

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021319\
 Data File : VW008657.D
 Acq On : 13 Feb 2019 23:45
 Operator : SY/VA
 Sample : K1462-15
 Misc : 5.77G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-3-D

Quant Time: Feb 14 04:47:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

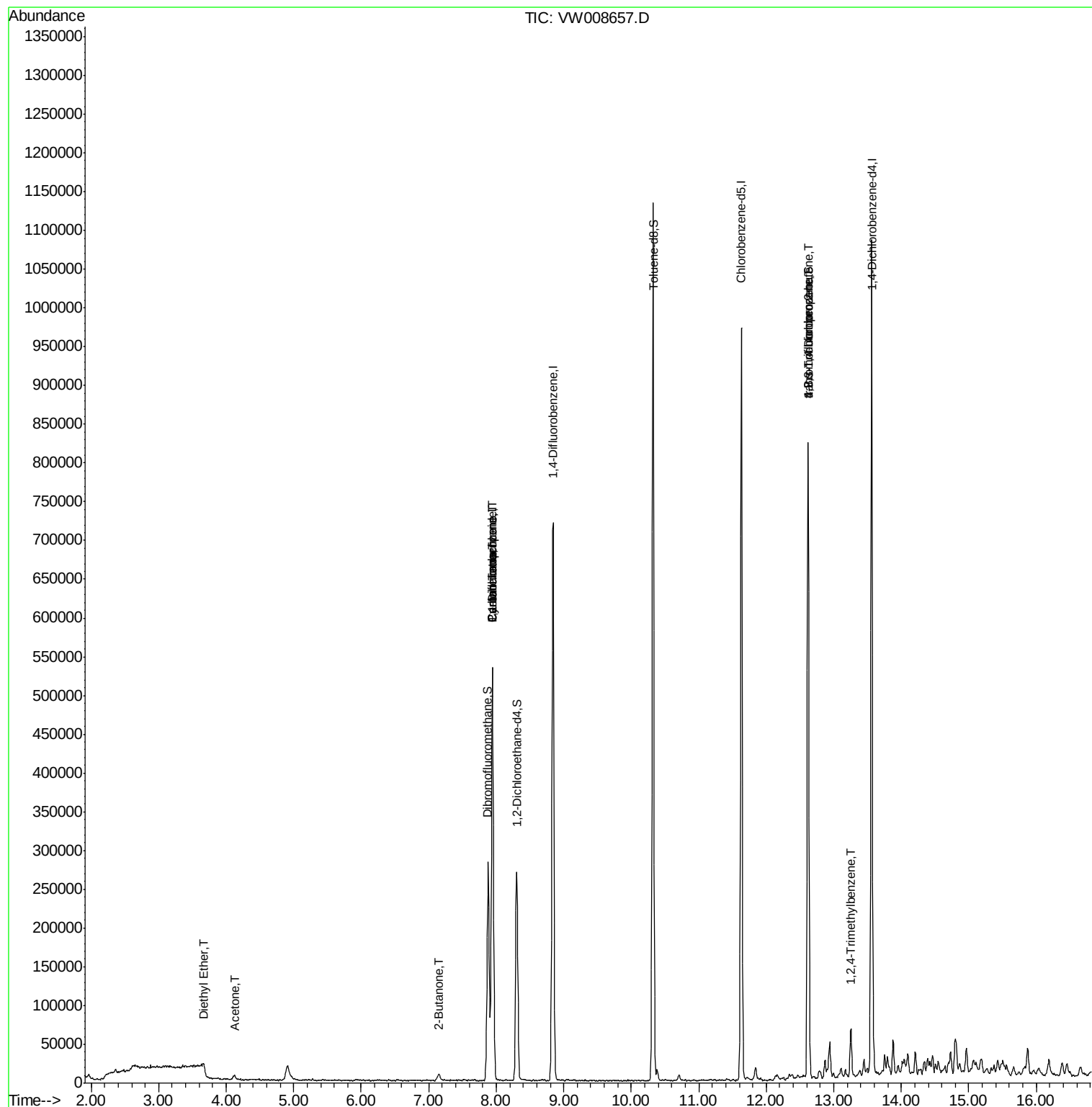
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	411917	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	613705	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	531372	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	268626	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	210228	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
35) Dibromofluoromethane	7.88	113	188615	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
50) Toluene-d8	10.32	98	722591	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
62) 4-Bromofluorobenzene	12.62	95	254479	45.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.98%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.67	74	4834	2.082	ug/l	100
16) Acetone	4.12	43	10374	10.645	ug/l	91
20) Methylene Chloride	4.91	84	16459	Below Cal	#	84
25) 2-Butanone	7.16	43	1426	1.036	ug/l #	51
31) Cyclohexane	7.94	56	9278	1.185	ug/l #	30
36) 1,1-Dichloropropene	7.95	75	30339	4.921	ug/l #	50
38) Carbon Tetrachloride	7.95	117	37775	6.161	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	133710	50.408	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	133710	108.059	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.26	105	33794	1.978	ug/l	99

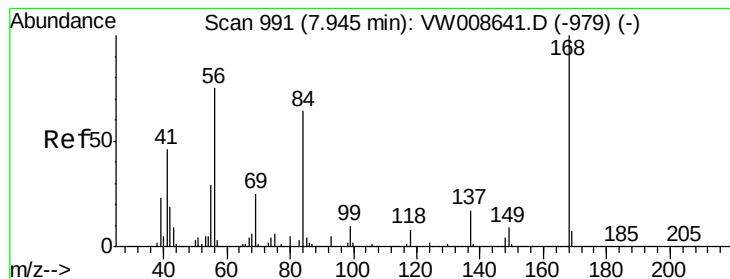
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 14 04:47:16 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 04:06:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008657.D

Acq: 13 Feb 2019 23:45

Instrument :

MSVOA_W

ClientSampleId :

