

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101618\
 Data File : VW006081.D
 Acq On : 16 Oct 2018 16:18
 Operator : VA/AP
 Sample : J5526-03
 Misc : 8.09G/5ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-4B-G-101518-3

Quant Time: Oct 16 17:52:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 05:36:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	295487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	431858	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	392744	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	201354	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	105226	42.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.90%	
35) Dibromofluoromethane	7.89	113	104968	41.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.26%	
50) Toluene-d8	10.33	98	389299	40.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.20%	
62) 4-Bromofluorobenzene	12.62	95	141714	38.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.72%	

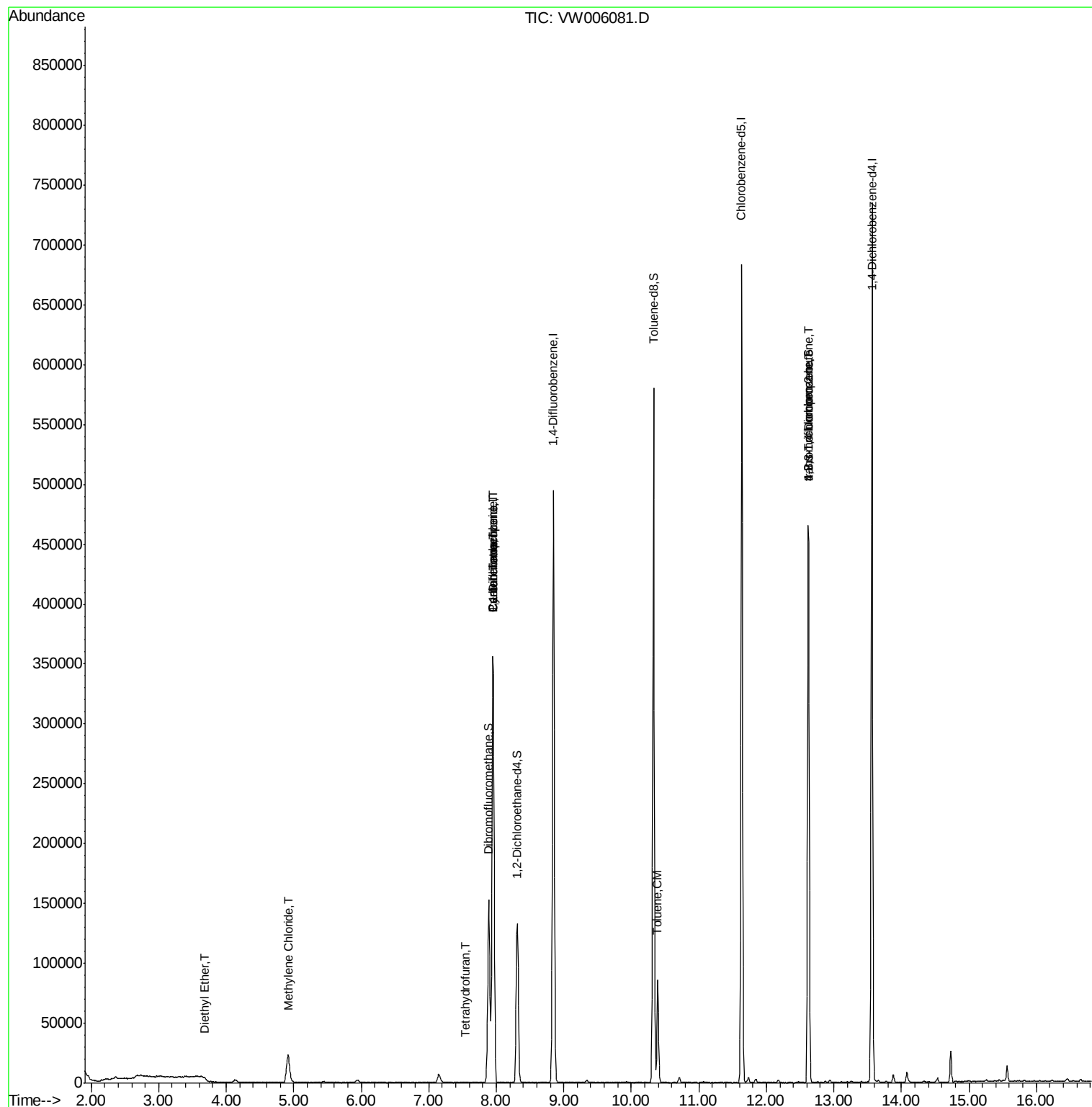
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1558	1.17	ug/l	85
16) Acetone	4.13	43	4126	Below Cal		95
20) Methylene Chloride	4.92	84	19523	6.10	ug/l	98
29) Tetrahydrofuran	7.55	42	489	1.20	ug/l #	56
31) Cyclohexane	7.95	56	5412	1.21	ug/l #	6
36) 1,1-Dichloropropene	7.95	75	19382	4.87	ug/l #	49
38) Carbon Tetrachloride	7.95	117	26142	5.99	ug/l #	17
52) Toluene	10.39	92	36113	4.93	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	73111	47.54	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	73111	113.63	ug/l #	10

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

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SUP-4B-G-101518-3

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Quant Title : SW846 8260
QLast Update : Tue Oct 16 05:36:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006081.D

Acq: 16 Oct 2018 16:18

Instrument :

MSVOA_W

ClientSampleId :

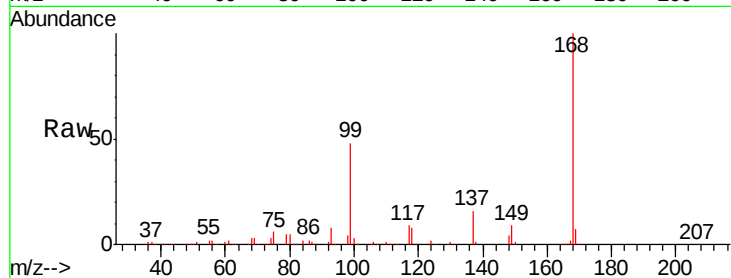
SUP-4B-G-101518-3

Tgt Ion:168 Resp: 295487

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

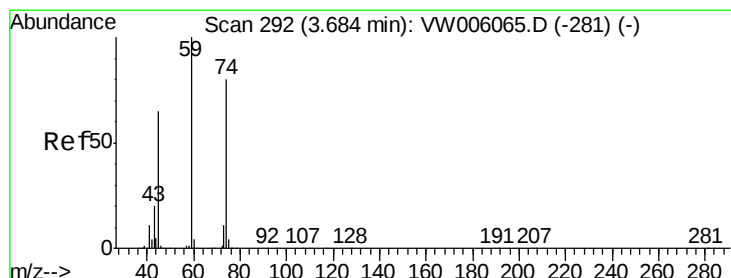
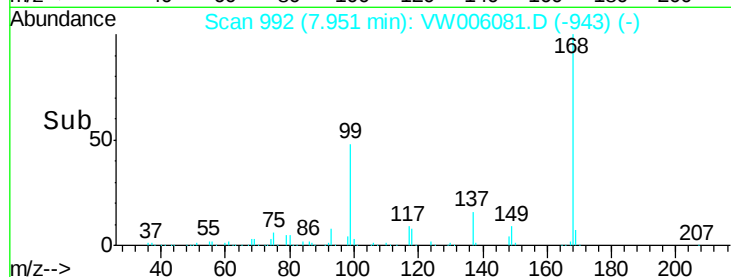
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.17 ug/l

