

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013202.D
 Acq On : 21 Sep 2019 00:29
 Operator : SY/VA
 Sample : K4918-09
 Misc : 3.24G/5ML/MSVOA W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 21 04:56:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	326742	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	478390	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	391412	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	168132	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	126464	47.42	ug/l	0.00
Spiked Amount			Recovery	=	94.84%	
35) Dibromofluoromethane	7.88	113	129885	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	
50) Toluene-d8	10.32	98	561106	50.96	ug/l	0.00
Spiked Amount			Recovery	=	101.92%	
62) 4-Bromofluorobenzene	12.62	95	187064	49.73	ug/l	0.00
Spiked Amount			Recovery	=	99.46%	

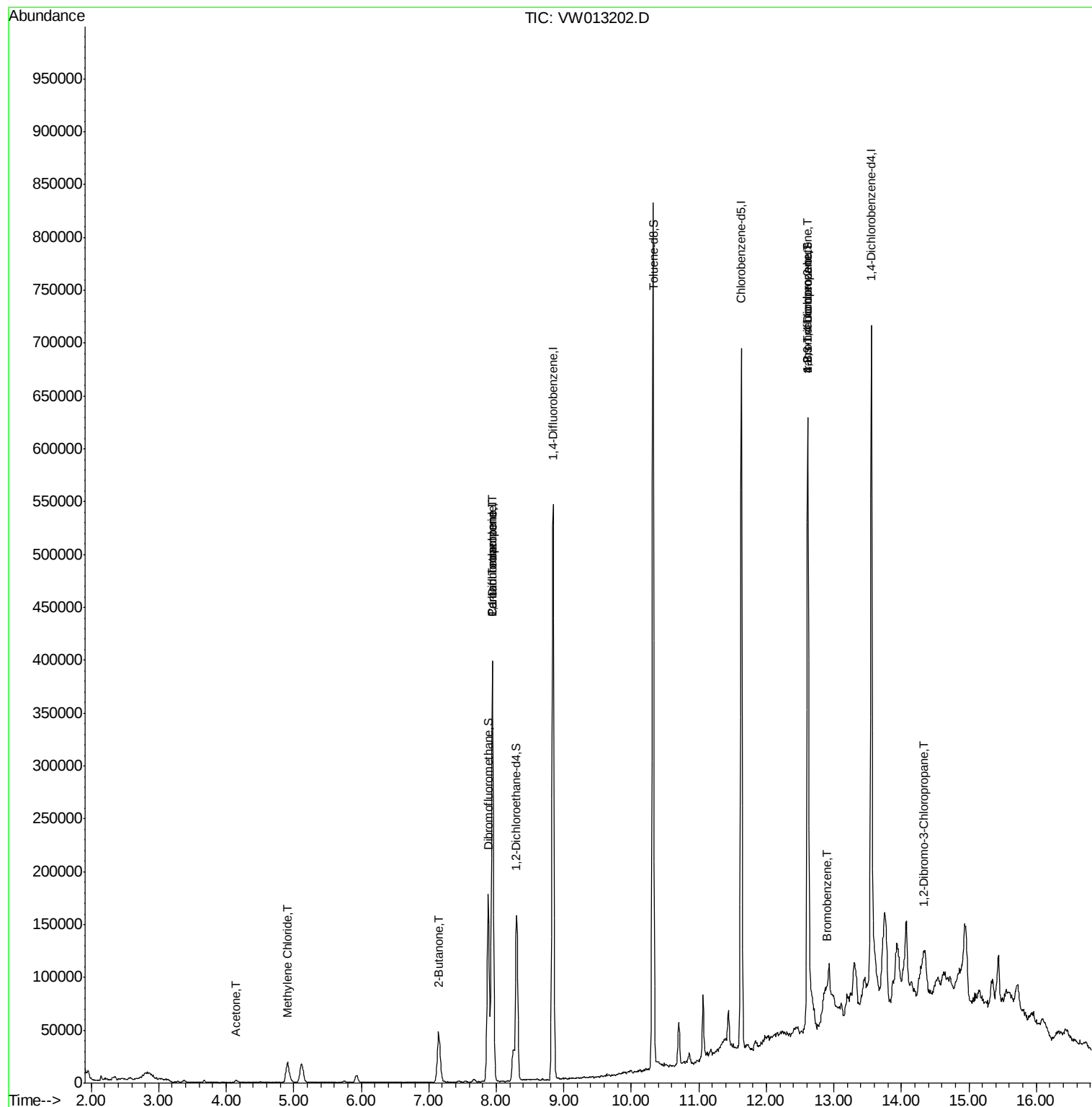
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.22	59	556	Below Cal	#	73
16) Acetone	4.15	43	3937	6.547	ug/l	100
20) Methylene Chloride	4.91	84	15930	2.415	ug/l	90
25) 2-Butanone	7.15	43	2798	3.099	ug/l #	73
26) 2,2-Dichloropropane	7.15	77	3688	Below Cal	#	52
36) 1,1-Dichloropropene	7.95	75	21804	4.706	ug/l #	49
38) Carbon Tetrachloride	7.94	117	27864	6.708	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	81036	54.576	ug/l #	100
77) Bromobenzene	12.89	156	41314	14.037	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	81036	122.464	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.33	75	763	2.402	ug/l	60

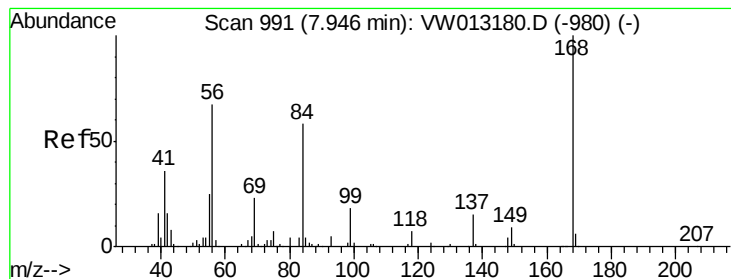
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092019\
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Quant Title : SW846 8260
QLast Update : Fri Sep 20 15:58:08 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: VW013202.D

Acq: 21 Sep 2019 00:29

Instrument :

MSVOA_W

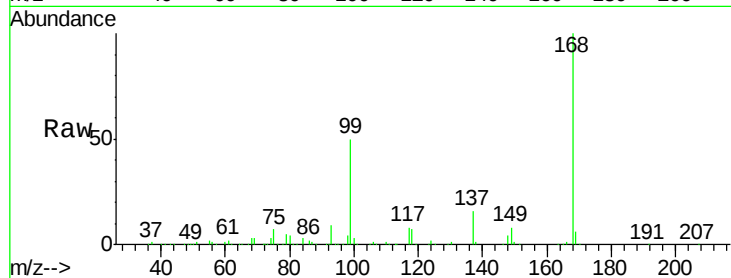
ClientSampleId :