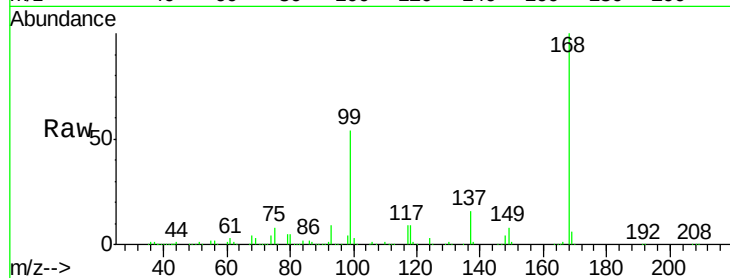
TP-3-D

Tot Ion:168 Resp: 411917

Ion Ratio Lower Upper

168 100

99 54.4 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

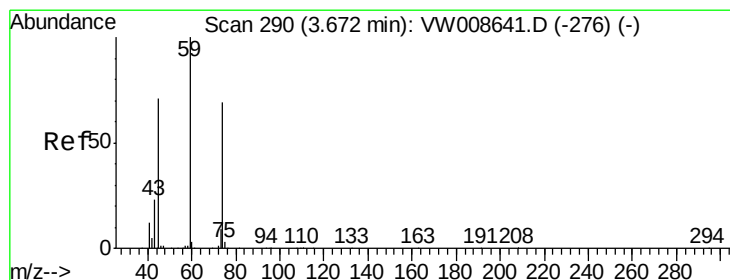
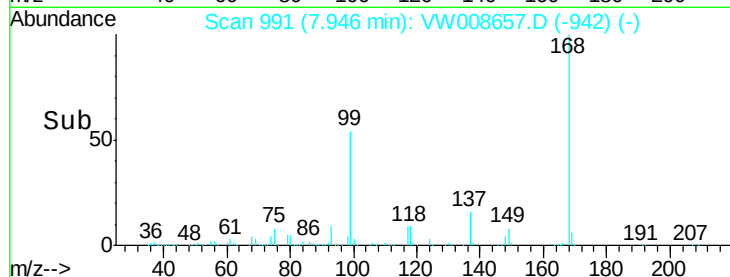
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 2.082 ug/l

RT: 3.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VW008657.D

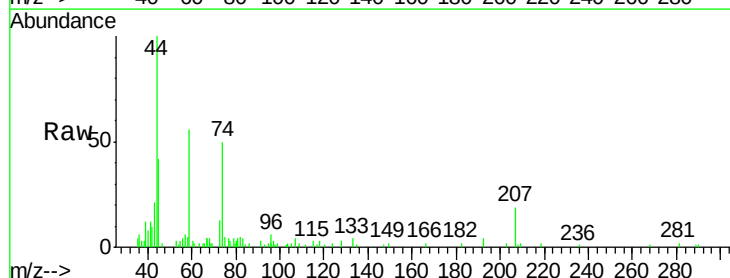
Acq: 13 Feb 2019 23:45

Tgt Ion: 74 Resp: 4834

Ion Ratio Lower Upper

74 100

45 100.5 50.2 150.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

2500

2000

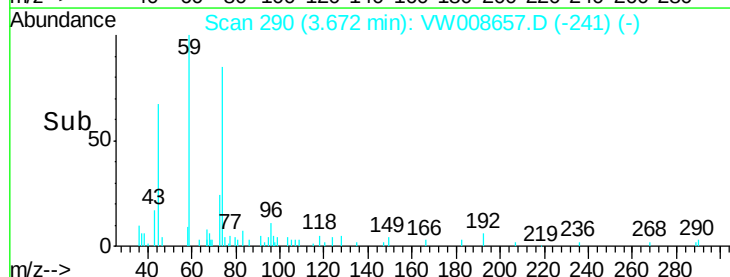
1500

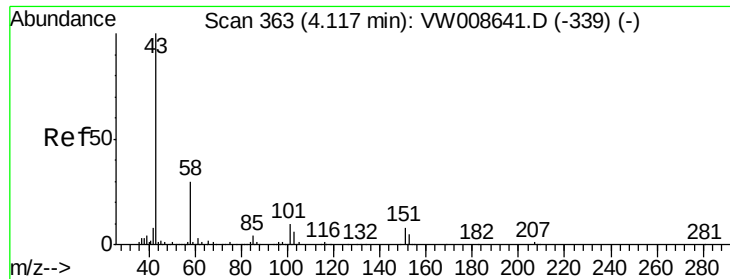
1000

500

0

Time-->





#16

Acetone

Concen: 10.645 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008657.D

Acq: 13 Feb 2019 23:45

Instrument :

MSVOA_W

ClientSampled :

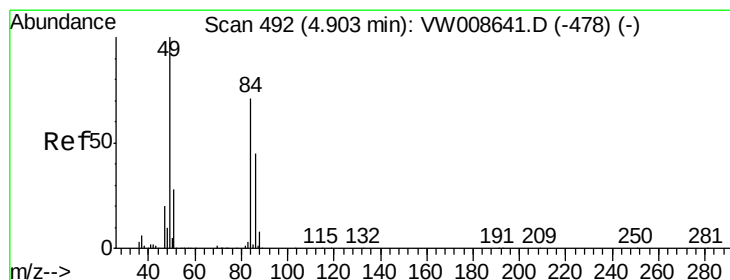
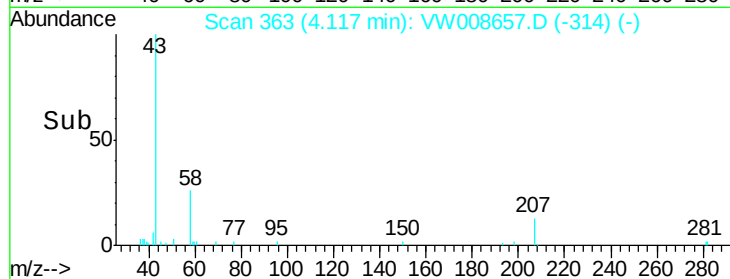
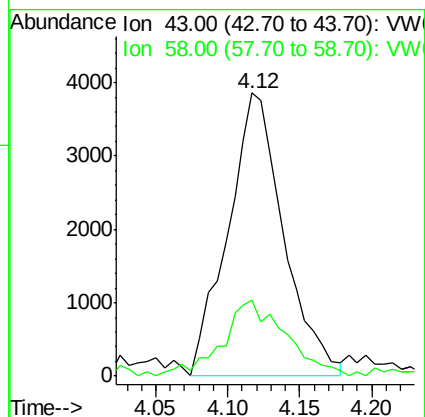
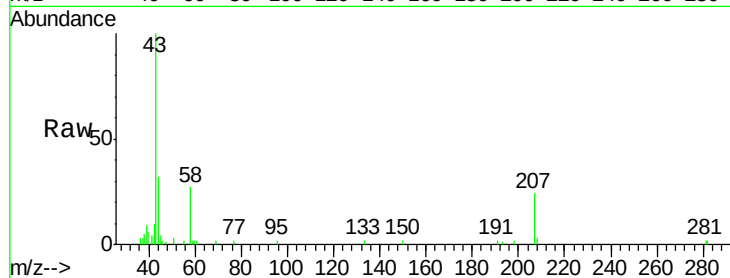
TP-3-D

