

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062819\
 Data File : VW011038.D
 Acq On : 28 Jun 2019 01:48
 Operator : SY/VA
 Sample : K3509-03
 Misc : 3.02G/5ML/MSVOA W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 28 08:34:51 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	139814	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	258676	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	198064	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	74212	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	86928	47.56	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.12%	
35) Dibromofluoromethane	7.88	113	66975	42.40	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	84.80%	
50) Toluene-d8	10.32	98	215996	33.22	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	66.44%	
62) 4-Bromofluorobenzene	12.62	95	76252	32.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	64.12%	

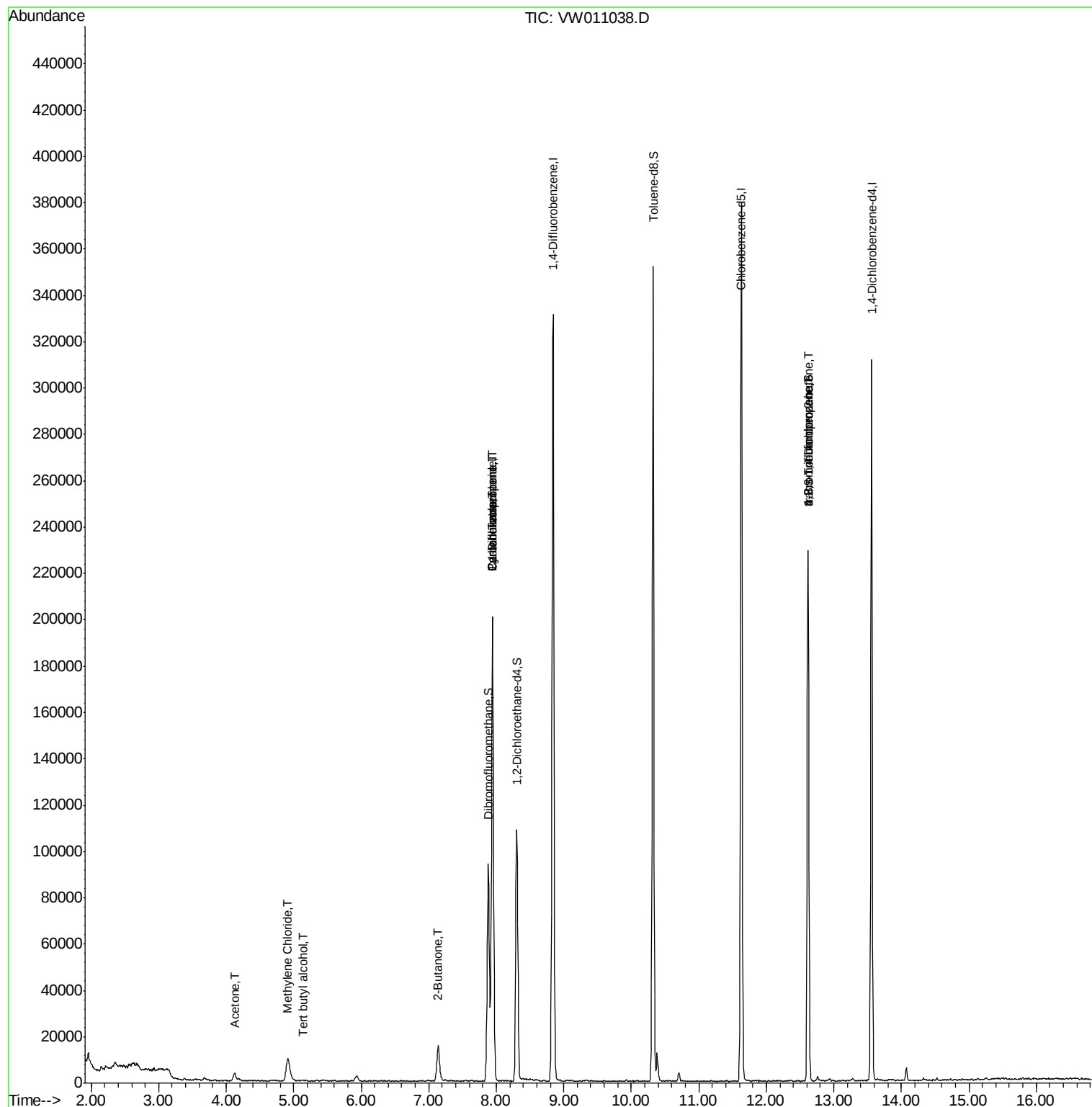
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.15	59	460	3.465	ug/l #	71
16) Acetone	4.12	43	6728	15.080	ug/l	96
20) Methylene Chloride	4.91	84	7989	4.407	ug/l	92
25) 2-Butanone	7.14	43	1242	1.831	ug/l #	85
31) Cyclohexane	7.94	56	3832	1.096	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	12679	4.560	ug/l #	51
38) Carbon Tetrachloride	7.95	117	14261	6.228	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	41256	52.657	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	41256	106.950	ug/l #	3

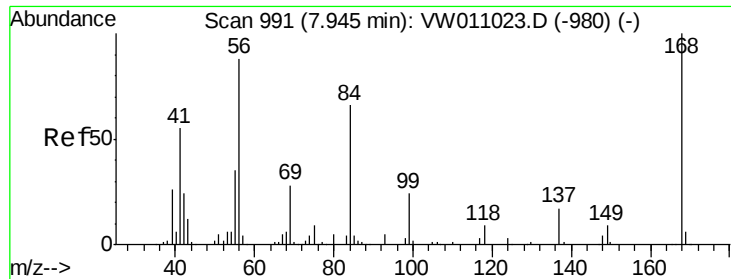
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 28 01:55:46 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: VW011038.D

Acq: 28 Jun 2019 01:48

Instrument :

MSVOA_W

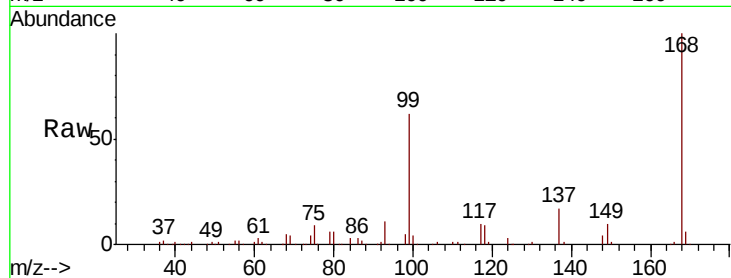
ClientSampleId :

