

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW103118\
 Data File : VW006509.D
 Acq On : 30 Oct 2018 18:27
 Operator : SY/AP
 Sample : J5649-02
 Misc : 5.63G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DL-01B

Quant Time: Oct 31 03:50:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	214442	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	314744	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	274879	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	128714	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	102944	57.90	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	115.80%	
35) Dibromofluoromethane	7.89	113	105312	56.63	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	113.26%	
50) Toluene-d8	10.33	98	375909	53.13	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.26%	
62) 4-Bromofluorobenzene	12.62	95	120331	45.28	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.56%	

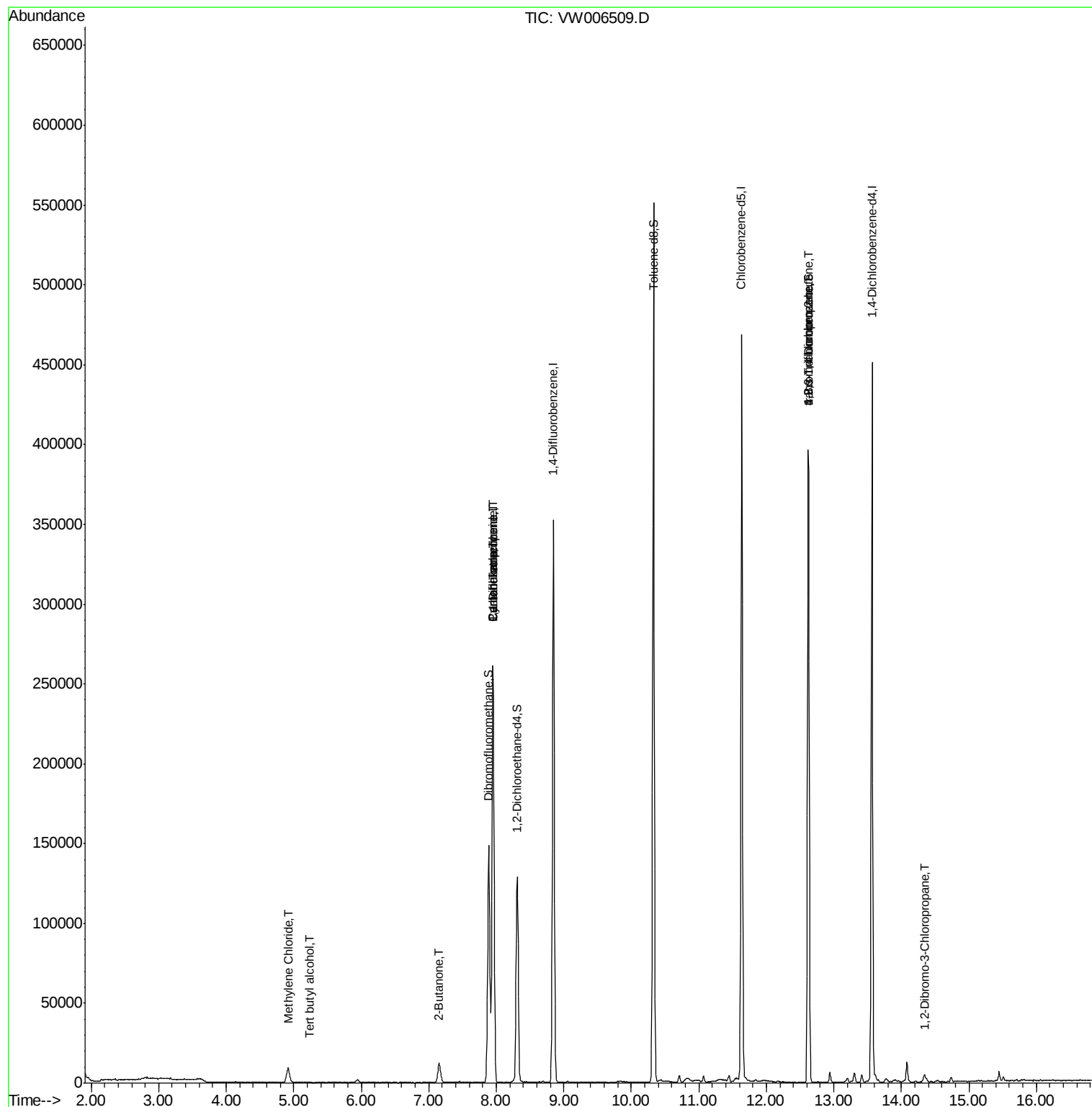
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.23	59	187	1.564	ug/l #	71
16) Acetone	4.15	43	932	Below Cal		90
20) Methylene Chloride	4.92	84	7492	2.434	ug/l	87
25) 2-Butanone	7.14	43	709	1.476	ug/l #	46
31) Cyclohexane	7.95	56	3534	1.086	ug/l #	8
36) 1,1-Dichloropropene	7.95	75	13580	4.681	ug/l #	48
38) Carbon Tetrachloride	7.95	117	18946	5.957	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	60288	61.323	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	60288	146.586	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.33	75	361	1.458	ug/l #	1

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

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Quant Time: Oct 31 03:50:06 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 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: VW006509.D

Acq: 30 Oct 2018 18:27

Instrument :

MSVOA_W

ClientSampled :

