

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082119\
 Data File : VW012065.D
 Acq On : 21 Aug 2019 12:17
 Operator : SY/VA
 Sample : K4387-15RE
 Misc : 5.64G/5ML/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T4-A2-(2)

Quant Time: Aug 22 05:14:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	250166	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	410469	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	326155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	111952	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	151807	52.85	ug/l	0.00
Spiked Amount			Recovery	=	105.70%	
35) Dibromofluoromethane	7.88	113	123843	53.78	ug/l	0.00
Spiked Amount			Recovery	=	107.56%	
50) Toluene-d8	10.32	98	494750	52.47	ug/l	0.00
Spiked Amount			Recovery	=	104.94%	
62) 4-Bromofluorobenzene	12.62	95	147269	43.81	ug/l	0.00
Spiked Amount			Recovery	=	87.62%	

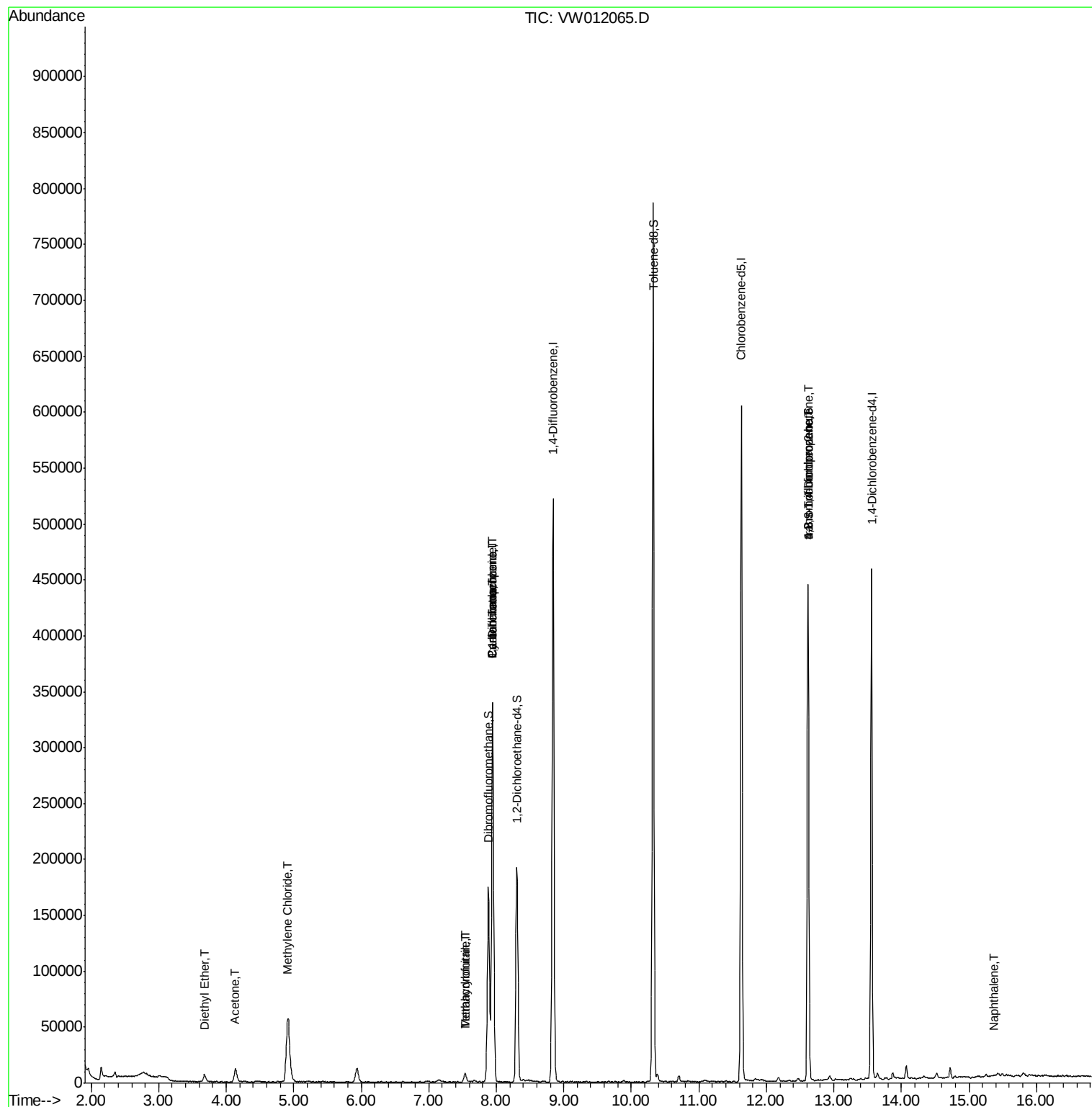
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	3379	2.291	ug/l	92
11) Tert butyl alcohol	5.19	59	416	Below Cal	#	67
16) Acetone	4.14	43	22240	24.339	ug/l	94
20) Methylene Chloride	4.92	84	45048	14.295	ug/l	98
29) Tetrahydrofuran	7.54	42	7179	10.504	ug/l	100
31) Cyclohexane	7.94	56	6196	1.154	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20870	4.890	ug/l #	51
38) Carbon Tetrachloride	7.95	117	24559	6.721	ug/l #	17
41) Methacrylonitrile	7.54	41	4110	2.800	ug/l #	56
76) 1,2,3-Trichloropropane	12.62	75	76817	64.847	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	76817	149.451	ug/l #	6
95) Naphthalene	15.37	128	633	2.203	ug/l #	81

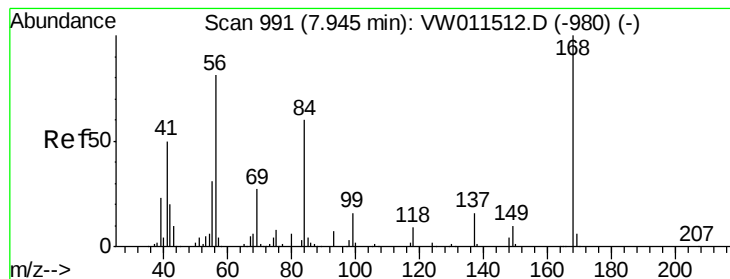
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW082119\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012065.D

Acq: 21 Aug 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

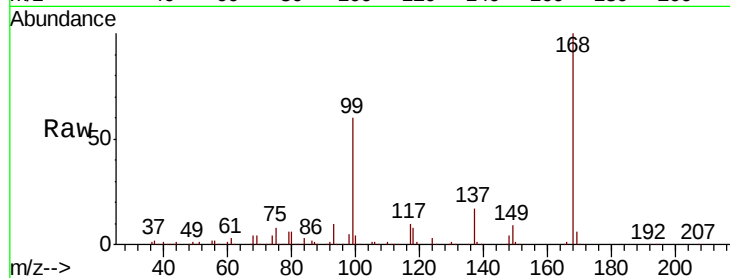
T4-A2-(2)

