

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092218\
 Data File : VW005571.D
 Acq On : 21 Sep 2018 19:58
 Operator : VA/AP
 Sample : J4777-13
 Misc : 5.52G/5ML/MSVOA_W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PL-02-0920-18-B

Quant Time: Sep 21 23:16:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	138841	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	222533	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	176001	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	57429	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	86571	52.93	ug/l	0.00
Spiked Amount			Recovery	=	105.86%	
35) Dibromofluoromethane	7.89	113	67160	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	
50) Toluene-d8	10.33	98	207242	36.37	ug/l	0.00
Spiked Amount			Recovery	=	72.74%	
62) 4-Bromofluorobenzene	12.63	95	54145	25.68	ug/l	0.00
Spiked Amount			Recovery	=	51.36%	

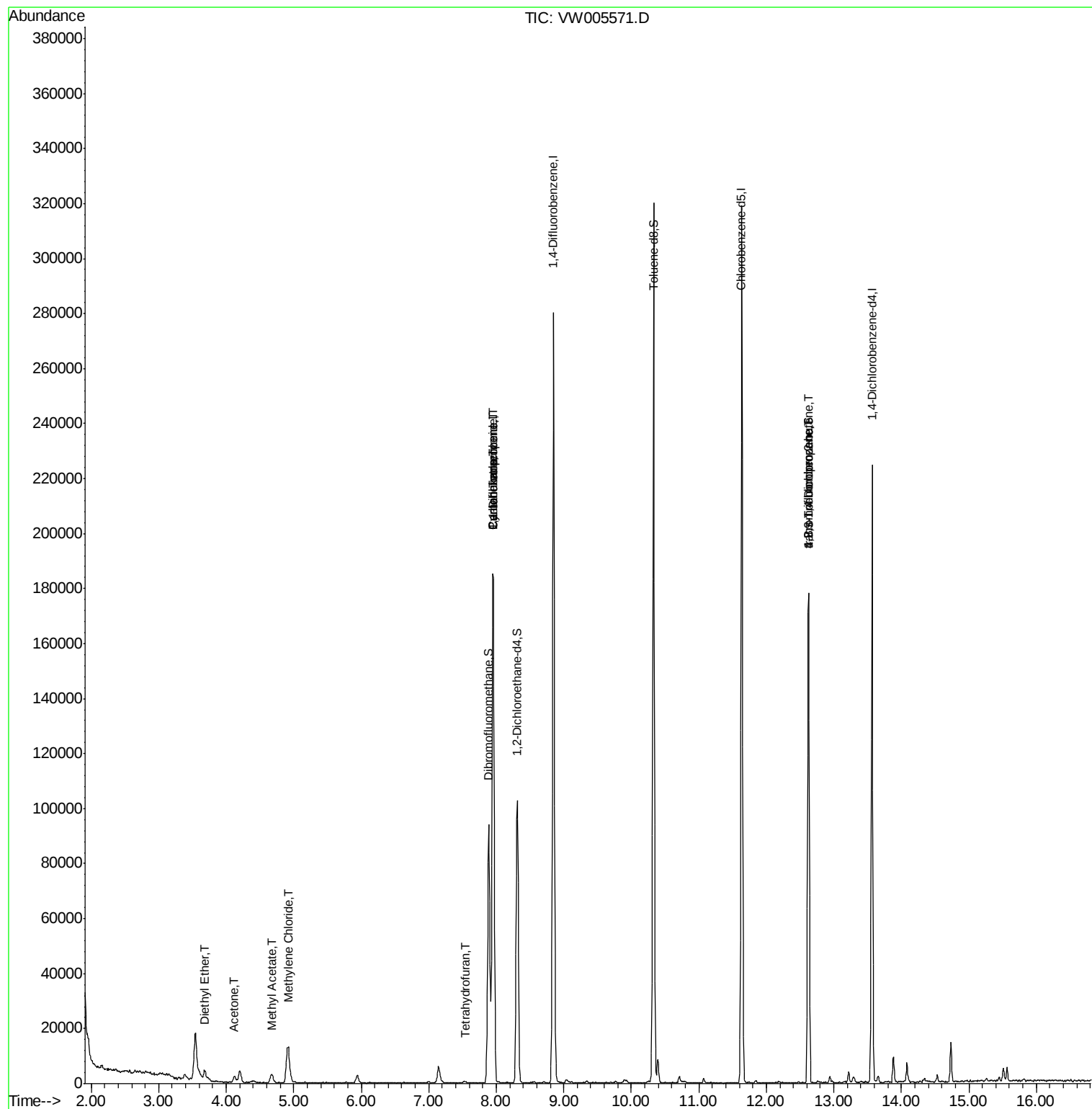
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	1658	2.433	ug/l	57
11) Tert butyl alcohol	5.17	59	126	Below Cal	#	72
13) Acrolein	3.61	56	23	Below Cal	#	13
16) Acetone	4.12	43	4601	8.788	ug/l #	88
18) Methyl Acetate	4.67	43	6080	7.843	ug/l	94
20) Methylene Chloride	4.92	84	10953	4.052	ug/l	97
29) Tetrahydrofuran	7.55	42	361	1.455	ug/l #	46
31) Cyclohexane	7.95	56	3288	1.297	ug/l #	7
36) 1,1-Dichloropropene	7.95	75	10782	4.813	ug/l #	51
38) Carbon Tetrachloride	7.95	117	13806	5.751	ug/l #	15
76) 1,2,3-Trichloropropane	12.63	75	28659	58.542	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	28659	131.855	ug/l #	7

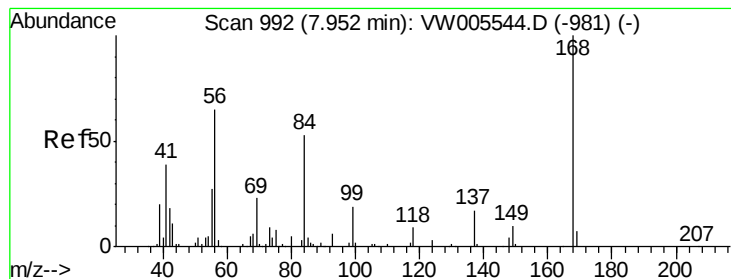
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW005571.D

Acq: 21 Sep 2018 19:58

Instrument :

MSVOA_W

ClientSampleId :