Tot Ion: 43 Resp: 10374

Ion Ratio Lower Upper

43 100

58 25.1 24.1 36.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. 0.01 min

Lab File: VW008657.D

Acq: 13 Feb 2019 23:45

Tgt Ion: 84 Resp: 16459

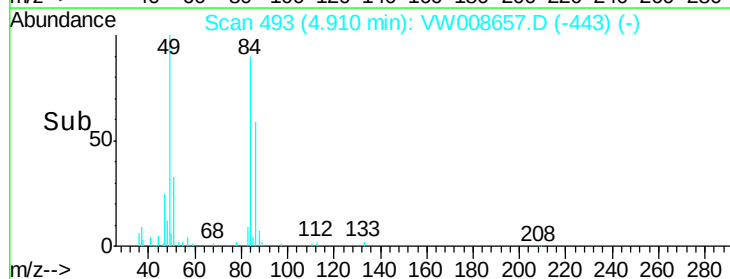
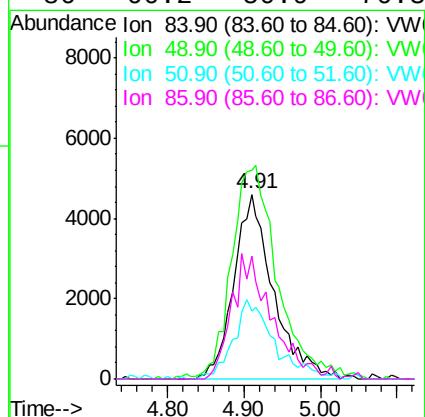
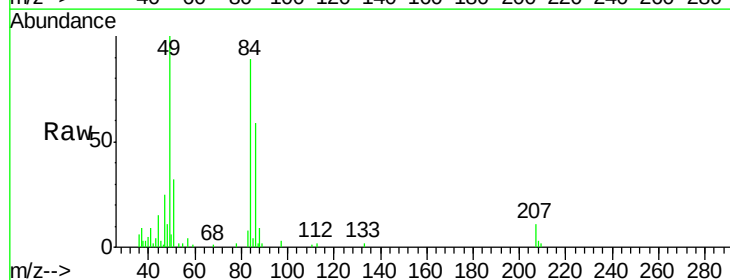
Ion Ratio Lower Upper

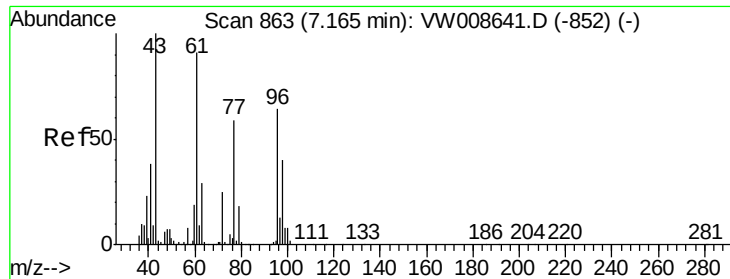
84 100

49 111.5 113.3 169.9#

51 36.4 32.1 48.1

86 66.2 50.9 76.3





#25

2-Butanone

Concen: 1.036 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008657.D

Acq: 13 Feb 2019 23:45

Instrument :

MSVOA_W

ClientSampled :

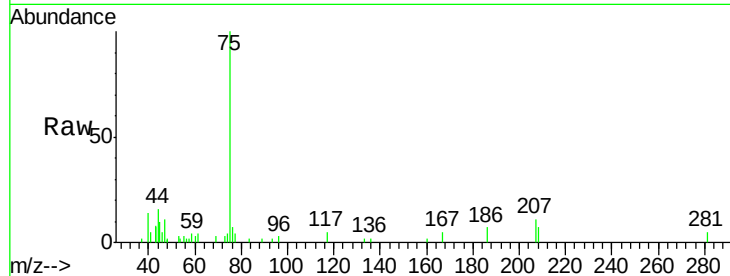
TP-3-D

Tot Ion: 43 Resp: 1426

Ion Ratio Lower Upper

43 100

72 0.0 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.16

600

500

400

300

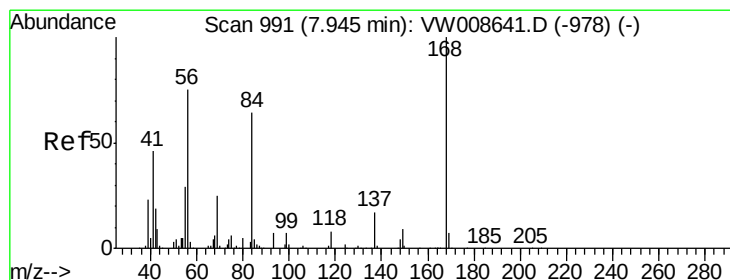
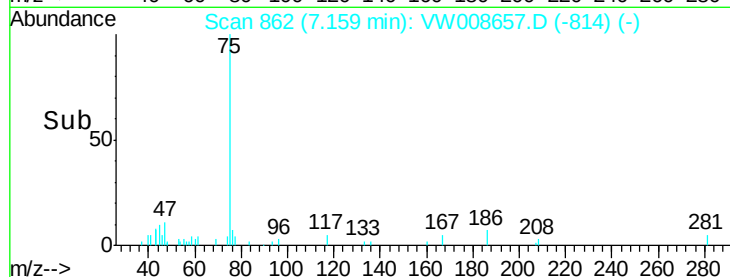
200

