

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081719\
 Data File : VW011956.D
 Acq On : 16 Aug 2019 11:26
 Operator : SY/VA
 Sample : K3616-08
 Misc : 7.56G/5ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 JC-03-081519-B

Quant Time: Aug 17 04:58:09 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	203837	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	344973	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	284111	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	105614	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	134153	57.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.64%	
35) Dibromofluoromethane	7.88	113	106226	54.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.78%	
50) Toluene-d8	10.32	98	419344	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	
62) 4-Bromofluorobenzene	12.62	95	132240	46.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.62%	

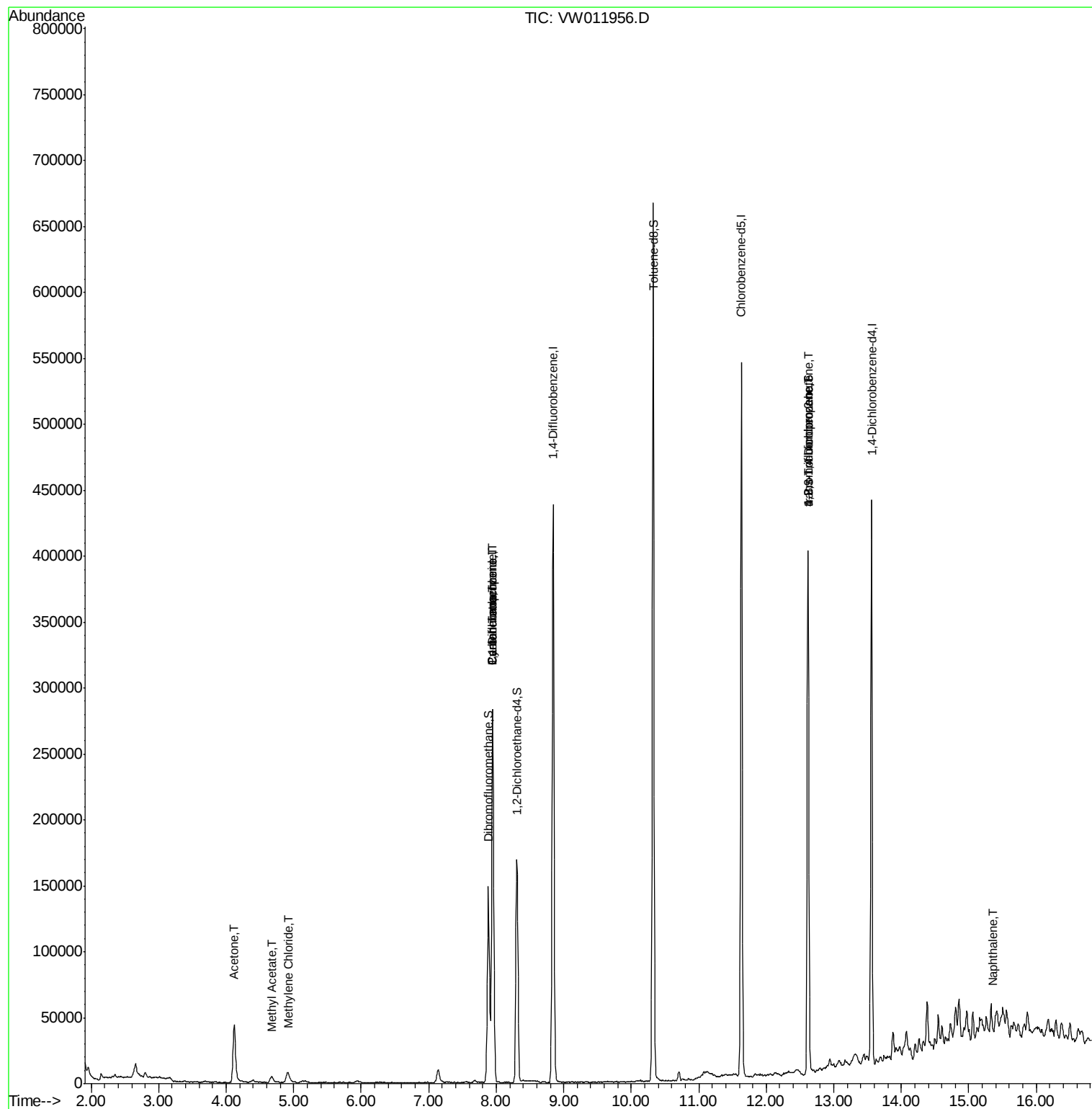
Target Compounds					Qvalue
11) Tert butyl alcohol	5.17	59	2184	Below Cal	# 72
16) Acetone	4.12	43	77956	104.703	ug/l 99
18) Methyl Acetate	4.68	43	9688	5.792	ug/l 100
20) Methylene Chloride	4.91	84	5734	2.233	ug/l 95
31) Cyclohexane	7.94	56	5185	1.185	ug/l # 6
36) 1,1-Dichloropropene	7.95	75	17666	4.925	ug/l # 52
38) Carbon Tetrachloride	7.95	117	20850	6.790	ug/l # 16
76) 1,2,3-Trichloropropane	12.62	75	69415	62.115	ug/l # 100
81) trans-1,4-Dichloro-2-buten	12.62	75	69415	143.154	ug/l # 6
95) Naphthalene	15.36	128	845	2.260	ug/l # 86

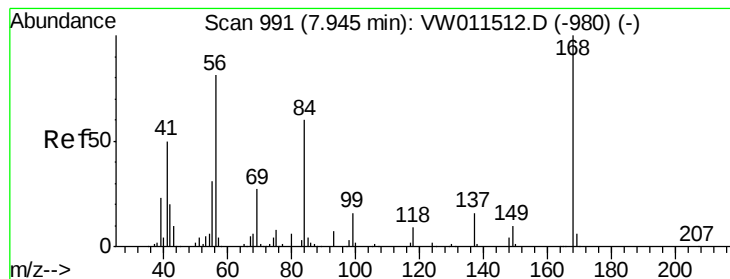
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW011956.D

Acq: 16 Aug 2019 11:26

Instrument :

MSVOA_W

ClientSampleId :