Tot Ion:168 Resp: 326742

Ion Ratio Lower Upper

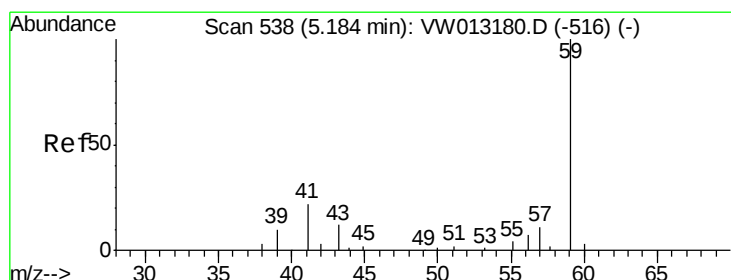
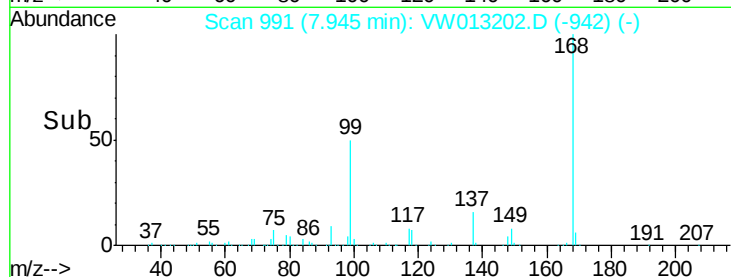
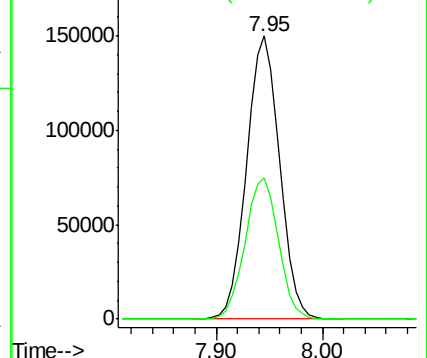
168 100

99 49.9 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.22 min Scan# 544

Delta R.T. 0.04 min

Lab File: VW013202.D

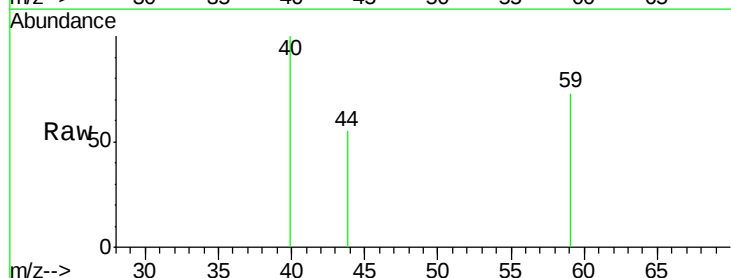
Acq: 21 Sep 2019 00:29

Tgt Ion: 59 Resp: 556

Ion Ratio Lower Upper

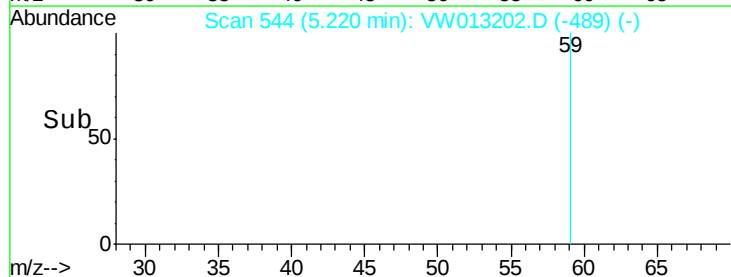
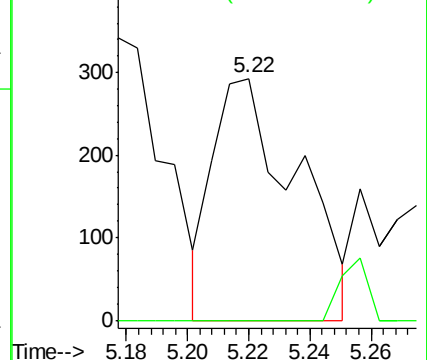
59 100

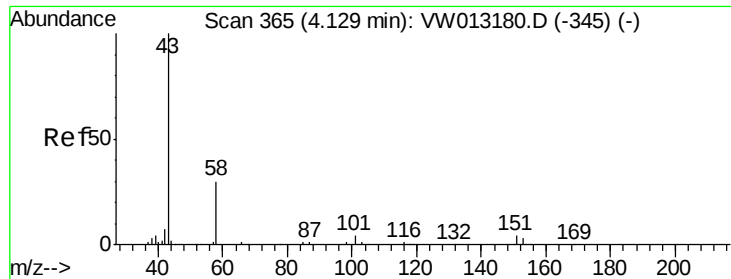
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

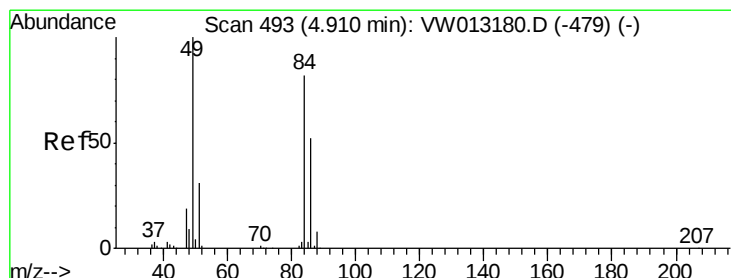
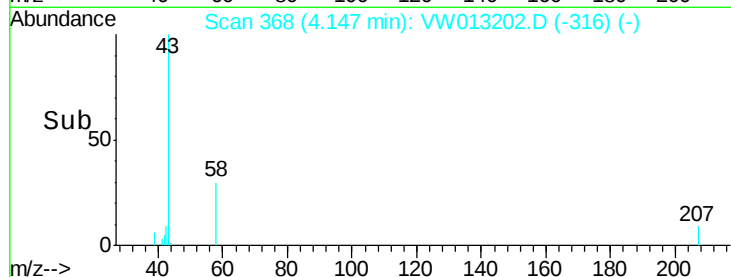
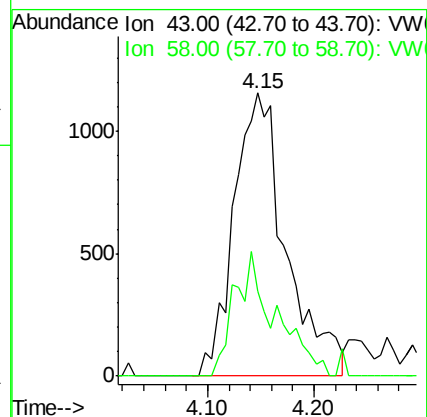
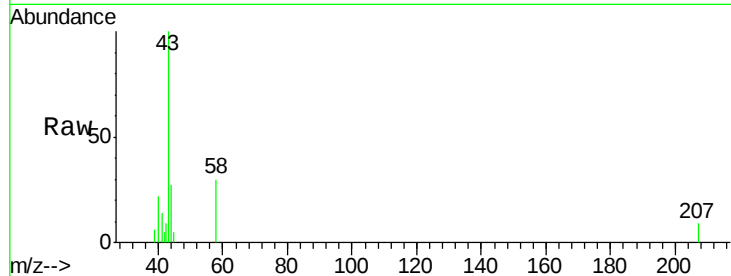




#16
Acetone
Concen: 6.547 ug/l
RT: 4.15 min Scan# 368
Delta R.T. 0.02 min
Lab File: VW013202.D
Acq: 21 Sep 2019 00:29

