

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102518\
 Data File : VW006345.D
 Acq On : 25 Oct 2018 04:55
 Operator : SY/AP
 Sample : J5198-29RE
 Misc : 5.86G/5ML/MSVOA W/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CL-01-102318-ERE

Quant Time: Oct 25 06:12:28 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

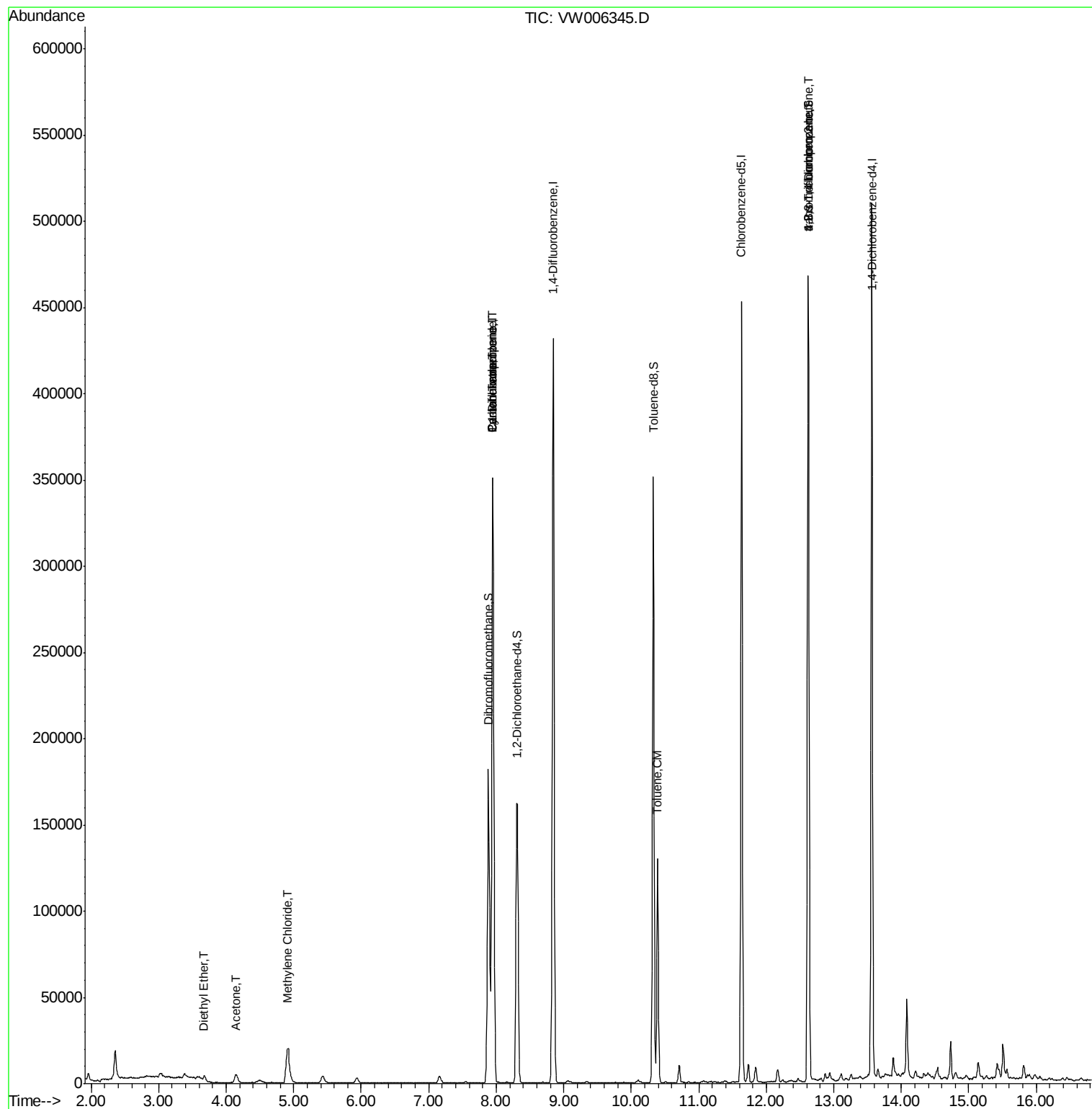
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	289468	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	389829	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	263604	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	144223	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	130295	54.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.58%	
35) Dibromofluoromethane	7.88	113	125184	54.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.70%	
50) Toluene-d8	10.32	98	247665	28.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	56.52%	
62) 4-Bromofluorobenzene	12.62	95	137043	41.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.28%	
Target Compounds						
8) Diethyl Ether	3.67	74	2259	1.733	ug/l	80
16) Acetone	4.14	43	10184	8.308	ug/l	92
20) Methylene Chloride	4.91	84	18350	5.787	ug/l	94
31) Cyclohexane	7.95	56	5389	1.227	ug/l #	15
36) 1,1-Dichloropropene	7.95	75	18415	5.125	ug/l #	49
38) Carbon Tetrachloride	7.95	117	25616	6.503	ug/l #	17
52) Toluene	10.39	92	55147	8.346	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	69544	63.131	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	69544	150.908	ug/l #	10

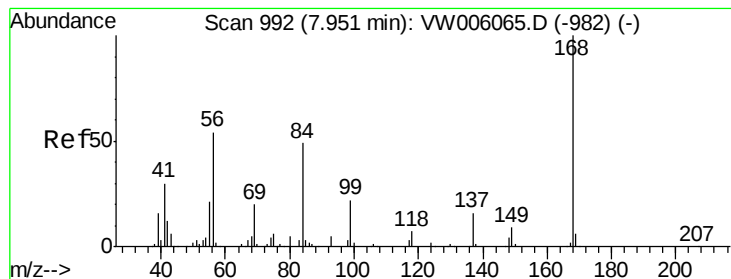
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 25 06:12:28 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: VW006345.D

