

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122518\
 Data File : VW007892.D
 Acq On : 24 Dec 2018 16:43
 Operator : SY/AP
 Sample : J6446-09
 Misc : 3.22G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 25 02:04:13 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	56225	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	85851	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	52434	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	13612	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	33743	54.76	ug/l	0.00
Spiked Amount			Recovery	=	109.52%	
35) Dibromofluoromethane	7.88	113	27118	51.78	ug/l	0.00
Spiked Amount			Recovery	=	103.56%	
50) Toluene-d8	10.32	98	79794	40.41	ug/l	0.00
Spiked Amount			Recovery	=	80.82%	
62) 4-Bromofluorobenzene	12.62	95	17416	22.83	ug/l	0.00
Spiked Amount			Recovery	=	45.66%	

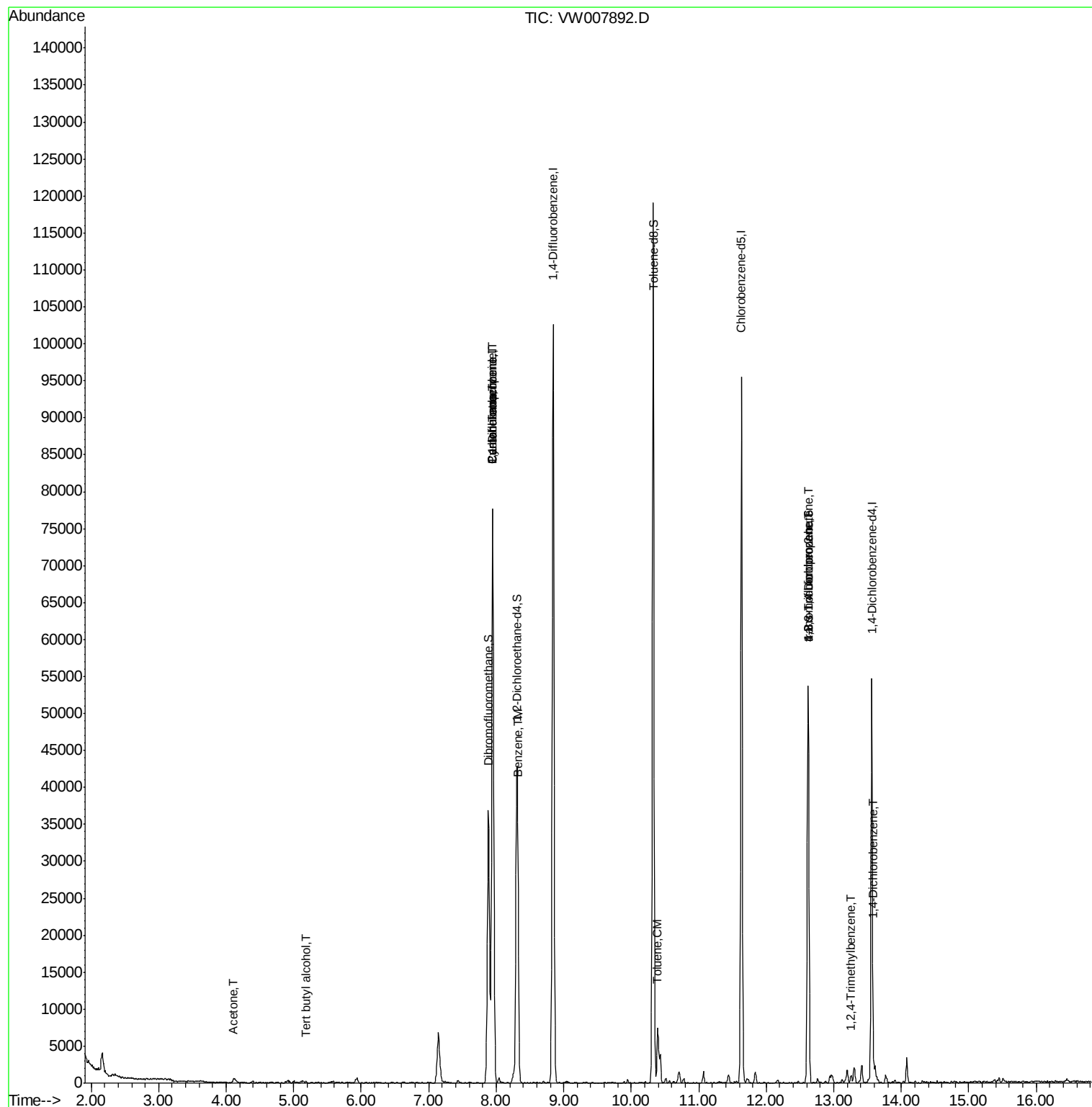
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	98	2.357	ug/l #	73
16) Acetone	4.10	43	1221	10.581	ug/l #	88
20) Methylene Chloride	4.90	84	154	Below Cal	#	14
31) Cyclohexane	7.95	56	1136	1.238	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	4331	5.227	ug/l #	48
38) Carbon Tetrachloride	7.95	117	6041	6.190	ug/l #	15
40) Benzene	8.32	78	6992	3.162	ug/l #	89
52) Toluene	10.39	92	2500	1.685	ug/l	100
76) 1,2,3-Trichloropropane	12.62	75	9191	87.360	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	9191	183.376	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.26	105	922	1.030	ug/l	90
88) 1,4-Dichlorobenzene	13.58	146	710	1.516	ug/l #	79

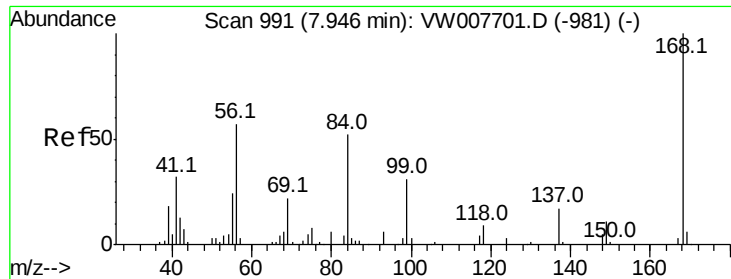
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122518\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007892.D

Acq: 24 Dec 2018 16:43

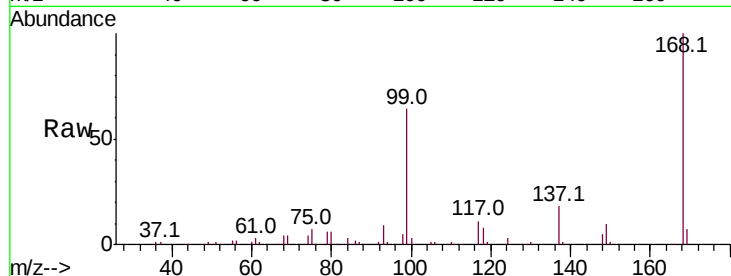
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 56225