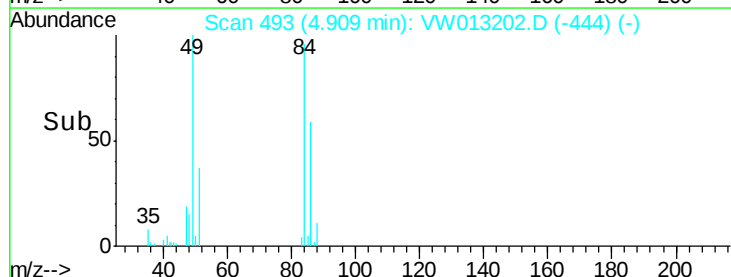
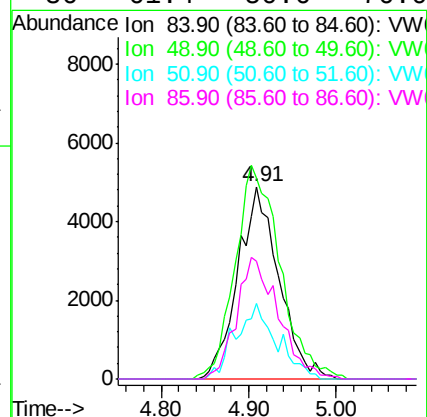
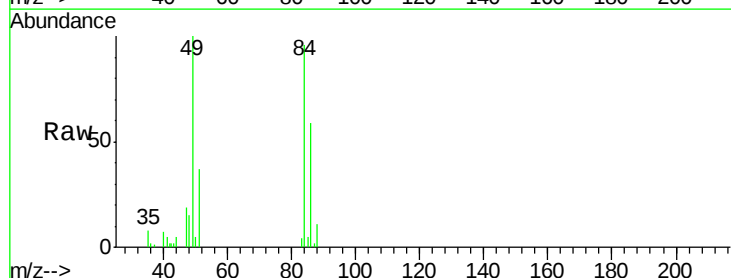
Instrument :
MSVOA_W
ClientSampleId :

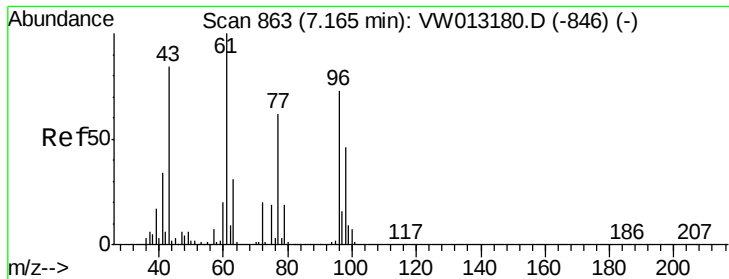
Tot Ion: 43 Resp: 3937
Ion Ratio Lower Upper
43 100
58 30.0 24.1 36.1



#20
Methylene Chloride
Concen: 2.415 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013202.D
Acq: 21 Sep 2019 00:29

Tgt Ion: 84 Resp: 15930
Ion Ratio Lower Upper
84 100
49 104.6 97.6 146.4
51 39.2 30.2 45.2
86 61.4 50.6 76.0





#25

2-Butanone

Concen: 3.099 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW013202.D

Acq: 21 Sep 2019 00:29

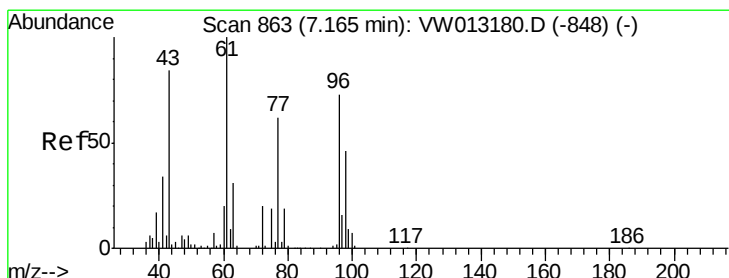
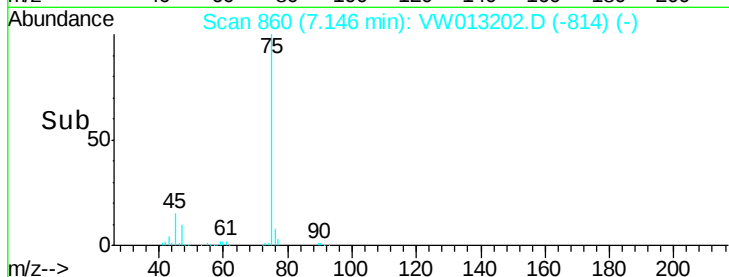
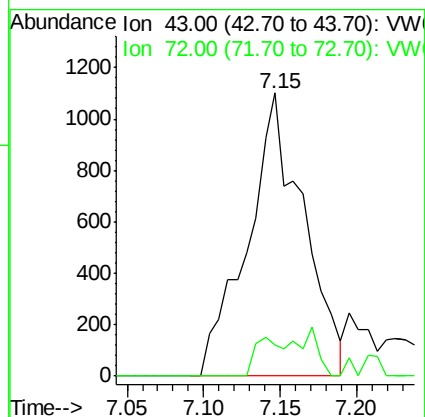
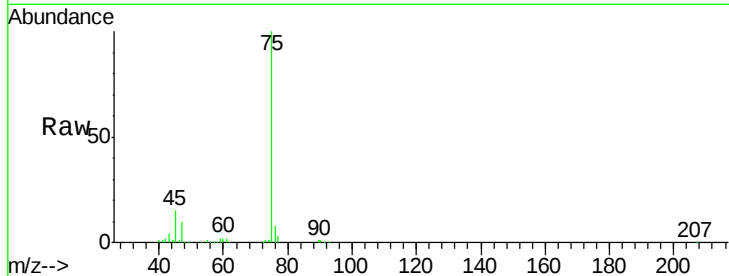
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 2798

Ion Ratio Lower Upper

43 100

72 10.9 19.4 29.0#



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW013202.D

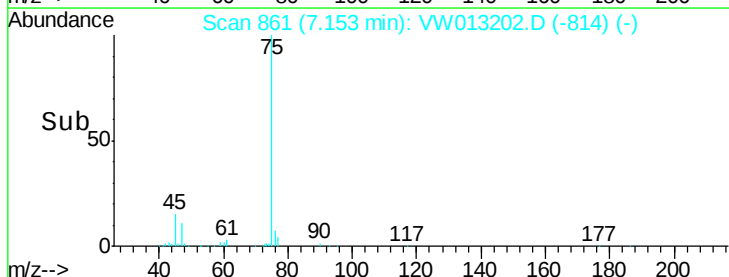
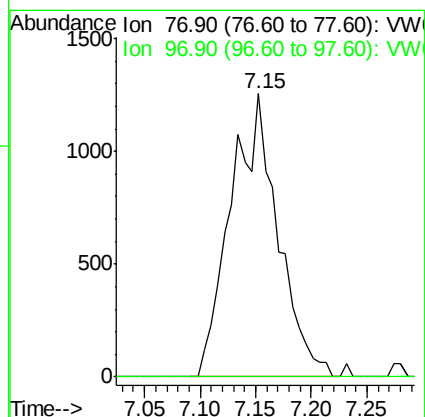
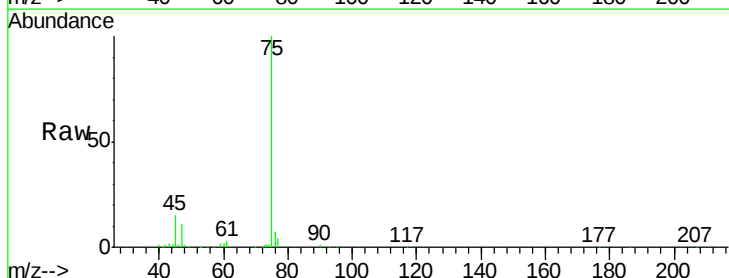
Acq: 21 Sep 2019 00:29

