

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082819\
 Data File : VW012250.D
 Acq On : 28 Aug 2019 13:32
 Operator : SY/VA
 Sample : K4560-10
 Misc : 6.64G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 28 17:25:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	233083	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	377511	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	287227	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	87853	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	135712	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	
35) Dibromofluoromethane	7.88	113	111744	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
50) Toluene-d8	10.32	98	451047	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
62) 4-Bromofluorobenzene	12.62	95	121396	37.69	ug/l	0.00
Spiked Amount			Recovery	=	75.38%	

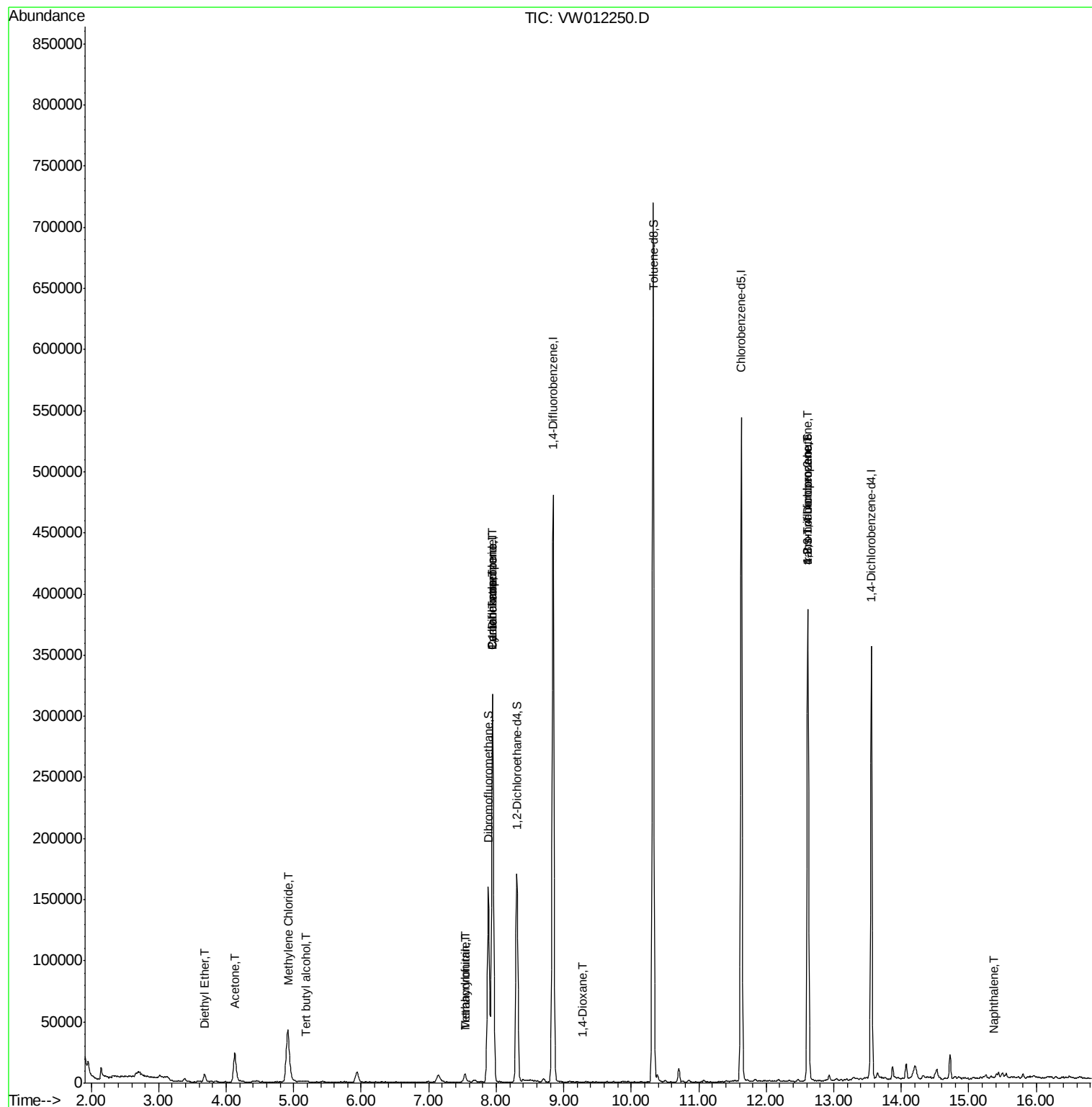
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	3266	2.518	ug/l	94
11) Tert butyl alcohol	5.19	59	1248	7.485	ug/l #	77
16) Acetone	4.13	43	44285	62.525	ug/l	100
20) Methylene Chloride	4.92	84	32032	11.963	ug/l	93
29) Tetrahydrofuran	7.53	42	5933	10.275	ug/l	97
31) Cyclohexane	7.95	56	5762	1.155	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19955	5.115	ug/l #	51
38) Carbon Tetrachloride	7.94	117	23341	6.913	ug/l #	17
41) Methacrylonitrile	7.54	41	3427	2.728	ug/l #	53
49) 1,4-Dioxane	9.27	88	23	1.178	ug/l #	14
76) 1,2,3-Trichloropropane	12.62	75	63928	74.715	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	63928	163.815	ug/l #	6
95) Naphthalene	15.37	128	697	4.513	ug/l #	72

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

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MSVOA_W
ClientSampleId :

Quant Time: Aug 28 17:25:40 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 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: VW012250.D

Acq: 28 Aug 2019 13:32

Instrument :

MSVOA_W

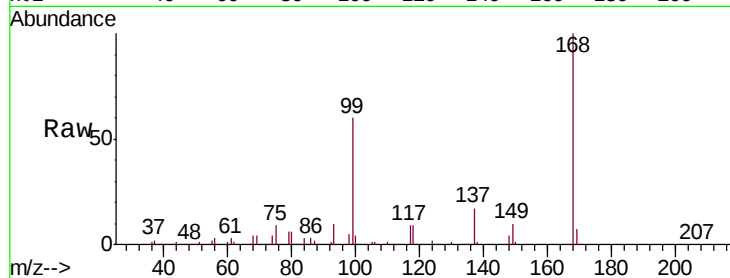
ClientSampled :

Tot Ion:168 Resp: 233083

Ion Ratio Lower Upper

168 100

99 59.7 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

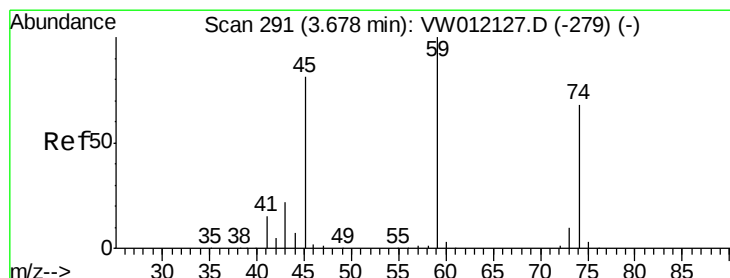
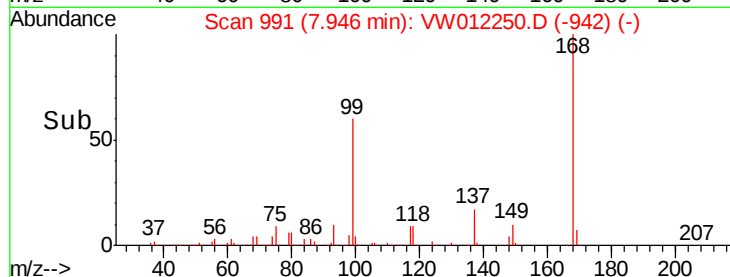
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 2.518 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VW012250.D