Tot Ion:168 Resp: 139814

Ion Ratio Lower Upper

168 100

99 61.8 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

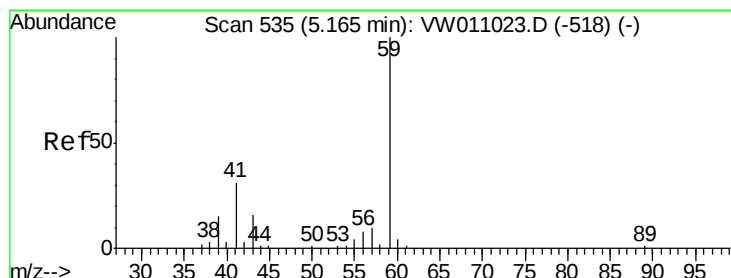
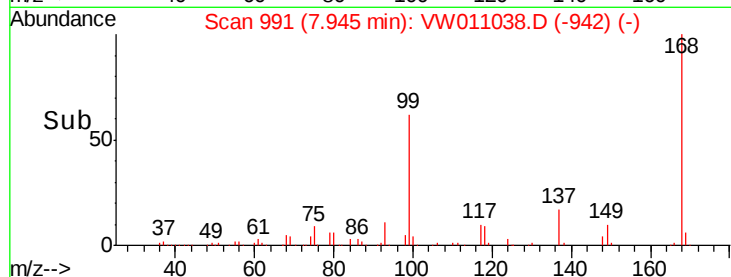
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 3.465 ug/l

RT: 5.15 min Scan# 532

Delta R.T. -0.02 min

Lab File: VW011038.D

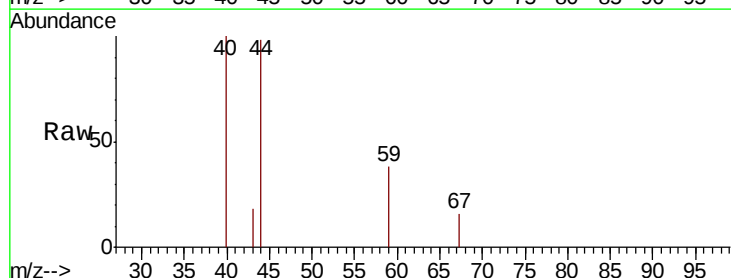
Acq: 28 Jun 2019 01:48

Tgt Ion: 59 Resp: 460

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

5.15

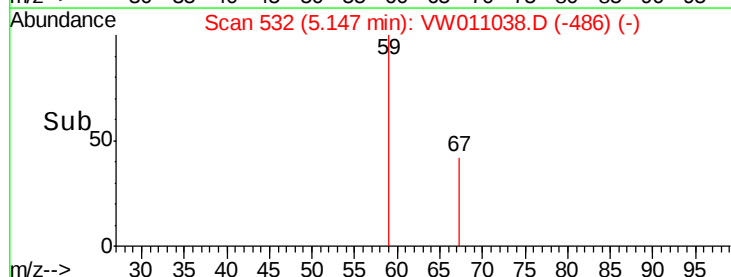
150

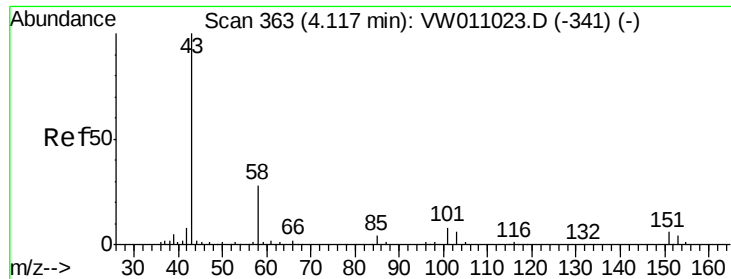
100

50

0

Time--> 5.10 5.15 5.20 5.25

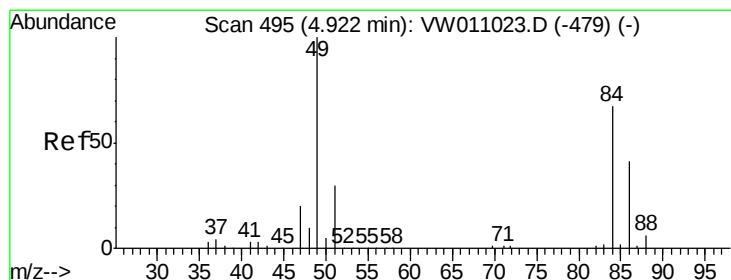
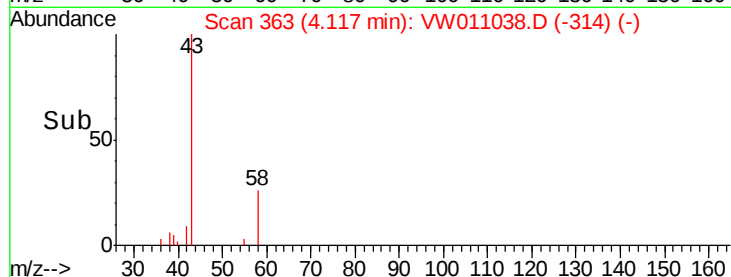
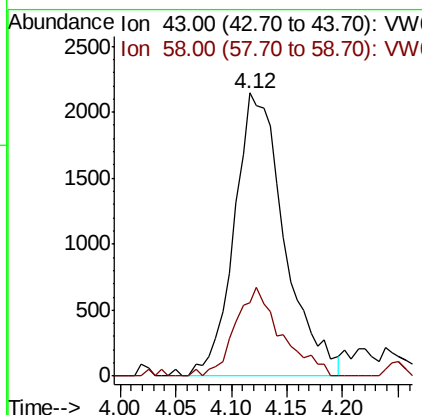
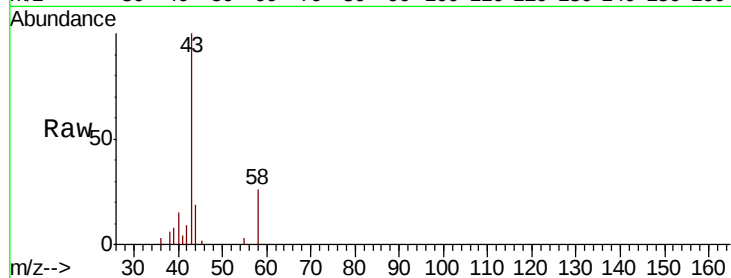