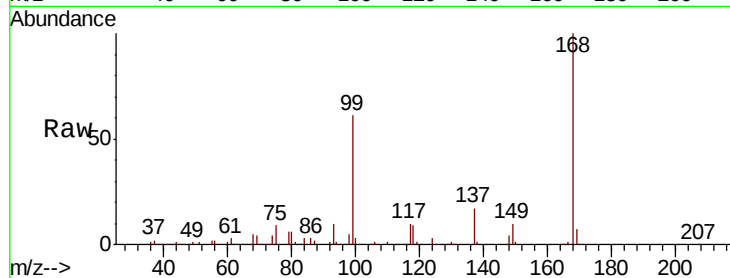
JC-03-081519-B

Tgt Ion:168 Resp: 203837

Ion Ratio Lower Upper

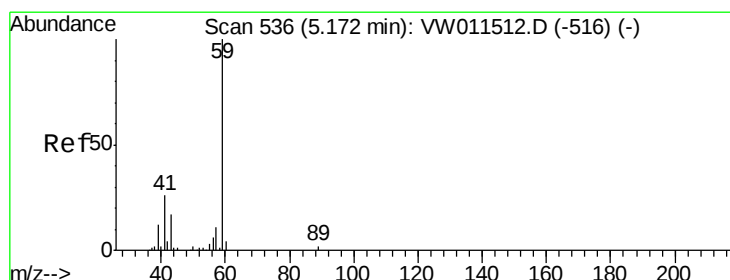
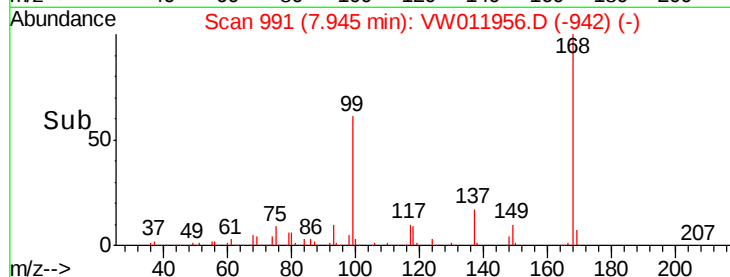
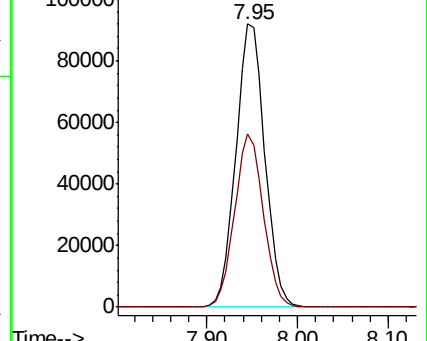
168 100

99 61.1 48.2 72.4



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: 5.17 min Scan# 535

Delta R.T. -0.01 min

Lab File: VW011956.D

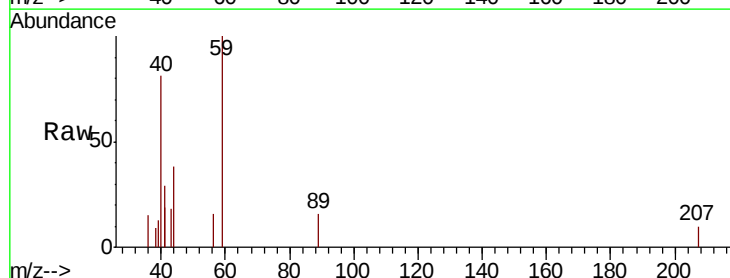
Acq: 16 Aug 2019 11:26

Tgt Ion: 59 Resp: 2184

Ion Ratio Lower Upper

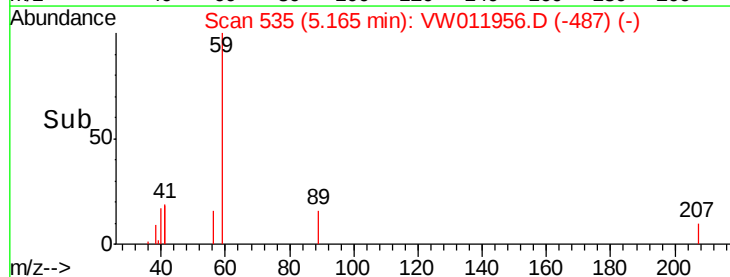
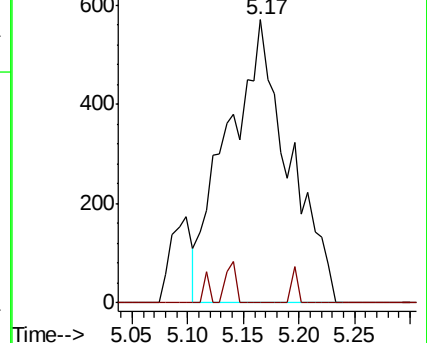
59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

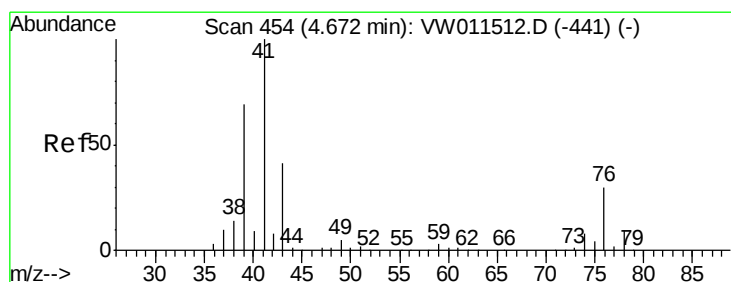
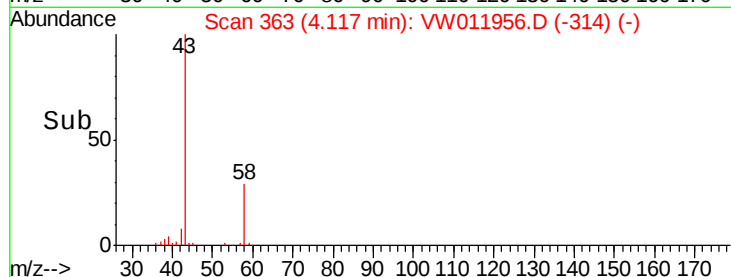
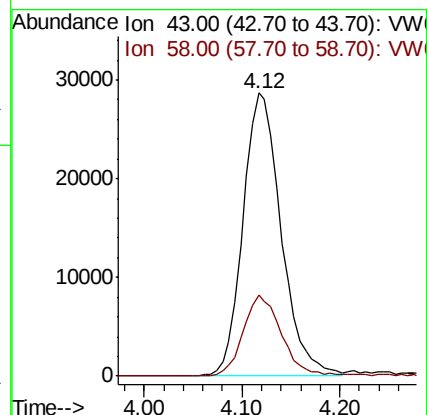
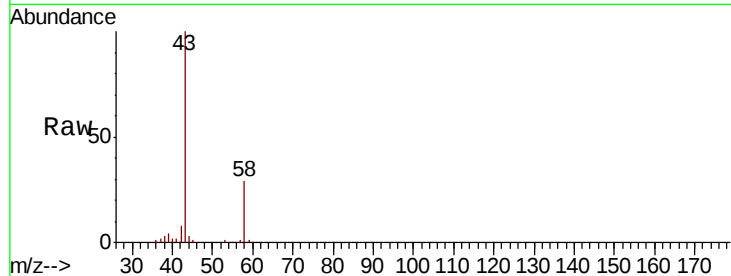