RT: 3.68 min Scan# 292

Delta R.T. -0.00 min

Lab File: VW006081.D

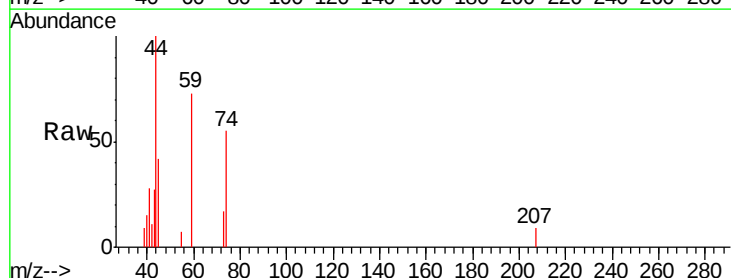
Acq: 16 Oct 2018 16:18

Tgt Ion: 74 Resp: 1558

Ion Ratio Lower Upper

74 100

45 99.1 42.8 128.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

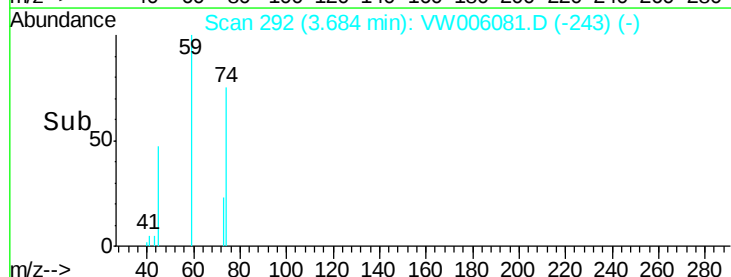
600

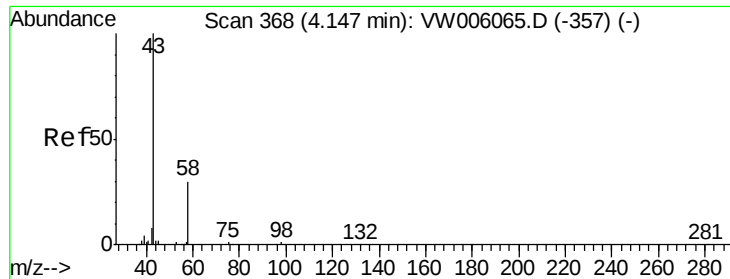
400

200

0

Time--> 3.60 3.65 3.70 3.75

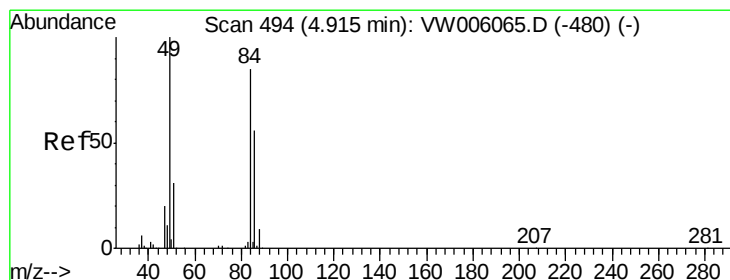
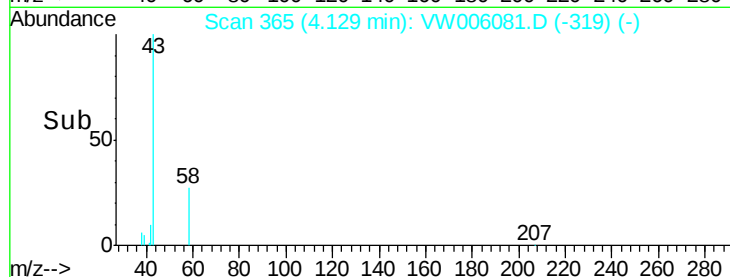
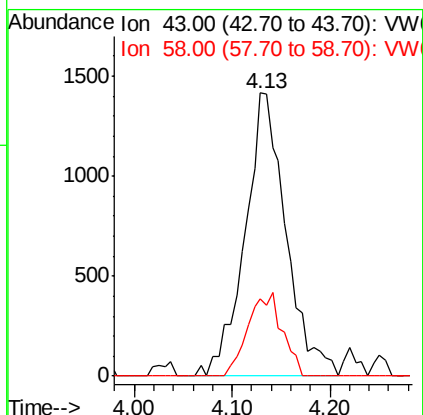
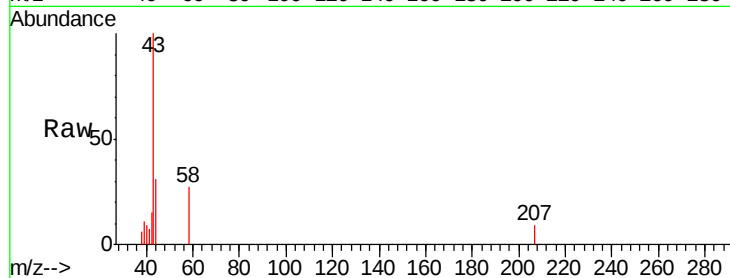




#16
Acetone
Concen: Below Cal
RT: 4.13 min Scan# 365
Delta R.T. -0.02 min
Lab File: VW006081.D
Acq: 16 Oct 2018 16:18

