

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121318\
 Data File : VW007430.D
 Acq On : 12 Dec 2018 08:15
 Operator : SY/AP
 Sample : J6322-06
 Misc : 7.15G/5ML/MSVOA W/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 12 11:12:32 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	77864	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	138955	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	121072	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	53484	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	38067	44.07	ug/l	0.00
Spiked Amount			Recovery	=	88.14%	
35) Dibromofluoromethane	7.88	113	36162	42.99	ug/l	0.00
Spiked Amount			Recovery	=	85.98%	
50) Toluene-d8	10.32	98	122563	38.86	ug/l	0.00
Spiked Amount			Recovery	=	77.72%	
62) 4-Bromofluorobenzene	12.62	95	44179	38.10	ug/l	0.00
Spiked Amount			Recovery	=	76.20%	

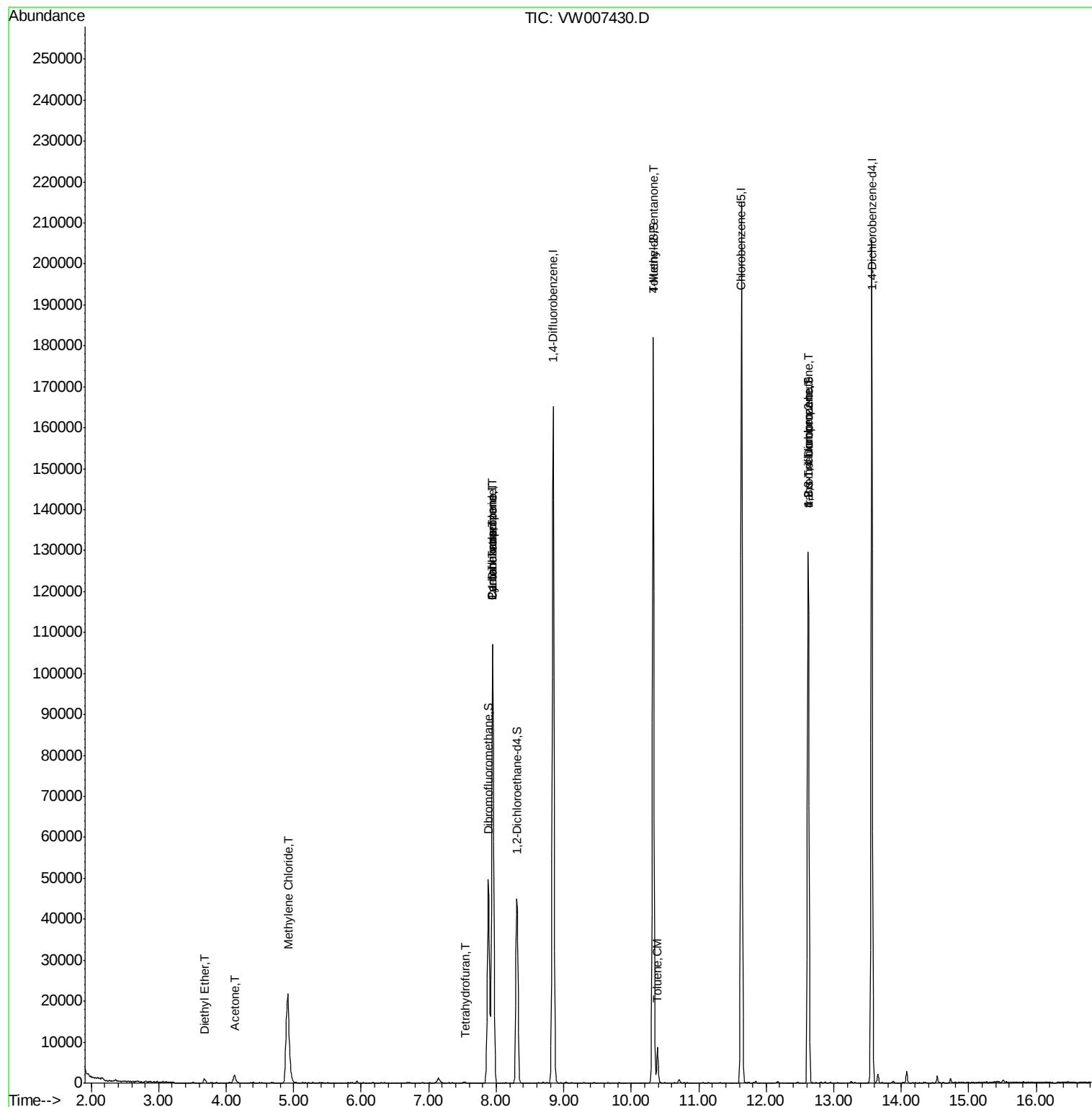
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	579	1.539	ug/l	94
16) Acetone	4.12	43	3269	21.665	ug/l #	87
20) Methylene Chloride	4.92	84	18557	20.151	ug/l	99
29) Tetrahydrofuran	7.53	42	138	1.107	ug/l #	30
31) Cyclohexane	7.94	56	1598	1.191	ug/l #	27
36) 1,1-Dichloropropene	7.95	75	6088	4.803	ug/l #	50
38) Carbon Tetrachloride	7.95	117	8519	6.177	ug/l #	16
51) 4-Methyl-2-Pentanone	10.32	43	556	1.264	ug/l #	1
52) Toluene	10.39	92	3756	1.650	ug/l	94
76) 1,2,3-Trichloropropane	12.62	75	22420	50.840	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	22420	112.306	ug/l #	7

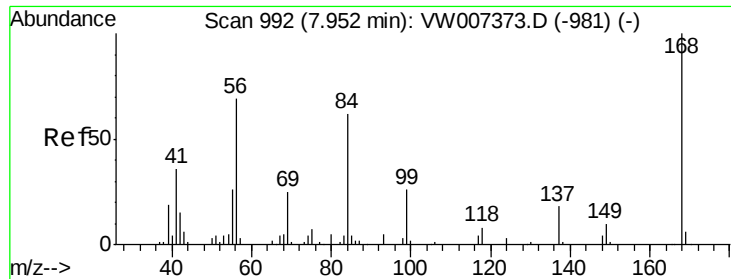
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW121318\
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ClientSampleId :

Quant Time: Dec 12 11:12:32 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: VW007430.D

Acq: 12 Dec 2018 08:15

Instrument :

MSVOA_W

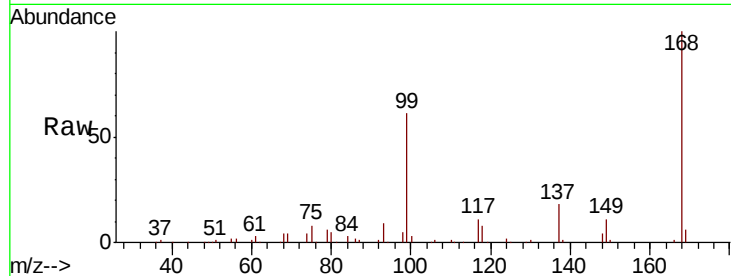
ClientSampleId :