Acq: 25 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

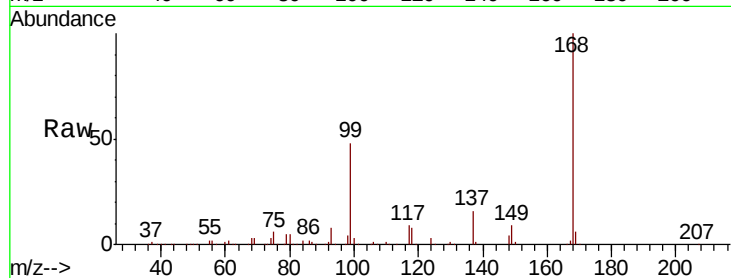
CL-01-102318-ERE

Tot Ion:168 Resp: 289468

Ion Ratio Lower Upper

168 100

99 48.0 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

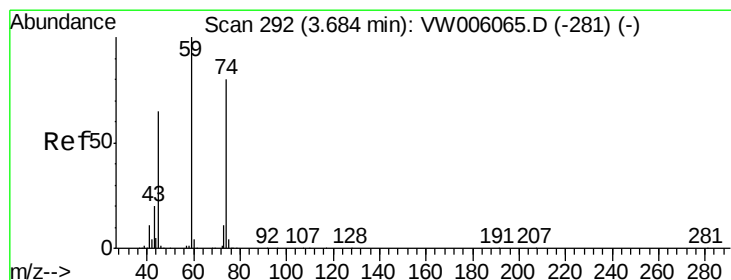
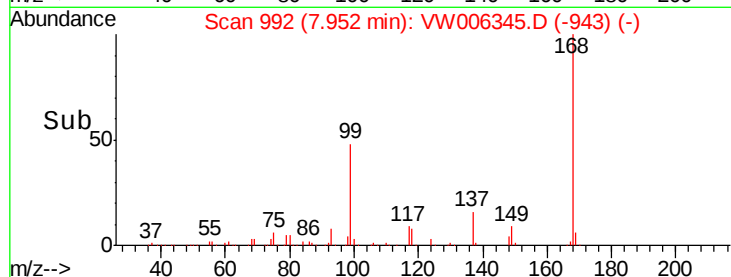
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.733 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW006345.D

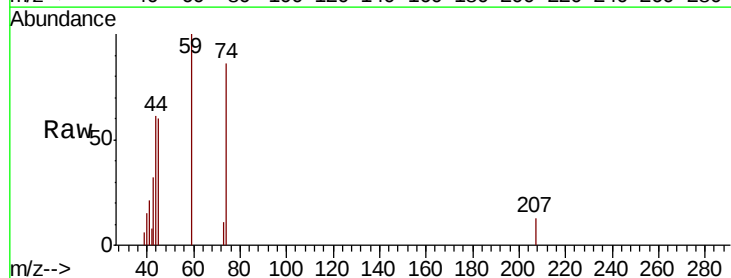
Acq: 25 Oct 2018 04:55

Tgt Ion: 74 Resp: 2259

Ion Ratio Lower Upper

74 100

45 103.7 42.8 128.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

1000

800

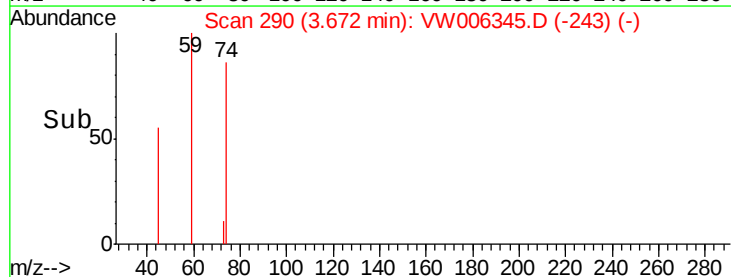
600

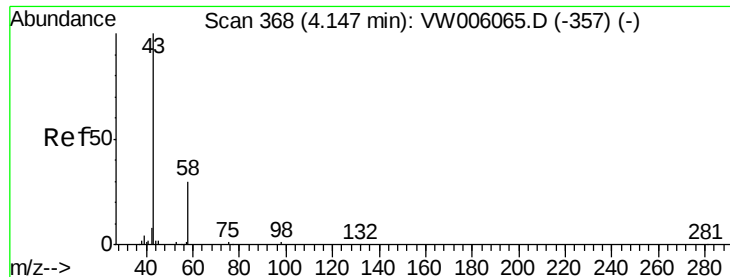
400

200

0

Time-->





#16

Acetone

Concen: 8.308 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW006345.D

Acq: 25 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

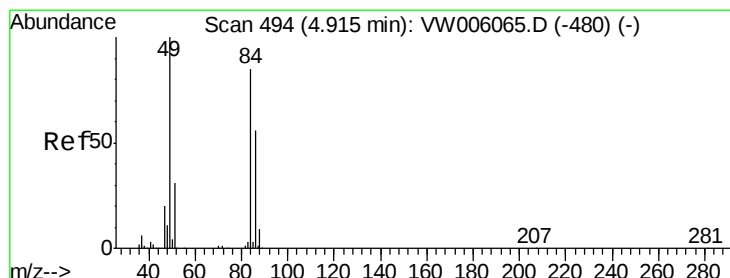
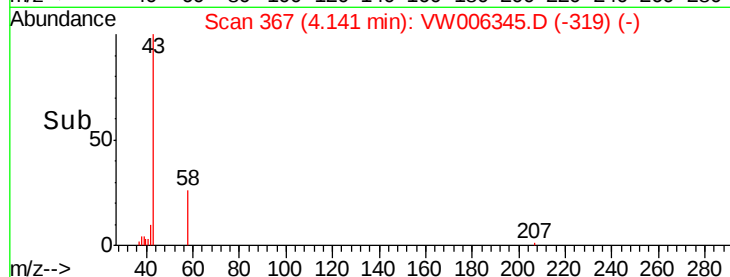
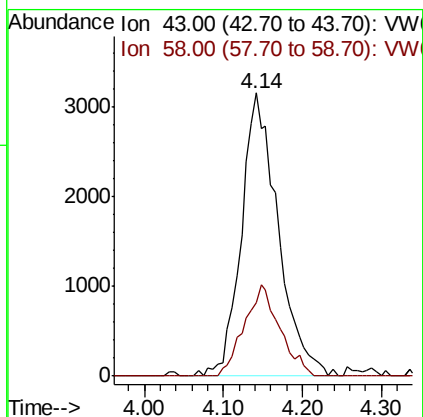
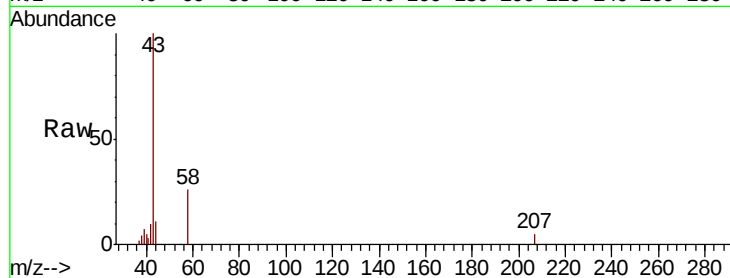
CL-01-102318-ERE