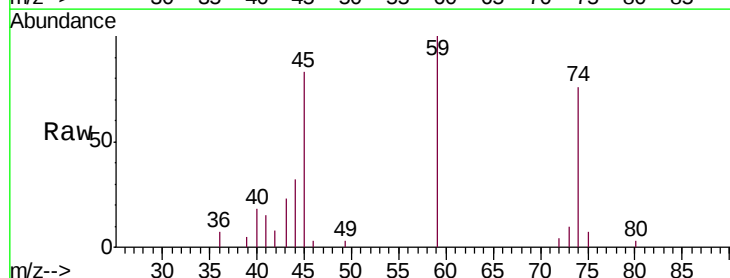
Acq: 28 Aug 2019 13:32

Tgt Ion: 74 Resp: 3266

Ion Ratio Lower Upper

74 100

45 125.3 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

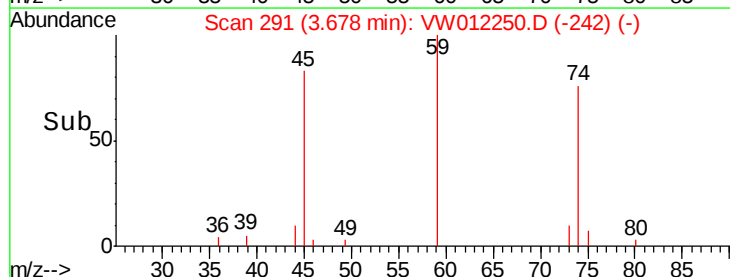
1500

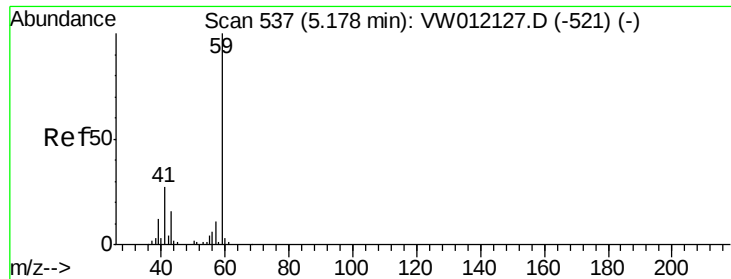
1000

500

0

Time-->



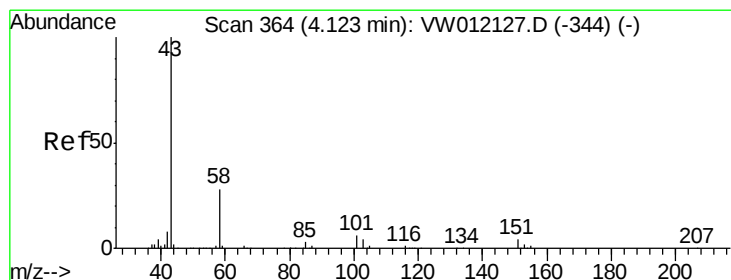
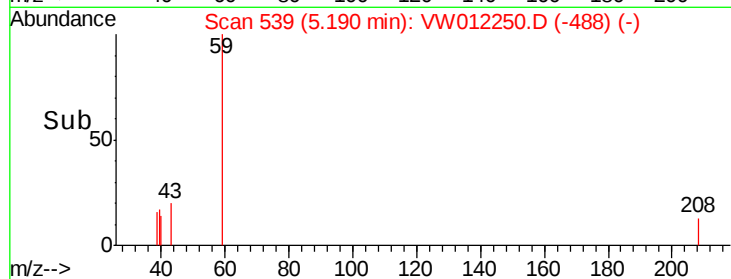
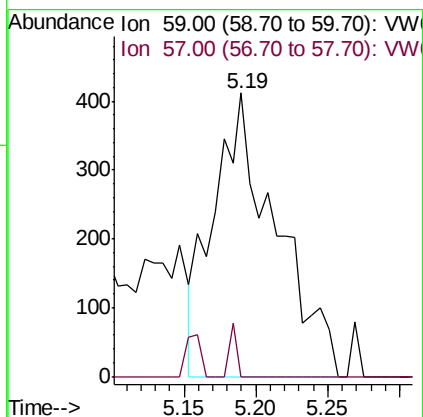
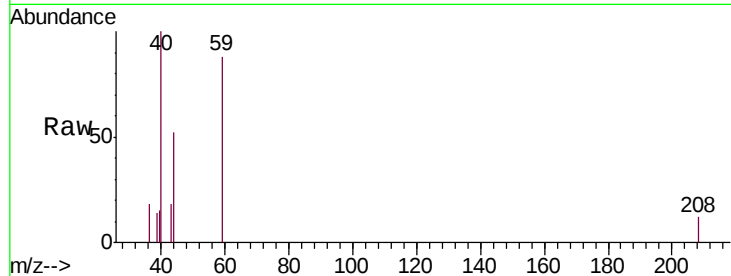


#11

Tert butyl alcohol
 Concen: 7.485 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.01 min
 Lab File: VW012250.D
 Acq: 28 Aug 2019 13:32

Instrument :
 MSVOA_W
 ClientSampled :

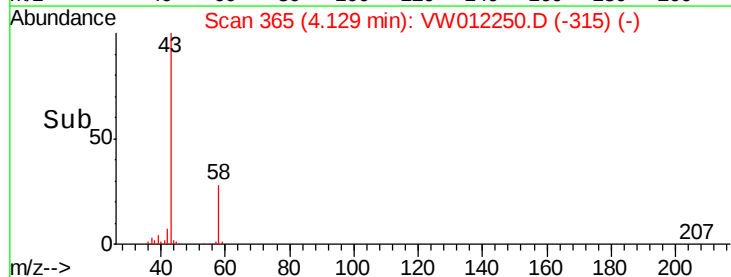
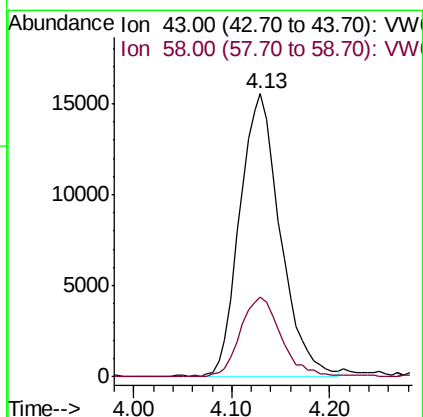
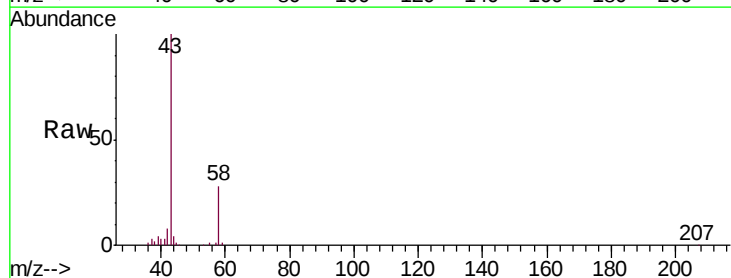
Tot Ion: 59 Resp: 1248
 Ion Ratio Lower Upper
 59 100
 57 2.2 9.0 13.4#

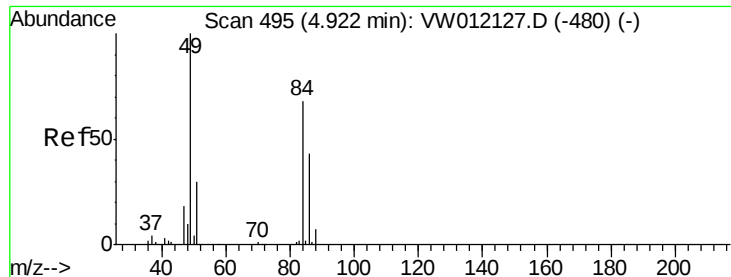


#16

Acetone
 Concen: 62.525 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VW012250.D
 Acq: 28 Aug 2019 13:32