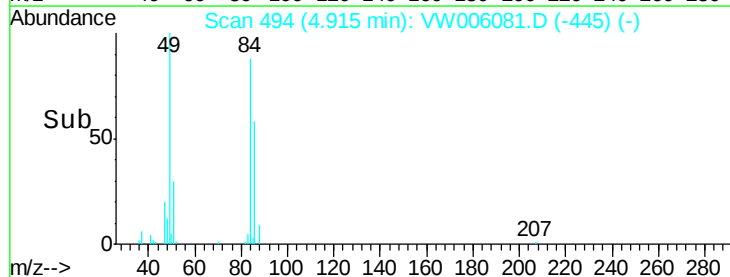
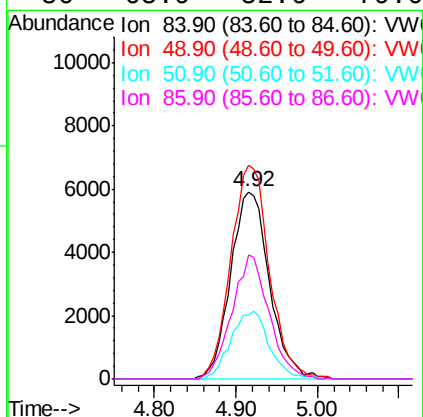
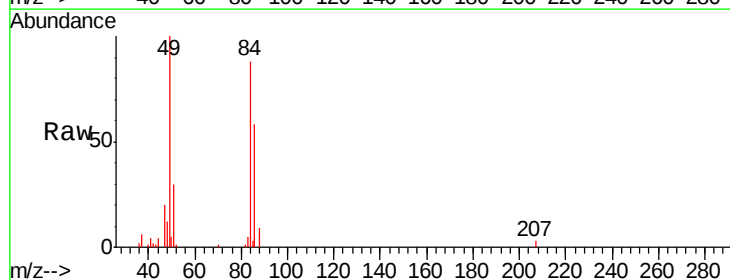
Instrument :
MSVOA_W
ClientSampleId :
SUP-4B-G-101518-3

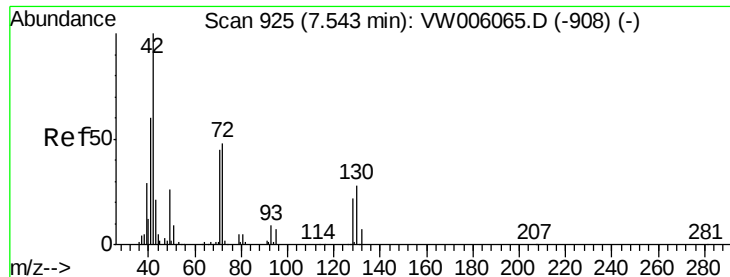
Tgt Ion: 43 Resp: 4126
Ion Ratio Lower Upper
43 100
58 27.4 24.0 36.0



#20
Methylene Chloride
Concen: 6.10 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006081.D
Acq: 16 Oct 2018 16:18

Tgt Ion: 84 Resp: 19523
Ion Ratio Lower Upper
84 100
49 113.9 93.6 140.4
51 33.9 29.0 43.4
86 65.9 52.6 79.0

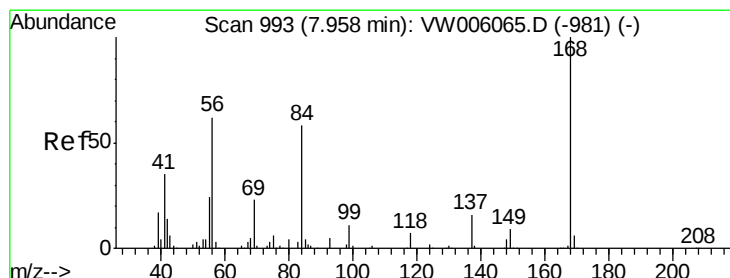
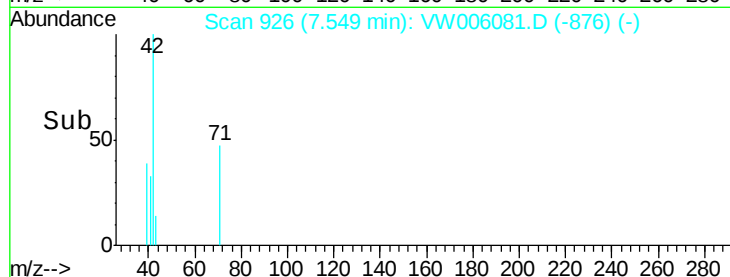
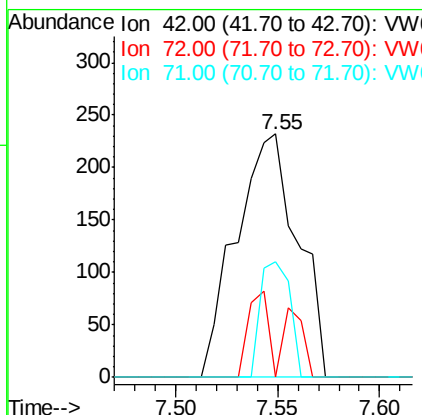
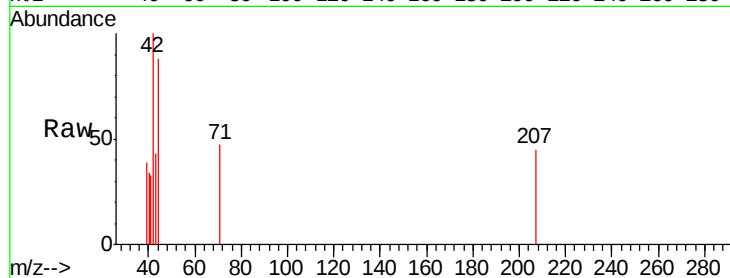




#29
Tetrahydrofuran
Concen: 1.20 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.01 min
Lab File: VW006081.D
Acq: 16 Oct 2018 16:18

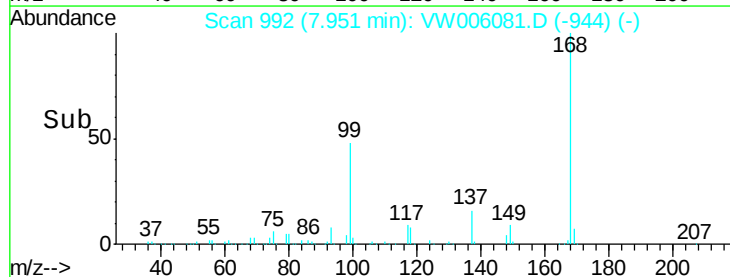
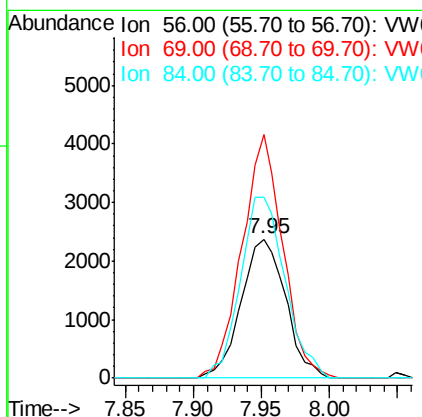
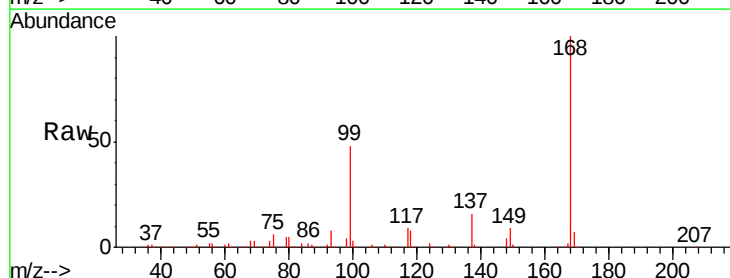
Instrument :
MSVOA_W
ClientSampleId :
SUP-4B-G-101518-3