Tot Ion: 43 Resp: 10184

Ion Ratio Lower Upper

43 100

58 25.8 24.0 36.0



#20

Methylene Chloride

Concen: 5.787 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW006345.D

Acq: 25 Oct 2018 04:55

Tgt Ion: 84 Resp: 18350

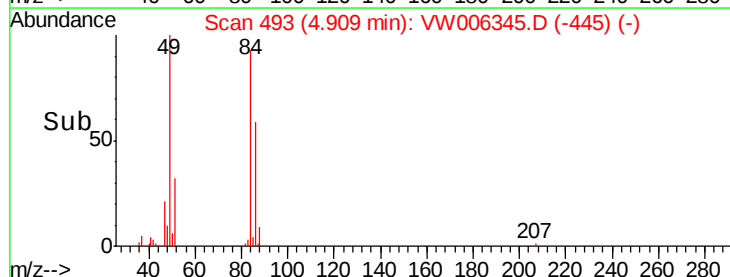
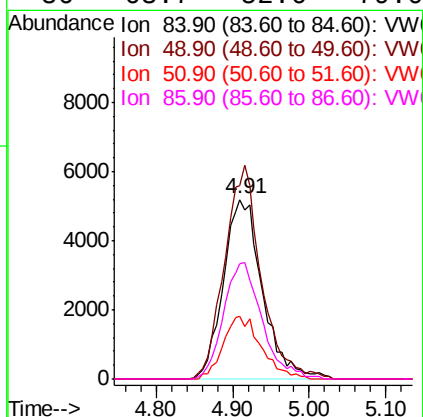
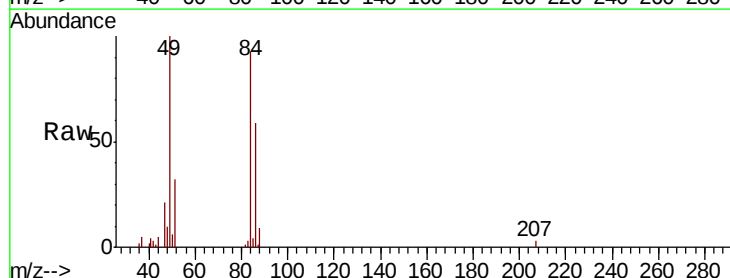
Ion Ratio Lower Upper

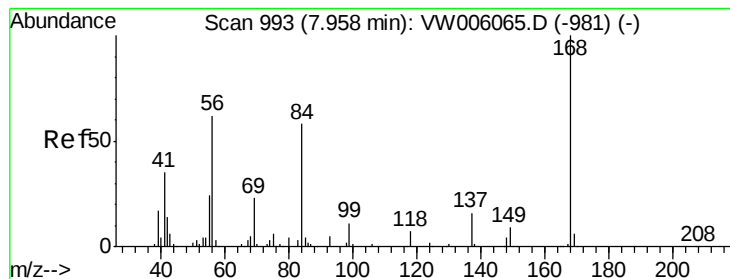
84 100

49 107.4 93.6 140.4

51 34.8 29.0 43.4

86 63.7 52.6 79.0





#31

Cyclohexane

Concen: 1.227 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW006345.D

Acq: 25 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

CL-01-102318-ERE

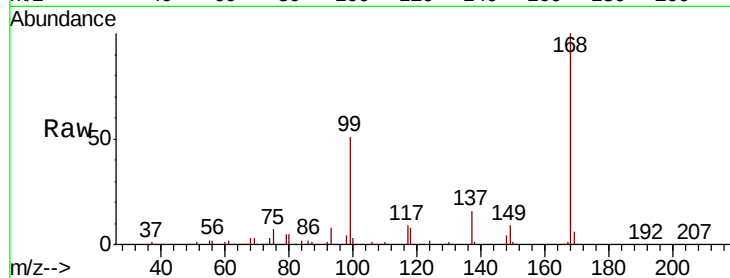
Tot Ion: 56 Resp: 5389

Ion Ratio Lower Upper

56 100

69 163.6 29.4 44.0#

84 125.1 74.0 111.0#

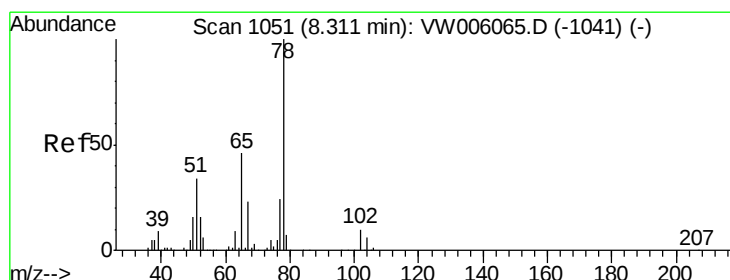
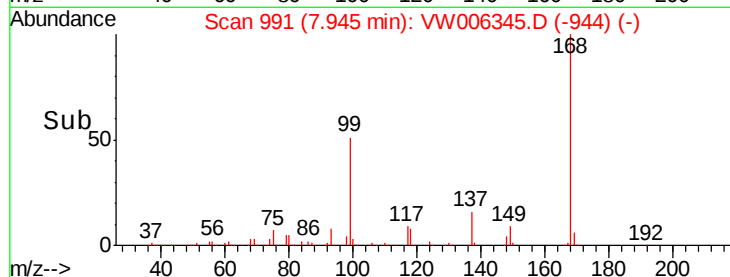
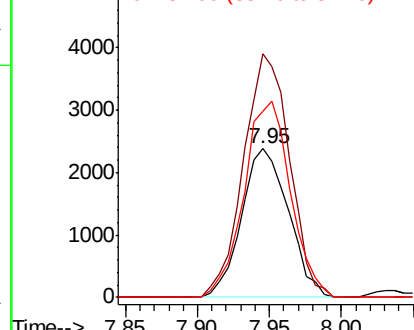