#16
Acetone
Concen: 104.703 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.00 min
Lab File: VW011956.D
Acq: 16 Aug 2019 11:26

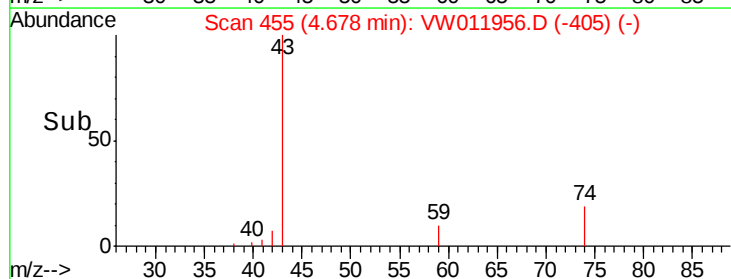
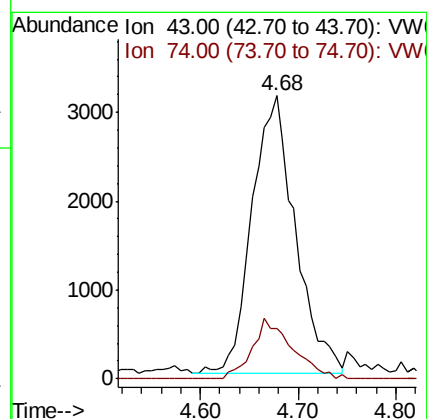
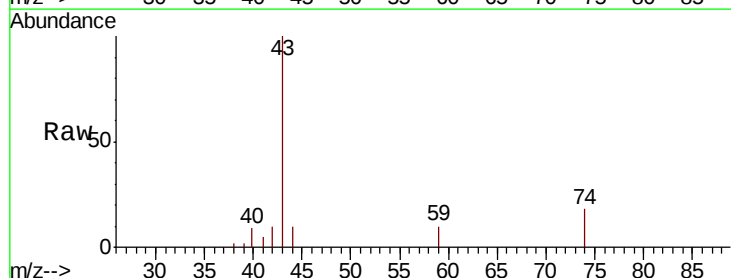
Instrument :
MSVOA_W
ClientSampleId :
JC-03-081519-B

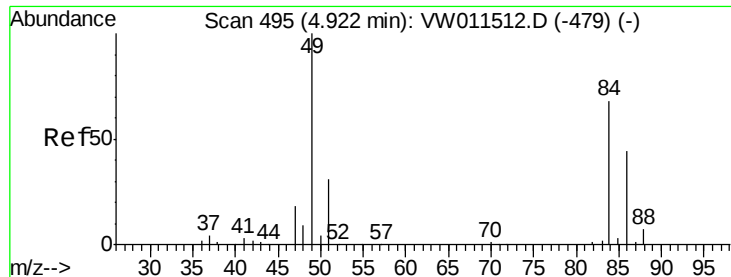
Tgt Ion: 43 Resp: 77956
Ion Ratio Lower Upper
43 100
58 28.6 22.3 33.5



#18
Methyl Acetate
Concen: 5.792 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW011956.D
Acq: 16 Aug 2019 11:26

Tgt Ion: 43 Resp: 9688
Ion Ratio Lower Upper
43 100
74 20.0 15.9 23.9

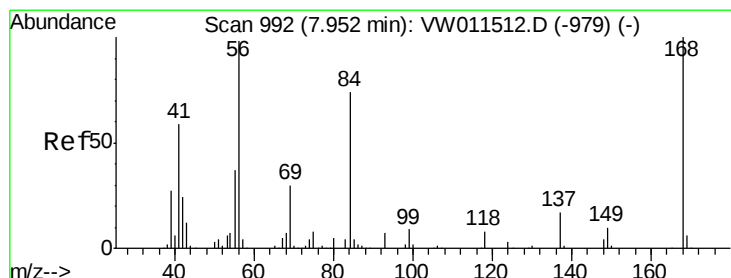
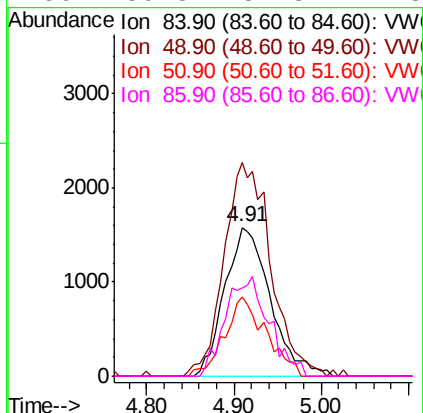
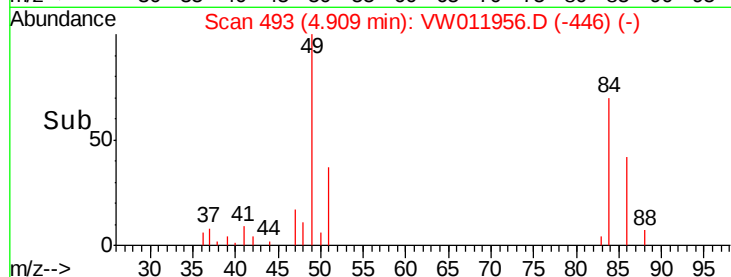
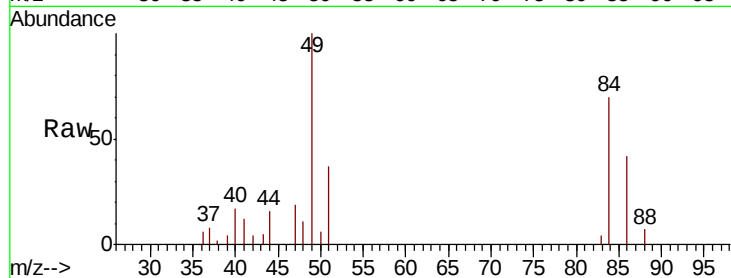




#20
Methylene Chloride
Concen: 2.233 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011956.D
Acq: 16 Aug 2019 11:26