Tot Ion:168 Resp: 77864

Ion Ratio Lower Upper

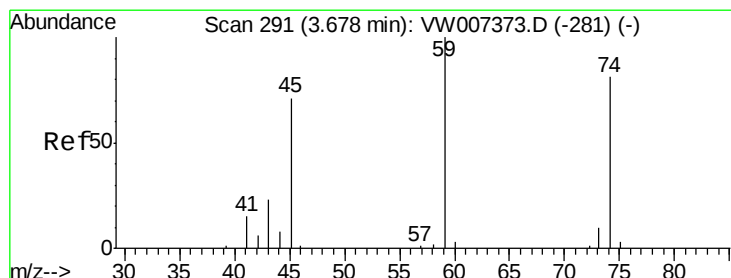
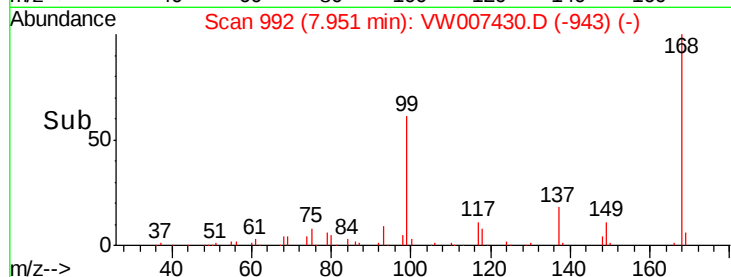
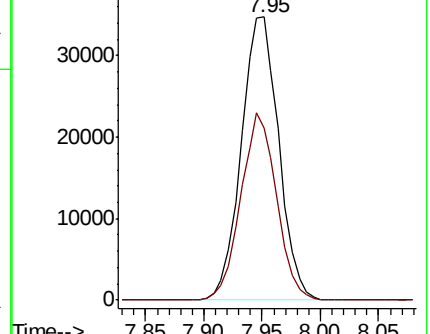
168 100

99 60.8 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.539 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW007430.D

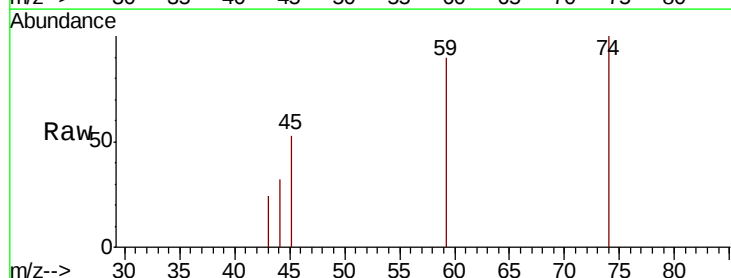
Acq: 12 Dec 2018 08:15

Tgt Ion: 74 Resp: 579

Ion Ratio Lower Upper

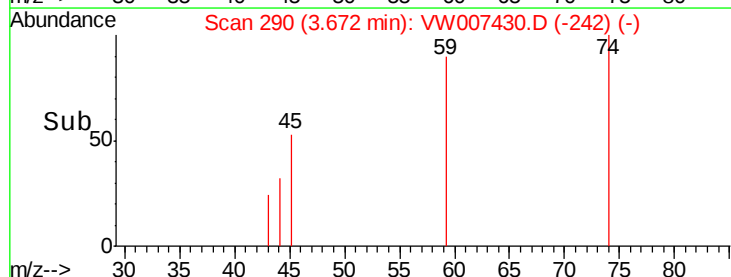
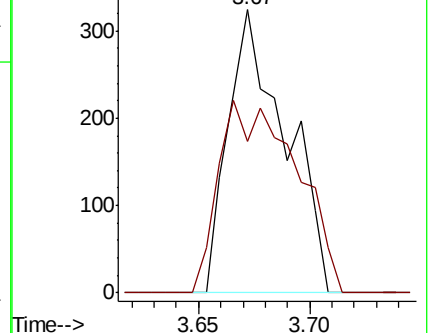
74 100

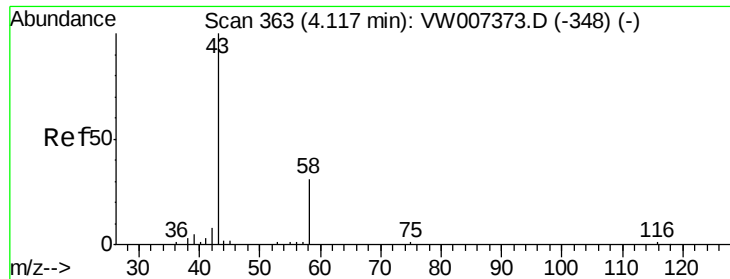
45 91.7 43.0 129.0



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#16

Acetone

Concen: 21.665 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007430.D

Acq: 12 Dec 2018 08:15

Instrument :

MSVOA_W

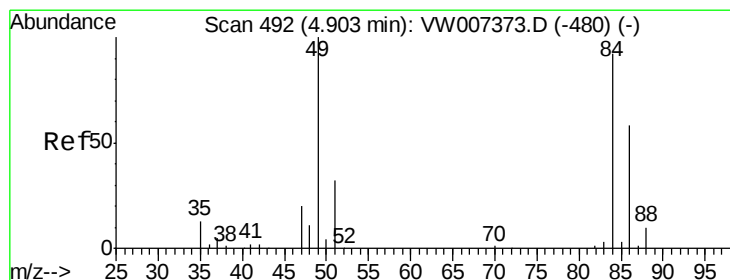
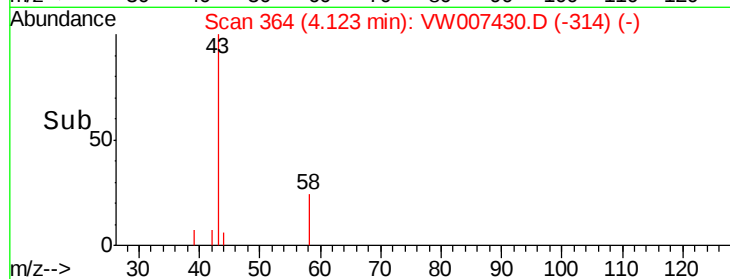
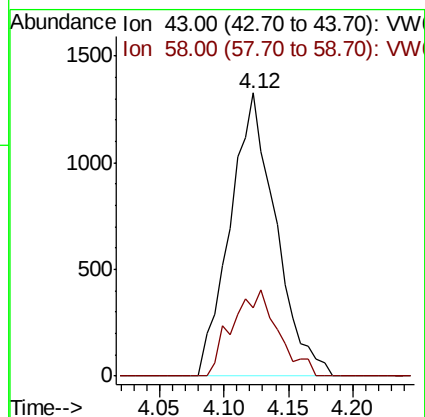
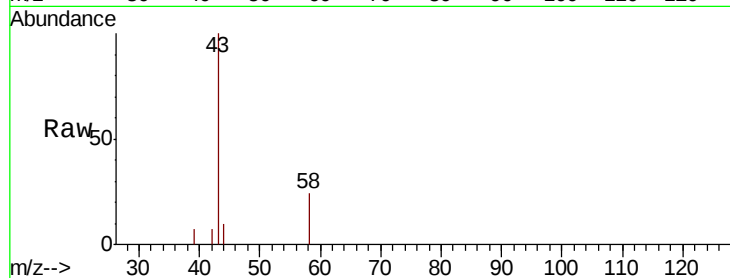
ClientSampled :