Abundance

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



#33

1,2-Dichloroethane-d4

Concen: 54.293 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW006345.D

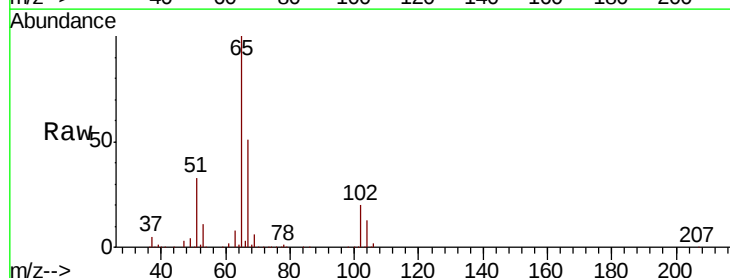
Acq: 25 Oct 2018 04:55

Tgt Ion: 65 Resp: 130295

Ion Ratio Lower Upper

65 100

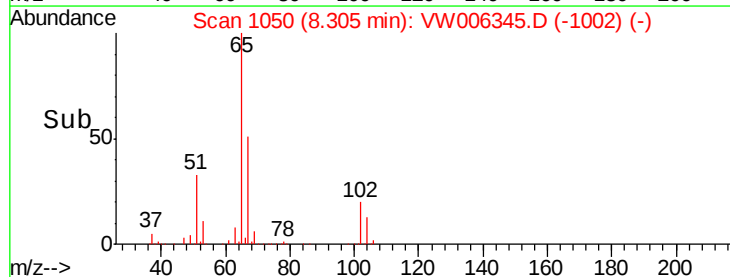
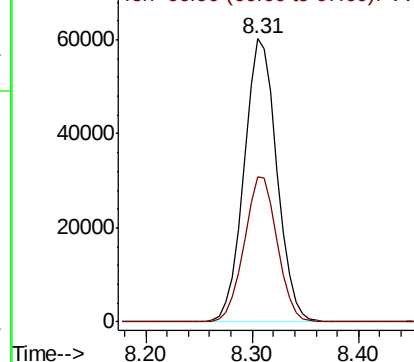
67 51.6 0.0 101.0

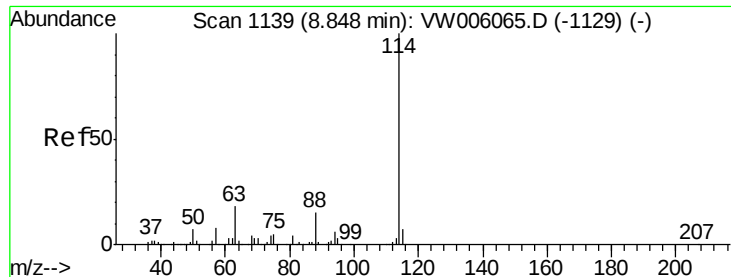


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

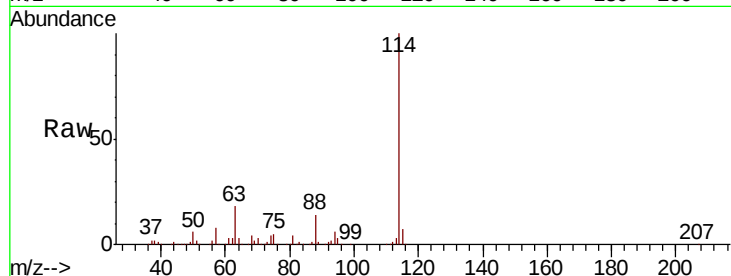




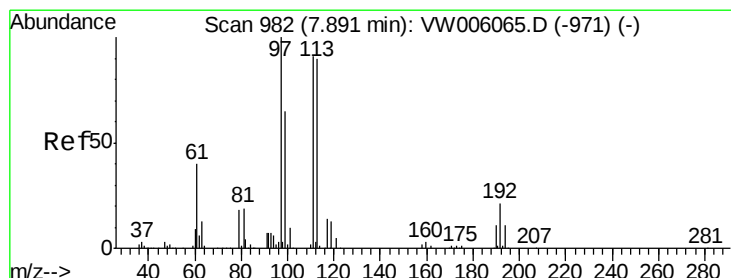
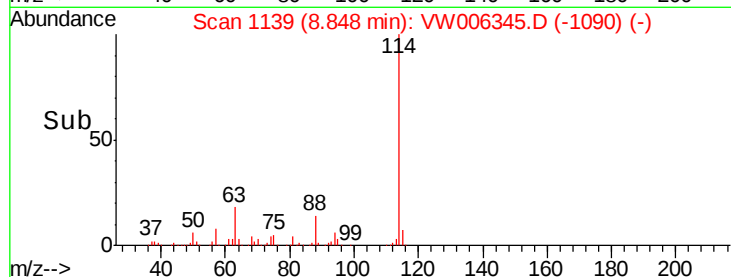
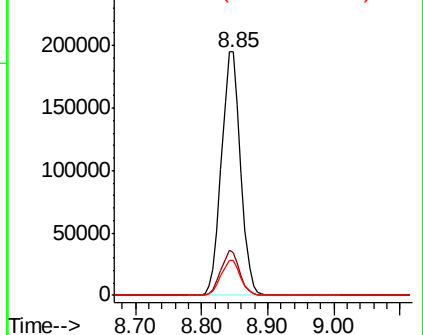
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006345.D
 Acq: 25 Oct 2018 04:55