Ion Ratio Lower Upper

168 100

99 64.1 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

30000

25000

20000

15000

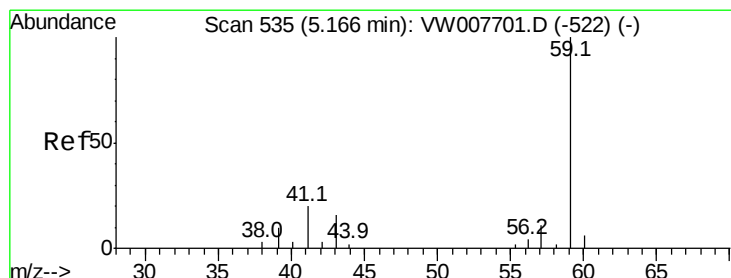
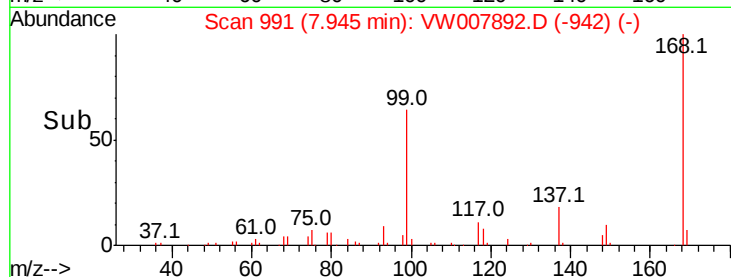
10000

5000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#11

Tert butyl alcohol

Concen: 2.357 ug/l

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW007892.D

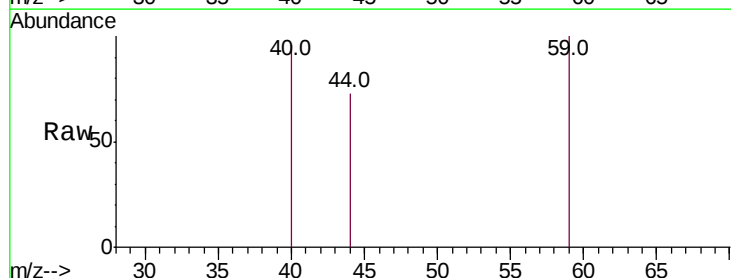
Acq: 24 Dec 2018 16:43

Tgt Ion: 59 Resp: 98

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

5.18

80

60

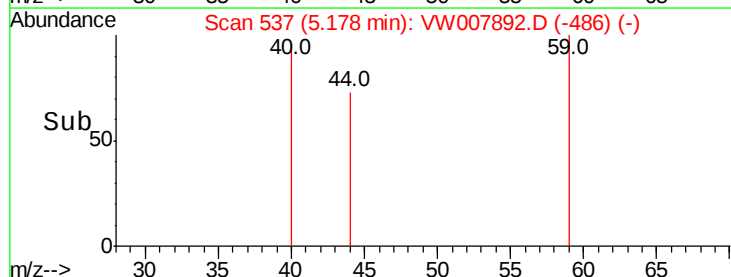
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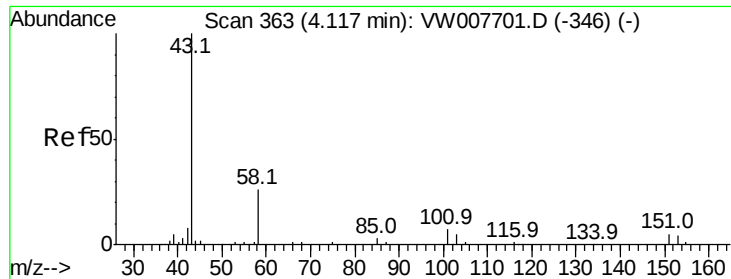
20

0

Time-->

5.16 5.18 5.20 5.22





#16

Acetone

Concen: 10.581 ug/l

RT: 4.10 min Scan# 361

Delta R.T. -0.01 min

Lab File: VW007892.D

Acq: 24 Dec 2018 16:43

Instrument :

MSVOA_W

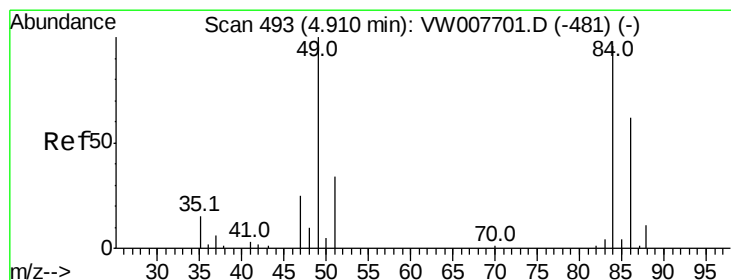
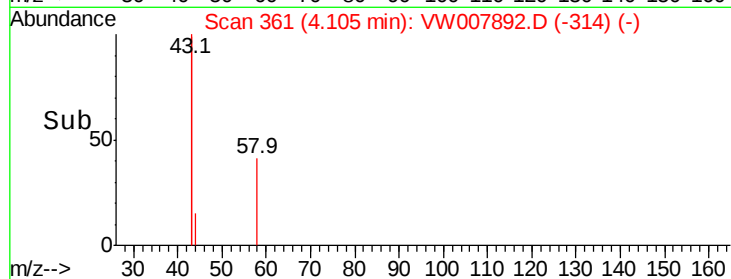
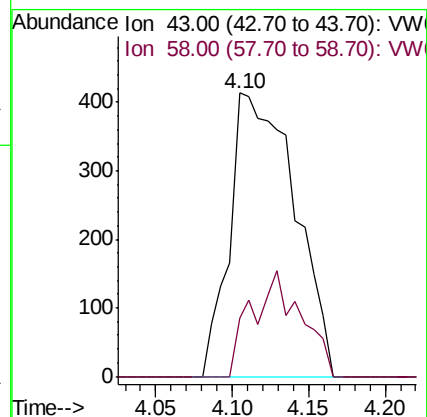
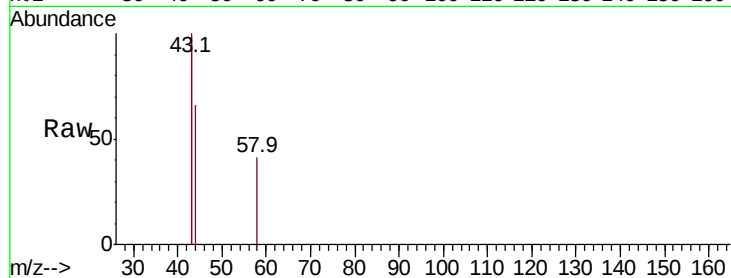
ClientSampleId :

Tot Ion: 43 Resp: 1221

Ion Ratio Lower Upper

43 100

58 20.6 21.2 31.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW007892.D

Acq: 24 Dec 2018 16:43

Tgt Ion: 84 Resp: 154

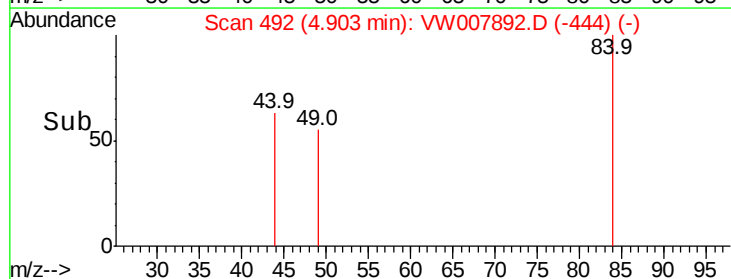
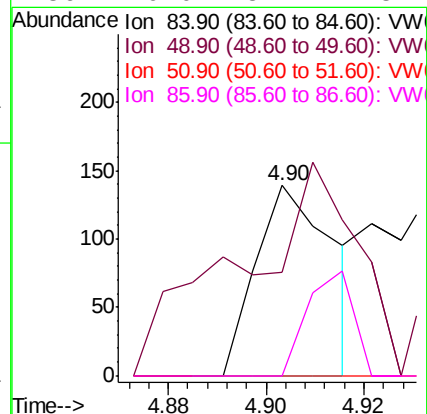
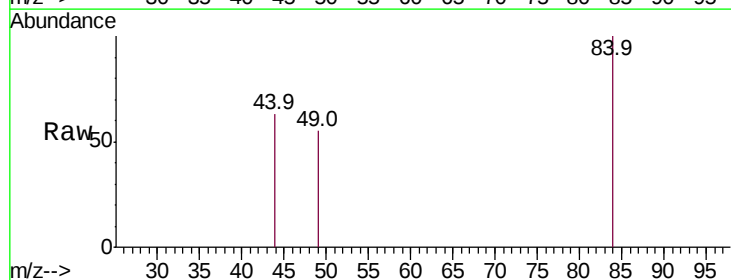
Ion Ratio Lower Upper