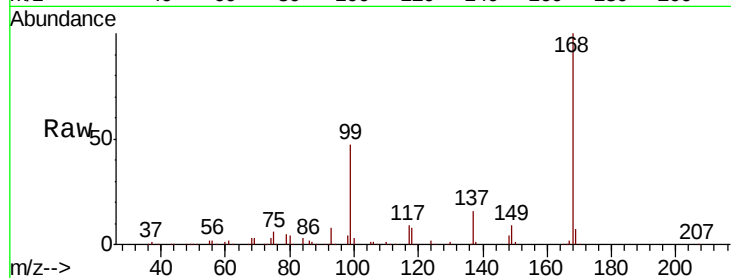
DL-01B

Tot Ion:168 Resp: 214442

Ion Ratio Lower Upper

168 100

99 47.4 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

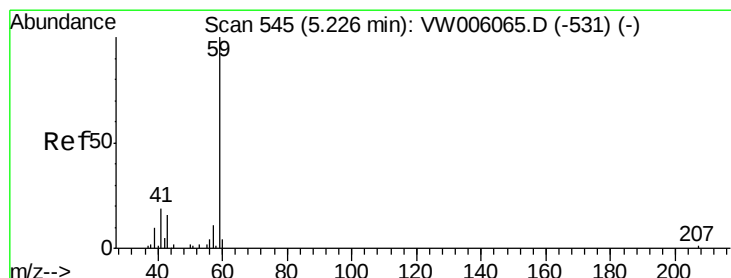
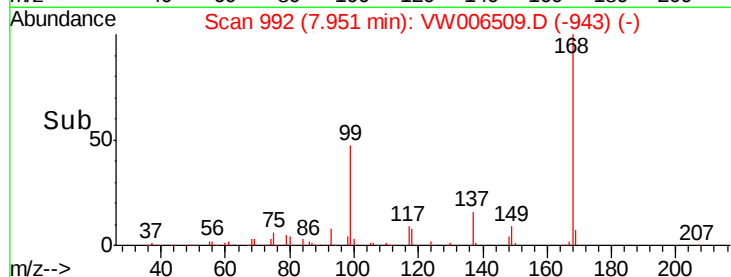
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.564 ug/l

RT: 5.23 min Scan# 546

Delta R.T. 0.01 min

Lab File: VW006509.D

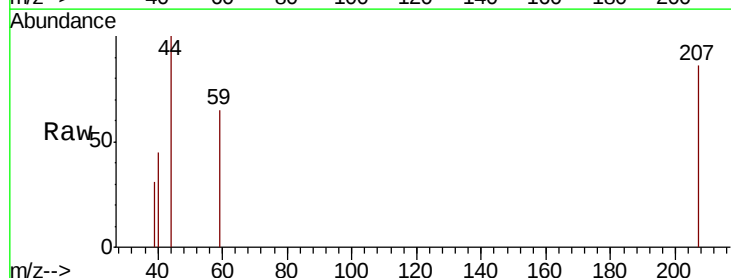
Acq: 30 Oct 2018 18:27

Tgt Ion: 59 Resp: 187

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

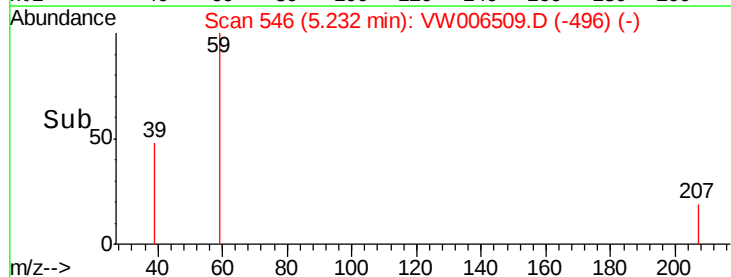
5.23

100

50

0

Time-->





#16

Acetone

Concen: Below Cal

RT: 4.15 min Scan# 368

Delta R.T. 0.00 min

Lab File: VW006509.D

Acq: 30 Oct 2018 18:27

Instrument :

MSVOA_W

ClientSampleId :

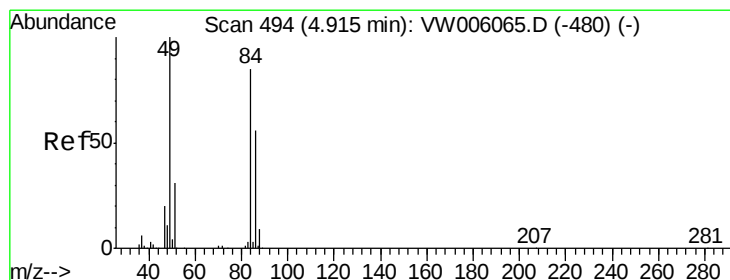
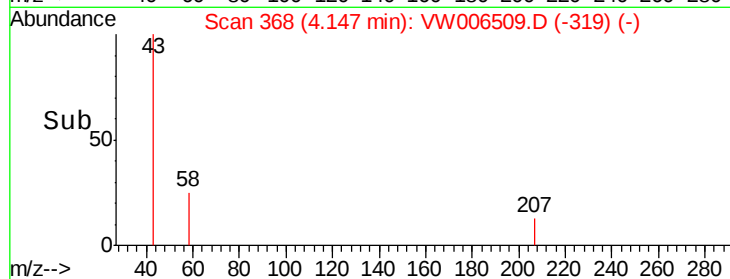
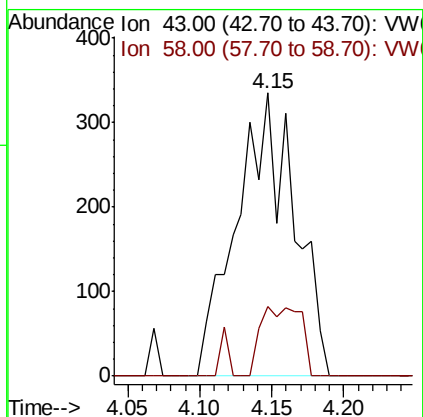
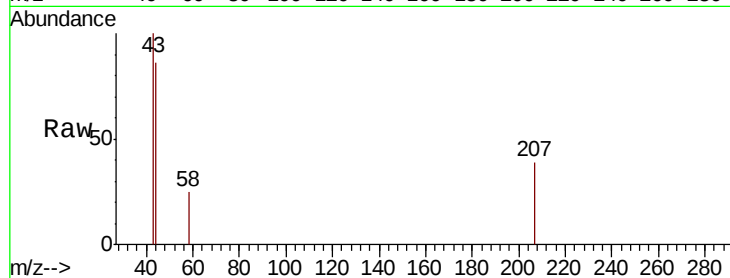
DL-01B