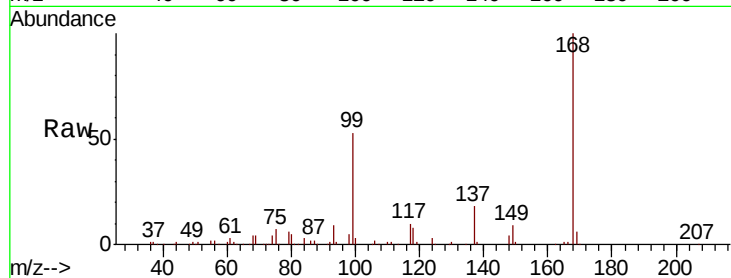
PL-02-0920-18-B

Tgt Ion:168 Resp: 138841

Ion Ratio Lower Upper

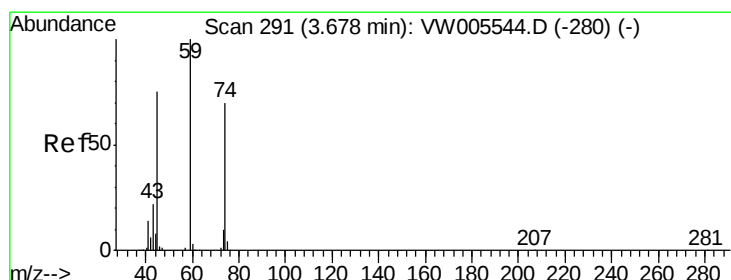
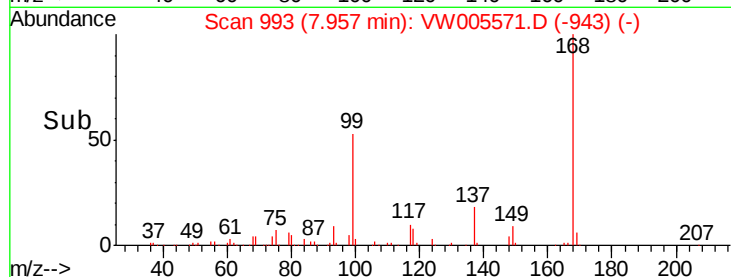
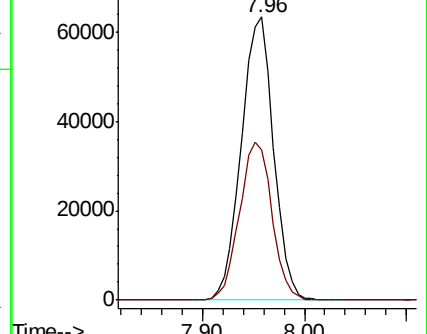
168 100

99 52.9 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 2.433 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW005571.D

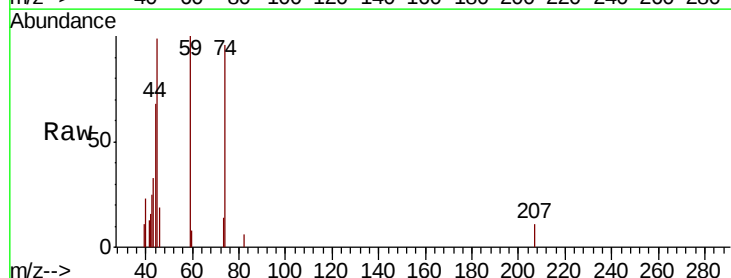
Acq: 21 Sep 2018 19:58

Tgt Ion: 74 Resp: 1658

Ion Ratio Lower Upper

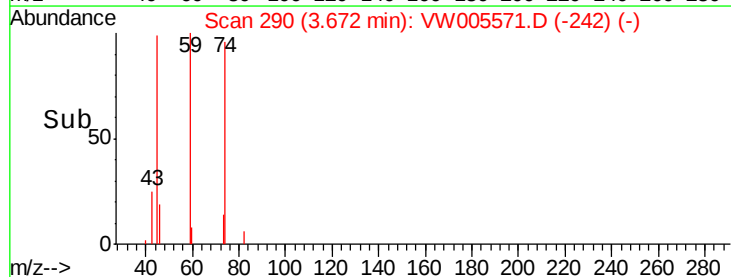
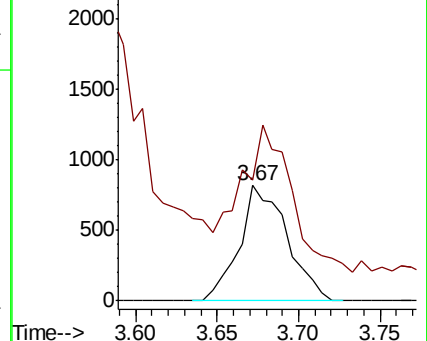
74 100

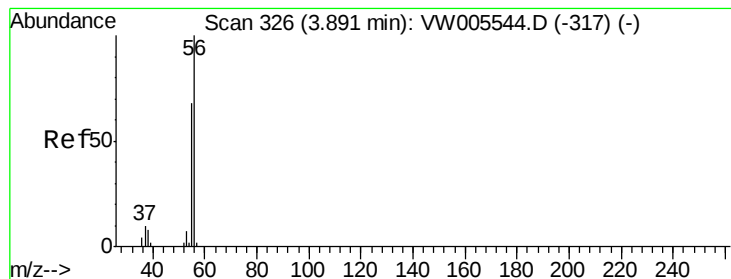
45 147.5 51.7 155.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#13

Acrolein

Concen: Below Cal

RT: 3.61 min Scan# 280

Delta R.T. -0.28 min

Lab File: VW005571.D

Acq: 21 Sep 2018 19:58

Instrument :

MSVOA_W

ClientSampled :

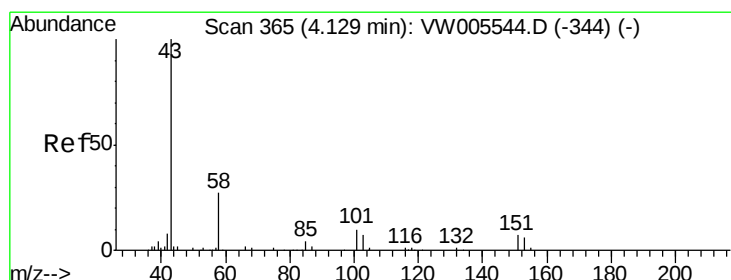
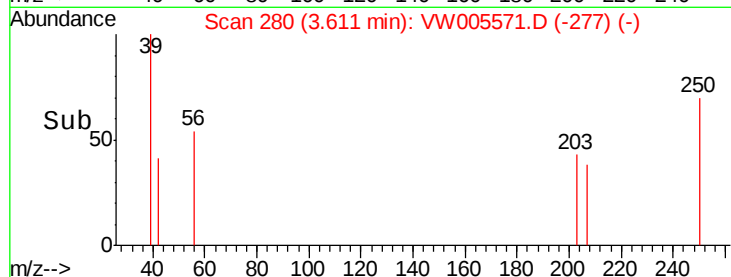
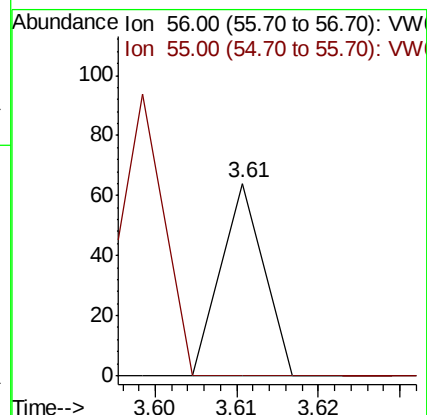
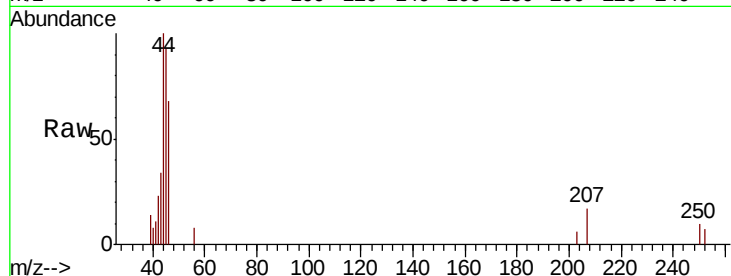
PL-02-0920-18-B