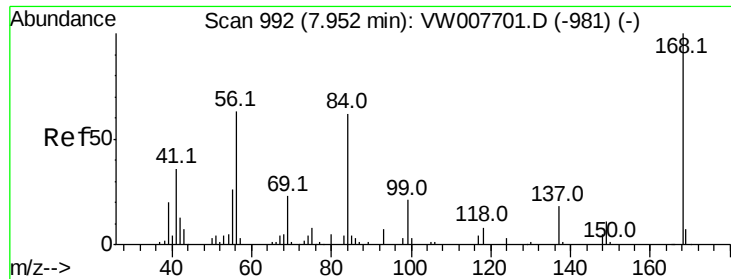
84 100

49 5.8 83.7 125.5#

51 0.0 28.2 42.2#

86 0.0 52.2 78.2#

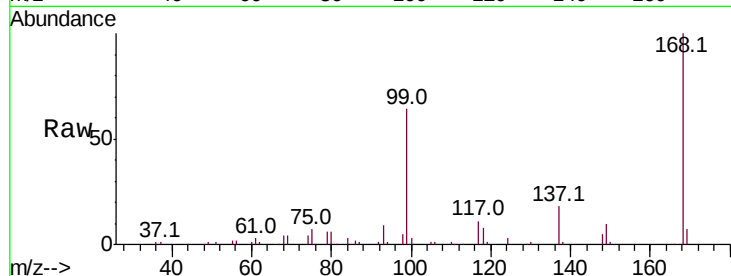




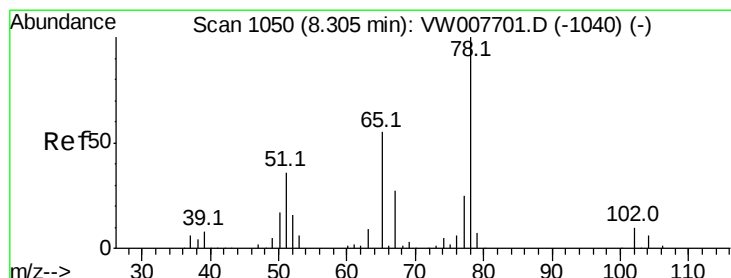
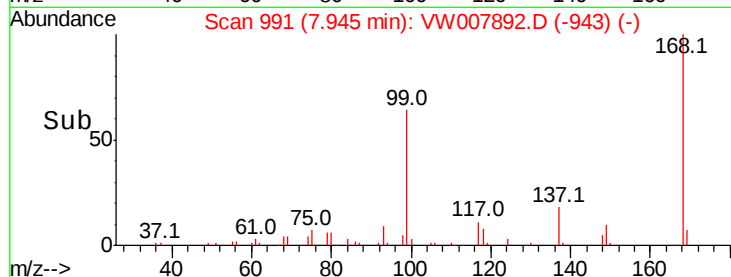
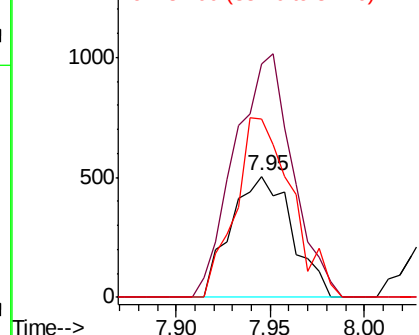
#31
Cyclohexane
Concen: 1.238 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW007892.D
Acq: 24 Dec 2018 16:43

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 1136
Ion Ratio Lower Upper
56 100
69 192.7 29.7 44.5#
84 147.7 78.9 118.3#

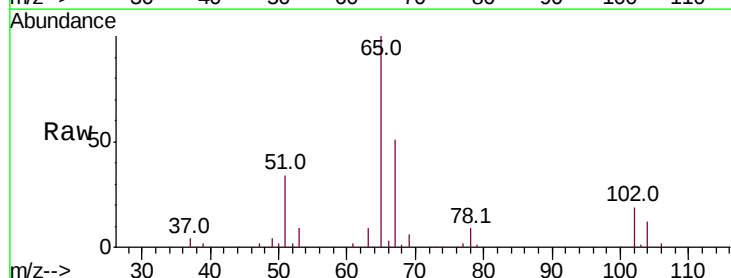


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

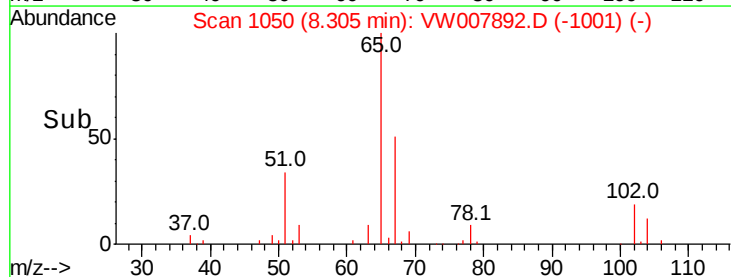
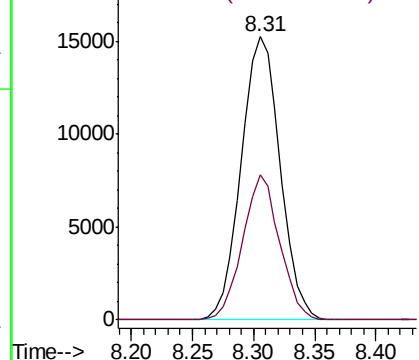


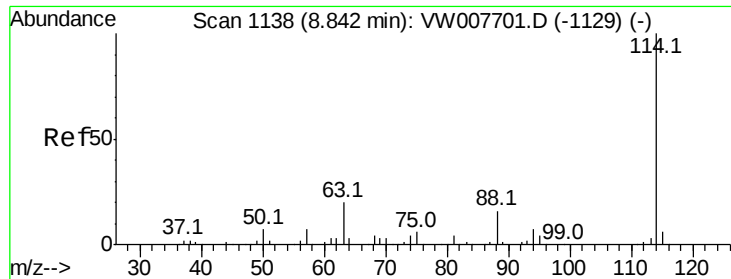
#33
1,2-Dichloroethane-d4
Concen: 54.755 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW007892.D
Acq: 24 Dec 2018 16:43