Tgt Ion:168 Resp: 250166

Ion Ratio Lower Upper

168 100

99 59.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

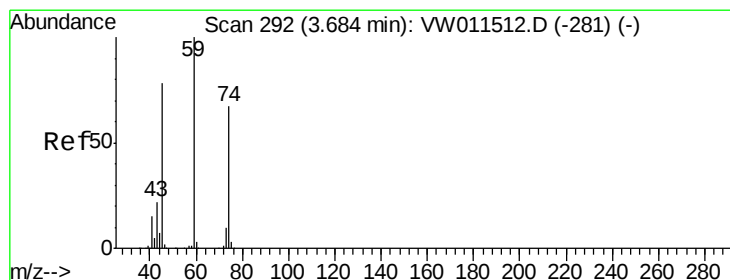
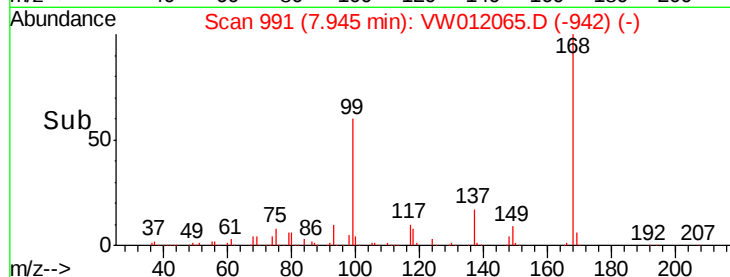
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#8

Diethyl Ether

Concen: 2.291 ug/l

RT: 3.68 min Scan# 292

Delta R.T. -0.00 min

Lab File: VW012065.D

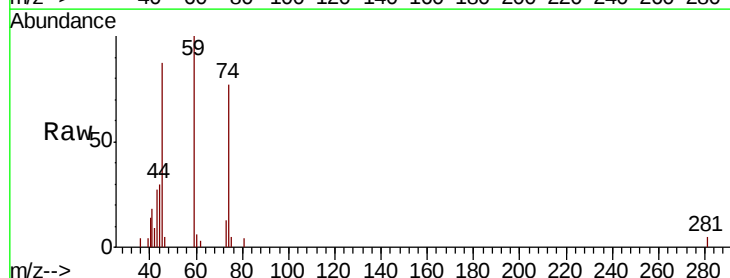
Acq: 21 Aug 2019 12:17

Tgt Ion: 74 Resp: 3379

Ion Ratio Lower Upper

74 100

45 128.2 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

2000

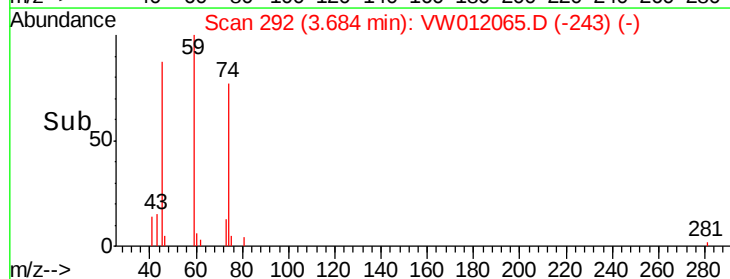
1500

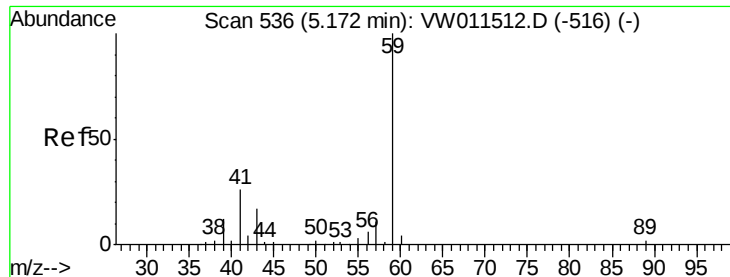
1000

500

0

Time--> 3.60 3.65 3.70 3.75



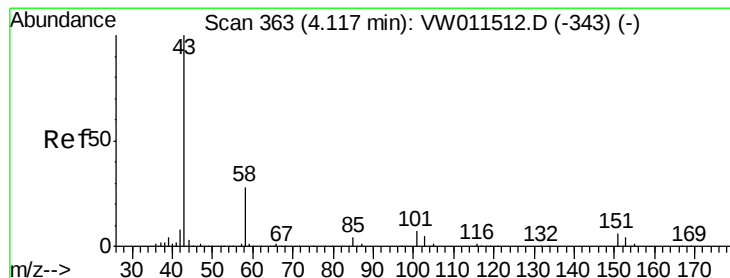
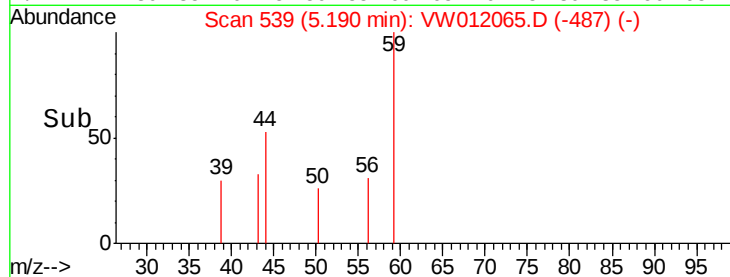
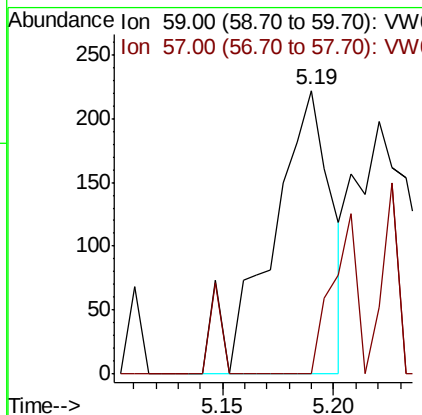
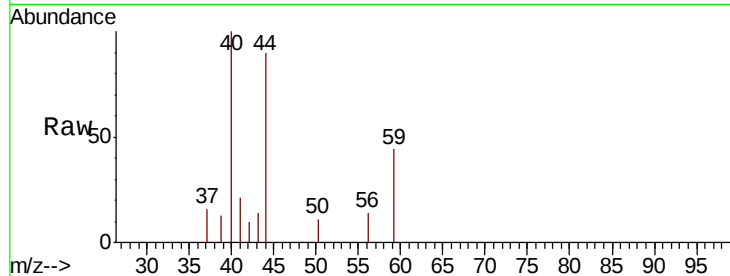


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.19 min Scan# 539
 Delta R.T. 0.02 min
 Lab File: VW012065.D
 Acq: 21 Aug 2019 12:17

Instrument :
 MSVOA_W
 ClientSampleId :
 T4-A2-(2)

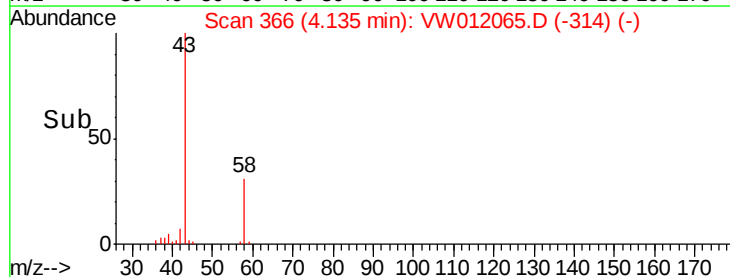
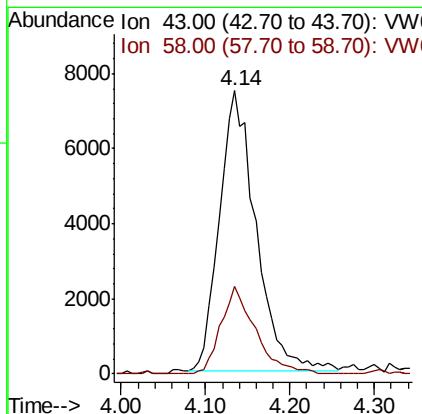
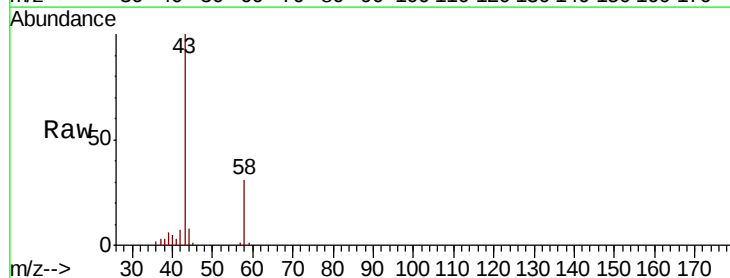
Tgt Ion: 59 Resp: 416
 Ion Ratio Lower Upper
 59 100
 57 23.1 8.5 12.7#

