

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121118\
 Data File : VW007385.D
 Acq On : 11 Dec 2018 06:08
 Operator : SY/AP
 Sample : J6331-25
 Misc : 4.8G/5ML/MSVOA_W/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-5

Quant Time: Dec 11 07:04:44 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	96855	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	168969	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	152992	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	68342	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	47535	44.24	ug/l	0.00
Spiked Amount			Recovery	=	88.48%	
35) Dibromofluoromethane	7.88	113	44764	43.76	ug/l	0.00
Spiked Amount			Recovery	=	87.52%	
50) Toluene-d8	10.32	98	158858	41.42	ug/l	0.00
Spiked Amount			Recovery	=	82.84%	
62) 4-Bromofluorobenzene	12.62	95	61309	43.48	ug/l	0.00
Spiked Amount			Recovery	=	86.96%	

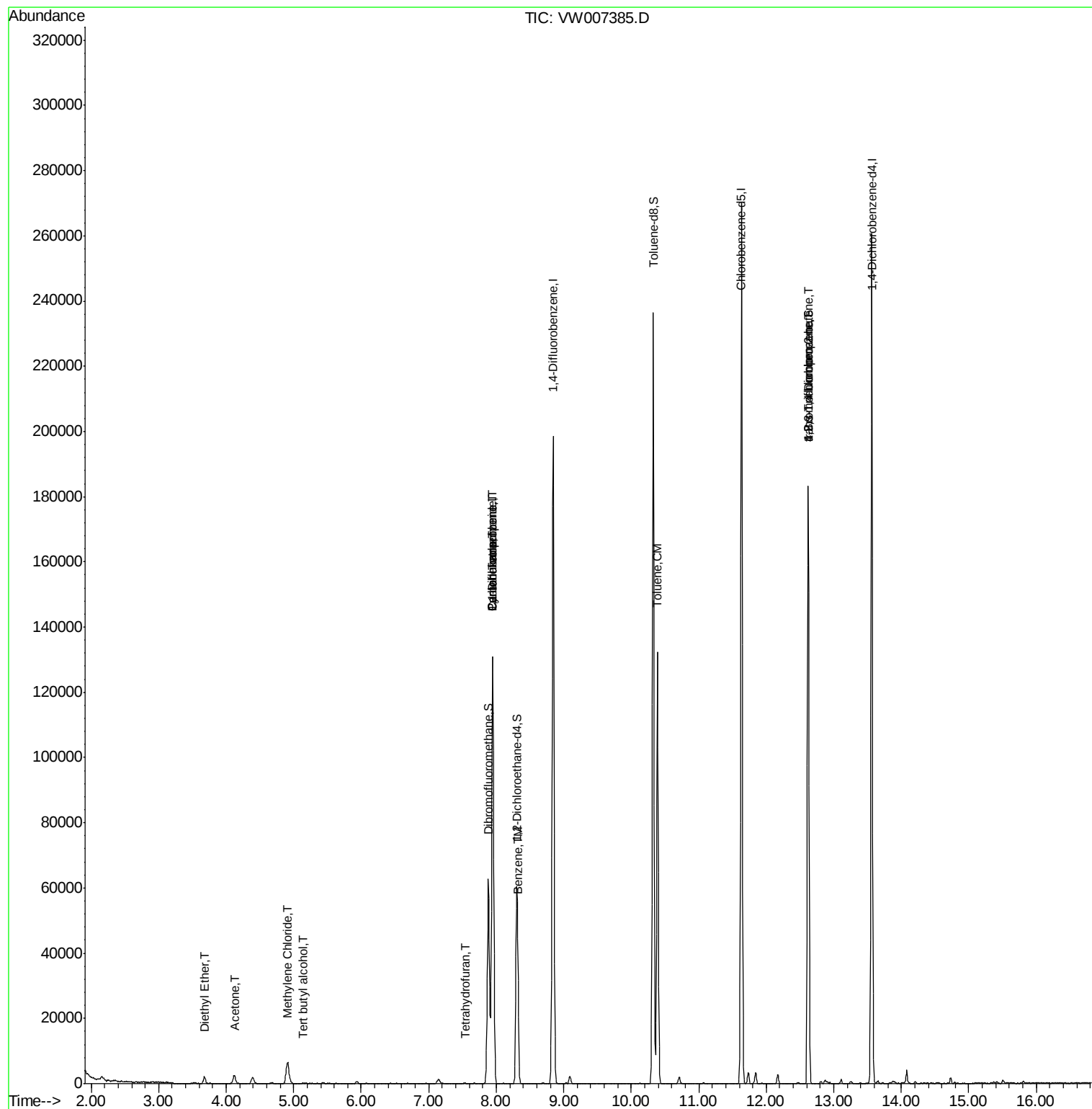
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1132	2.418	ug/l	93
11) Tert butyl alcohol	5.14	59	125	1.694	ug/l #	74
16) Acetone	4.12	43	4642	24.732	ug/l	92
20) Methylene Chloride	4.91	84	5397	1.454	ug/l	96
29) Tetrahydrofuran	7.54	42	188	1.212	ug/l #	30
31) Cyclohexane	7.95	56	2101	1.259	ug/l #	32
36) 1,1-Dichloropropene	7.95	75	7681	4.983	ug/l #	48
38) Carbon Tetrachloride	7.95	117	10209	6.087	ug/l #	18
40) Benzene	8.32	78	5270	1.232	ug/l	94
52) Toluene	10.39	92	56297	20.337	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	30496	54.119	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	30496	119.549	ug/l #	7

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007385.D

Acq: 11 Dec 2018 06:08

Instrument :

MSVOA_W

ClientSampleId :

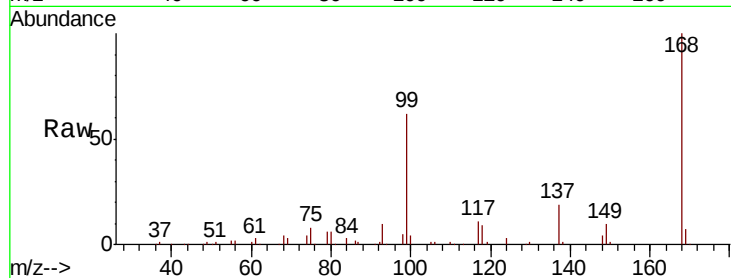
TP-5

Tgt Ion: 168 Resp: 96855

Ion Ratio Lower Upper

168 100

99 61.7 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

40000

30000

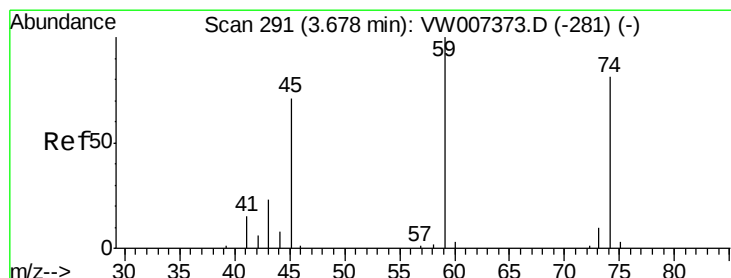
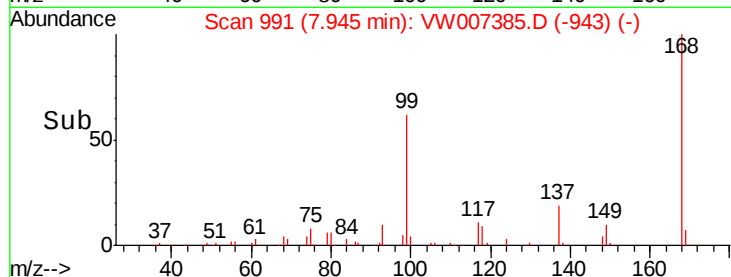
20000

