

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062819\
 Data File : VW011035.D
 Acq On : 28 Jun 2019 00:27
 Operator : SY/VA
 Sample : K3507-01
 Misc : 5.59G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 28 08:34:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:55:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	187731	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	337149	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	247880	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	87683	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	125562	51.16	ug/l	0.00
Spiked Amount			Recovery	=	102.32%	
35) Dibromofluoromethane	7.88	113	90559	43.99	ug/l	0.00
Spiked Amount			Recovery	=	87.98%	
50) Toluene-d8	10.32	98	256808	30.30	ug/l	0.00
Spiked Amount			Recovery	=	60.60%	
62) 4-Bromofluorobenzene	12.62	95	94531	30.50	ug/l	0.00
Spiked Amount			Recovery	=	61.00%	

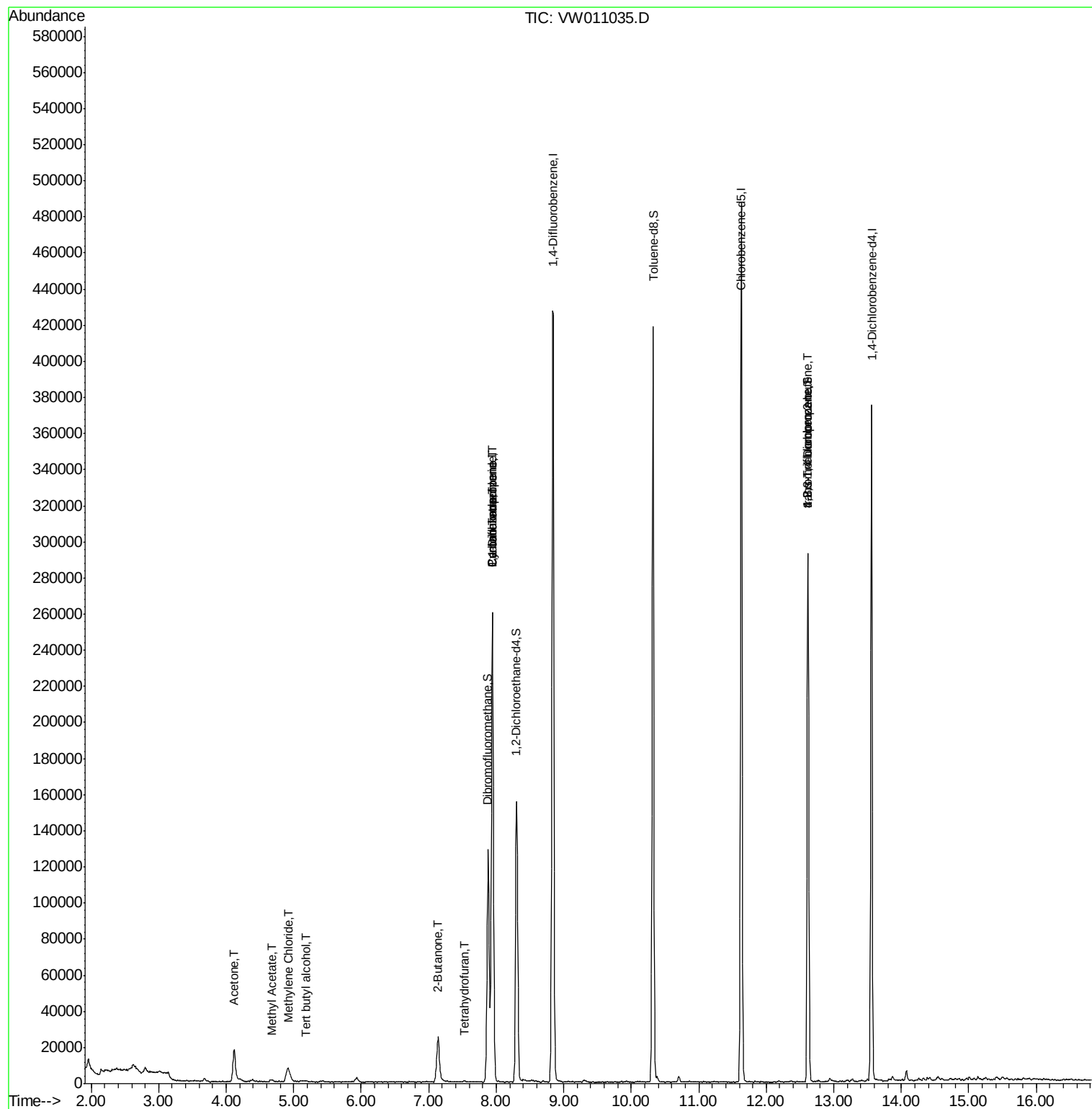
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	583	3.271	ug/l #	71
16) Acetone	4.12	43	33577	56.051	ug/l	96
18) Methyl Acetate	4.67	43	2612	1.683	ug/l	94
20) Methylene Chloride	4.91	84	6555	2.693	ug/l	88
25) 2-Butanone	7.15	43	1885	2.070	ug/l #	77
29) Tetrahydrofuran	7.52	42	588	1.037	ug/l #	62
31) Cyclohexane	7.95	56	5100	1.086	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	17367	4.793	ug/l #	51
38) Carbon Tetrachloride	7.95	117	19225	6.442	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	51930	56.098	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	51930	113.670	ug/l #	3

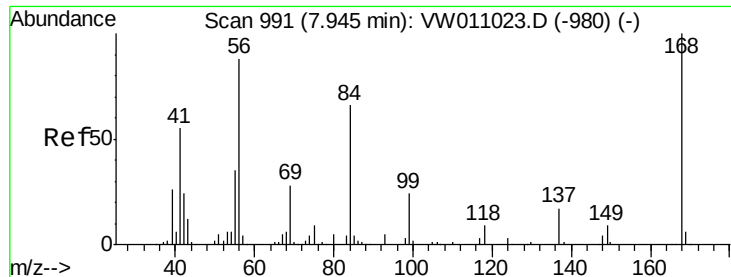
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW011035.D

Acq: 28 Jun 2019 00:27

Instrument :

MSVOA_W

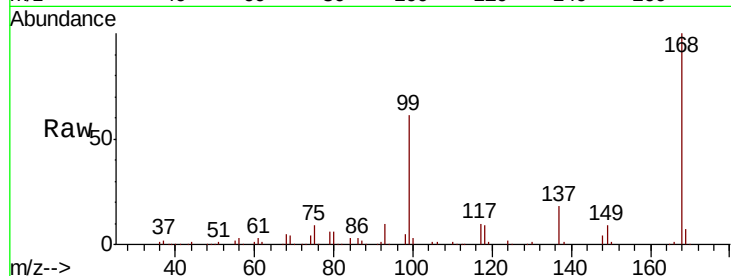
ClientSampled :