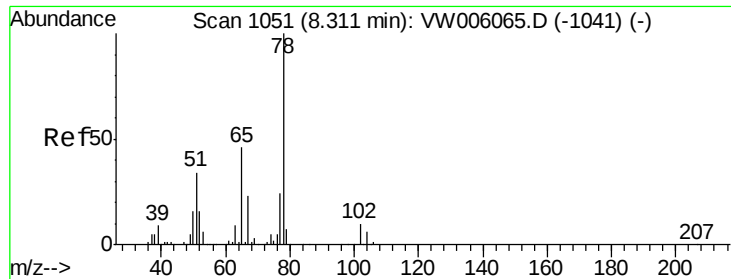
Tgt Ion: 42 Resp: 489
Ion Ratio Lower Upper
42 100
72 11.5 38.0 57.0#
71 22.9 35.3 52.9#



#31
Cyclohexane
Concen: 1.21 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006081.D
Acq: 16 Oct 2018 16:18

Tgt Ion: 56 Resp: 5412
Ion Ratio Lower Upper
56 100
69 175.1 29.4 44.0#
84 130.0 74.0 111.0#





#33

1,2-Dichloroethane-d4

Concen: 42.95 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW006081.D

Acq: 16 Oct 2018 16:18

Instrument :

MSVOA_W

ClientSampleId :

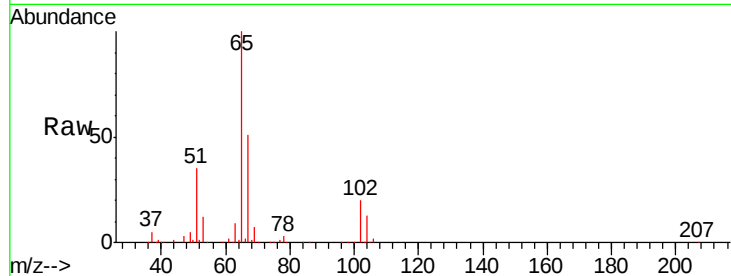
SUP-4B-G-101518-3

Tgt Ion: 65 Resp: 105226

Ion Ratio Lower Upper

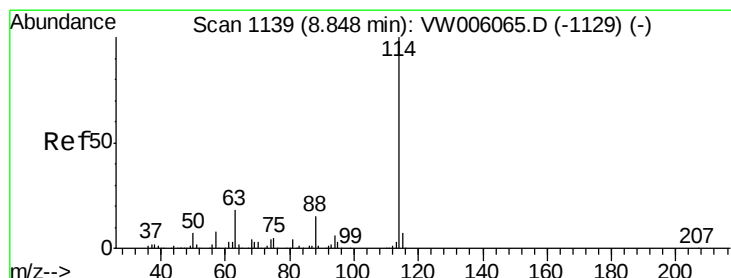
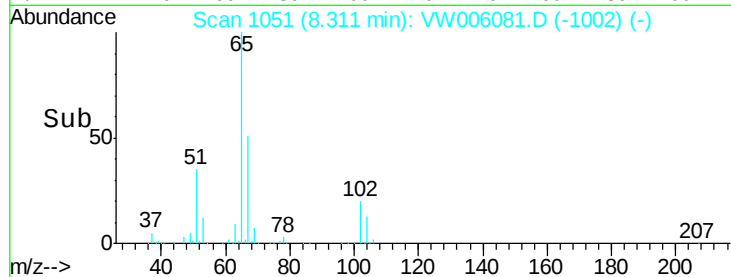
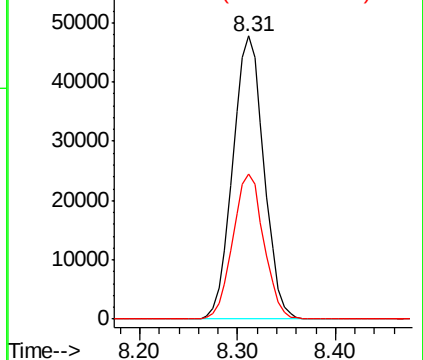
65 100

67 51.2 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: 50.00 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW006081.D

Acq: 16 Oct 2018 16:18

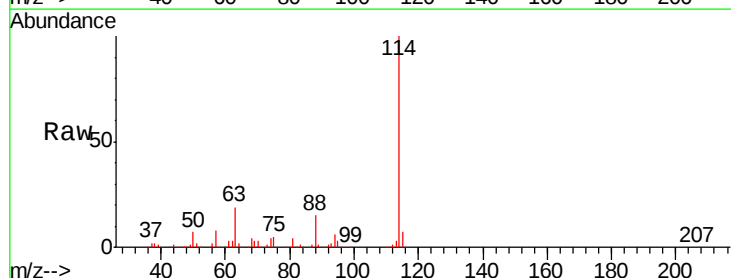
Tgt Ion: 114 Resp: 431858

Ion Ratio Lower Upper

114 100

63 18.8 0.0 36.8

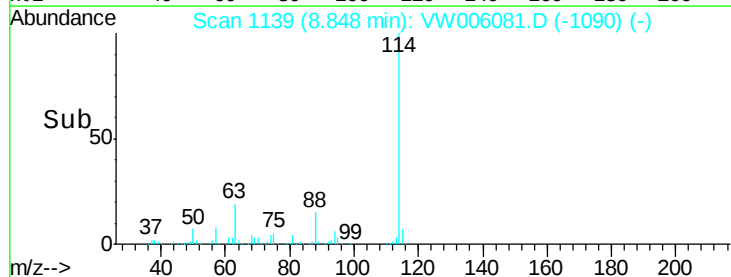
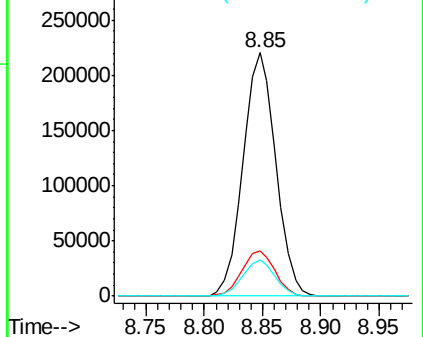
88 15.0 0.0 29.0