Tot Ion: 43 Resp: 932

Ion Ratio Lower Upper

43 100

58 24.8 24.0 36.0



#20

Methylene Chloride

Concen: 2.434 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW006509.D

Acq: 30 Oct 2018 18:27

Tgt Ion: 84 Resp: 7492

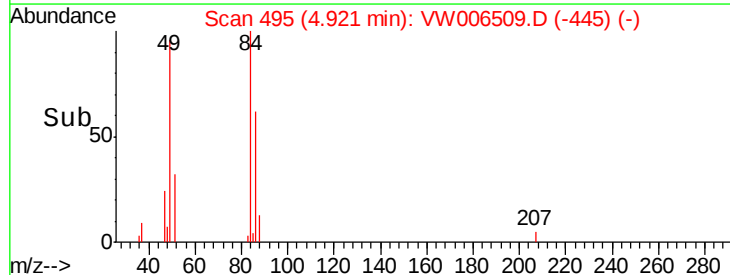
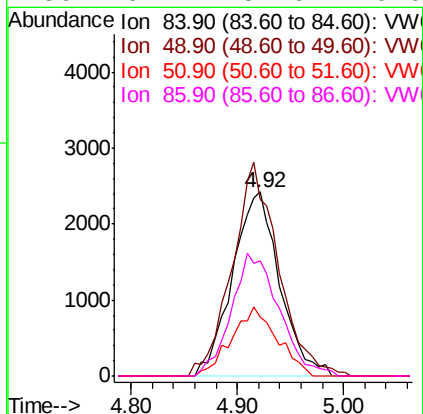
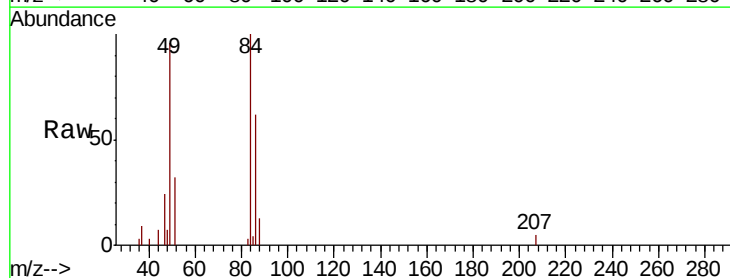
Ion Ratio Lower Upper

84 100

49 96.1 93.6 140.4

51 32.0 29.0 43.4

86 62.4 52.6 79.0





#25

2-Butanone

Concen: 1.476 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.04 min

Lab File: VW006509.D

Acq: 30 Oct 2018 18:27

Instrument :

MSVOA_W

ClientSampled :

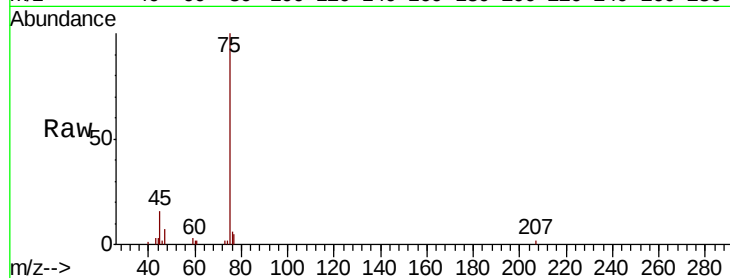
DL-01B

Tot Ion: 43 Resp: 709

Ion Ratio Lower Upper

43 100

72 0.0 22.8 34.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.14

250

200

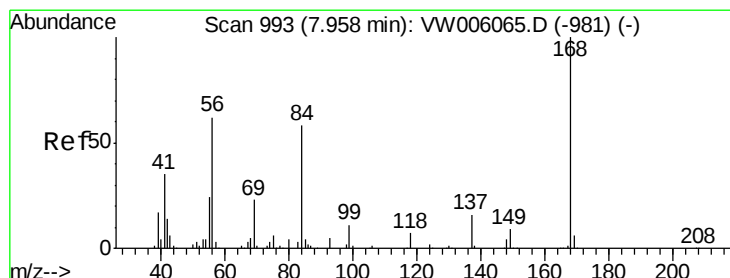
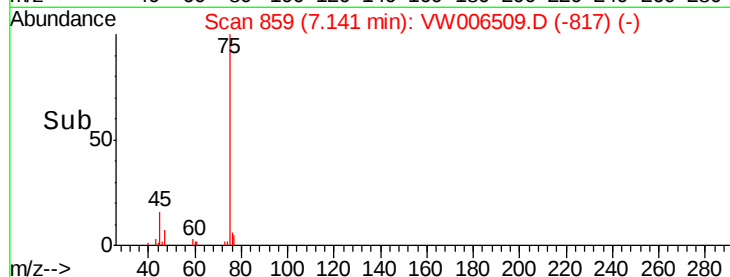
150