Tgt Ion: 43 Resp: 44285
 Ion Ratio Lower Upper
 43 100
 58 28.3 22.4 33.6





#20

Methylene Chloride

Concen: 11.963 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW012250.D

Acq: 28 Aug 2019 13:32

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 84 Resp: 32032

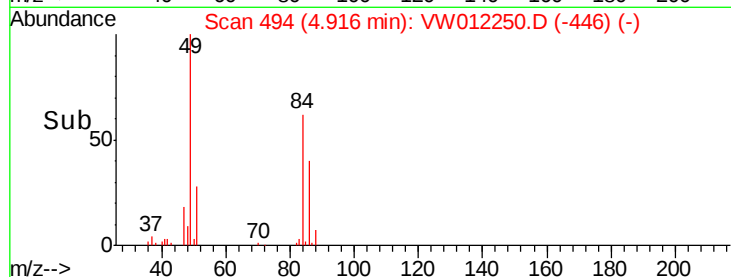
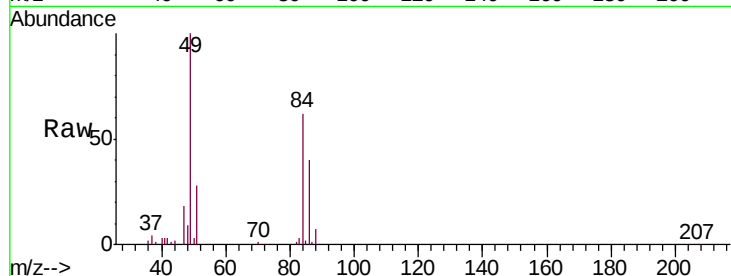
Ion	Ratio	Lower	Upper
84	100		
49	161.8	117.8	176.8
51	45.8	35.6	53.4
86	64.0	51.2	76.8

84 100

49 161.8 117.8 176.8

51 45.8 35.6 53.4

86 64.0 51.2 76.8



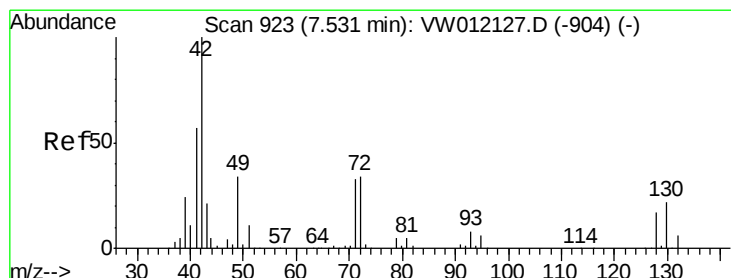
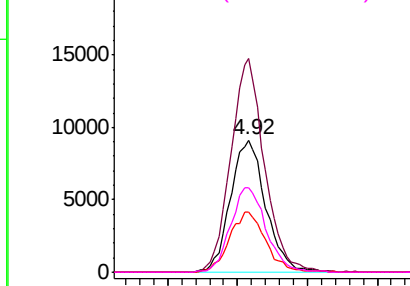
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#29

Tetrahydrofuran

Concen: 10.275 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW012250.D

Acq: 28 Aug 2019 13:32

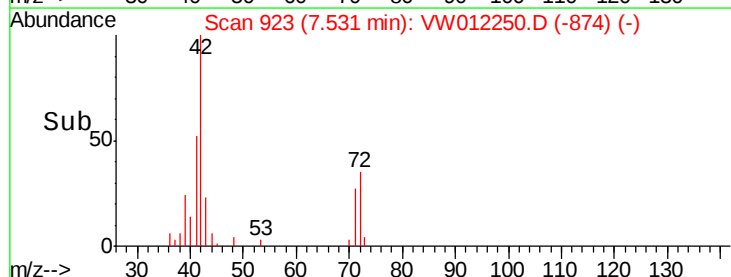
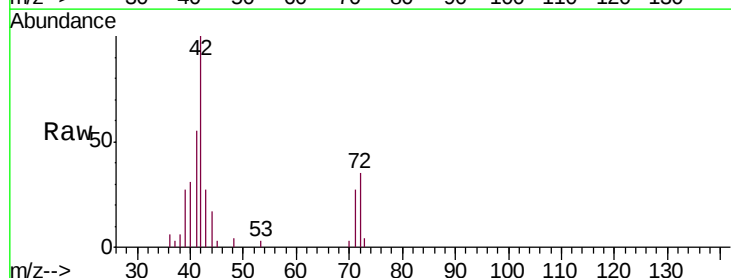
Tgt Ion: 42 Resp: 5933

Ion	Ratio	Lower	Upper
42	100		
72	32.9	27.3	40.9
71	30.1	25.5	38.3

42 100

72 32.9 27.3 40.9

71 30.1 25.5 38.3

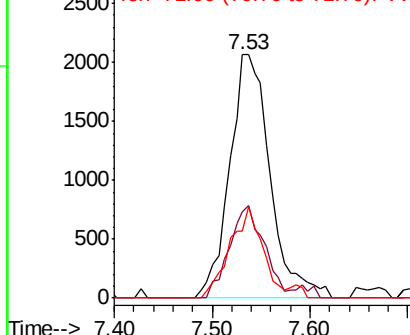


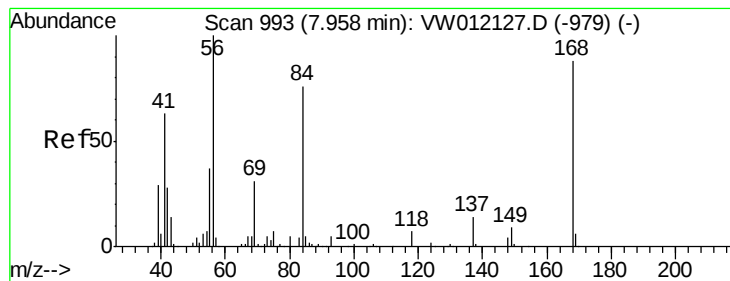
Abundance

Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.155 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

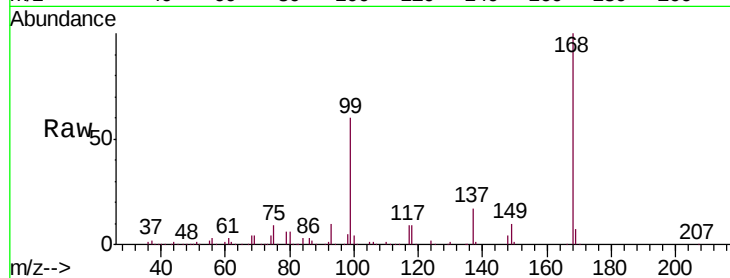
Lab File: VW012250.D

Acq: 28 Aug 2019 13:32

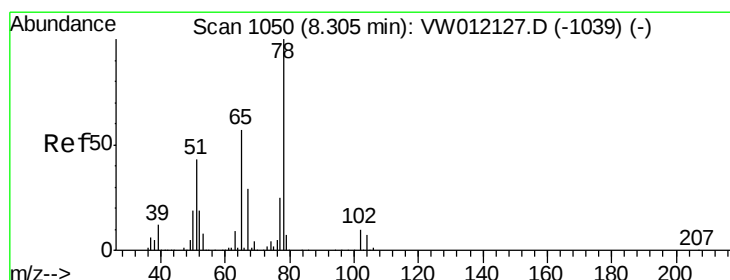
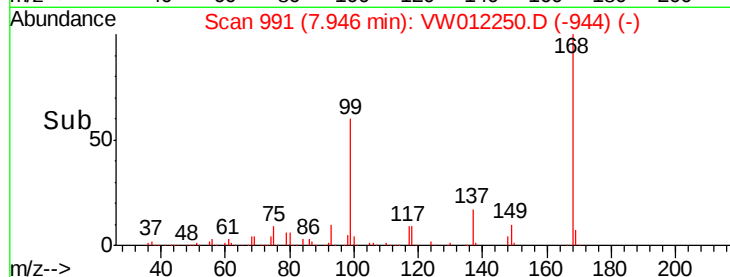
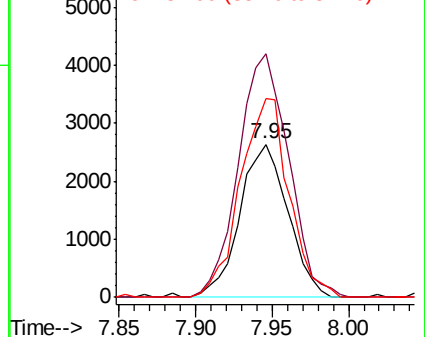
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 5762