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: 41.13 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW006081.D

Acq: 16 Oct 2018 16:18

Instrument :

MSVOA_W

ClientSampleId :

SUP-4B-G-101518-3

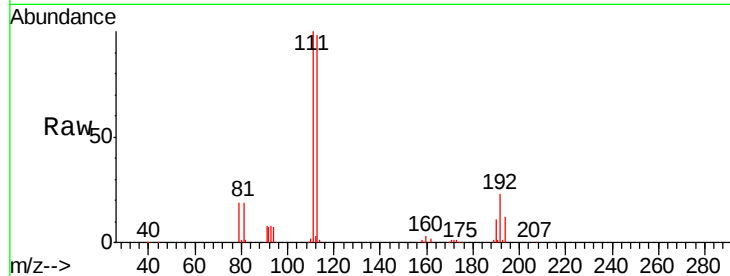
Tgt Ion:113 Resp: 104968

Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.0

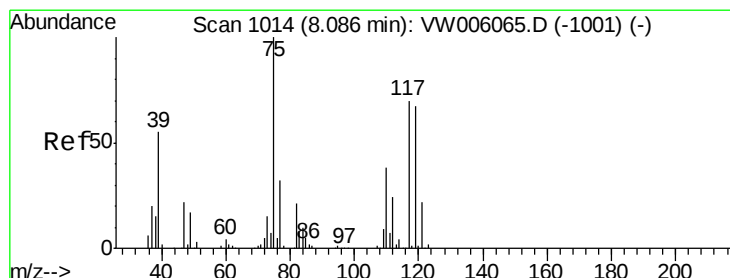
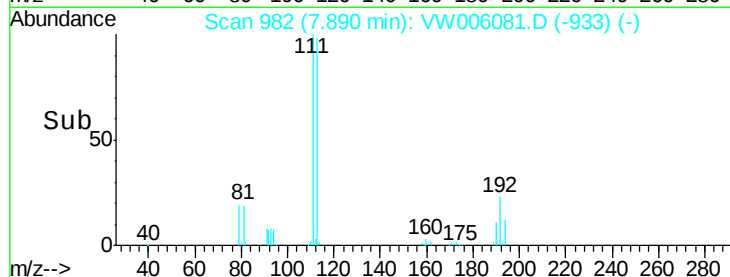
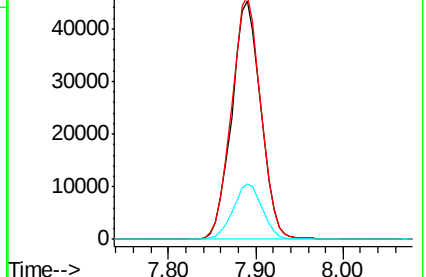
192 23.2 18.7 28.1



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: 4.87 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW006081.D

Acq: 16 Oct 2018 16:18

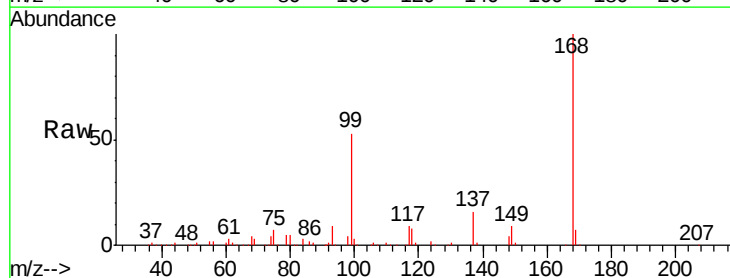
Tgt Ion: 75 Resp: 19382

Ion Ratio Lower Upper

75 100

110 9.6 19.1 57.1#

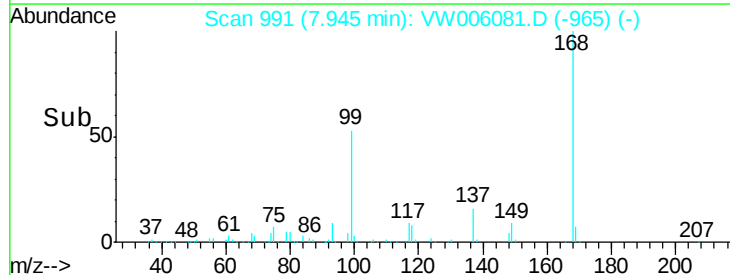
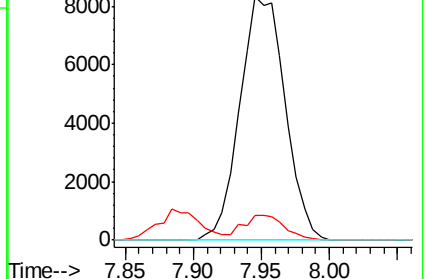
77 0.0 25.0 37.4#