10000

0

7.90 8.00

Time-->



#8

Diethyl Ether

Concen: 2.418 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VW007385.D

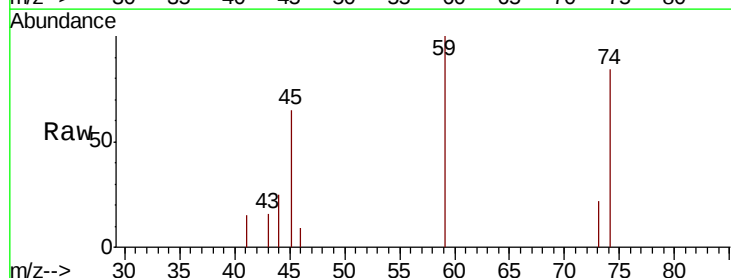
Acq: 11 Dec 2018 06:08

Tgt Ion: 74 Resp: 1132

Ion Ratio Lower Upper

74 100

45 92.0 43.0 129.0



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

600

500

400

300

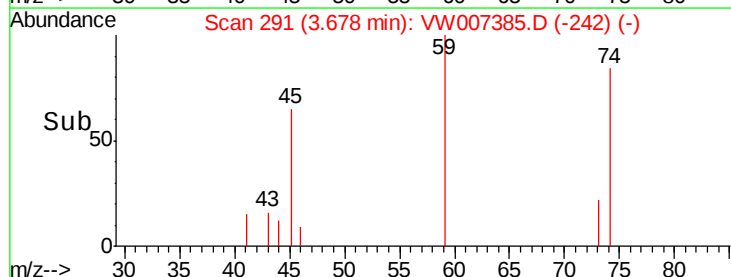
200

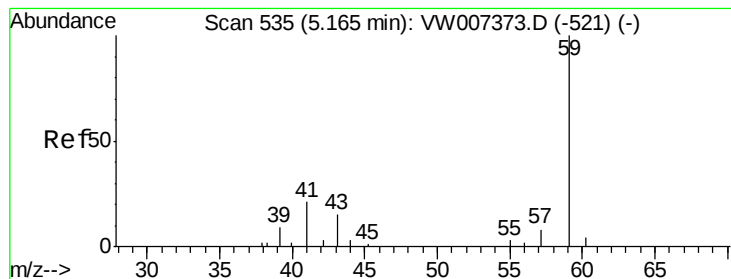
100

0

3.65 3.70

Time-->





#11

Tert butyl alcohol

Concen: 1.694 ug/l

RT: 5.14 min Scan# 531

Delta R.T. -0.02 min

Lab File: VW007385.D

Acq: 11 Dec 2018 06:08

Instrument :

MSVOA_W

ClientSampled :

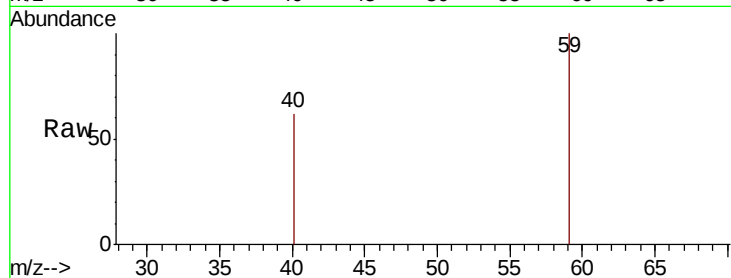
TP-5

Tgt Ion: 59 Resp: 125

Ion Ratio Lower Upper

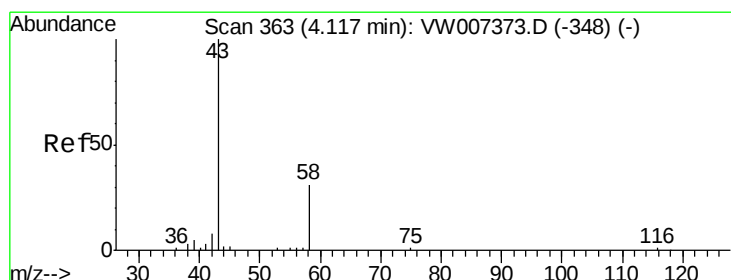
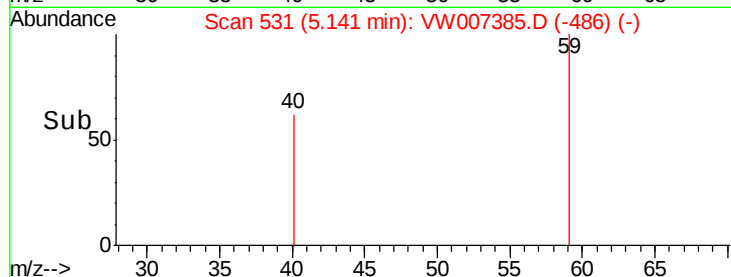
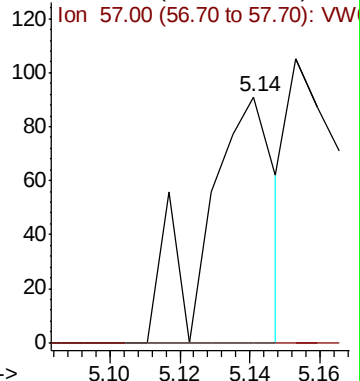
59 100

57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#16

Acetone

Concen: 24.732 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007385.D

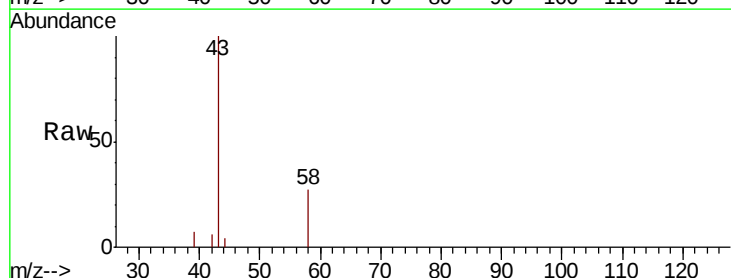
Acq: 11 Dec 2018 06:08

Tgt Ion: 43 Resp: 4642

Ion Ratio Lower Upper

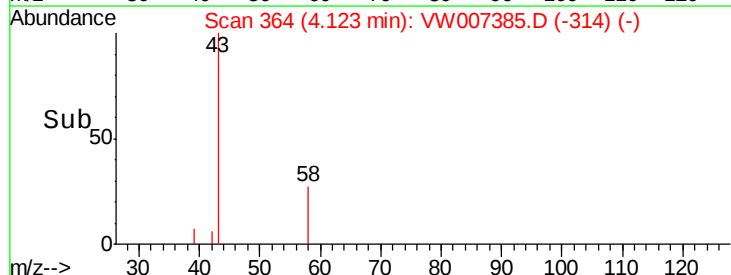
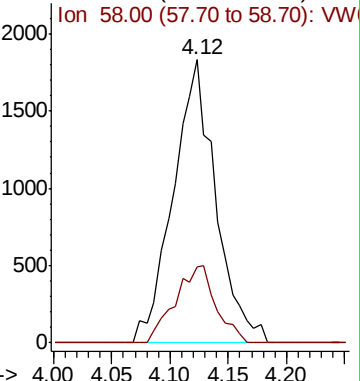
43 100