100

0

7.05 7.10 7.15 7.20

Time-->



#31

Cyclohexane

Concen: 1.185 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW008657.D

Acq: 13 Feb 2019 23:45

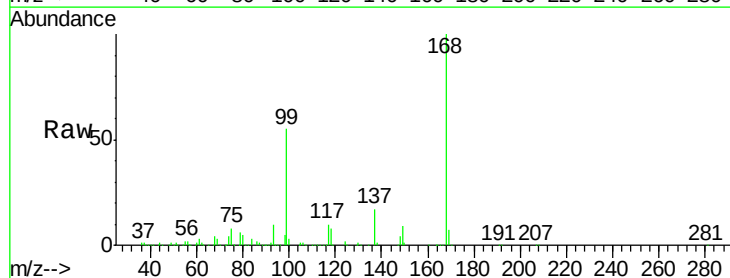
Tgt Ion: 56 Resp: 9278

Ion Ratio Lower Upper

56 100

69 141.2 26.4 39.6#

84 104.5 67.4 101.2#



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

8000

6000

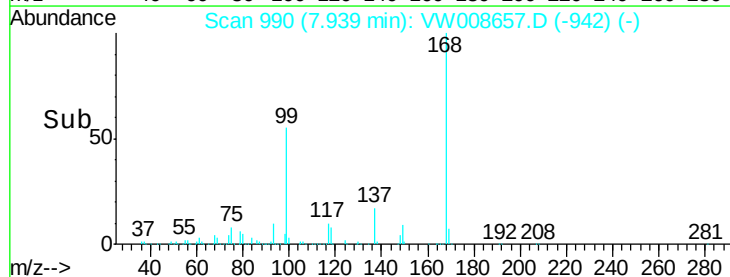
4000

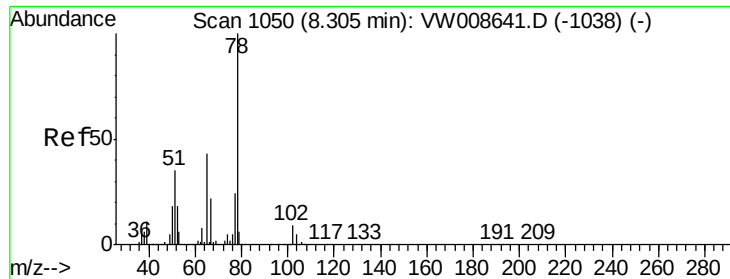
2000

0

7.85 7.90 7.95 8.00

Time-->

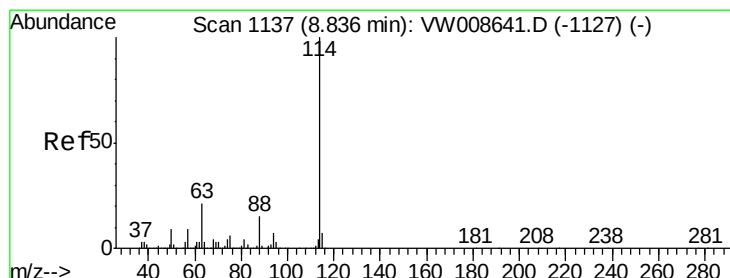
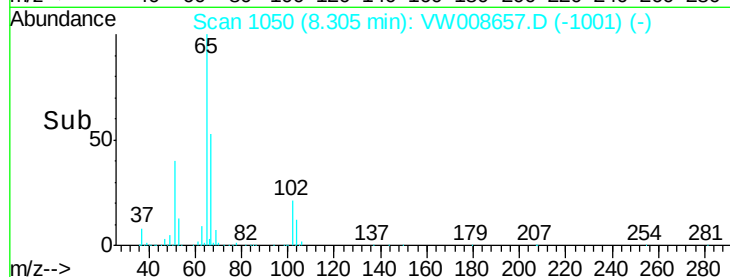
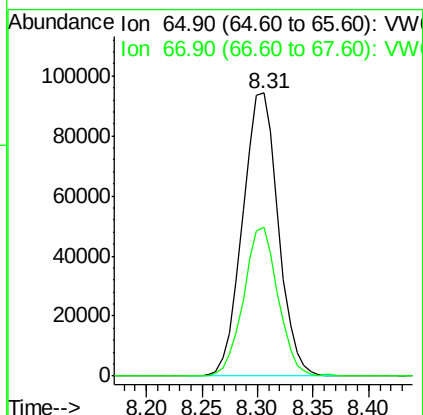
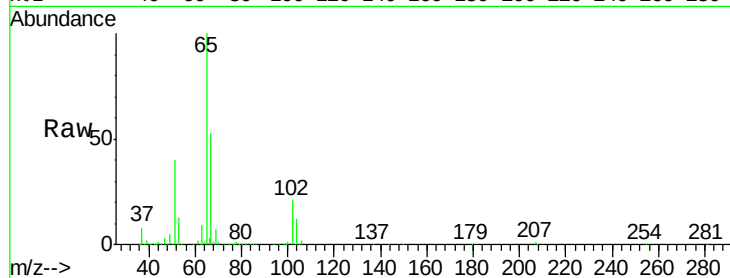




#33
 1,2-Dichloroethane-d4
 Concen: 49.091 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008657.D
 Acq: 13 Feb 2019 23:45

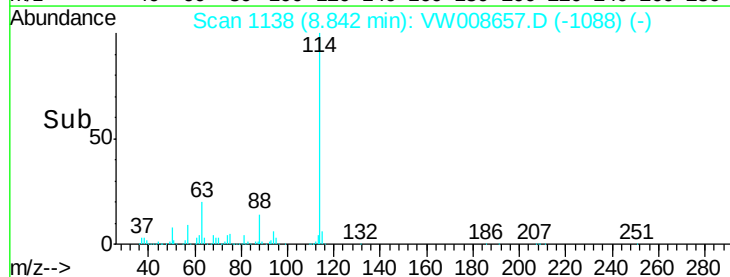
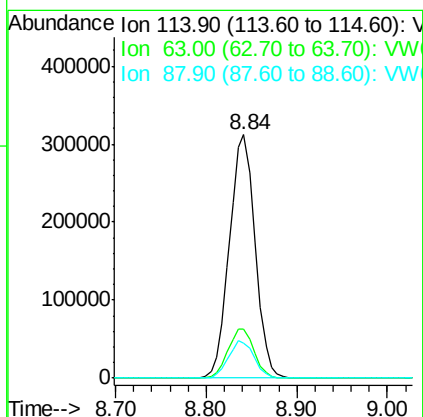
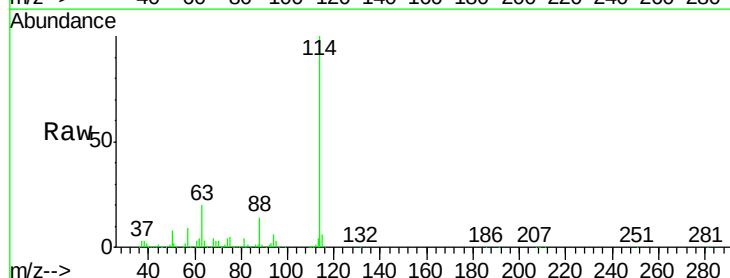
Instrument :
 MSVOA_W
 ClientSampled :
 TP-3-D