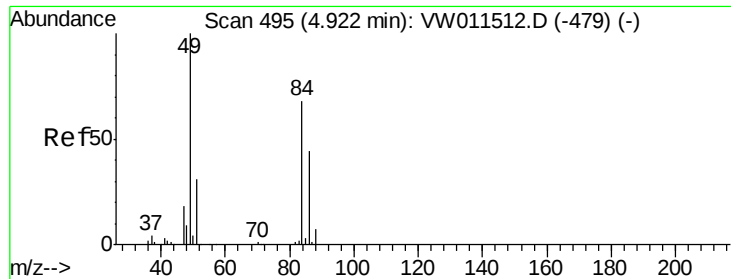


#16

Acetone
 Concen: 24.339 ug/l
 RT: 4.14 min Scan# 366
 Delta R.T. 0.02 min
 Lab File: VW012065.D
 Acq: 21 Aug 2019 12:17

Tgt Ion: 43 Resp: 22240
 Ion Ratio Lower Upper
 43 100
 58 31.2 22.3 33.5

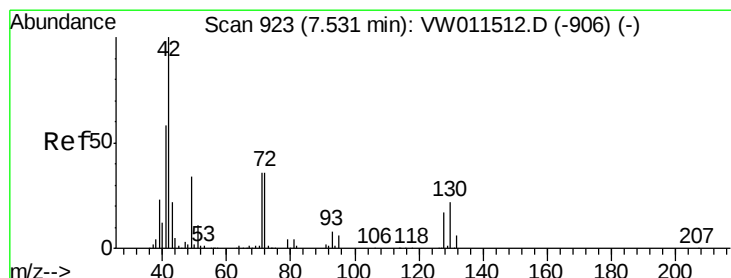
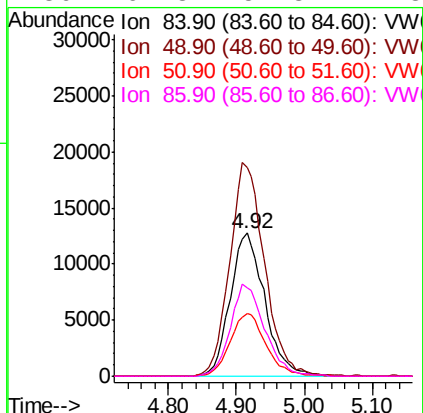
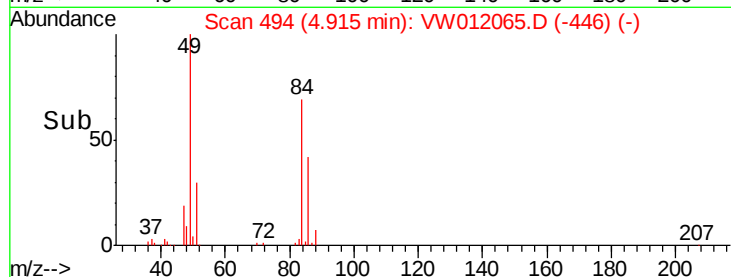
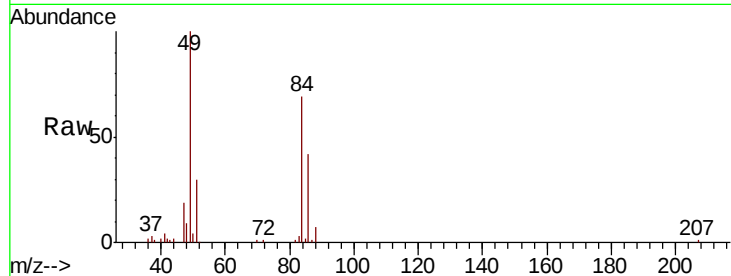




#20
Methylene Chloride
Concen: 14.295 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012065.D
Acq: 21 Aug 2019 12:17

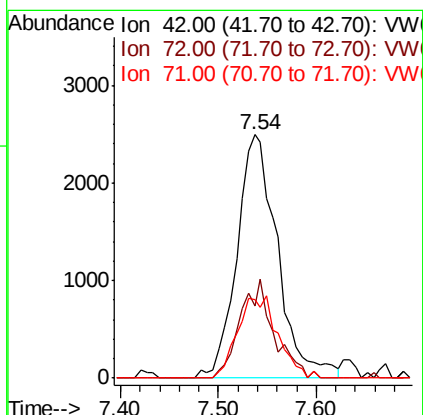
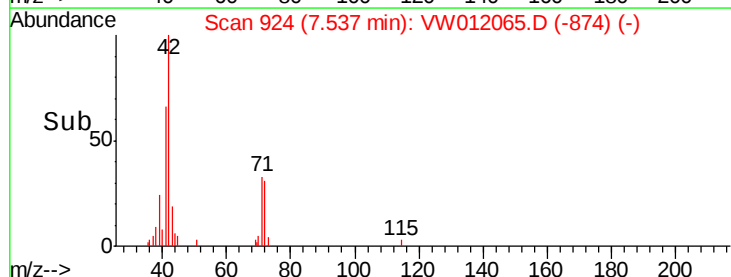
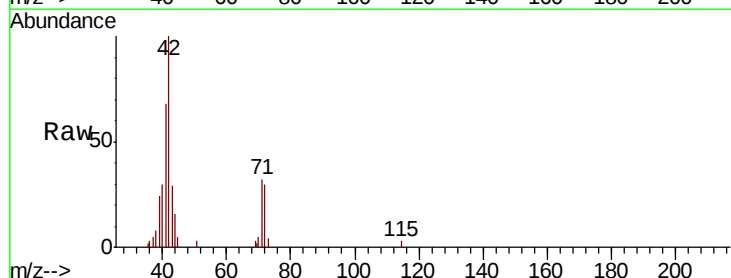
Instrument :
MSVOA_W
ClientSampleId :
T4-A2-(2)

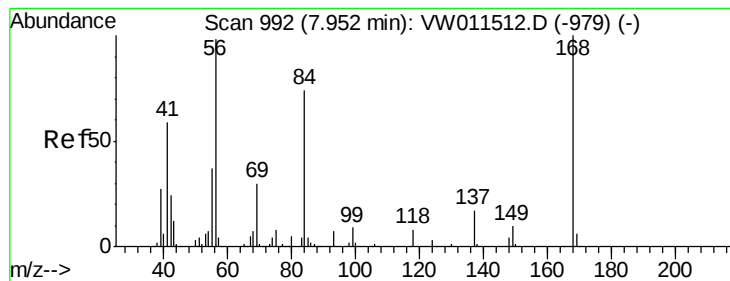
Tgt Ion: 84 Resp: 45048
Ion Ratio Lower Upper
84 100
49 145.7 117.8 176.6
51 43.5 37.0 55.4
86 61.8 51.8 77.8