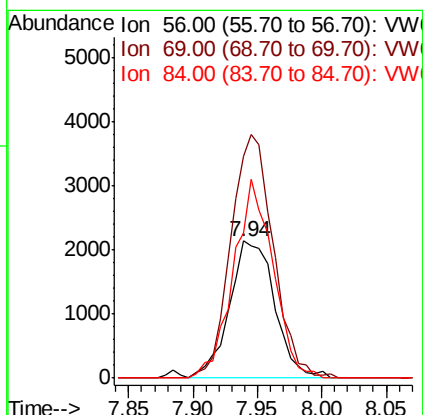
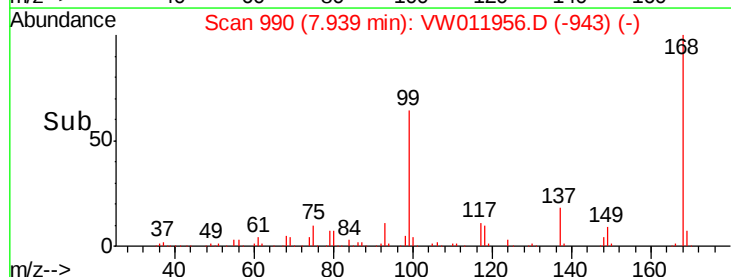
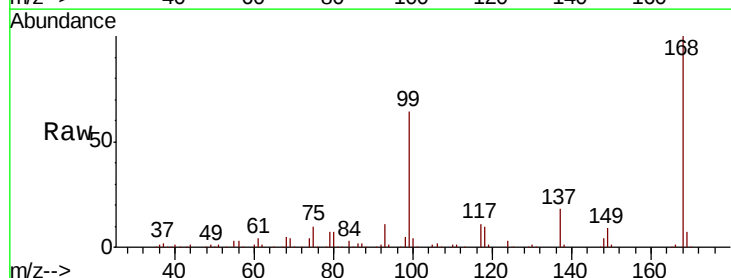
Instrument :
MSVOA_W
ClientSampleId :
JC-03-081519-B

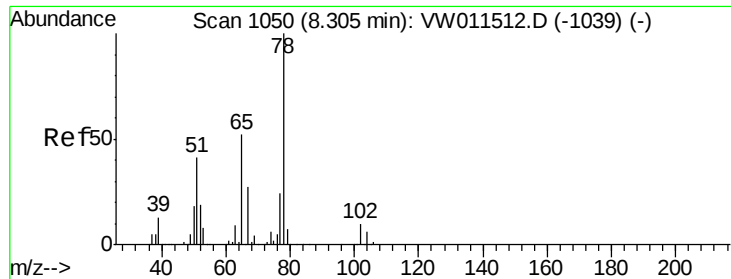
Tgt Ion:	84	Resp:	5734
Ion	Ratio	Lower	Upper
84	100		
49	143.7	117.8	176.6
51	53.1	37.0	55.4
86	59.8	51.8	77.8



#31
Cyclohexane
Concen: 1.185 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW011956.D
Acq: 16 Aug 2019 11:26

Tgt Ion:	56	Resp:	5185
Ion	Ratio	Lower	Upper
56	100		
69	162.1	24.3	36.5#
84	105.3	60.4	90.6#

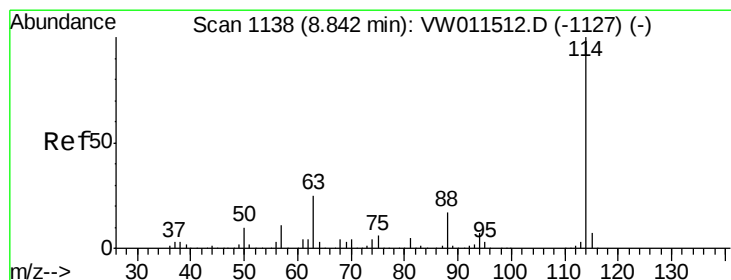
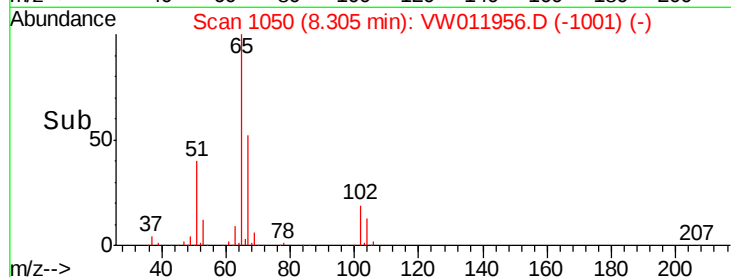
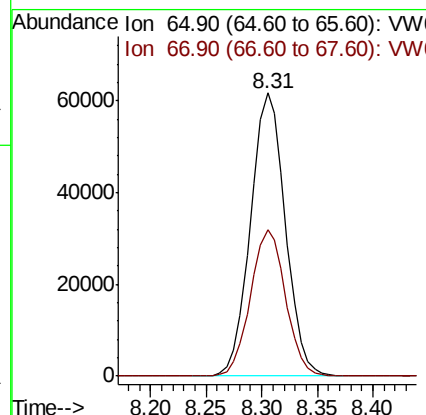
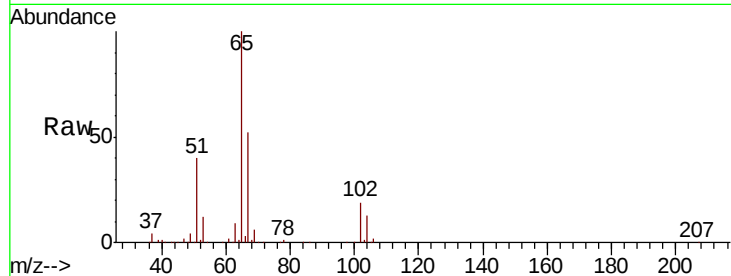




#33
 1,2-Dichloroethane-d4
 Concen: 57.315 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011956.D
 Acq: 16 Aug 2019 11:26

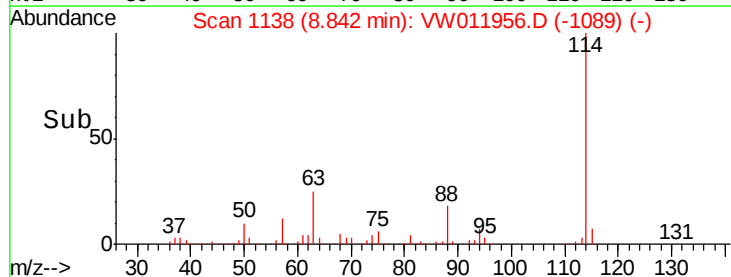
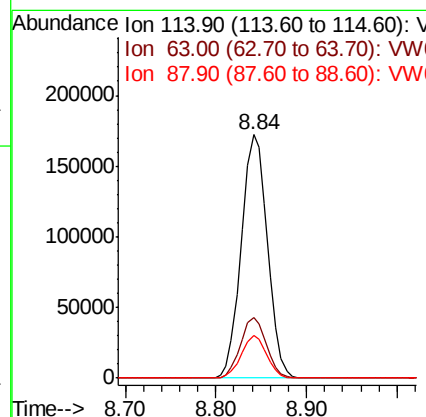
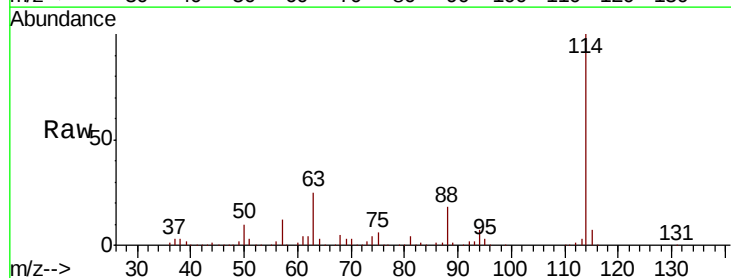
Instrument :
 MSVOA_W
 ClientSampleId :
 JC-03-081519-B