100

50

0

Time--> 7.05 7.10 7.15 7.20 7.25



#31

Cyclohexane

Concen: 1.086 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006509.D

Acq: 30 Oct 2018 18:27

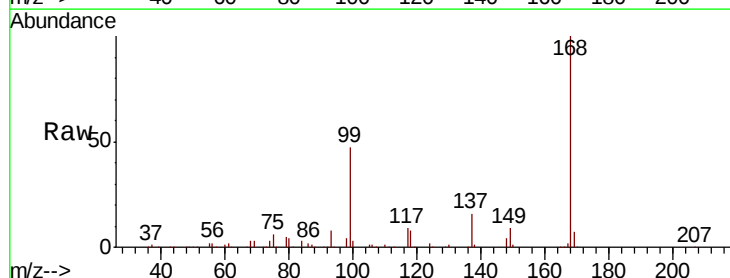
Tgt Ion: 56 Resp: 3534

Ion Ratio Lower Upper

56 100

69 151.5 29.4 44.0#

84 141.6 74.0 111.0#



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

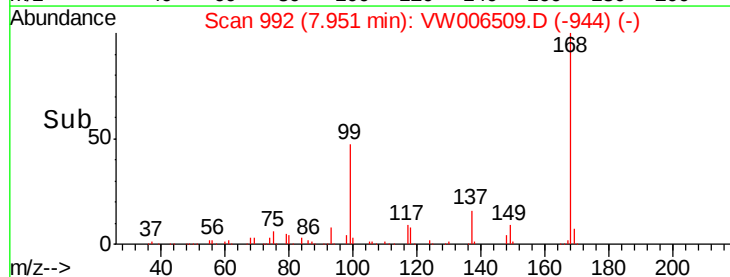
3000

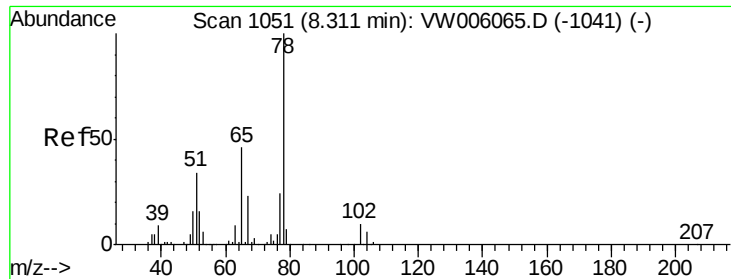
2000

1000

0

Time--> 7.90 7.95 8.00

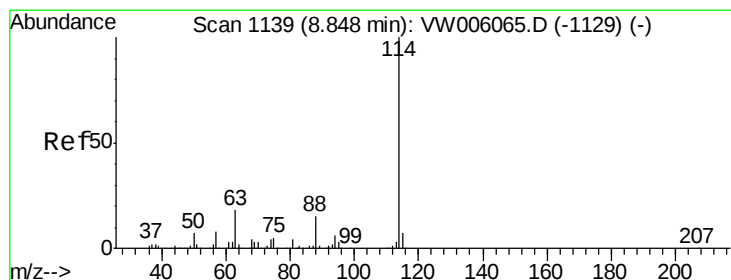
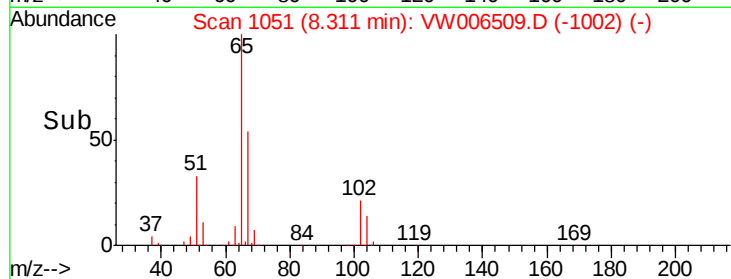
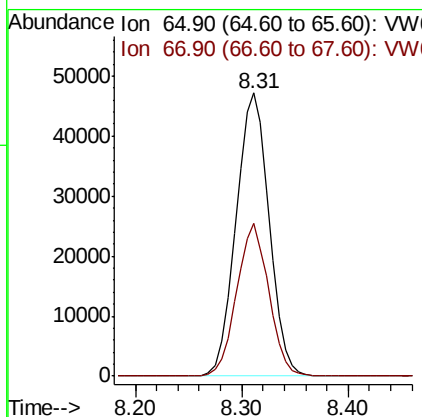
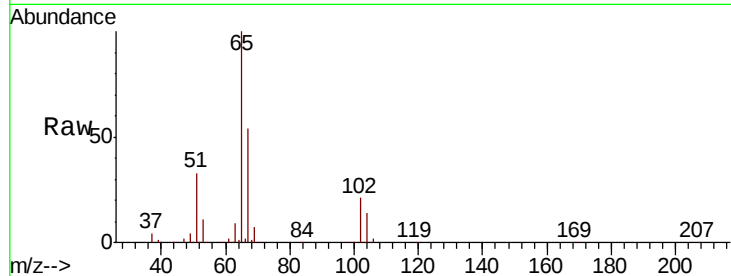




#33
 1,2-Dichloroethane-d4
 Concen: 57.904 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW006509.D
 Acq: 30 Oct 2018 18:27

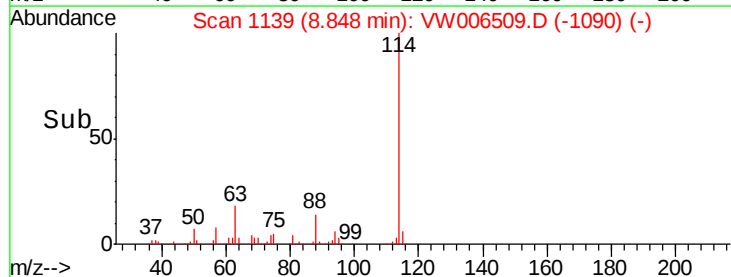
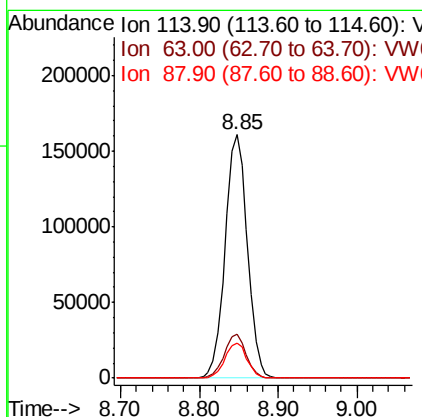
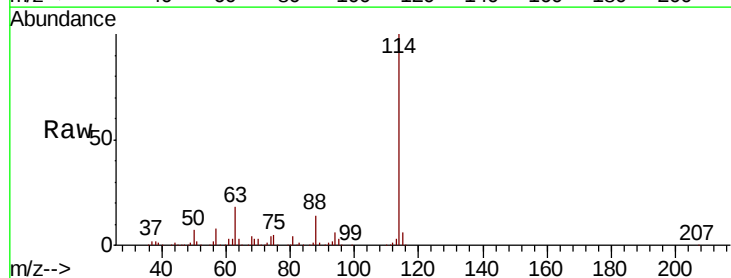
Instrument :
 MSVOA_W
 ClientSampled :
 DL-01B

Tot Ion: 65 Resp: 102944
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW006509.D
 Acq: 30 Oct 2018 18:27

Tgt Ion: 114 Resp: 314744
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 36.8
 88 14.1 0.0 29.0





#35

Dibromofluoromethane

Concen: 56.625 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW006509.D

Acq: 30 Oct 2018 18:27

Instrument :

MSVOA_W

ClientSampleId :

