

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091218\
 Data File : VW005323.D
 Acq On : 12 Sep 2018 14:15
 Operator : SY/AP
 Sample : J4829-05RE
 Misc : 5.02G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 12 14:48:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 03:48:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	499289	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	744548	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	727139	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	357150	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	169583	45.54	ug/l	0.00
Spiked Amount			Recovery	=	91.08%	
35) Dibromofluoromethane	7.89	113	157743	40.44	ug/l	0.00
Spiked Amount			Recovery	=	80.88%	
50) Toluene-d8	10.33	98	731542	37.12	ug/l	0.00
Spiked Amount			Recovery	=	74.24%	
62) 4-Bromofluorobenzene	12.62	95	256043	35.52	ug/l	0.00
Spiked Amount			Recovery	=	71.04%	

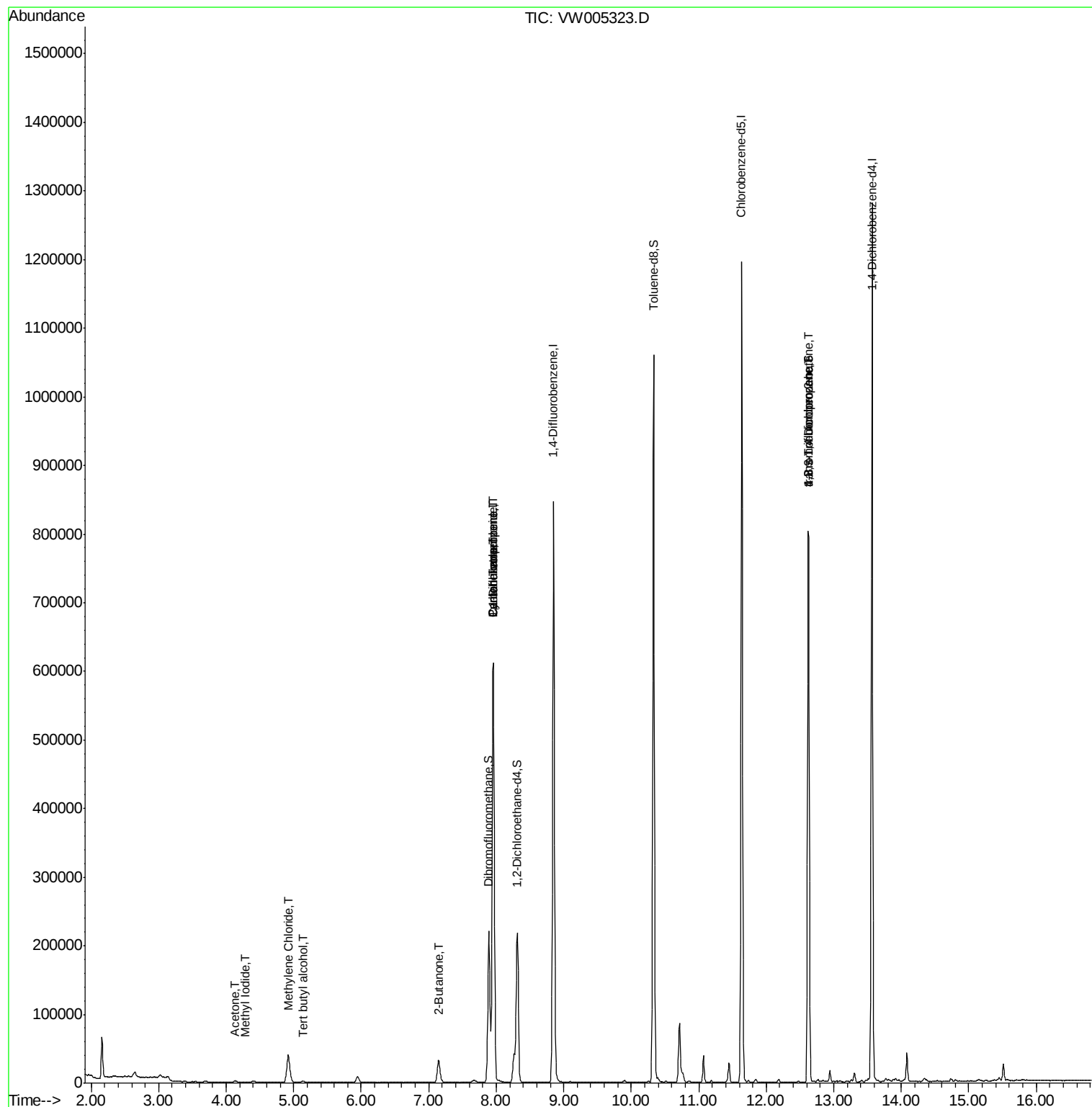
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.77	94	771	Below Cal		87
10) Methyl Iodide	4.28	142	569	3.427	ug/l #	72
11) Tert butyl alcohol	5.15	59	1385	4.535	ug/l #	73
16) Acetone	4.13	43	4124	5.966	ug/l #	79
20) Methylene Chloride	4.92	84	33575	3.471	ug/l	96
25) 2-Butanone	7.14	43	1607	1.474	ug/l #	43
31) Cyclohexane	7.95	56	8458	1.061	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	33478	4.908	ug/l #	48
38) Carbon Tetrachloride	7.96	117	43561	6.817	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	117920	42.927	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	117920	100.672	ug/l #	16

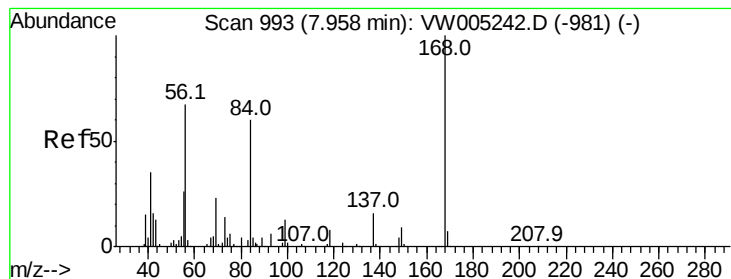
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW005323.D

Acq: 12 Sep 2018 14:15

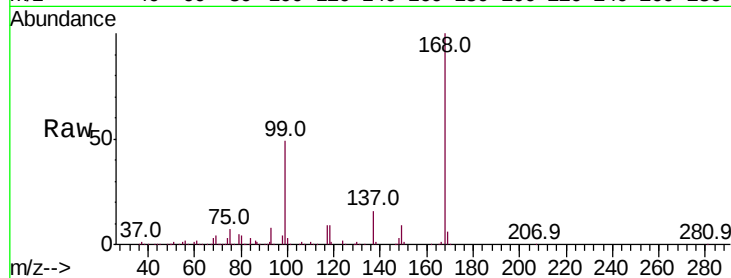
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 499289

