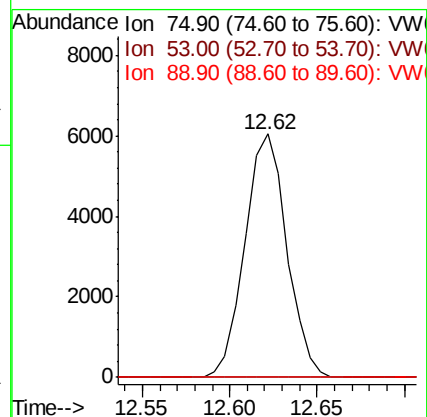
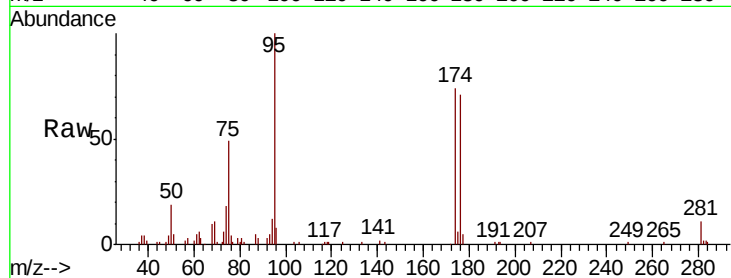
Tot Ion: 75 Resp: 10053

Ion Ratio Lower Upper

75 100

53 0.0 84.9 127.3#

89 0.0 40.3 60.5#



#88

1,4-Dichlorobenzene

Concen: 2.126 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VW007633.D

Acq: 17 Dec 2018 15:58

Tgt Ion: 146 Resp: 1114

Ion Ratio Lower Upper

146 100

111 60.9 20.3 61.0

148 67.8 33.5 100.5