Tgt Ion: 56 Resp: 23

Ion Ratio Lower Upper

56 100

55 0.0 57.8 86.8#



#16

Acetone

Concen: 8.788 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW005571.D

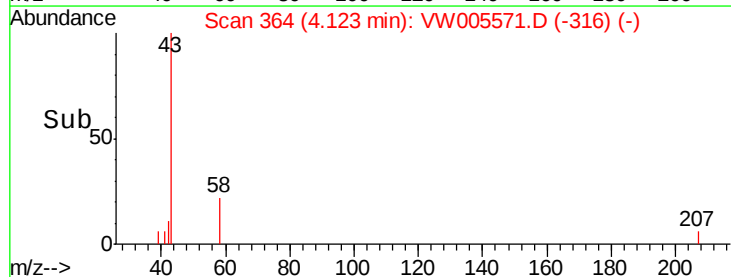
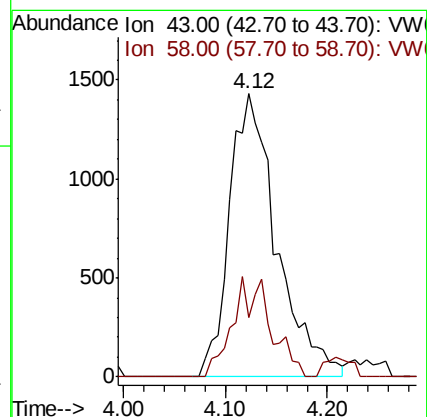
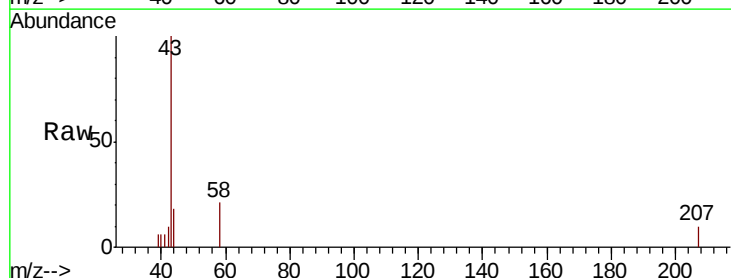
Acq: 21 Sep 2018 19:58

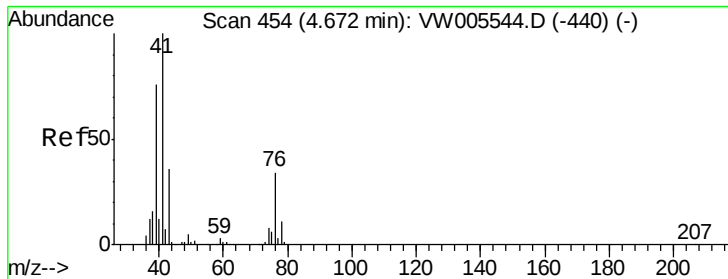
Tgt Ion: 43 Resp: 4601

Ion Ratio Lower Upper

43 100

58 20.8 21.8 32.8#

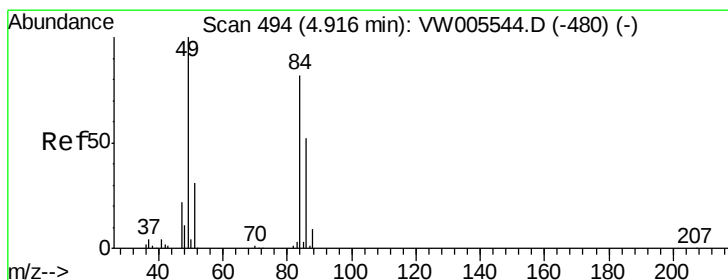
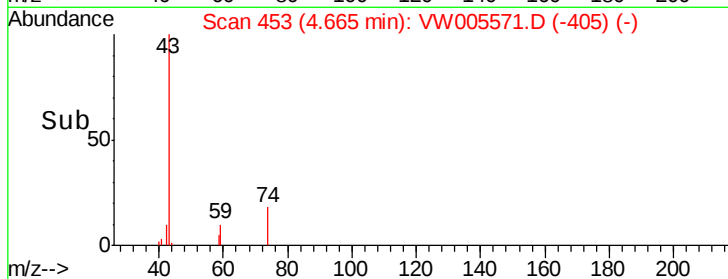
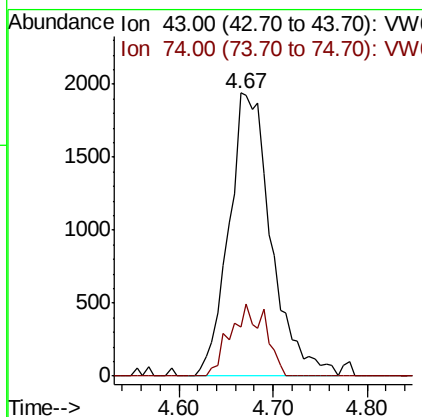
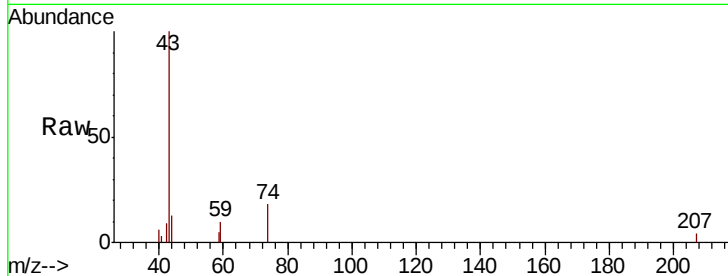




#18
Methyl Acetate
Concen: 7.843 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW005571.D
Acq: 21 Sep 2018 19:58

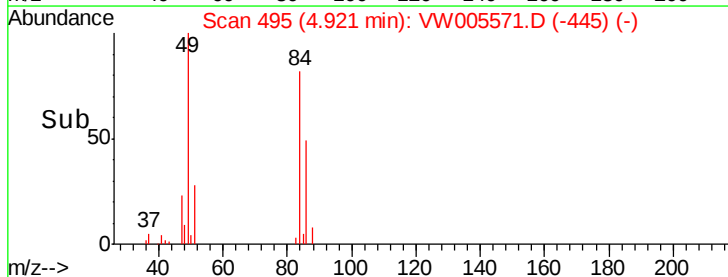
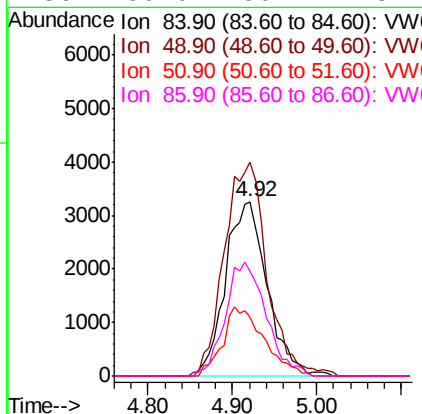
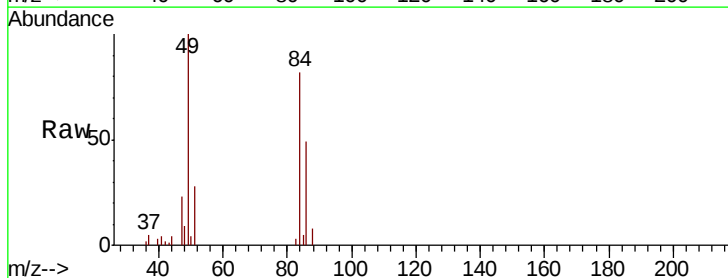
Instrument :
MSVOA_W
ClientSampleId :
PL-02-0920-18-B