Ion Ratio Lower Upper

168 100

99 49.0 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

250000

200000

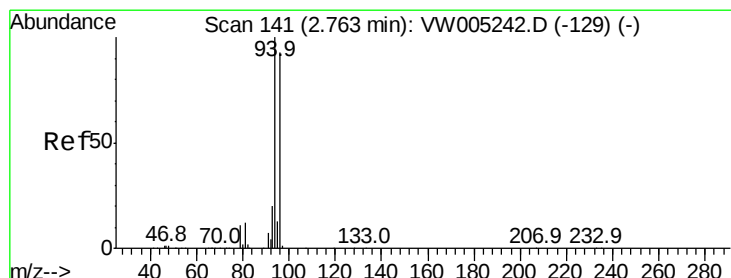
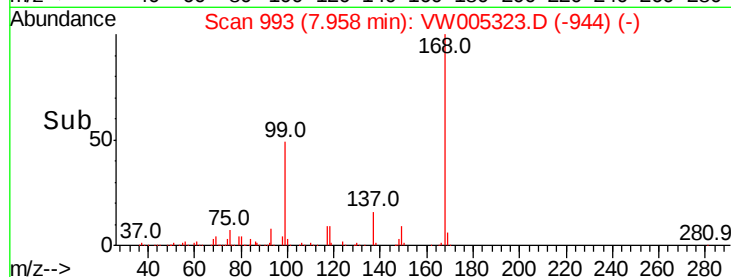
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 142

Delta R.T. 0.01 min

Lab File: VW005323.D

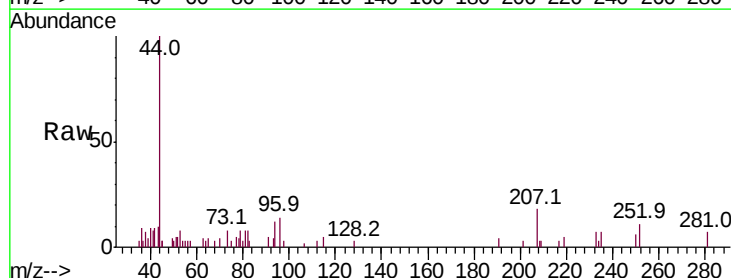
Acq: 12 Sep 2018 14:15

Tgt Ion: 94 Resp: 771

Ion Ratio Lower Upper

94 100

96 80.3 74.1 111.1



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

400

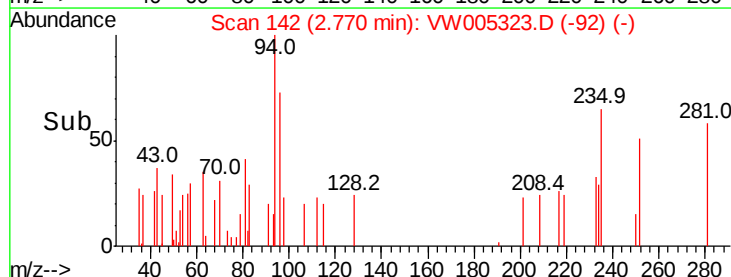
300

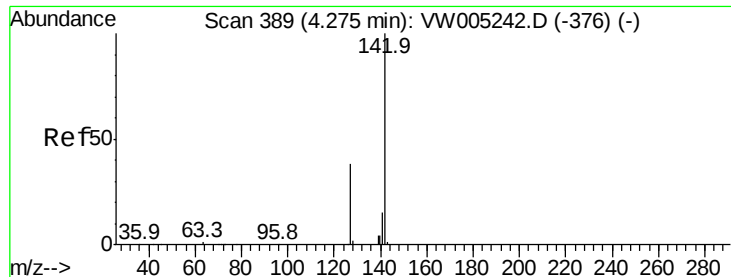
200

100

0

Time-->





#10

Methyl Iodide

Concen: 3.427 ug/l

RT: 4.28 min Scan# 390

Delta R.T. 0.01 min

Lab File: VW005323.D

Acq: 12 Sep 2018 14:15

Instrument :
MSVOA_W
ClientSampled :

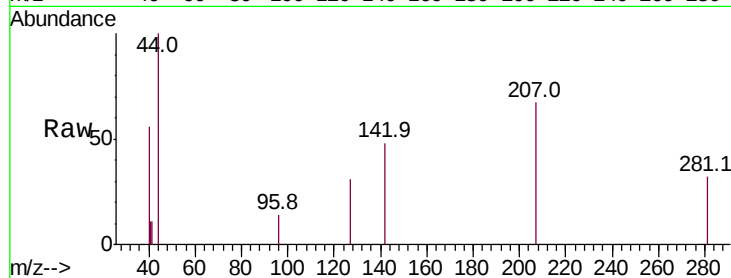
Tot Ion:142 Resp: 569

Ion Ratio Lower Upper

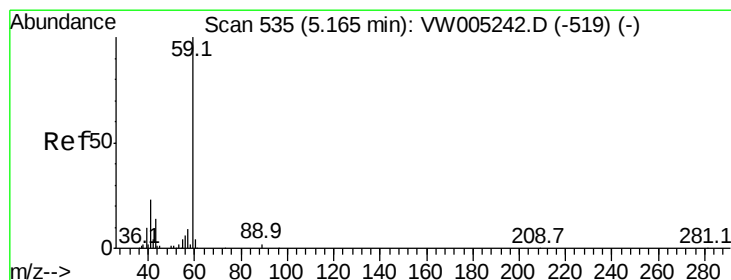
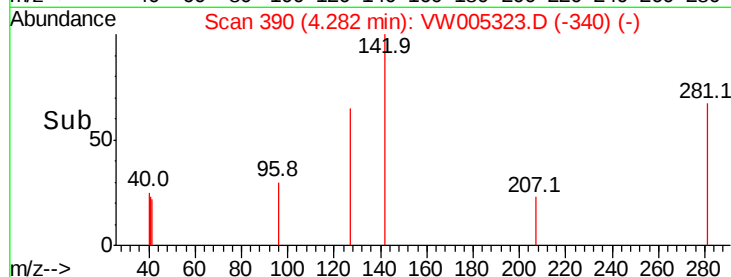
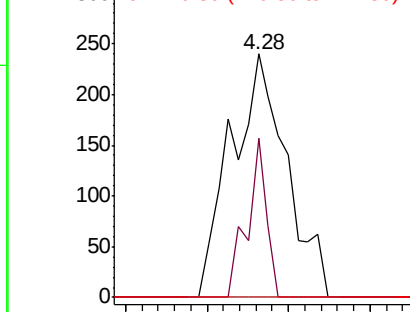
142 100