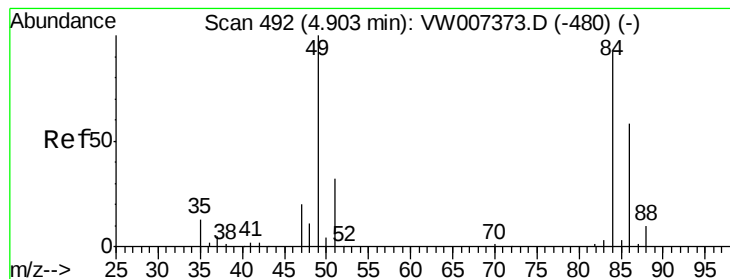
58 26.9 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#20

Methylene Chloride

Concen: 1.454 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.01 min

Lab File: VW007385.D

Acq: 11 Dec 2018 06:08

Instrument :

MSVOA_W

ClientSampleId :

TP-5

Tgt Ion: 84 Resp: 5397

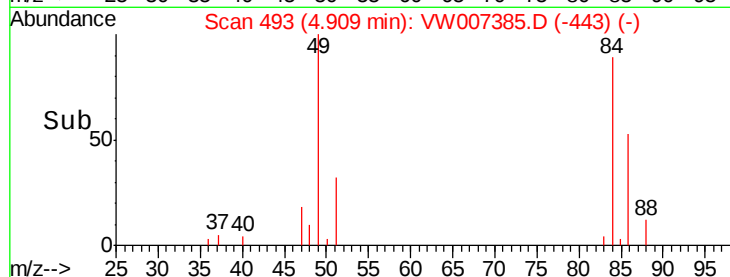
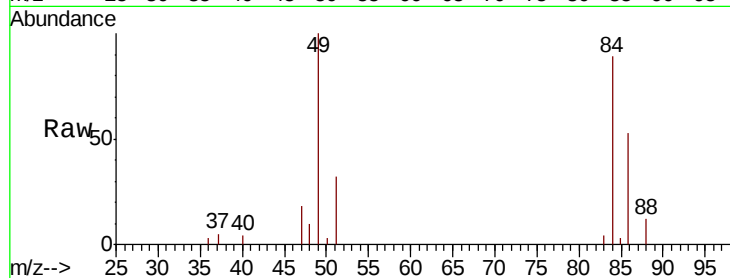
Ion Ratio Lower Upper

84 100

49 112.8 87.1 130.7

51 36.6 28.2 42.2

86 59.7 50.8 76.2

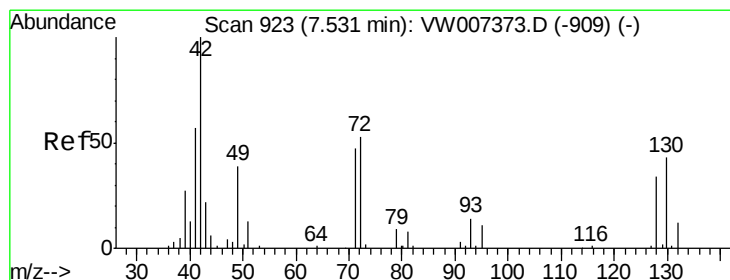
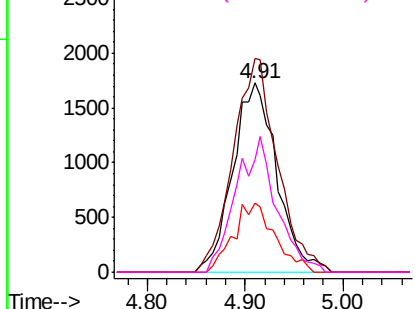


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#29

Tetrahydrofuran

Concen: 1.212 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW007385.D

Acq: 11 Dec 2018 06:08

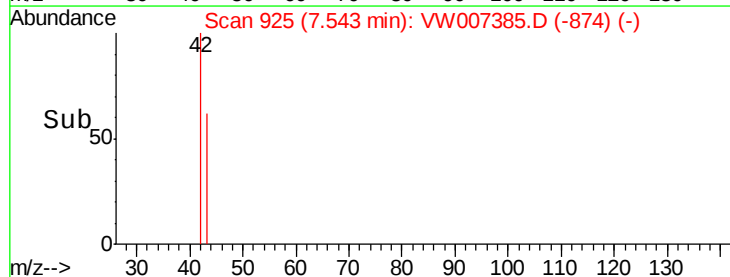
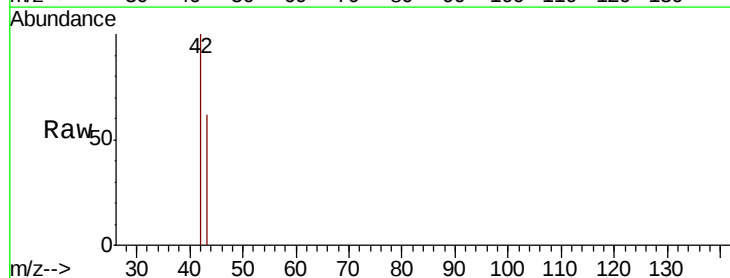
Tgt Ion: 42 Resp: 188

Ion Ratio Lower Upper

42 100

72 0.0 38.2 57.4#

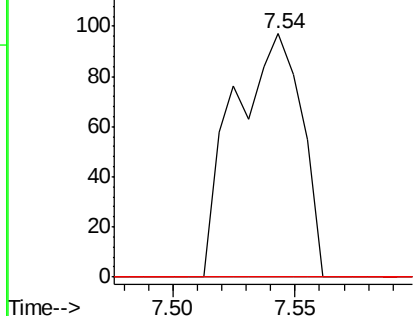
71 0.0 35.5 53.3#

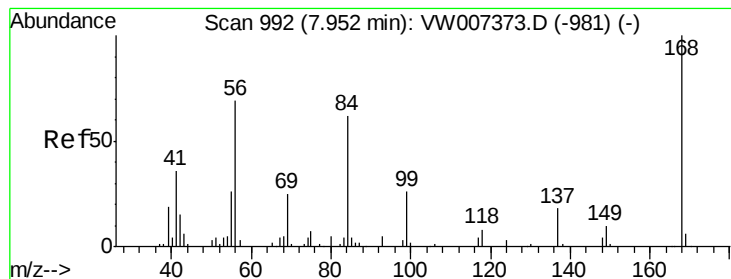


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.259 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007385.D

Acq: 11 Dec 2018 06:08

Instrument :

MSVOA_W

ClientSampleId :