Instrument :
 MSVOA_W
 ClientSampleId :
 CL-01-102318-ERE

Tot Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	36.8
88	14.5	0.0	29.0

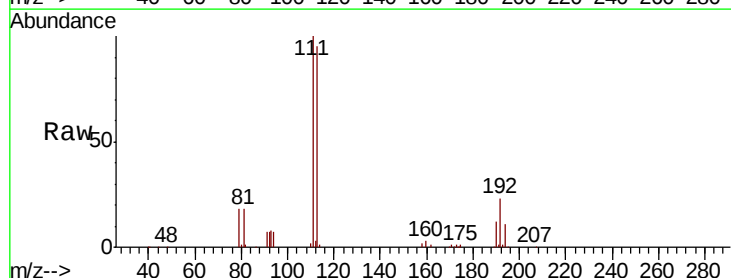


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

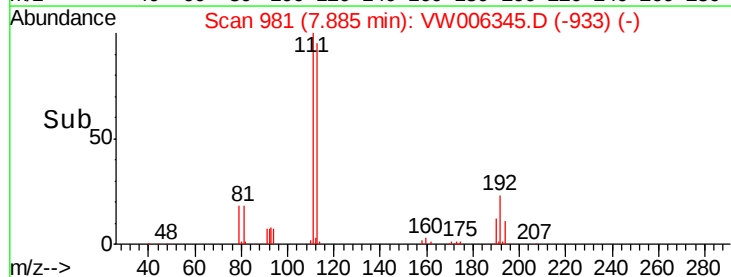
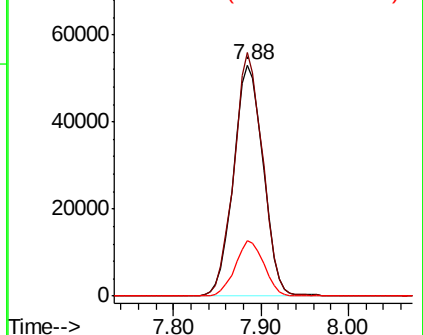


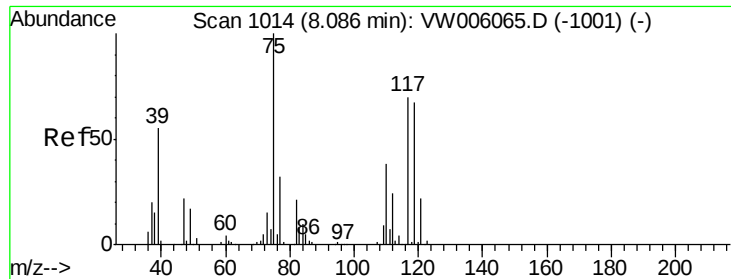
#35
 Dibromofluoromethane
 Concen: 54.346 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006345.D
 Acq: 25 Oct 2018 04:55

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.4	122.0
192	23.5	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

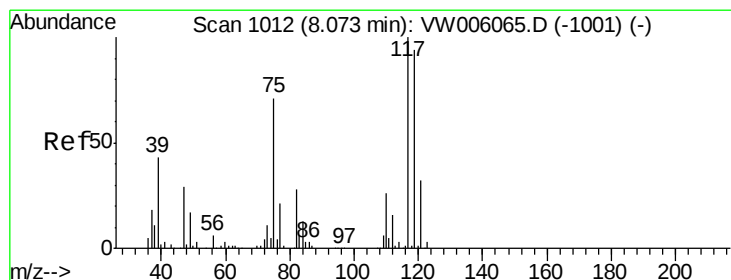
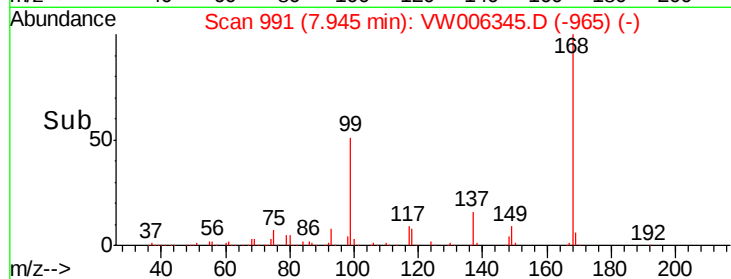
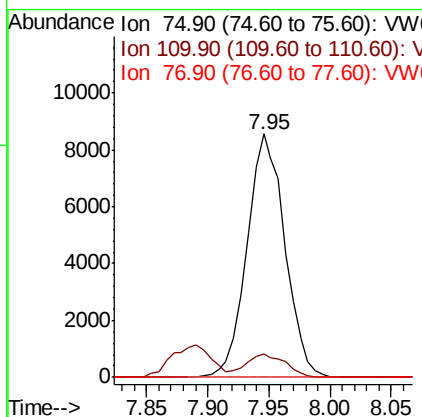
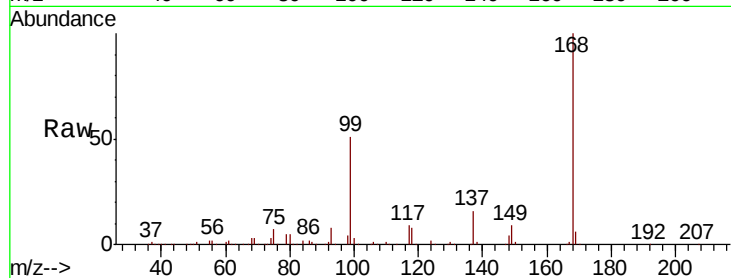




#36
 1,1-Dichloropropene
 Concen: 5.125 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW006345.D
 Acq: 25 Oct 2018 04:55

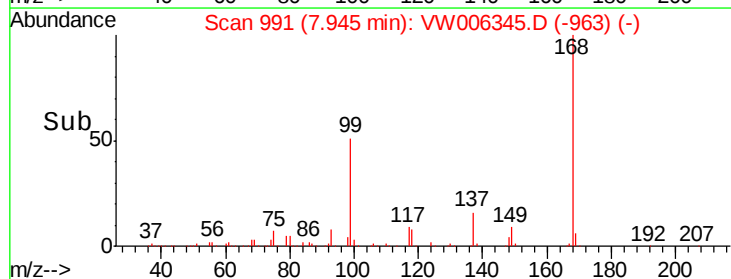
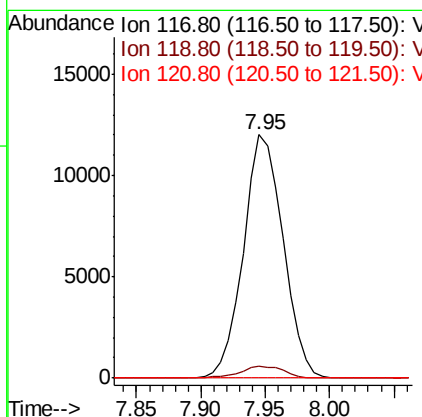
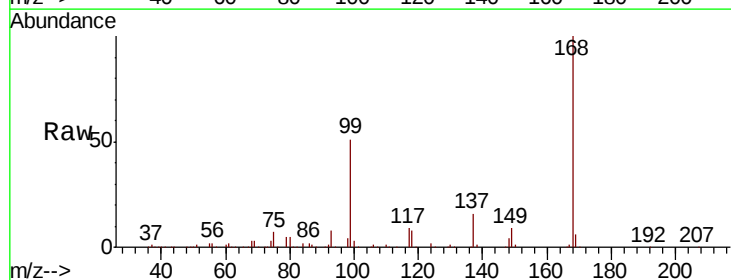
Instrument :
 MSVOA_W
 ClientSampleId :
 CL-01-102318-ERE