127 22.8 30.3 45.5#

141 0.0 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 4.535 ug/l

RT: 5.15 min Scan# 532

Delta R.T. -0.02 min

Lab File: VW005323.D

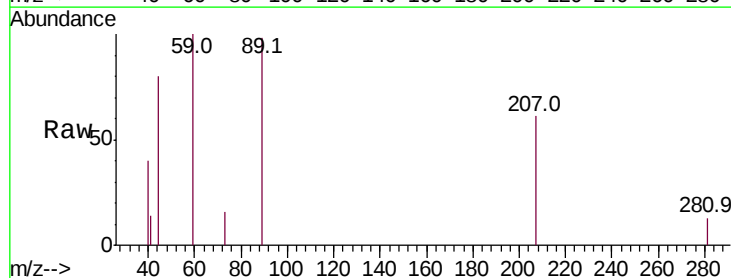
Acq: 12 Sep 2018 14:15

Tgt Ion: 59 Resp: 1385

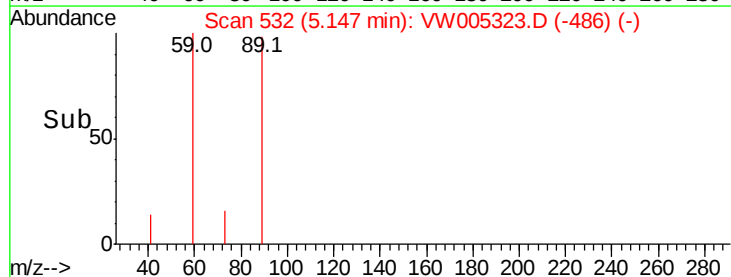
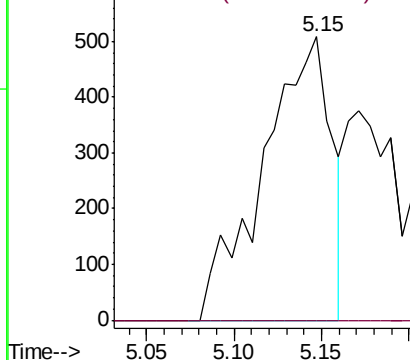
Ion Ratio Lower Upper

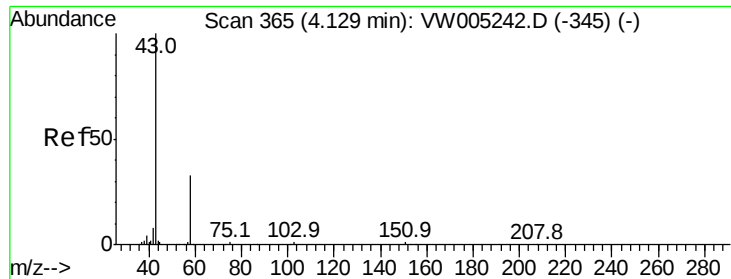
59 100

57 0.0 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VW
Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 5.966 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW005323.D

Acq: 12 Sep 2018 14:15

Instrument :

MSVOA_W

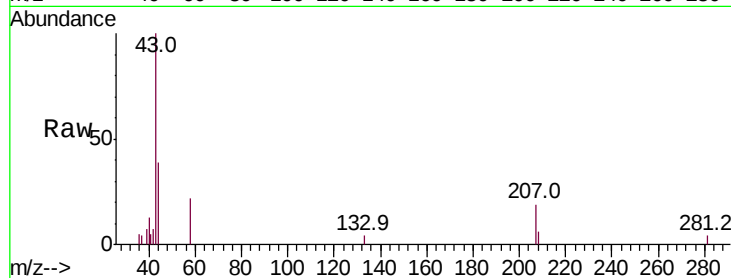
ClientSampleId :

Tot Ion: 43 Resp: 4124

Ion Ratio Lower Upper

43 100

58 21.7 26.7 40.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

1500

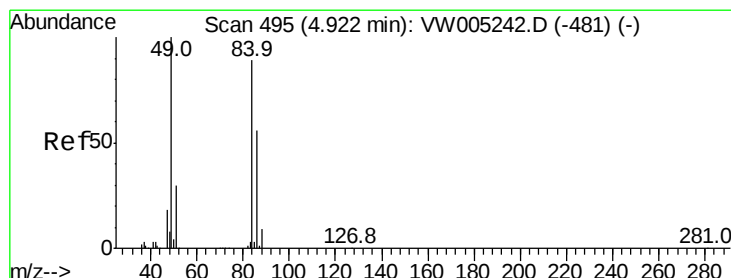
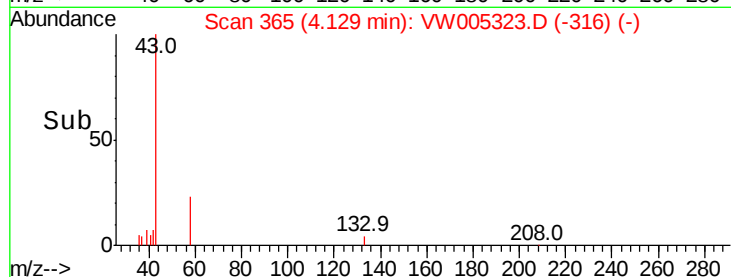
1000