#16
Acetone
Concen: 15.080 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.00 min
Lab File: VW011038.D
Acq: 28 Jun 2019 01:48

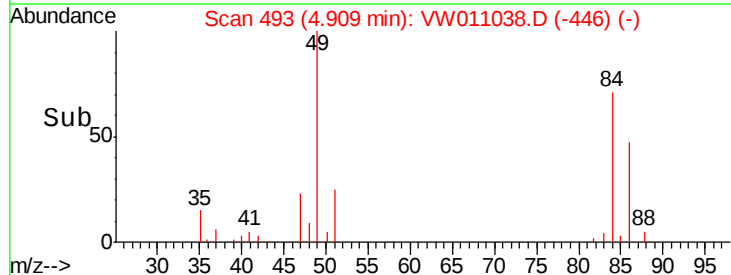
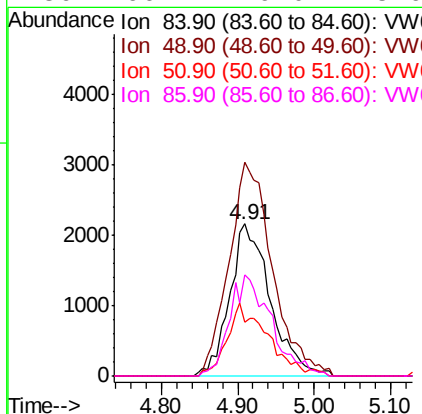
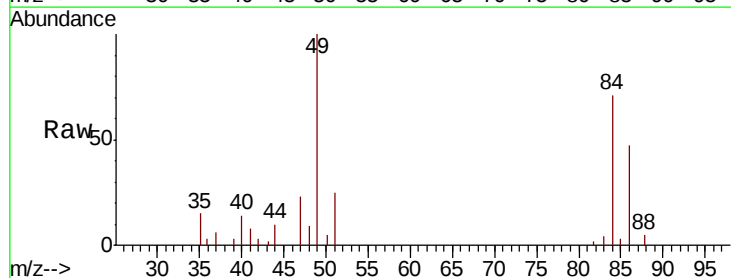
Instrument :
MSVOA_W
ClientSampleId :

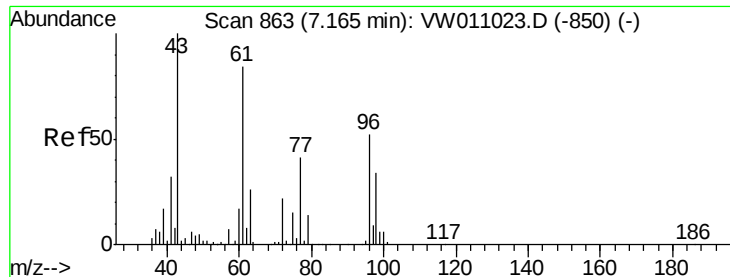
Tot Ion: 43 Resp: 6728
Ion Ratio Lower Upper
43 100
58 26.1 22.5 33.7



#20
Methylene Chloride
Concen: 4.407 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011038.D
Acq: 28 Jun 2019 01:48

Tgt Ion: 84 Resp: 7989
Ion Ratio Lower Upper
84 100
49 140.6 119.6 179.4
51 35.7 35.6 53.4
86 66.4 49.0 73.6

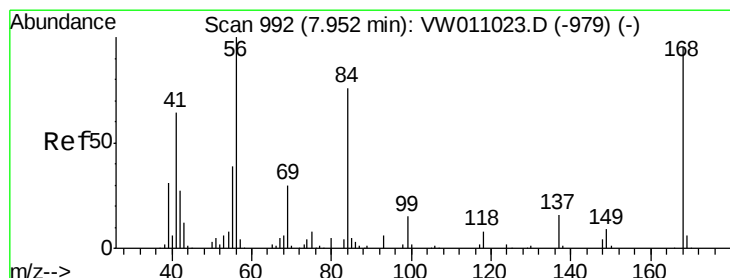
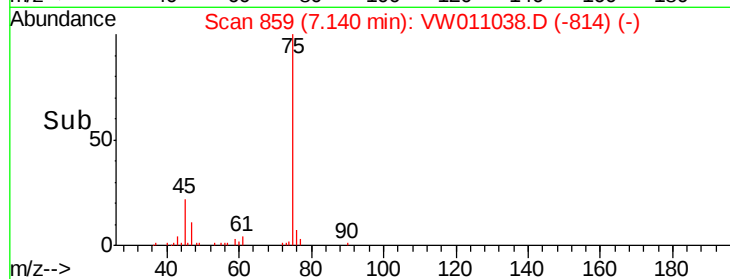
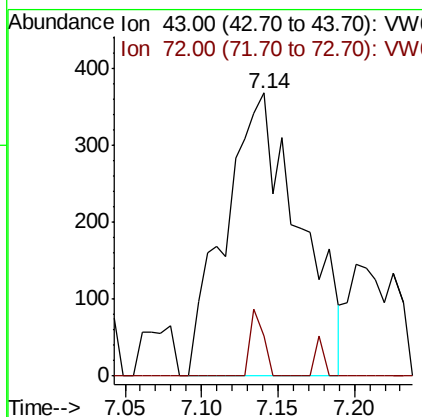
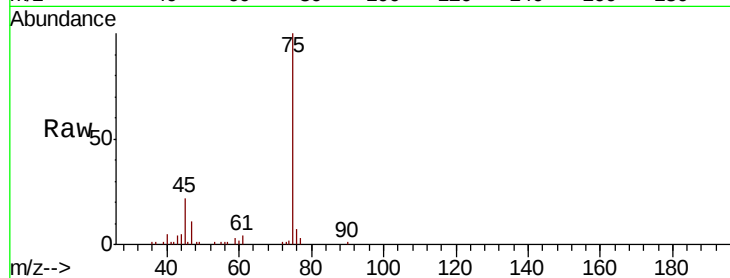




#25
 2-Butanone
 Concen: 1.831 ug/l
 RT: 7.14 min Scan# 859
 Delta R.T. -0.02 min
 Lab File: VW011038.D
 Acq: 28 Jun 2019 01:48