#29
Tetrahydrofuran
Concen: 10.504 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012065.D
Acq: 21 Aug 2019 12:17

Tgt Ion: 42 Resp: 7179
Ion Ratio Lower Upper
42 100
72 33.7 27.1 40.7
71 33.1 26.2 39.4





#31

Cyclohexane

Concen: 1.154 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012065.D

Acq: 21 Aug 2019 12:17

Instrument :

MSVOA_W

ClientSampled :

T4-A2-(2)

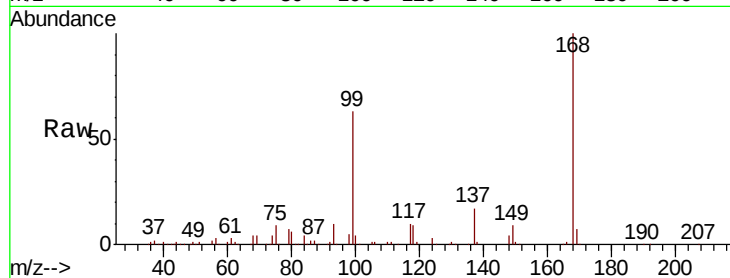
Tgt Ion: 56 Resp: 6196

Ion Ratio Lower Upper

56 100

69 165.0 24.3 36.5#

84 146.6 60.4 90.6#

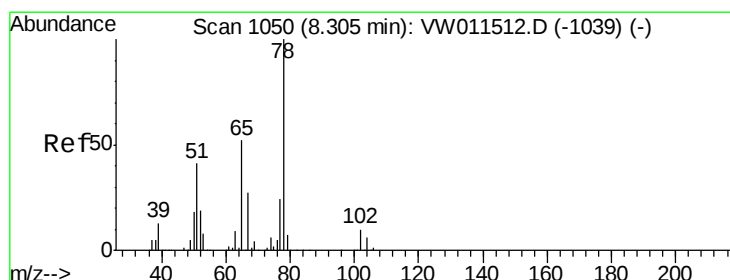
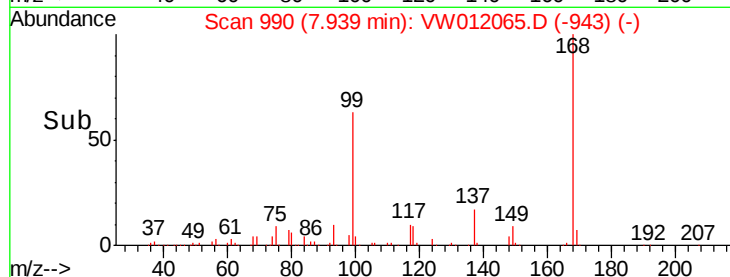
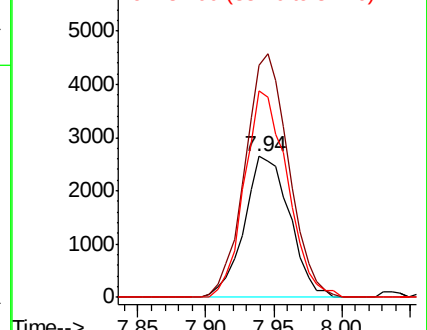


Abundance

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: 52.847 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012065.D

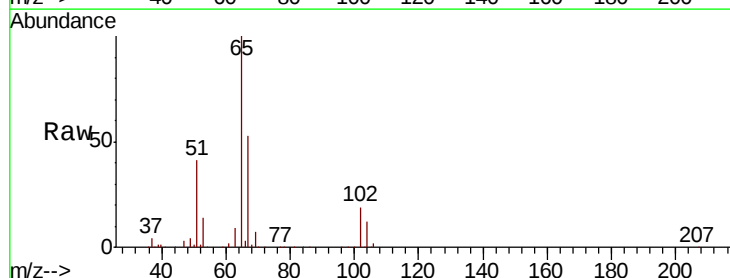
Acq: 21 Aug 2019 12:17

Tgt Ion: 65 Resp: 151807

Ion Ratio Lower Upper

65 100

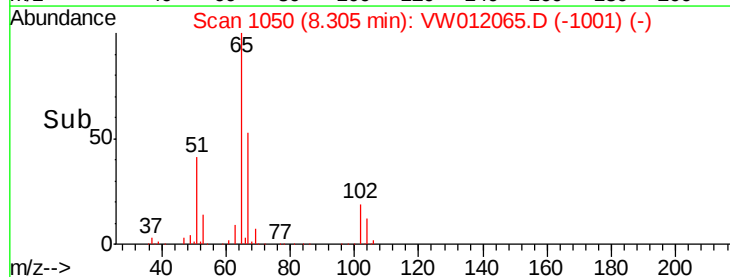
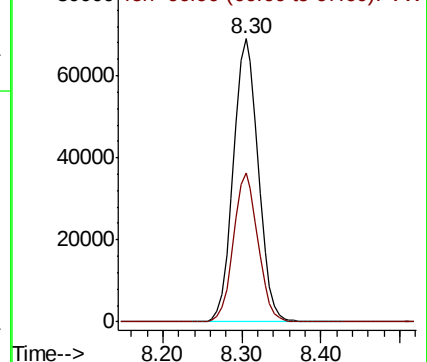
67 51.5 0.0 105.2