500

0

4.05 4.10 4.15 4.20 4.25

Time-->



#20

Methylene Chloride

Concen: 3.471 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW005323.D

Acq: 12 Sep 2018 14:15

Tgt Ion: 84 Resp: 33575

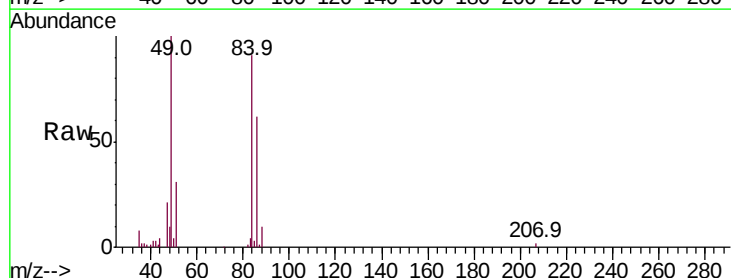
Ion Ratio Lower Upper

84 100

49 109.8 90.3 135.5

51 33.8 26.9 40.3

86 68.6 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

15000

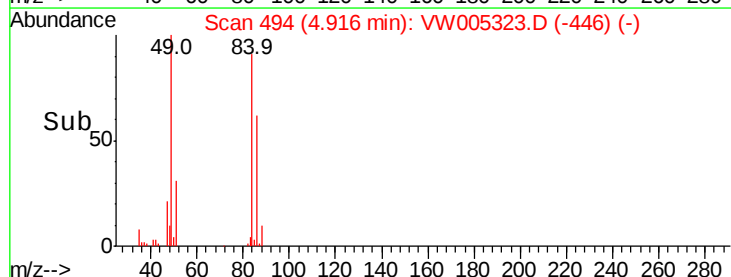
10000

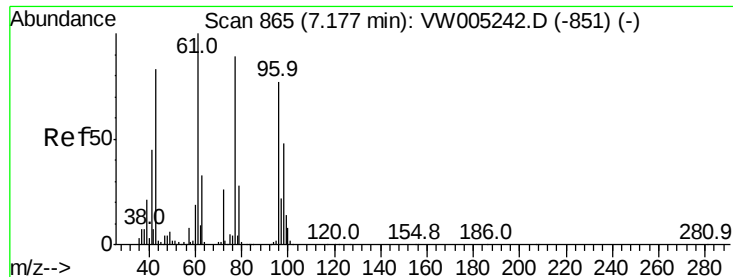
5000

0

4.80 4.90 5.00

Time-->





#25

2-Butanone

Concen: 1.474 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.04 min

Lab File: VW005323.D

Acq: 12 Sep 2018 14:15

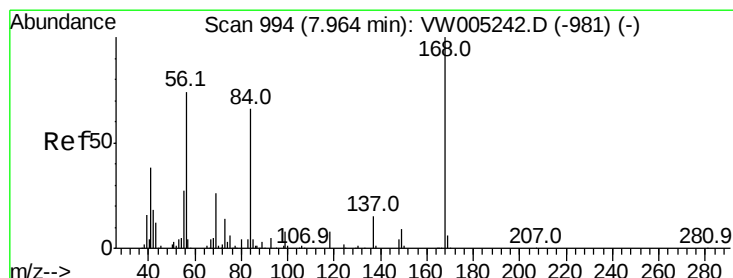
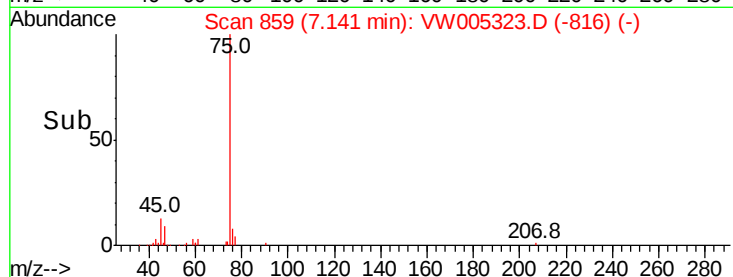
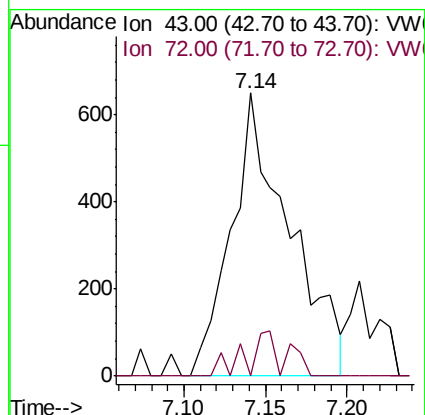
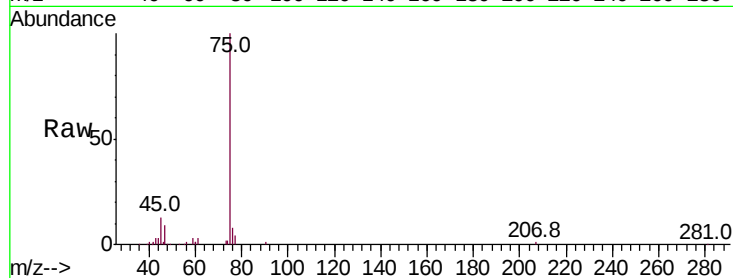
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 1607

Ion Ratio Lower Upper

43 100

72 0.0 25.0 37.6#



#31

Cyclohexane

Concen: 1.061 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005323.D

Acq: 12 Sep 2018 14:15

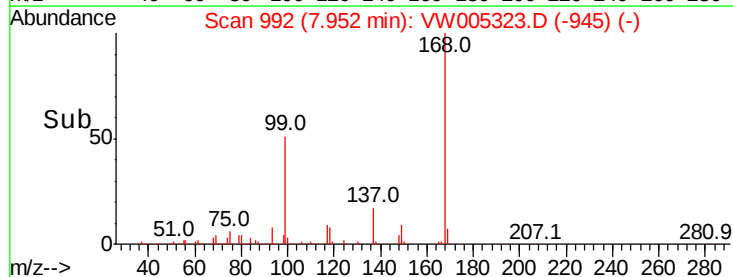
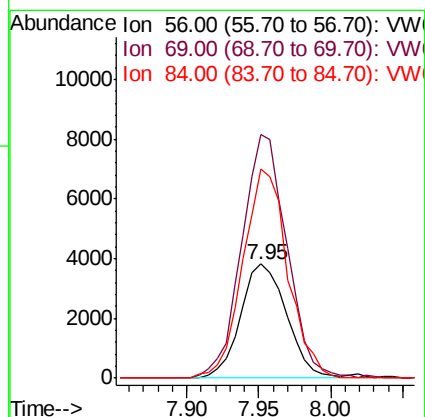
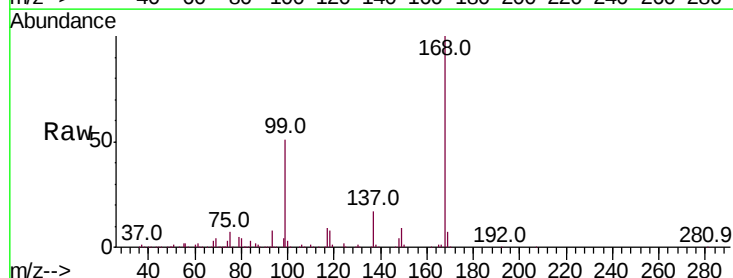
Tgt Ion: 56 Resp: 8458