Tot Ion: 43 Resp: 3269

Ion Ratio Lower Upper

43 100

58 24.0 24.9 37.3#



#20

Methylene Chloride

Concen: 20.151 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW007430.D

Acq: 12 Dec 2018 08:15

Tgt Ion: 84 Resp: 18557

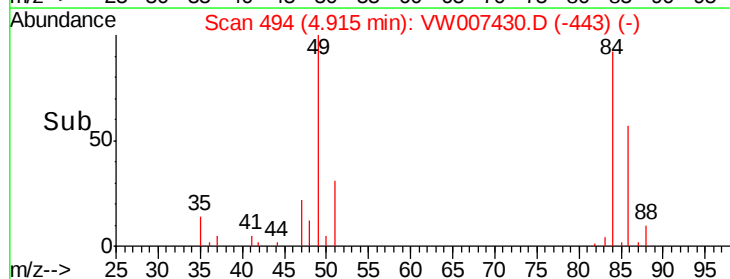
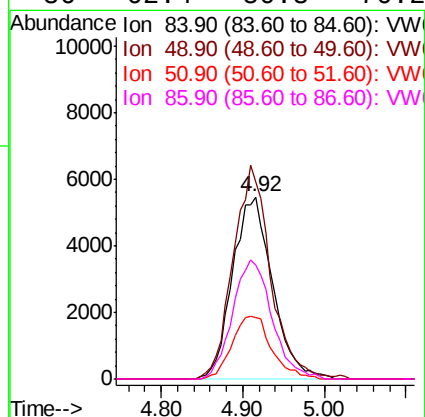
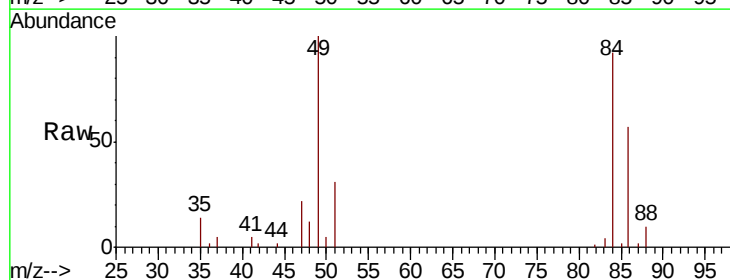
Ion Ratio Lower Upper

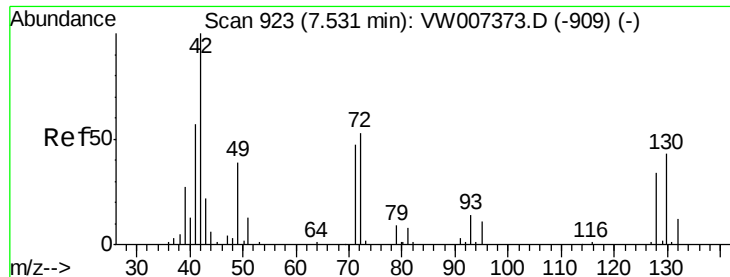
84 100

49 108.7 87.1 130.7

51 33.9 28.2 42.2

86 62.4 50.8 76.2

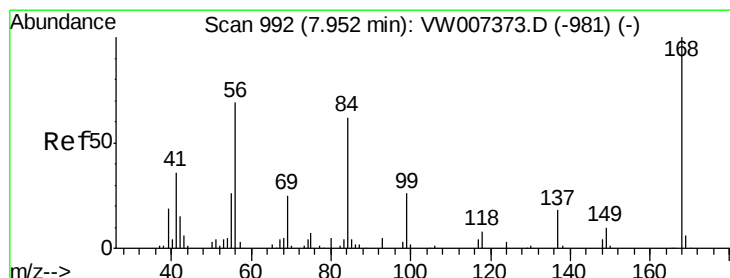
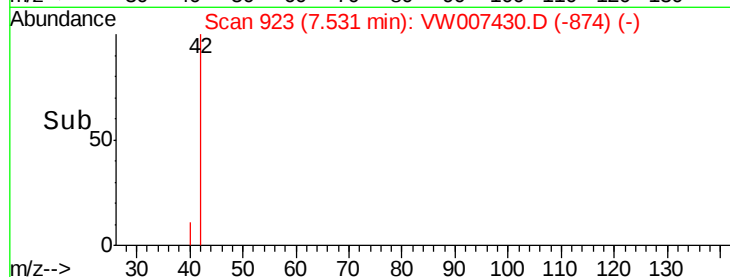
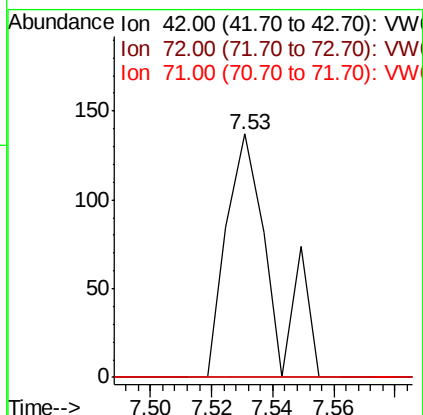
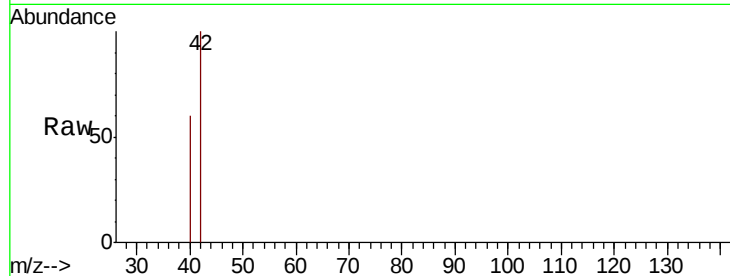




#29
Tetrahydrofuran
Concen: 1.107 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW007430.D
Acq: 12 Dec 2018 08:15

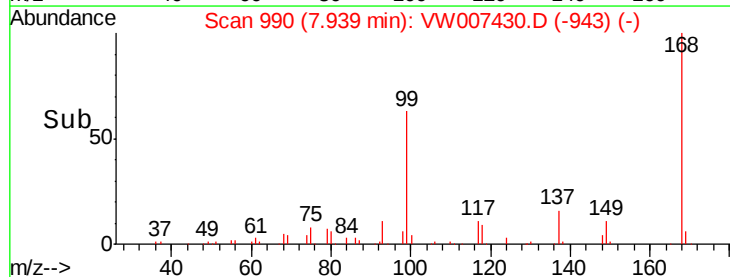
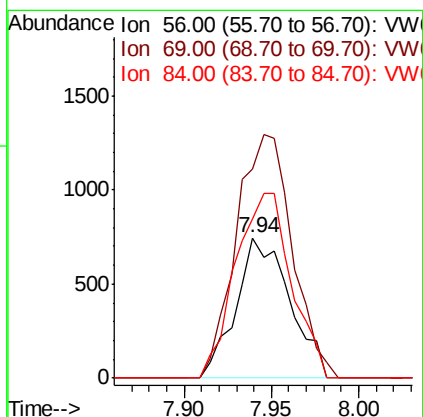
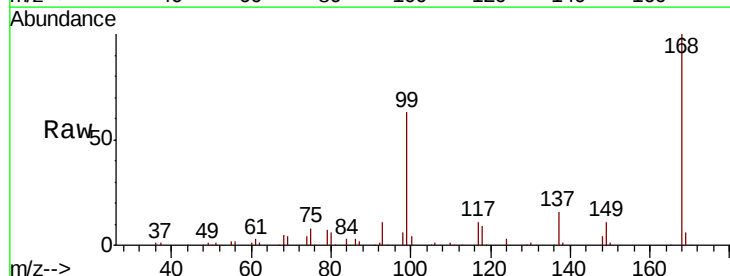
Instrument :
MSVOA_W
ClientSampleId :