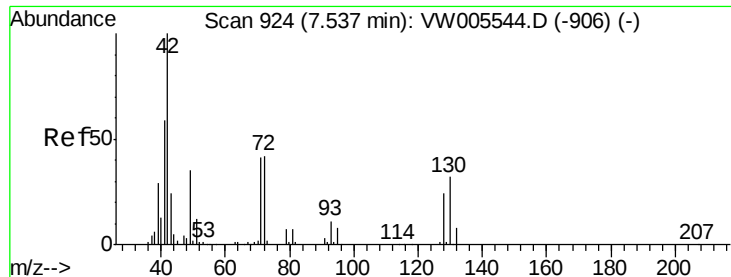
Tgt Ion: 43 Resp: 6080
Ion Ratio Lower Upper
43 100
74 21.1 19.2 28.8



#20
Methylene Chloride
Concen: 4.052 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW005571.D
Acq: 21 Sep 2018 19:58

Tgt Ion: 84 Resp: 10953
Ion Ratio Lower Upper
84 100
49 122.4 97.0 145.6
51 33.8 30.2 45.2
86 60.0 50.2 75.4





#29

Tetrahydrofuran

Concen: 1.455 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.01 min

Lab File: VW005571.D

Acq: 21 Sep 2018 19:58

Instrument :

MSVOA_W

ClientSampleId :

PL-02-0920-18-B

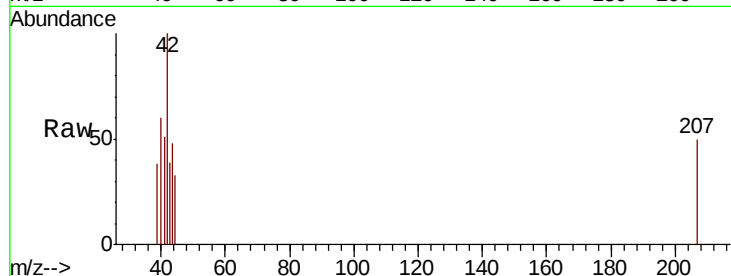
Tgt Ion: 42 Resp: 361

Ion Ratio Lower Upper

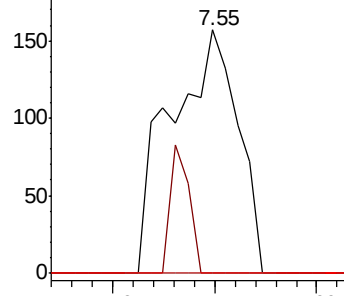
42 100

72 14.4 33.6 50.4#

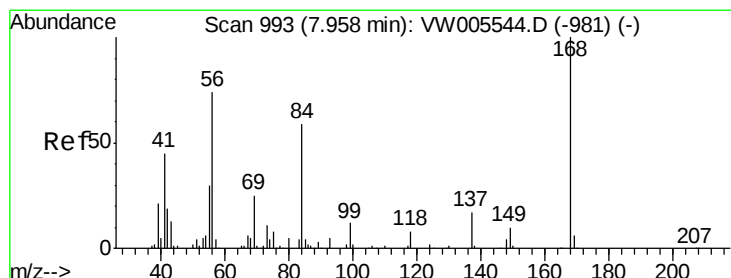
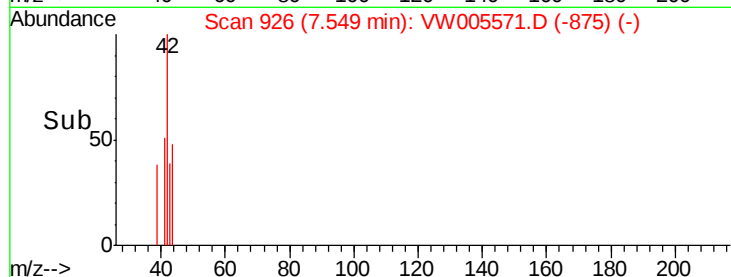
71 0.0 31.8 47.6#