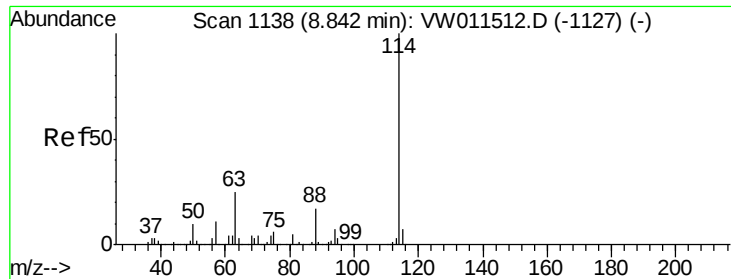


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

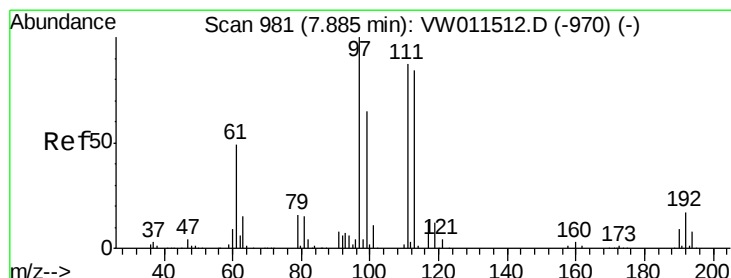
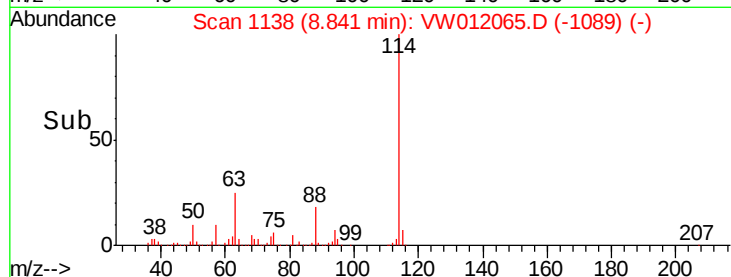
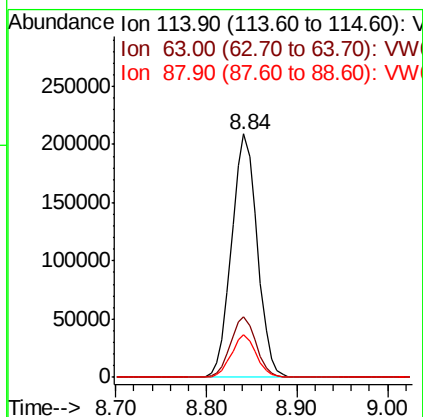
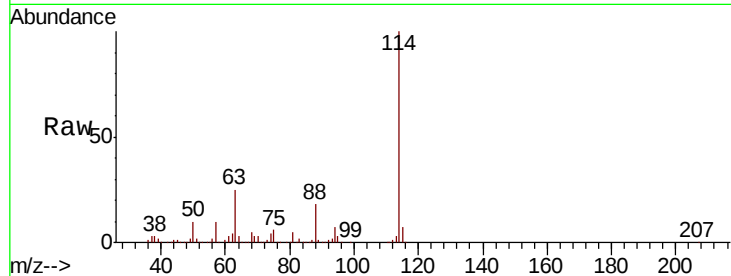




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012065.D
 Acq: 21 Aug 2019 12:17

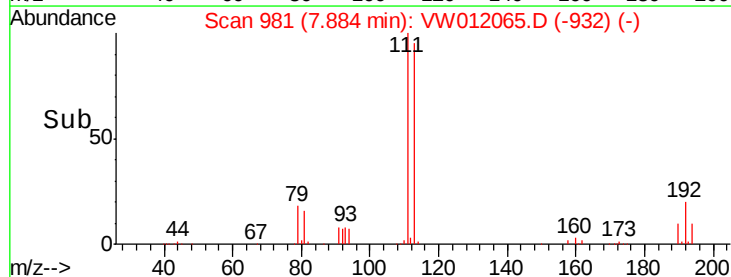
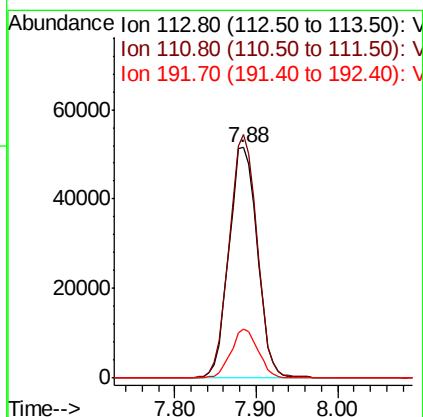
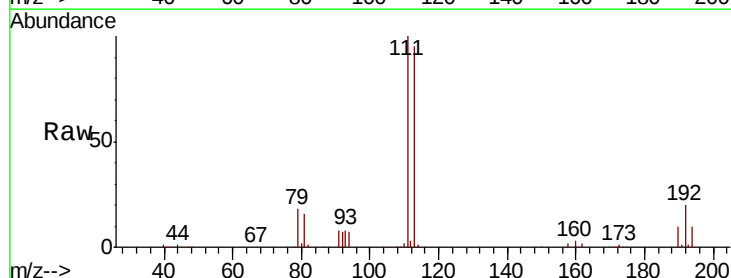
Instrument :
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 T4-A2-(2)

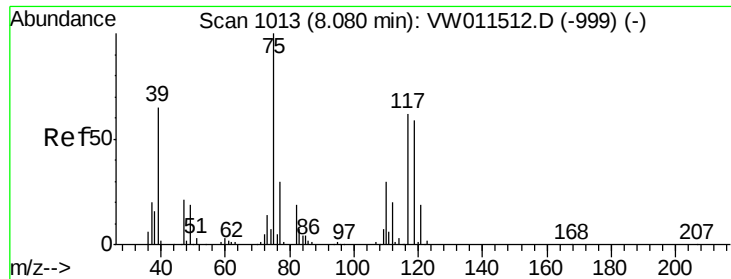
Tgt Ion:114 Resp: 410469
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 49.2
 88 17.6 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 53.779 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012065.D
 Acq: 21 Aug 2019 12:17

Tgt Ion:113 Resp: 123843
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.7 124.1
 192 20.4 16.1 24.1

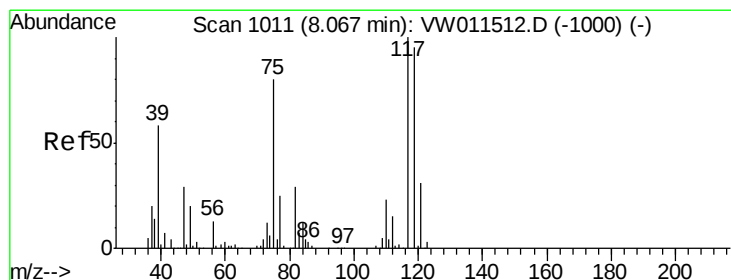
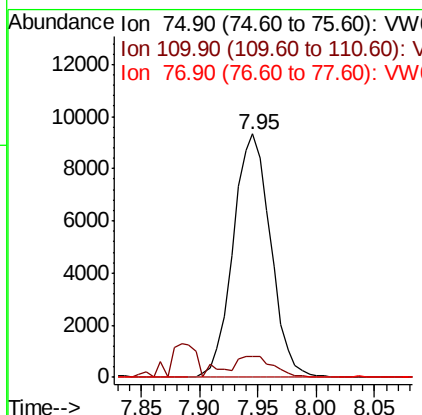
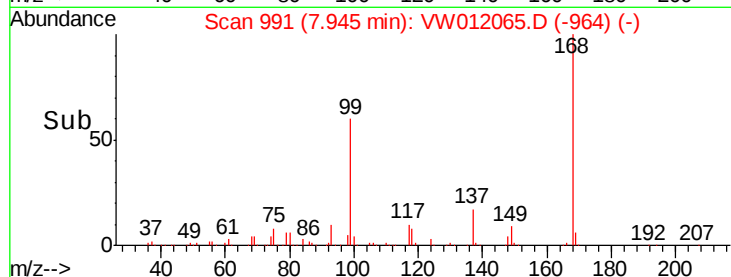
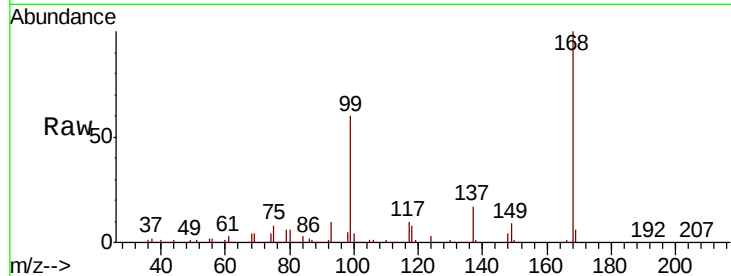




#36
 1,1-Dichloropropene
 Concen: 4.890 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012065.D
 Acq: 21 Aug 2019 12:17