DL-01B

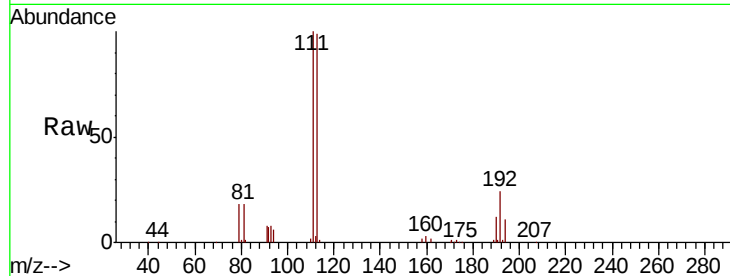
Tot Ion:113 Resp: 105312

Ion Ratio Lower Upper

113 100

111 100.2 81.4 122.0

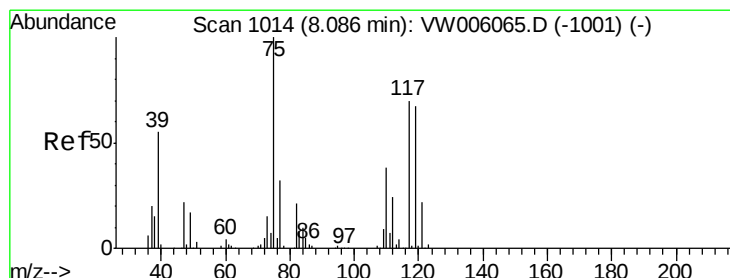
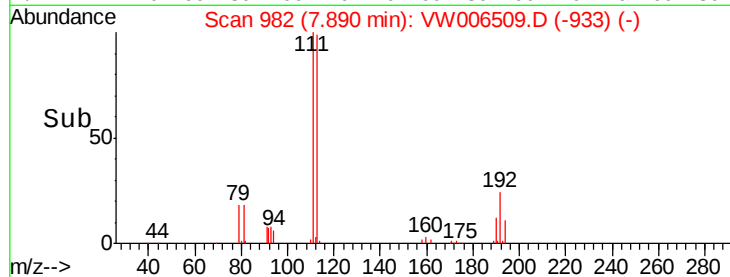
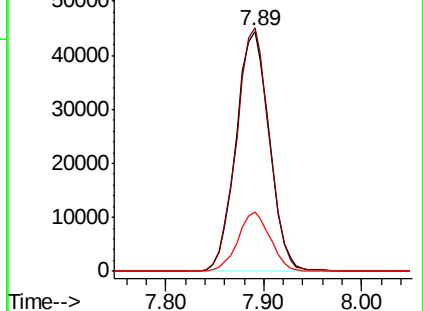
192 23.8 18.7 28.1



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: 4.681 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW006509.D

Acq: 30 Oct 2018 18:27

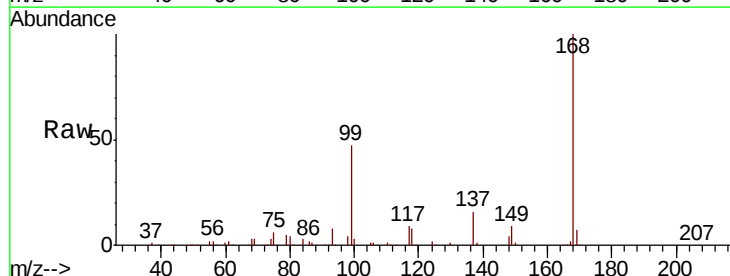
Tgt Ion: 75 Resp: 13580

Ion Ratio Lower Upper

75 100

110 8.9 19.1 57.1#

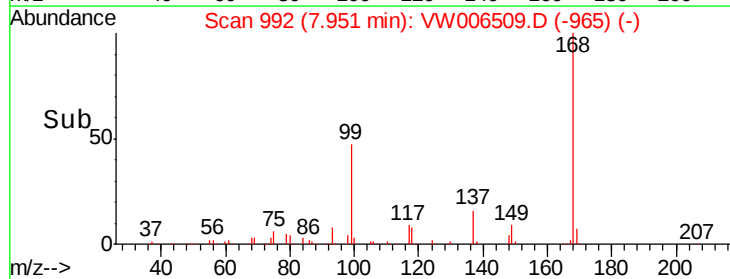
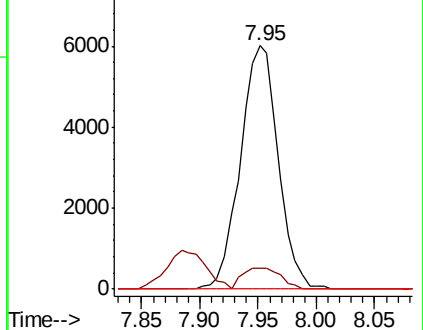
77 0.0 25.0 37.4#