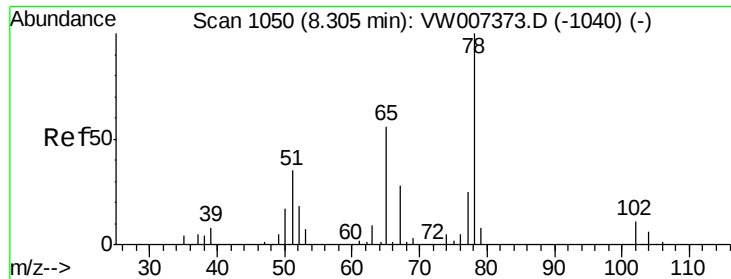
Tot Ion: 42 Resp: 138
Ion Ratio Lower Upper
42 100
72 0.0 38.2 57.4#
71 0.0 35.5 53.3#



#31
Cyclohexane
Concen: 1.191 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW007430.D
Acq: 12 Dec 2018 08:15

Tgt Ion: 56 Resp: 1598
Ion Ratio Lower Upper
56 100
69 149.0 28.9 43.3#
84 113.8 71.8 107.6#

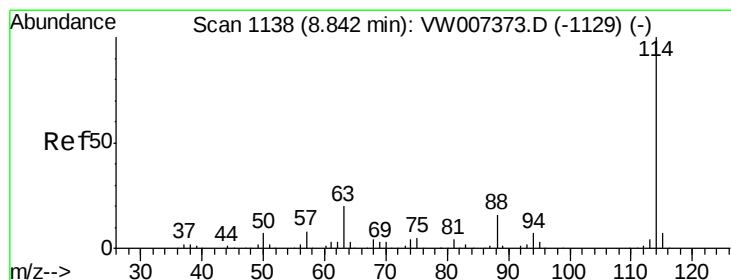
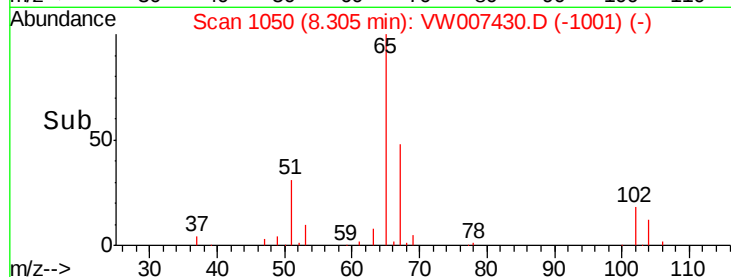
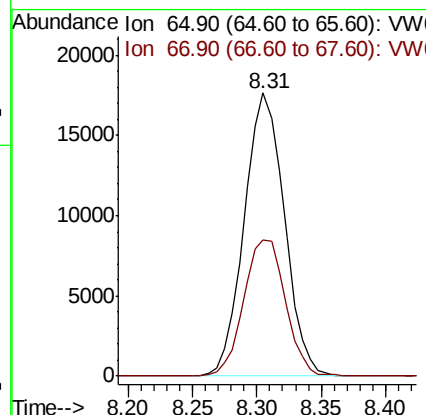
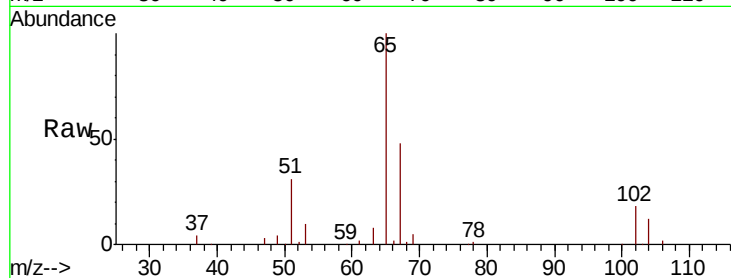




#33
 1,2-Dichloroethane-d4
 Concen: 44.067 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007430.D
 Acq: 12 Dec 2018 08:15

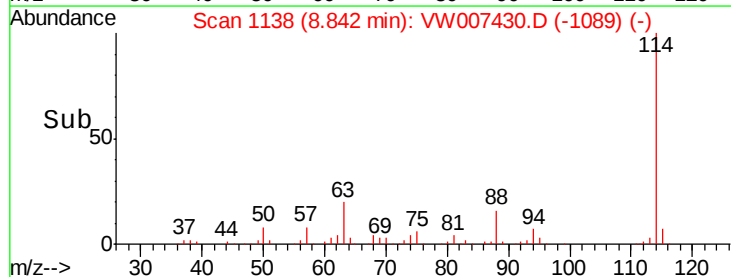
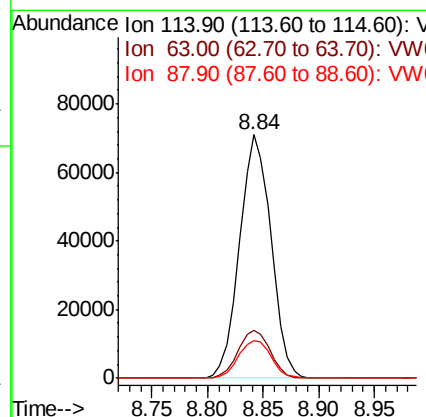
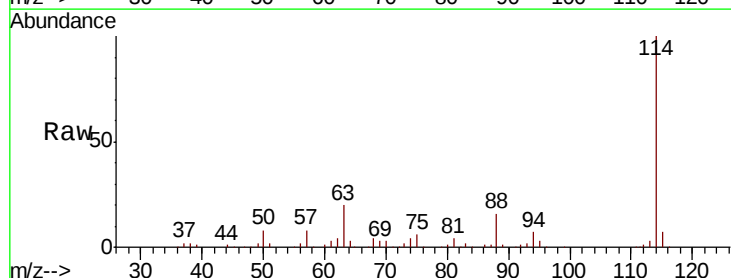
Instrument :
 MSVOA_W
 ClientSampleId :

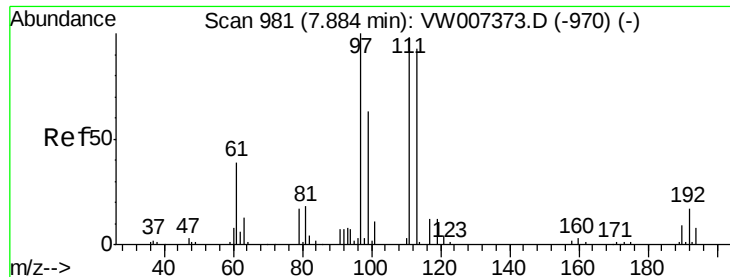
Tot Ion: 65 Resp: 38067
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007430.D
 Acq: 12 Dec 2018 08:15