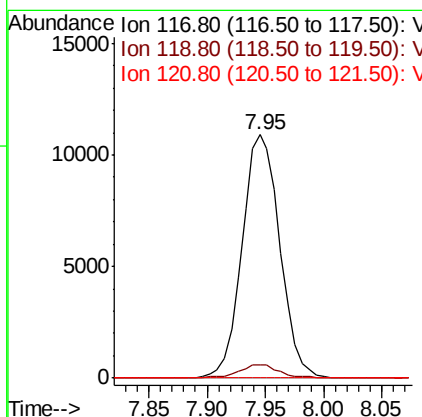
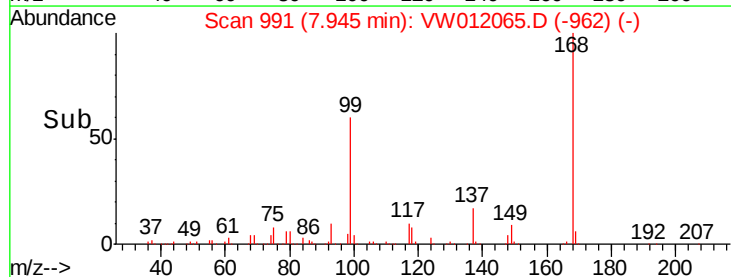
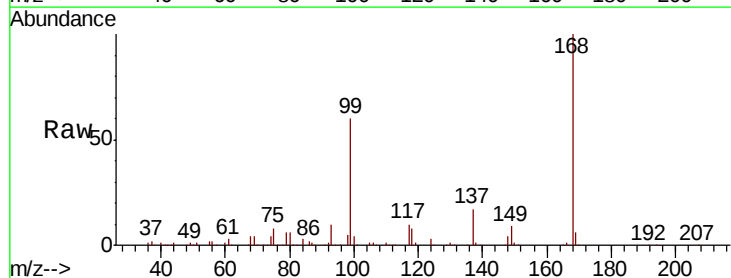
Instrument :
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 ClientSampleId :
 T4-A2-(2)

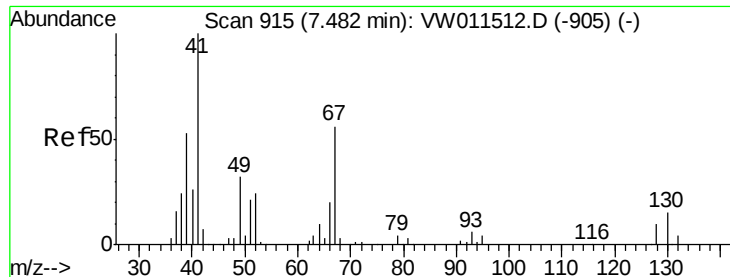
Tgt Ion: 75 Resp: 20870
 Ion Ratio Lower Upper
 75 100
 110 8.3 15.6 46.8#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 6.721 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012065.D
 Acq: 21 Aug 2019 12:17

Tgt Ion: 117 Resp: 24559
 Ion Ratio Lower Upper
 117 100
 119 5.4 75.8 113.6#
 121 0.0 24.7 37.1#





#41

Methacrylonitrile

Concen: 2.800 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW012065.D

Acq: 21 Aug 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

T4-A2-(2)

Tgt Ion: 41 Resp: 4110

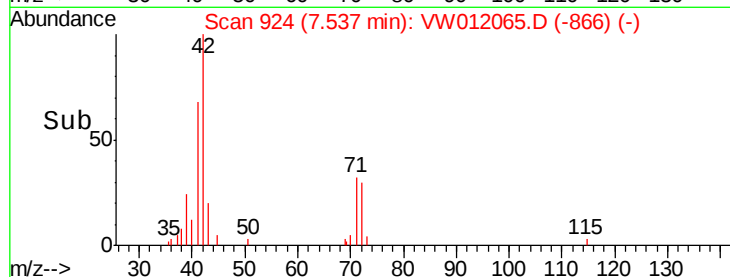
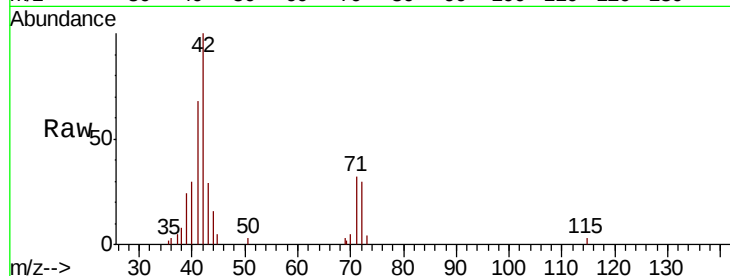
Ion Ratio Lower Upper

41 100

39 52.0 43.0 64.4

67 0.0 47.5 71.3#

52 0.0 21.0 31.6#

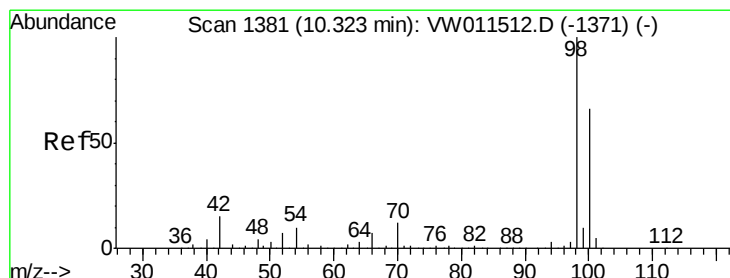
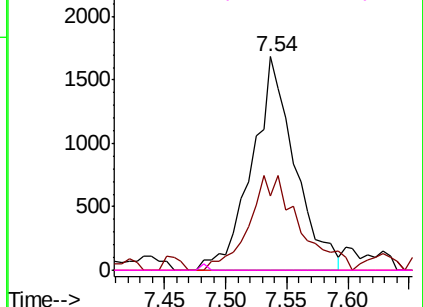


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#50

Toluene-d8

Concen: 52.475 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012065.D

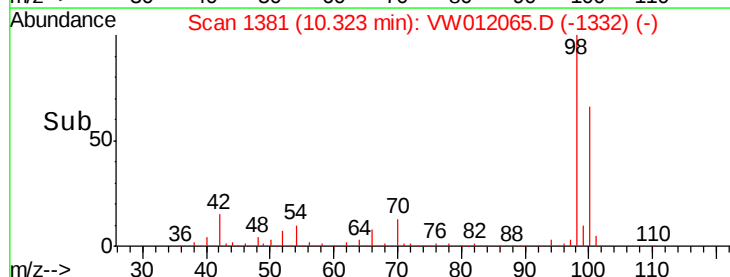
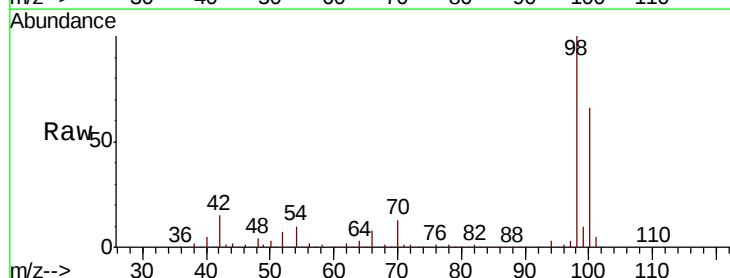
Acq: 21 Aug 2019 12:17