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



Time-->



#31

Cyclohexane

Concen: 1.297 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005571.D

Acq: 21 Sep 2018 19:58

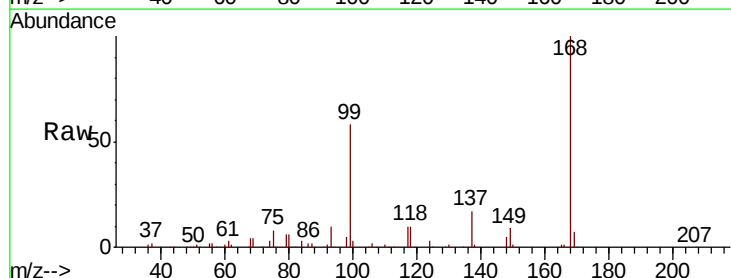
Tgt Ion: 56 Resp: 3288

Ion Ratio Lower Upper

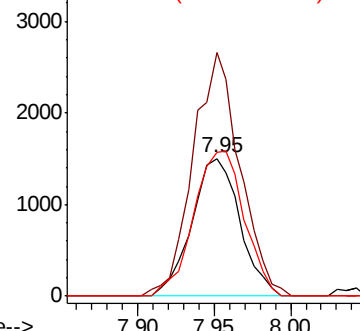
56 100

69 176.6 27.0 40.4#

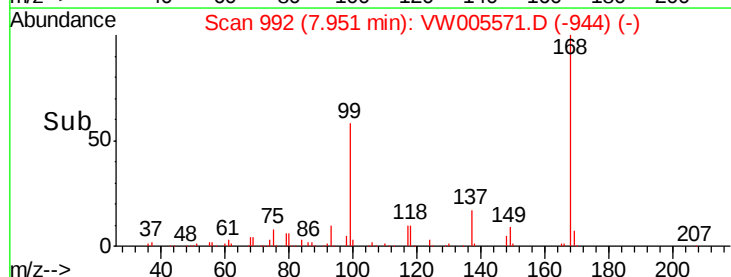
84 103.9 64.2 96.4#

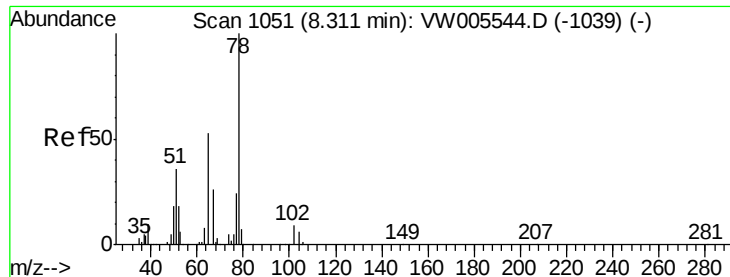


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



Time-->

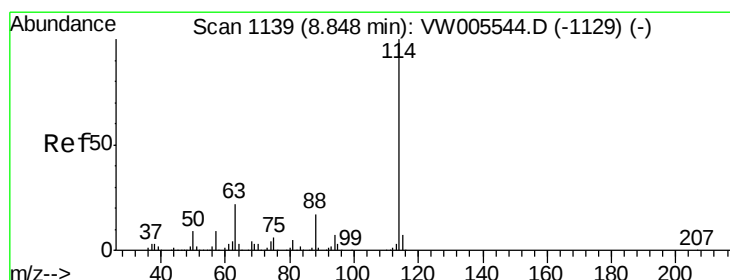
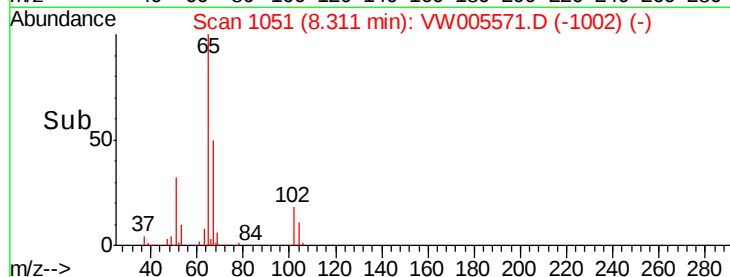
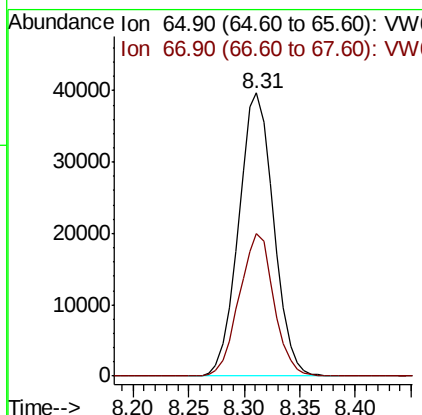
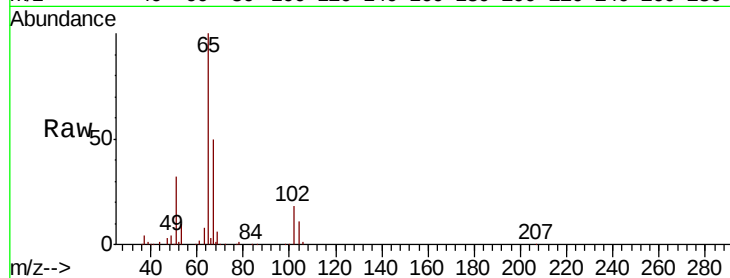




#33
 1,2-Dichloroethane-d4
 Concen: 52.928 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005571.D
 Acq: 21 Sep 2018 19:58

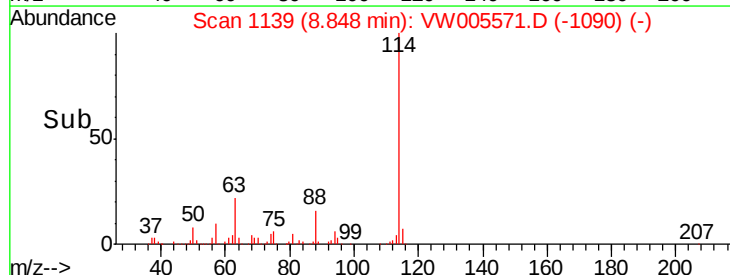
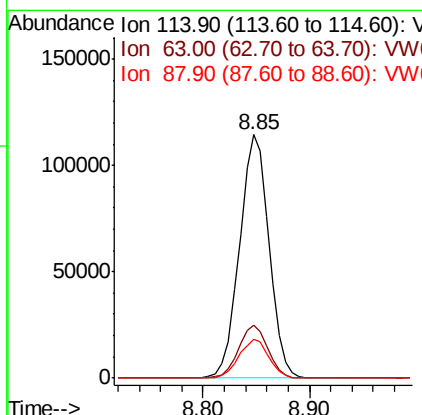
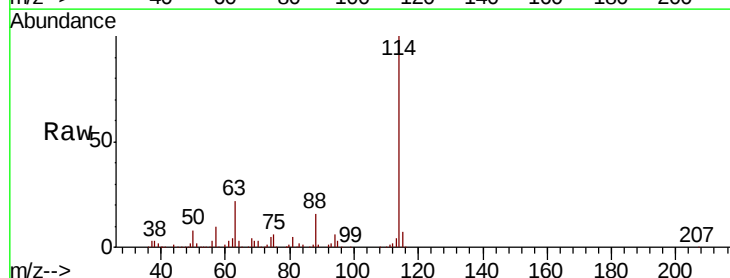
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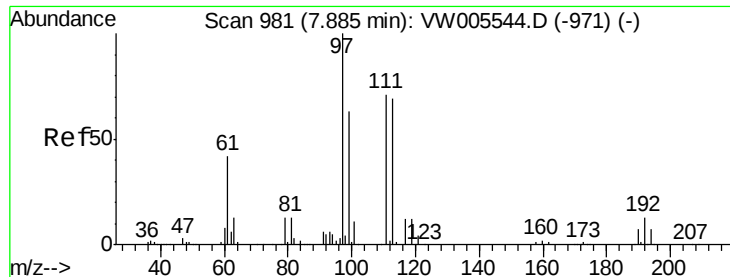
Tgt Ion: 65 Resp: 86571
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005571.D
 Acq: 21 Sep 2018 19:58

Tgt Ion: 114 Resp: 222533
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.0
 88 15.9 0.0 33.0

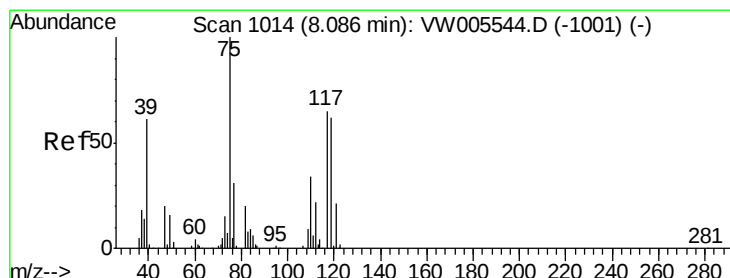
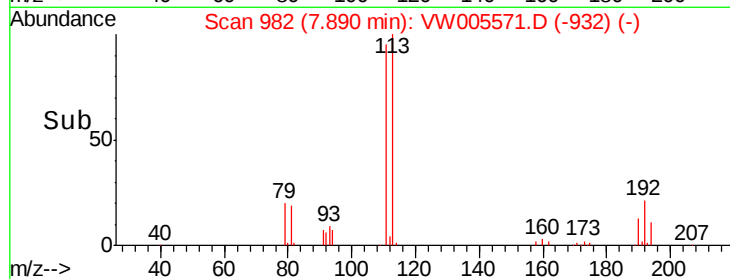
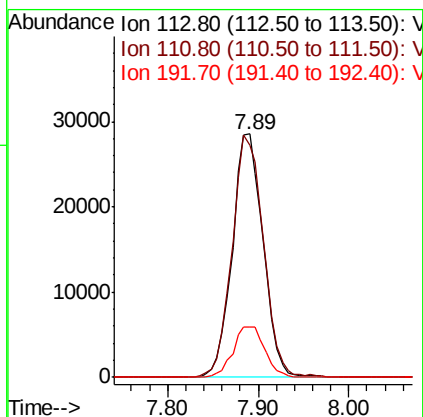
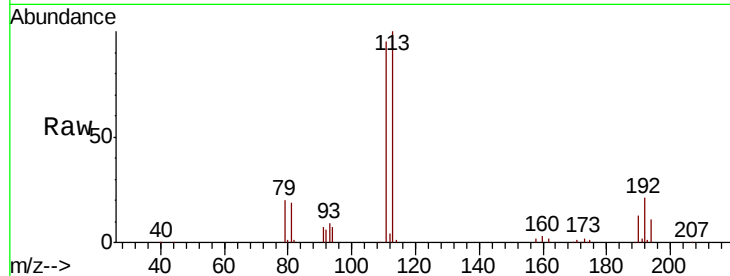




