

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081219\
 Data File : VW011856.D
 Acq On : 12 Aug 2019 16:58
 Operator : SY/VA
 Sample : K4229-13
 Misc : 5.21G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 13 07:47:01 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	192687	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	327651	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	272628	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	103835	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	133568	60.37	ug/l	0.00
Spiked Amount			Recovery	=	120.74%	
35) Dibromofluoromethane	7.88	113	102827	55.94	ug/l	0.00
Spiked Amount			Recovery	=	111.88%	
50) Toluene-d8	10.32	98	402632	53.50	ug/l	0.00
Spiked Amount			Recovery	=	107.00%	
62) 4-Bromofluorobenzene	12.62	95	125517	46.78	ug/l	0.00
Spiked Amount			Recovery	=	93.56%	

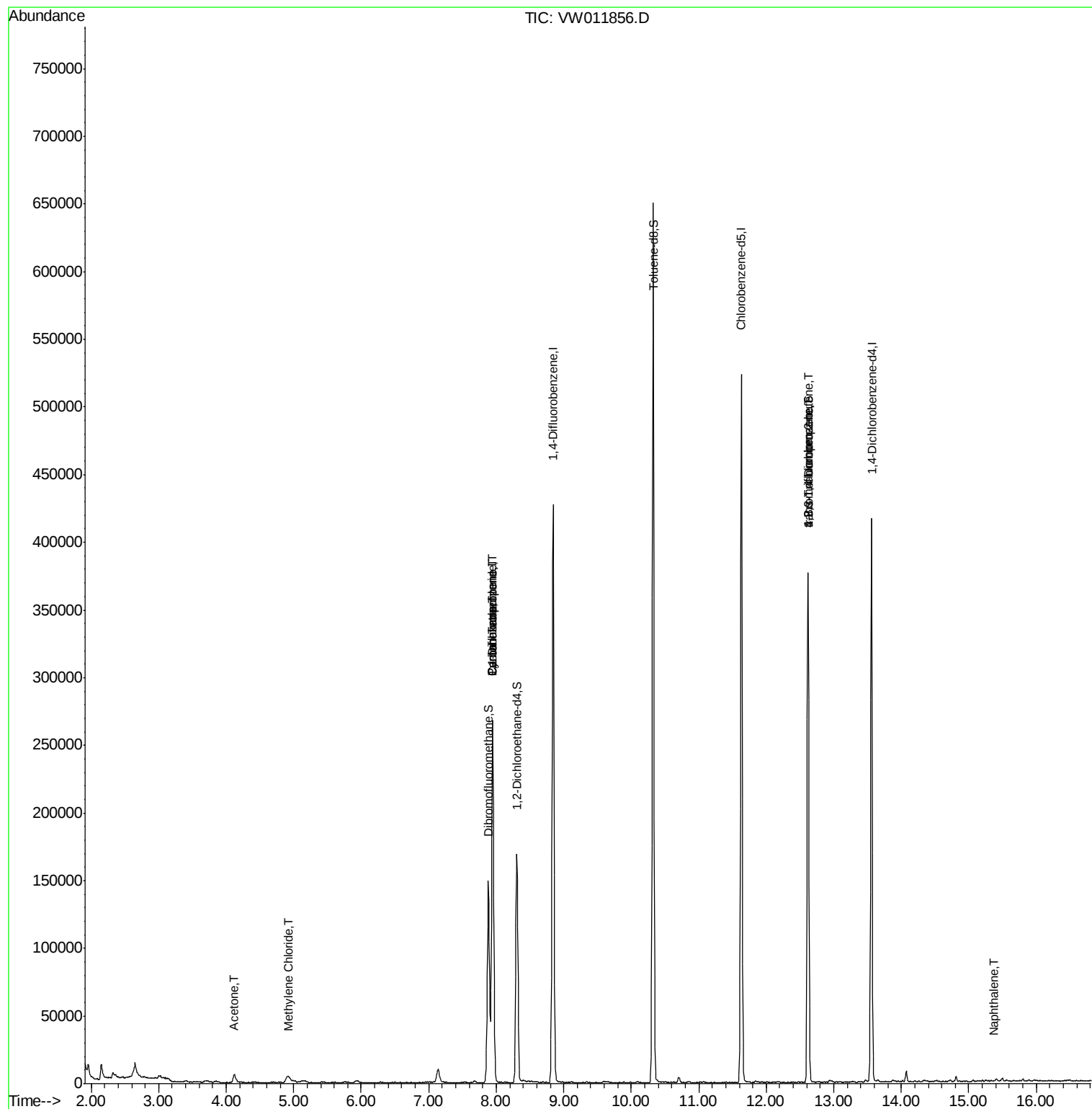
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	2856	Below Cal	#	81
16) Acetone	4.12	43	11080	15.743	ug/l	95
20) Methylene Chloride	4.92	84	3765	1.551	ug/l #	87
31) Cyclohexane	7.95	56	4901	1.185	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17344	5.091	ug/l #	51
38) Carbon Tetrachloride	7.95	117	19715	6.760	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	68458	62.309	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	68458	143.600	ug/l #	6
95) Naphthalene	15.37	128	350	2.148	ug/l #	69

(#) = 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: VW011856.D

Acq: 12 Aug 2019 16:58

Instrument :

MSVOA_W

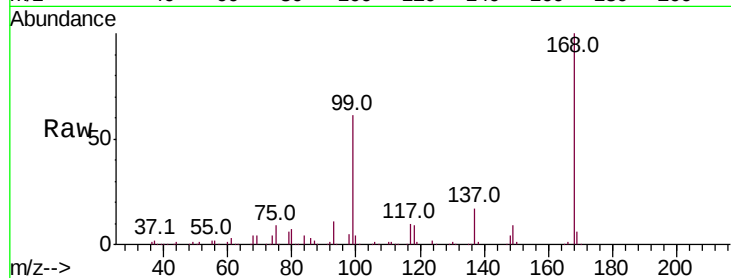
ClientSampleId :