Tgt Ion: 98 Resp: 494750

Ion Ratio Lower Upper

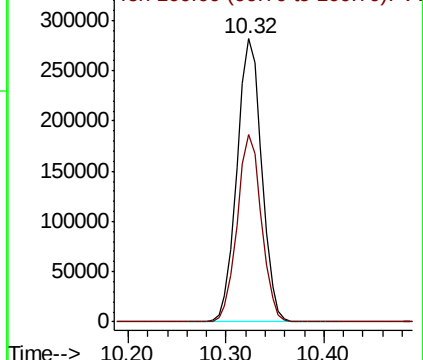
98 100

100 64.9 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 43.812 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW012065.D

Acq: 21 Aug 2019 12:17

Instrument :

MSVOA_W

ClientSampleId :

T4-A2-(2)

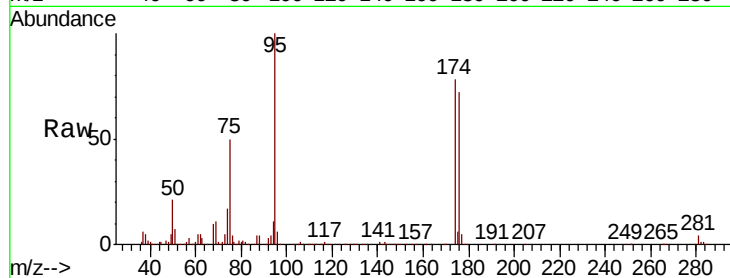
Tgt Ion: 95 Resp: 147269

Ion Ratio Lower Upper

95 100

174 75.3 0.0 150.2

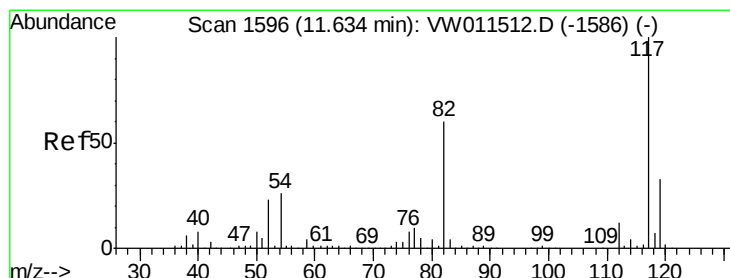
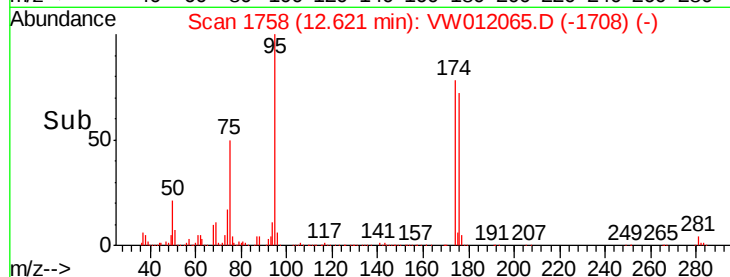
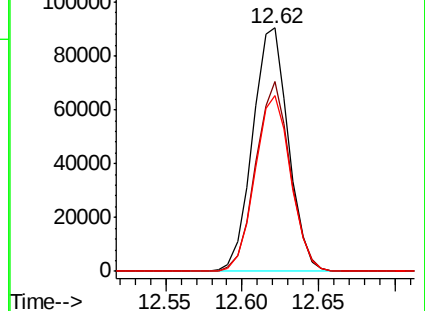
176 72.5 0.0 144.4



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: VW012065.D

Acq: 21 Aug 2019 12:17

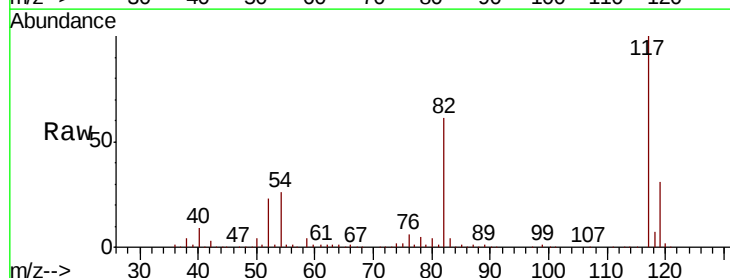
Tgt Ion: 117 Resp: 326155

Ion Ratio Lower Upper

117 100

82 60.6 47.9 71.9

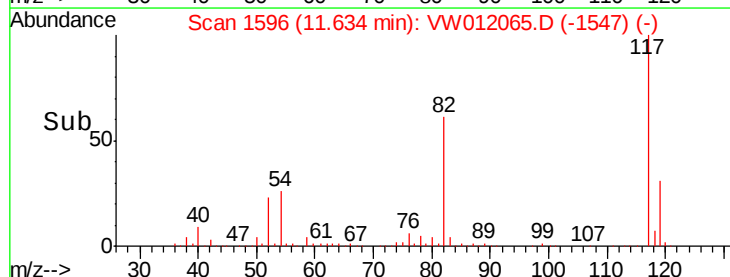
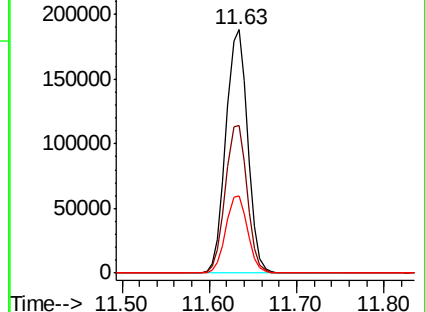
119 31.5 26.2 39.2

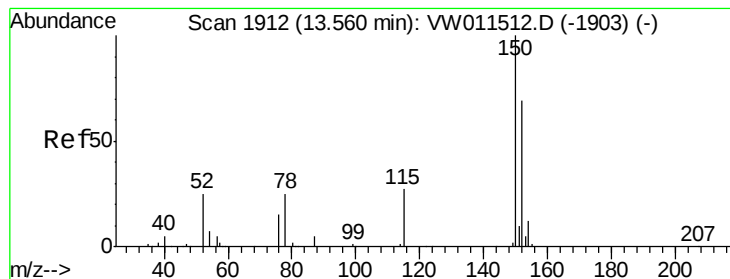


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW012065.D

Acq: 21 Aug 2019 12:17

Instrument :

MSVOA_W

ClientSampled :

T4-A2-(2)