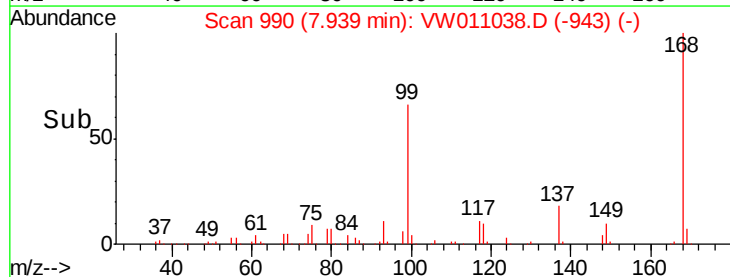
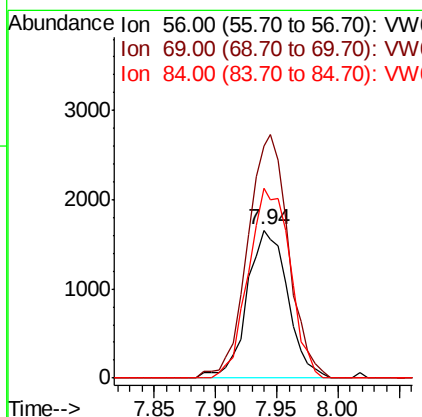
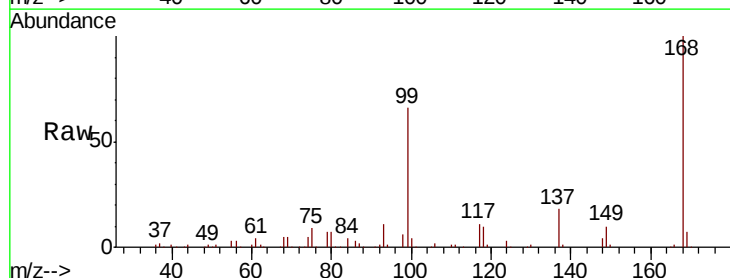
Instrument :
 MSVOA_W
 ClientSampled :

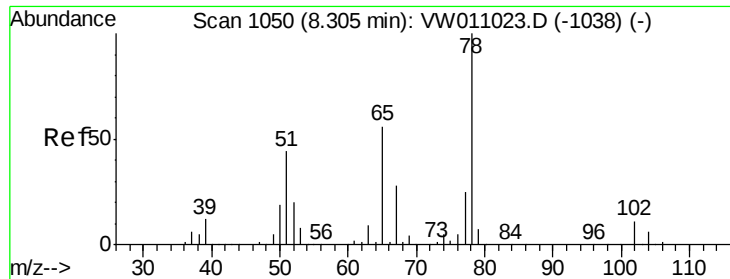
Tot Ion: 43 Resp: 1242
 Ion Ratio Lower Upper
 43 100
 72 14.4 17.2 25.8#



#31
 Cyclohexane
 Concen: 1.096 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.01 min
 Lab File: VW011038.D
 Acq: 28 Jun 2019 01:48

Tgt Ion: 56 Resp: 3832
 Ion Ratio Lower Upper
 56 100
 69 156.9 24.2 36.2#
 84 128.1 60.6 90.8#

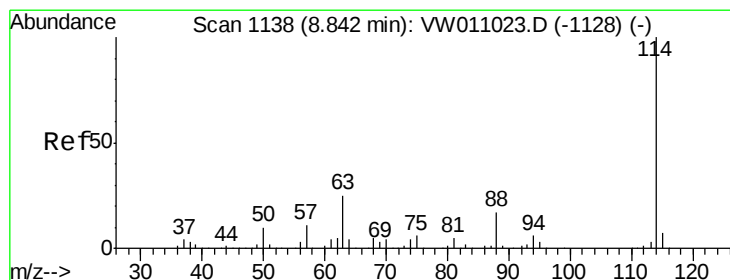
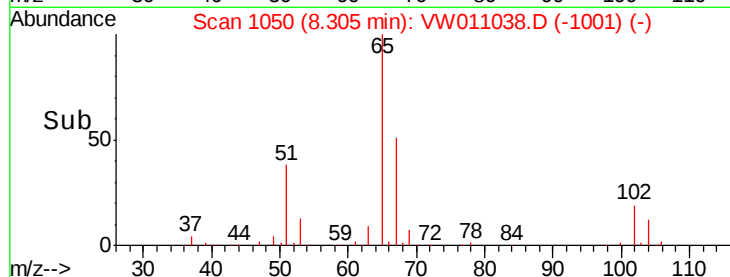
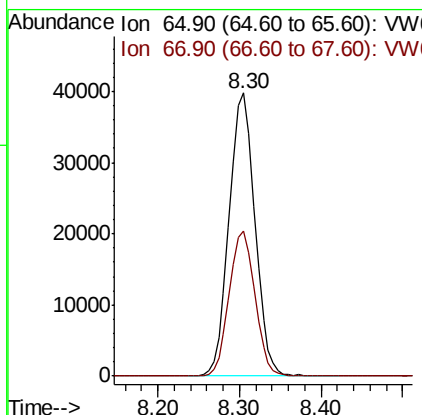
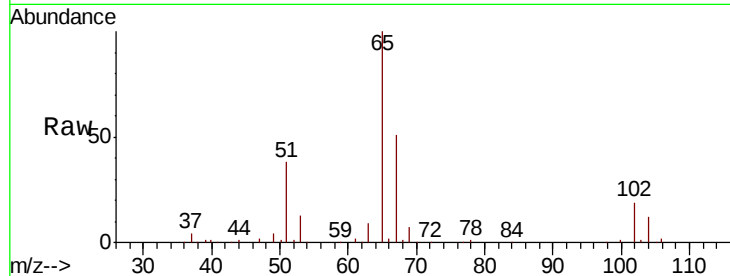




#33
 1,2-Dichloroethane-d4
 Concen: 47.560 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011038.D
 Acq: 28 Jun 2019 01:48