Tgt Ion: 114 Resp: 138955
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.6
 88 15.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 42.991 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW007430.D

Acq: 12 Dec 2018 08:15

Instrument :

MSVOA_W

ClientSampleId :

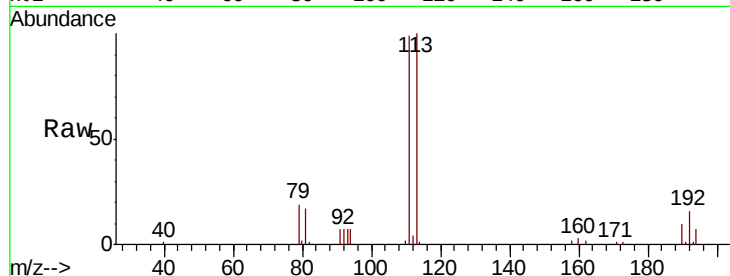
Tot Ion:113 Resp: 36162

Ion Ratio Lower Upper

113 100

111 103.2 81.1 121.7

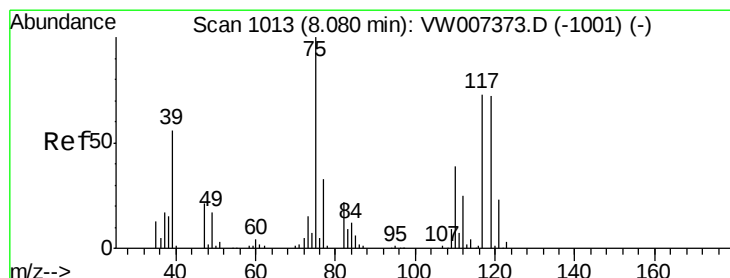
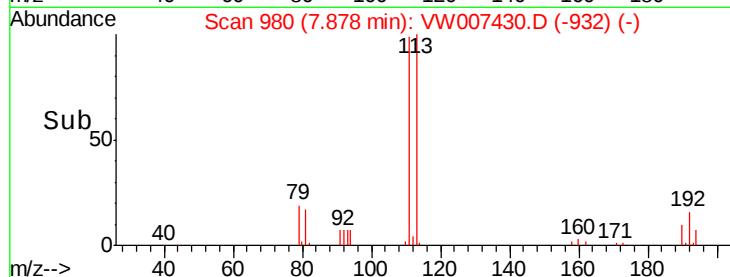
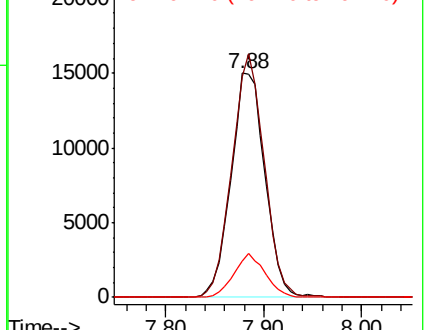
192 17.6 14.6 21.8



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: 4.803 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW007430.D

Acq: 12 Dec 2018 08:15

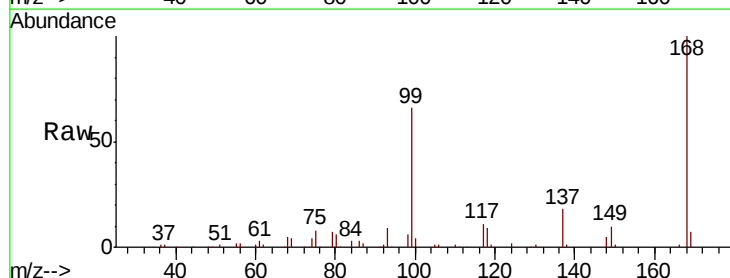
Tgt Ion: 75 Resp: 6088

Ion Ratio Lower Upper

75 100

110 10.5 18.5 55.5#

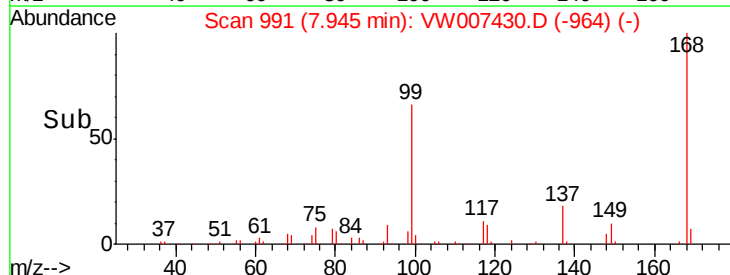
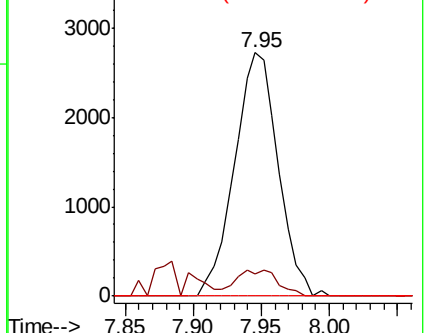
77 0.0 25.6 38.4#

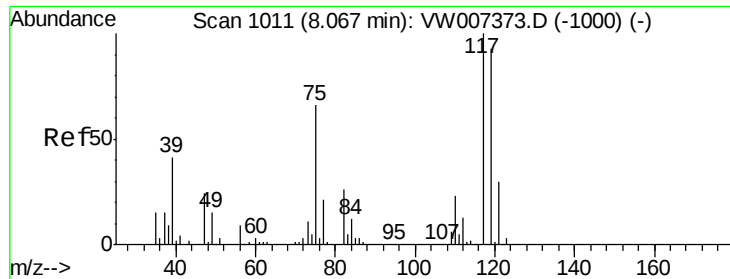


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

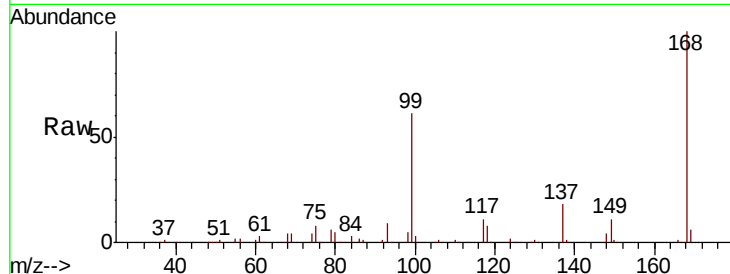




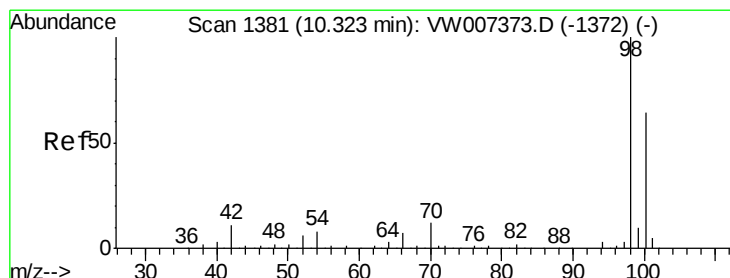
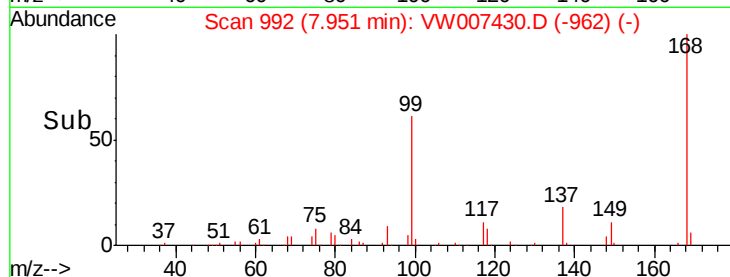
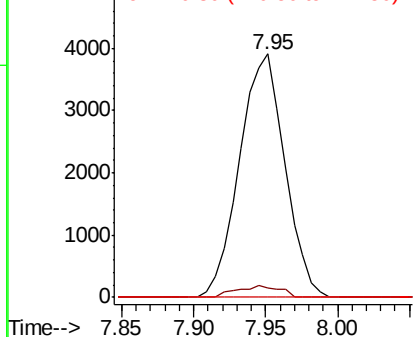
#38
Carbon Tetrachloride
Concen: 6.177 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW007430.D
Acq: 12 Dec 2018 08:15