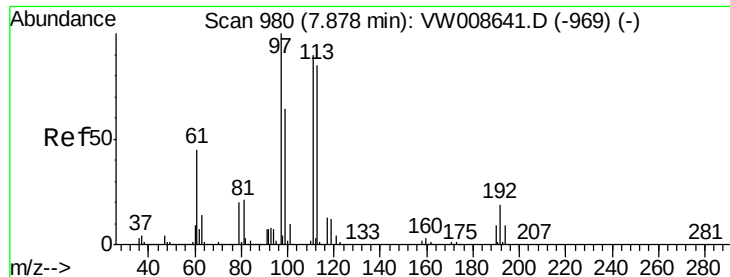
Tot Ion: 65 Resp: 210228
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VW008657.D
 Acq: 13 Feb 2019 23:45

Tgt Ion: 114 Resp: 613705
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 41.2
 88 14.2 0.0 29.6





#35

Dibromofluoromethane

Concen: 49.496 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW008657.D

Acq: 13 Feb 2019 23:45

Instrument :

MSVOA_W

ClientSampled :

TP-3-D

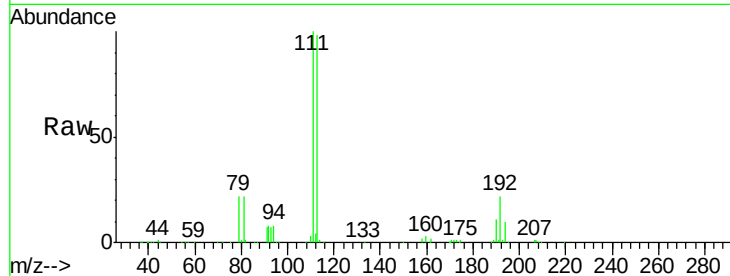
Tot Ion:113 Resp: 188615

Ion Ratio Lower Upper

113 100

111 102.2 84.0 126.0

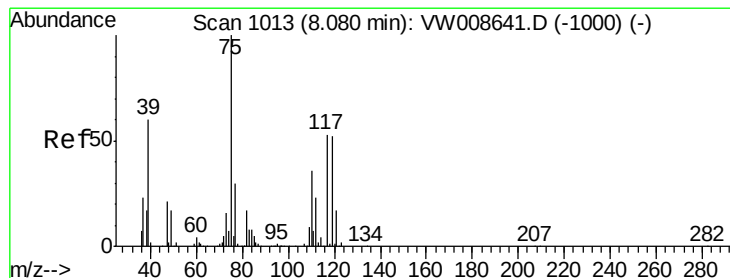
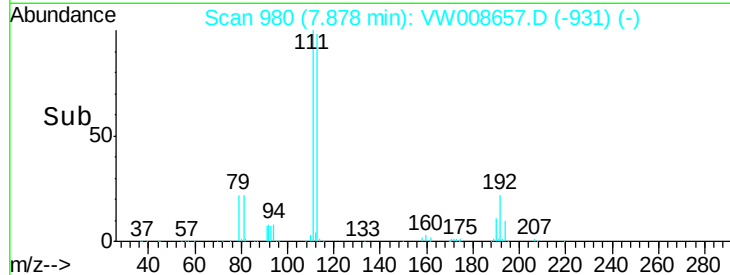
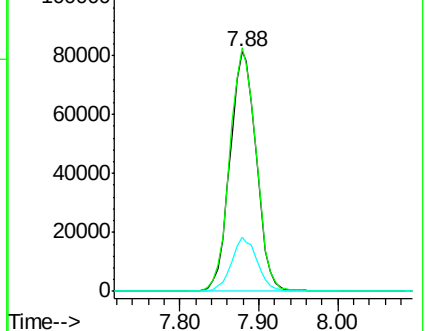
192 22.0 17.4 26.2



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: 4.921 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008657.D

Acq: 13 Feb 2019 23:45

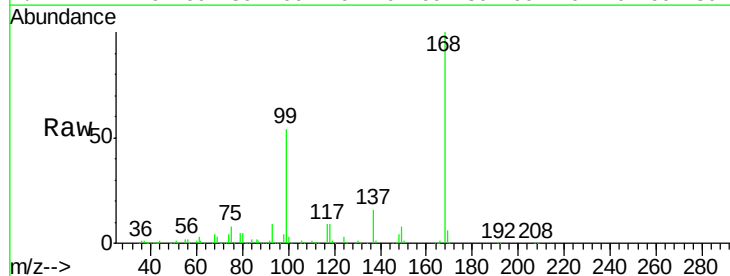
Tgt Ion: 75 Resp: 30339

Ion Ratio Lower Upper

75 100

110 9.1 17.8 53.3#

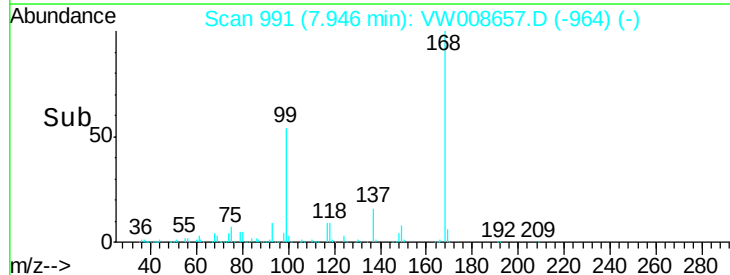
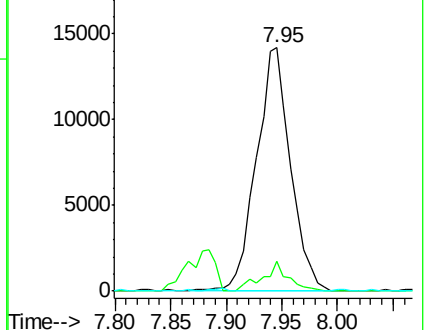
77 0.0 24.7 37.1#