Tgt Ion: 65 Resp: 33743
Ion Ratio Lower Upper
65 100
67 48.6 0.0 100.6



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

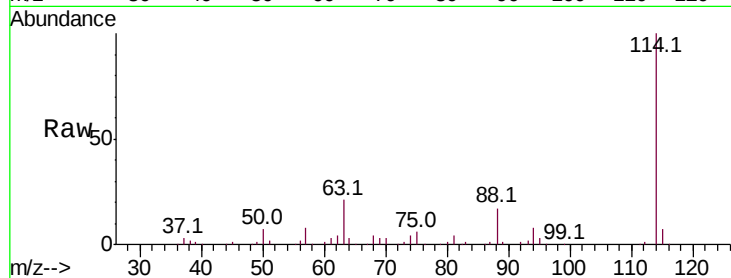




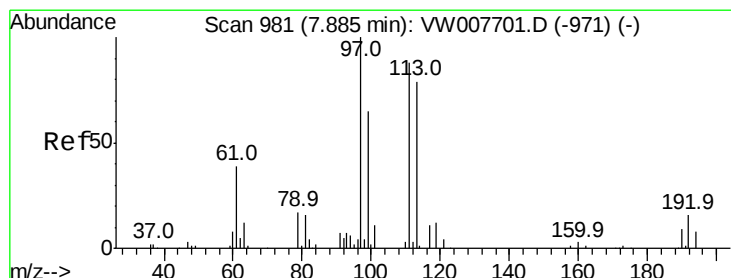
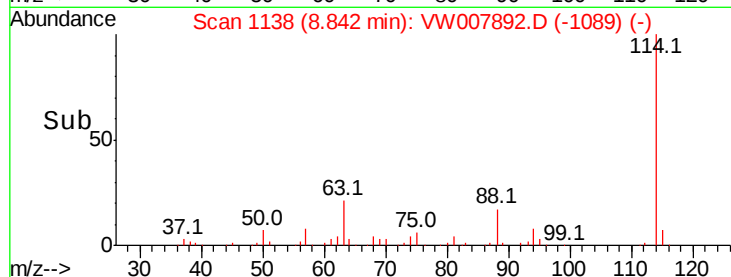
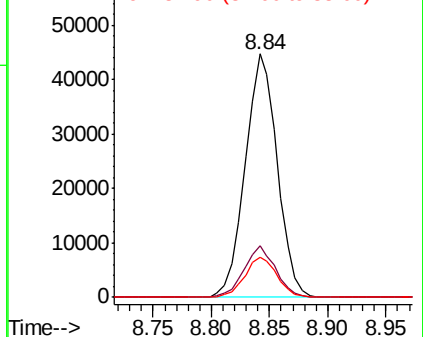
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007892.D
 Acq: 24 Dec 2018 16:43

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:114 Resp: 85851
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 40.0
 88 16.7 0.0 32.6

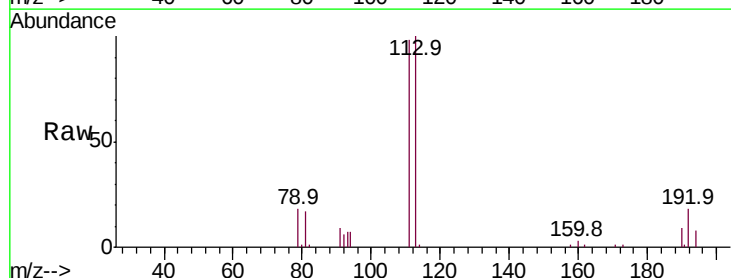


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

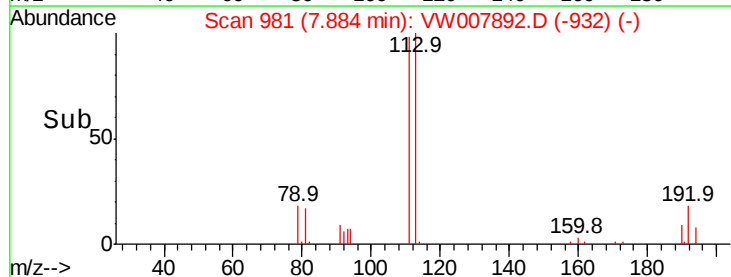
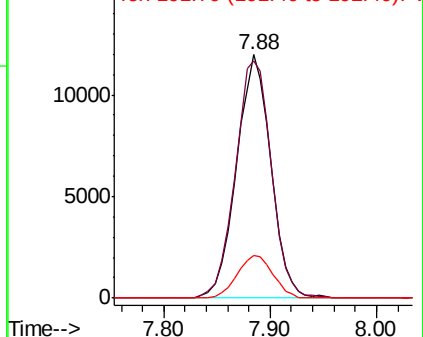


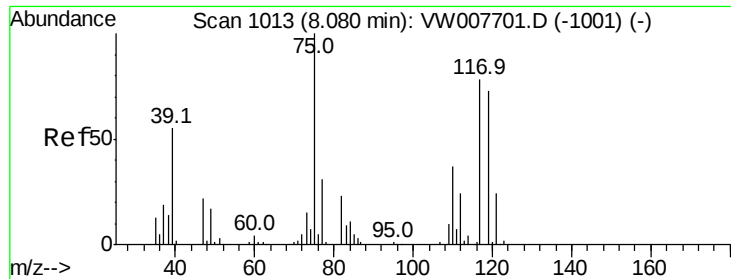
#35
 Dibromofluoromethane
 Concen: 51.778 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007892.D
 Acq: 24 Dec 2018 16:43

Tgt Ion:113 Resp: 27118
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.6 124.0
 192 18.1 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

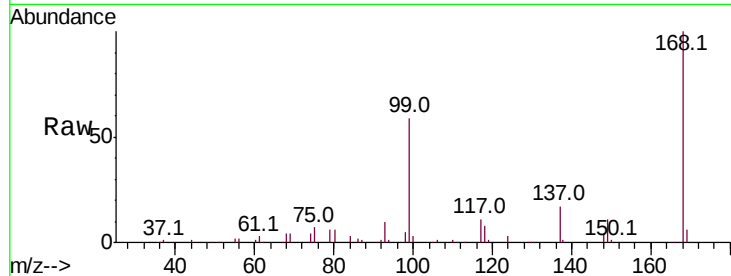




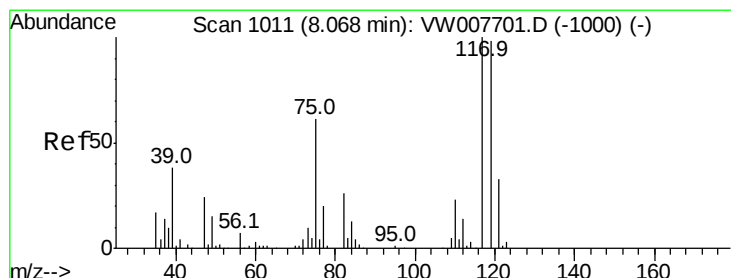
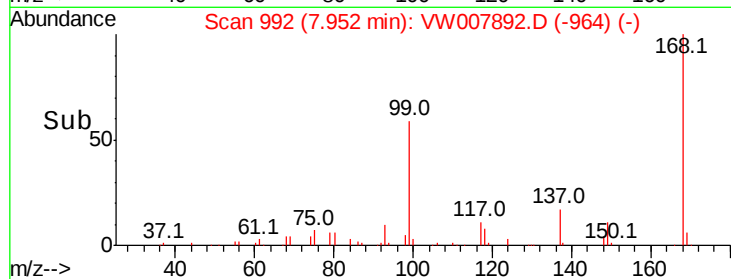
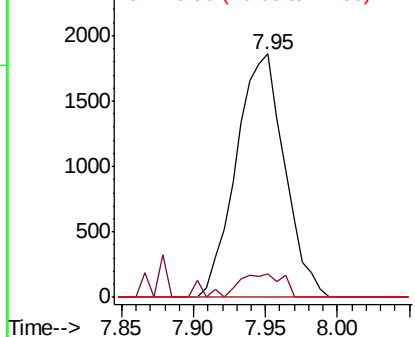
#36
 1,1-Dichloropropene
 Concen: 5.227 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW007892.D
 Acq: 24 Dec 2018 16:43