Ion	Ratio	Lower	Upper
56	100		
69	159.2	24.9	37.3#
84	129.8	60.6	90.8#



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: 48.980 ug/l

RT: 8.31 min Scan# 1050

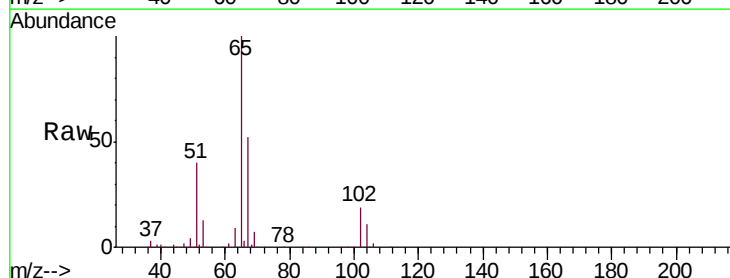
Delta R.T. 0.00 min

Lab File: VW012250.D

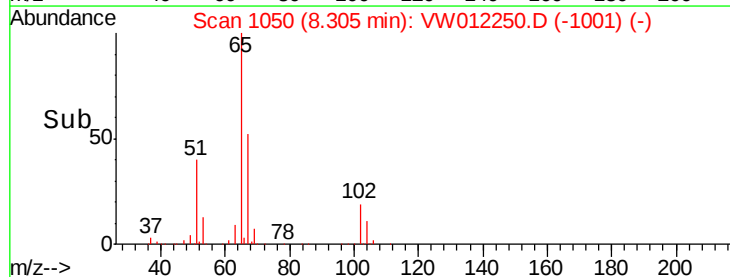
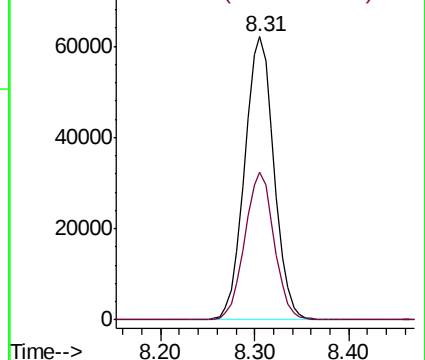
Acq: 28 Aug 2019 13:32

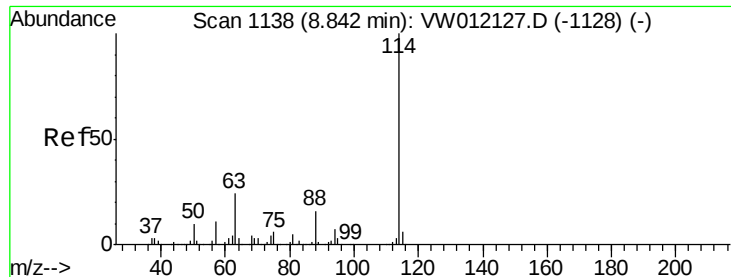
Tgt Ion: 65 Resp: 135712

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	102.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

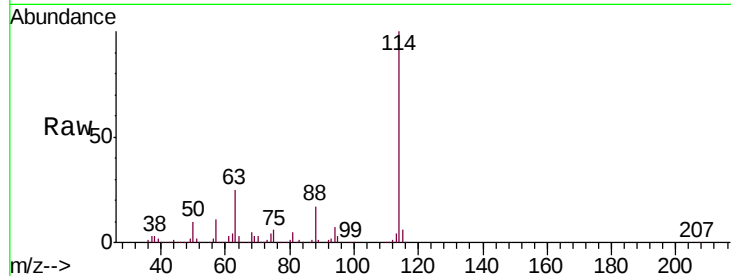




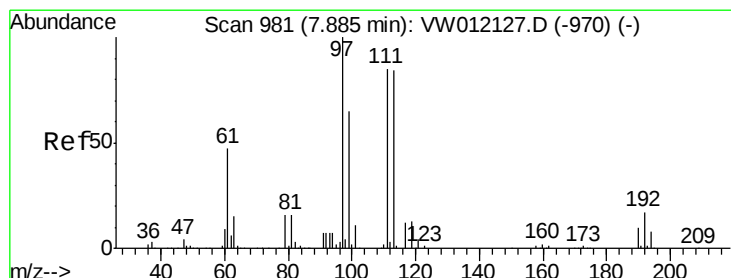
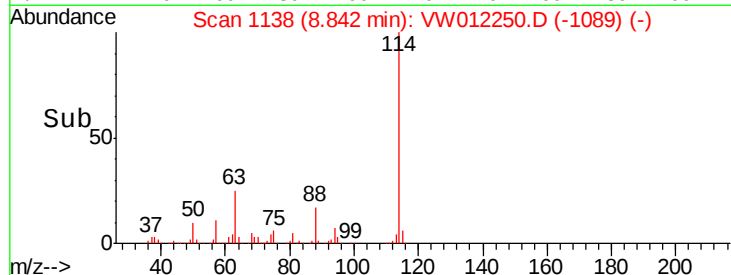
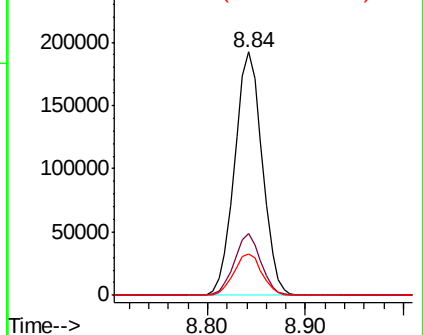
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012250.D
 Acq: 28 Aug 2019 13:32

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:114 Resp: 377511
 Ion Ratio Lower Upper
 114 100
 63 25.3 0.0 48.6
 88 17.1 0.0 32.2

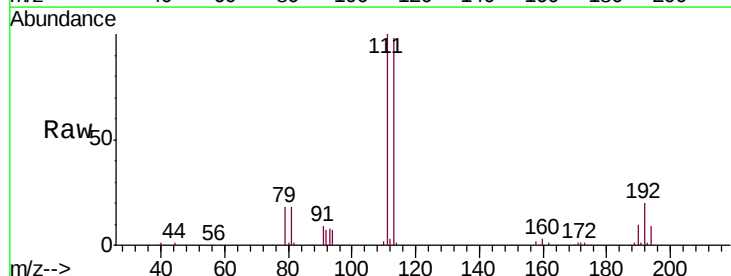


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

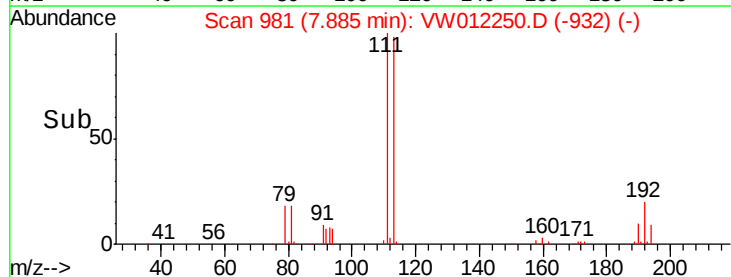
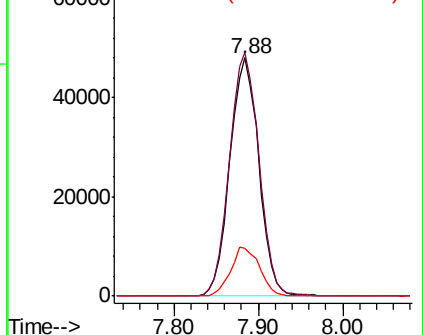