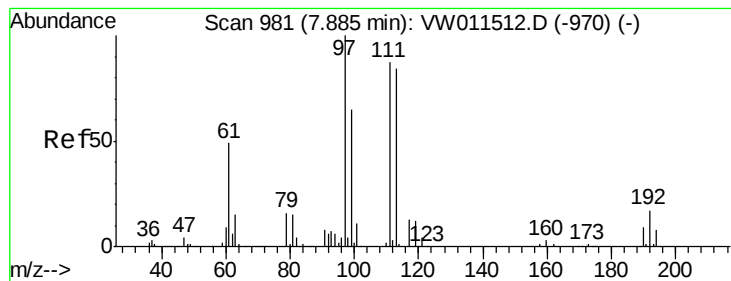
Tgt Ion: 65 Resp: 134153
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011956.D
 Acq: 16 Aug 2019 11:26

Tgt Ion: 114 Resp: 344973
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 49.2
 88 17.5 0.0 33.8





#35

Dibromofluoromethane

Concen: 54.887 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011956.D

Acq: 16 Aug 2019 11:26

Instrument :

MSVOA_W

ClientSampleId :

JC-03-081519-B

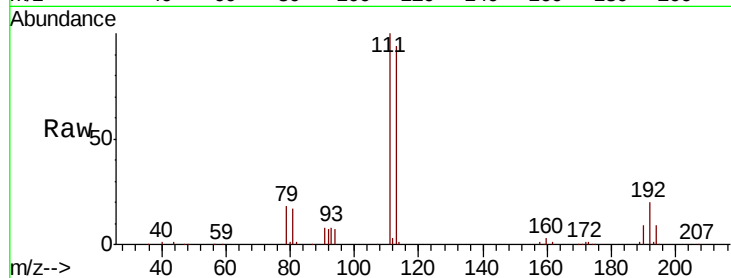
Tgt Ion:113 Resp: 106226

Ion Ratio Lower Upper

113 100

111 103.2 82.7 124.1

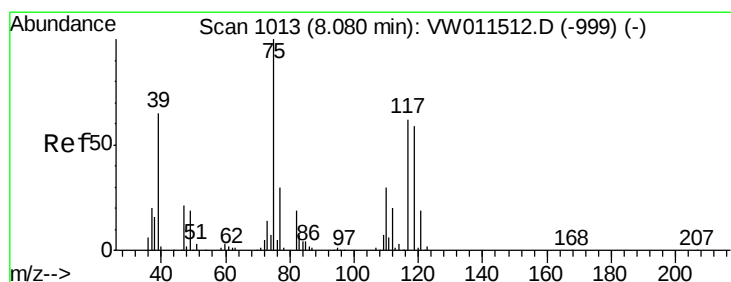
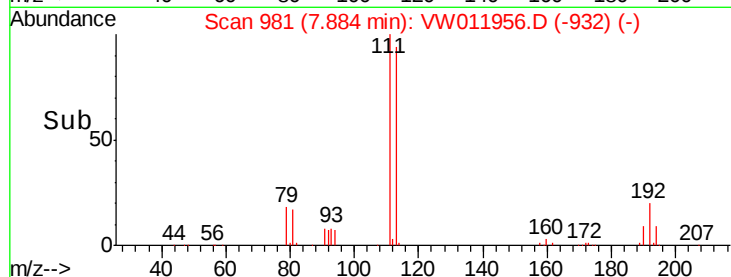
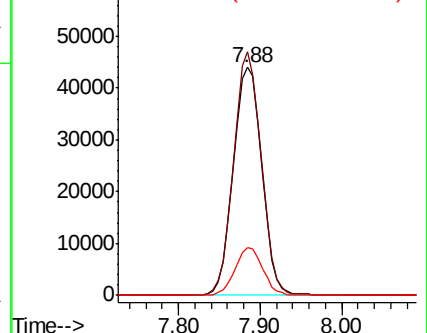
192 20.3 16.1 24.1



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: 4.925 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW011956.D

Acq: 16 Aug 2019 11:26

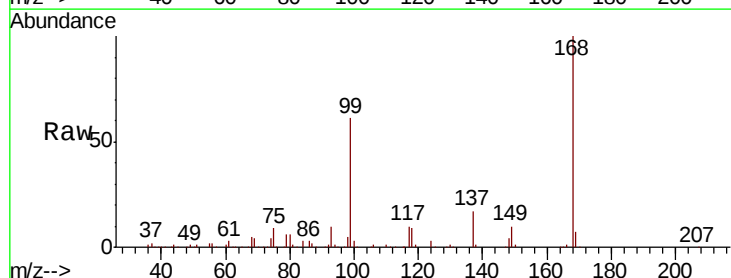
Tgt Ion: 75 Resp: 17666

Ion Ratio Lower Upper

75 100

110 9.1 15.6 46.8#

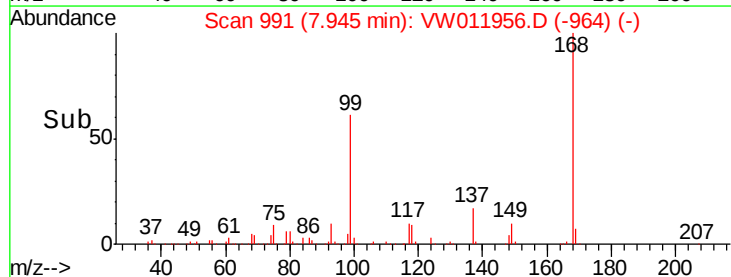
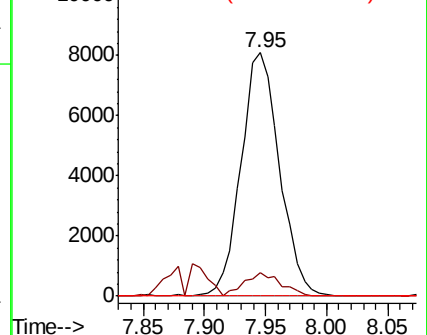
77 0.0 24.3 36.5#