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.6	55.8#
77	0.0	25.0	37.4#

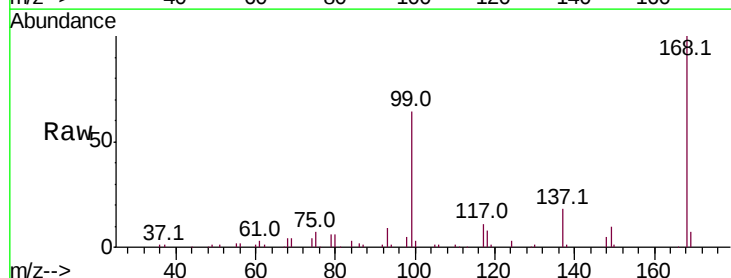


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

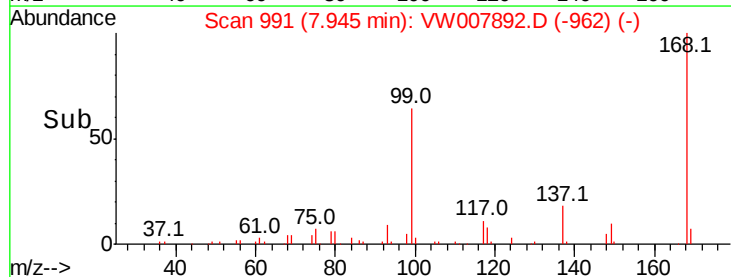
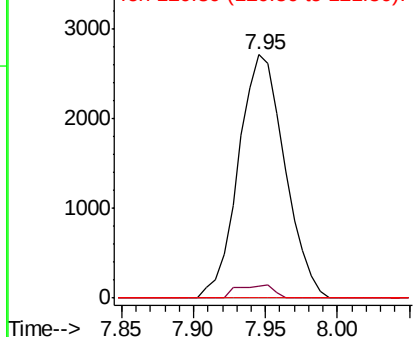


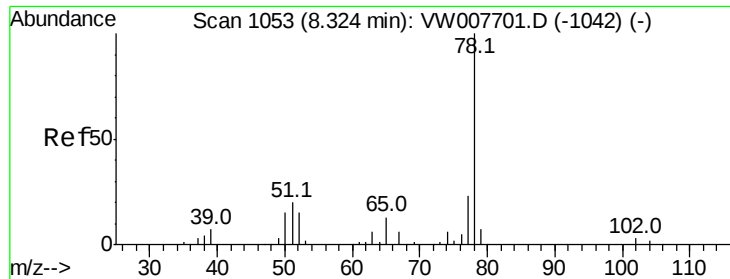
#38
 Carbon Tetrachloride
 Concen: 6.190 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW007892.D
 Acq: 24 Dec 2018 16:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	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





#40

Benzene

Concen: 3.162 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW007892.D

Acq: 24 Dec 2018 16:43

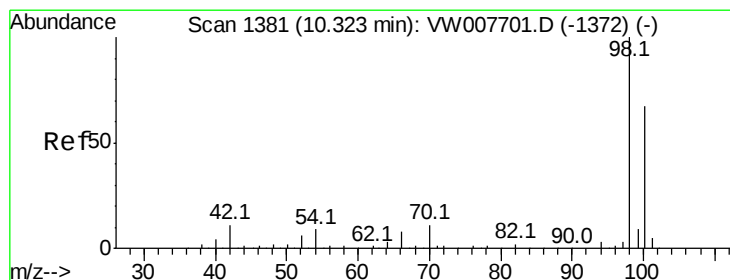
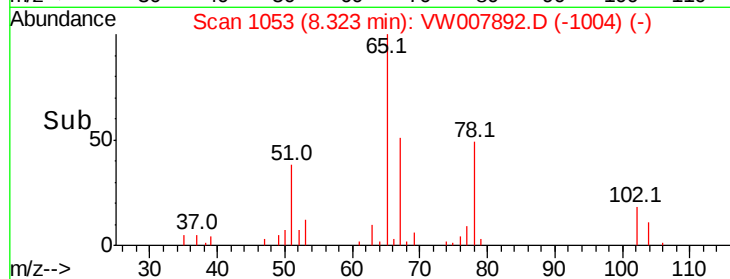
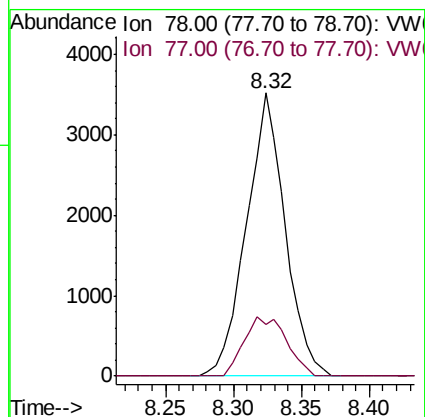
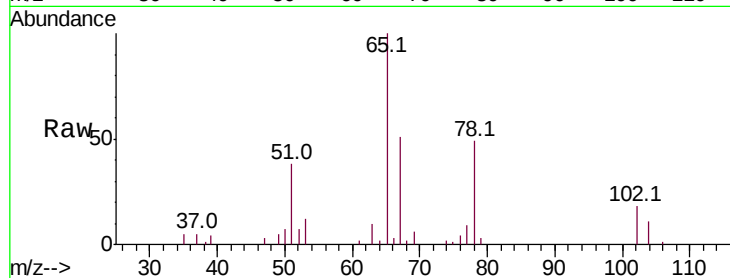
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 78 Resp: 6992

Ion Ratio Lower Upper

78 100

77 18.2 18.7 28.1#



#50

Toluene-d8

Concen: 40.414 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007892.D

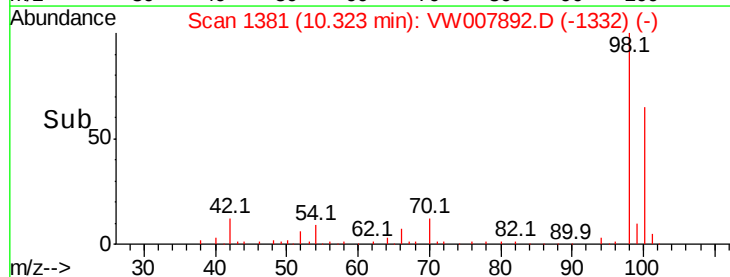
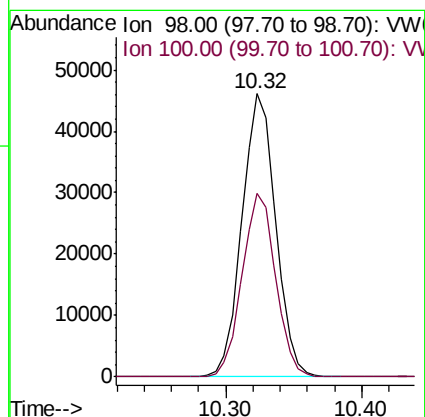
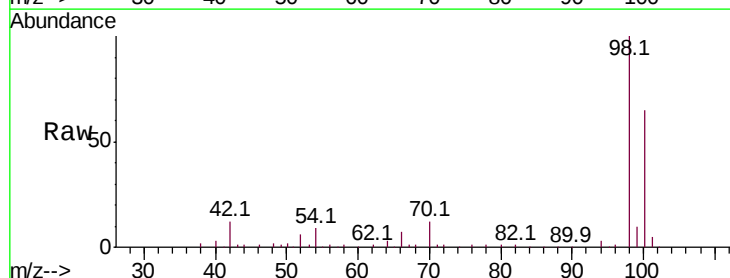
Acq: 24 Dec 2018 16:43