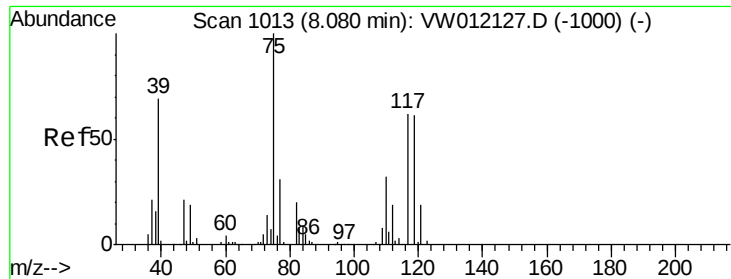
#35
 Dibromofluoromethane
 Concen: 49.590 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012250.D
 Acq: 28 Aug 2019 13:32

Tgt Ion:113 Resp: 111744
 Ion Ratio Lower Upper
 113 100
 111 103.9 82.7 124.1
 192 20.5 16.2 24.2



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

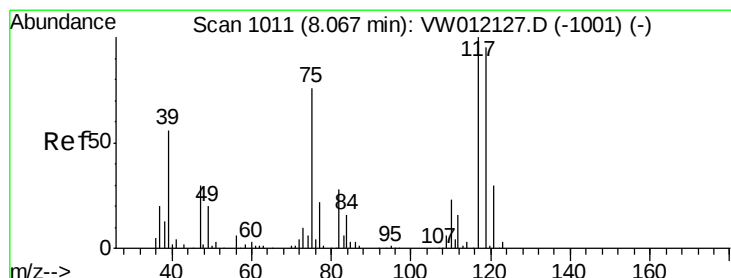
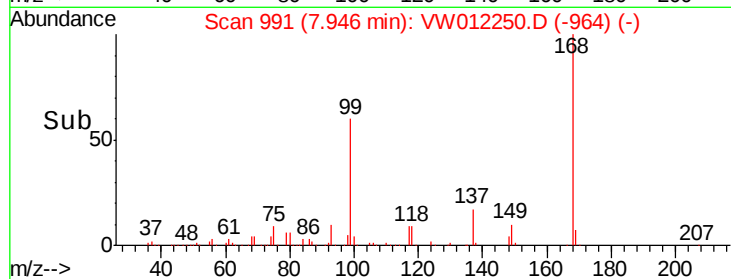
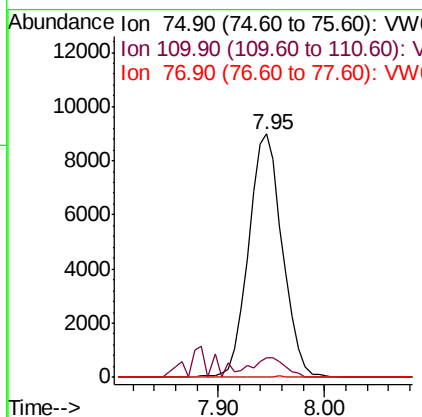
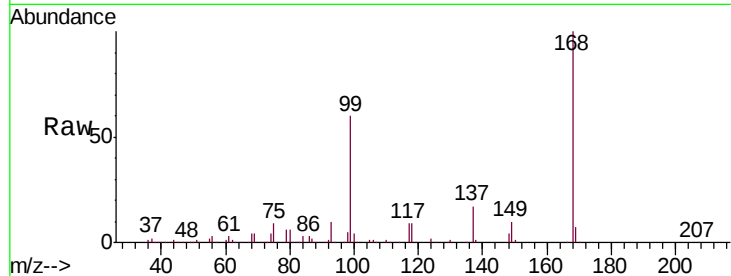




#36
 1,1-Dichloropropene
 Concen: 5.115 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012250.D
 Acq: 28 Aug 2019 13:32

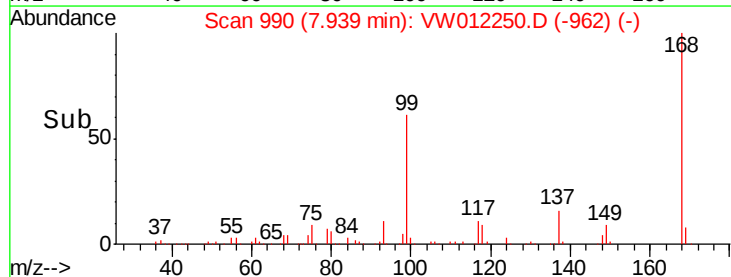
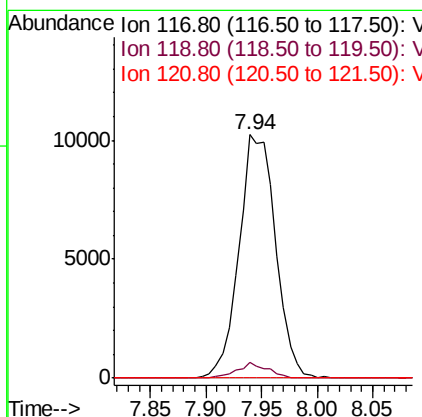
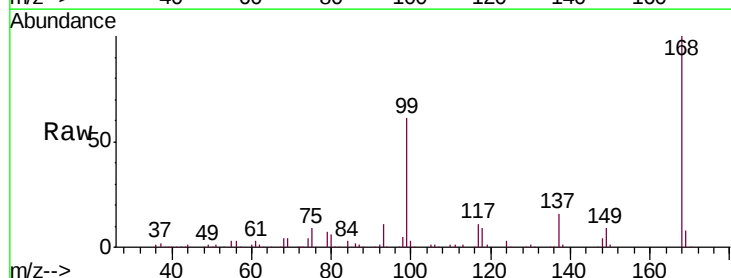
Instrument :
 MSVOA_W
 ClientSampled :

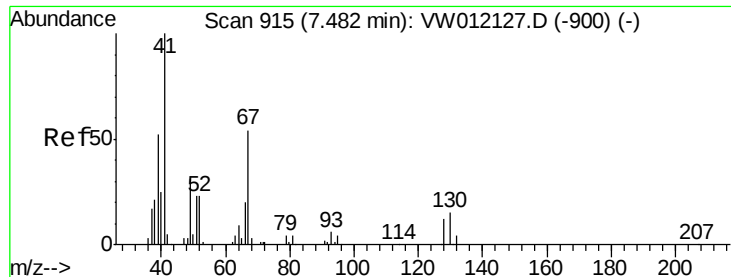
Tot Ion: 75 Resp: 19955
 Ion Ratio Lower Upper
 75 100
 110 7.7 15.6 46.8#
 77 0.1 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.913 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW012250.D
 Acq: 28 Aug 2019 13:32

Tgt Ion: 117 Resp: 23341
 Ion Ratio Lower Upper
 117 100
 119 6.6 76.2 114.2#
 121 0.0 23.8 35.8#