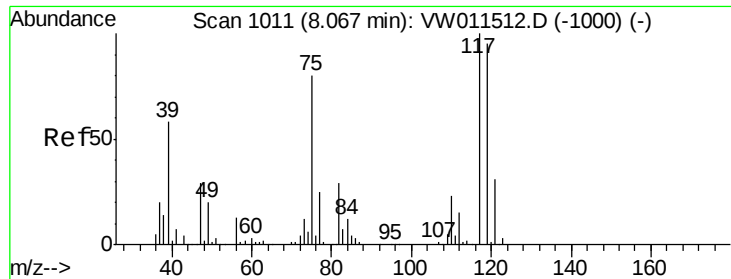


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

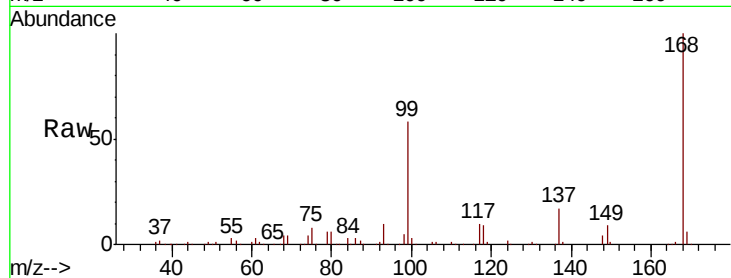




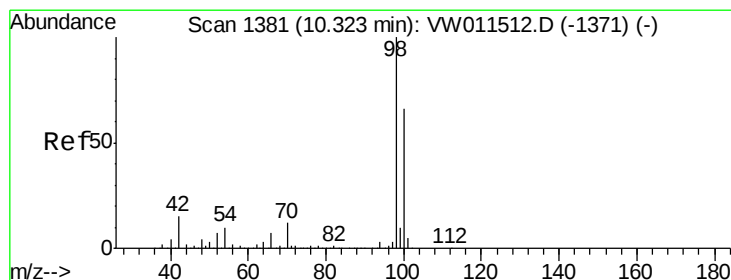
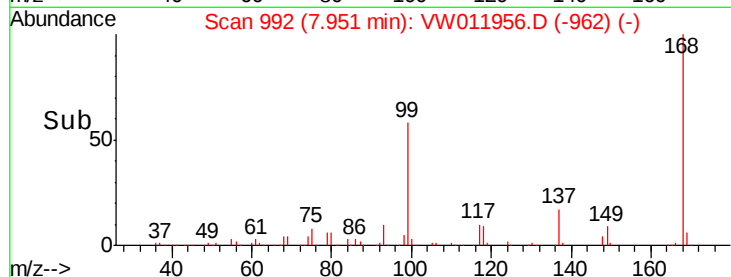
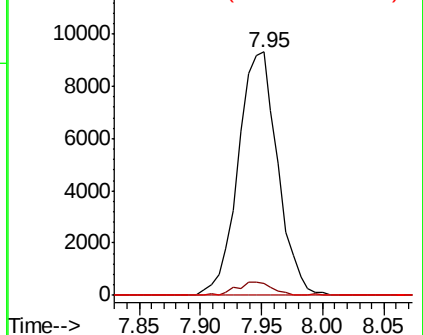
#38
Carbon Tetrachloride
Concen: 6.790 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW011956.D
Acq: 16 Aug 2019 11:26

Instrument :
MSVOA_W
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Tgt Ion:117 Resp: 20850
Ion Ratio Lower Upper
117 100
119 5.0 75.8 113.6#
121 0.0 24.7 37.1#

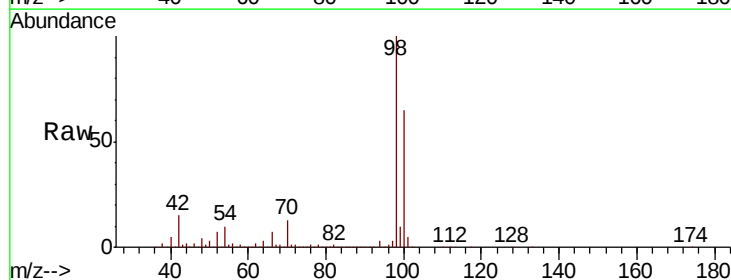


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

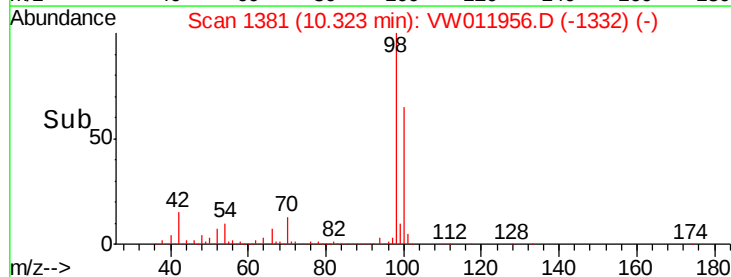
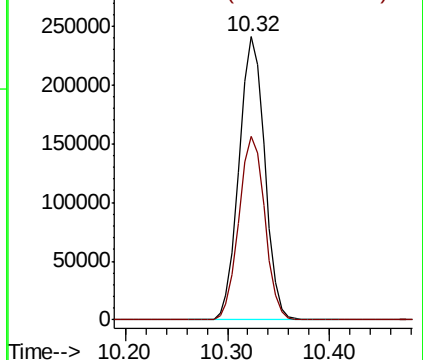


#50
Toluene-d8
Concen: 52.921 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011956.D
Acq: 16 Aug 2019 11:26

Tgt Ion: 98 Resp: 419344
Ion Ratio Lower Upper
98 100
100 65.5 52.7 79.1



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





#62

4-Bromofluorobenzene

Concen: 46.810 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011956.D

Acq: 16 Aug 2019 11:26

Instrument :

MSVOA_W

ClientSampleId :