Tot Ion:168 Resp: 192687

Ion Ratio Lower Upper

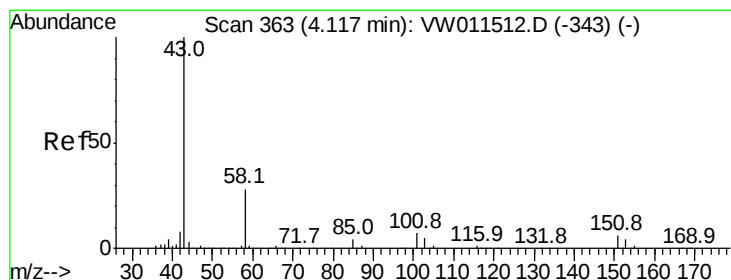
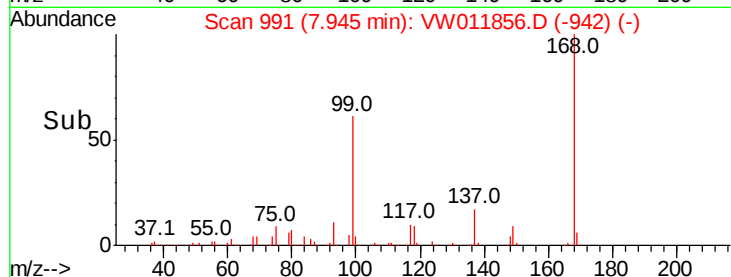
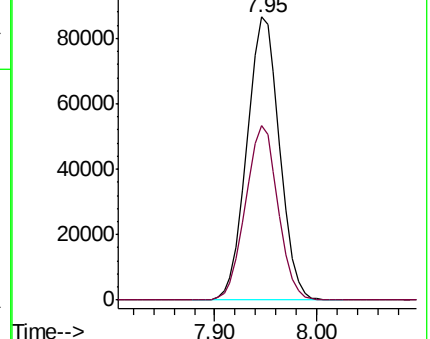
168 100

99 61.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 15.743 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011856.D

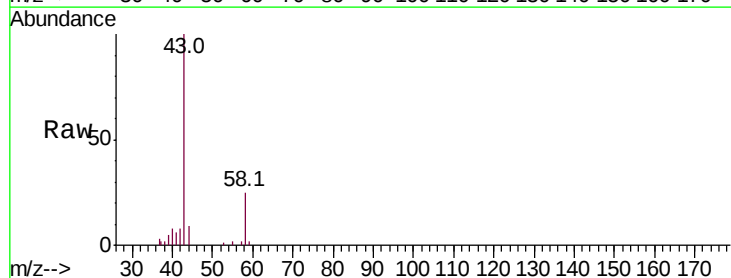
Acq: 12 Aug 2019 16:58

Tgt Ion: 43 Resp: 11080

Ion Ratio Lower Upper

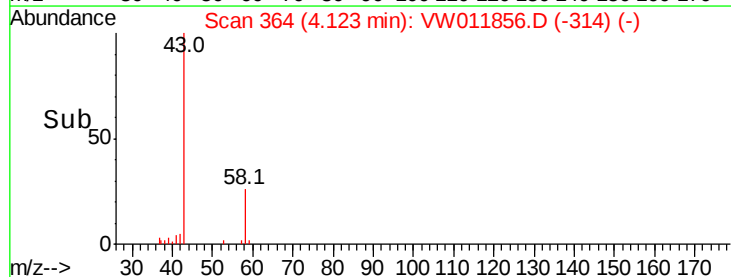
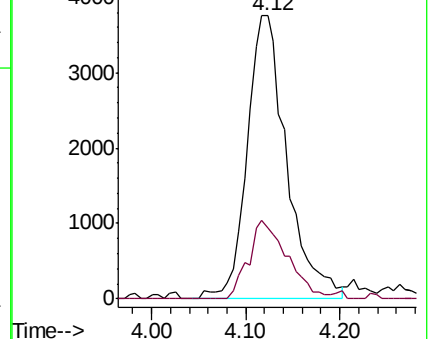
43 100

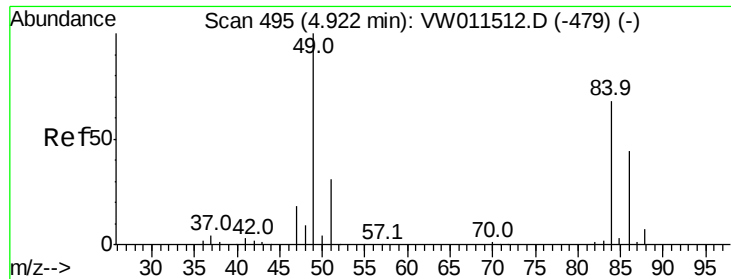
58 25.0 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

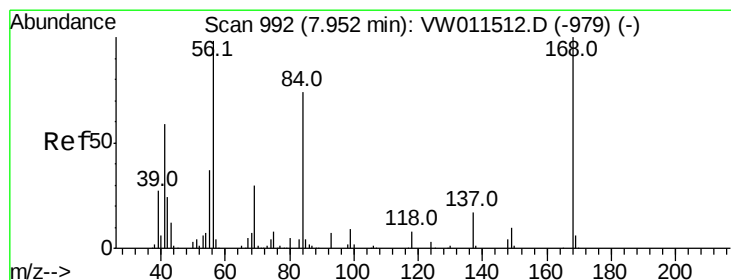
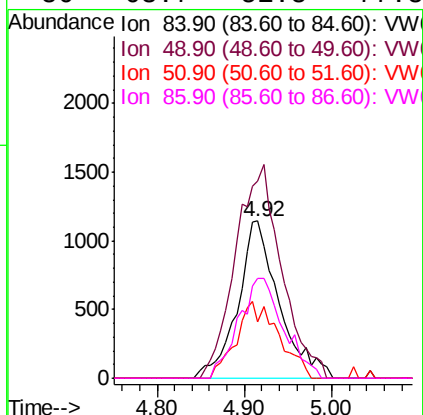
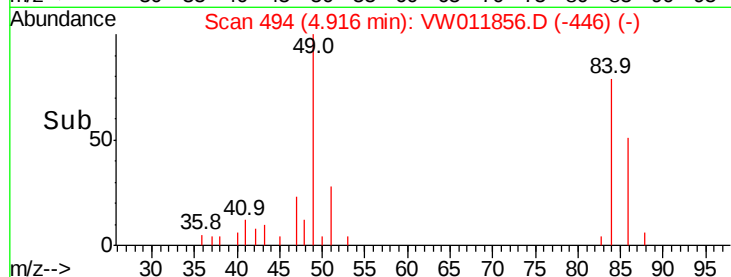
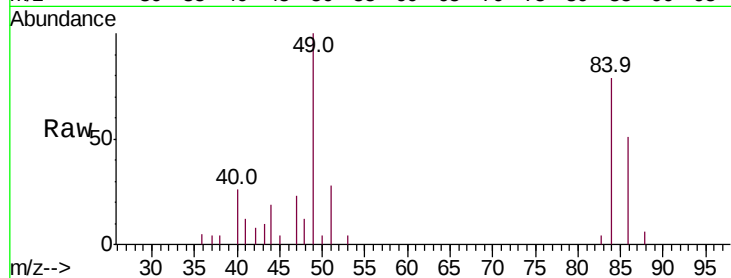