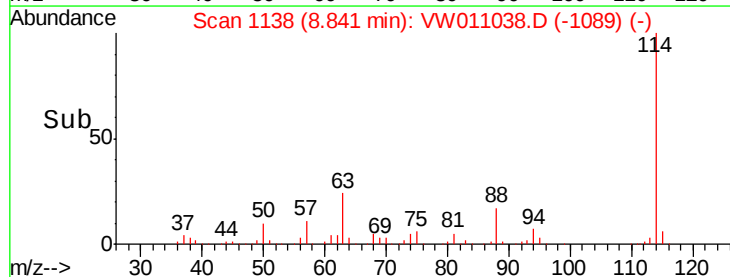
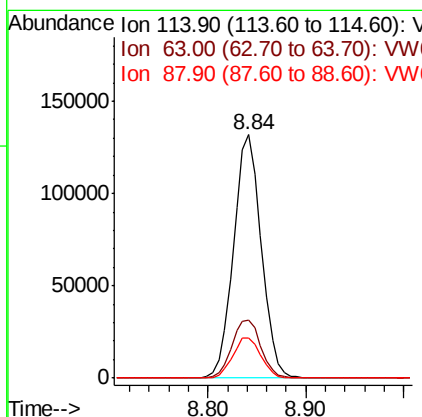
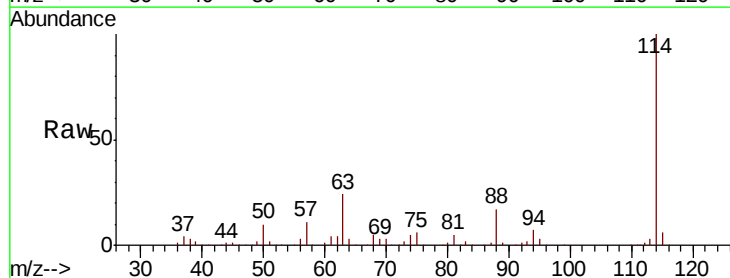
Instrument :
 MSVOA_W
 ClientSampleId :

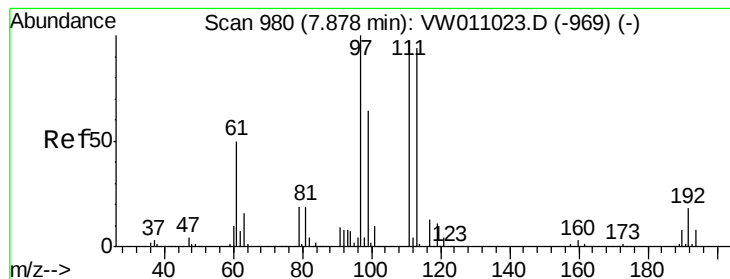
Tot Ion: 65 Resp: 86928
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011038.D
 Acq: 28 Jun 2019 01:48

Tgt Ion: 114 Resp: 258676
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 50.6
 88 16.5 0.0 34.0





#35

Dibromofluoromethane

Concen: 42.401 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW011038.D

Acq: 28 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

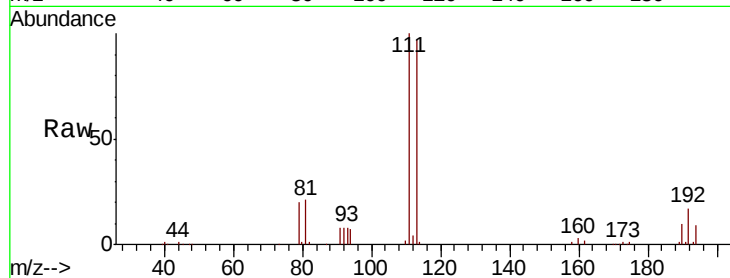
Tot Ion:113 Resp: 66975

Ion Ratio Lower Upper

113 100

111 104.1 83.8 125.6

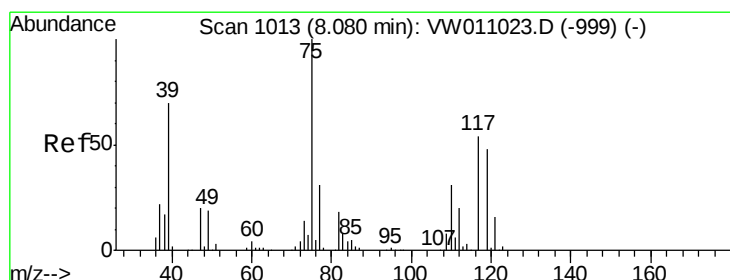
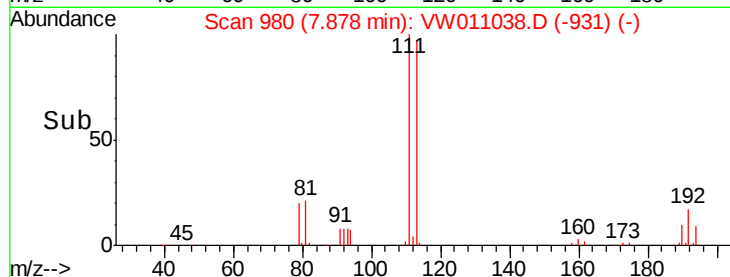
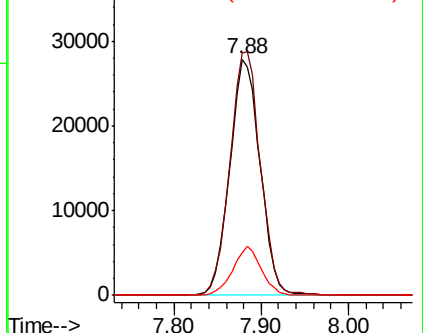
192 19.3 16.0 24.0



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: 4.560 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW011038.D

Acq: 28 Jun 2019 01:48

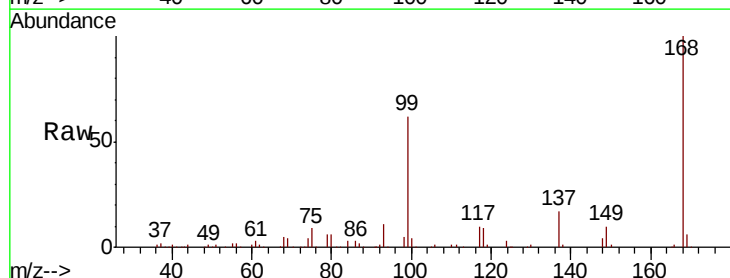
Tgt Ion: 75 Resp: 12679

Ion Ratio Lower Upper

75 100

110 8.6 15.5 46.5#

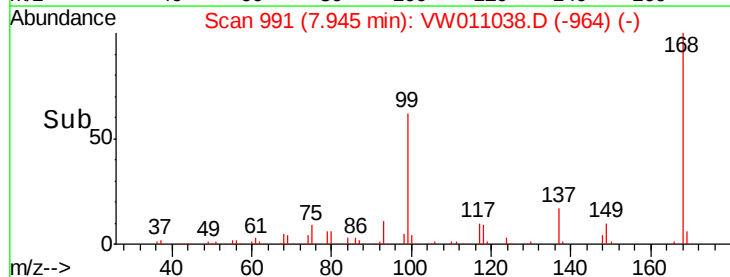
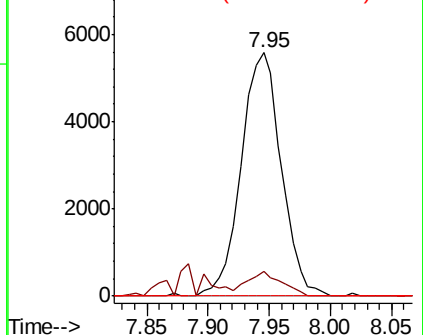
77 0.0 24.9 37.3#