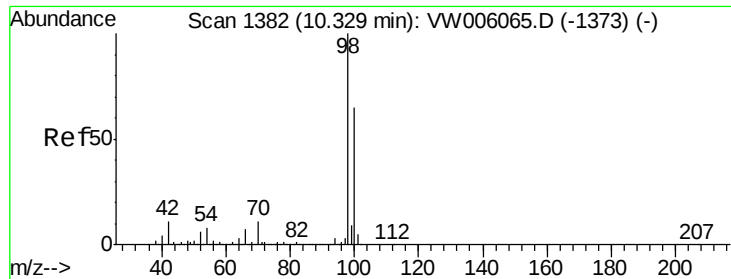
Tot Ion: 75 Resp: 18415
 Ion Ratio Lower Upper
 75 100
 110 10.1 19.1 57.1#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.503 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW006345.D
 Acq: 25 Oct 2018 04:55

Tgt Ion: 117 Resp: 25616
 Ion Ratio Lower Upper
 117 100
 119 5.0 75.2 112.8#
 121 0.0 25.3 37.9#





#50

Toluene-d8

Concen: 28.261 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW006345.D

Acq: 25 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

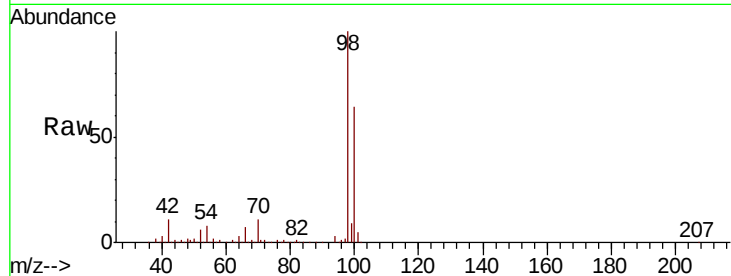
CL-01-102318-ERE

Tot Ion: 98 Resp: 247665

Ion Ratio Lower Upper

98 100

100 63.6 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

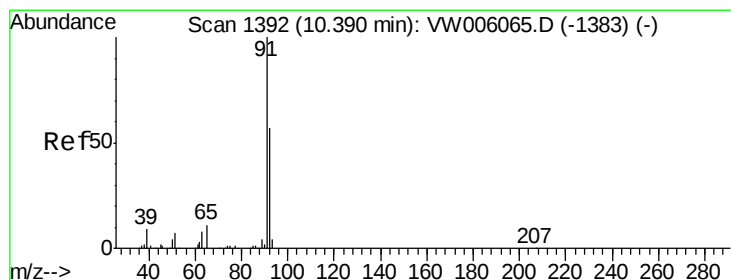
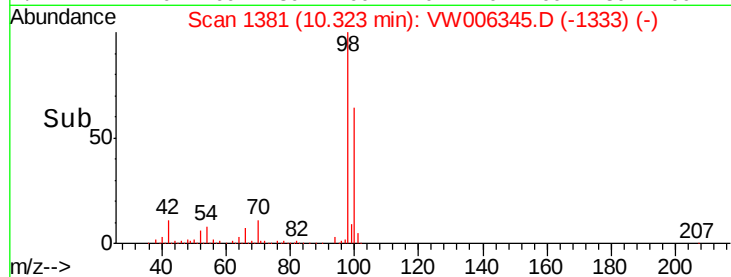
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 8.346 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006345.D

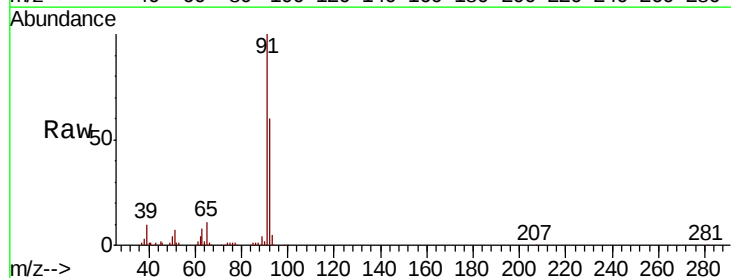
Acq: 25 Oct 2018 04:55

Tgt Ion: 92 Resp: 55147

Ion Ratio Lower Upper

92 100

91 172.3 140.0 210.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

60000

50000

40000

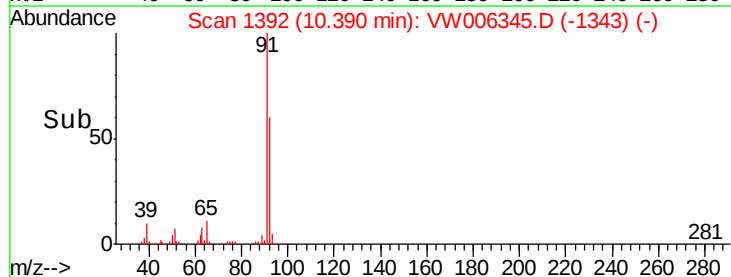
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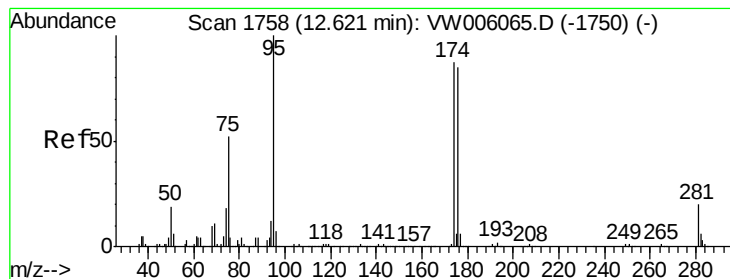
20000