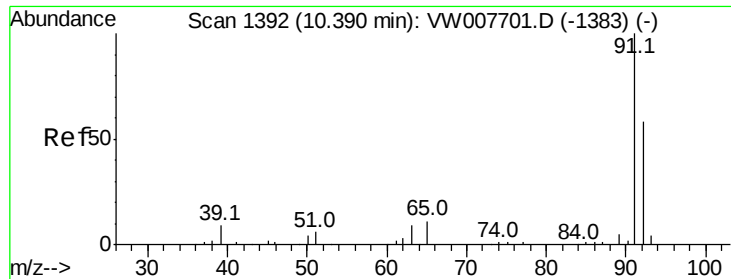
Tgt Ion: 98 Resp: 79794

Ion Ratio Lower Upper

98 100

100 64.6 52.2 78.2





#52

Toluene

Concen: 1.685 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007892.D

Acq: 24 Dec 2018 16:43

Instrument :

MSVOA_W

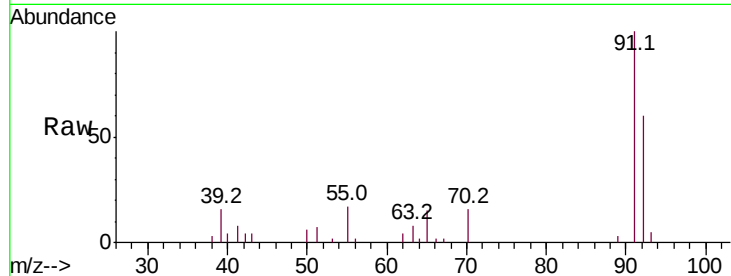
ClientSampleId :

Tot Ion: 92 Resp: 2500

Ion Ratio Lower Upper

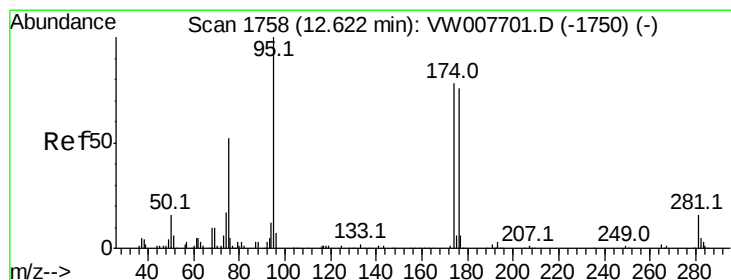
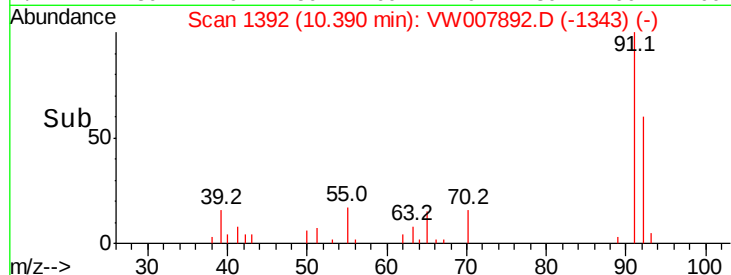
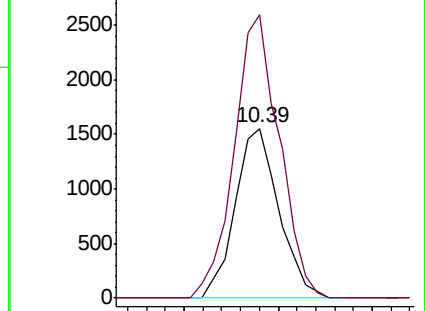
92 100

91 171.7 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#62

4-Bromofluorobenzene

Concen: 22.833 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007892.D

Acq: 24 Dec 2018 16:43

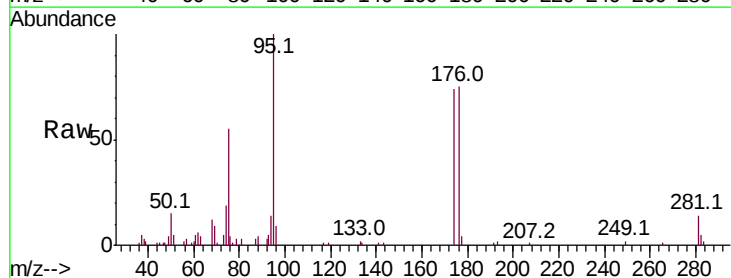
Tgt Ion: 95 Resp: 17416

Ion Ratio Lower Upper

95 100

174 75.1 0.0 152.2

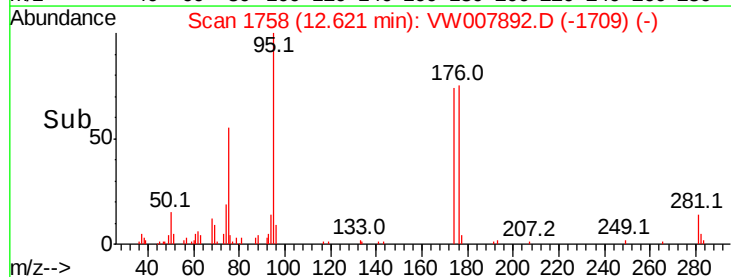
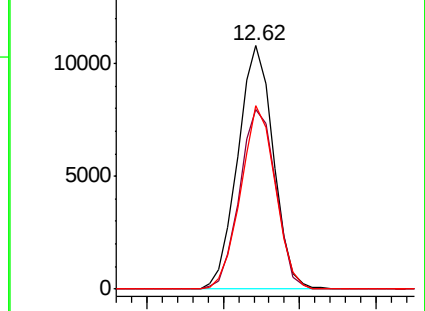
176 73.2 0.0 146.8

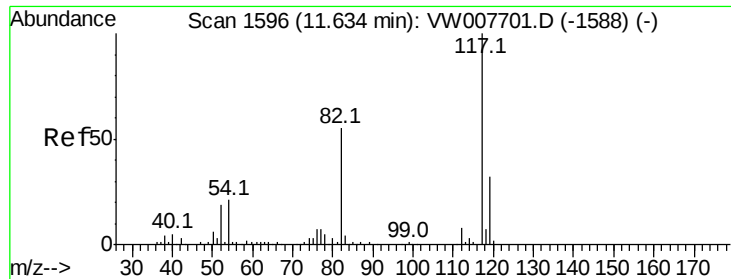


Abundance Ion 94.90 (94.60 to 95.60): VW

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: VW007892.D

Acq: 24 Dec 2018 16:43

Instrument :