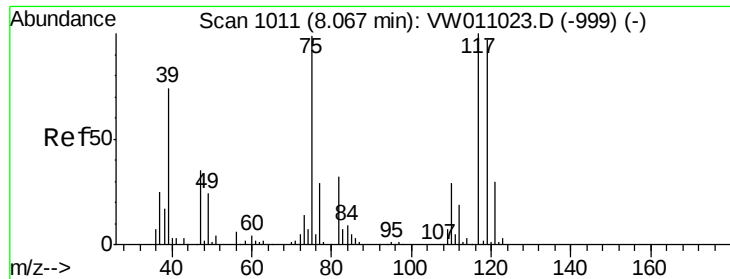


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.228 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011038.D

Acq: 28 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

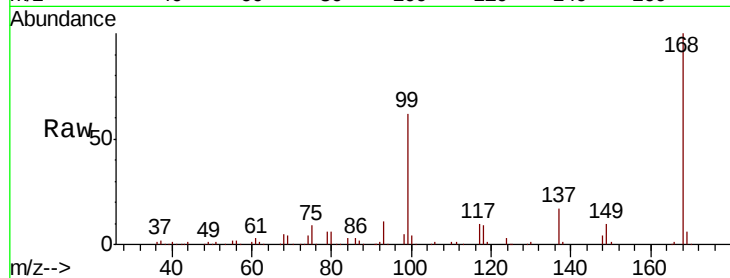
Tot Ion:117 Resp: 14261

Ion Ratio Lower Upper

117 100

119 6.1 77.7 116.5#

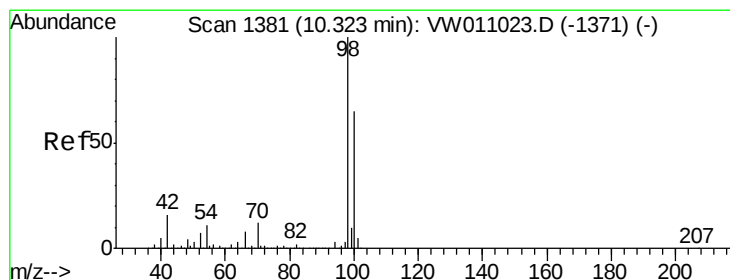
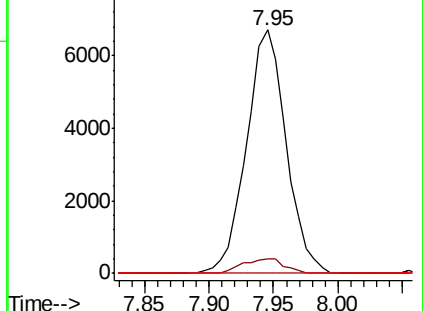
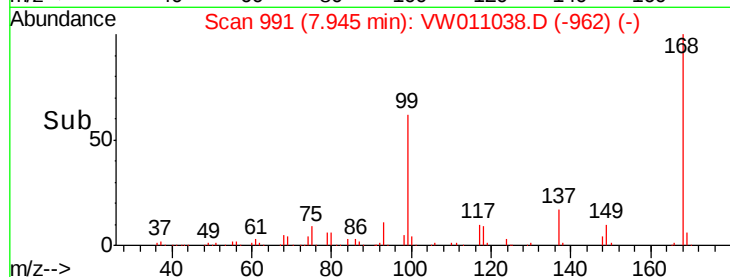
121 0.0 23.9 35.9#



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: 33.220 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011038.D

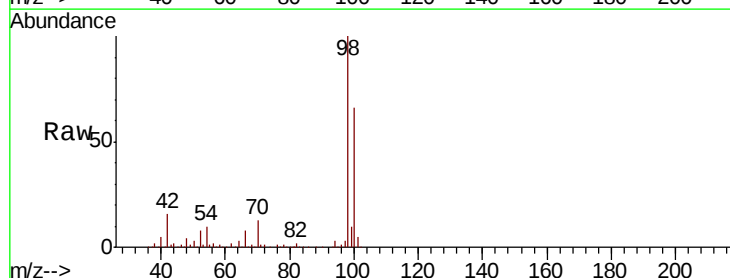
Acq: 28 Jun 2019 01:48

Tgt Ion: 98 Resp: 215996

Ion Ratio Lower Upper

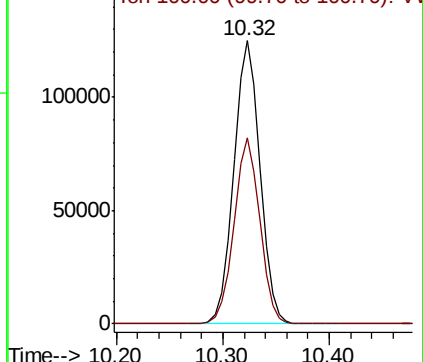
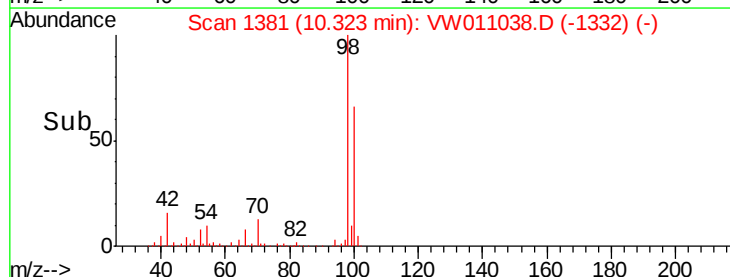
98 100