JC-03-081519-B

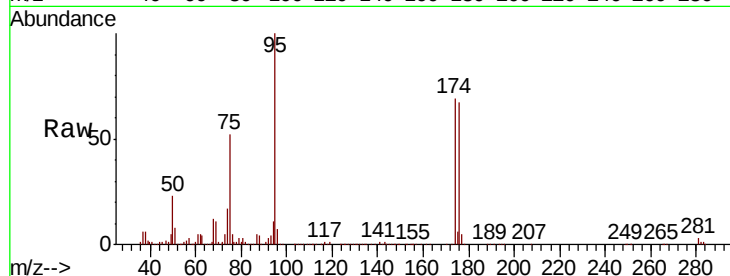
Tgt Ion: 95 Resp: 132240

Ion Ratio Lower Upper

95 100

174 74.8 0.0 150.2

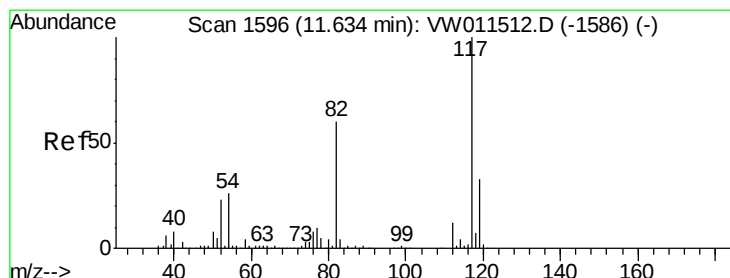
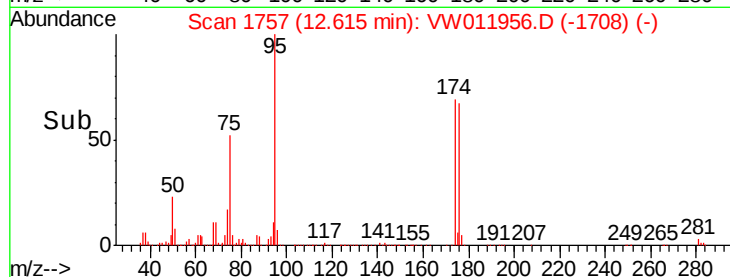
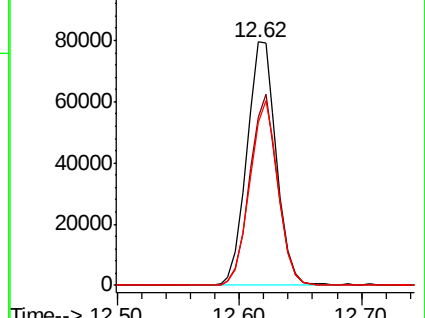
176 73.1 0.0 144.4



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: VW011956.D

Acq: 16 Aug 2019 11:26

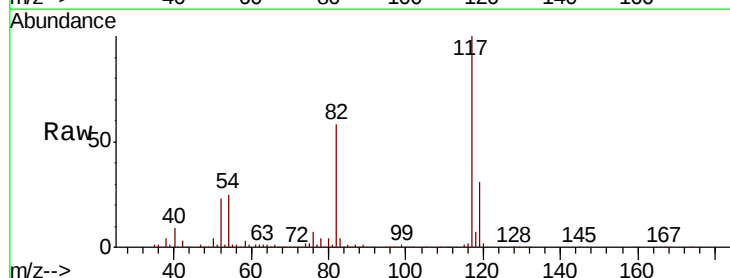
Tgt Ion: 117 Resp: 284111

Ion Ratio Lower Upper

117 100

82 58.4 47.9 71.9

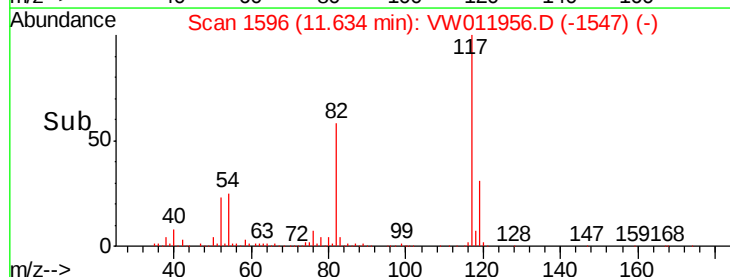
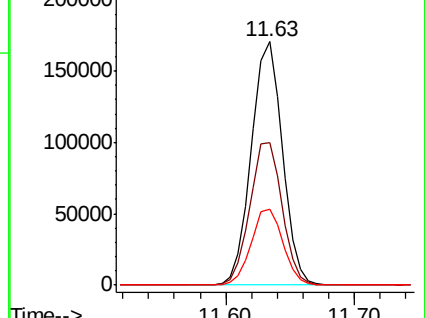
119 31.3 26.2 39.2

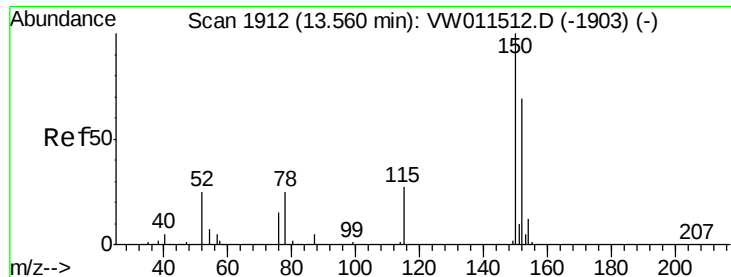


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW011956.D

Acq: 16 Aug 2019 11:26

Instrument :

MSVOA_W

ClientSampleId :

JC-03-081519-B

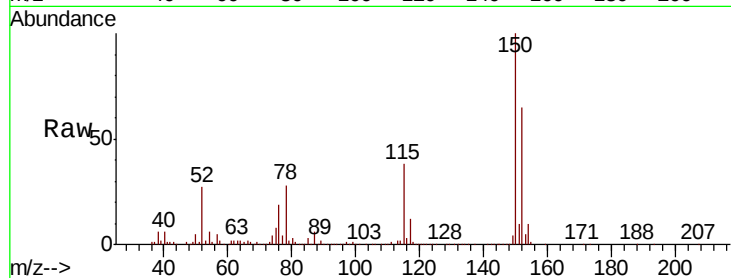
Tgt Ion: 152 Resp: 105614

Ion Ratio Lower Upper

152 100

115 59.8 30.5 91.5

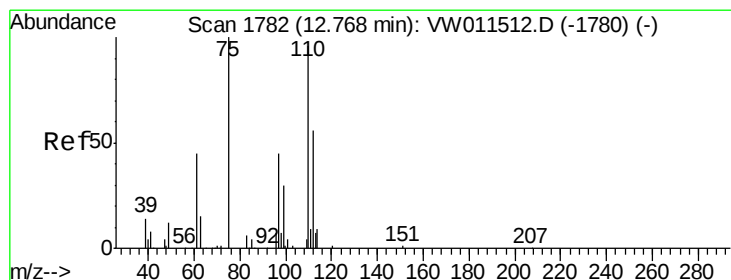
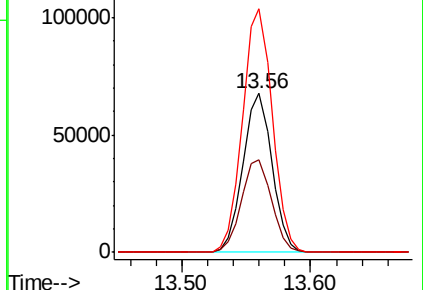
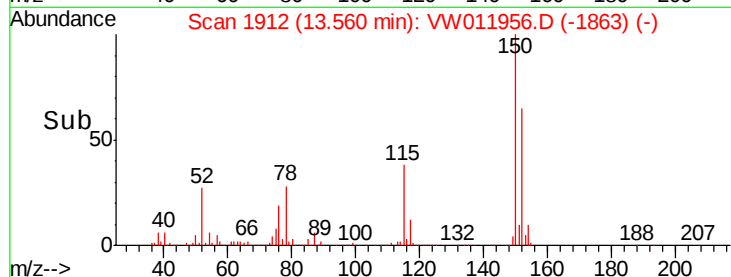
150 156.6 0.0 352.6