TP-5

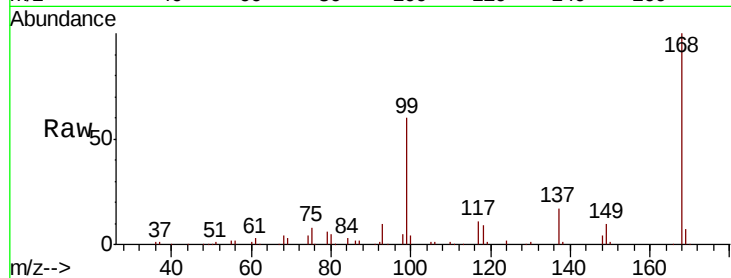
Tgt Ion: 56 Resp: 2101

Ion Ratio Lower Upper

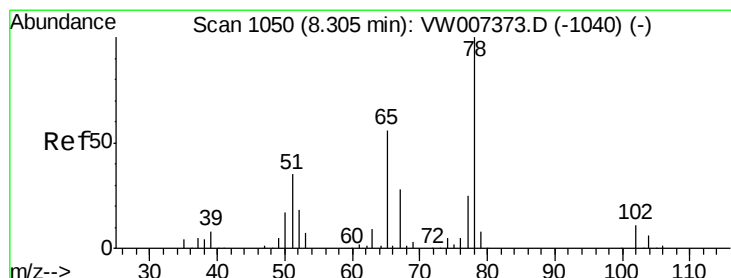
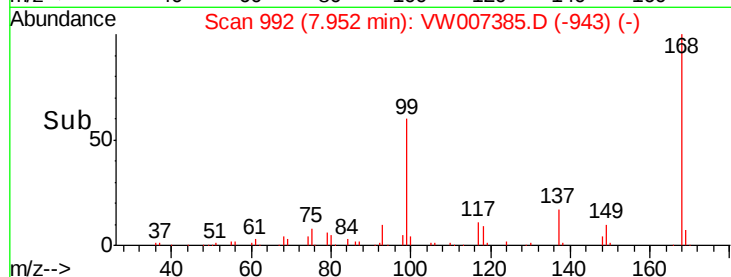
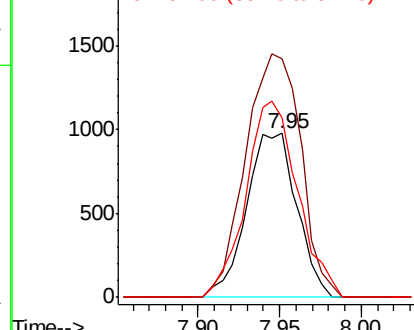
56 100

69 145.5 28.9 43.3#

84 109.1 71.8 107.6#



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: 44.238 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW007385.D

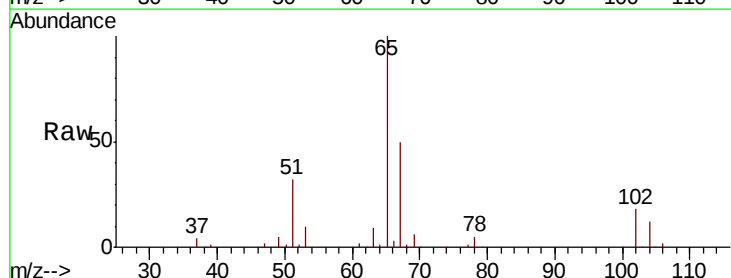
Acq: 11 Dec 2018 06:08

Tgt Ion: 65 Resp: 47535

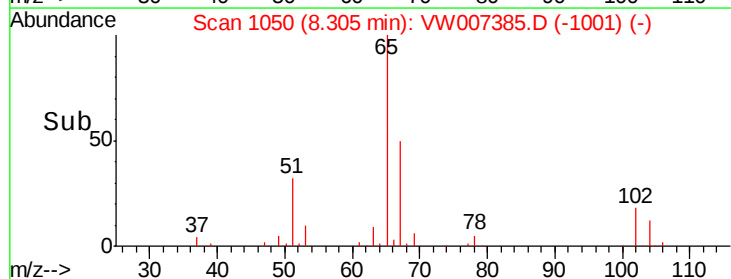
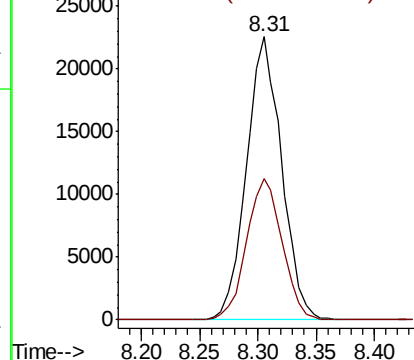
Ion Ratio Lower Upper

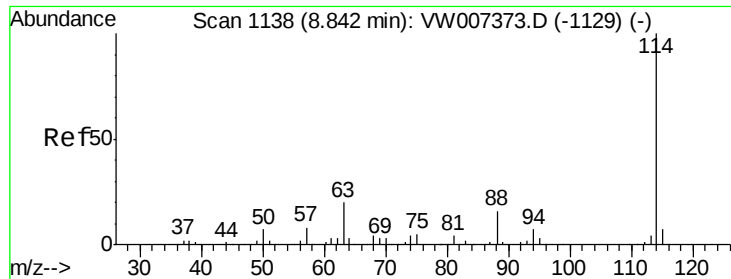
65 100

67 50.3 0.0 101.6



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

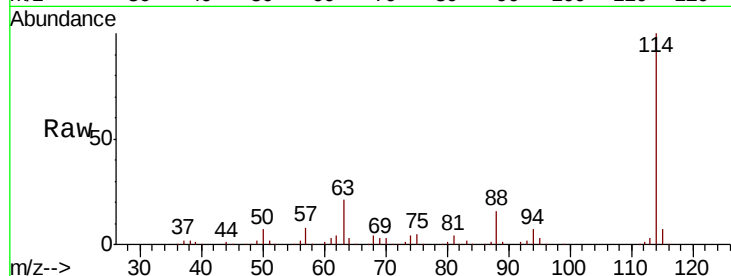




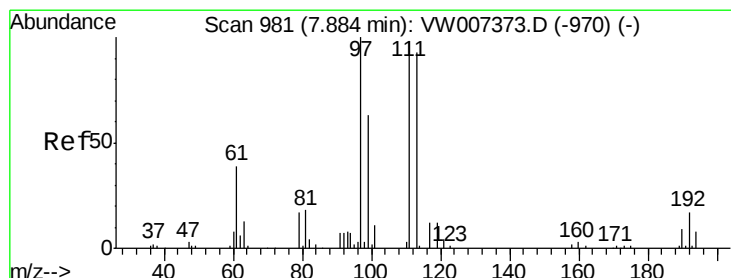
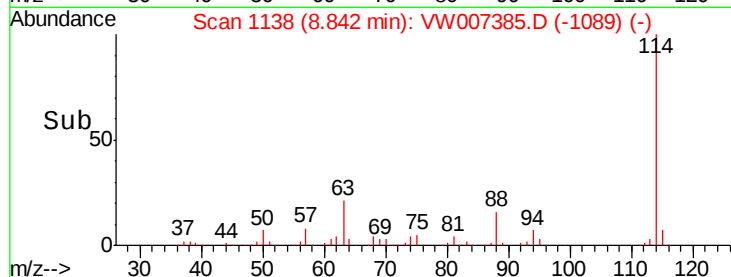
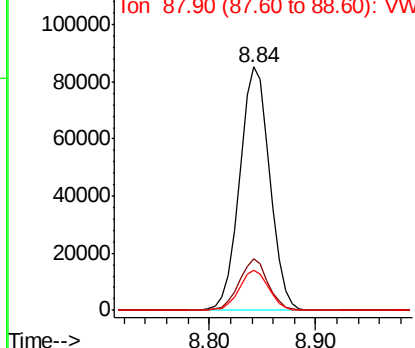
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007385.D
 Acq: 11 Dec 2018 06:08