10000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 41.635 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006345.D

Acq: 25 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

CL-01-102318-ERE

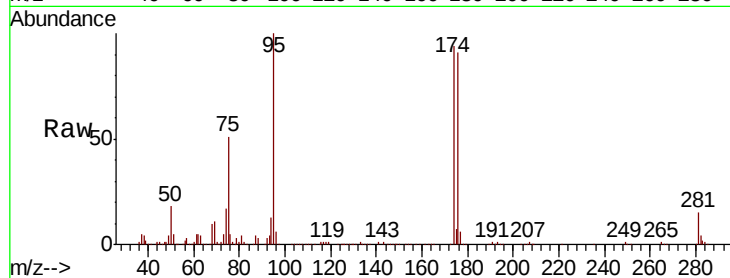
Tot Ion: 95 Resp: 137043

Ion Ratio Lower Upper

95 100

174 95.0 0.0 186.0

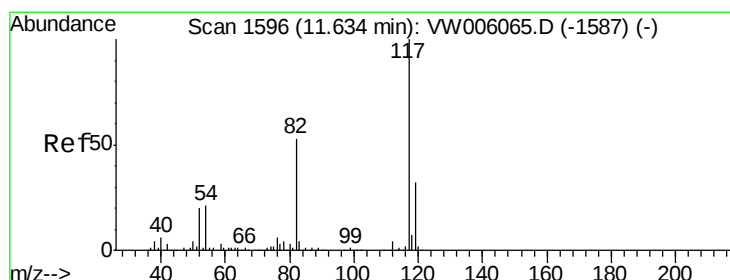
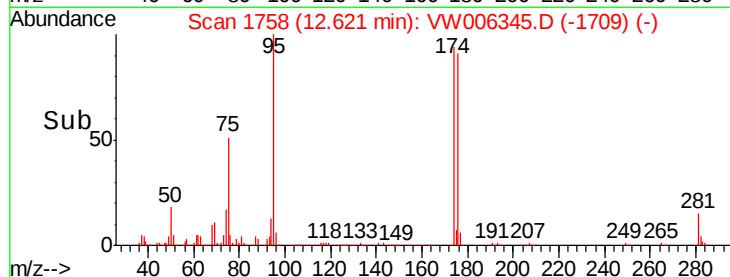
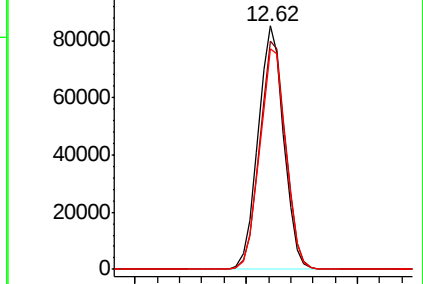
176 92.4 0.0 181.6



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: VW006345.D

Acq: 25 Oct 2018 04:55

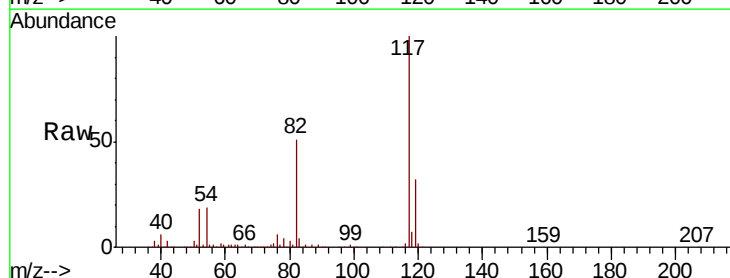
Tgt Ion: 117 Resp: 263604

Ion Ratio Lower Upper

117 100

82 51.5 42.1 63.1

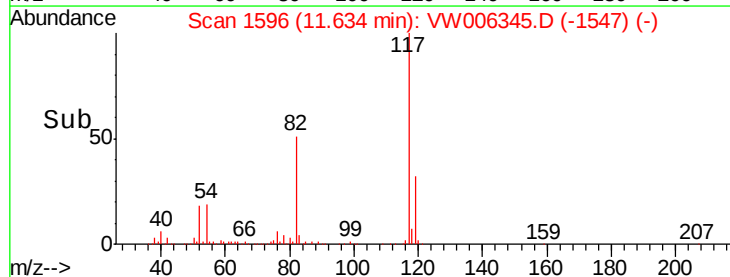
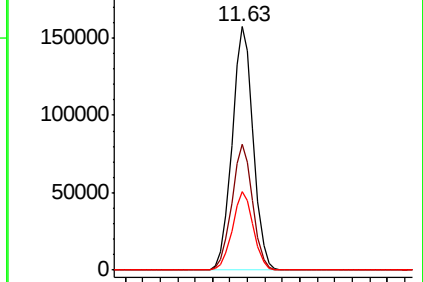
119 32.4 25.8 38.6