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 8519
Ion Ratio Lower Upper
117 100
119 3.6 74.3 111.5#
121 0.0 24.3 36.5#

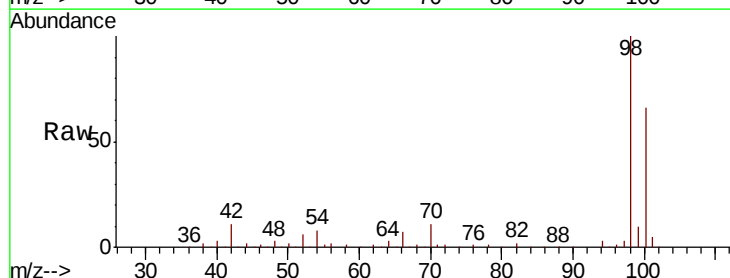


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

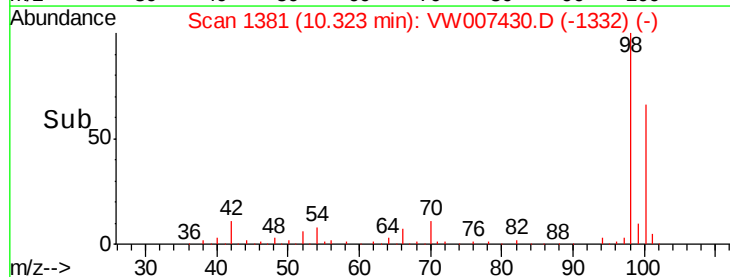
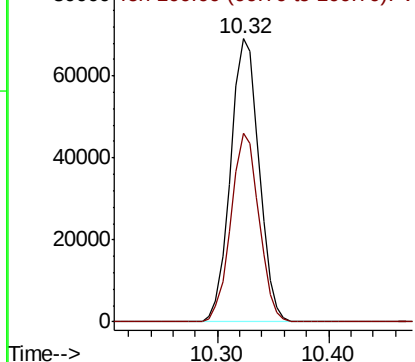


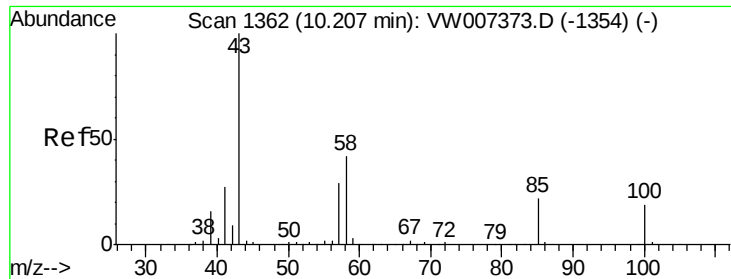
#50
Toluene-d8
Concen: 38.861 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007430.D
Acq: 12 Dec 2018 08:15

Tgt Ion: 98 Resp: 122563
Ion Ratio Lower Upper
98 100
100 65.5 51.8 77.8



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





#51

4-Methyl-2-Pentanone

Concen: 1.264 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. 0.11 min

Lab File: VW007430.D

Acq: 12 Dec 2018 08:15

Instrument :

MSVOA_W

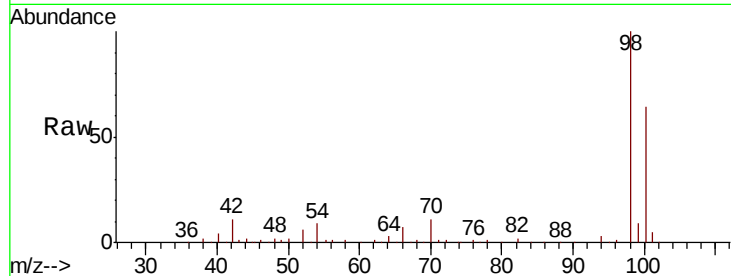
ClientSampled :

Tot Ion: 43 Resp: 556

Ion Ratio Lower Upper

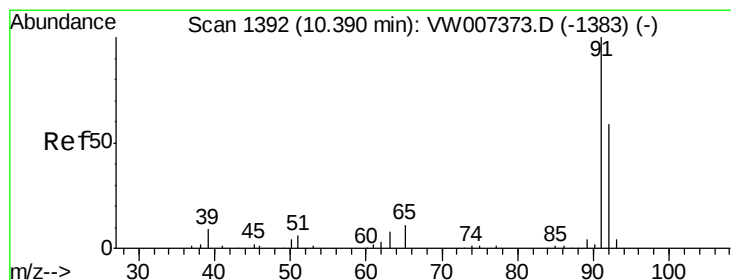
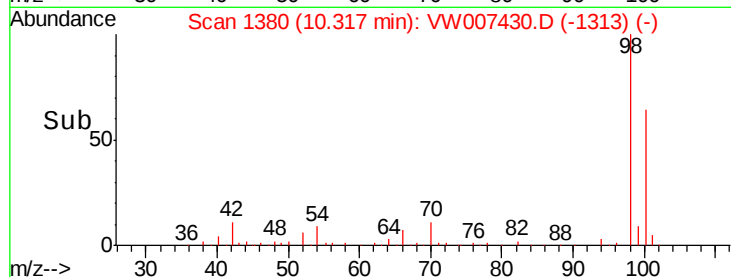
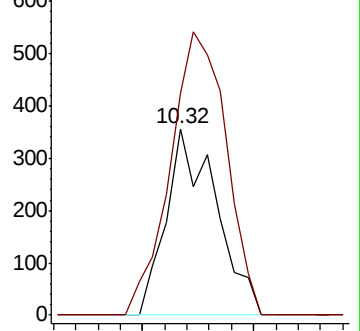
43 100

58 170.5 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 1.650 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007430.D