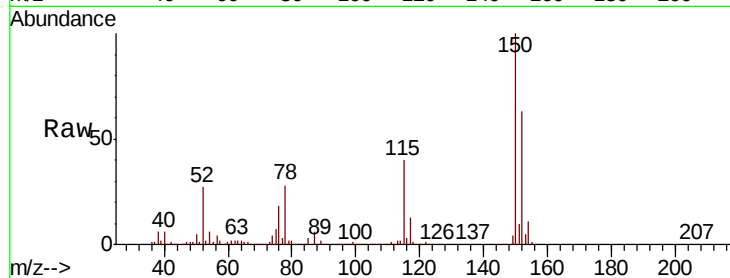
Tgt Ion:152 Resp: 111952

Ion Ratio Lower Upper

152 100

115 62.2 30.5 91.5

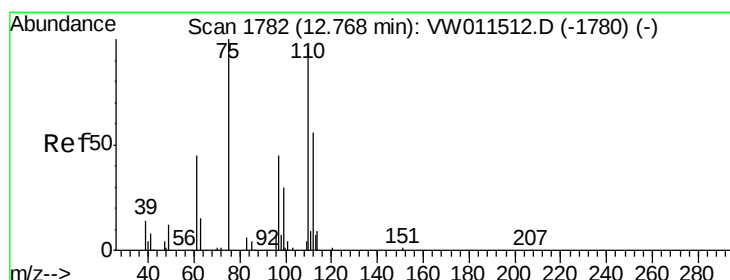
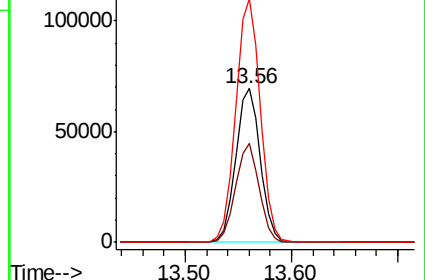
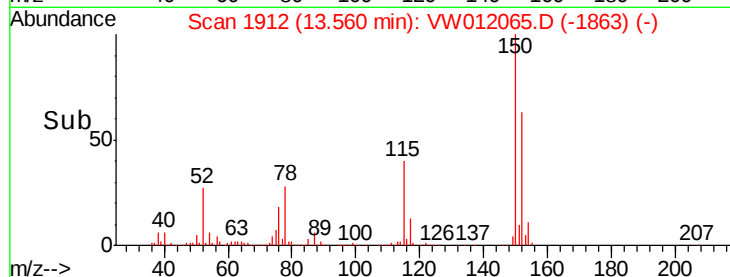
150 158.5 0.0 352.6



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: 64.847 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012065.D

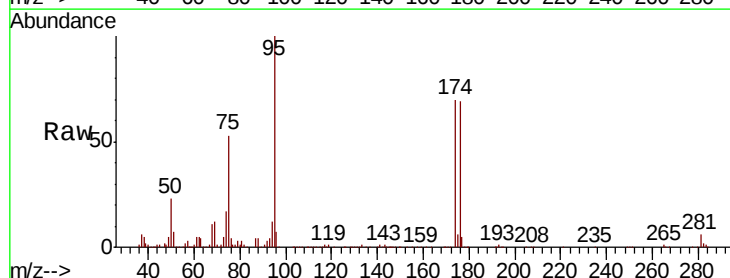
Acq: 21 Aug 2019 12:17

Tgt Ion: 75 Resp: 76817

Ion Ratio Lower Upper

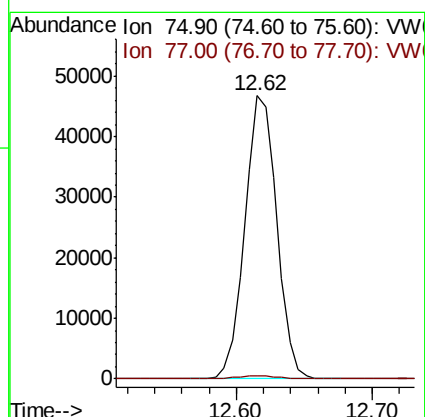
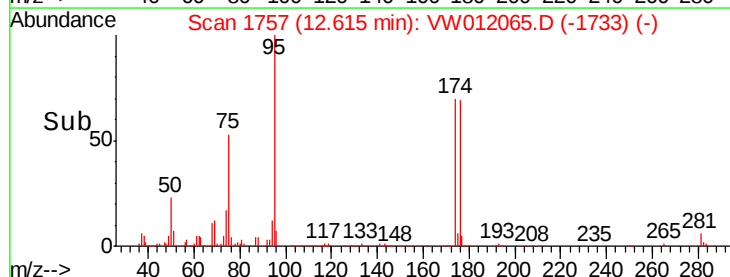
75 100

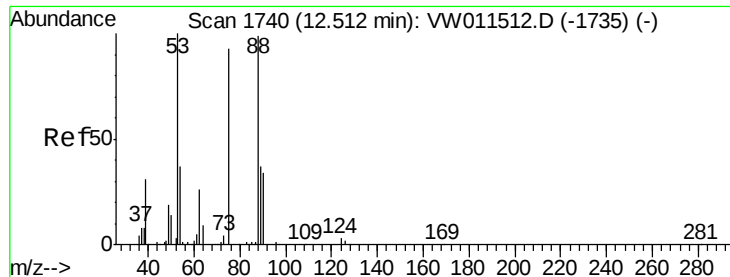
77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

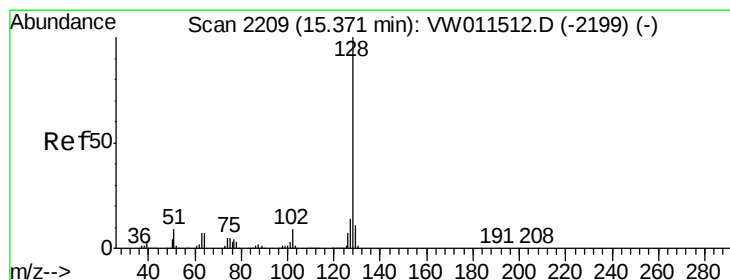
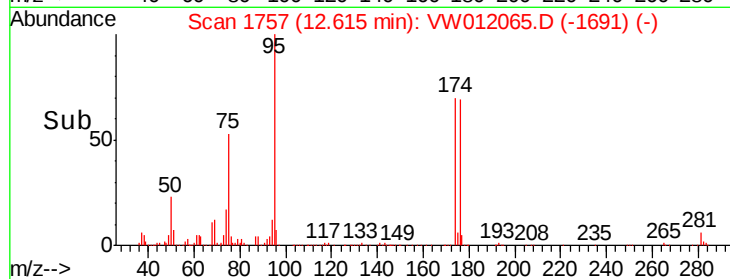
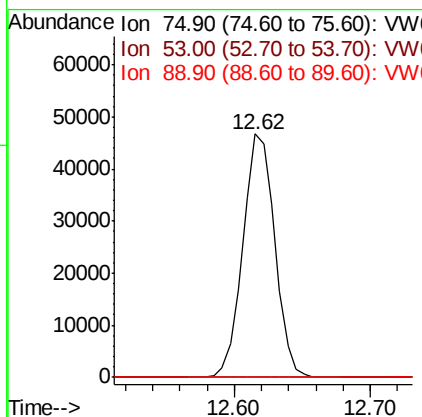
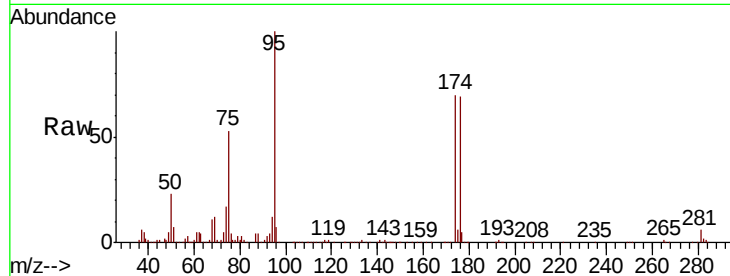




#81
trans-1,4-Dichloro-2-butene
Concen: 149.451 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012065.D
Acq: 21 Aug 2019 12:17

Instrument :
MSVOA_W
ClientSampleId :
T4-A2-(2)

Tgt Ion: 75 Resp: 76817
Ion Ratio Lower Upper
75 100
53 0.0 88.0 132.0#
89 0.1 35.3 52.9#



#95
Naphthalene
Concen: 2.203 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW012065.D
Acq: 21 Aug 2019 12:17

Tgt Ion: 128 Resp: 633
Ion Ratio Lower Upper
128 100
127 3.5 10.6 16.0#
129 6.3 8.6 13.0#