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-5

Tgt Ion:114 Resp: 168969
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 39.6
 88 16.4 0.0 31.4

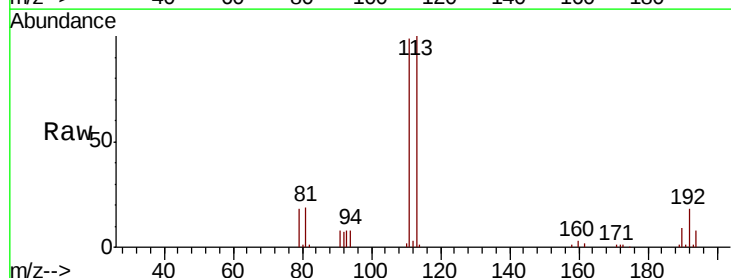


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

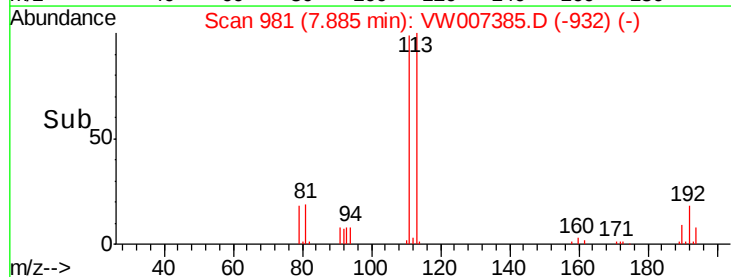
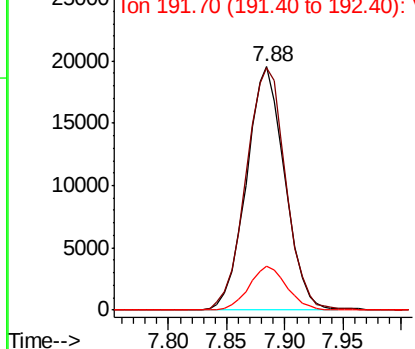


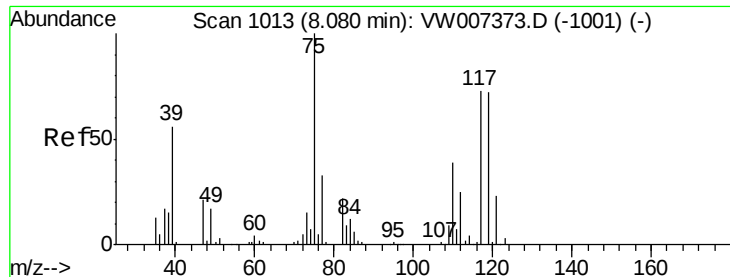
#35
 Dibromofluoromethane
 Concen: 43.765 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW007385.D
 Acq: 11 Dec 2018 06:08

Tgt Ion:113 Resp: 44764
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.1 121.7
 192 17.7 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

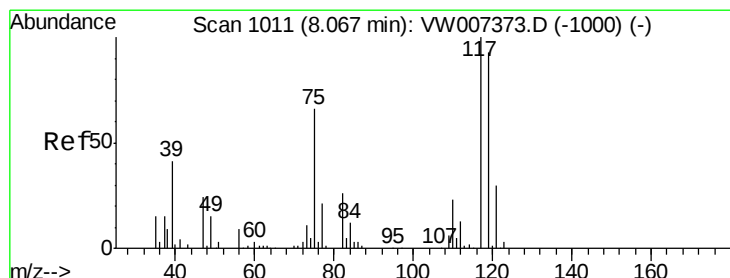
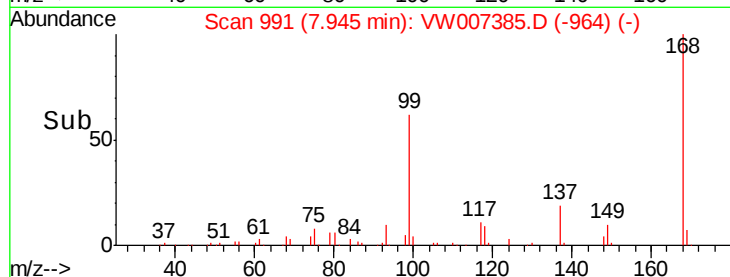
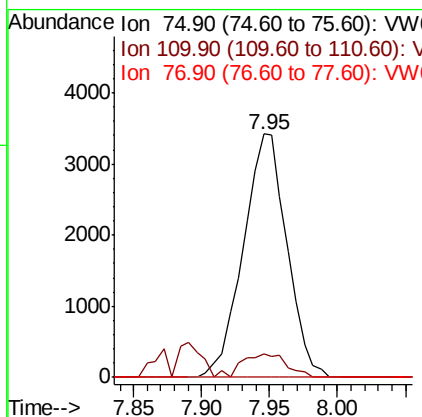
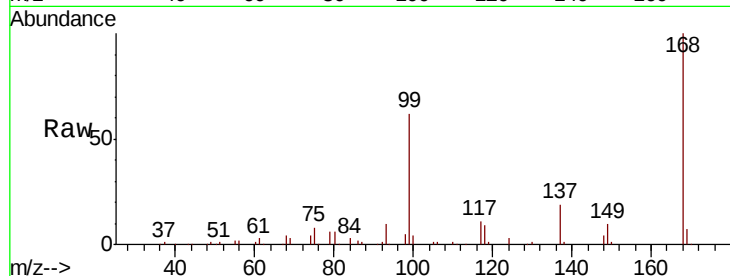




#36
 1,1-Dichloropropene
 Concen: 4.983 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW007385.D
 Acq: 11 Dec 2018 06:08

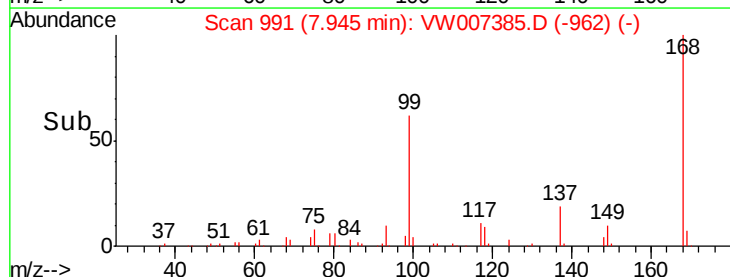
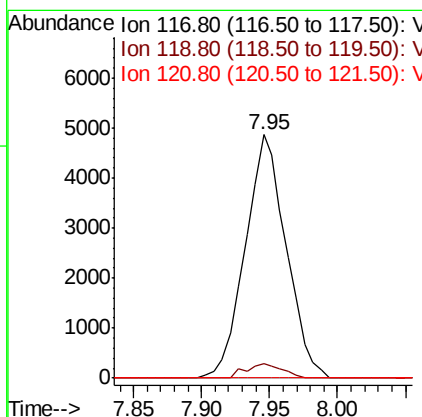
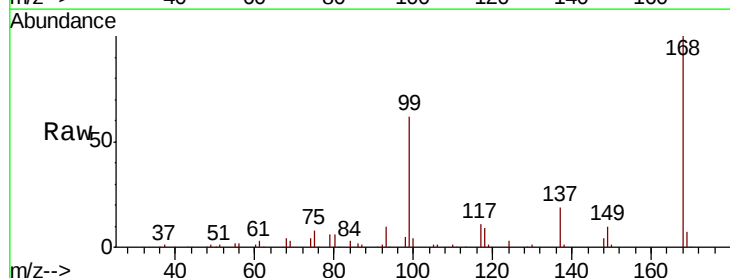
Instrument :
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 TP-5