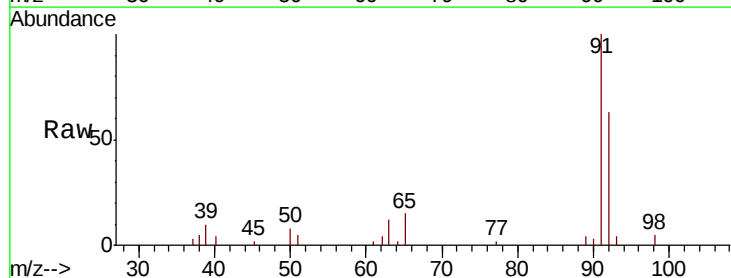
Acq: 12 Dec 2018 08:15

Tgt Ion: 92 Resp: 3756

Ion Ratio Lower Upper

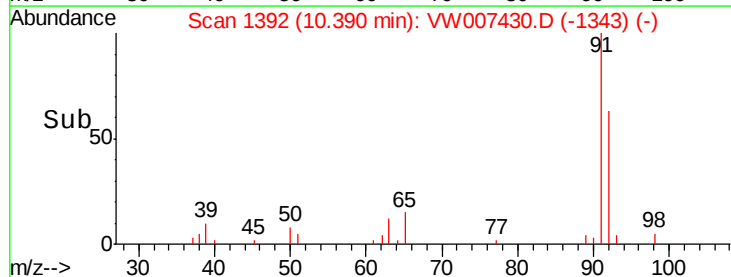
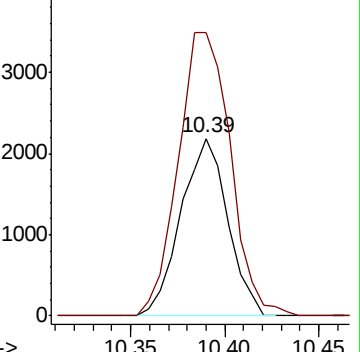
92 100

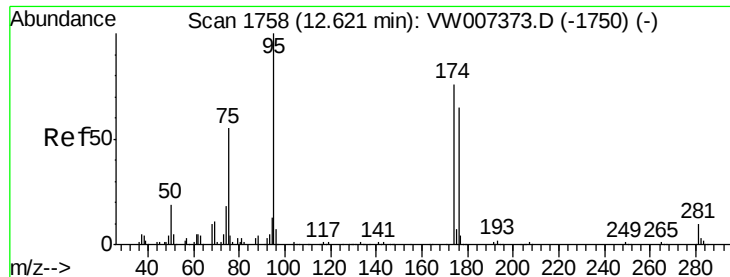
91 178.3 136.2 204.2



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#62

4-Bromofluorobenzene

Concen: 38.099 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007430.D

Acq: 12 Dec 2018 08:15

Instrument :

MSVOA_W

ClientSampleId :

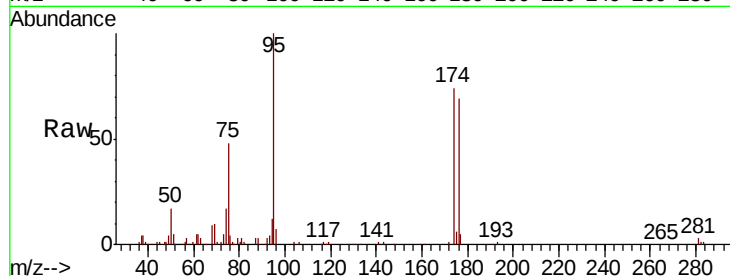
Tot Ion: 95 Resp: 44179

Ion Ratio Lower Upper

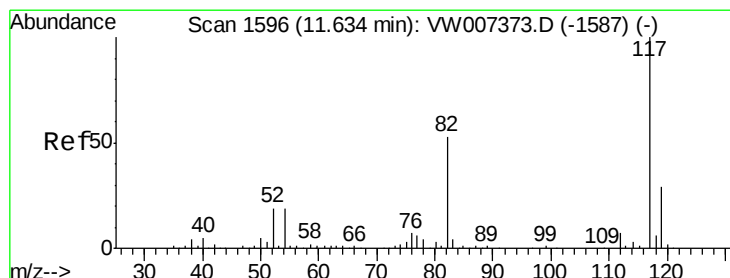
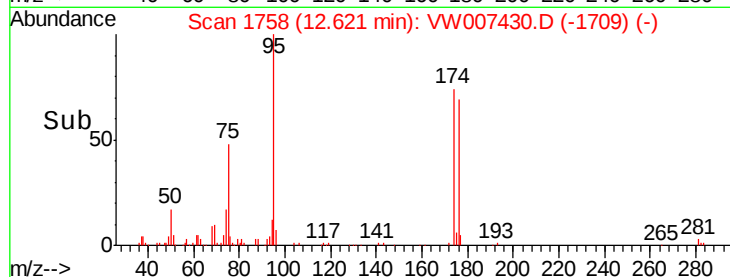
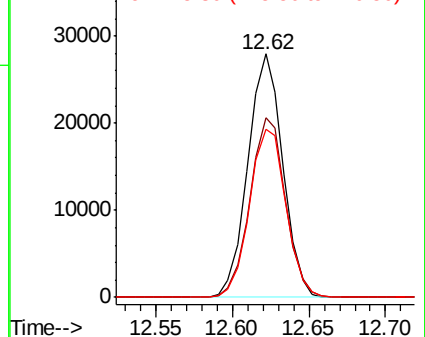
95 100

174 75.5 0.0 147.2

176 72.2 0.0 138.8



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: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW007430.D

Acq: 12 Dec 2018 08:15

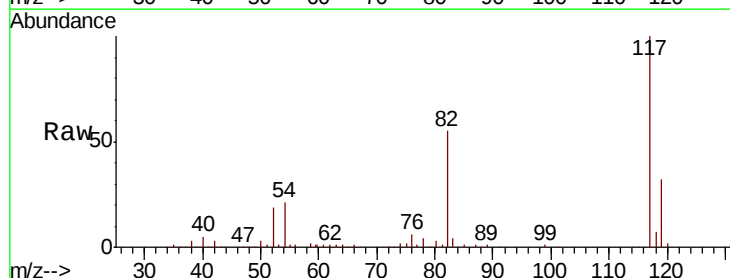
Tgt Ion: 117 Resp: 121072

Ion Ratio Lower Upper

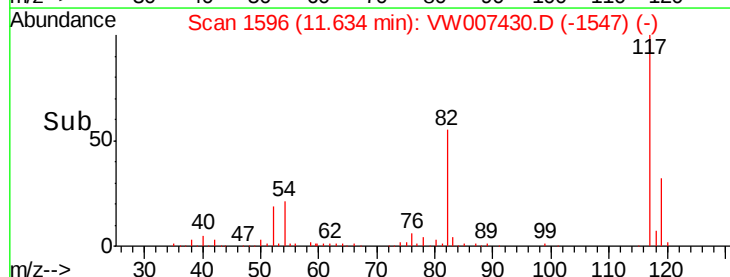
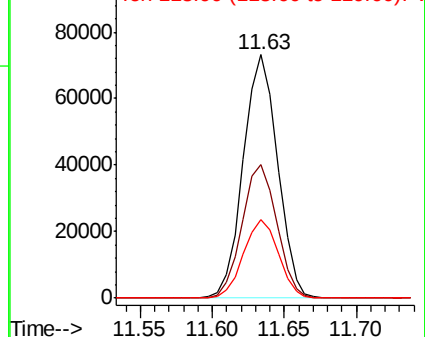
117 100