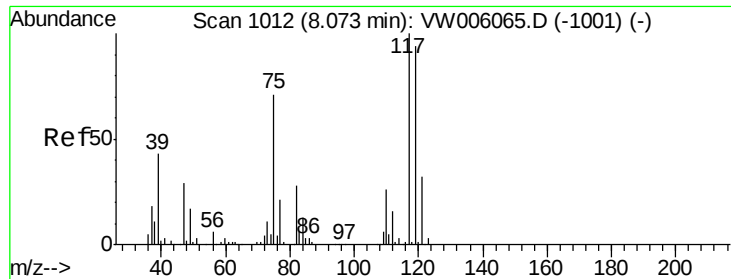


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

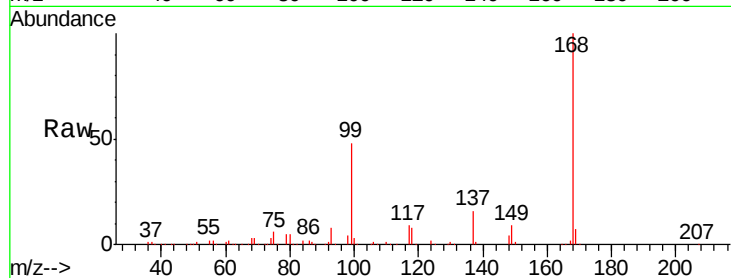




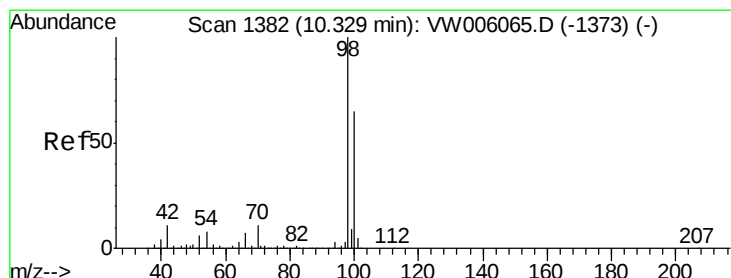
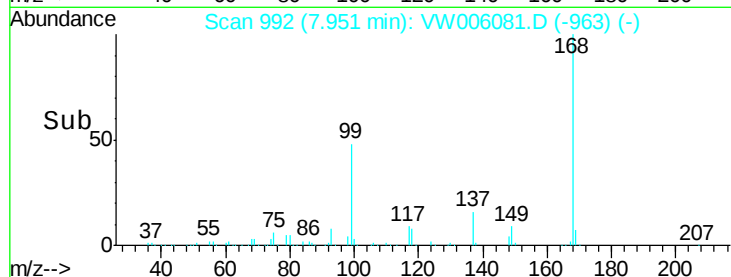
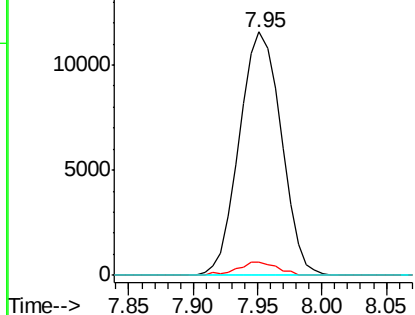
#38
Carbon Tetrachloride
Concen: 5.99 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW006081.D
Acq: 16 Oct 2018 16:18

Instrument :
MSVOA_W
ClientSampleId :
SUP-4B-G-101518-3

Tgt Ion:117 Resp: 26142
Ion Ratio Lower Upper
117 100
119 5.4 75.2 112.8#
121 0.0 25.3 37.9#

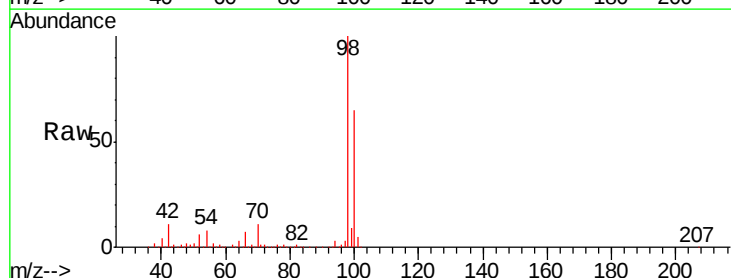


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

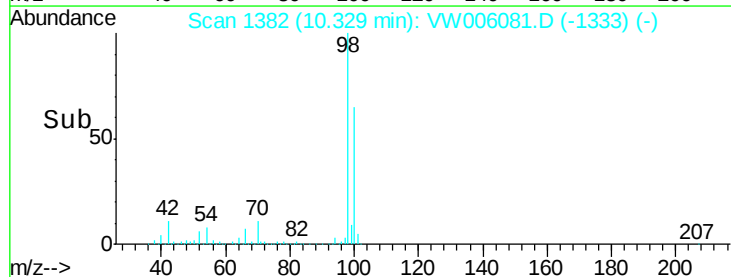
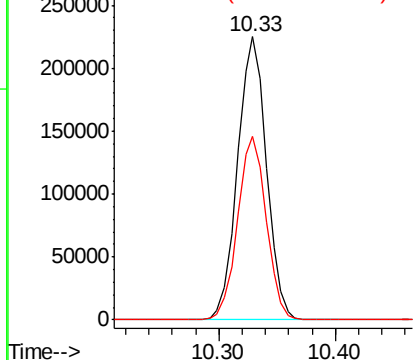


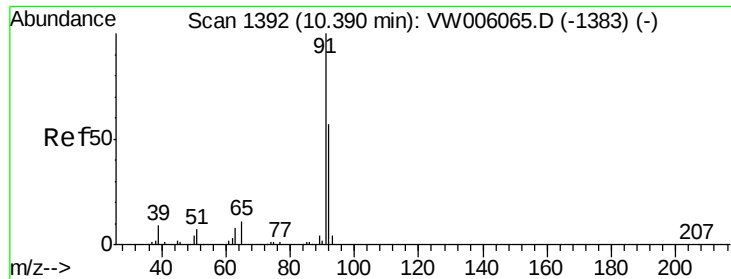
#50
Toluene-d8
Concen: 40.10 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW006081.D
Acq: 16 Oct 2018 16:18

Tgt Ion: 98 Resp: 389299
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





#52

Toluene

Concen: 4.93 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006081.D

Acq: 16 Oct 2018 16:18

Instrument :

MSVOA_W

ClientSampleId :

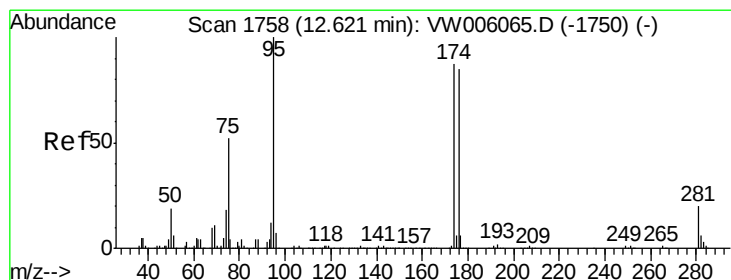
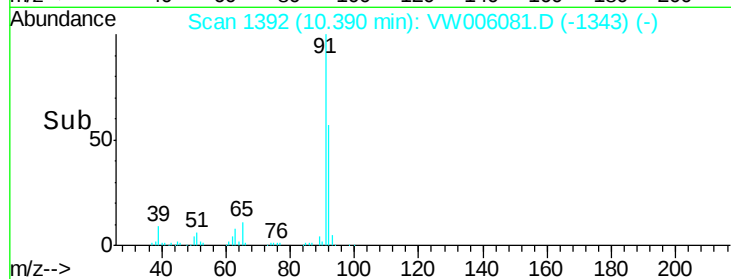
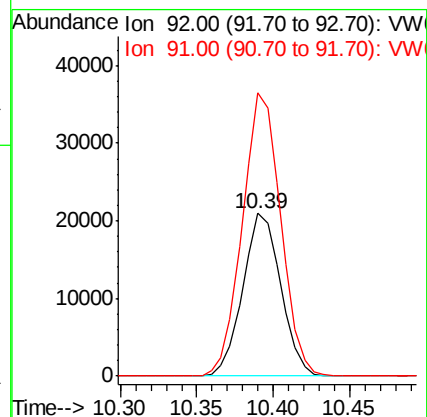
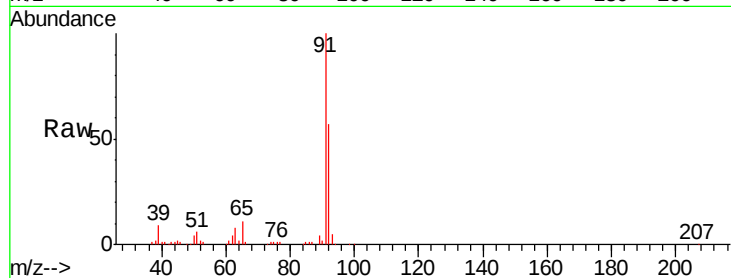
SUP-4B-G-101518-3