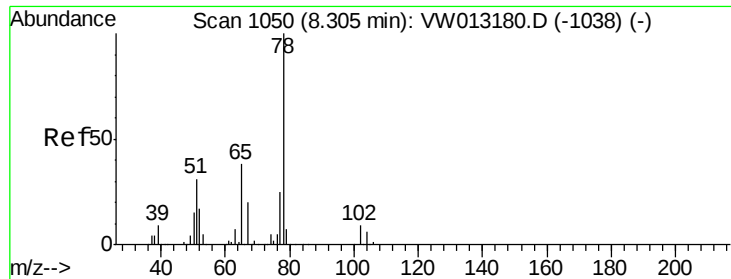
Tgt Ion: 77 Resp: 3688

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.4#

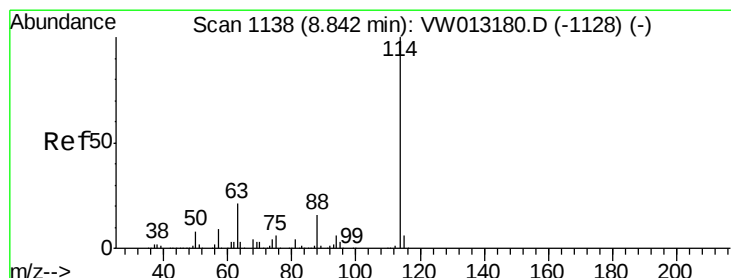
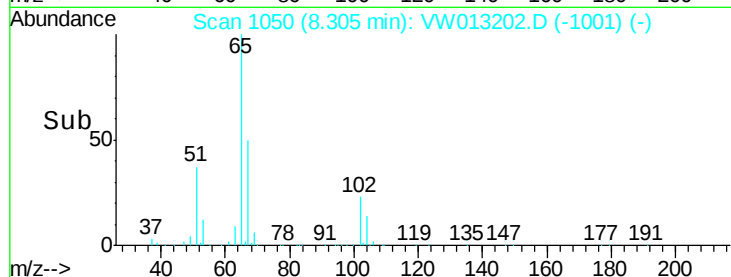
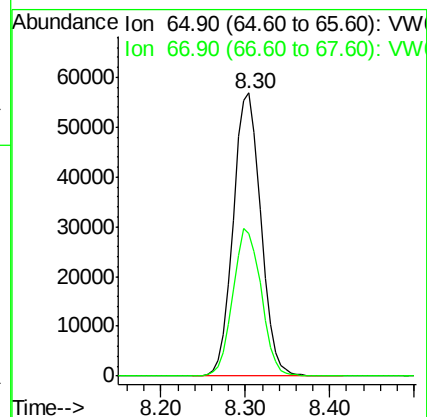
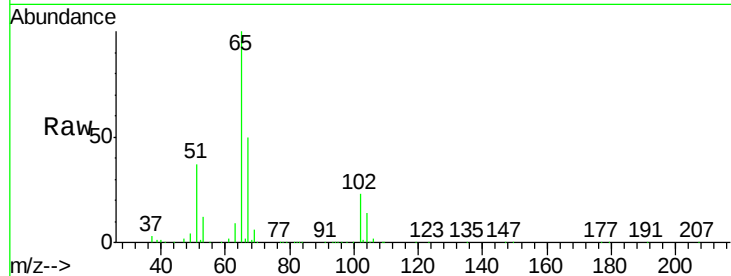




#33
 1,2-Dichloroethane-d4
 Concen: 47.424 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013202.D
 Acq: 21 Sep 2019 00:29

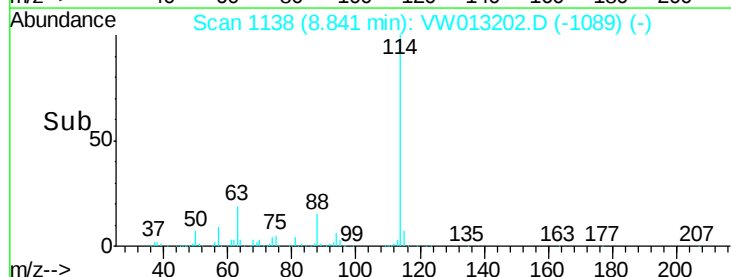
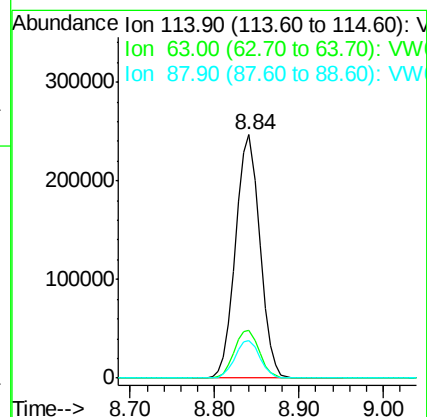
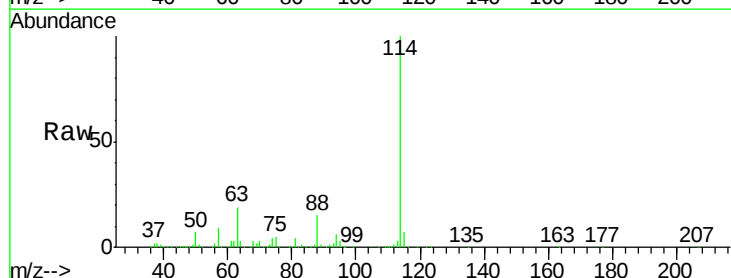
Instrument :
 MSVOA_W
 ClientSampled :

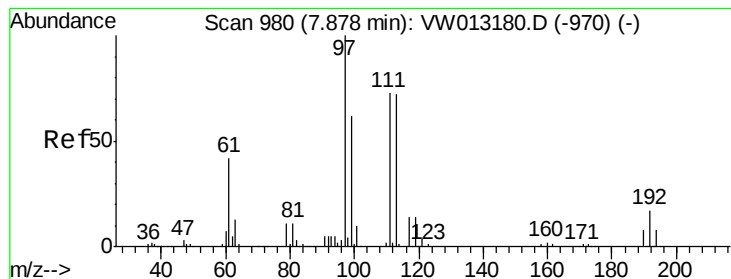
Tot Ion: 65 Resp: 126464
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013202.D
 Acq: 21 Sep 2019 00:29

Tgt Ion: 114 Resp: 478390
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 41.4
 88 15.2 0.0 32.0





#35

Dibromofluoromethane

Concen: 49.364 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013202.D

Acq: 21 Sep 2019 00:29

Instrument :

MSVOA_W

ClientSampleId :