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: 62.115 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011956.D

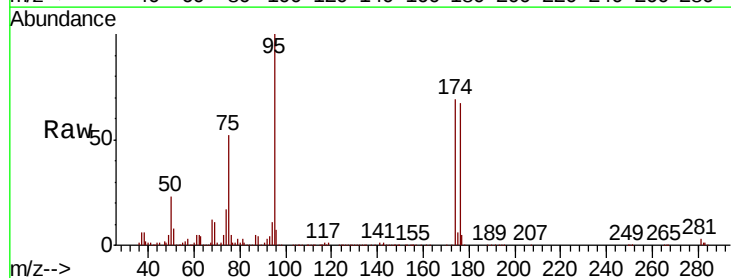
Acq: 16 Aug 2019 11:26

Tgt Ion: 75 Resp: 69415

Ion Ratio Lower Upper

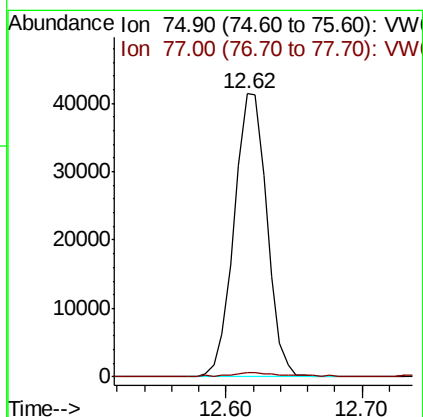
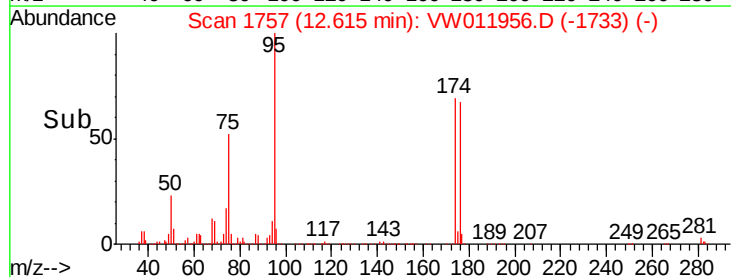
75 100

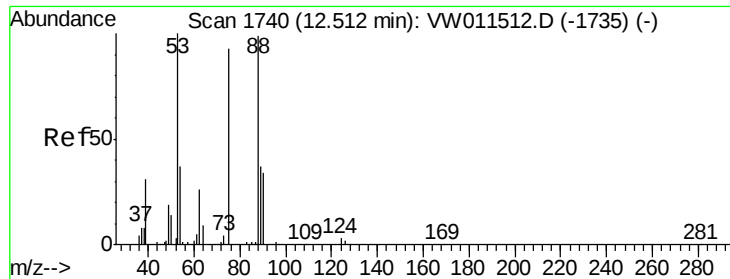
77 1.6 0.0 0.0#



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: 143.154 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011956.D

Acq: 16 Aug 2019 11:26

Instrument :

MSVOA_W

ClientSampleId :

JC-03-081519-B

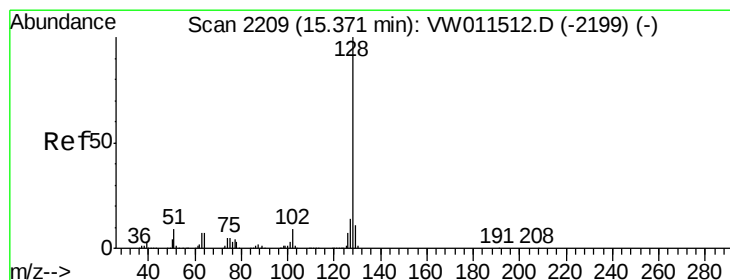
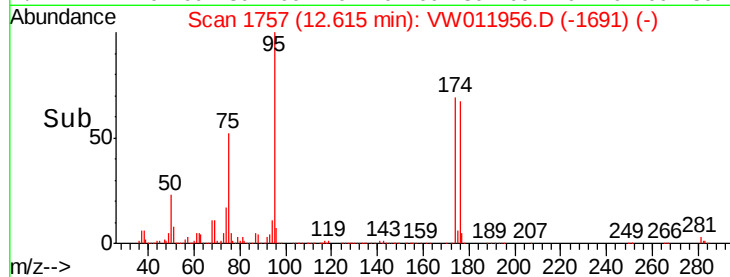
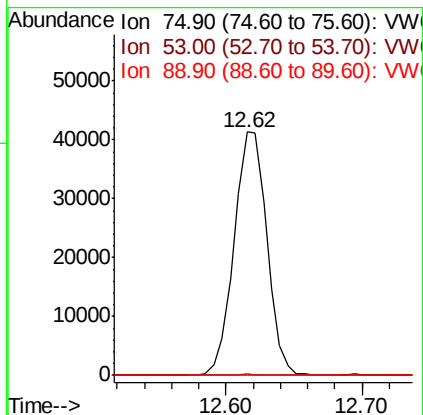
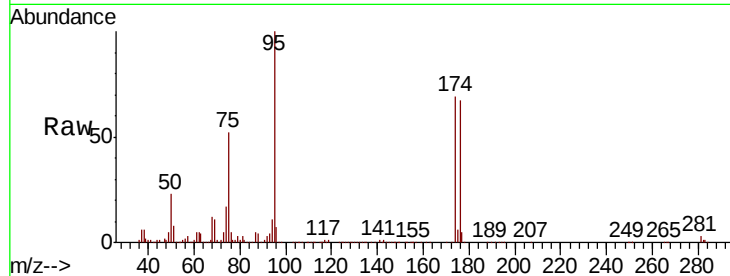
Tgt Ion: 75 Resp: 69415

Ion Ratio Lower Upper

75 100

53 0.3 88.0 132.0#

89 0.3 35.3 52.9#



#95

Naphthalene

Concen: 2.260 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011956.D

Acq: 16 Aug 2019 11:26

Tgt Ion: 128 Resp: 845

Ion Ratio Lower Upper

128 100

127 9.8 10.6 16.0#

129 18.6 8.6 13.0#