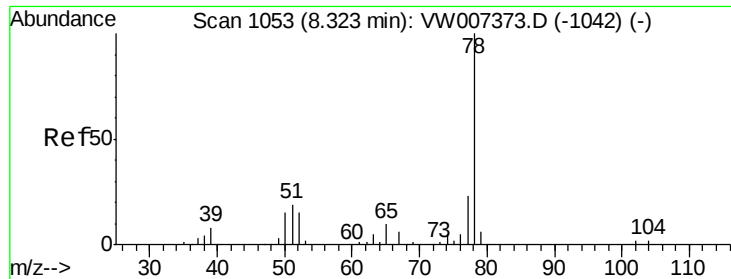
Tgt Ion: 75 Resp: 7681
 Ion Ratio Lower Upper
 75 100
 110 9.4 18.5 55.5#
 77 0.0 25.6 38.4#



#38
 Carbon Tetrachloride
 Concen: 6.087 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW007385.D
 Acq: 11 Dec 2018 06:08

Tgt Ion: 117 Resp: 10209
 Ion Ratio Lower Upper
 117 100
 119 6.1 74.3 111.5#
 121 0.0 24.3 36.5#





#40

Benzene

Concen: 1.232 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW007385.D

Acq: 11 Dec 2018 06:08

Instrument :

MSVOA_W

ClientSampled :

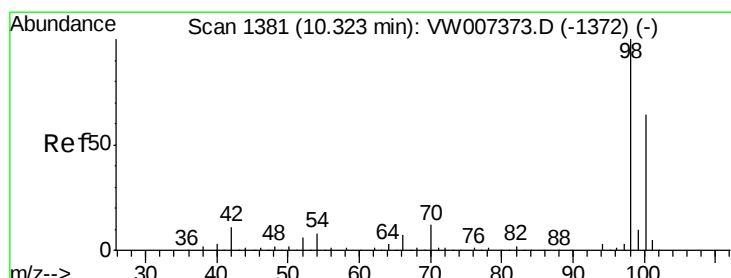
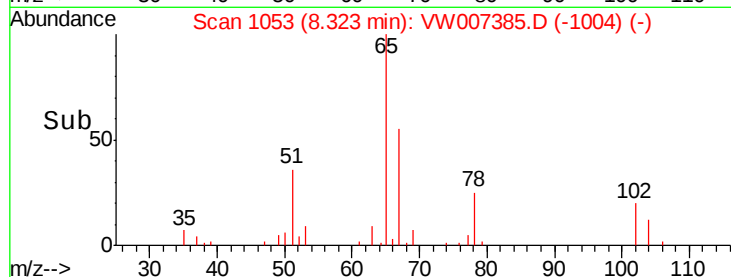
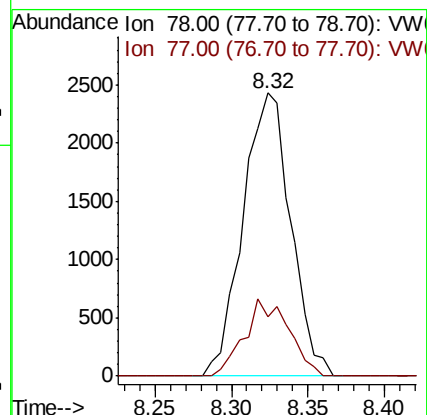
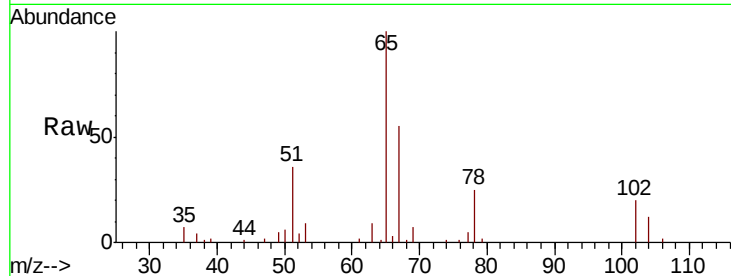
TP-5

Tgt Ion: 78 Resp: 5270

Ion Ratio Lower Upper

78 100

77 20.8 18.8 28.2



#50

Toluene-d8

Concen: 41.422 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW007385.D

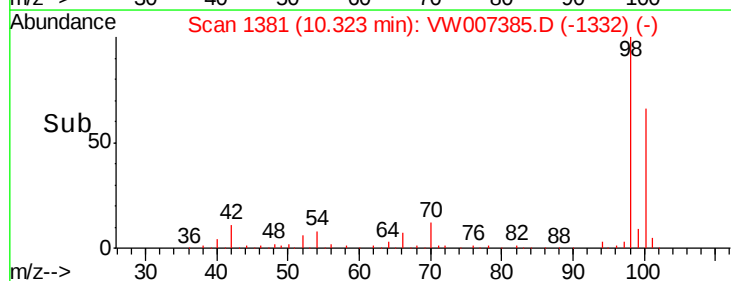
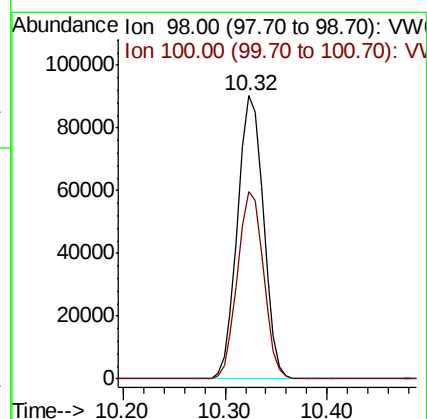
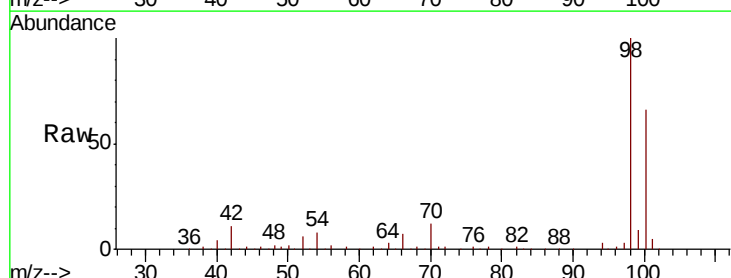
Acq: 11 Dec 2018 06:08

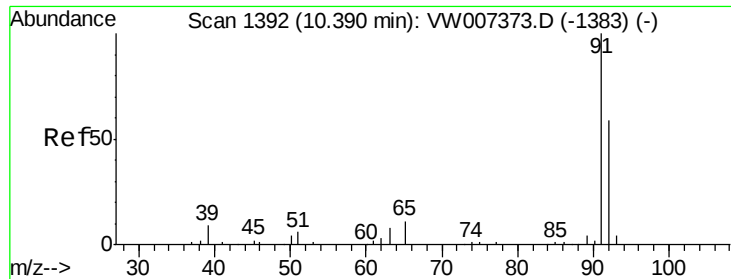
Tgt Ion: 98 Resp: 158858

Ion Ratio Lower Upper

98 100

100 66.3 51.8 77.8





#52

Toluene

Concen: 20.337 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007385.D

Acq: 11 Dec 2018 06:08

Instrument :