Tot Ion:168 Resp: 187731

Ion Ratio Lower Upper

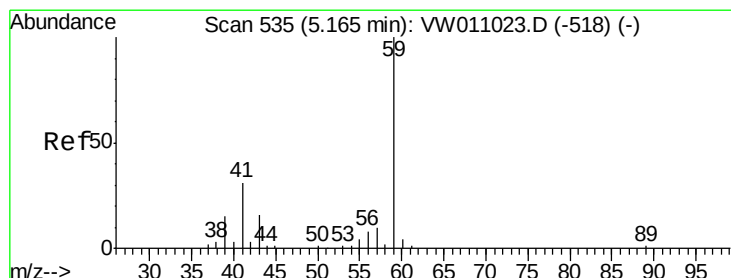
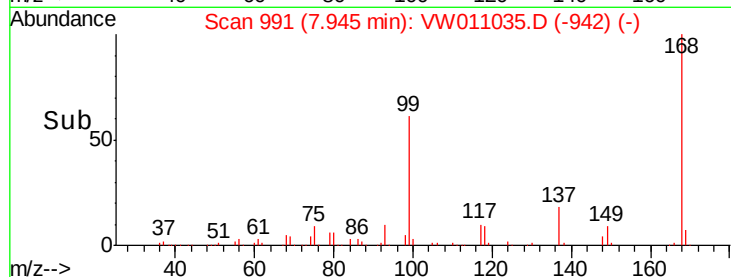
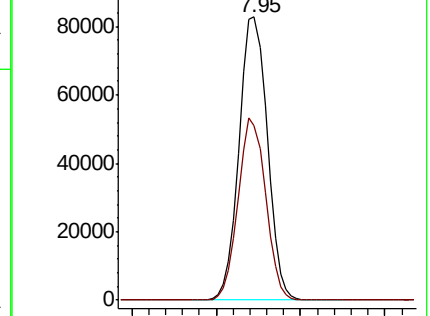
168 100

99 61.5 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 3.271 ug/l

RT: 5.17 min Scan# 536

Delta R.T. 0.01 min

Lab File: VW011035.D

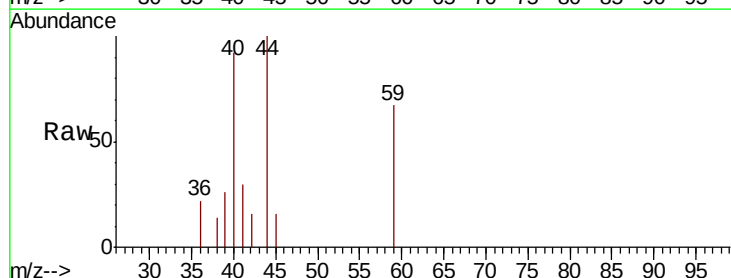
Acq: 28 Jun 2019 00:27

Tgt Ion: 59 Resp: 583

Ion Ratio Lower Upper

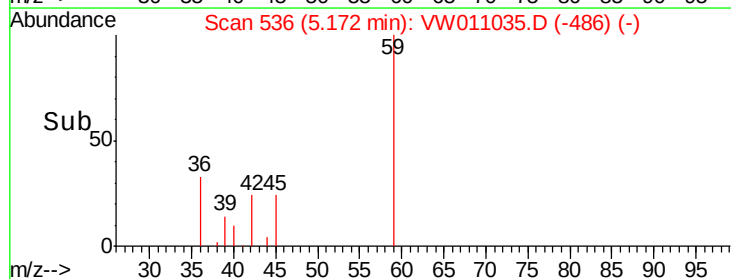
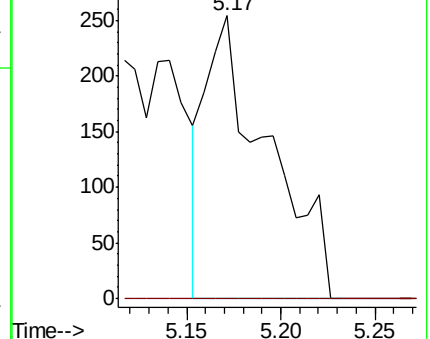
59 100

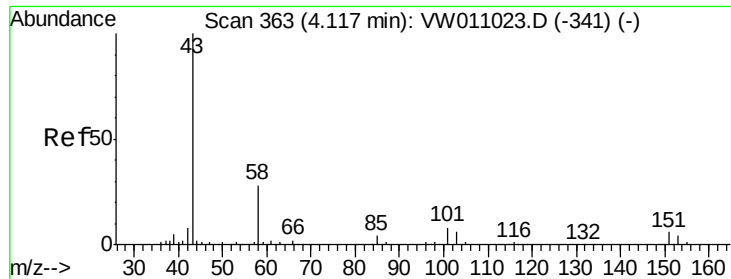
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

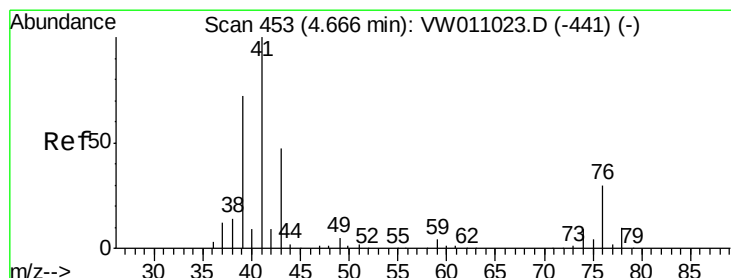
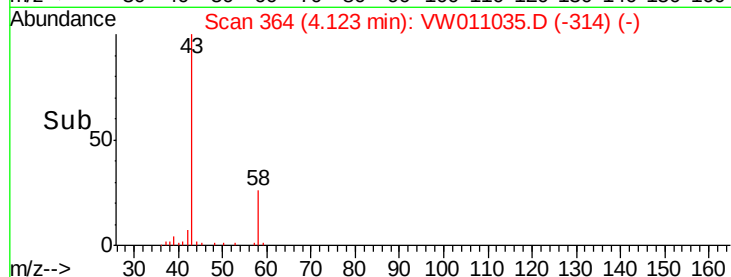
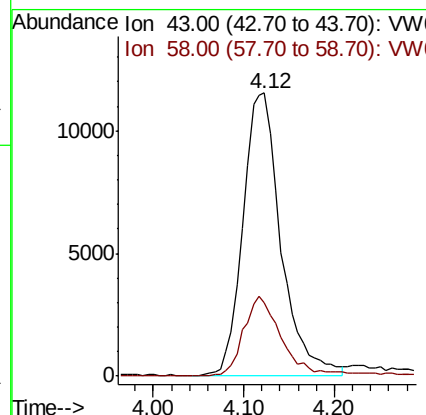
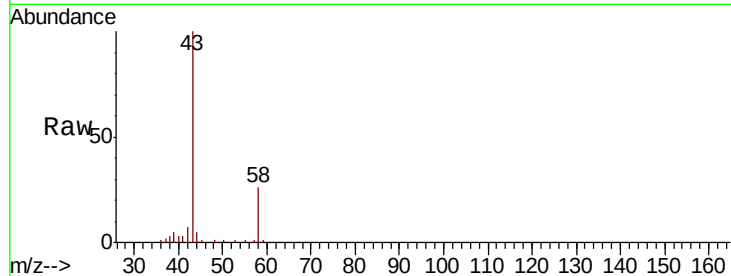




#16
Acetone
Concen: 56.051 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW011035.D
Acq: 28 Jun 2019 00:27