#20
Methvlene Chloride
Concen: 1.551 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011856.D
Acq: 12 Aug 2019 16:58

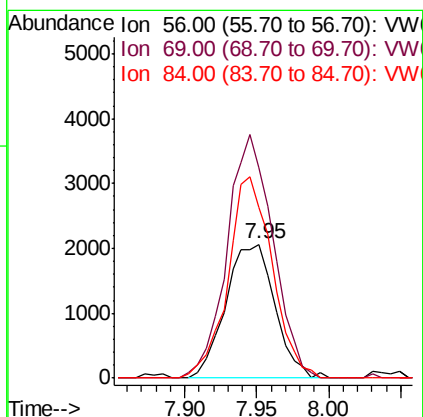
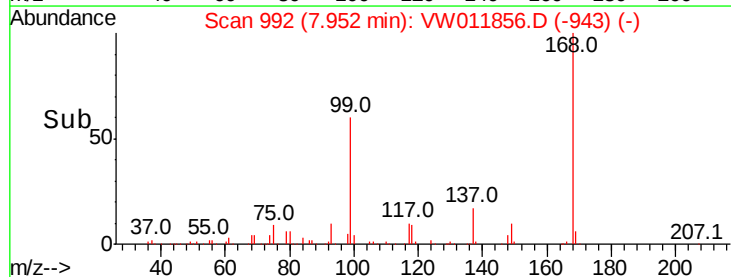
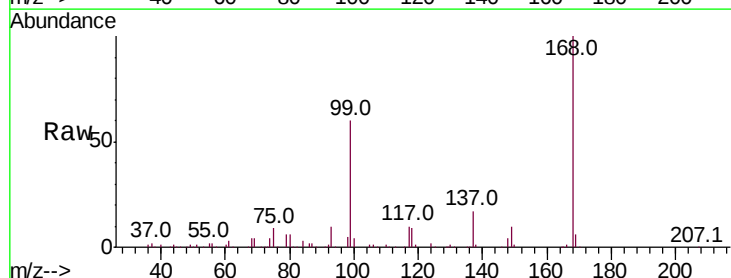
Instrument :
MSVOA_W
ClientSampleId :

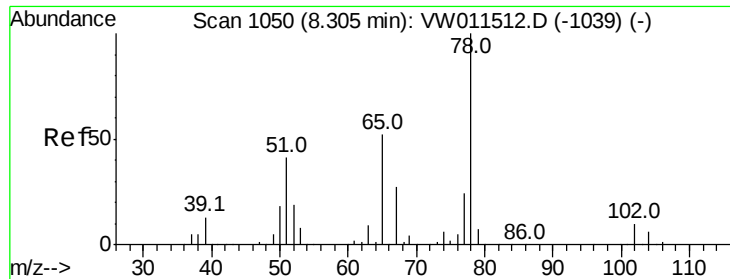
Tot Ion: 84 Resp: 3765
Ion Ratio Lower Upper
84 100
49 126.0 117.8 176.6
51 35.7 37.0 55.4#
86 63.7 51.8 77.8



#31
Cyclohexane
Concen: 1.185 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW011856.D
Acq: 12 Aug 2019 16:58

Tgt Ion: 56 Resp: 4901
Ion Ratio Lower Upper
56 100
69 157.7 24.3 36.5#
84 127.3 60.4 90.6#

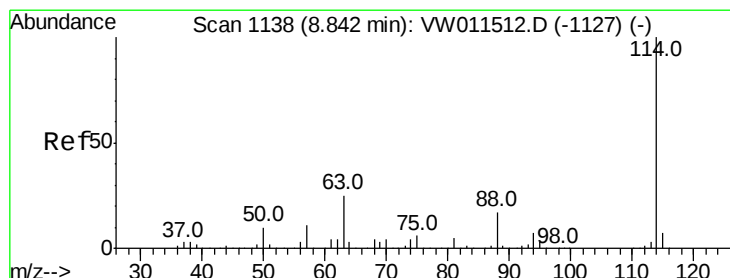
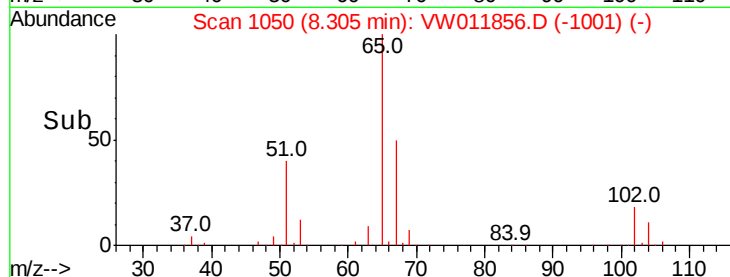
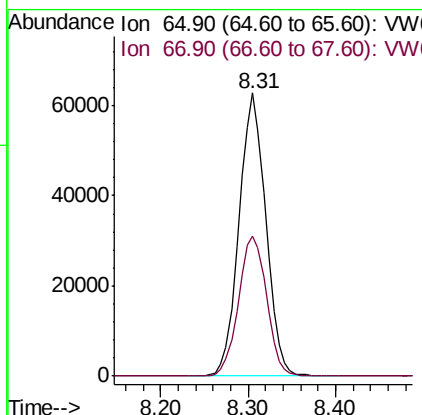
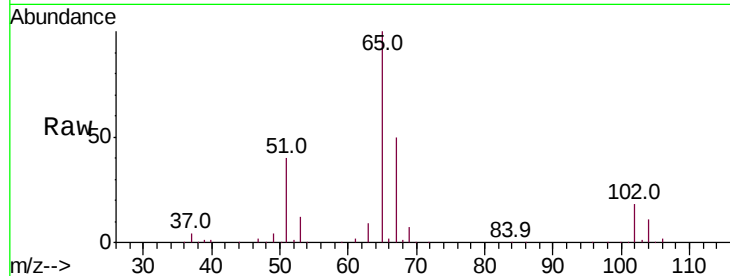