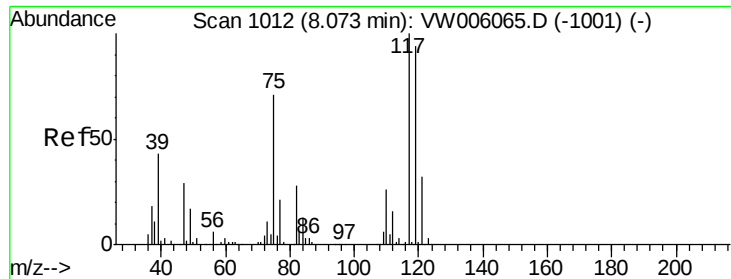


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

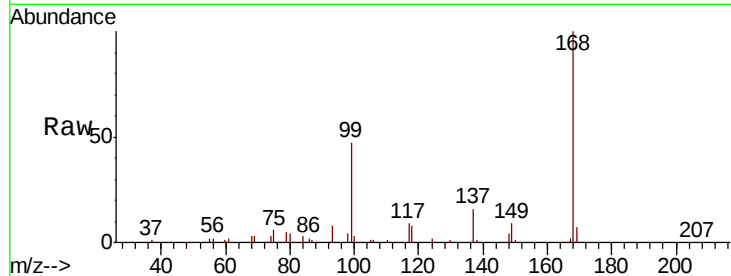




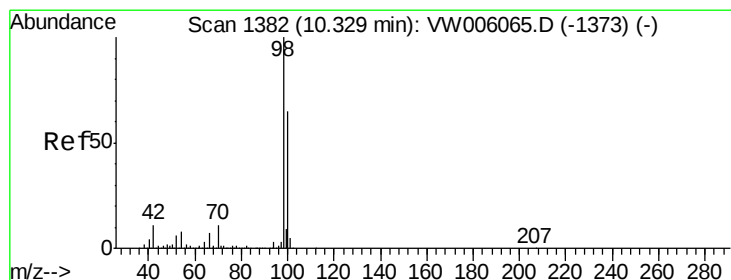
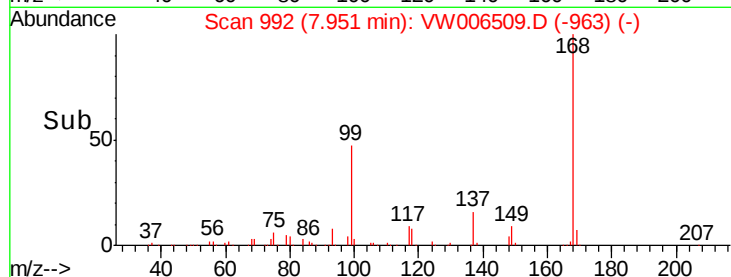
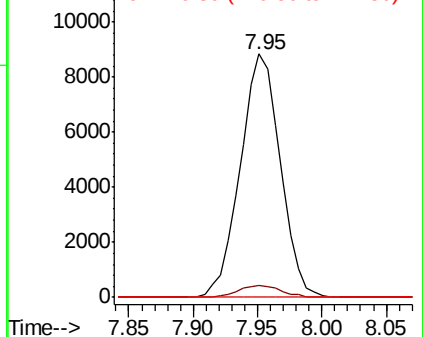
#38
Carbon Tetrachloride
Concen: 5.957 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW006509.D
Acq: 30 Oct 2018 18:27

Instrument :
MSVOA_W
ClientSampleId :
DL-01B

Tot Ion:117 Resp: 18946
Ion Ratio Lower Upper
117 100
119 4.7 75.2 112.8#
121 0.0 25.3 37.9#

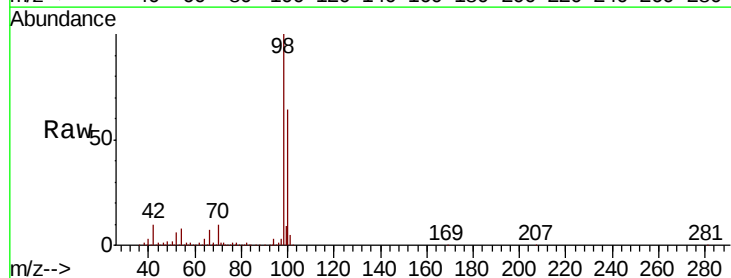


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

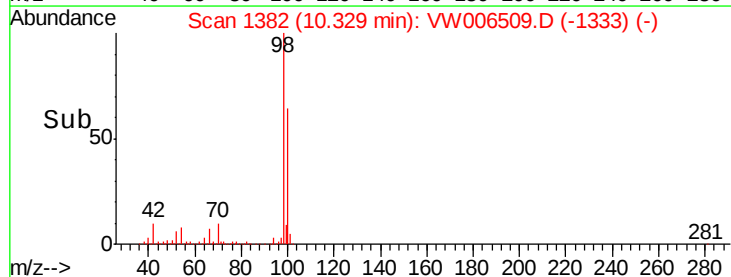
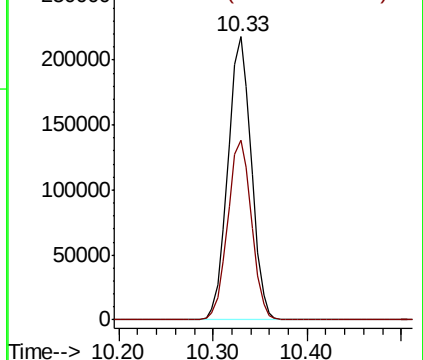


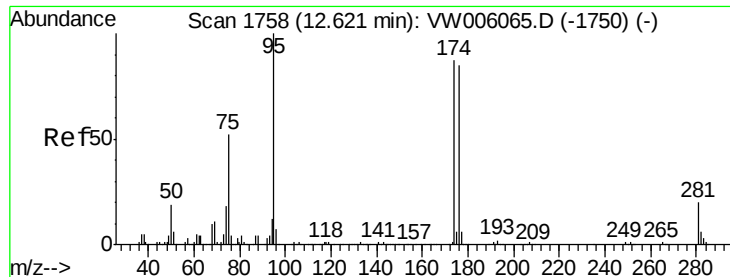
#50
Toluene-d8
Concen: 53.127 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW006509.D
Acq: 30 Oct 2018 18:27

Tgt Ion: 98 Resp: 375909
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4



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





#62

4-Bromofluorobenzene

Concen: 45.279 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006509.D

Acq: 30 Oct 2018 18:27

Instrument :

MSVOA_W

ClientSampleId :

DL-01B

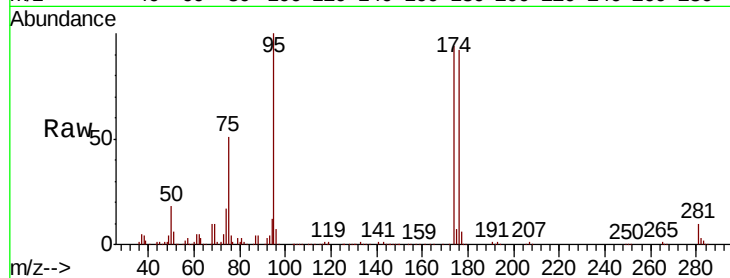
Tot Ion: 95 Resp: 120331

Ion Ratio Lower Upper

95 100

174 98.1 0.0 186.0

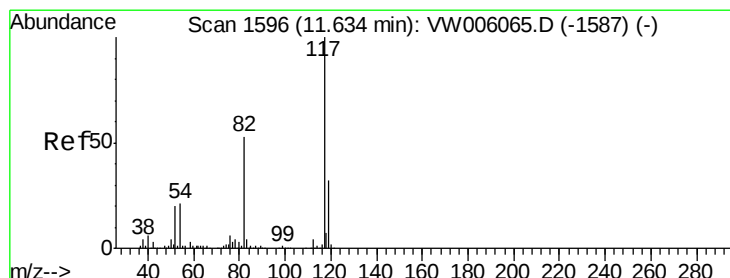
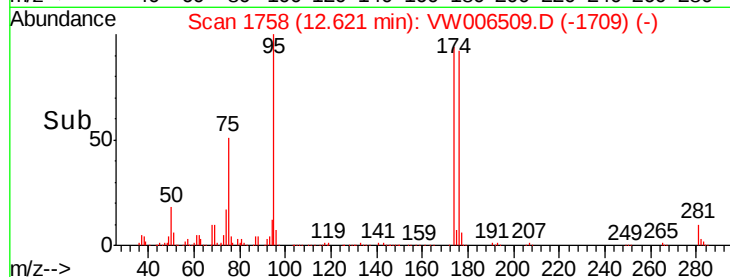
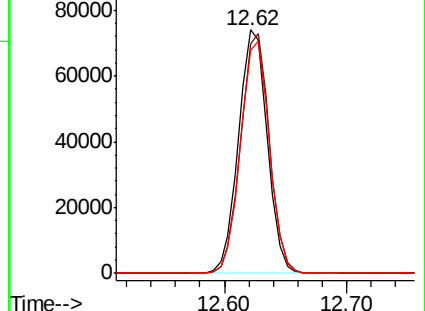
176 95.9 0.0 181.6