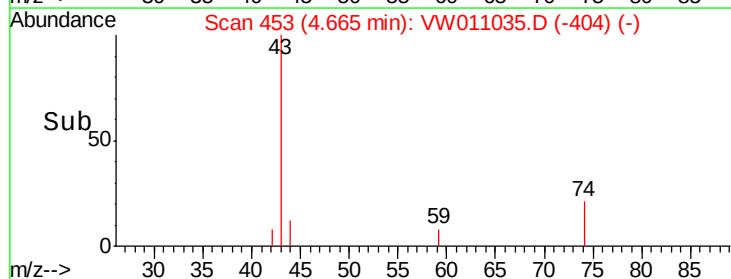
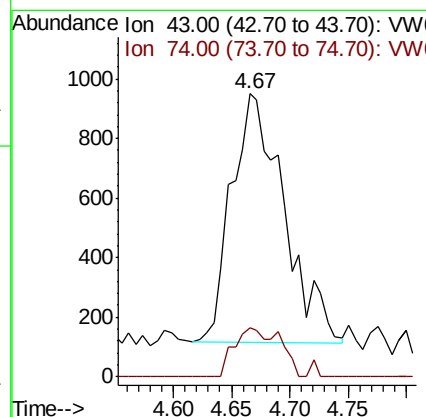
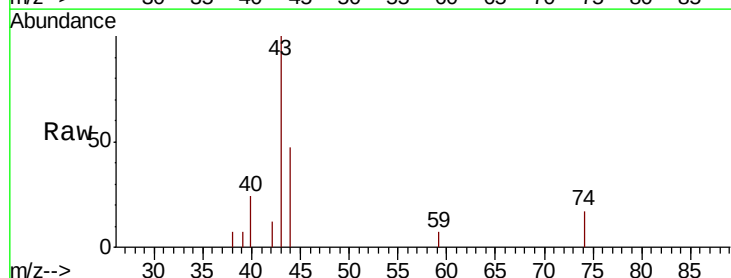
Instrument :
MSVOA_W
ClientSampleId :

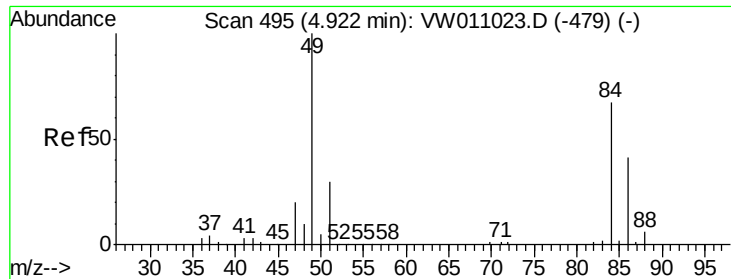
Tot Ion: 43 Resp: 33577
Ion Ratio Lower Upper
43 100
58 26.1 22.5 33.7



#18
Methyl Acetate
Concen: 1.683 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW011035.D
Acq: 28 Jun 2019 00:27

Tgt Ion: 43 Resp: 2612
Ion Ratio Lower Upper
43 100
74 17.3 15.8 23.8

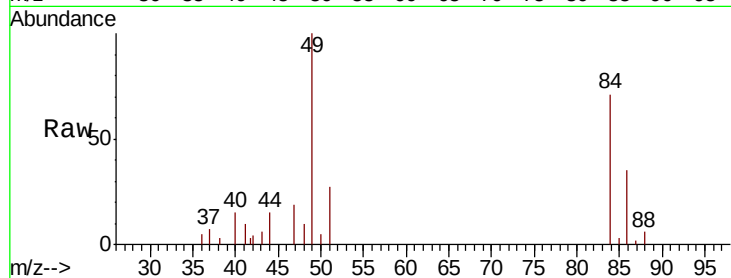




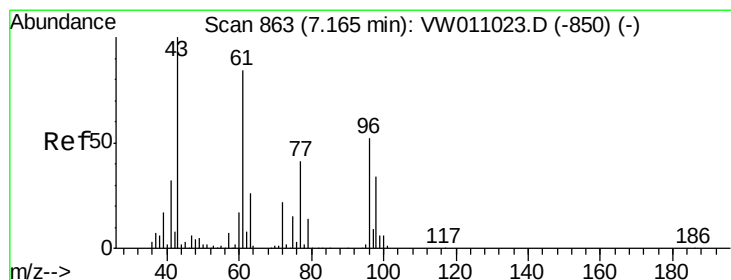
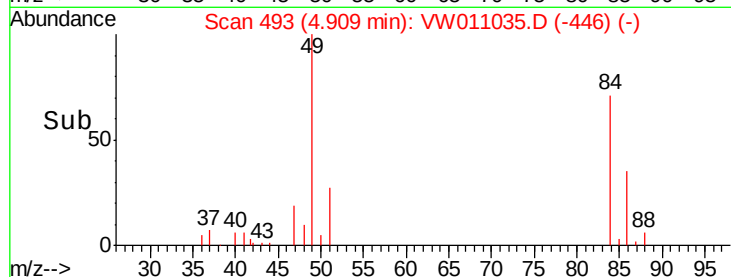
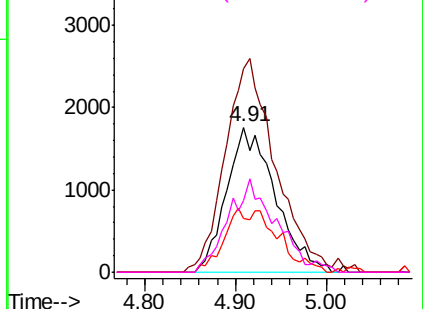
#20
Methvlene Chloride
Concen: 2.693 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011035.D
Acq: 28 Jun 2019 00:27

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	84	Resp:	6555
Ion	Ratio	Lower	Upper
84	100		
49	136.5	119.6	179.4
51	37.6	35.6	53.4
86	49.7	49.0	73.6

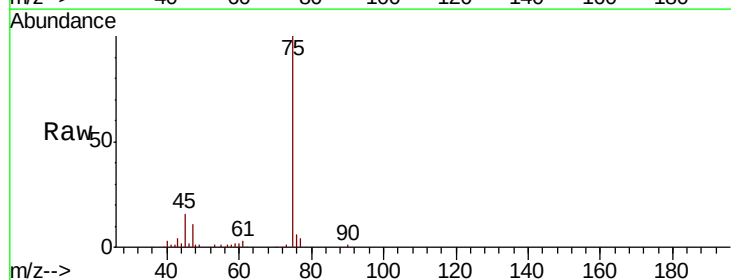


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

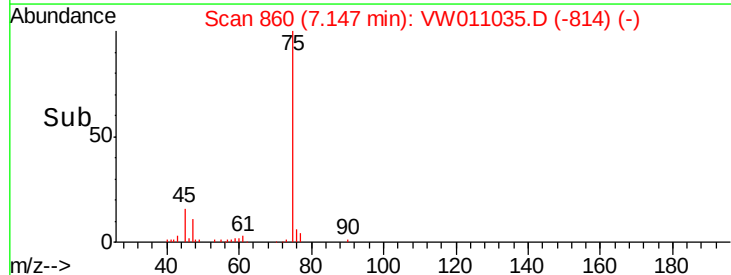
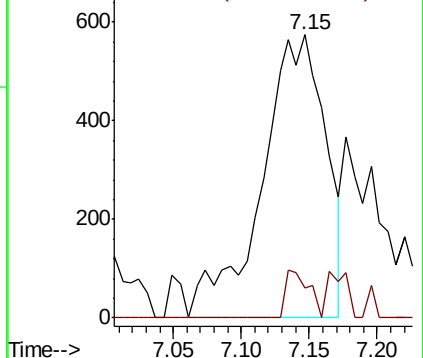