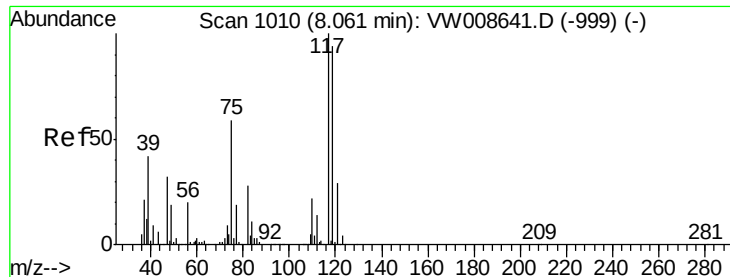


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

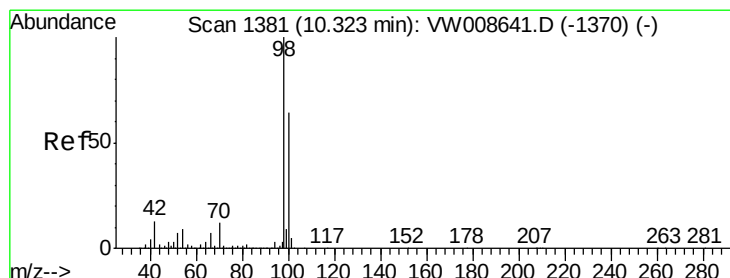
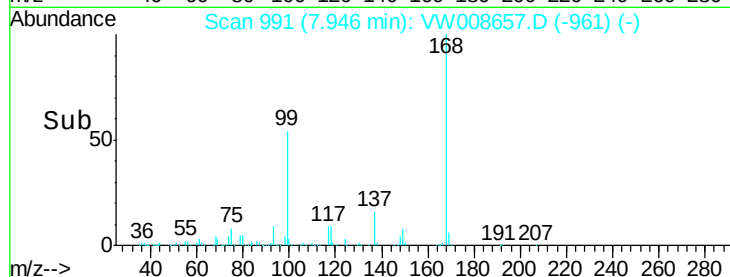
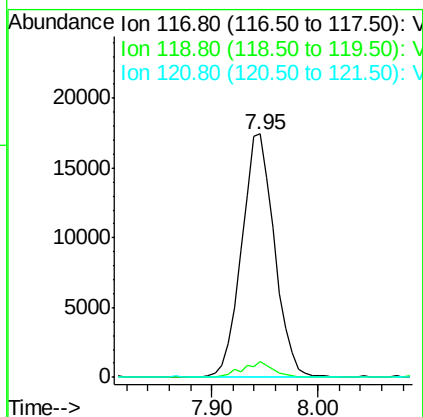
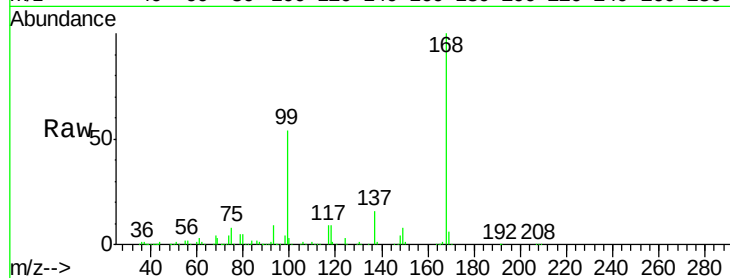




#38
Carbon Tetrachloride
Concen: 6.161 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008657.D
Acq: 13 Feb 2019 23:45

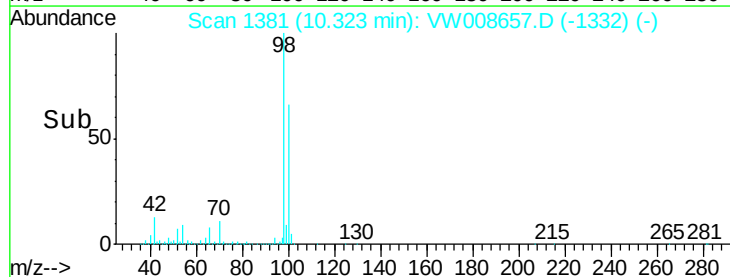
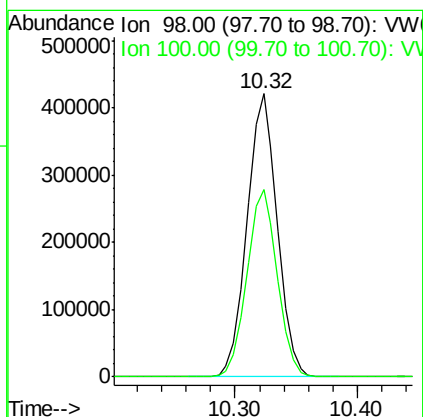
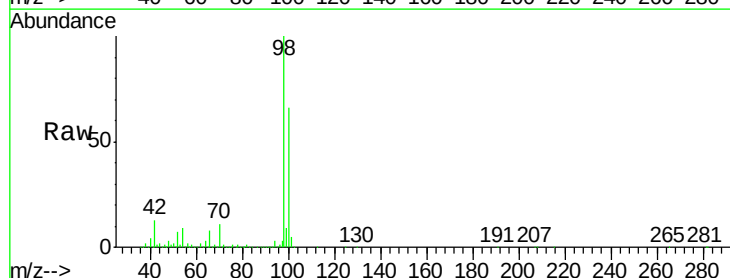
Instrument :
MSVOA_W
ClientSampled :
TP-3-D

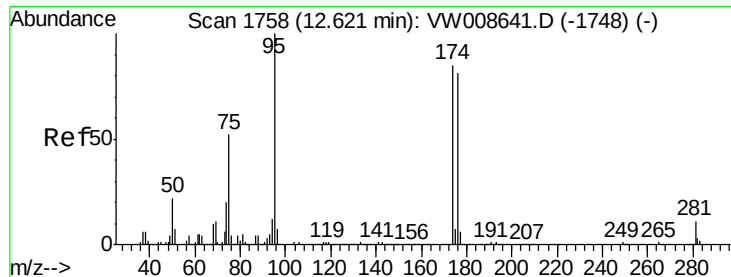
Tot Ion:117 Resp: 37775
Ion Ratio Lower Upper
117 100
119 6.7 75.1 112.7#
121 0.0 23.5 35.3#



#50
Toluene-d8
Concen: 49.190 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008657.D
Acq: 13 Feb 2019 23:45

Tgt Ion: 98 Resp: 722591
Ion Ratio Lower Upper
98 100
100 66.4 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 45.991 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008657.D

Acq: 13 Feb 2019 23:45

Instrument :

MSVOA_W

ClientSampled :