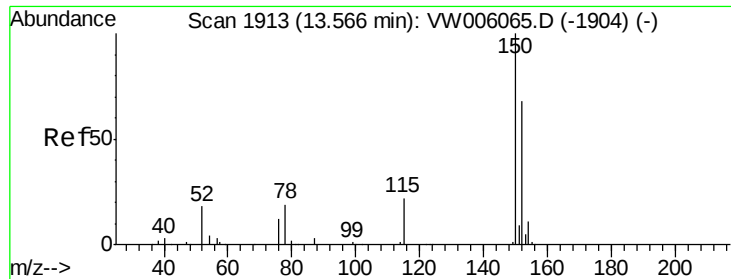


Abundance Ion 116.90 (116.60 to 117.60): VW

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: 13.56 min Scan# 1912

Delta R.T. -0.01 min

Lab File: VW006345.D

Acq: 25 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

CL-01-102318-ERE

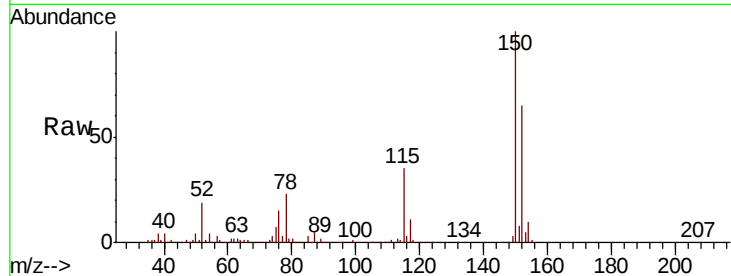
Tot Ion:152 Resp: 144223

Ion Ratio Lower Upper

152 100

115 54.2 27.8 83.3

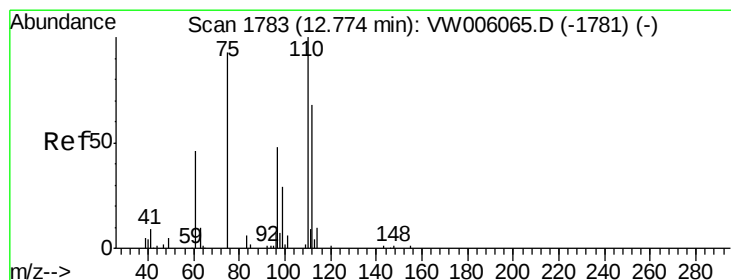
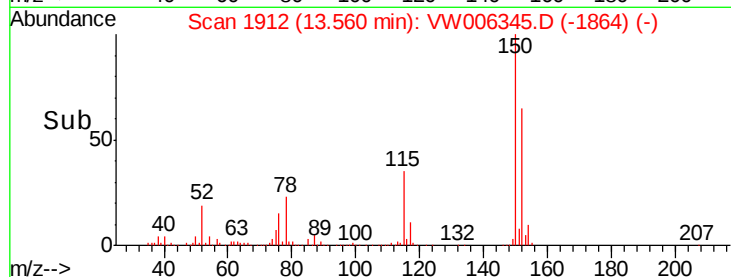
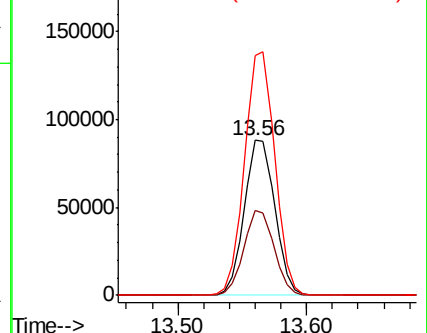
150 155.6 0.0 349.2



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: 63.131 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006345.D

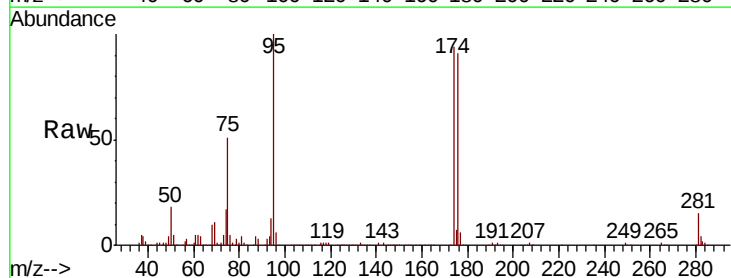
Acq: 25 Oct 2018 04:55

Tgt Ion: 75 Resp: 69544

Ion Ratio Lower Upper

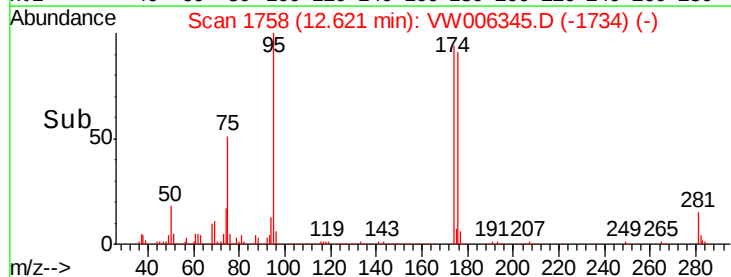
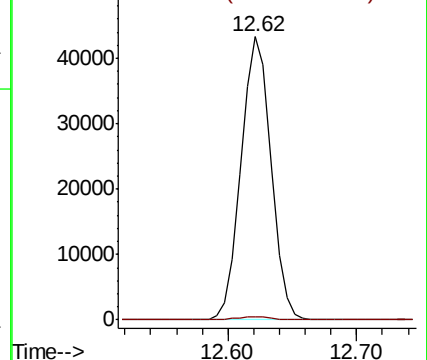
75 100

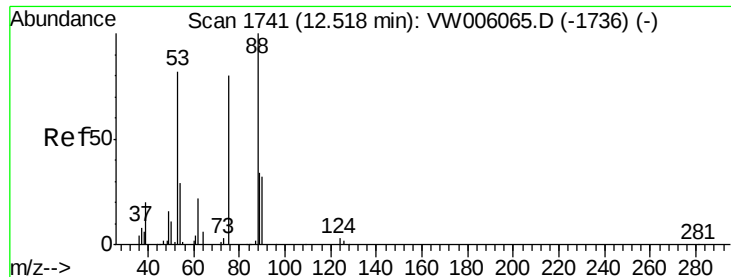
77 1.5 0.0 0.0#



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: 150.908 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006345.D

Acq: 25 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

CL-01-102318-ERE

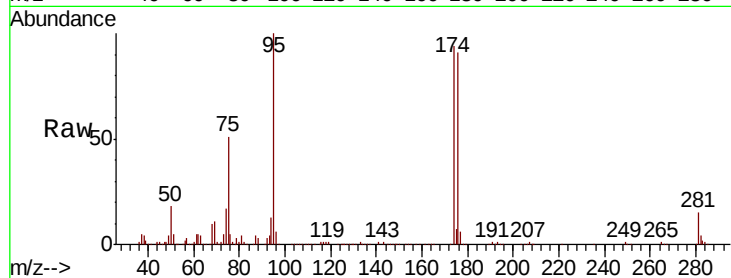
Tot Ion: 75 Resp: 69544

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.0 37.5 56.3#



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