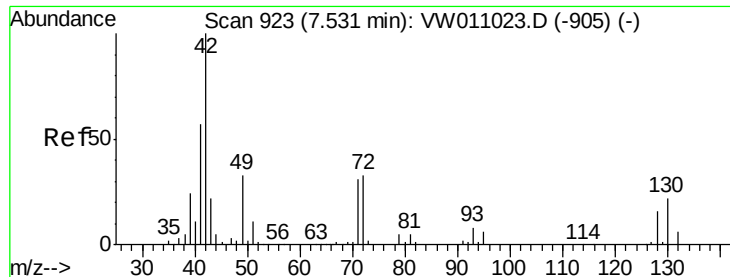
#25
2-Butanone
Concen: 2.070 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW011035.D
Acq: 28 Jun 2019 00:27

Tgt Ion:	43	Resp:	1885
Ion	Ratio	Lower	Upper
43	100		
72	10.6	17.2	25.8#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#29

Tetrahydrofuran

Concen: 1.037 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW011035.D

Acq: 28 Jun 2019 00:27

Instrument :

MSVOA_W

ClientSampled :

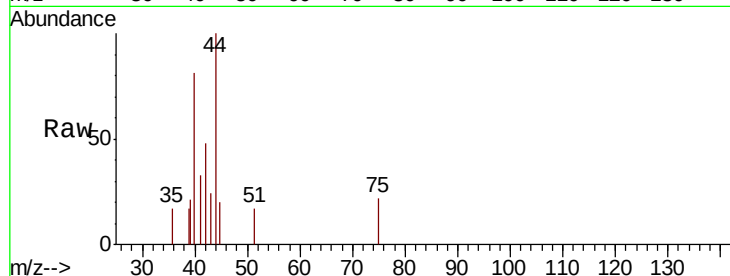
Tot Ion: 42 Resp: 588

Ion Ratio Lower Upper

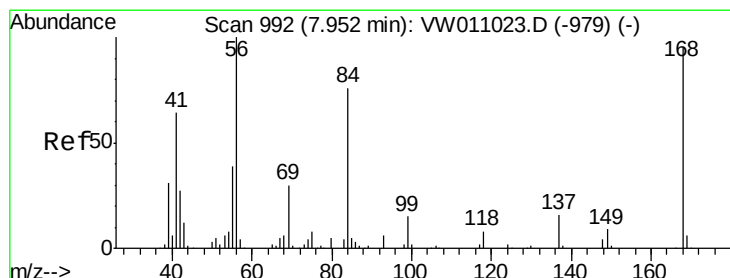
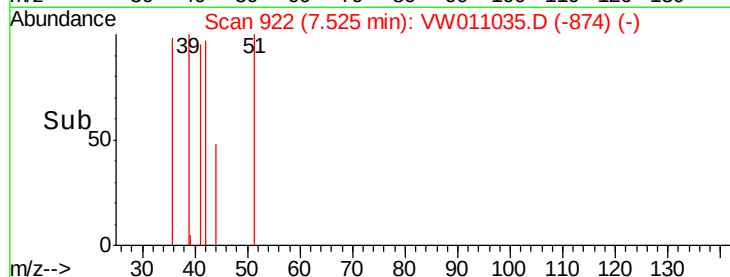
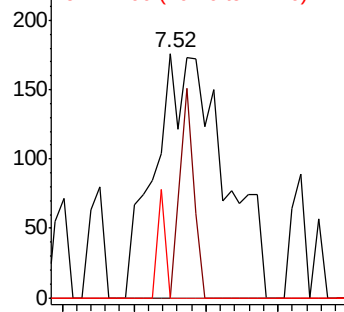
42 100

72 17.5 27.4 41.0#

71 4.9 25.6 38.4#



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: 1.086 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011035.D

Acq: 28 Jun 2019 00:27

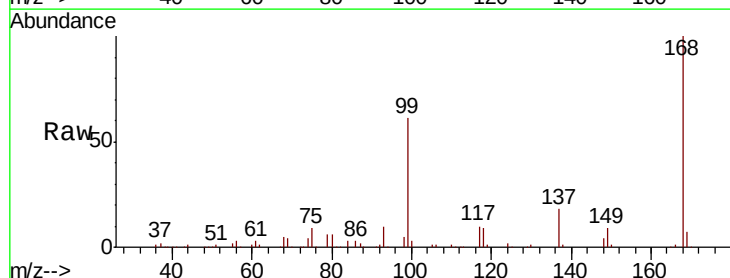
Tgt Ion: 56 Resp: 5100

Ion Ratio Lower Upper

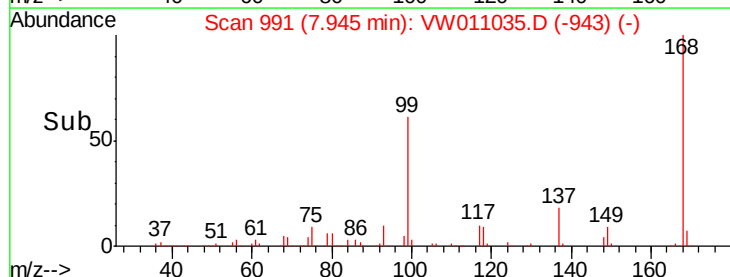
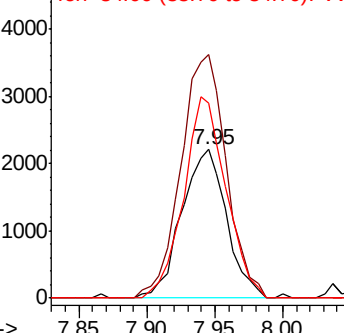
56 100