#35
 Dibromofluoromethane
 Concen: 47.991 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW005571.D
 Acq: 21 Sep 2018 19:58

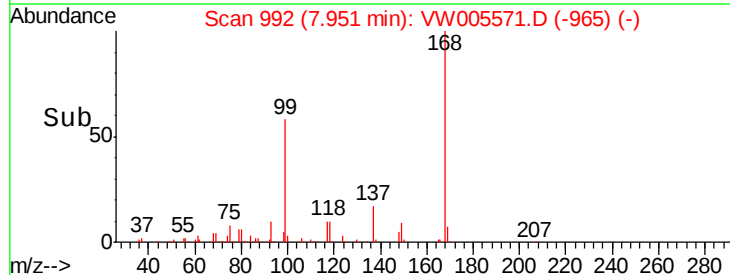
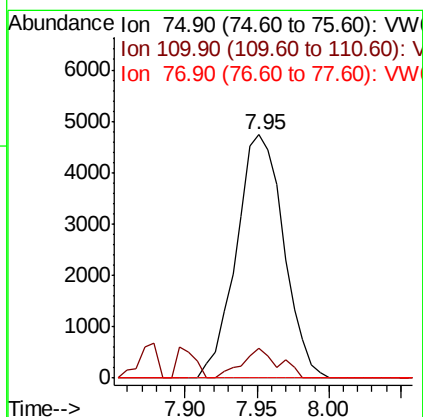
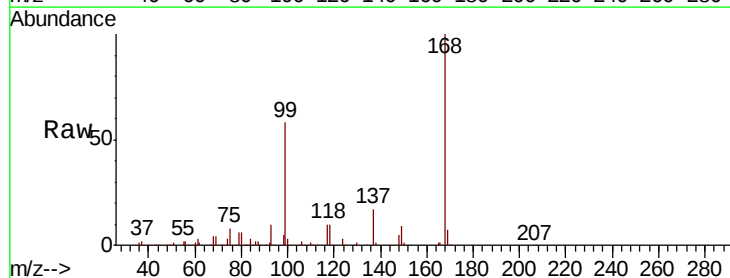
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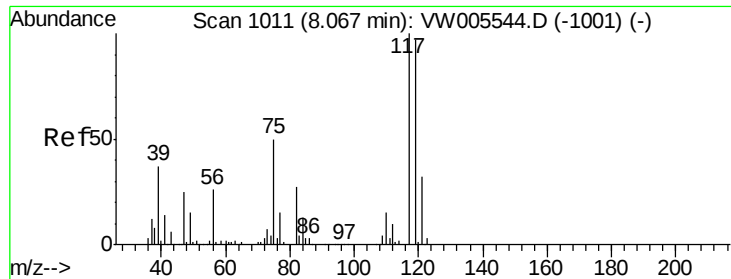
Tgt Ion: 113 Resp: 67160
 Ion Ratio Lower Upper
 113 100
 111 101.4 82.6 123.8
 192 21.5 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 4.813 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW005571.D
 Acq: 21 Sep 2018 19:58

Tgt Ion: 75 Resp: 10782
 Ion Ratio Lower Upper
 75 100
 110 9.4 17.0 50.9#
 77 0.0 24.8 37.2#

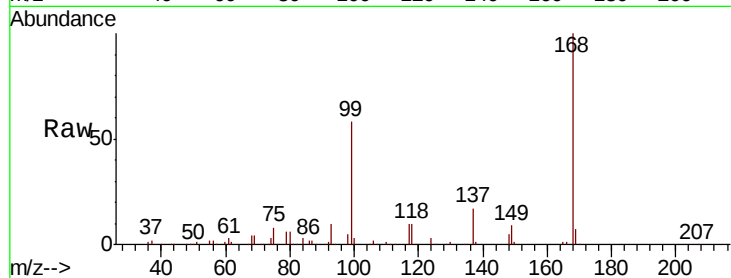




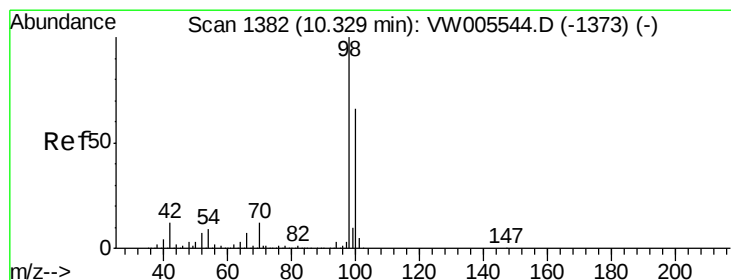
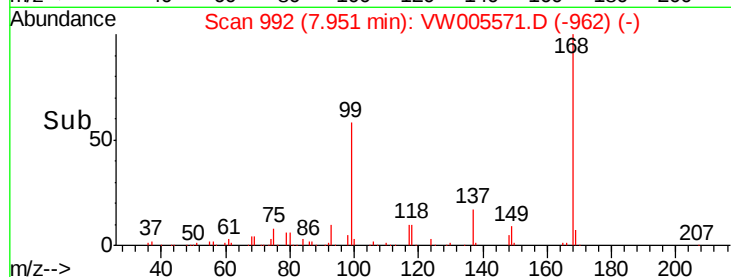
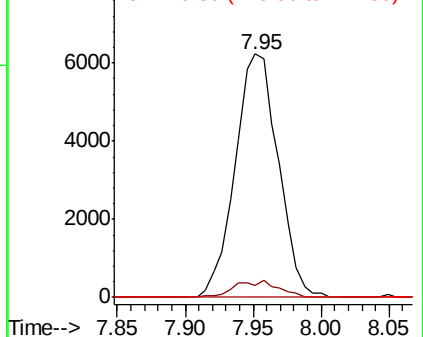
#38
Carbon Tetrachloride
Concen: 5.751 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW005571.D
Acq: 21 Sep 2018 19:58

Instrument :
MSVOA_W
ClientSampleId :
PL-02-0920-18-B

Tgt Ion:117 Resp: 13806
Ion Ratio Lower Upper
117 100
119 4.9 77.6 116.4#
121 0.0 25.7 38.5#