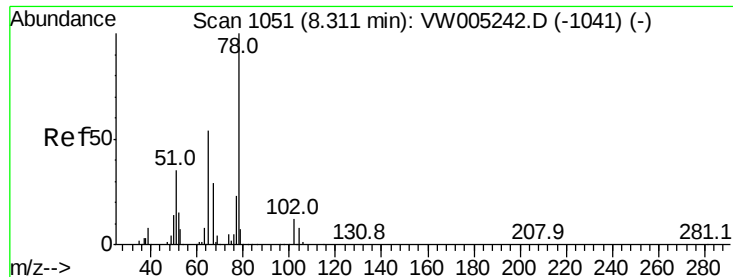
Ion Ratio Lower Upper

56 100

69 214.0 27.8 41.8#

84 184.3 72.1 108.1#

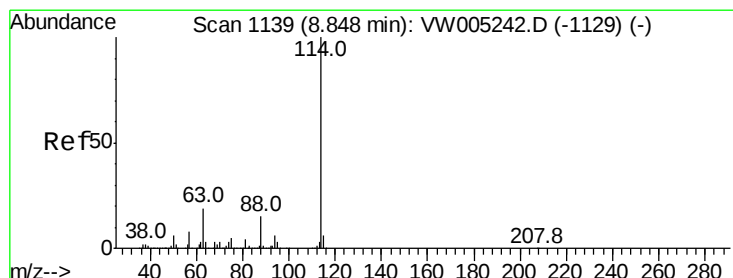
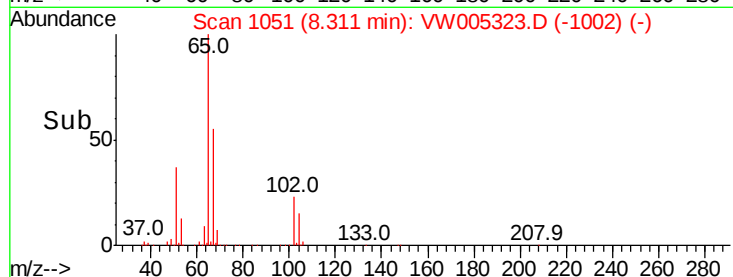
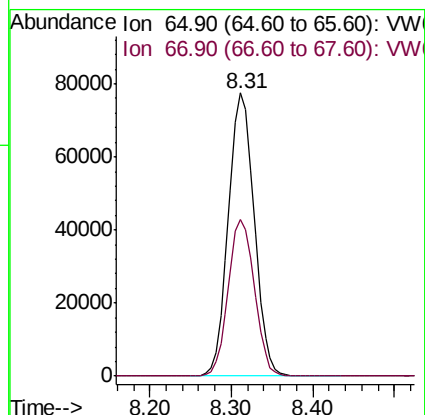
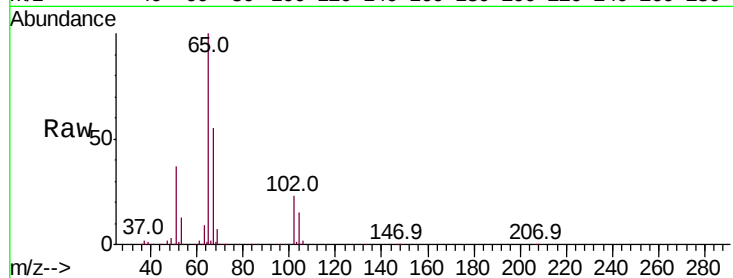




#33
 1,2-Dichloroethane-d4
 Concen: 45.538 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW005323.D
 Acq: 12 Sep 2018 14:15

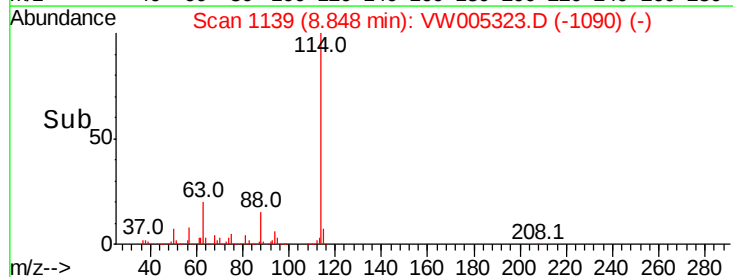
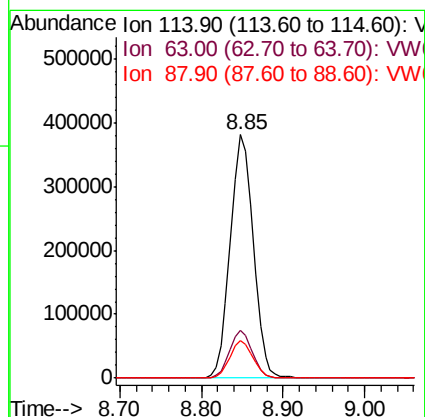
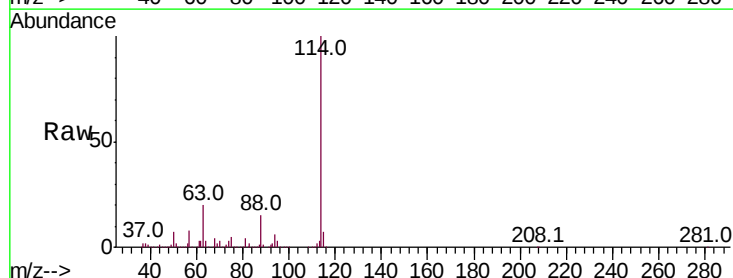
Instrument :
 MSVOA_W
 ClientSampled :

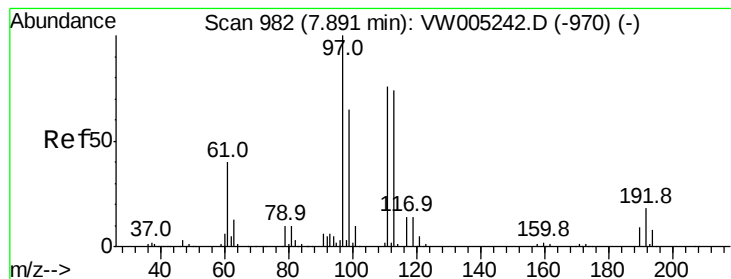
Tot Ion: 65 Resp: 169583
 Ion Ratio Lower Upper
 65 100
 67 56.0 0.0 112.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW005323.D
 Acq: 12 Sep 2018 14:15

Tgt Ion: 114 Resp: 744548
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 37.0
 88 15.3 0.0 30.4





#35

Dibromofluoromethane

Concen: 40.445 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.00 min

Lab File: VW005323.D

Acq: 12 Sep 2018 14:15

Instrument :

MSVOA_W

ClientSampleId :

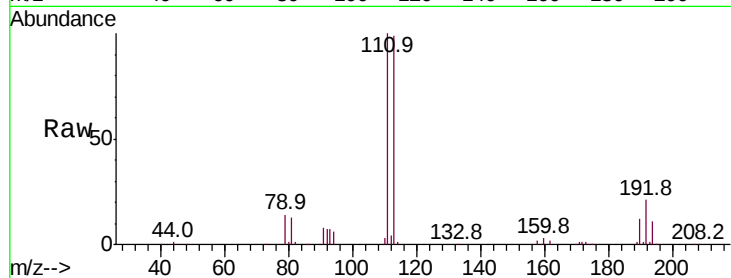
Tot Ion:113 Resp: 157743

Ion Ratio Lower Upper

113 100

111 103.3 80.6 121.0

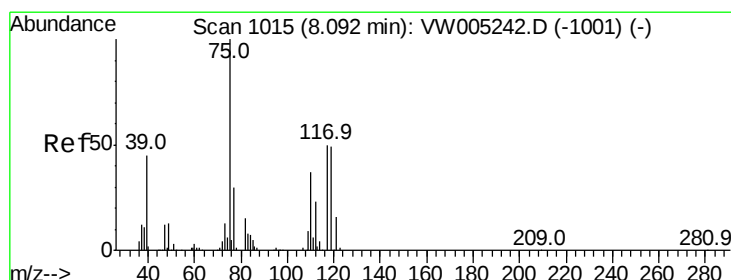
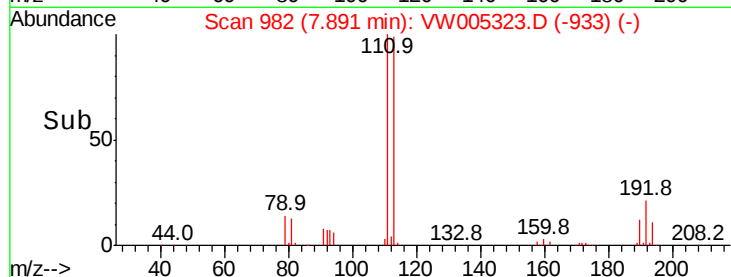
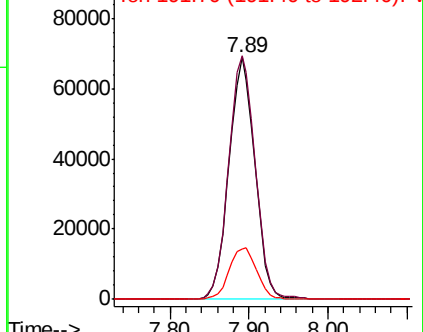
192 22.4 18.3 27.5