#33
 1,2-Dichloroethane-d4
 Concen: 60.367 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011856.D
 Acq: 12 Aug 2019 16:58

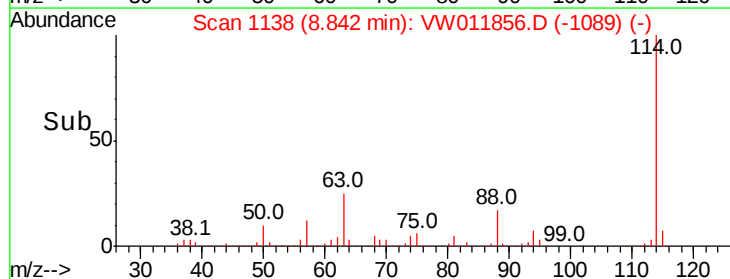
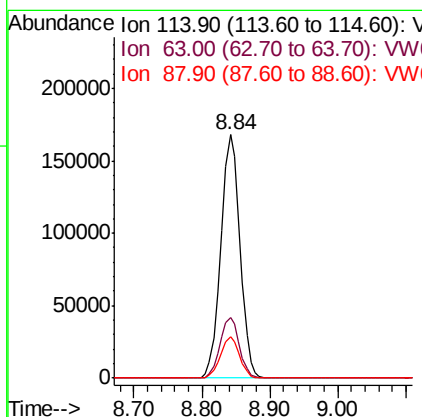
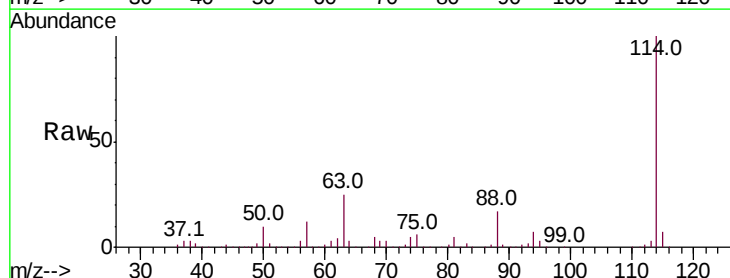
Instrument :
 MSVOA_W
 ClientSampleId :

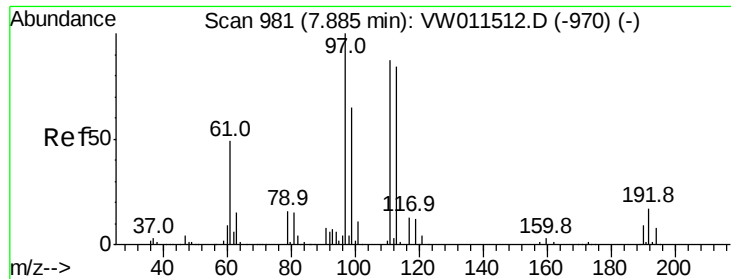
Tot Ion: 65 Resp: 133568
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011856.D
 Acq: 12 Aug 2019 16:58

Tgt Ion: 114 Resp: 327651
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 49.2
 88 16.8 0.0 33.8





#35

Dibromofluoromethane

Concen: 55.940 ug/l

RT: 7.88 min Scan# 981

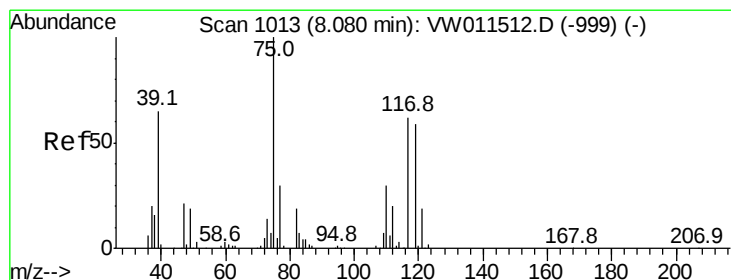
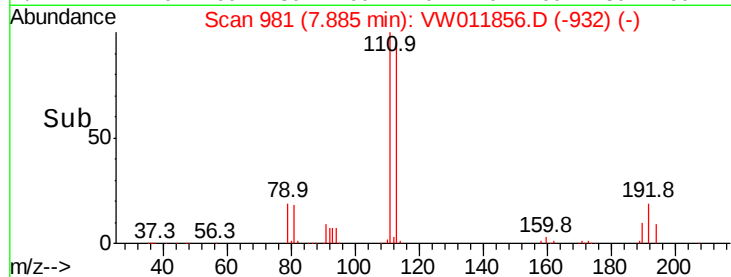
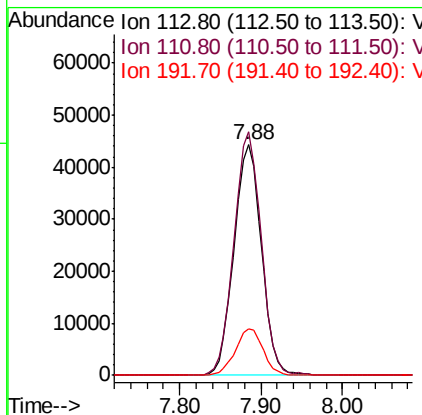
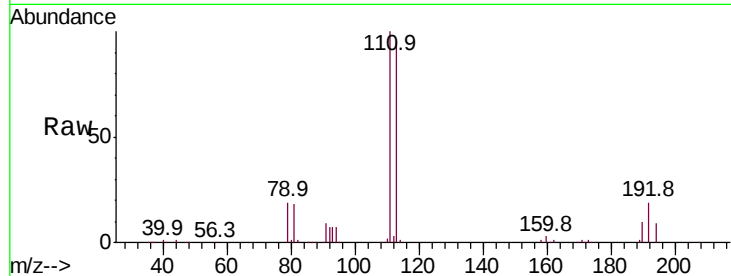
Delta R.T. 0.00 min