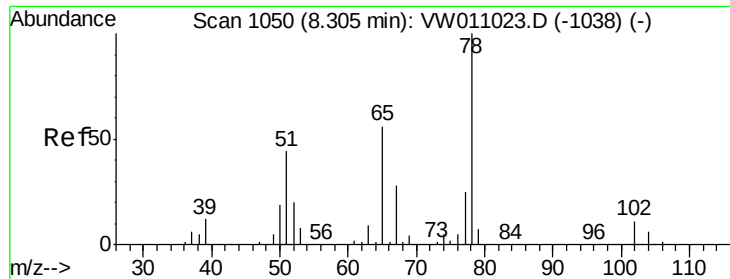
69 163.8 24.2 36.2#

84 131.0 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

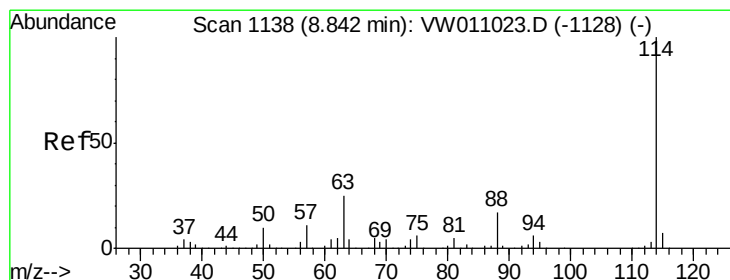
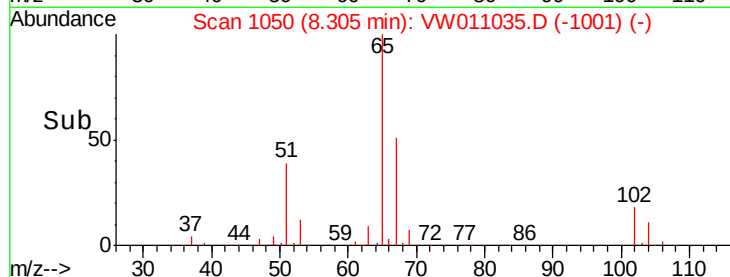
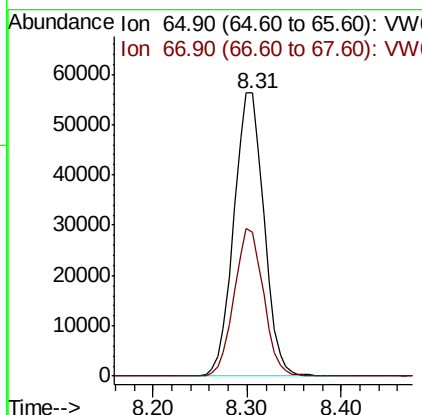
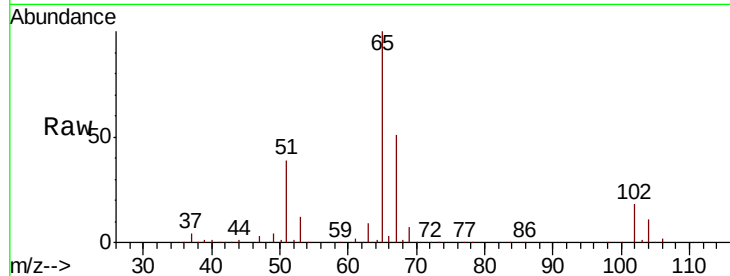




#33
 1,2-Dichloroethane-d4
 Concen: 51.163 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011035.D
 Acq: 28 Jun 2019 00:27

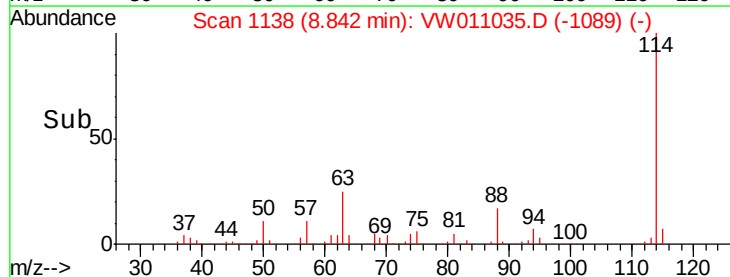
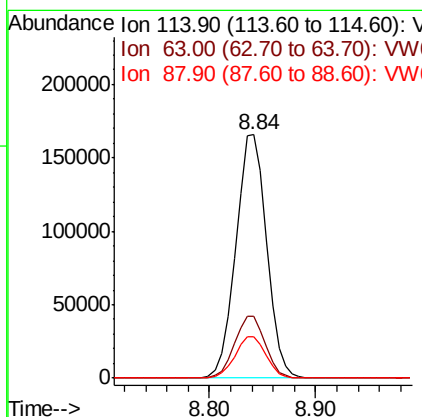
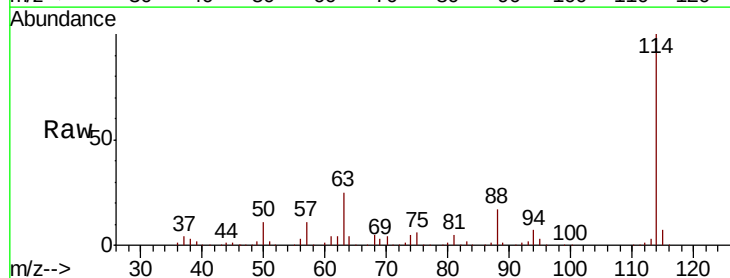
Instrument :
 MSVOA_W
 ClientSampleId :

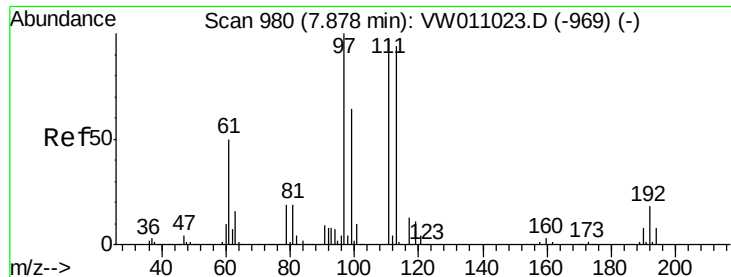
Tot Ion: 65 Resp: 125562
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011035.D
 Acq: 28 Jun 2019 00:27

Tgt Ion: 114 Resp: 337149
 Ion Ratio Lower Upper
 114 100
 63 25.3 0.0 50.6
 88 17.1 0.0 34.0

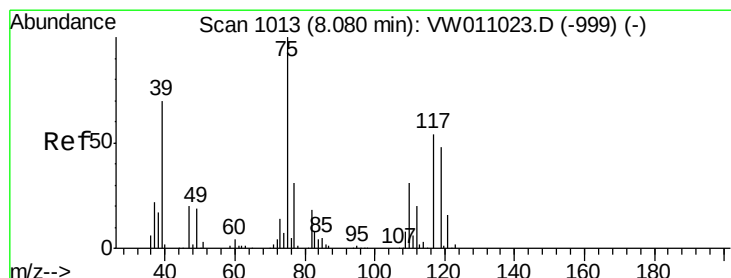
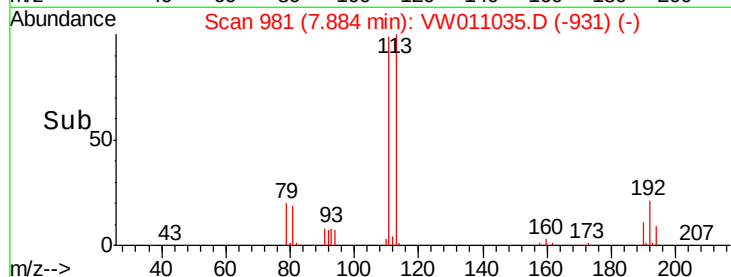
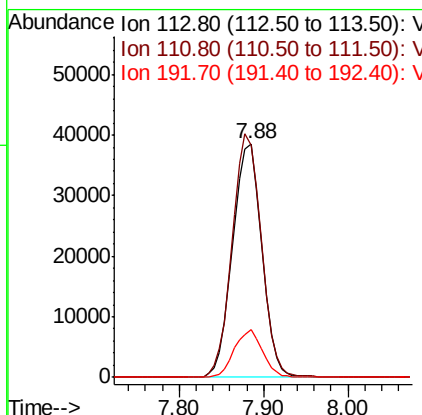
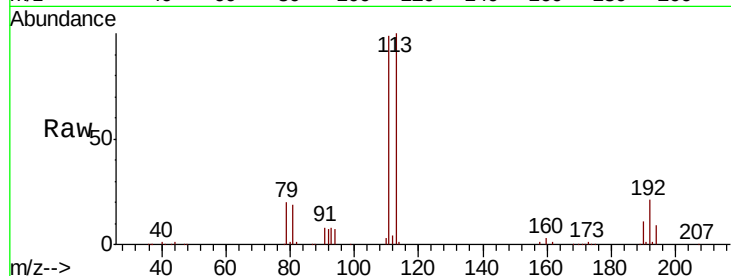