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: 4.908 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.13 min

Lab File: VW005323.D

Acq: 12 Sep 2018 14:15

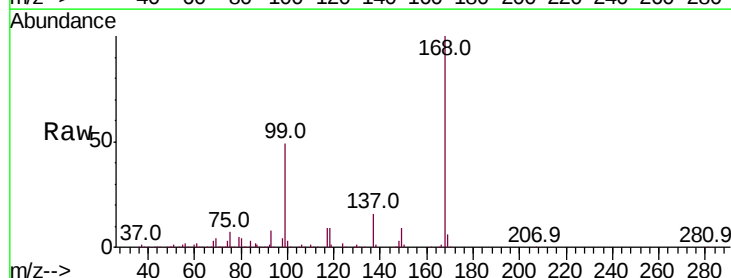
Tgt Ion: 75 Resp: 33478

Ion Ratio Lower Upper

75 100

110 8.7 18.8 56.4#

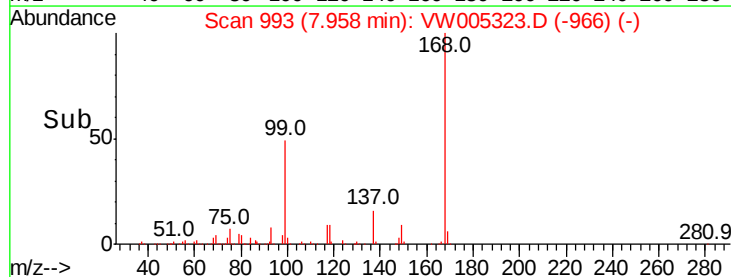
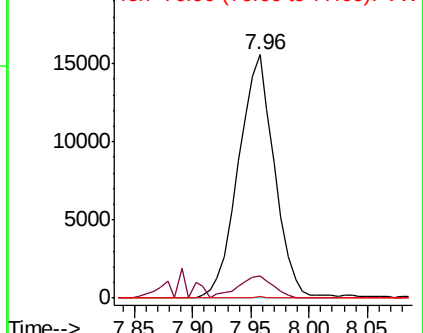
77 0.1 24.9 37.3#

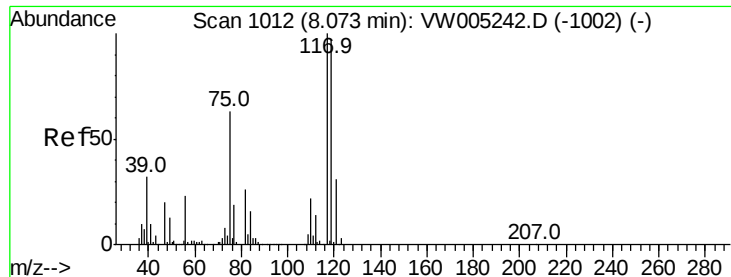


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.817 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.12 min

Lab File: VW005323.D

Acq: 12 Sep 2018 14:15

Instrument :

MSVOA_W

ClientSampleId :

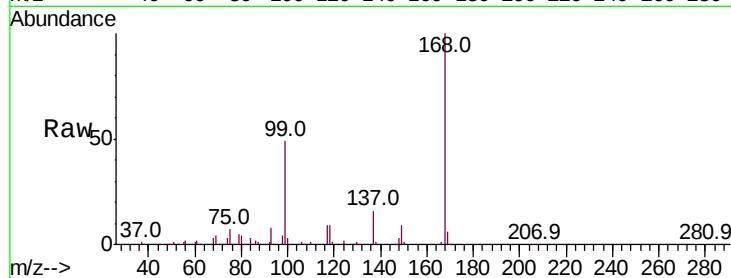
Tot Ion:117 Resp: 43561

Ion Ratio Lower Upper

117 100

119 5.8 77.5 116.3#

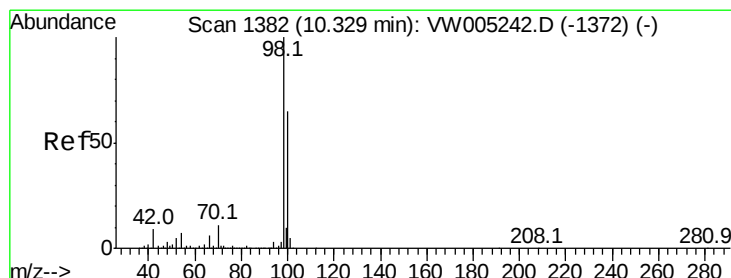
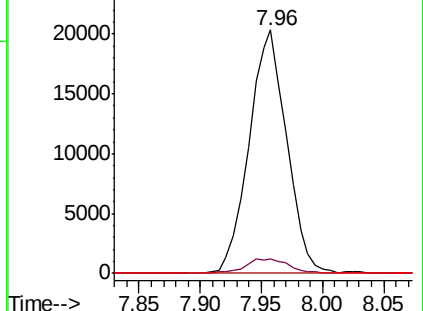
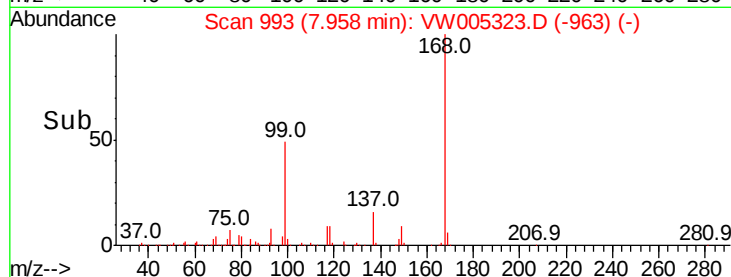
121 0.0 24.7 37.1#