MSVOA_W

ClientSampleId :

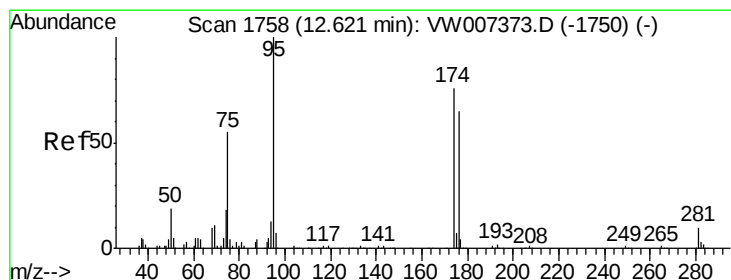
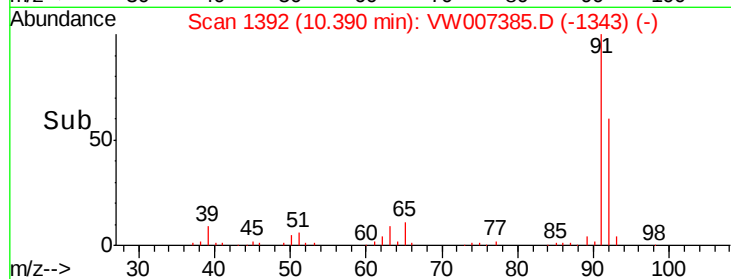
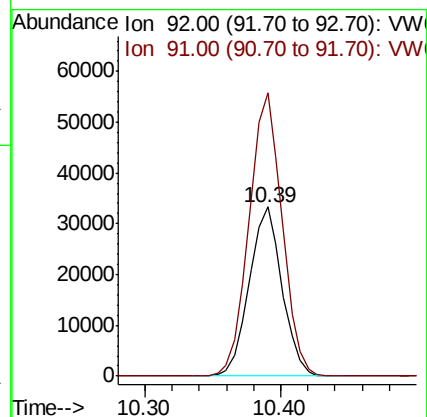
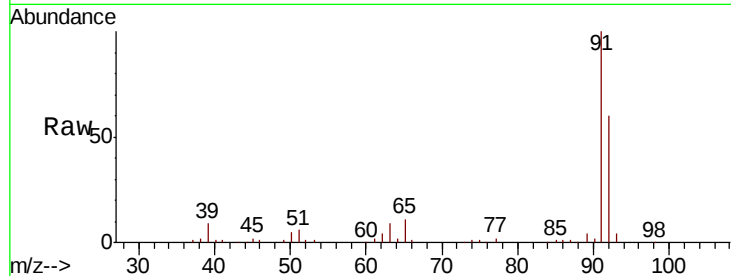
TP-5

Tgt Ion: 92 Resp: 56297

Ion Ratio Lower Upper

92 100

91 168.9 136.2 204.2



#62

4-Bromofluorobenzene

Concen: 43.480 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007385.D

Acq: 11 Dec 2018 06:08

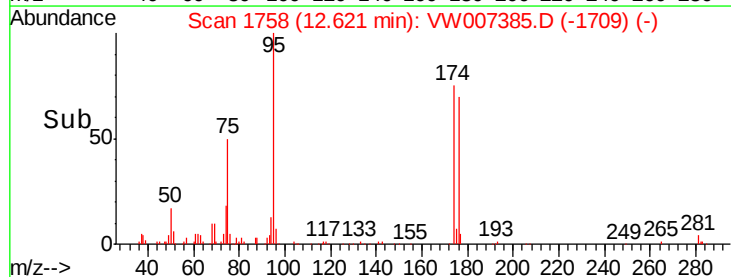
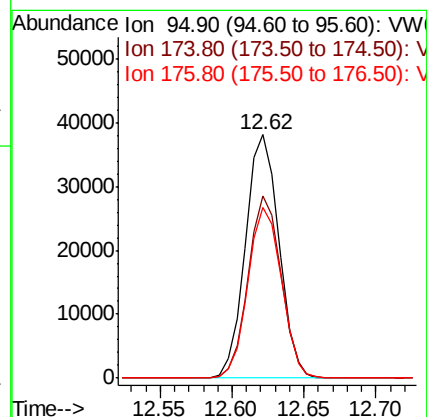
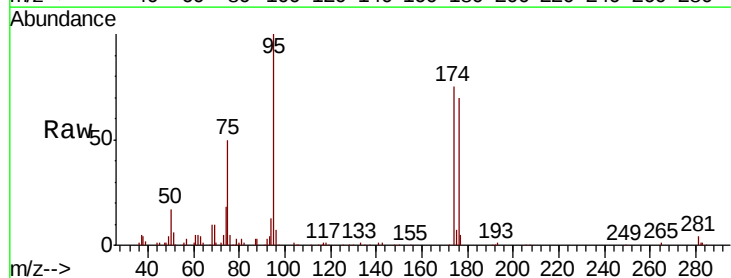
Tgt Ion: 95 Resp: 61309

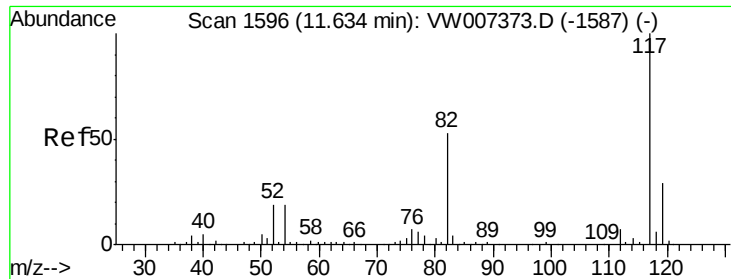
Ion Ratio Lower Upper

95 100

174 73.8 0.0 147.2

176 70.0 0.0 138.8

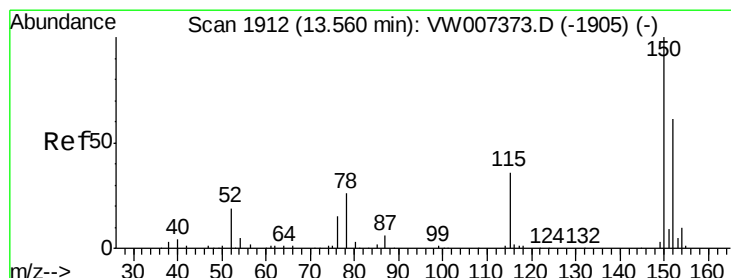
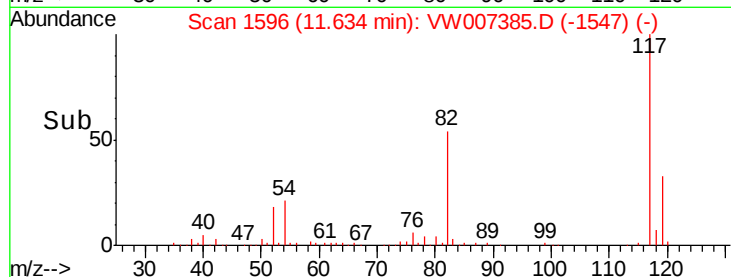
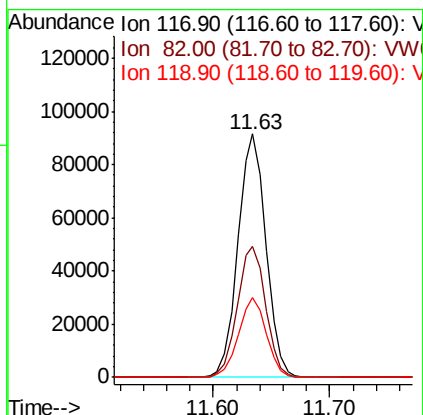
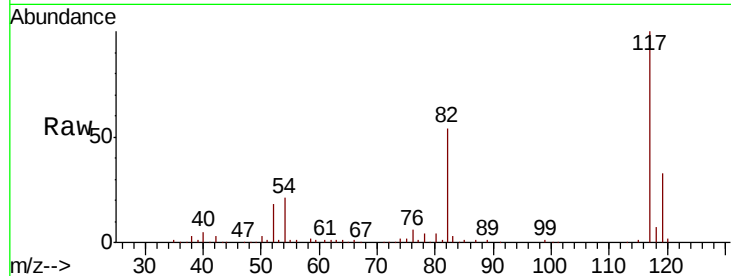