#41

Methacrylonitrile

Concen: 2.728 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW012250.D

Acq: 28 Aug 2019 13:32

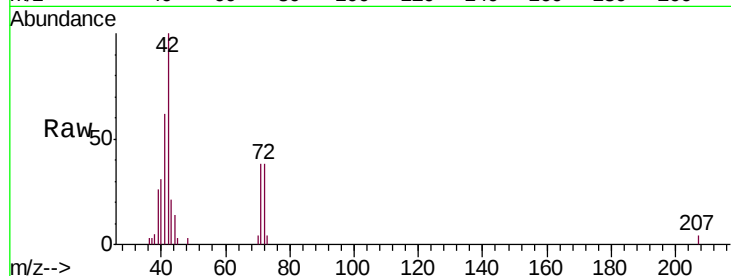
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 41 Resp: 3427

Ion	Ratio	Lower	Upper
41	100		
39	46.7	45.8	68.8
67	0.0	46.2	69.4#
52	0.0	21.0	31.6#

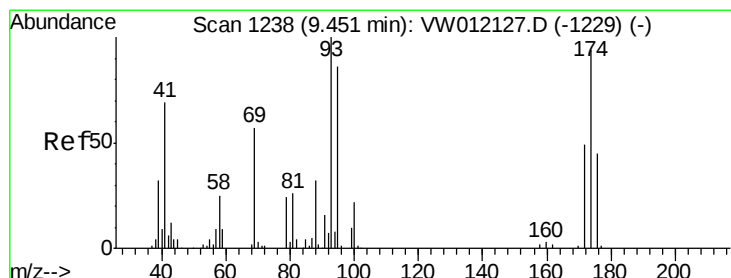
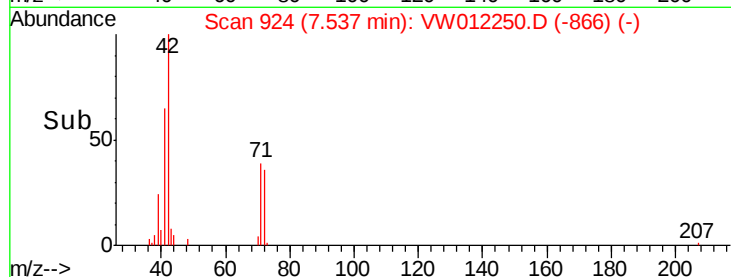
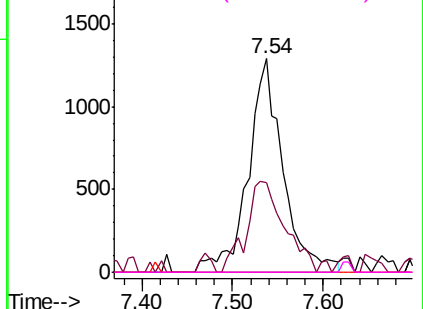


Abundance Ion 41.00 (40.70 to 41.70): VW

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



#49

1,4-Dioxane

Concen: 1.178 ug/l

RT: 9.27 min Scan# 1208

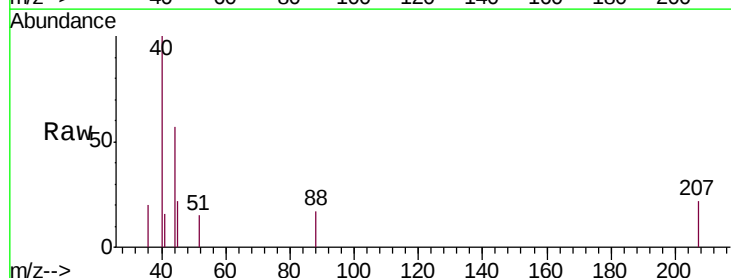
Delta R.T. -0.18 min

Lab File: VW012250.D

Acq: 28 Aug 2019 13:32

Tgt Ion: 88 Resp: 23

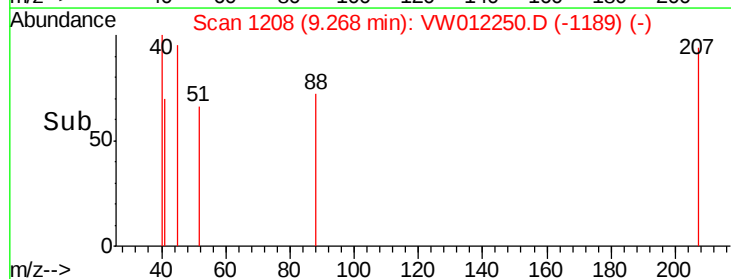
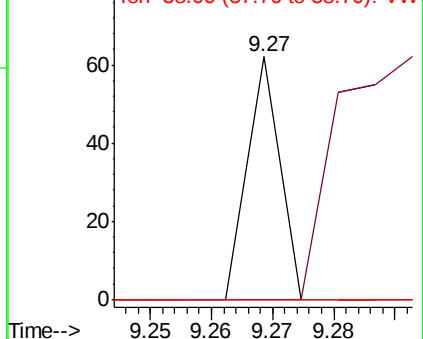
Ion	Ratio	Lower	Upper
88	100		
43	0.0	32.9	49.3#
58	0.0	71.0	106.4#

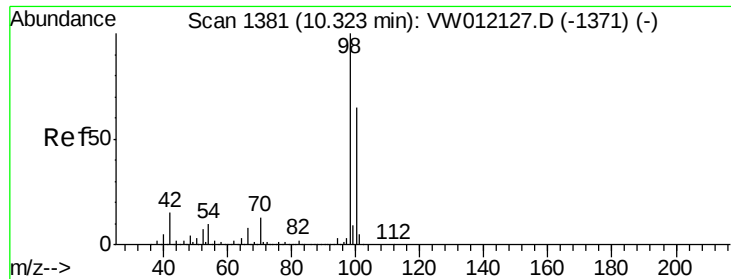


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 49.366 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012250.D

Acq: 28 Aug 2019 13:32

Instrument :

MSVOA_W

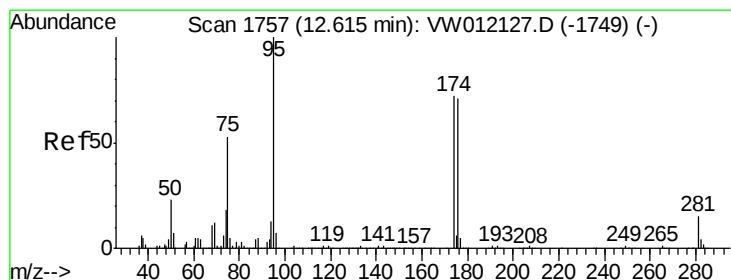
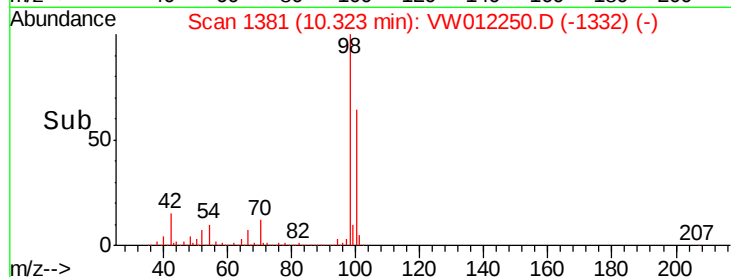
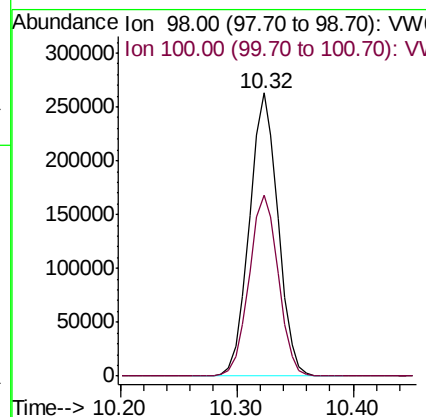
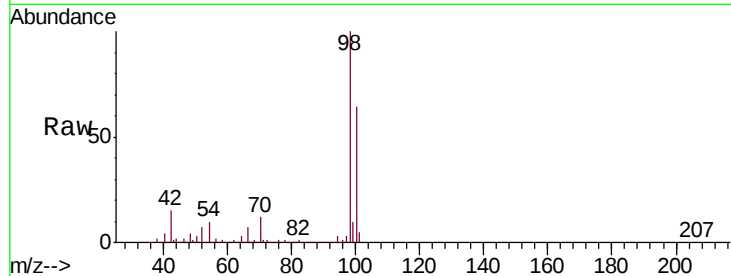
ClientSampleId :