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



#50

Toluene-d8

Concen: 37.118 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW005323.D

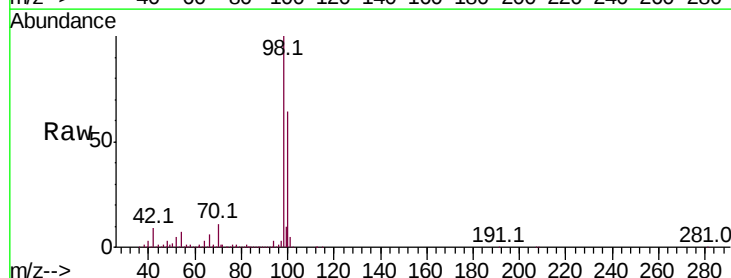
Acq: 12 Sep 2018 14:15

Tgt Ion: 98 Resp: 731542

Ion Ratio Lower Upper

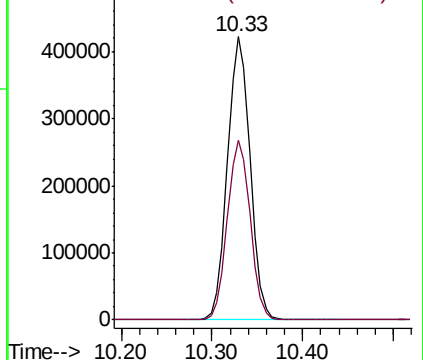
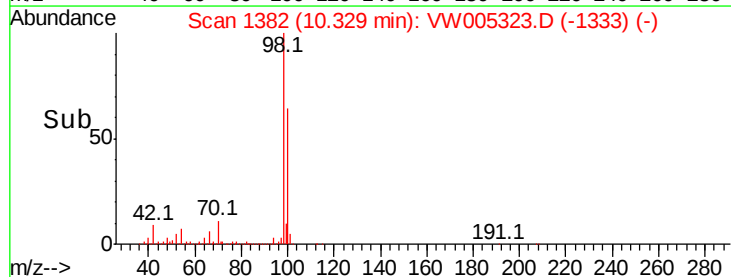
98 100

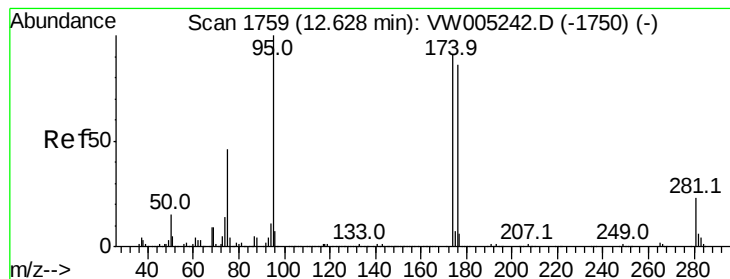
100 64.0 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 35.518 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.01 min

Lab File: VW005323.D

Acq: 12 Sep 2018 14:15

Instrument :

MSVOA_W

ClientSampleId :

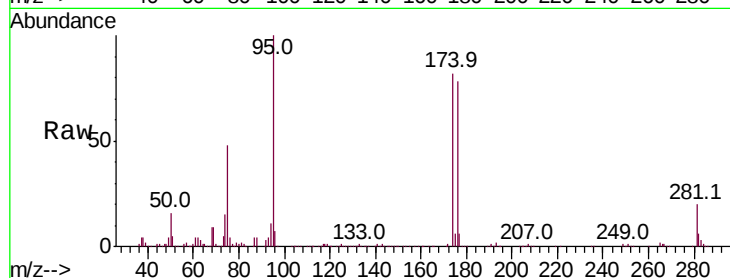
Tot Ion: 95 Resp: 256043

Ion Ratio Lower Upper

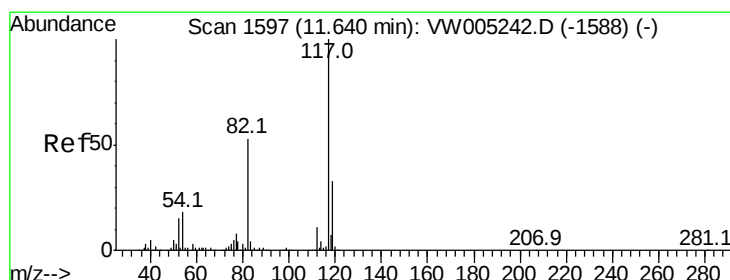
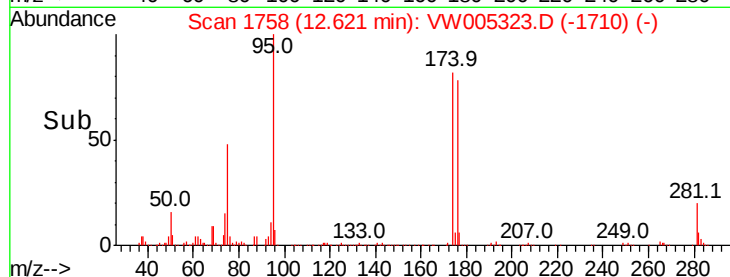
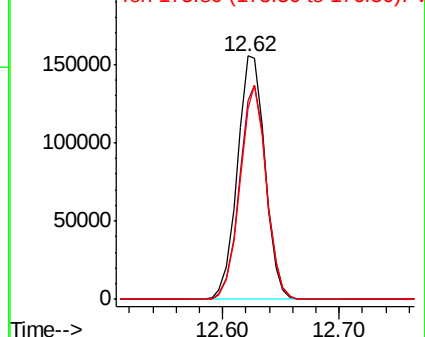
95 100

174 86.1 0.0 174.6

176 83.5 0.0 167.6



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: 11.64 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VW005323.D

Acq: 12 Sep 2018 14:15

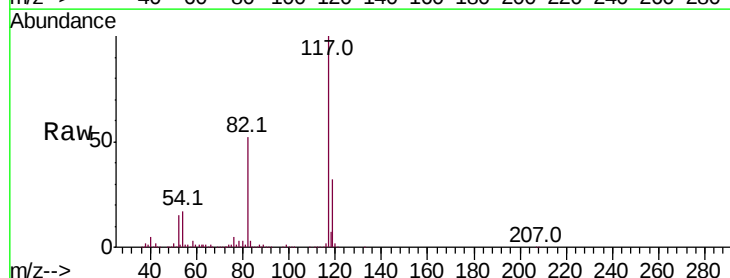
Tgt Ion: 117 Resp: 727139

Ion Ratio Lower Upper

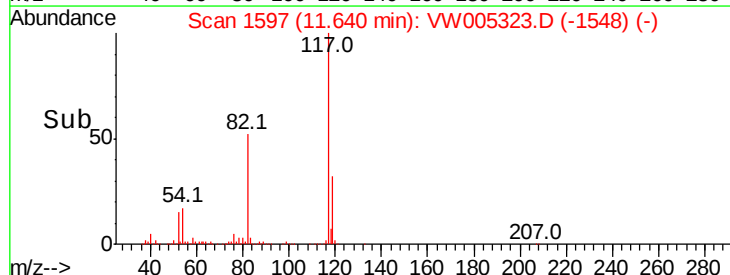
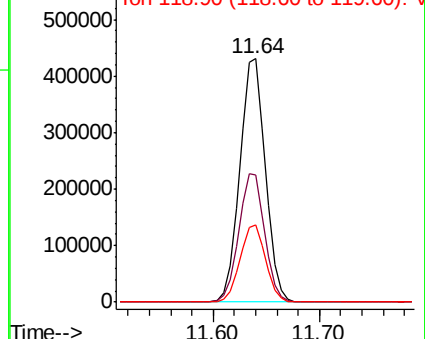
117 100