Lab File: VW011856.D

Acq: 12 Aug 2019 16:58

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:113 Resp: 102827
Ion Ratio Lower Upper
113 100
111 104.9 82.7 124.1
192 20.3 16.1 24.1



#36

1,1-Dichloropropene

Concen: 5.091 ug/l

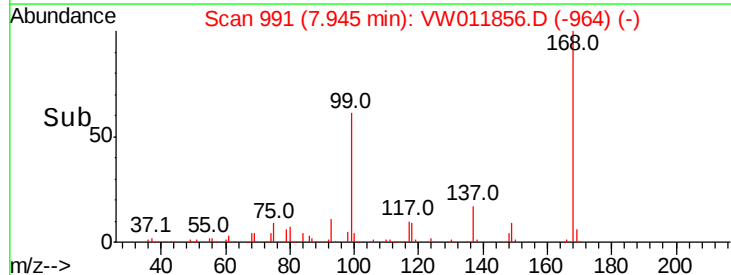
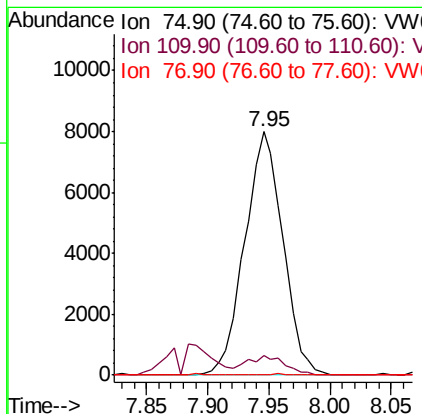
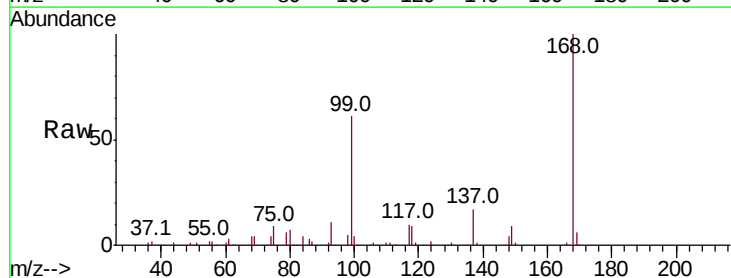
RT: 7.95 min Scan# 991

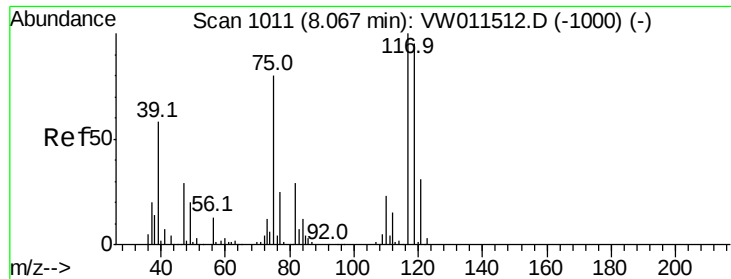
Delta R.T. -0.13 min

Lab File: VW011856.D

Acq: 12 Aug 2019 16:58

Tgt Ion: 75 Resp: 17344
Ion Ratio Lower Upper
75 100
110 8.0 15.6 46.8#
77 0.1 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 6.760 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW011856.D

Acq: 12 Aug 2019 16:58

Instrument :

MSVOA_W

ClientSampled :

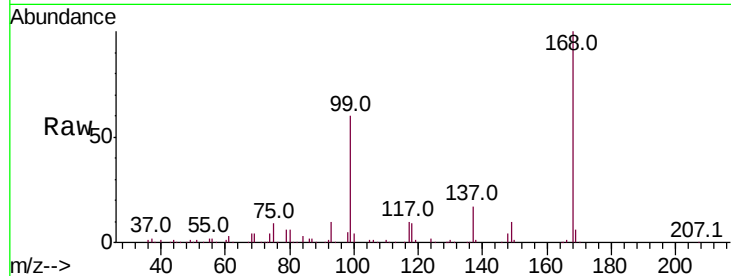
Tot Ion:117 Resp: 19715

Ion Ratio Lower Upper

117 100

119 4.9 75.8 113.6#

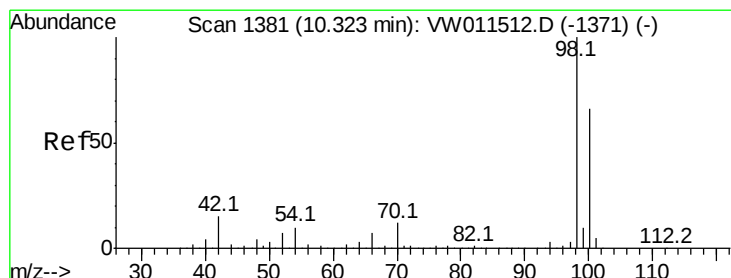
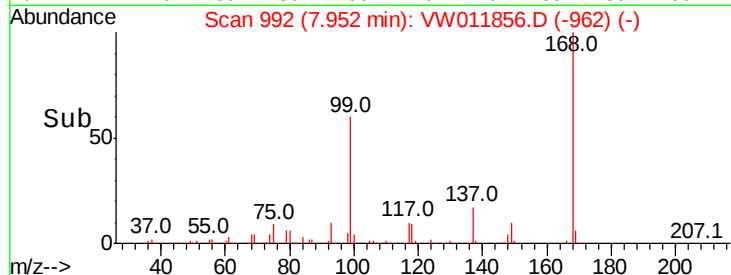
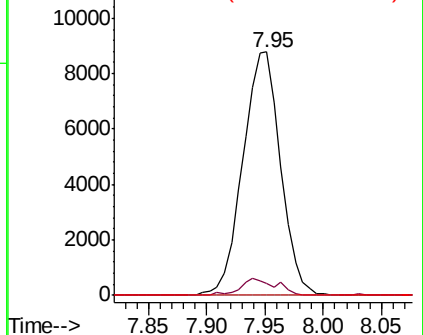
121 0.0 24.7 37.1#