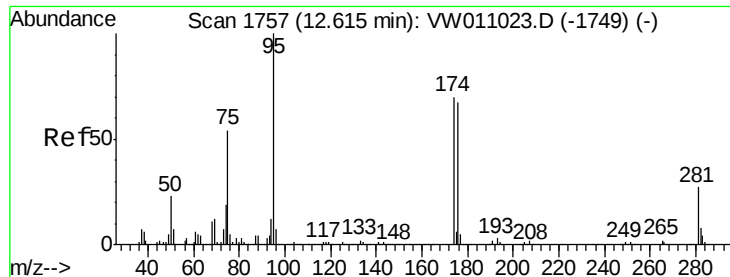
100 64.8 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 32.064 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011038.D

Acq: 28 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

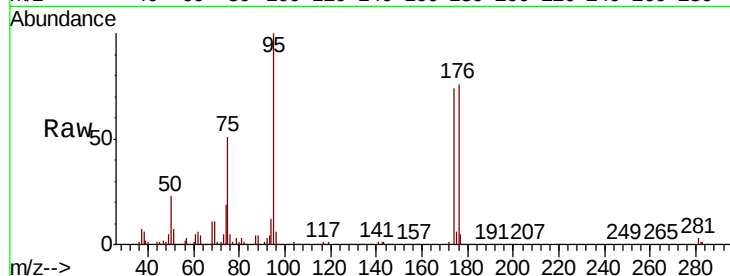
Tot Ion: 95 Resp: 76252

Ion Ratio Lower Upper

95 100

174 74.0 0.0 149.2

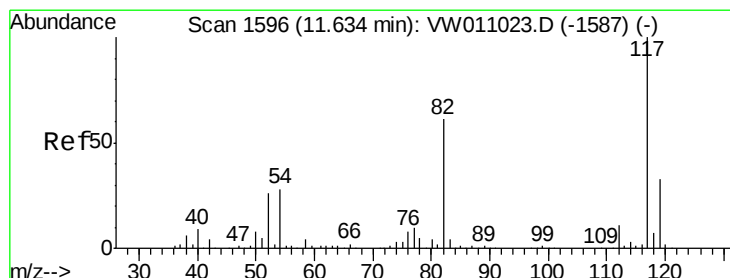
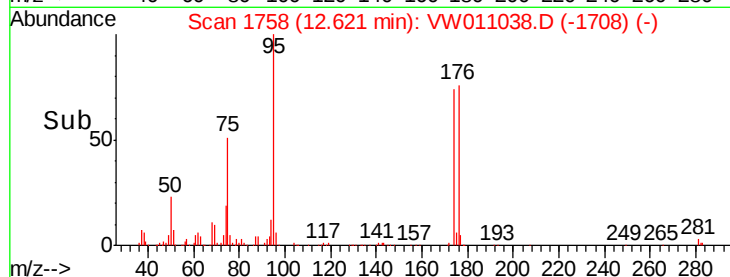
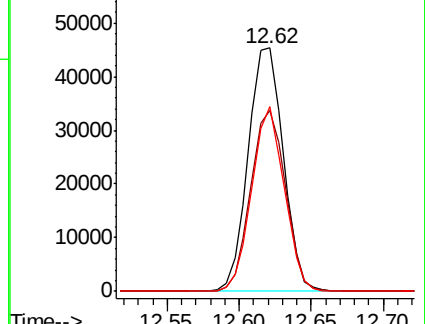
176 70.6 0.0 143.6



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# 1596

Delta R.T. -0.00 min

Lab File: VW011038.D

Acq: 28 Jun 2019 01:48

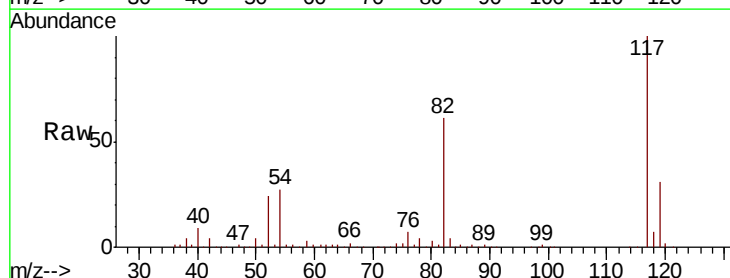
Tgt Ion: 117 Resp: 198064

Ion Ratio Lower Upper

117 100

82 60.5 48.6 73.0

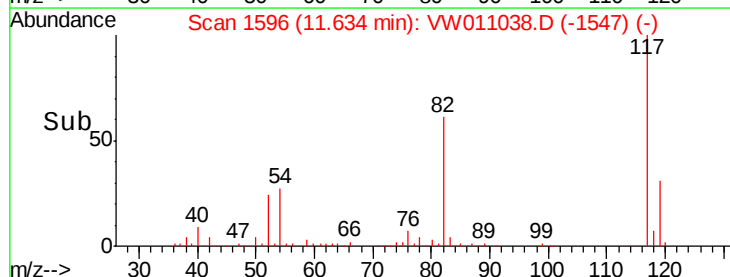
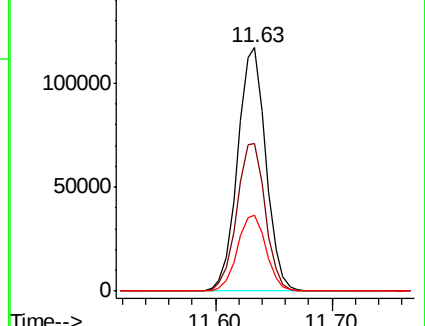
119 31.3 26.1 39.1