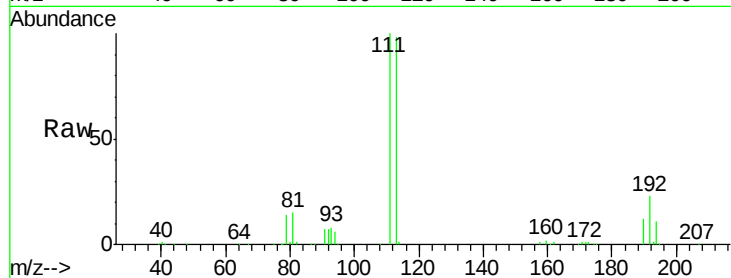
Tot Ion:113 Resp: 129885

Ion Ratio Lower Upper

113 100

111 104.1 81.9 122.9

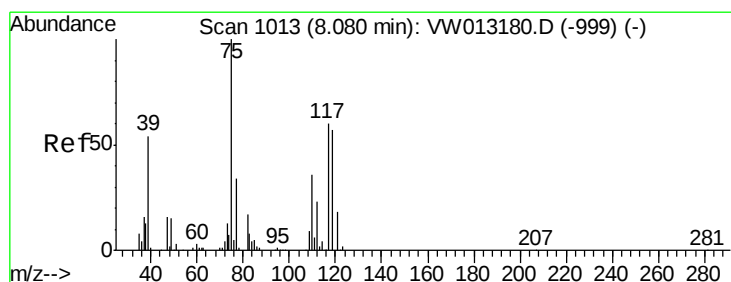
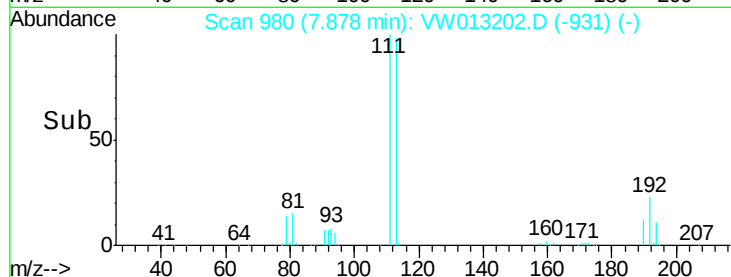
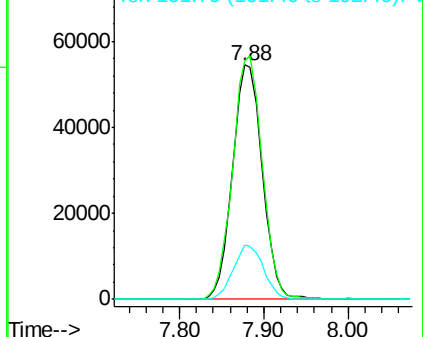
192 23.4 19.1 28.7



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: 4.706 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW013202.D

Acq: 21 Sep 2019 00:29

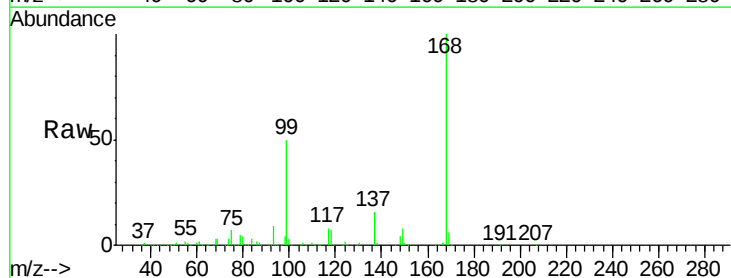
Tgt Ion: 75 Resp: 21804

Ion Ratio Lower Upper

75 100

110 9.5 18.1 54.3#

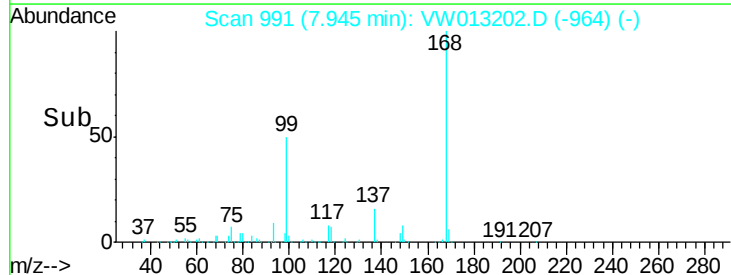
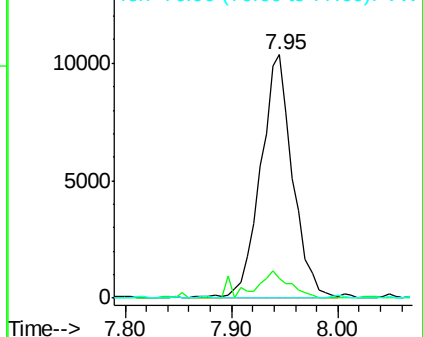
77 0.0 25.8 38.6#

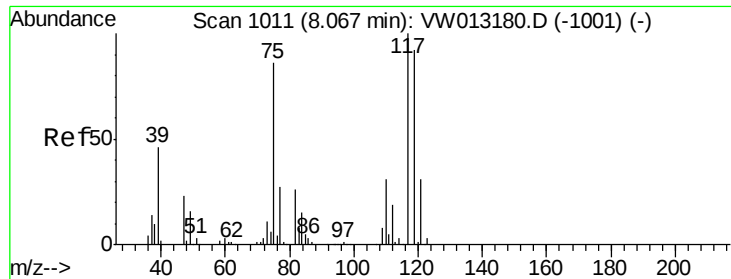


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

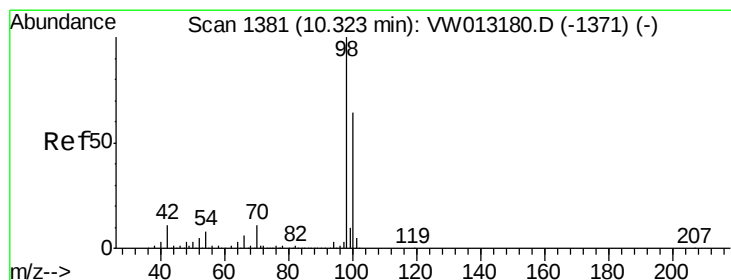
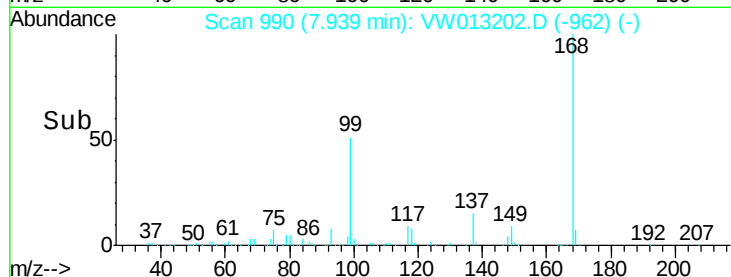
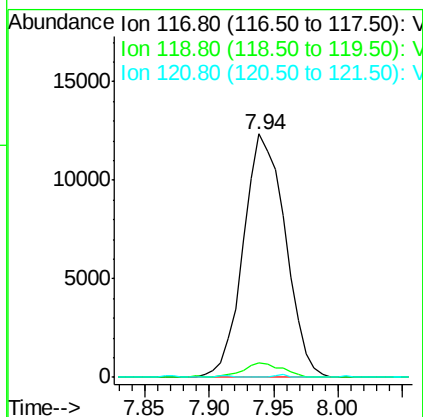
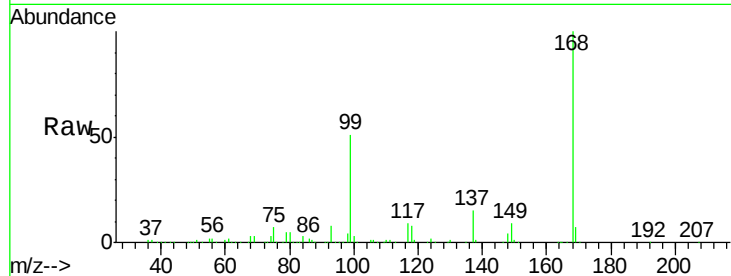