Tgt Ion: 92 Resp: 36113

Ion Ratio Lower Upper

92 100

91 176.4 140.0 210.0



#62

4-Bromofluorobenzene

Concen: 38.86 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006081.D

Acq: 16 Oct 2018 16:18

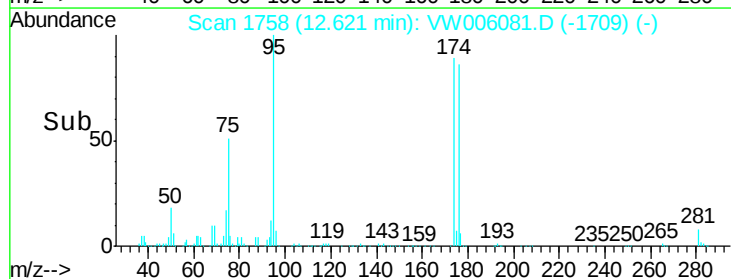
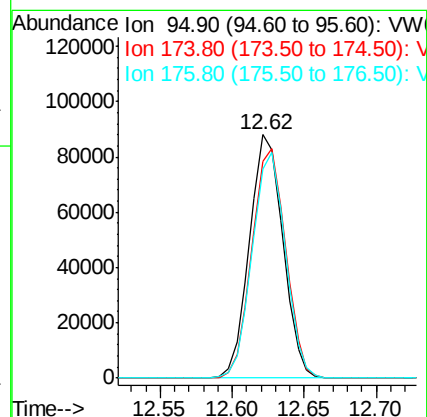
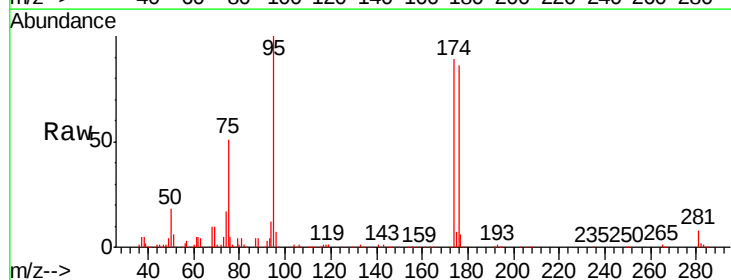
Tgt Ion: 95 Resp: 141714

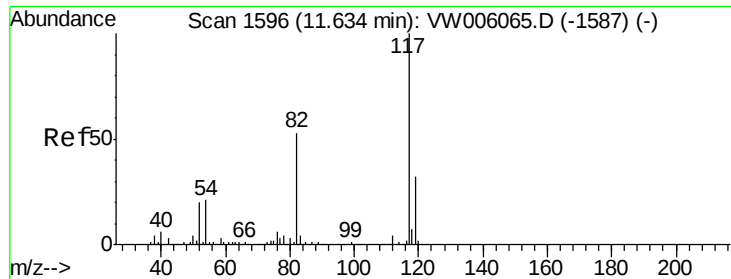
Ion Ratio Lower Upper

95 100

174 94.6 0.0 186.0

176 91.8 0.0 181.6





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.64 min Scan# 1597

Delta R.T. 0.01 min

Lab File: VW006081.D

Acq: 16 Oct 2018 16:18

Instrument :

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ClientSampleId :

SUP-4B-G-101518-3

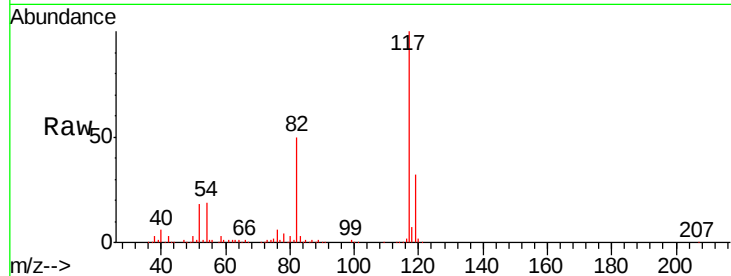
Tgt Ion:117 Resp: 392744

Ion Ratio Lower Upper

117 100

82 49.7 42.1 63.1

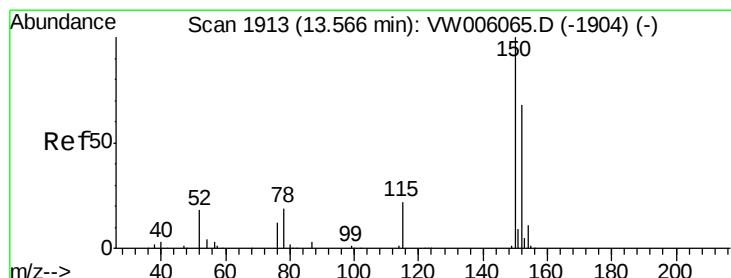
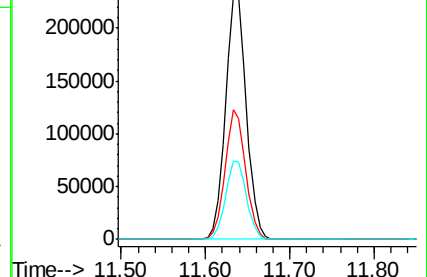
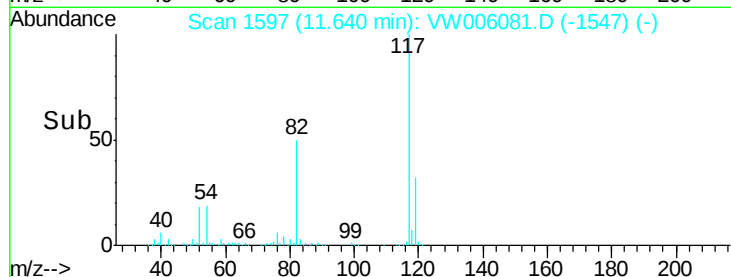
119 31.9 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW006081.D