#35
 Dibromofluoromethane
 Concen: 43.987 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW011035.D
 Acq: 28 Jun 2019 00:27

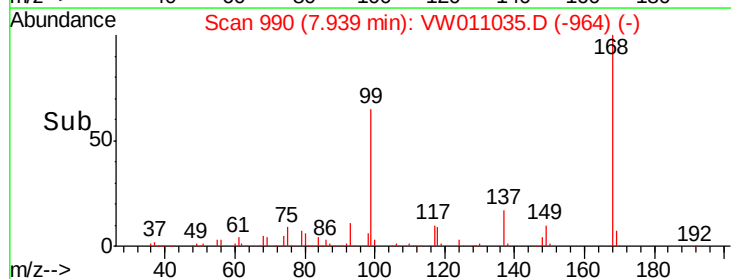
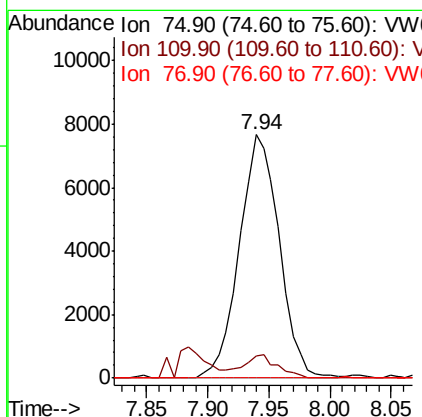
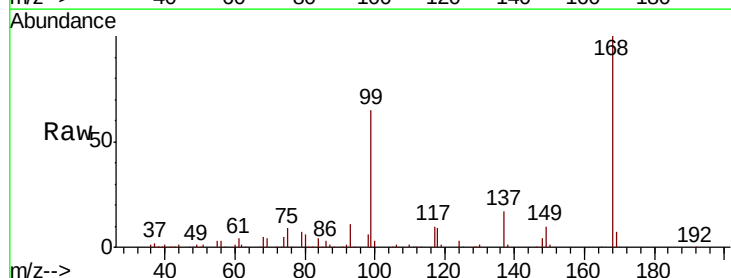
Instrument :
 MSVOA_W
 ClientSampleId :

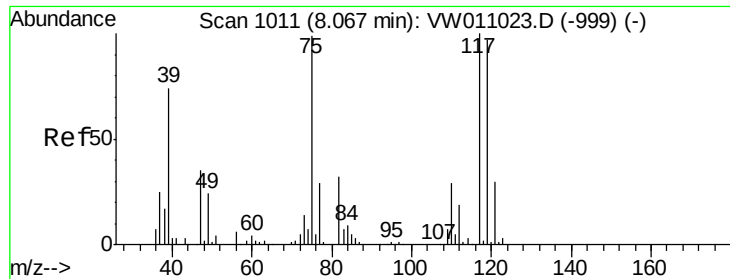
Tot Ion:113 Resp: 90559
 Ion Ratio Lower Upper
 113 100
 111 104.0 83.8 125.6
 192 19.5 16.0 24.0



#36
 1,1-Dichloropropene
 Concen: 4.793 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW011035.D
 Acq: 28 Jun 2019 00:27

Tgt Ion: 75 Resp: 17367
 Ion Ratio Lower Upper
 75 100
 110 8.0 15.5 46.5#
 77 0.0 24.9 37.3#

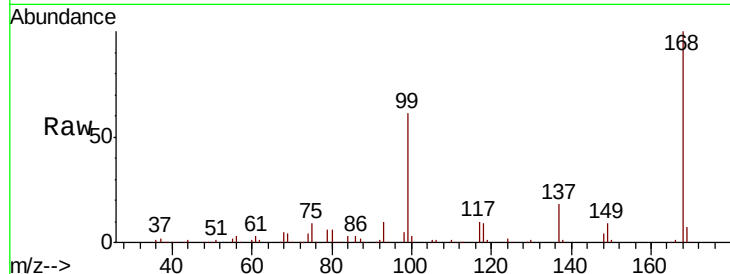




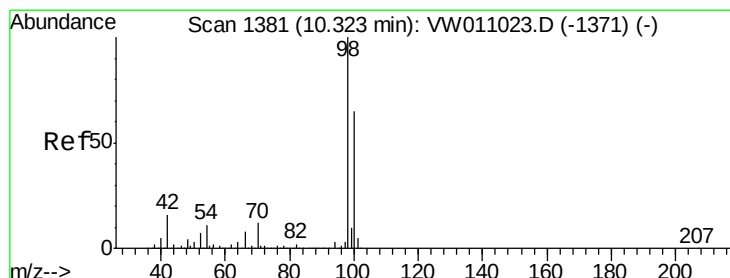
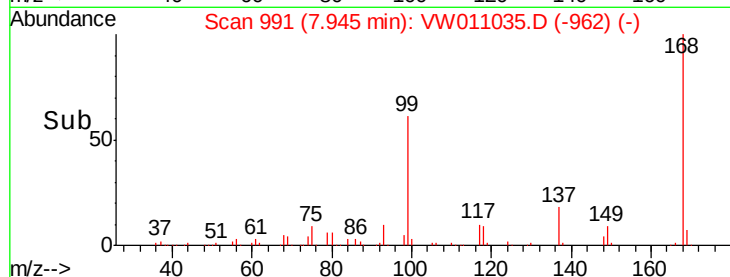
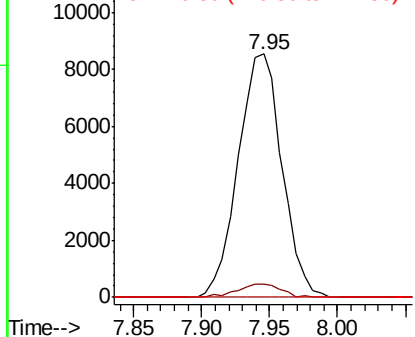
#38
Carbon Tetrachloride
Concen: 6.442 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011035.D
Acq: 28 Jun 2019 00:27

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 19225
Ion Ratio Lower Upper
117 100
119 5.2 77.7 116.5#
121 0.0 23.9 35.9#