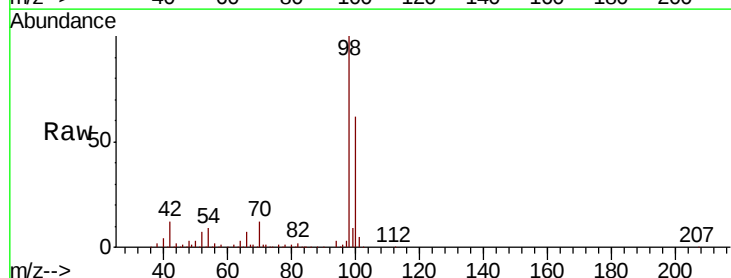


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

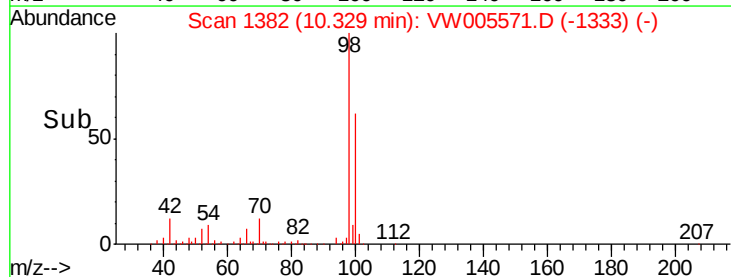
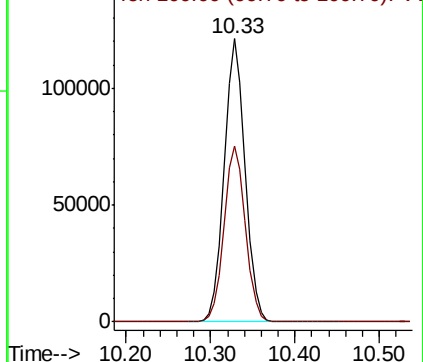


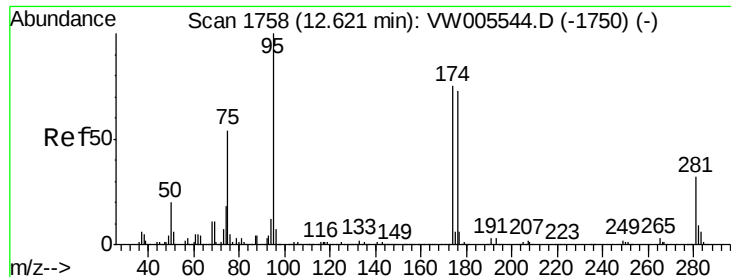
#50
Toluene-d8
Concen: 36.370 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW005571.D
Acq: 21 Sep 2018 19:58

Tgt Ion: 98 Resp: 207242
Ion Ratio Lower Upper
98 100
100 63.0 51.6 77.4



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





#62

4-Bromofluorobenzene

Concen: 25.680 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW005571.D

Acq: 21 Sep 2018 19:58

Instrument :

MSVOA_W

ClientSampleId :

PL-02-0920-18-B

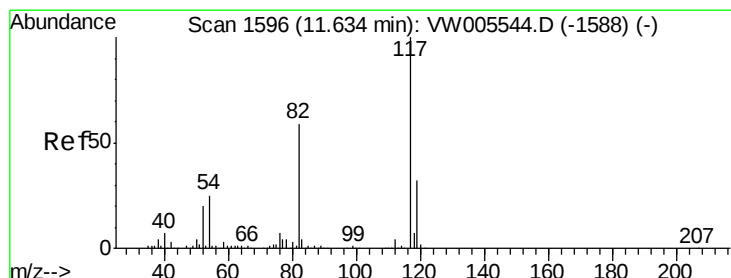
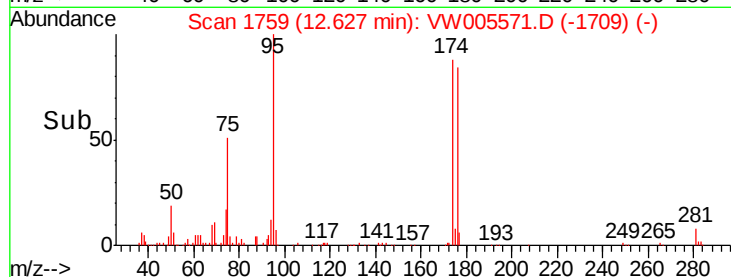
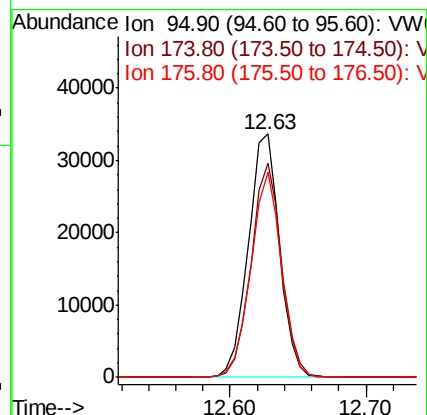
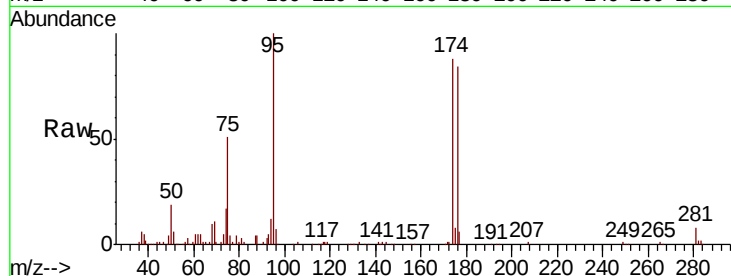
Tgt Ion: 95 Resp: 54145

Ion Ratio Lower Upper

95 100

174 86.3 0.0 163.8

176 82.6 0.0 158.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW005571.D

Acq: 21 Sep 2018 19:58

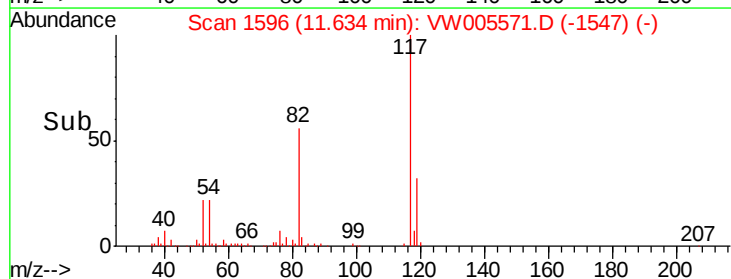
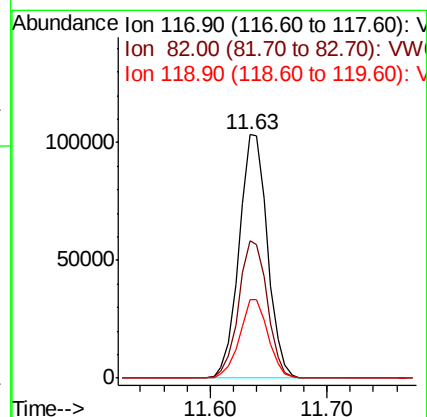
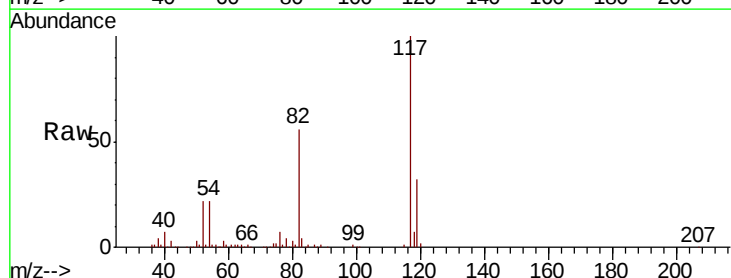
Tgt Ion: 117 Resp: 176001