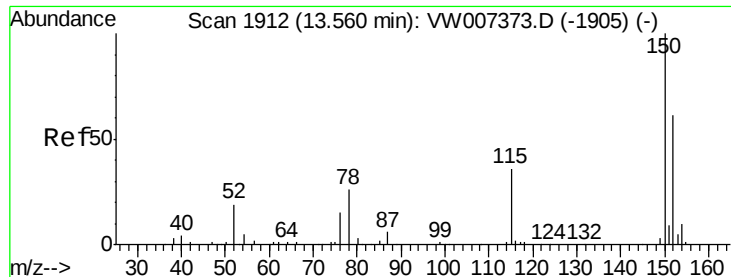
82 54.6 42.3 63.5

119 32.3 23.0 34.6



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: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007430.D

Acq: 12 Dec 2018 08:15

Instrument :

MSVOA_W

ClientSampleId :

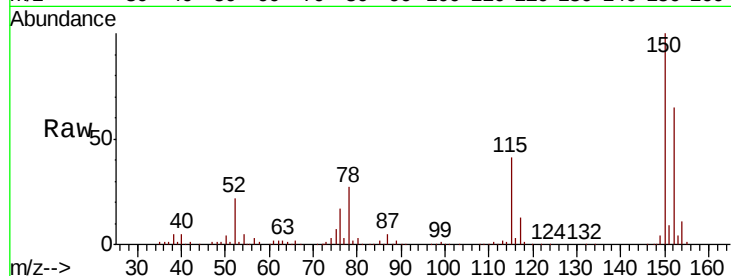
Tot Ion:152 Resp: 53484

Ion Ratio Lower Upper

152 100

115 60.9 31.4 94.2

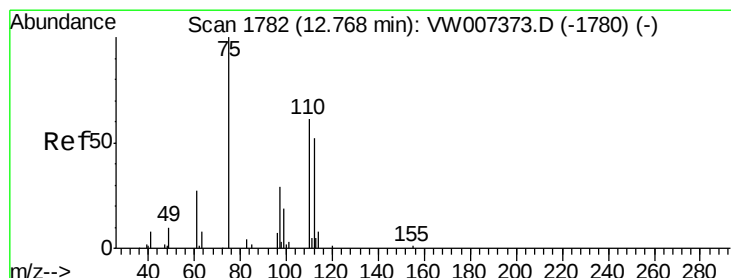
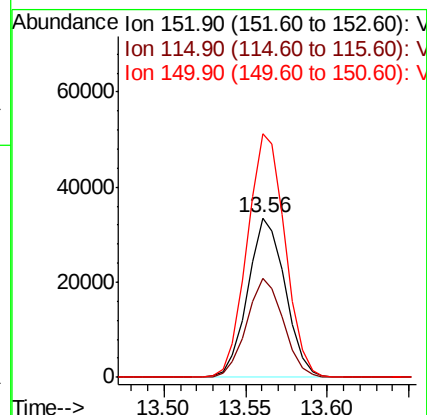
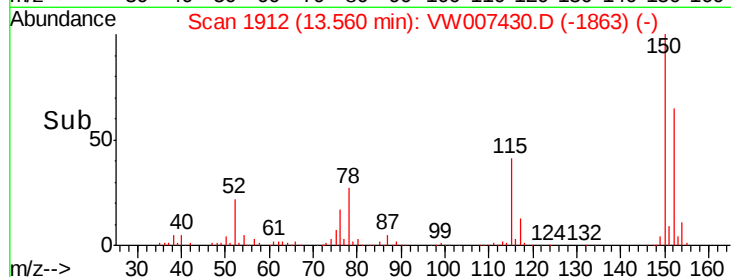
150 154.7 0.0 358.4



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



#76

1,2,3-Trichloropropane

Concen: 50.840 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007430.D

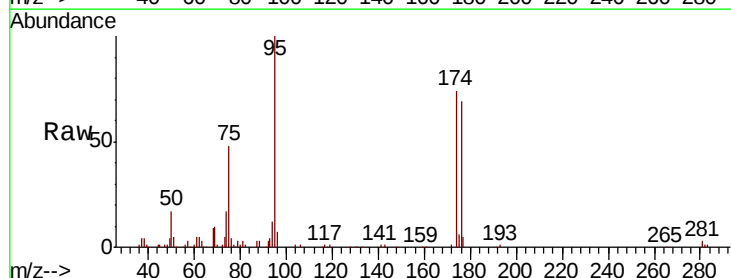
Acq: 12 Dec 2018 08:15

Tgt Ion: 75 Resp: 22420

Ion Ratio Lower Upper

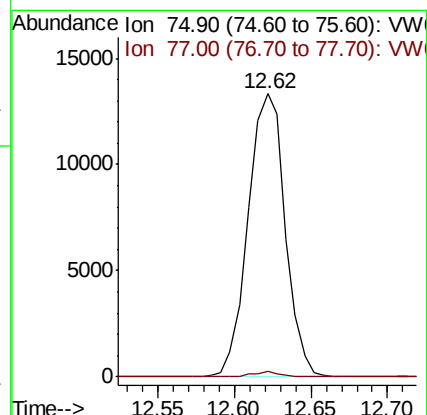
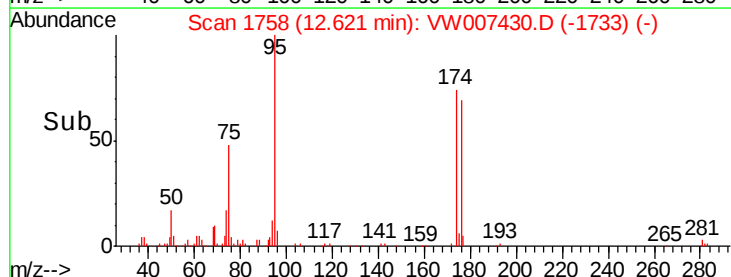
75 100

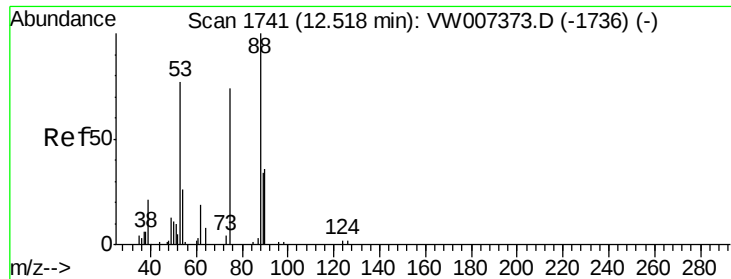
77 1.2 166.9 500.8#



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: 112.306 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007430.D

Acq: 12 Dec 2018 08:15

Instrument :

MSVOA_W

ClientSampleId :

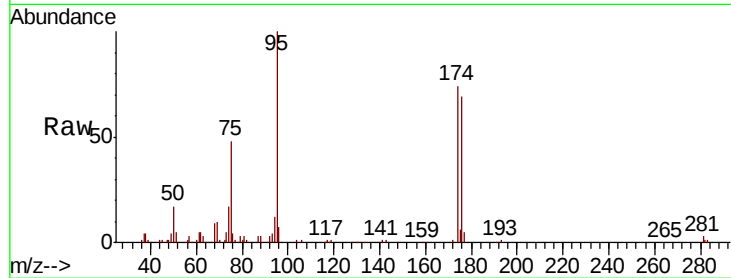
Tot Ion: 75 Resp: 22420

Ion Ratio Lower Upper

75 100

53 0.0 84.9 127.3#

89 0.0 40.3 60.5#



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