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: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW006509.D

Acq: 30 Oct 2018 18:27

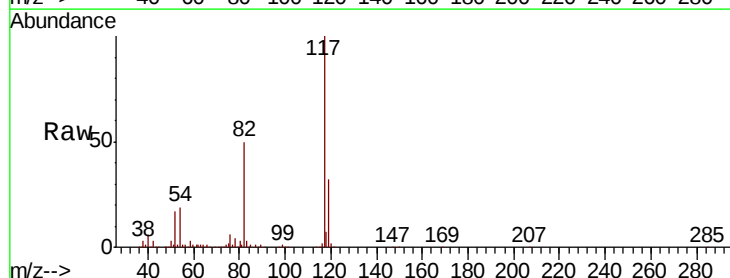
Tgt Ion: 117 Resp: 274879

Ion Ratio Lower Upper

117 100

82 50.5 42.1 63.1

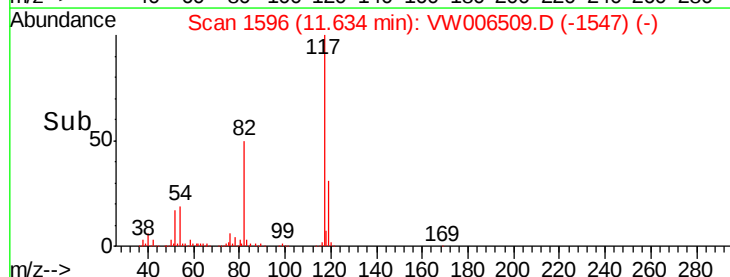
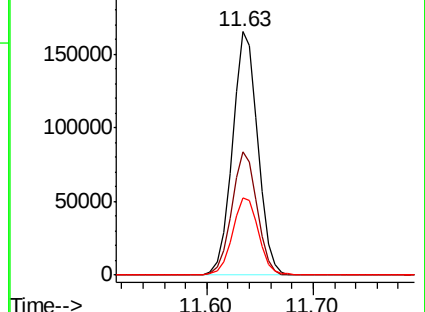
119 31.4 25.8 38.6

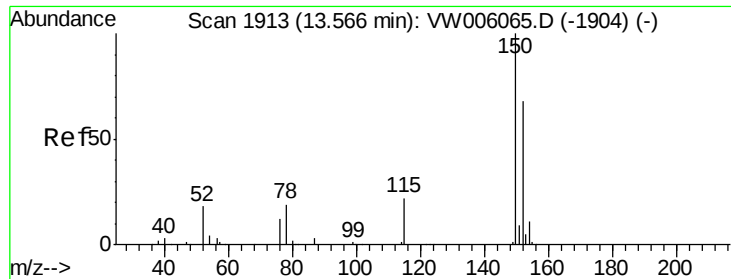


Abundance Ion 116.90 (116.60 to 117.60): VW

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: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW006509.D

Acq: 30 Oct 2018 18:27

Instrument :

MSVOA_W

ClientSampleId :

DL-01B

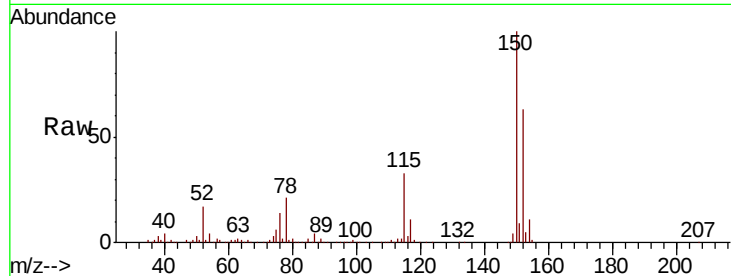
Tot Ion:152 Resp: 128714

Ion Ratio Lower Upper

152 100

115 53.5 27.8 83.3

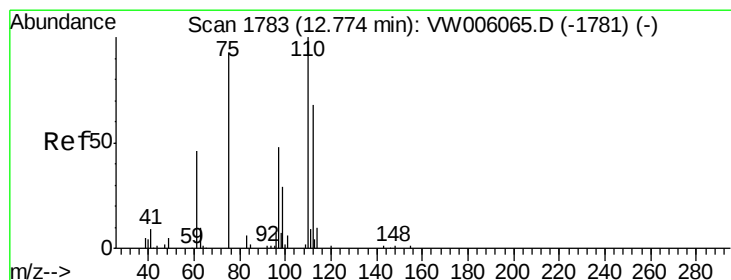
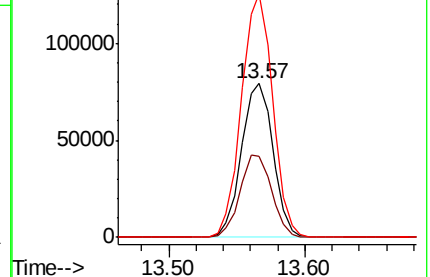
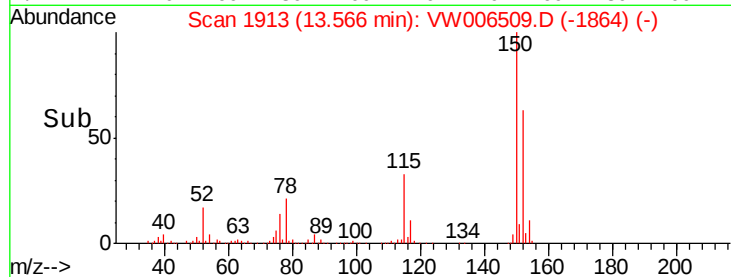
150 156.1 0.0 349.2