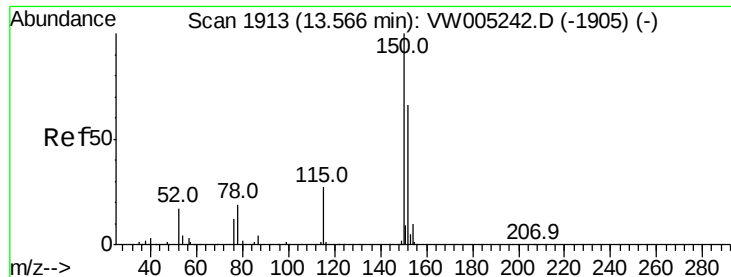
82 52.3 42.6 63.8

119 31.7 26.2 39.4



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: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW005323.D

Acq: 12 Sep 2018 14:15

Instrument :

MSVOA_W

ClientSampleId :

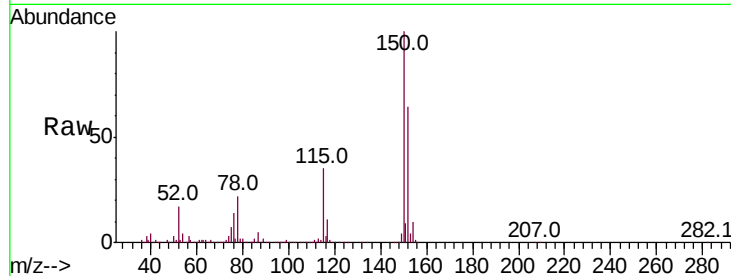
Tot Ion:152 Resp: 357150

Ion Ratio Lower Upper

152 100

115 55.7 27.5 82.4

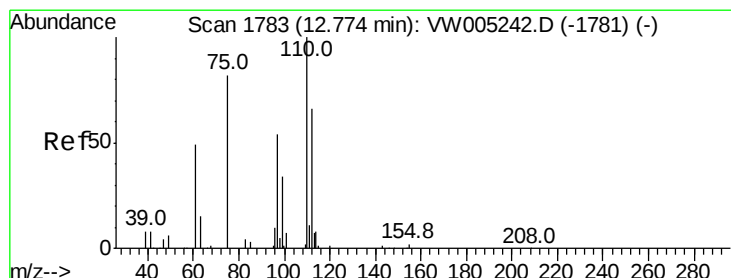
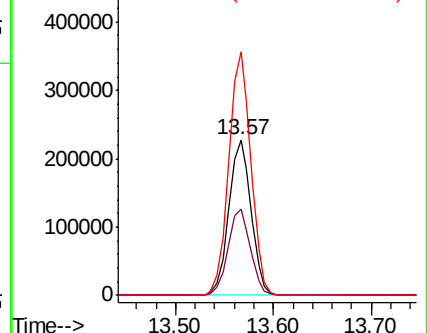
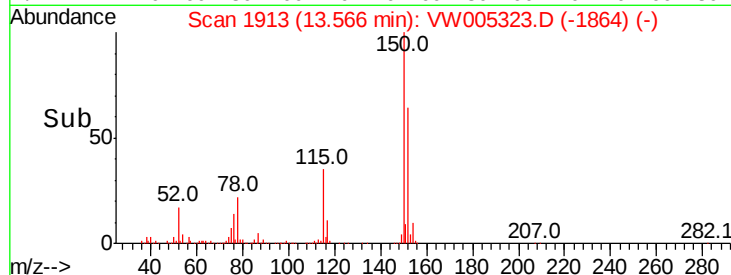
150 156.1 0.0 347.4



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: 42.927 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005323.D

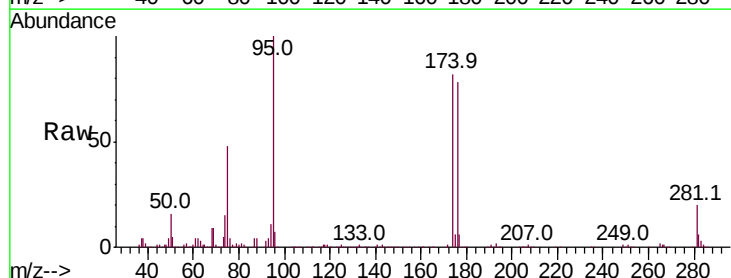
Acq: 12 Sep 2018 14:15

Tgt Ion: 75 Resp: 117920

Ion Ratio Lower Upper

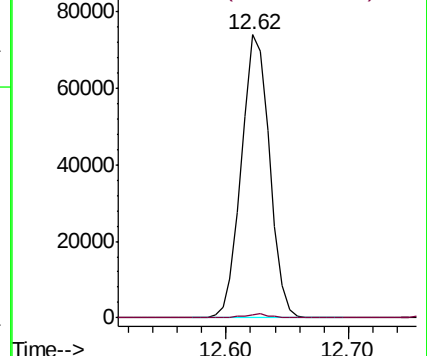
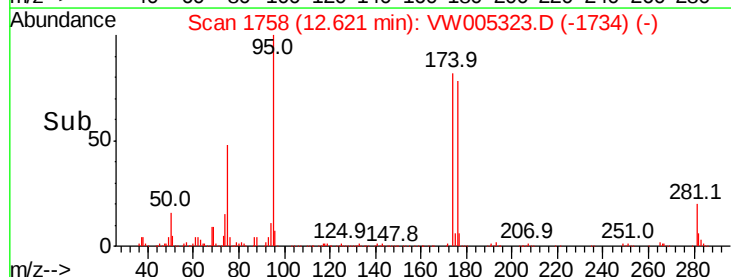
75 100

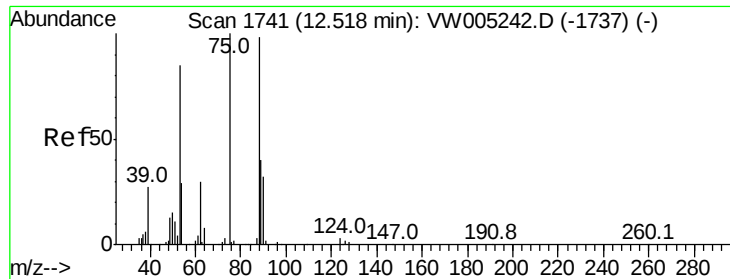
77 1.4 0.0 0.0#



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: 100.672 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005323.D

Acq: 12 Sep 2018 14:15

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 117920

Ion Ratio Lower Upper

75 100

53 0.2 67.0 100.6#

89 0.2 37.0 55.4#