TP-3-D

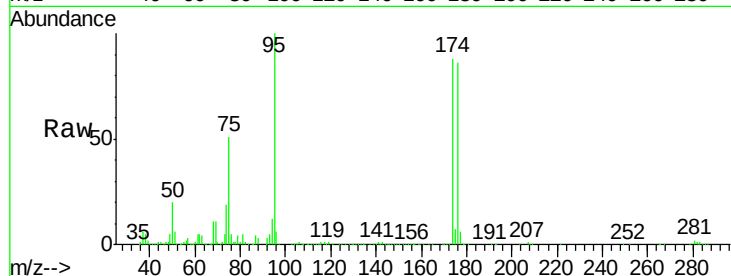
Tot Ion: 95 Resp: 254479

Ion Ratio Lower Upper

95 100

174 85.1 0.0 163.2

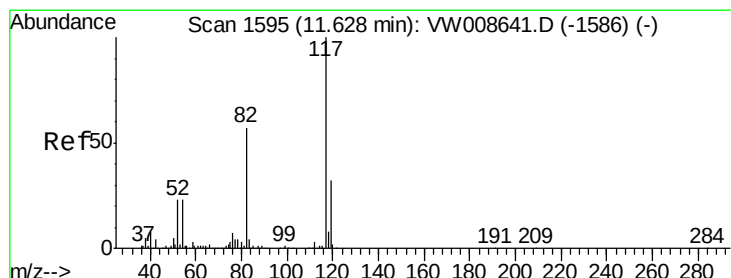
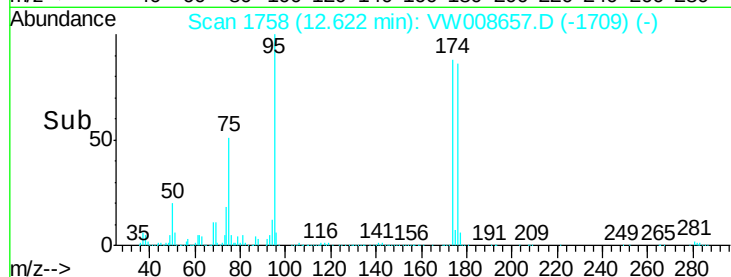
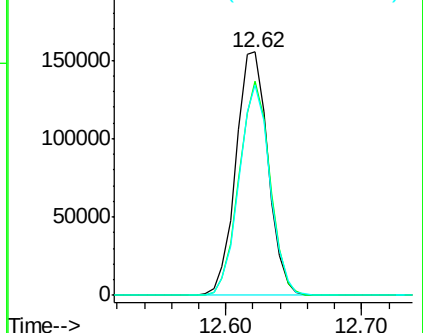
176 83.6 0.0 158.0



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. 0.01 min

Lab File: VW008657.D

Acq: 13 Feb 2019 23:45

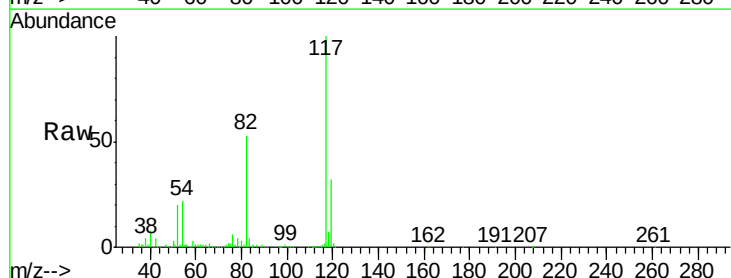
Tgt Ion: 117 Resp: 531372

Ion Ratio Lower Upper

117 100

82 52.7 45.6 68.4

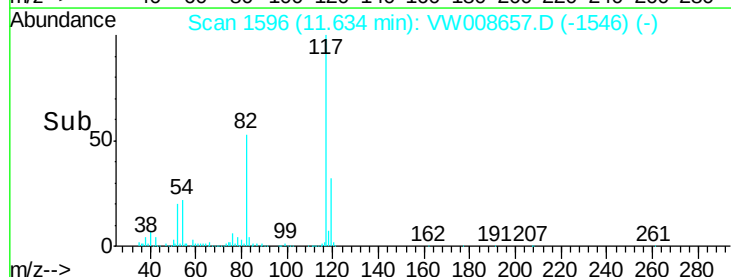
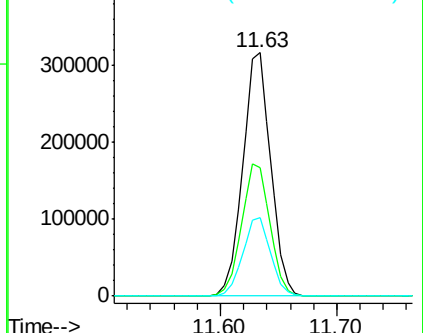
119 32.3 25.7 38.5

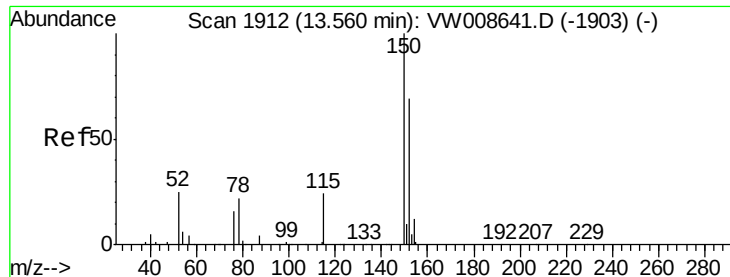


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



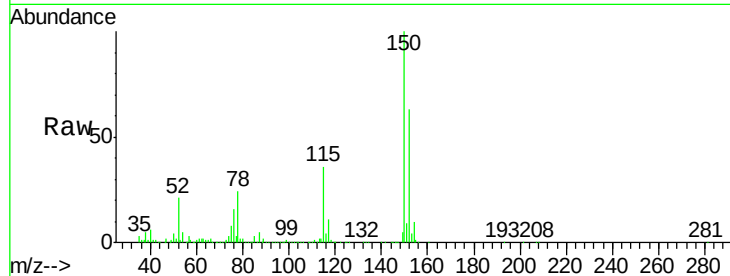


#72

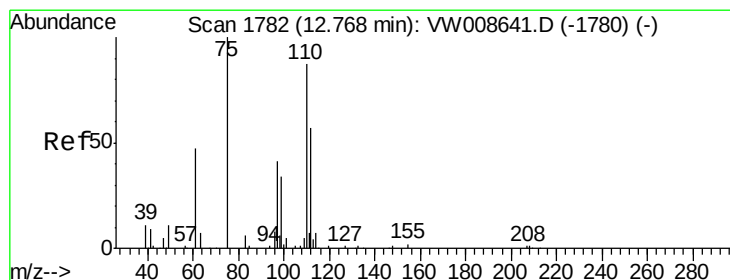
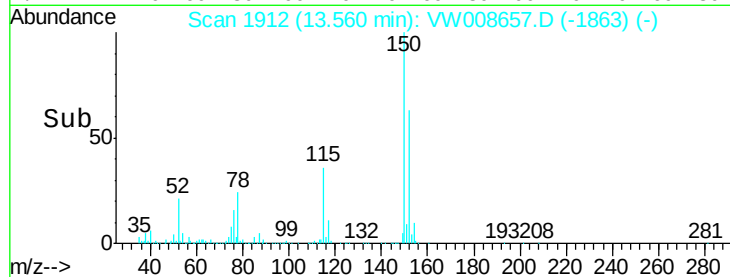
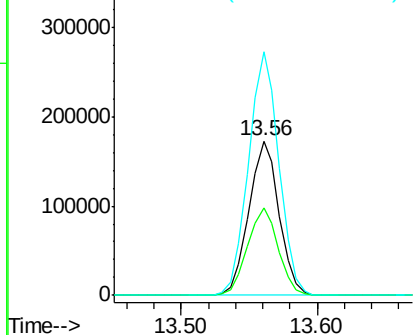
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008657.D
Acq: 13 Feb 2019 23:45