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: 53.498 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011856.D

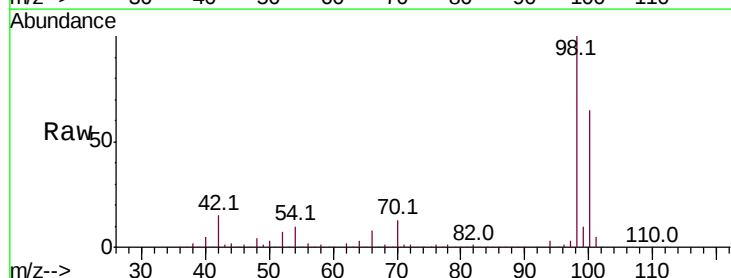
Acq: 12 Aug 2019 16:58

Tgt Ion: 98 Resp: 402632

Ion Ratio Lower Upper

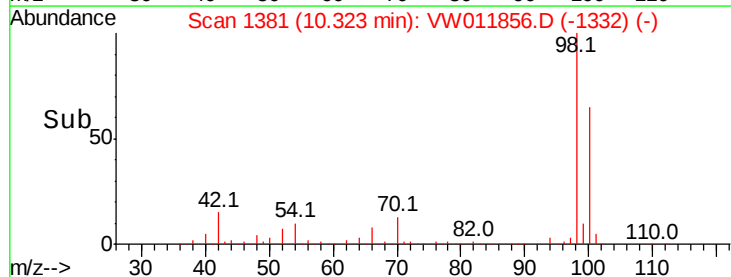
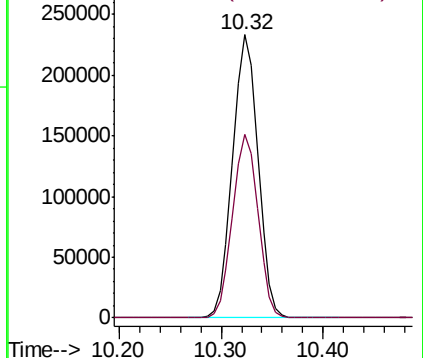
98 100

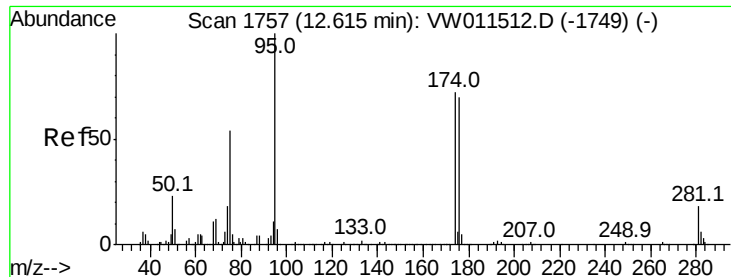
100 65.2 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

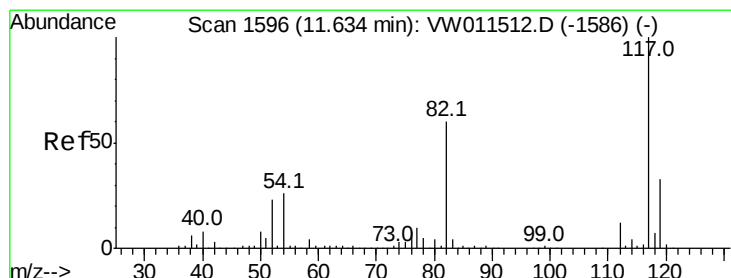
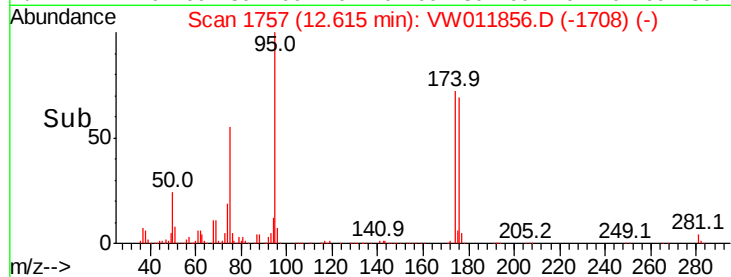
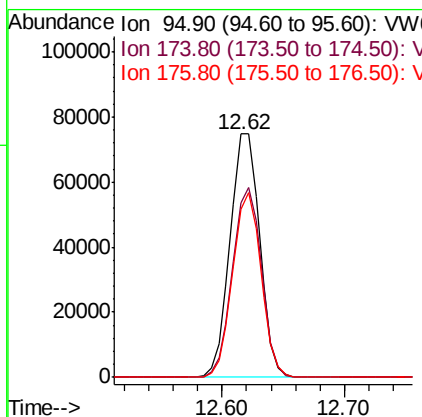
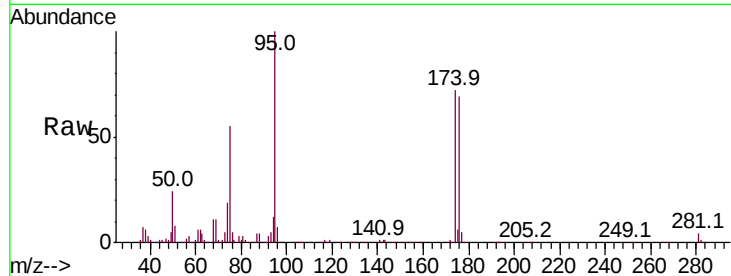