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: 61.323 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006509.D

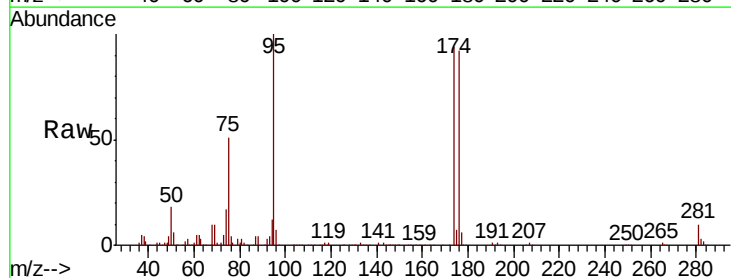
Acq: 30 Oct 2018 18:27

Tgt Ion: 75 Resp: 60288

Ion Ratio Lower Upper

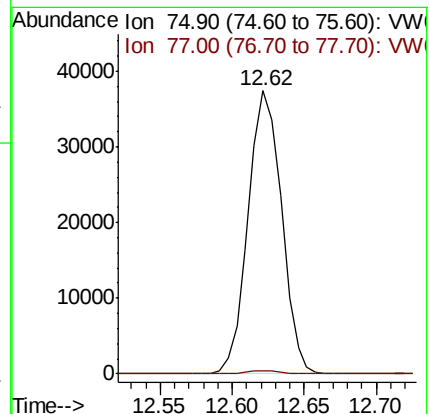
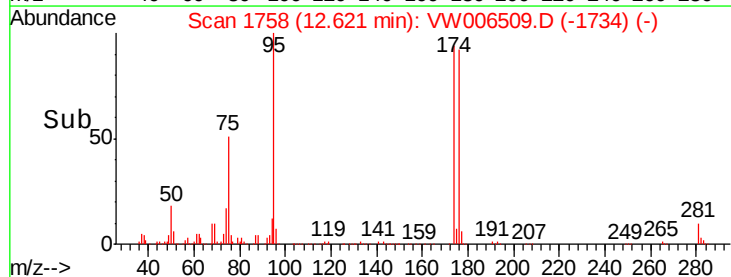
75 100

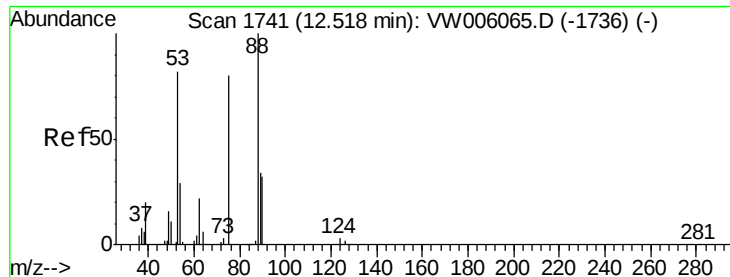
77 1.1 0.0 0.0#



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: 146.586 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006509.D

Acq: 30 Oct 2018 18:27

Instrument :

MSVOA_W

ClientSampleId :

DL-01B

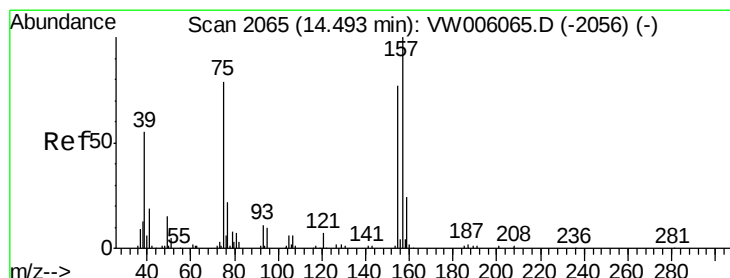
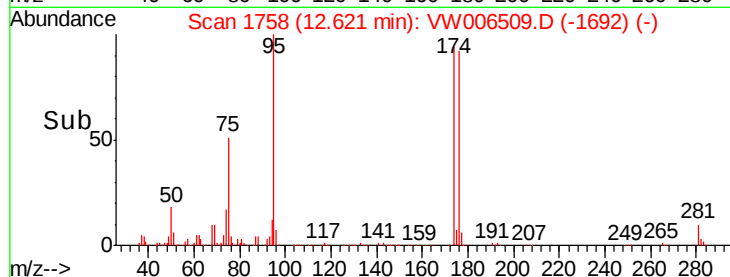
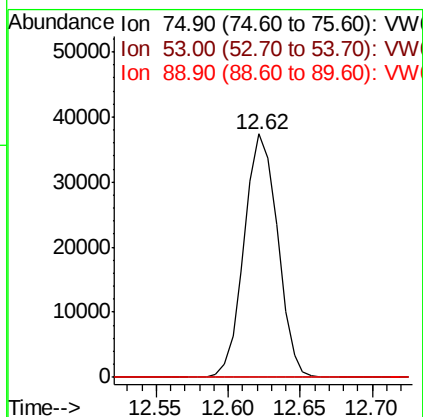
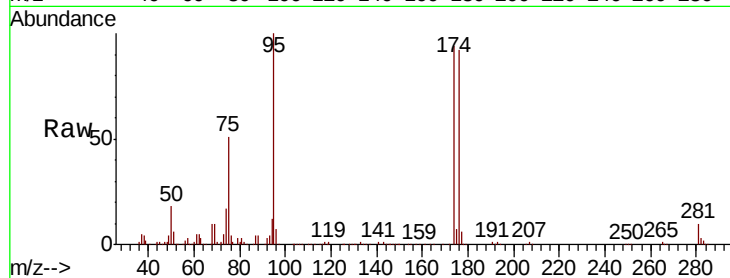
Tot Ion: 75 Resp: 60288

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.1 37.5 56.3#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.458 ug/l

RT: 14.33 min Scan# 2039

Delta R.T. -0.16 min

Lab File: VW006509.D

Acq: 30 Oct 2018 18:27

Tgt Ion: 75 Resp: 361

Ion Ratio Lower Upper

75 100

155 0.0 46.5 139.5#

157 0.0 59.8 179.4#