MSVOA_W

ClientSampleId :

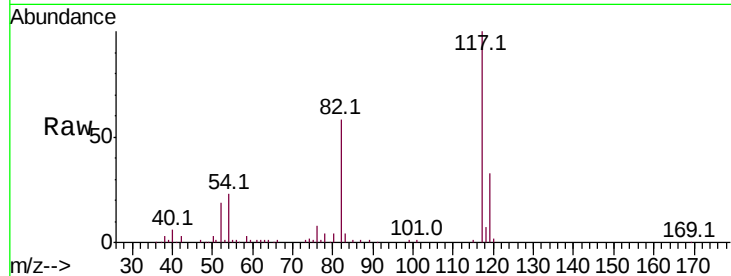
Tot Ion:117 Resp: 52434

Ion Ratio Lower Upper

117 100

82 57.8 44.3 66.5

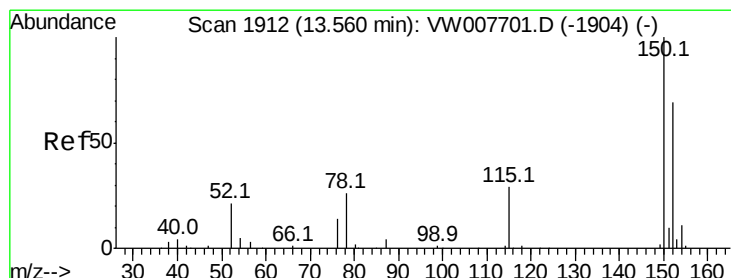
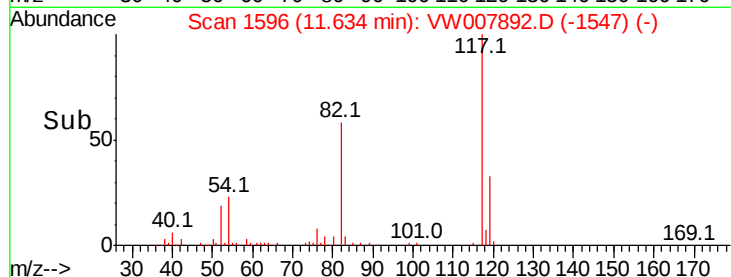
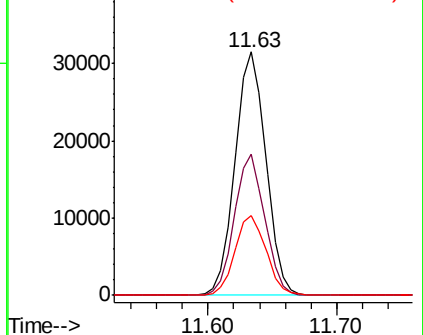
119 33.0 25.7 38.5



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007892.D

Acq: 24 Dec 2018 16:43

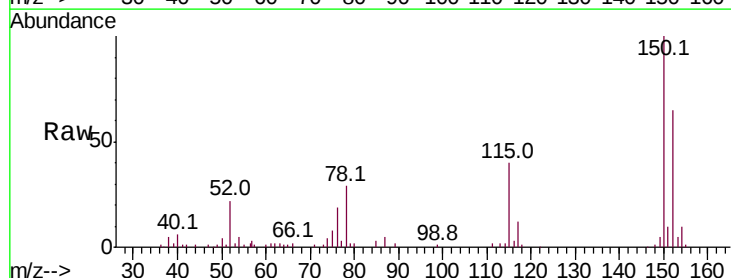
Tgt Ion:152 Resp: 13612

Ion Ratio Lower Upper

152 100

115 64.1 31.8 95.4

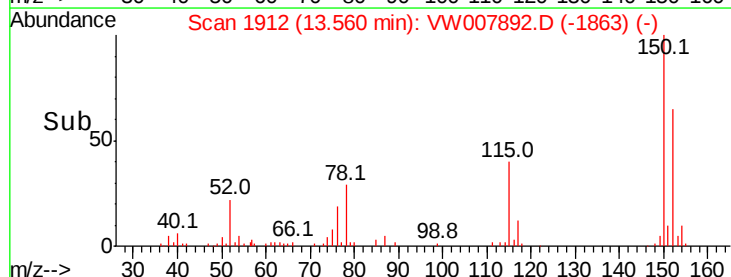
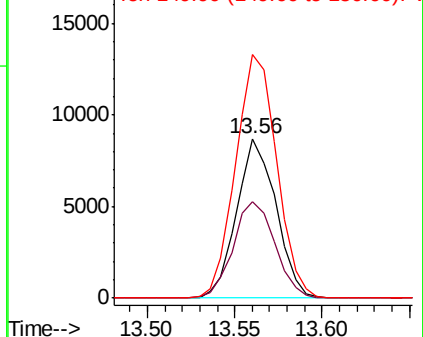
150 159.5 0.0 350.8

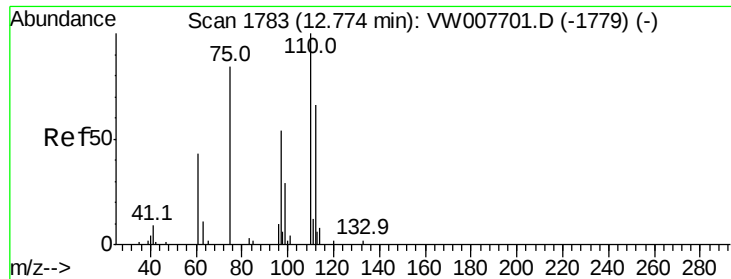


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

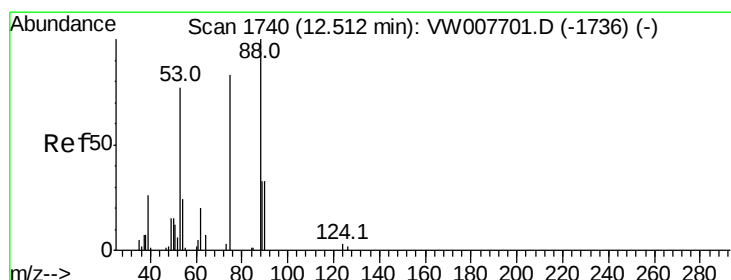
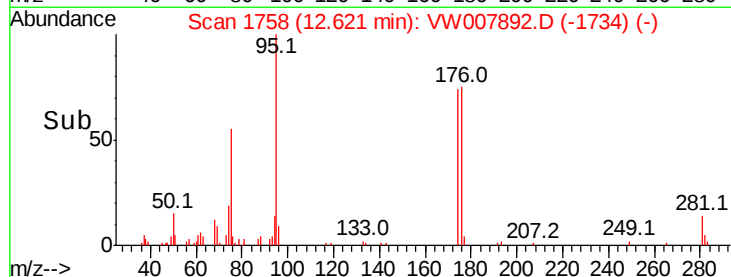
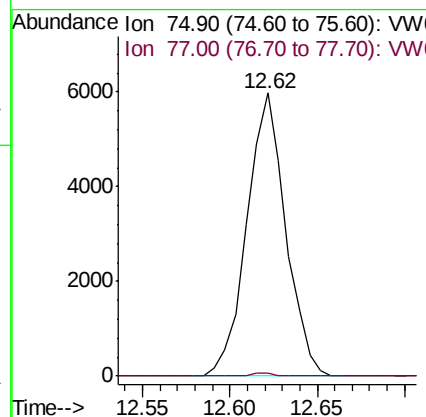
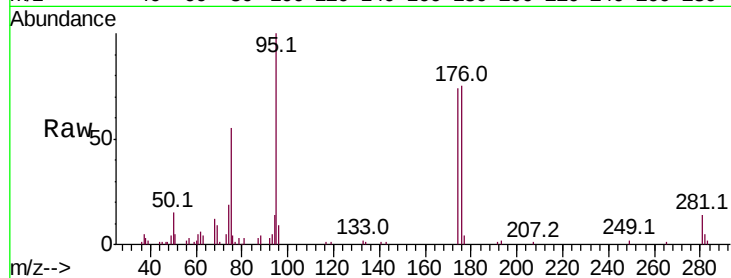