#62
4-Bromofluorobenzene
Concen: 46.779 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW011856.D
Acq: 12 Aug 2019 16:58

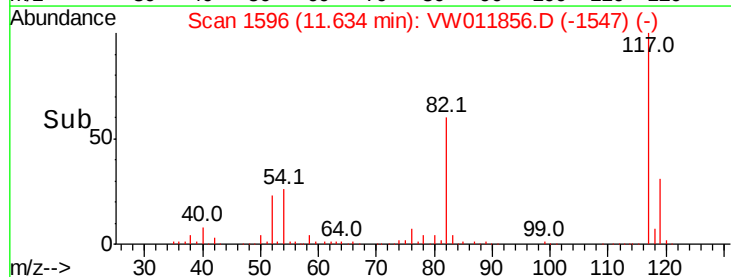
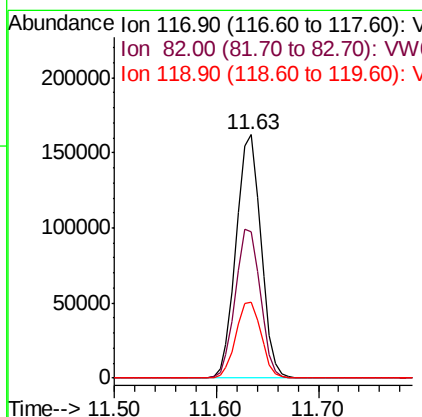
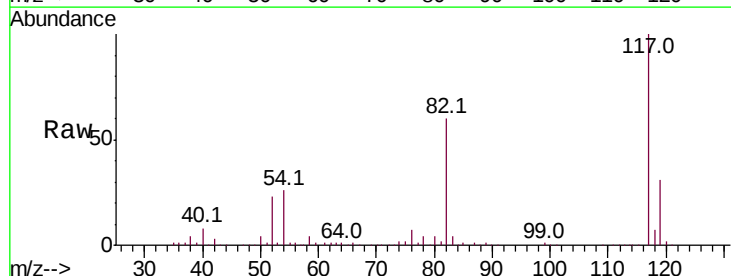
Instrument :
MSVOA_W
ClientSampleId :

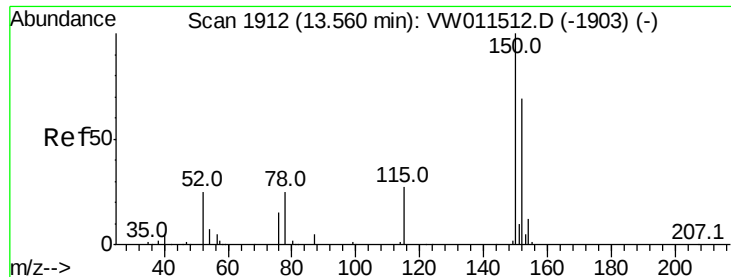
Tot Ion: 95 Resp: 125517
Ion Ratio Lower Upper
95 100
174 76.5 0.0 150.2
176 72.8 0.0 144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW011856.D
Acq: 12 Aug 2019 16:58

Tgt Ion: 117 Resp: 272628
Ion Ratio Lower Upper
117 100
82 60.0 47.9 71.9
119 31.4 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011856.D

Acq: 12 Aug 2019 16:58

Instrument :

MSVOA_W

ClientSampleId :

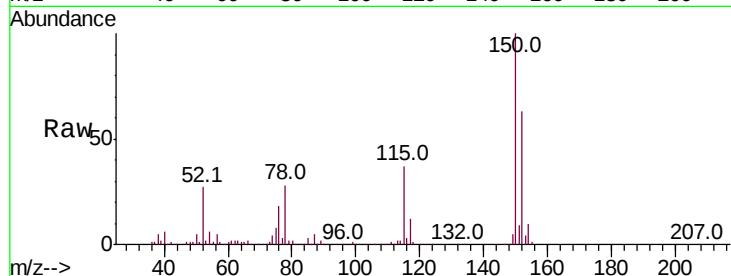
Tot Ion:152 Resp: 103835

Ion Ratio Lower Upper

152 100

115 59.8 30.5 91.5

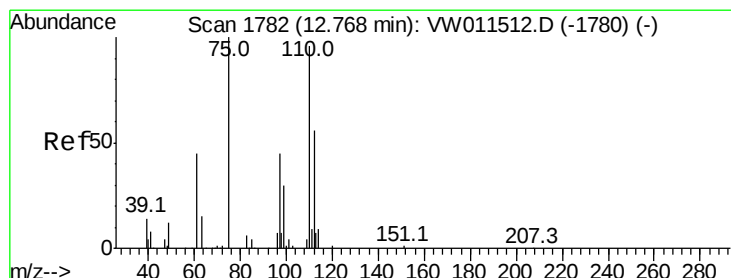
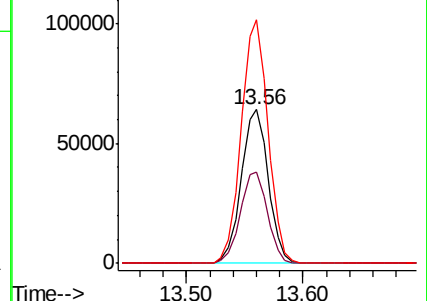
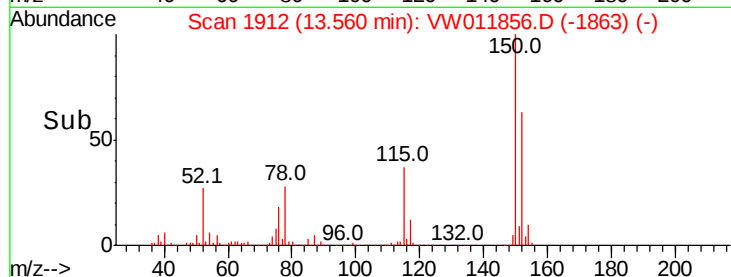
150 156.8 0.0 352.6