Tot Ion: 98 Resp: 451047

Ion Ratio Lower Upper

98 100

100 65.0 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 37.692 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012250.D

Acq: 28 Aug 2019 13:32

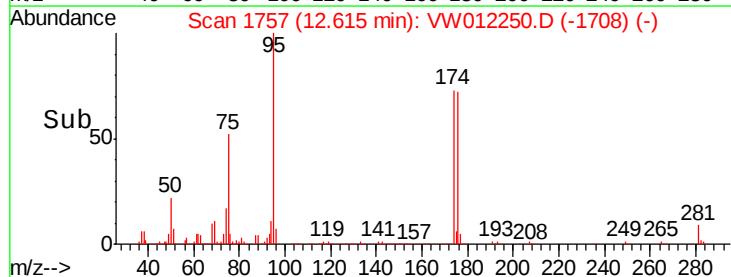
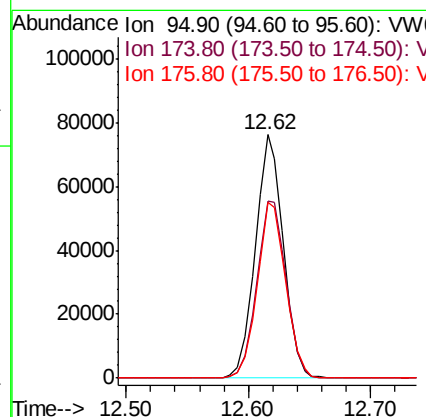
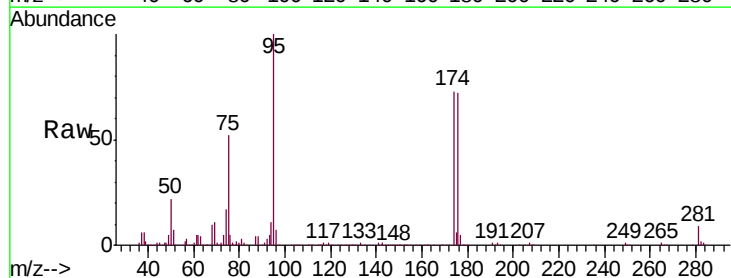
Tgt Ion: 95 Resp: 121396

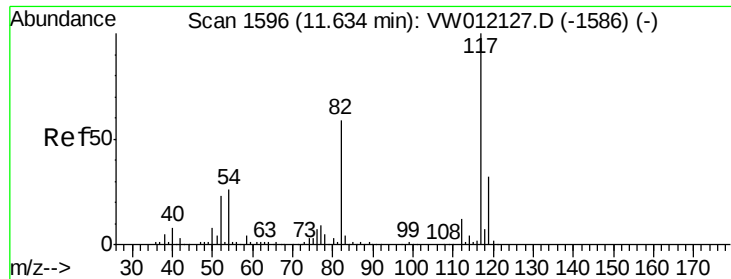
Ion Ratio Lower Upper

95 100

174 76.4 0.0 150.8

176 73.7 0.0 148.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW012250.D

Acq: 28 Aug 2019 13:32

Instrument :

MSVOA_W

ClientSampleId :

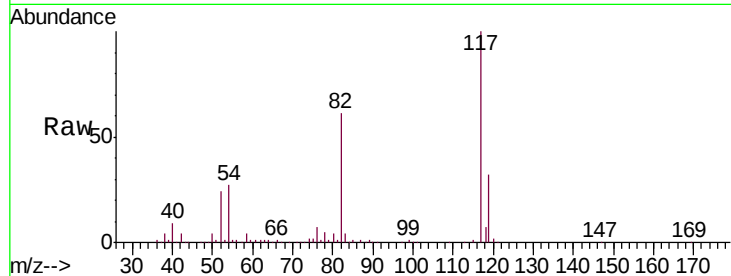
Tot Ion:117 Resp: 287227

Ion Ratio Lower Upper

117 100

82 60.9 47.4 71.2

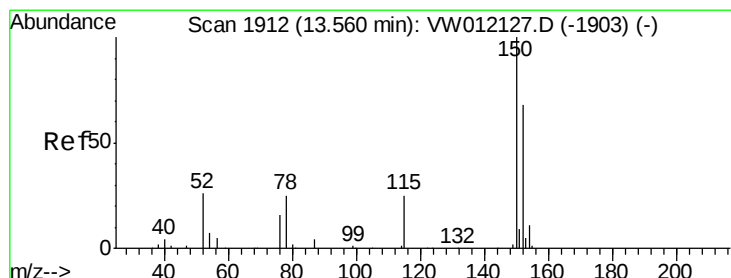
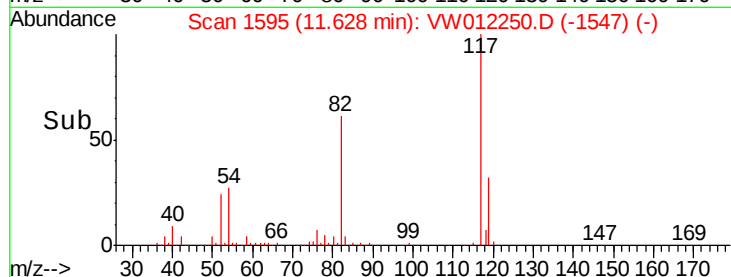
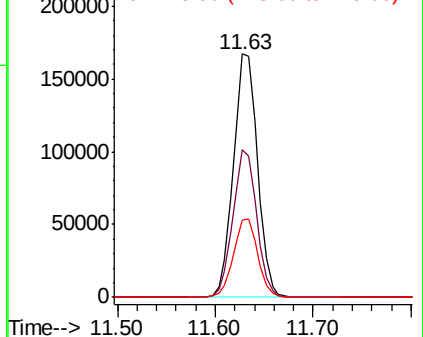
119 31.7 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW012250.D