#76
 1,2,3-Trichloropropane
 Concen: 87.360 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW007892.D
 Acq: 24 Dec 2018 16:43

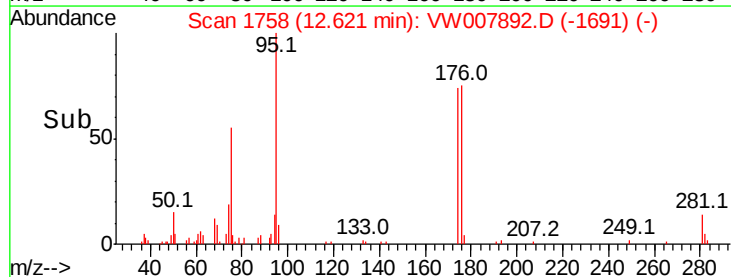
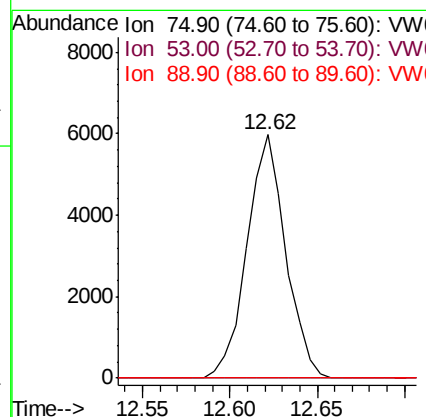
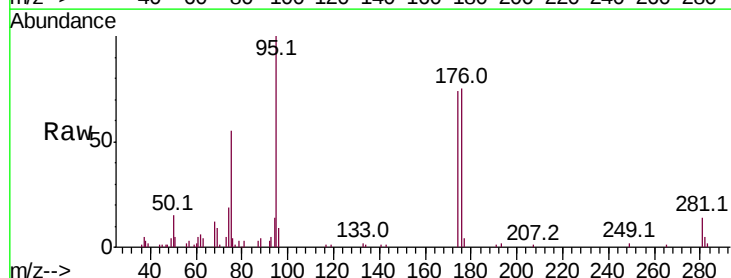
Instrument :
 MSVOA_W
 ClientSampleId :

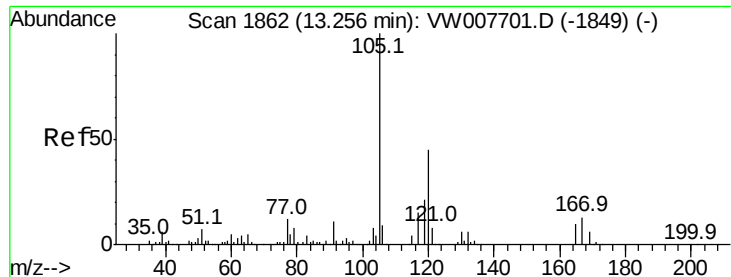
Tot Ion: 75 Resp: 9191
 Ion Ratio Lower Upper
 75 100
 77 0.6 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 183.376 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW007892.D
 Acq: 24 Dec 2018 16:43

Tgt Ion: 75 Resp: 9191
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.2 120.2#
 89 0.0 39.2 58.8#

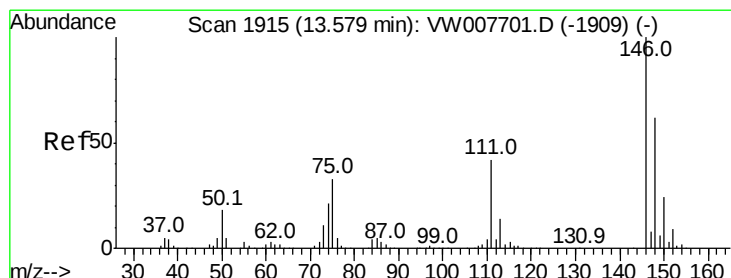
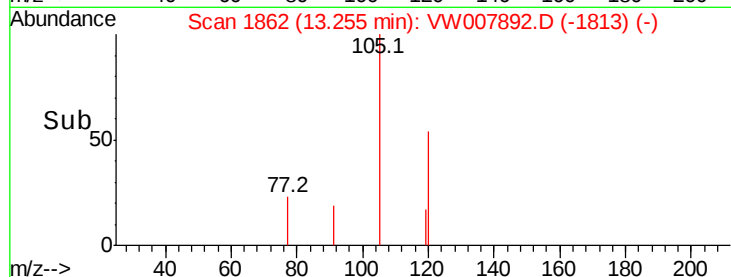
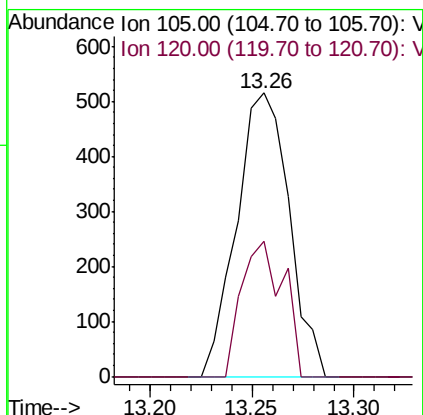
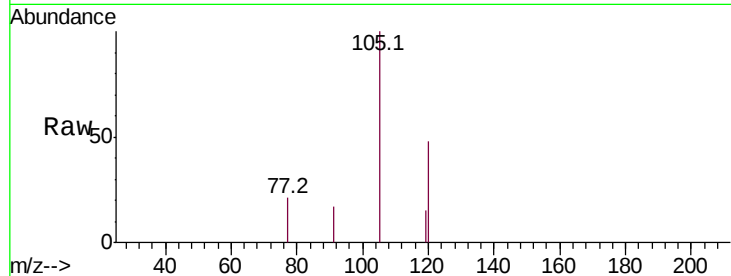




#84
 1,2,4-Trimethylbenzene
 Concen: 1.030 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW007892.D
 Acq: 24 Dec 2018 16:43

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:105 Resp: 922
 Ion Ratio Lower Upper
 105 100
 120 37.7 22.0 66.0



#88
 1,4-Dichlorobenzene
 Concen: 1.516 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW007892.D
 Acq: 24 Dec 2018 16:43

Tgt Ion:146 Resp: 710
 Ion Ratio Lower Upper
 146 100
 111 72.4 21.0 63.0#
 148 60.6 31.8 95.4