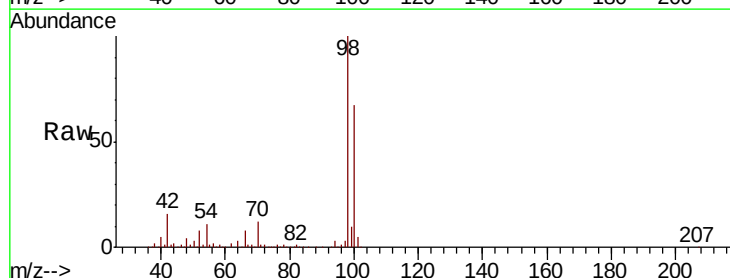


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

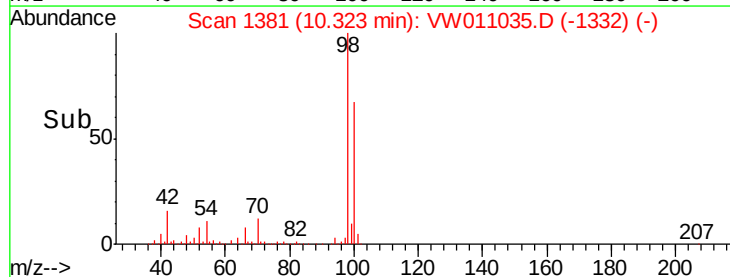
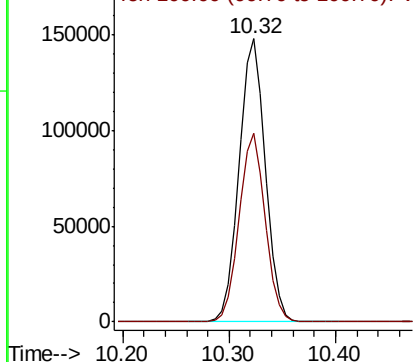


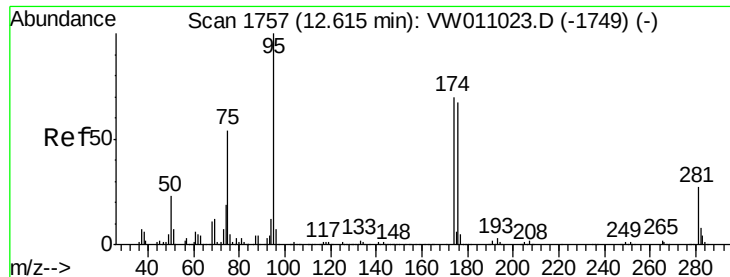
#50
Toluene-d8
Concen: 30.304 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011035.D
Acq: 28 Jun 2019 00:27

Tgt Ion: 98 Resp: 256808
Ion Ratio Lower Upper
98 100
100 66.0 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 30.499 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011035.D

Acq: 28 Jun 2019 00:27

Instrument :

MSVOA_W

ClientSampleId :

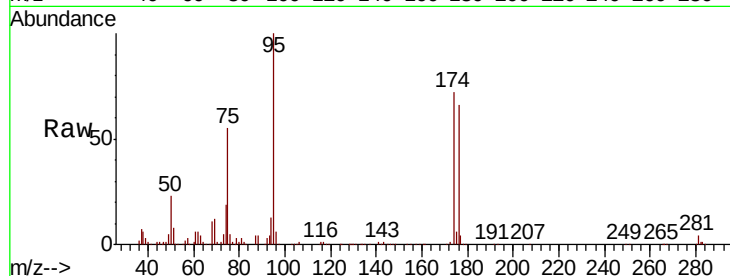
Tot Ion: 95 Resp: 94531

Ion Ratio Lower Upper

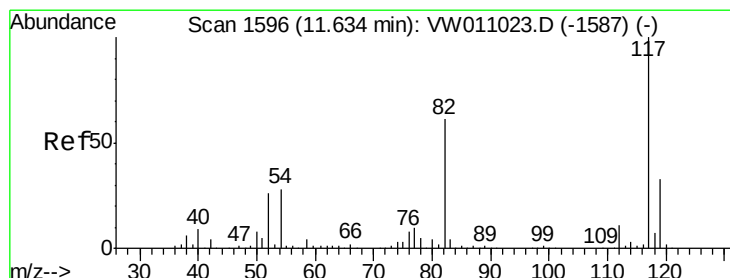
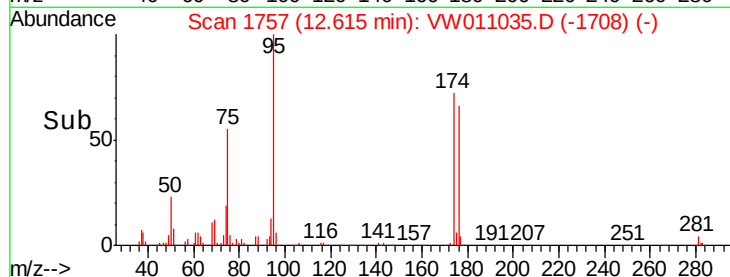
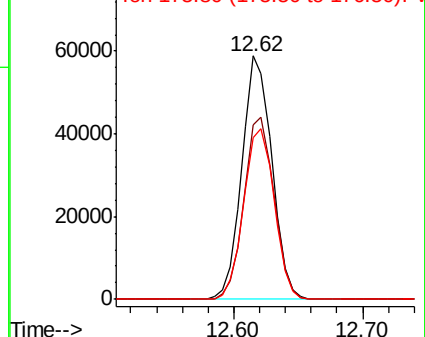
95 100

174 75.4 0.0 149.2

176 71.8 0.0 143.6



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# 1595

Delta R.T. -0.01 min

Lab File: VW011035.D

Acq: 28 Jun 2019 00:27

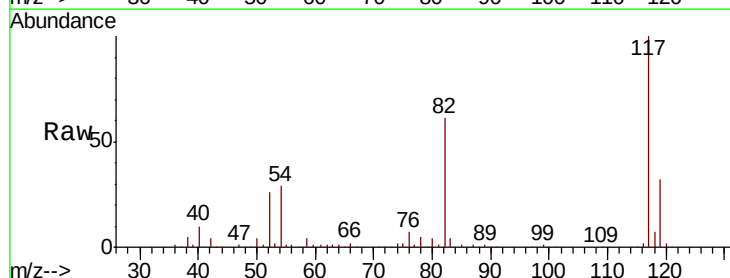
Tgt Ion: 117 Resp: 247880

Ion Ratio Lower Upper

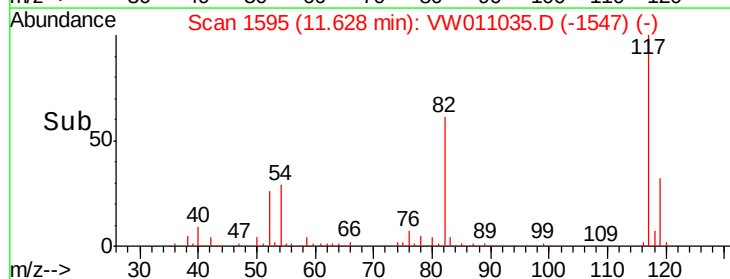
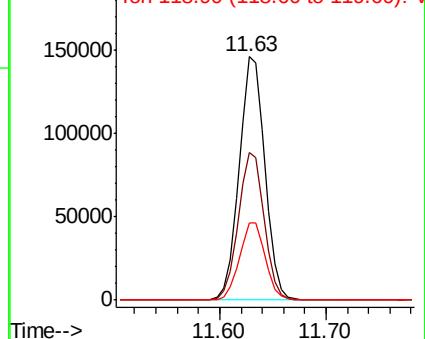
117 100