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: 62.309 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011856.D

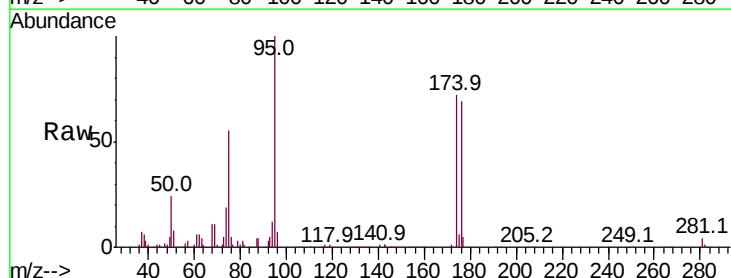
Acq: 12 Aug 2019 16:58

Tgt Ion: 75 Resp: 68458

Ion Ratio Lower Upper

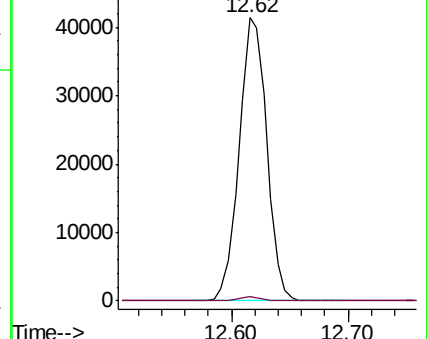
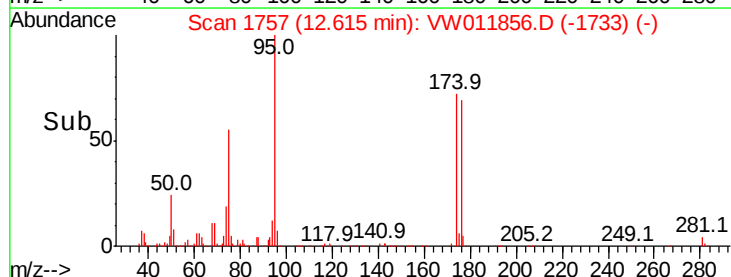
75 100

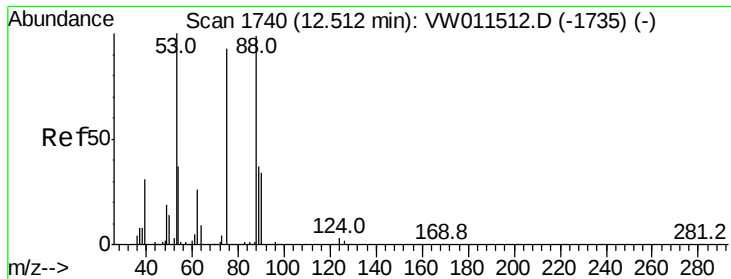
77 1.4 0.0 0.0#



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: 143.600 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011856.D

Acq: 12 Aug 2019 16:58

Instrument :

MSVOA_W

ClientSampleId :

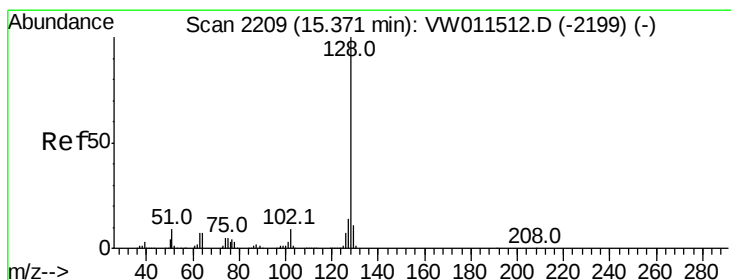
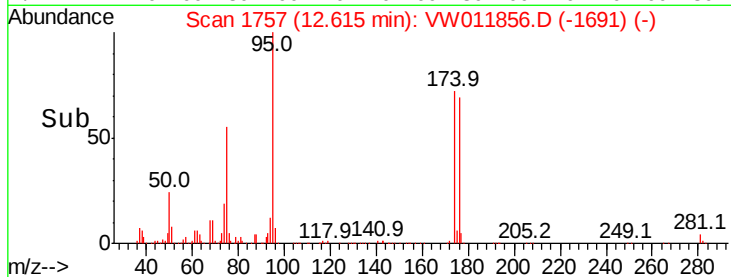
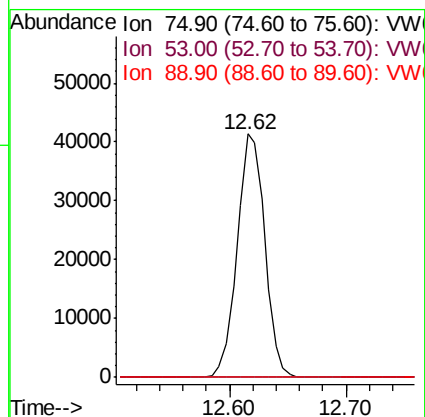
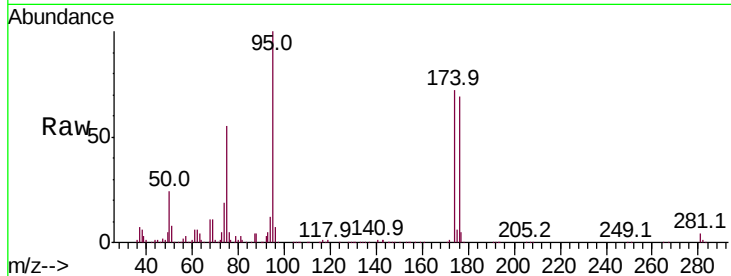
Tot Ion: 75 Resp: 68458

Ion Ratio Lower Upper

75 100

53 0.0 88.0 132.0#

89 0.1 35.3 52.9#



#95

Naphthalene

Concen: 2.148 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011856.D

Acq: 12 Aug 2019 16:58

Tgt Ion: 128 Resp: 350

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 13.0#