Acq: 28 Aug 2019 13:32

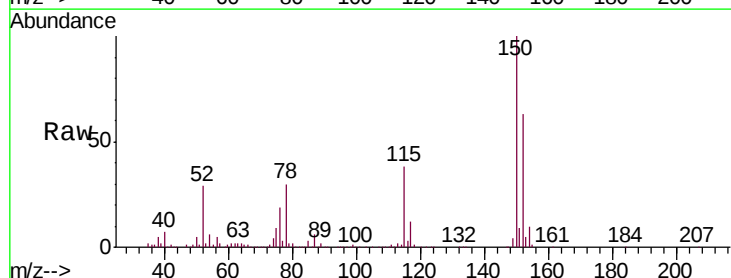
Tgt Ion:152 Resp: 87853

Ion Ratio Lower Upper

152 100

115 60.0 30.1 90.3

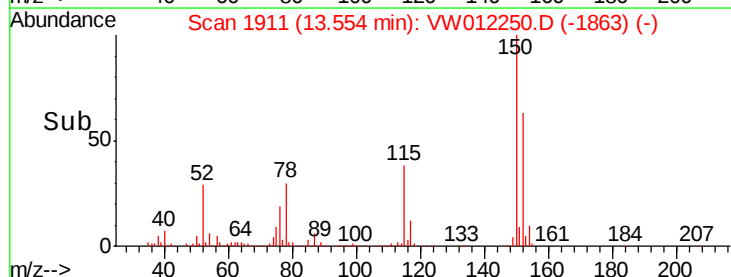
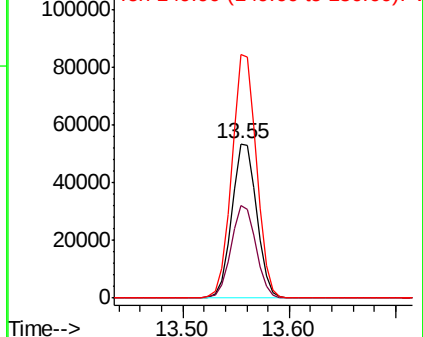
150 155.5 0.0 345.8

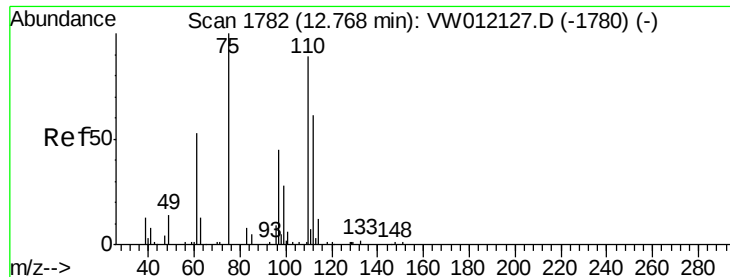


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 74.715 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012250.D

Acq: 28 Aug 2019 13:32

Instrument :

MSVOA_W

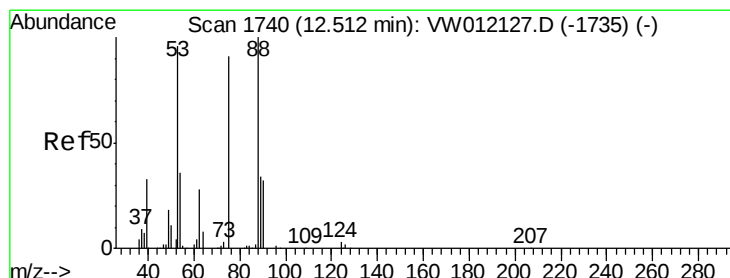
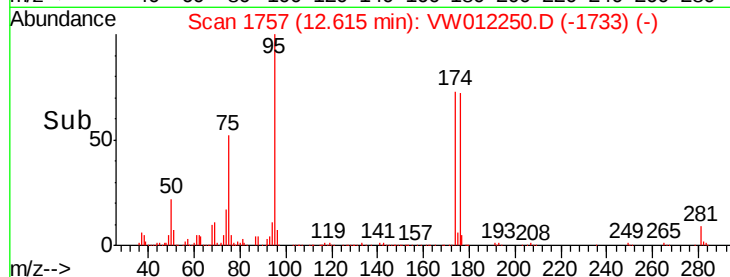
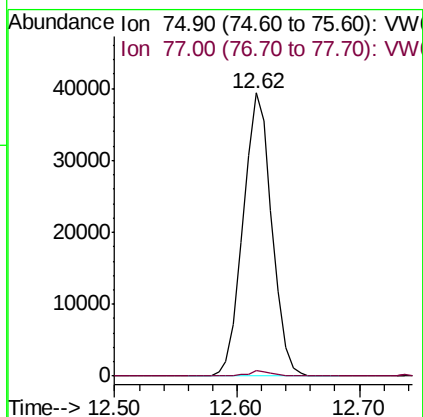
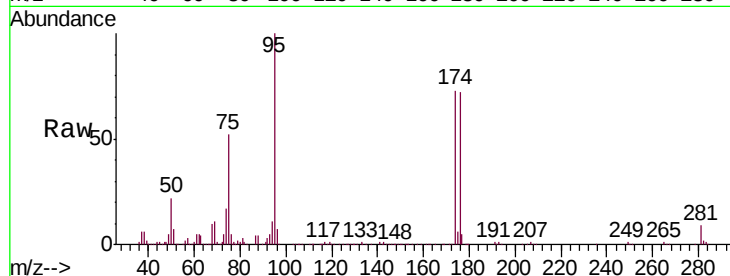
ClientSampleId :

Tot Ion: 75 Resp: 63928

Ion Ratio Lower Upper

75 100

77 2.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 163.815 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012250.D

Acq: 28 Aug 2019 13:32

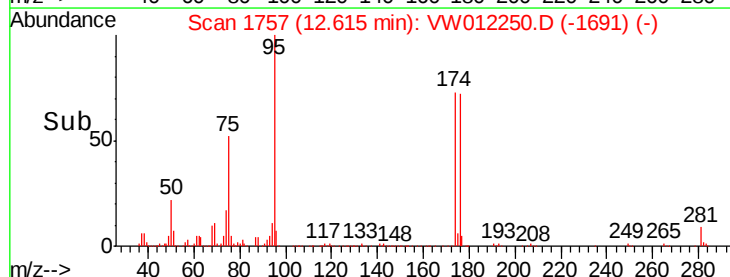
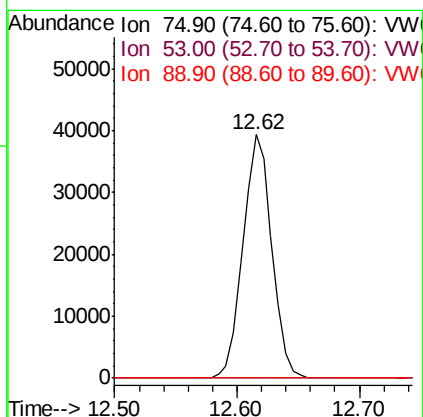
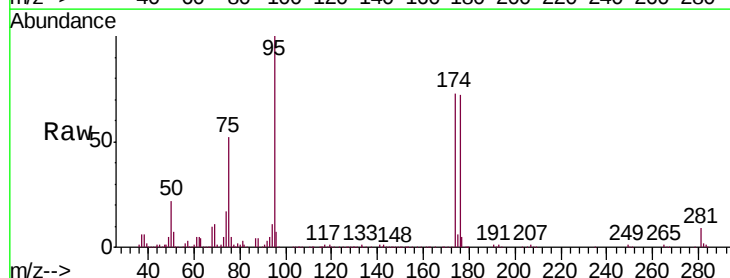
Tgt Ion: 75 Resp: 63928

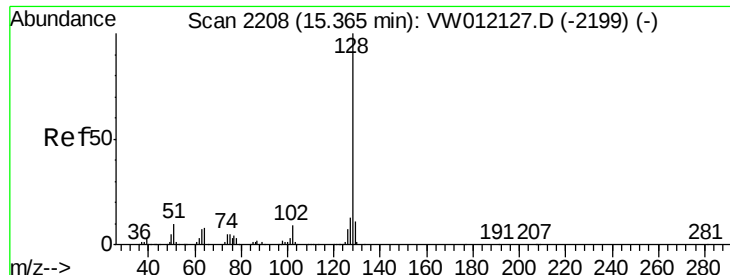
Ion Ratio Lower Upper

75 100

53 0.3 89.4 134.0#

89 0.2 34.5 51.7#





#95
Naphthalene
Concen: 4.513 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012250.D
Acq: 28 Aug 2019 13:32

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	2.7	10.7	16.1#
129	0.0	8.7	13.1#