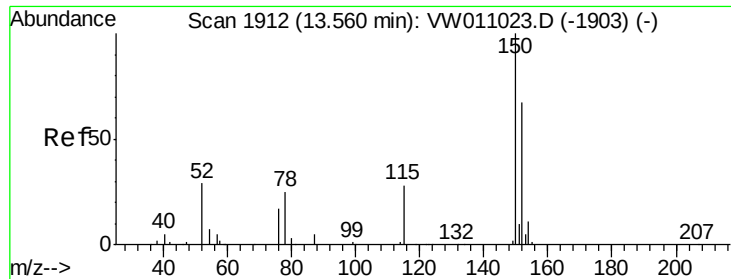
82 60.9 48.6 73.0

119 31.8 26.1 39.1



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: VW011035.D

Acq: 28 Jun 2019 00:27

Instrument :

MSVOA_W

ClientSampleId :

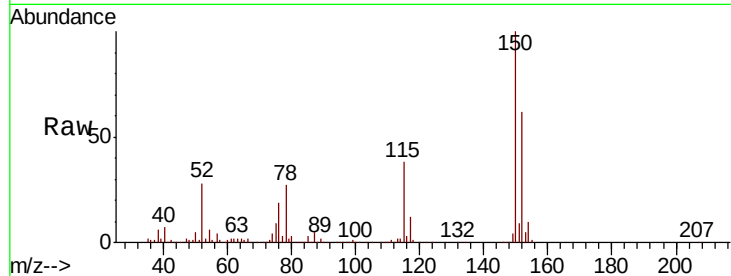
Tot Ion:152 Resp: 87683

Ion Ratio Lower Upper

152 100

115 61.2 30.7 92.1

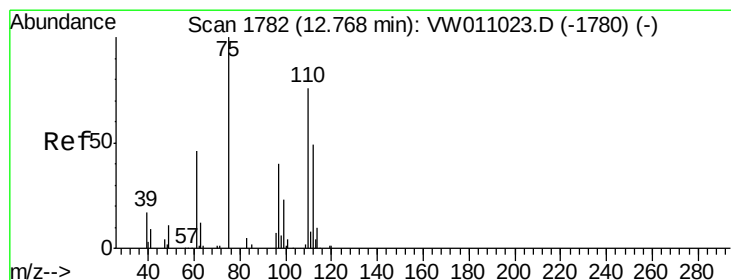
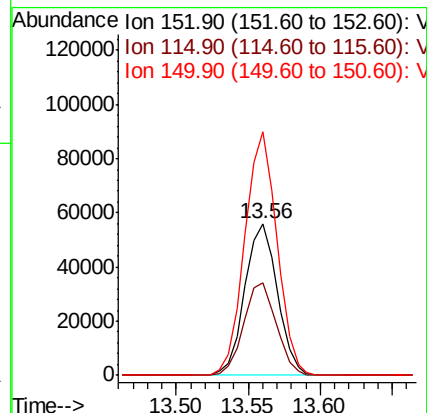
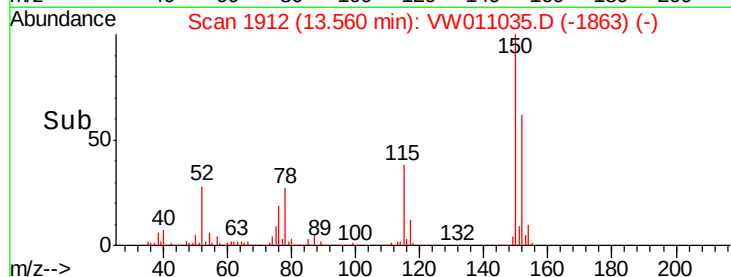
150 158.8 0.0 341.8



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: 56.098 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011035.D

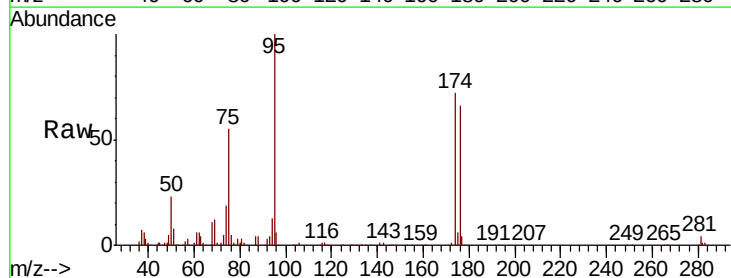
Acq: 28 Jun 2019 00:27

Tgt Ion: 75 Resp: 51930

Ion Ratio Lower Upper

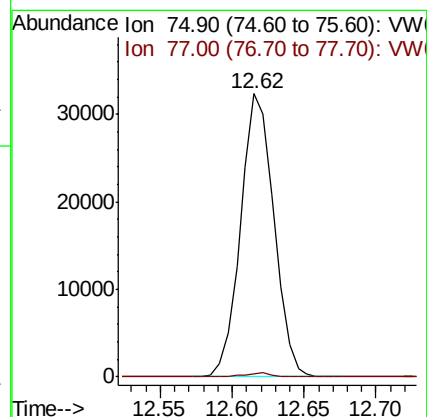
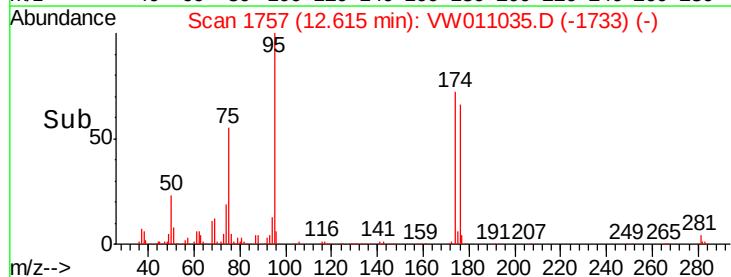
75 100

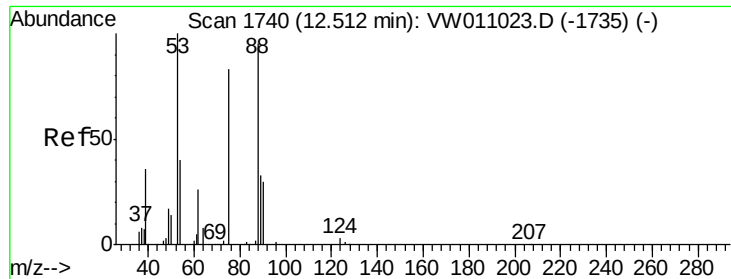
77 1.2 0.0 0.0#



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: 113.670 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW011035.D
 Acq: 28 Jun 2019 00:27

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 75 Resp: 51930
 Ion Ratio Lower Upper
 75 100
 53 0.1 95.6 143.4#
 89 0.0 34.4 51.6#