#38
Carbon Tetrachloride
Concen: 6.708 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.13 min
Lab File: VW013202.D
Acq: 21 Sep 2019 00:29

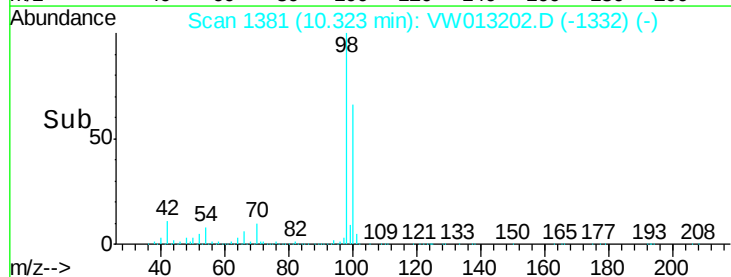
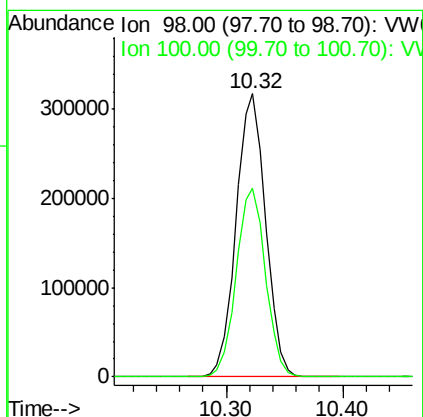
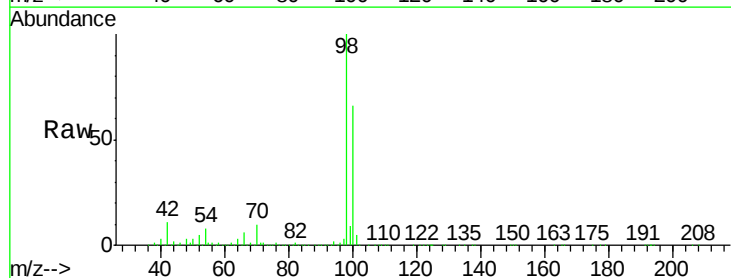
Instrument :
MSVOA_W
ClientSampleId :

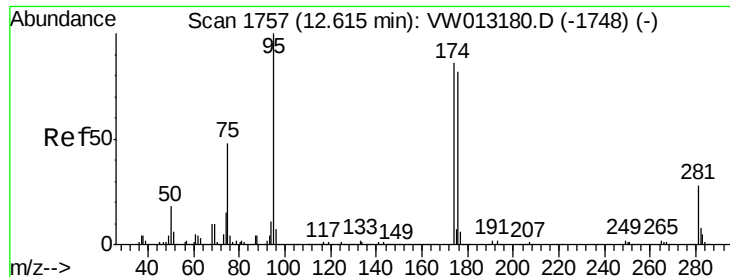
Tot Ion:117 Resp: 27864
Ion Ratio Lower Upper
117 100
119 5.9 73.5 110.3#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 50.956 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013202.D
Acq: 21 Sep 2019 00:29

Tgt Ion: 98 Resp: 561106
Ion Ratio Lower Upper
98 100
100 66.2 52.9 79.3





#62

4-Bromofluorobenzene

Concen: 49.731 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013202.D

Acq: 21 Sep 2019 00:29

Instrument :

MSVOA_W

ClientSampled :

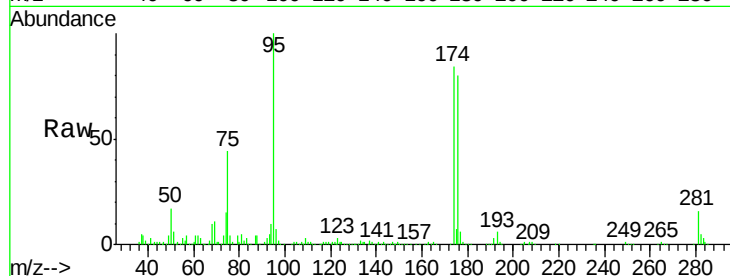
Tot Ion: 95 Resp: 187064

Ion Ratio Lower Upper

95 100

174 81.3 0.0 178.4

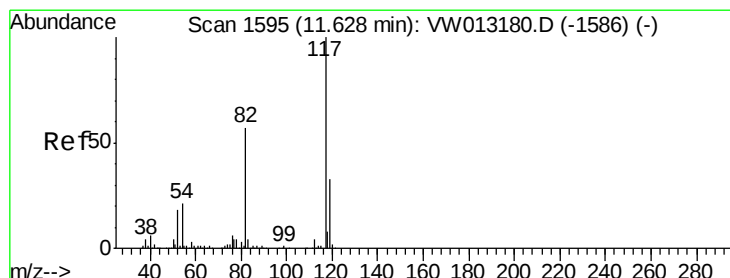
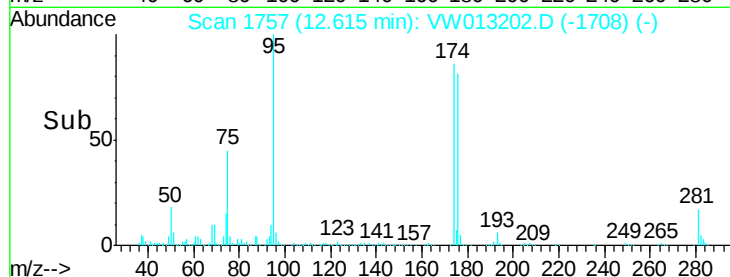
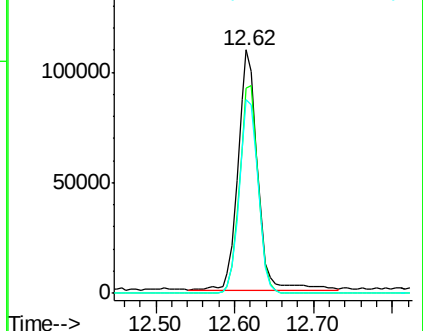
176 77.7 0.0 172.2