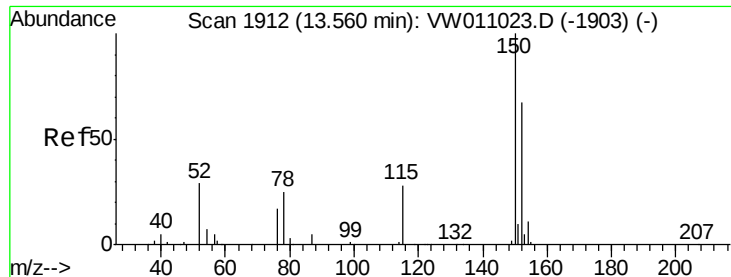


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW011038.D

Acq: 28 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

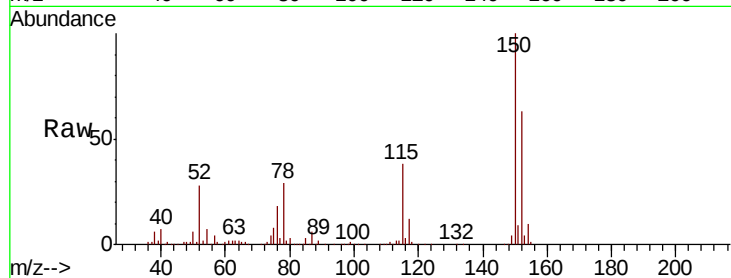
Tot Ion:152 Resp: 74212

Ion Ratio Lower Upper

152 100

115 61.2 30.7 92.1

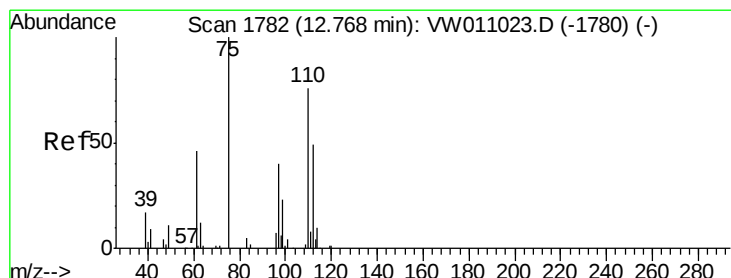
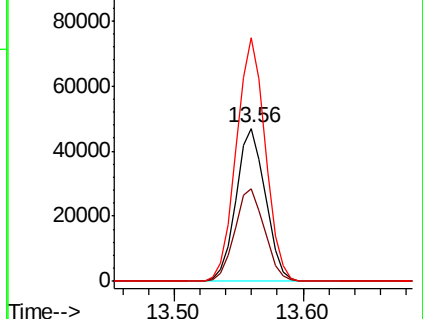
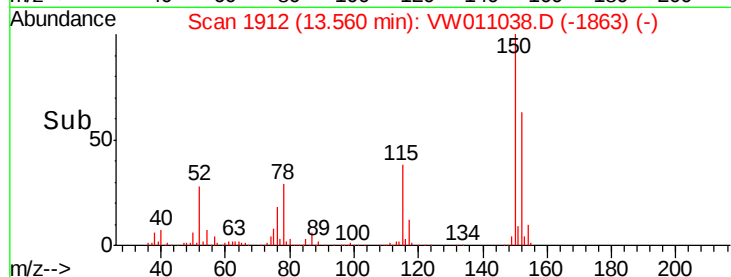
150 157.0 0.0 341.8



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: 52.657 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011038.D

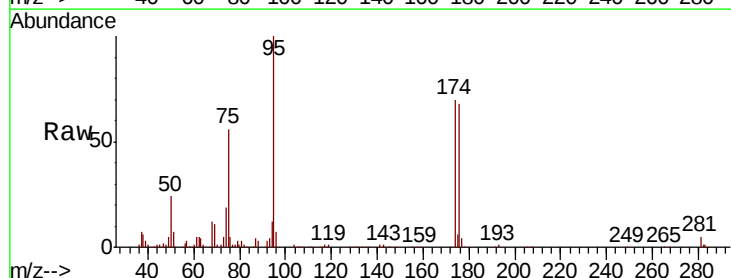
Acq: 28 Jun 2019 01:48

Tgt Ion: 75 Resp: 41256

Ion Ratio Lower Upper

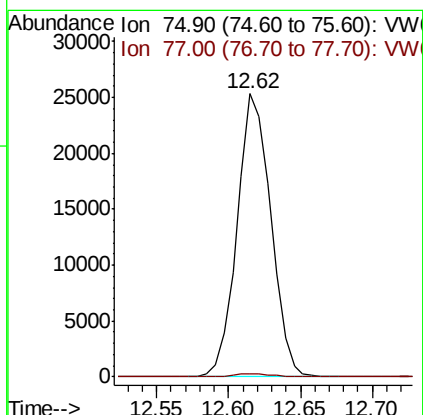
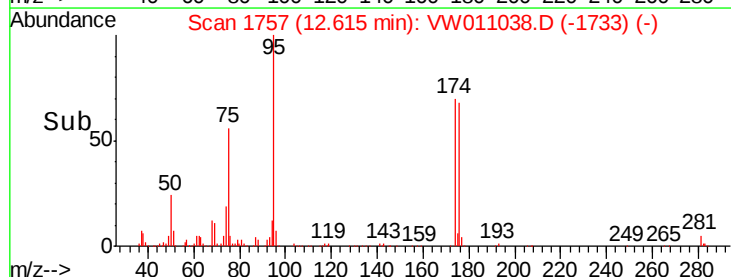
75 100

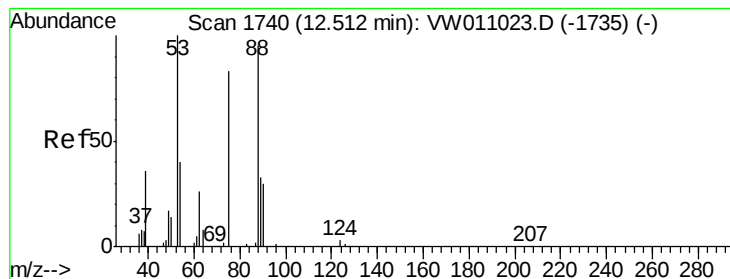
77 1.3 0.0 0.0#



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: 106.950 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011038.D

Acq: 28 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

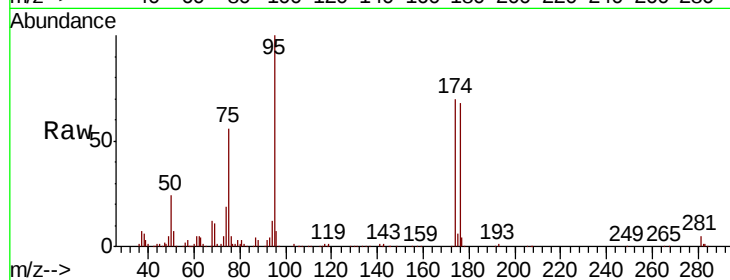
Tot Ion: 75 Resp: 41256

Ion Ratio Lower Upper

75 100

53 0.0 95.6 143.4#

89 0.0 34.4 51.6#



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