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VW007385.D
 Acq: 11 Dec 2018 06:08

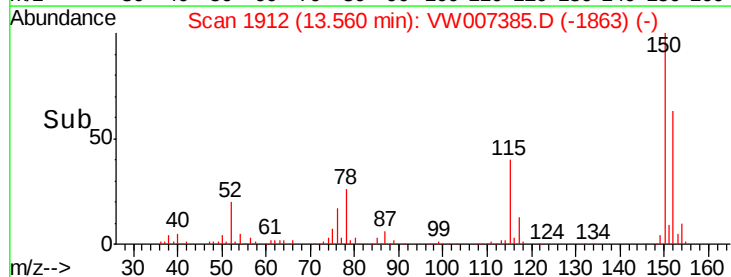
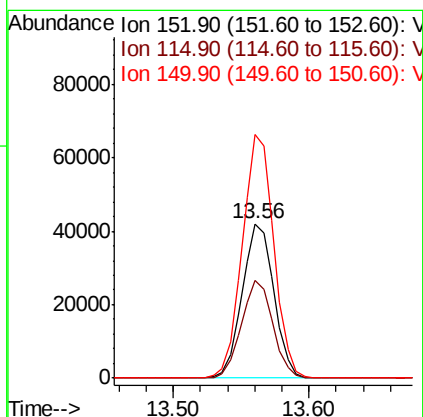
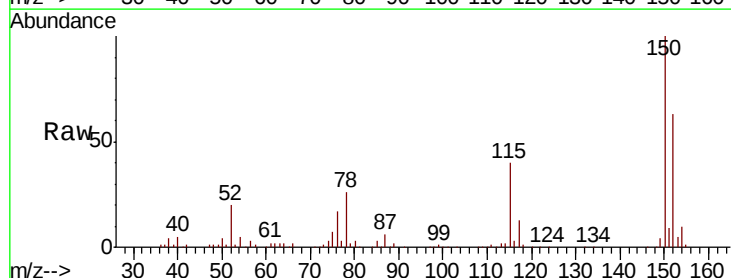
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-5

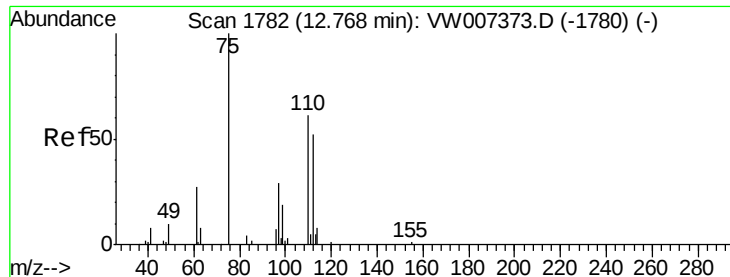
Tgt Ion:117 Resp: 152992
 Ion Ratio Lower Upper
 117 100
 82 54.0 42.3 63.5
 119 32.6 23.0 34.6



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. 0.00 min
 Lab File: VW007385.D
 Acq: 11 Dec 2018 06:08

Tgt Ion:152 Resp: 68342
 Ion Ratio Lower Upper
 152 100
 115 62.3 31.4 94.2
 150 156.5 0.0 358.4

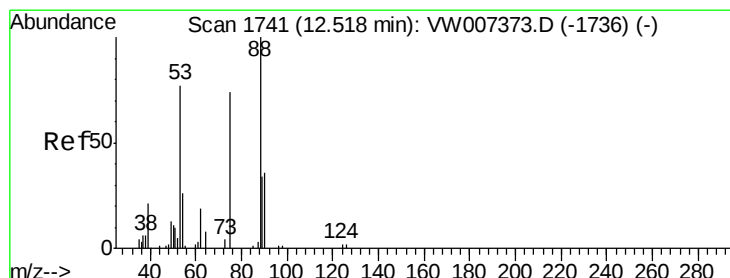
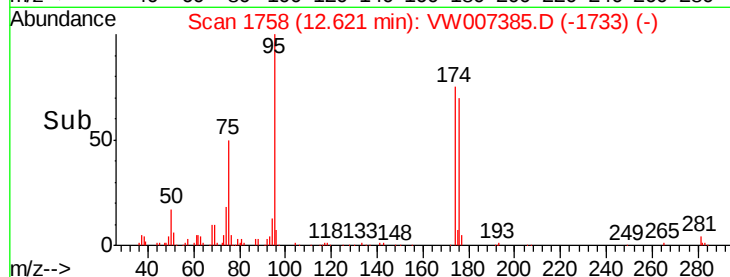
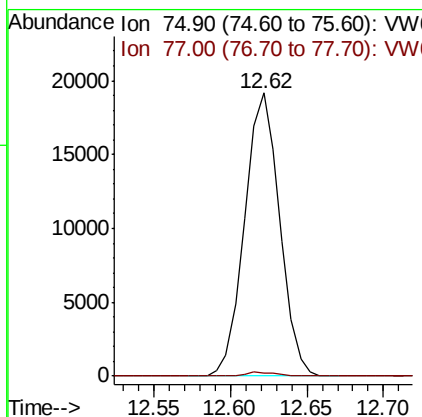
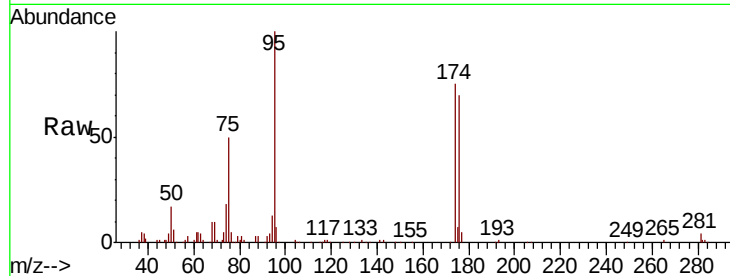




#76
 1,2,3-Trichloropropane
 Concen: 54.119 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW007385.D
 Acq: 11 Dec 2018 06:08

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-5

Tgt Ion: 75 Resp: 30496
 Ion Ratio Lower Upper
 75 100
 77 1.2 166.9 500.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 119.549 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW007385.D
 Acq: 11 Dec 2018 06:08

Tgt Ion: 75 Resp: 30496
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.9 127.3#
 89 0.0 40.3 60.5#