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. -0.00 min

Lab File: VW013202.D

Acq: 21 Sep 2019 00:29

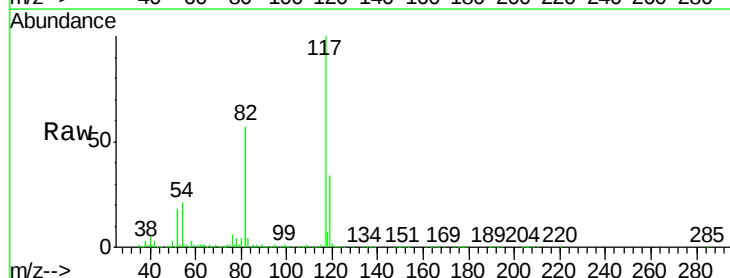
Tgt Ion: 117 Resp: 391412

Ion Ratio Lower Upper

117 100

82 57.2 45.9 68.9

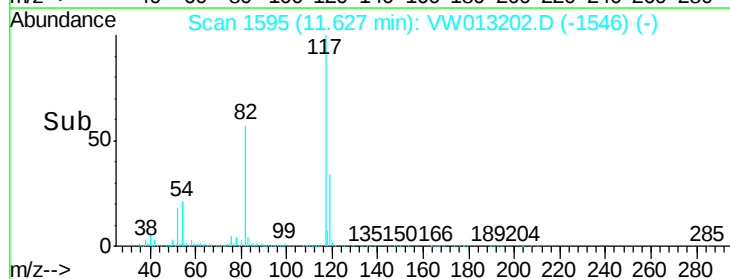
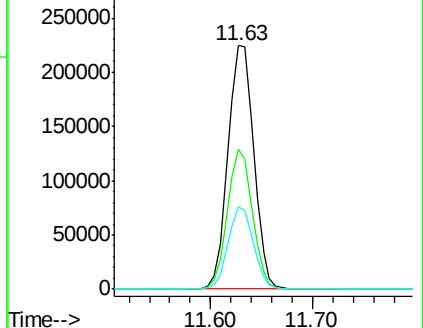
119 33.5 26.2 39.2

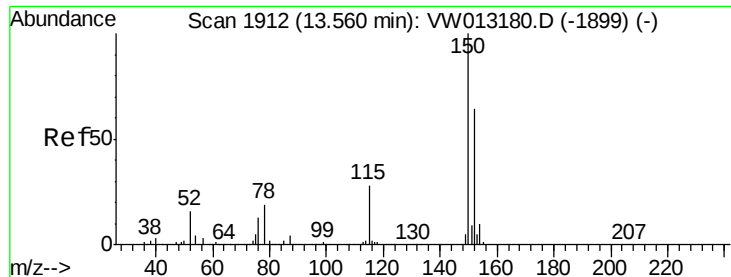


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



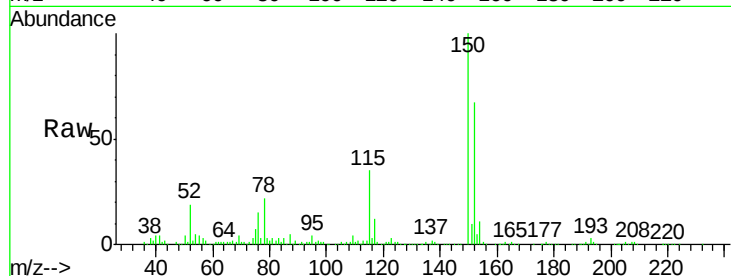


#72

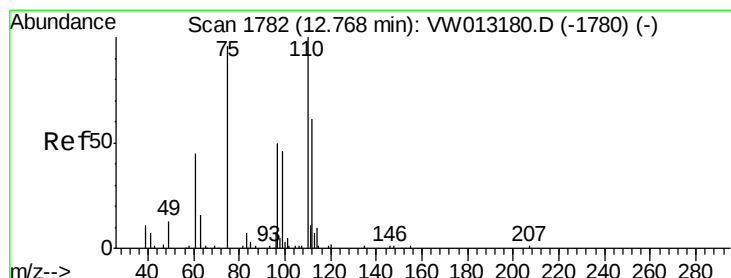
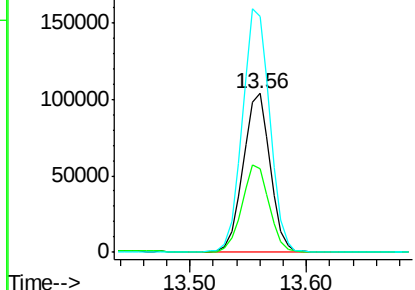
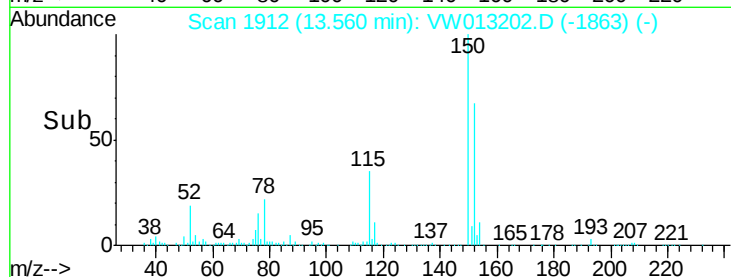
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013202.D
Acq: 21 Sep 2019 00:29

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.6	27.3	81.9
150	154.2	0.0	349.0



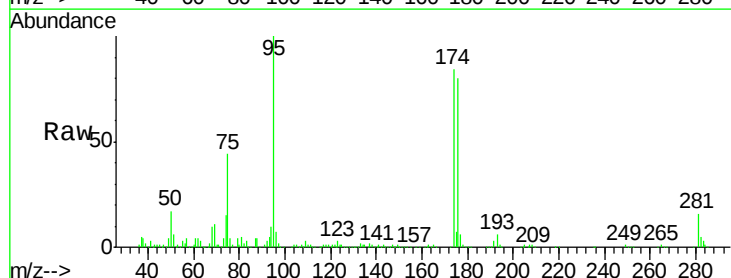
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



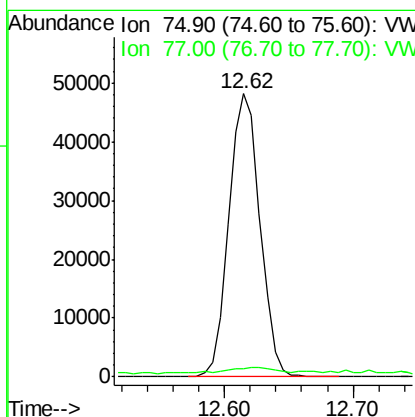
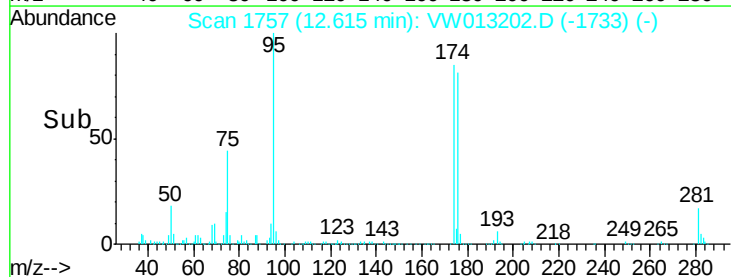
#76