Acq: 16 Oct 2018 16:18

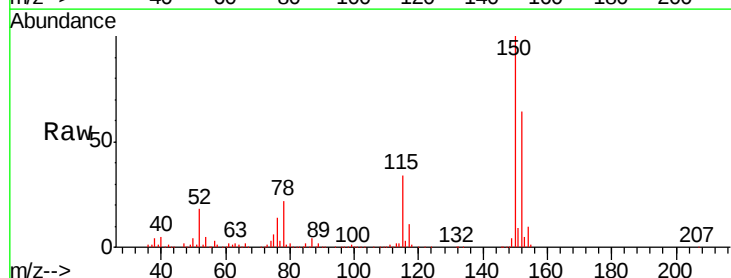
Tgt Ion:152 Resp: 201354

Ion Ratio Lower Upper

152 100

115 54.2 27.8 83.3

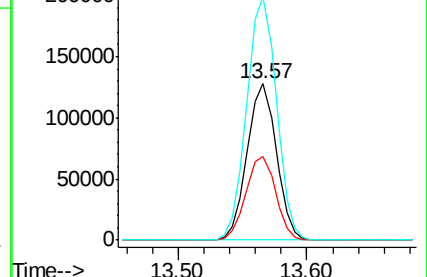
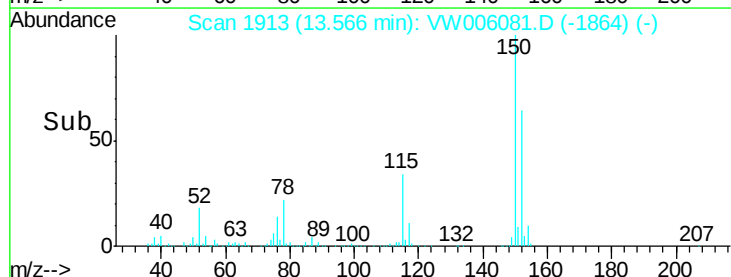
150 157.7 0.0 349.2

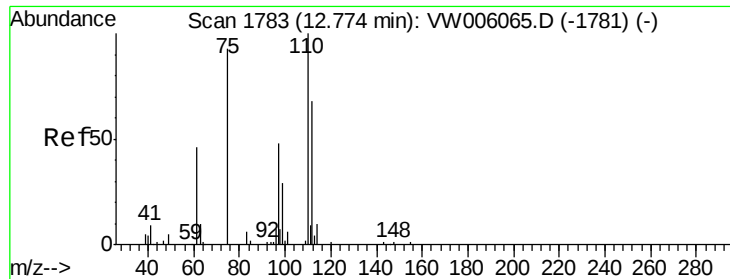


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 47.54 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006081.D

Acq: 16 Oct 2018 16:18

Instrument :

MSVOA_W

ClientSampleId :

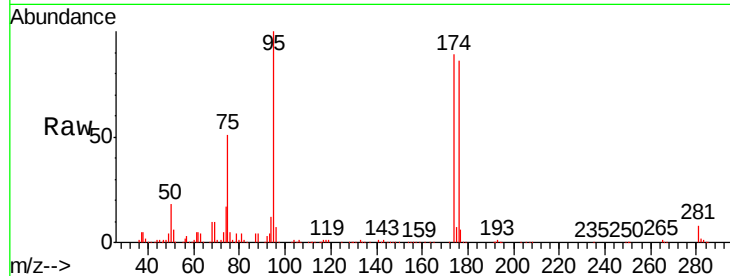
SUP-4B-G-101518-3

Tgt Ion: 75 Resp: 73111

Ion Ratio Lower Upper

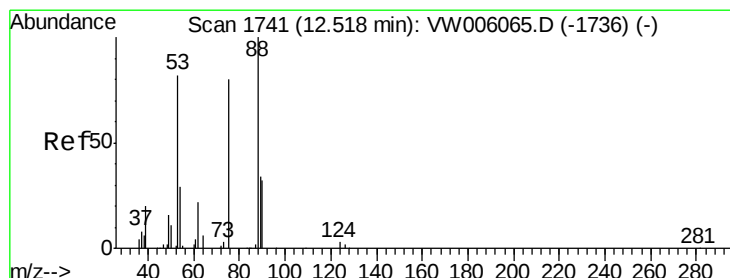
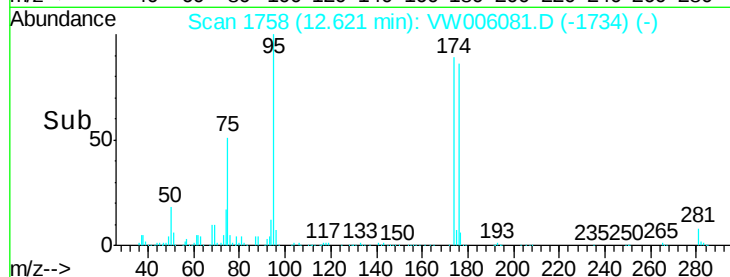
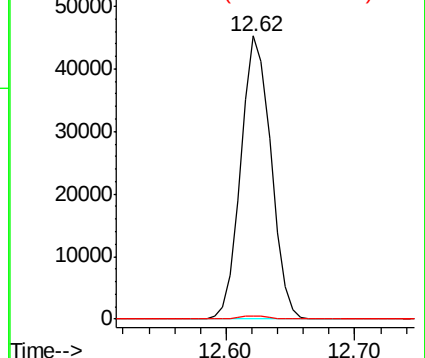
75 100

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: 113.63 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006081.D

Acq: 16 Oct 2018 16:18

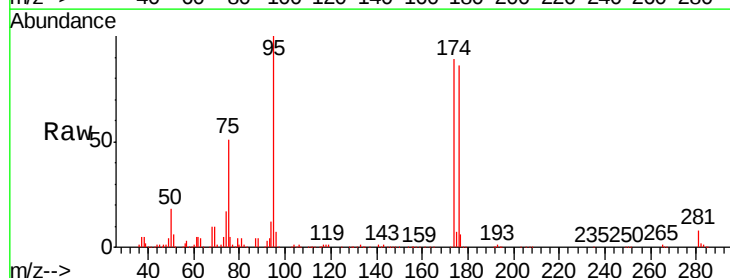
Tgt Ion: 75 Resp: 73111

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.1 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