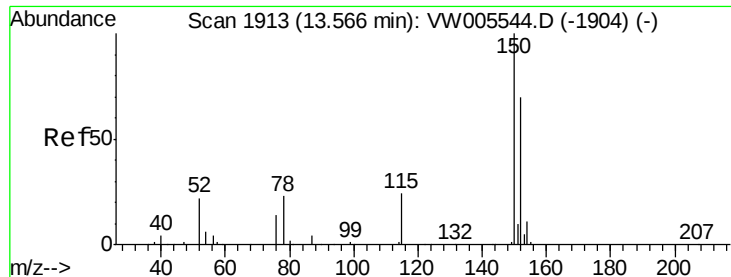
Ion Ratio Lower Upper

117 100

82 56.5 46.9 70.3

119 32.3 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005571.D

Acq: 21 Sep 2018 19:58

Instrument :

MSVOA_W

ClientSampleId :

PL-02-0920-18-B

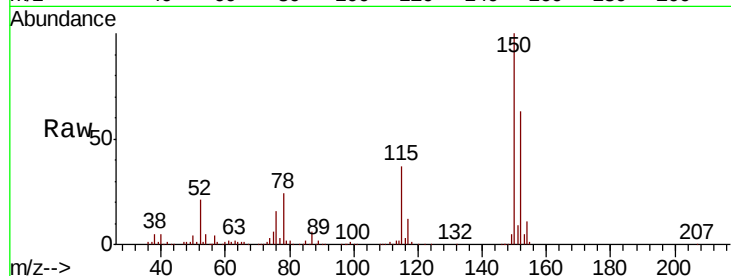
Tgt Ion:152 Resp: 57429

Ion Ratio Lower Upper

152 100

115 58.2 30.0 90.0

150 160.2 0.0 348.6

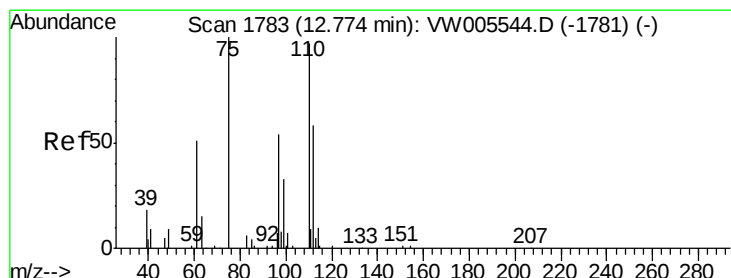
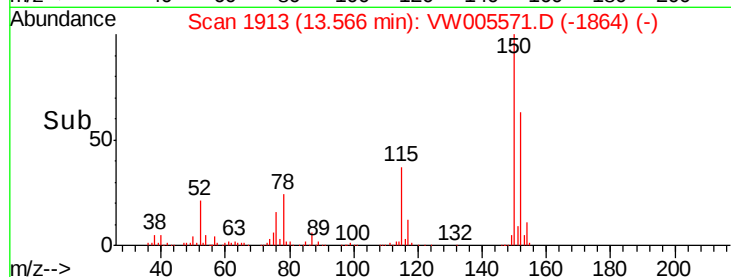
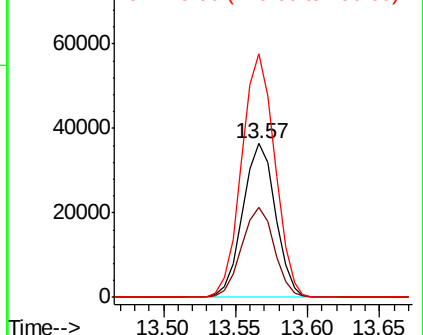


Abundance

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: 58.542 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. -0.15 min

Lab File: VW005571.D

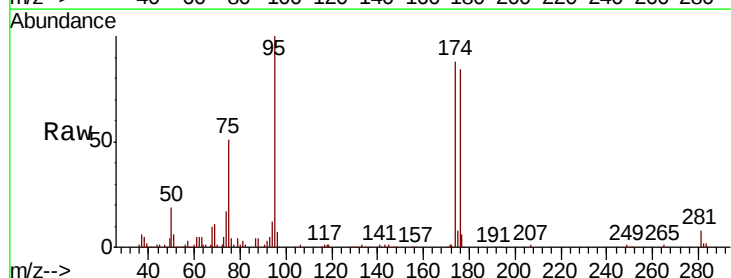
Acq: 21 Sep 2018 19:58

Tgt Ion: 75 Resp: 28659

Ion Ratio Lower Upper

75 100

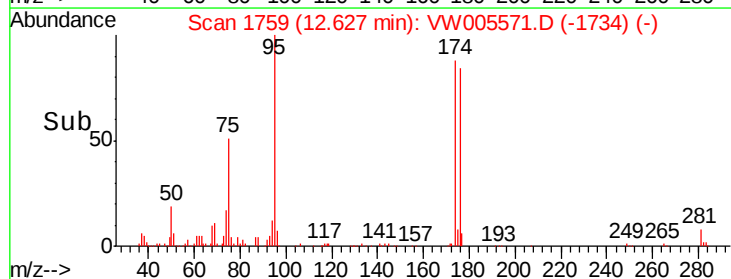
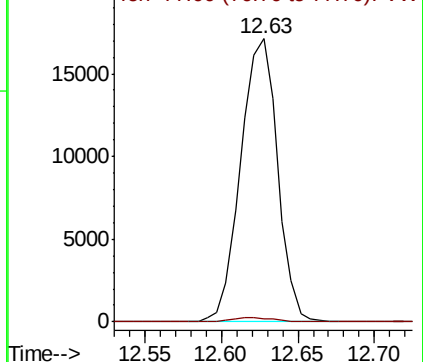
77 1.6 0.0 0.0#

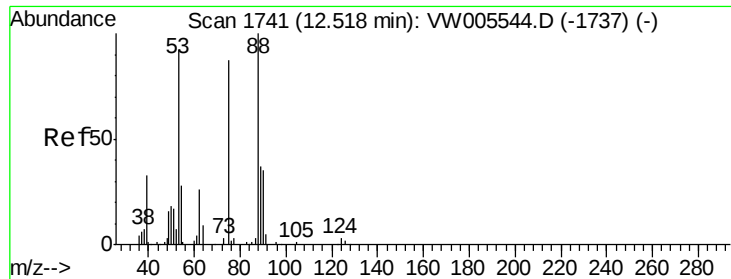


Abundance

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: 131.855 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.11 min

Lab File: VW005571.D

Acq: 21 Sep 2018 19:58

Instrument :

MSVOA_W

ClientSampleId :

PL-02-0920-18-B

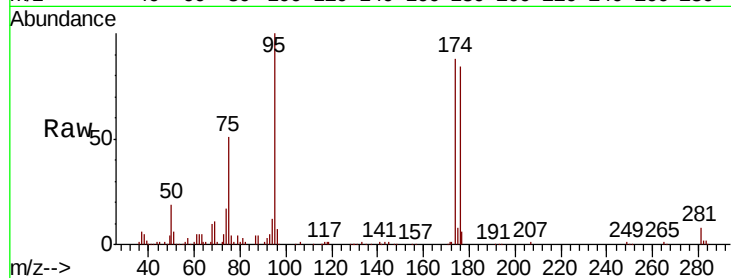
Tgt Ion: 75 Resp: 28659

Ion Ratio Lower Upper

75 100

53 0.2 85.8 128.6#

89 0.0 37.3 55.9#



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