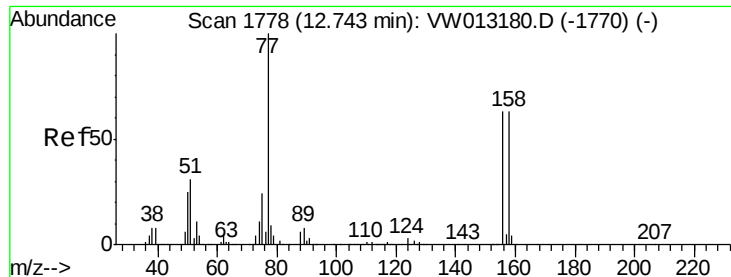
1,2,3-Trichloropropane
Concen: 54.576 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW013202.D
Acq: 21 Sep 2019 00:29

Tgt Ion	Ratio	Lower	Upper
75	100		
77	3.5	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 14.037 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.15 min

Lab File: VW013202.D

Acq: 21 Sep 2019 00:29

Instrument :

MSVOA_W

ClientSampleId :

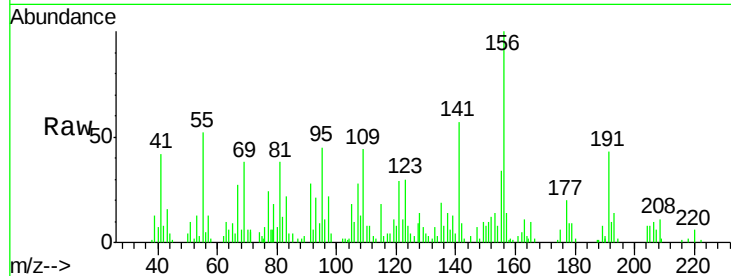
Tot Ion:156 Resp: 41314

Ion Ratio Lower Upper

156 100

77 0.0 85.7 257.1#

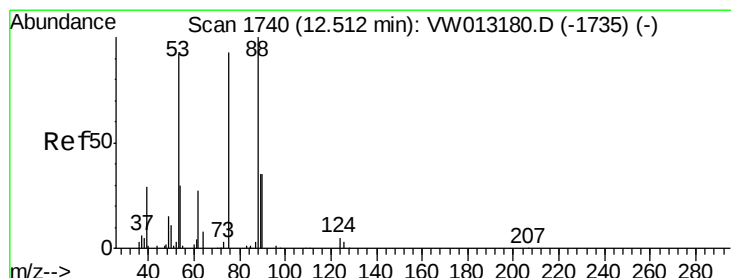
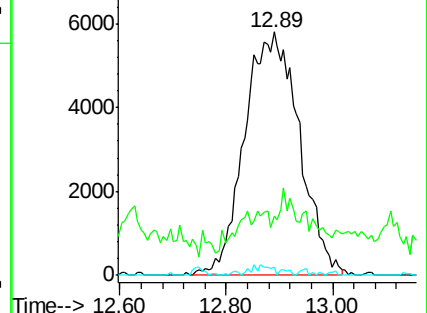
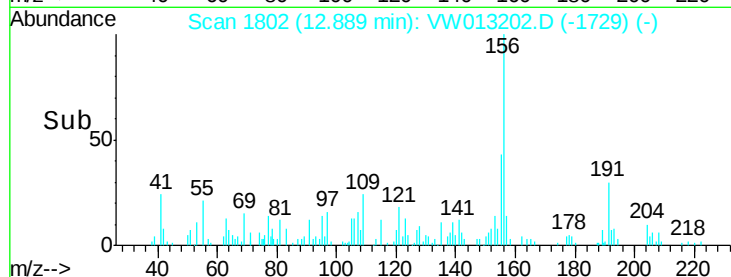
158 0.0 48.1 144.4#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 122.464 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013202.D

Acq: 21 Sep 2019 00:29

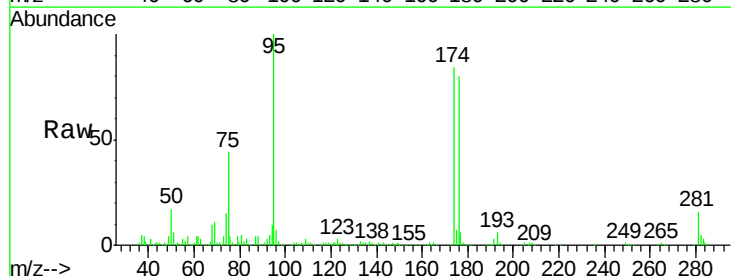
Tgt Ion: 75 Resp: 81036

Ion Ratio Lower Upper

75 100

53 1.0 76.6 114.8#

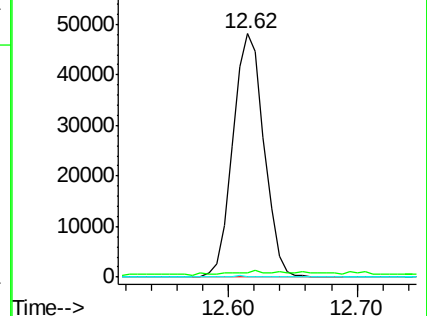
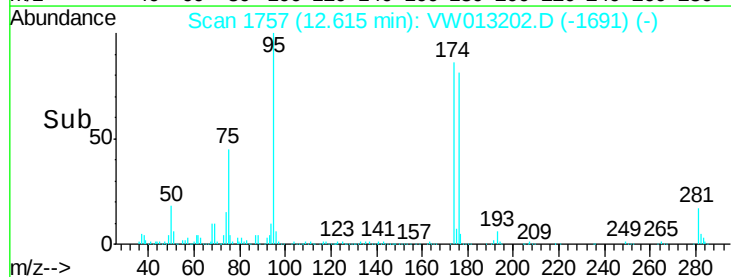
89 0.3 33.5 50.3#

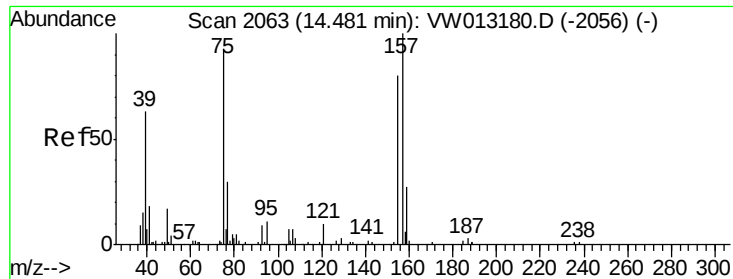


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.402 ug/l

RT: 14.33 min Scan# 2038

Delta R.T. -0.15 min

Lab File: VW013202.D

Acq: 21 Sep 2019 00:29

Instrument :

MSVOA_W

ClientSampleId :

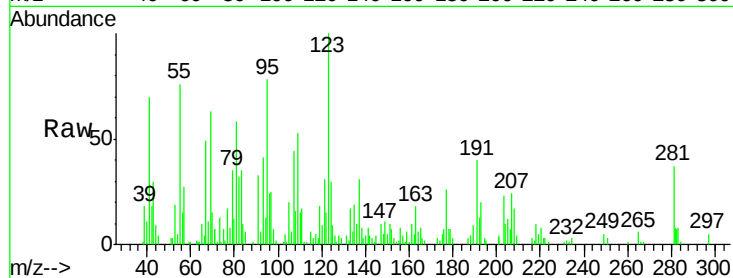
Tot Ion: 75 Resp: 763

Ion Ratio Lower Upper

75 100

155 118.3 46.1 138.3

157 64.9 60.4 181.2



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