Instrument :
MSVOA_W
ClientSampled :
TP-3-D

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.7	29.3	87.8
150	158.6	0.0	352.8



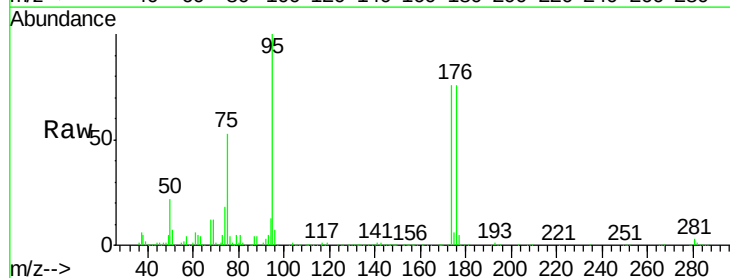
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



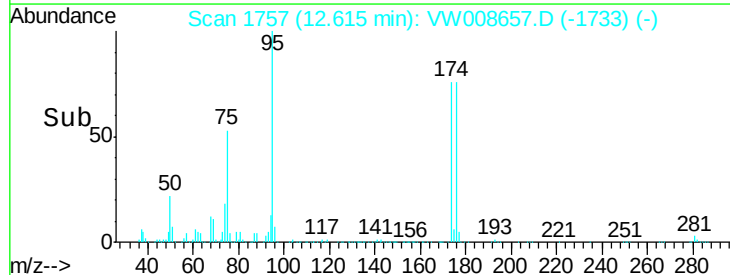
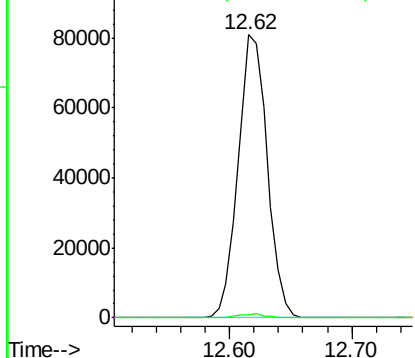
#76

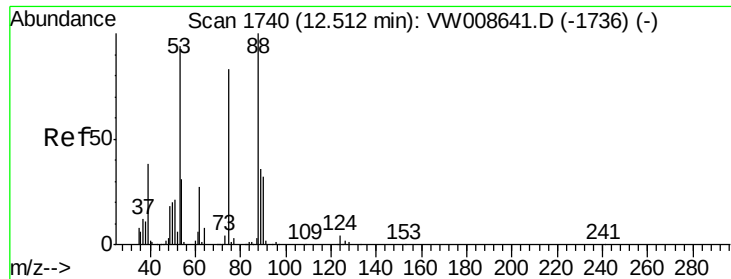
1,2,3-Trichloropropane
Concen: 50.408 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW008657.D
Acq: 13 Feb 2019 23:45

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	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: 108.059 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW008657.D

Acq: 13 Feb 2019 23:45

Instrument :

MSVOA_W

ClientSampled :

TP-3-D

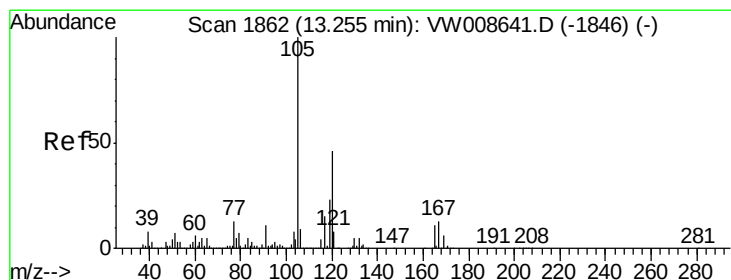
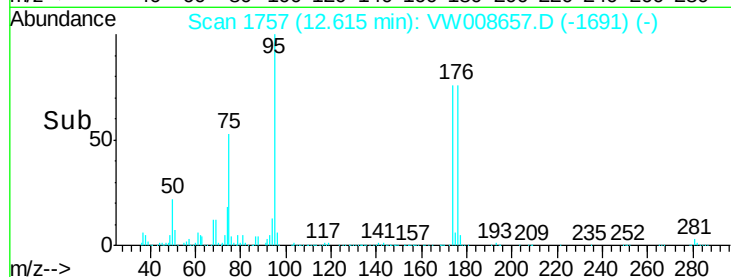
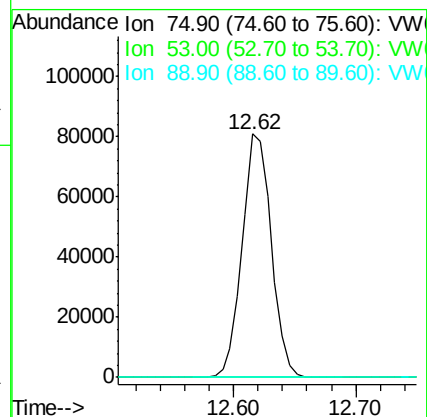
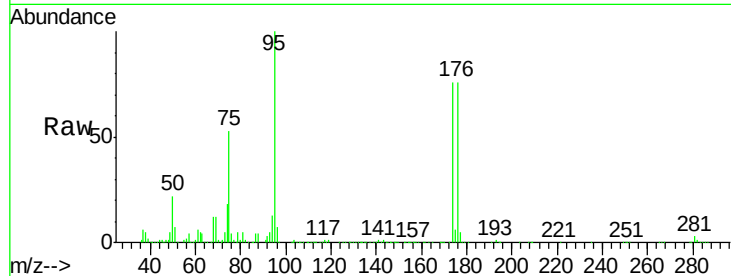
Tot Ion: 75 Resp: 133710

Ion Ratio Lower Upper

75 100

53 0.1 87.4 131.0#

89 0.0 37.0 55.4#



#84

1,2,4-Trimethylbenzene

Concen: 1.978 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW008657.D

Acq: 13 Feb 2019 23:45

Tgt Ion: 105 Resp: 33794

Ion Ratio Lower Upper

105 100

120 45.6 22.9 68.8

