

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081219\
 Data File : VW011847.D
 Acq On : 12 Aug 2019 13:07
 Operator : SY/VA
 Sample : K4229-03
 Misc : 5.87G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 13 07:45:37 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	198301	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	328652	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	272694	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	104789	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	129310	56.79	ug/l	0.00
Spiked Amount			Recovery	=	113.58%	
35) Dibromofluoromethane	7.88	113	101838	55.23	ug/l	0.00
Spiked Amount			Recovery	=	110.46%	
50) Toluene-d8	10.32	98	401087	53.13	ug/l	0.00
Spiked Amount			Recovery	=	106.26%	
62) 4-Bromofluorobenzene	12.62	95	122801	45.63	ug/l	0.00
Spiked Amount			Recovery	=	91.26%	

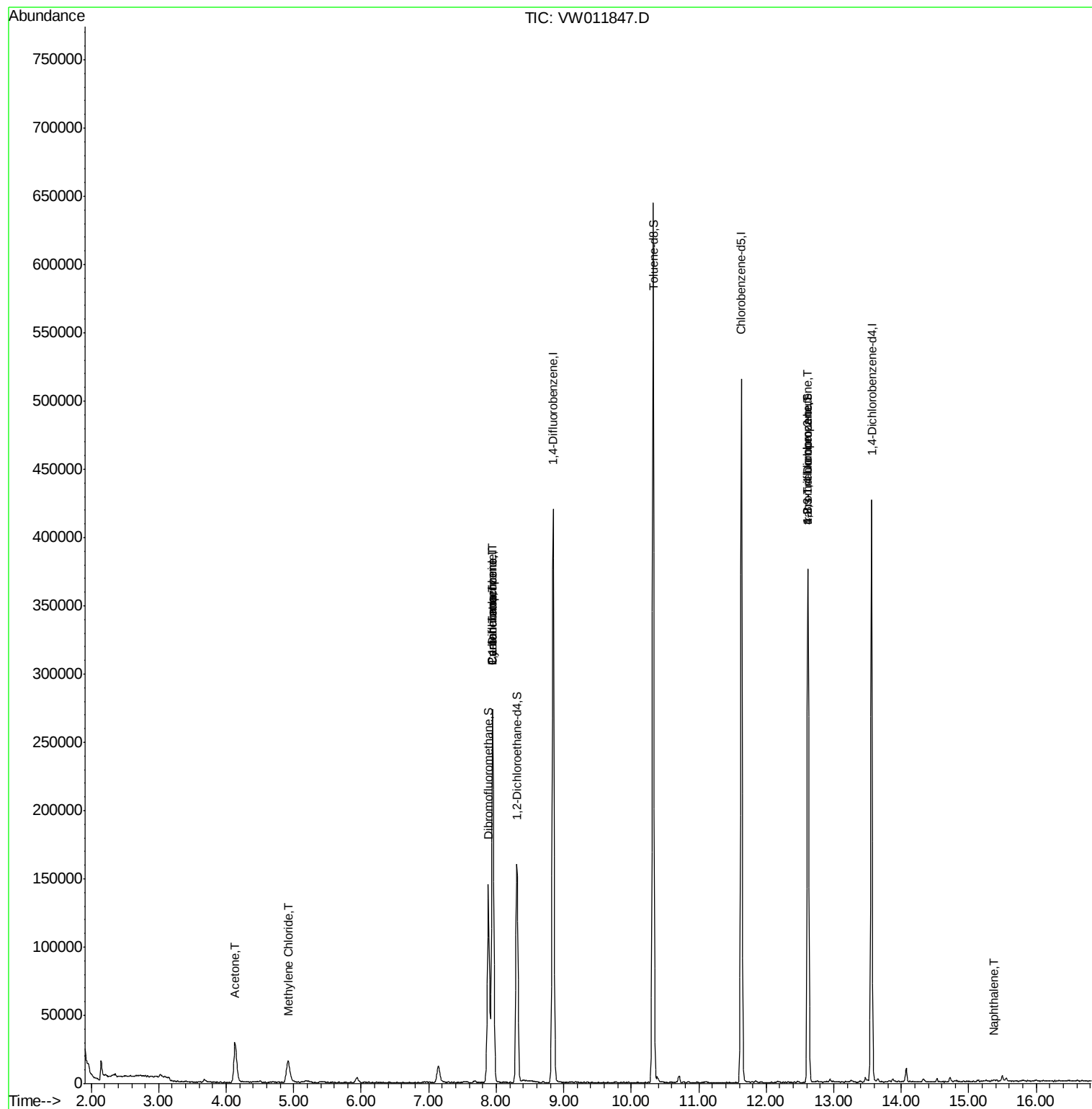
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	247	Below Cal	#	92
16) Acetone	4.13	43	58426	80.663	ug/l	97
20) Methylene Chloride	4.92	84	12566	5.030	ug/l	94
31) Cyclohexane	7.95	56	5056	1.188	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17316	5.067	ug/l #	52
38) Carbon Tetrachloride	7.95	117	19998	6.836	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	67002	60.428	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	67002	139.266	ug/l #	6
95) Naphthalene	15.37	128	890	2.272	ug/l #	76

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

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Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 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: VW011847.D

Acq: 12 Aug 2019 13:07

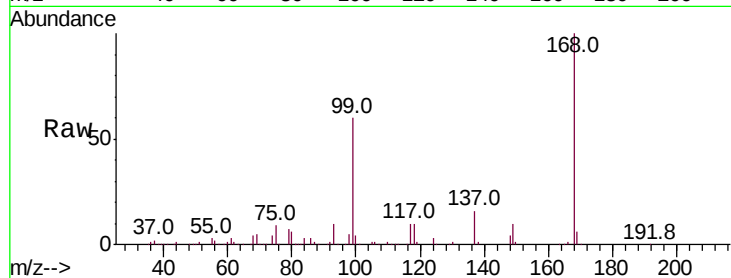
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 198301

Ion Ratio Lower Upper

168 100

99 60.0 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

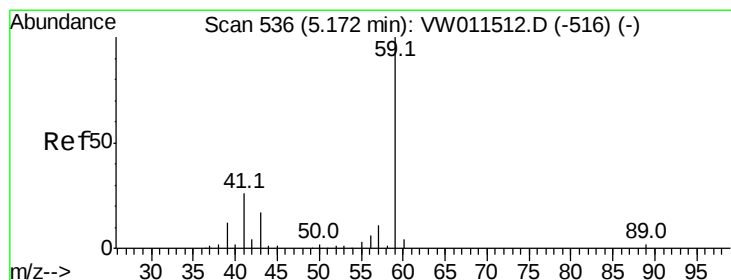
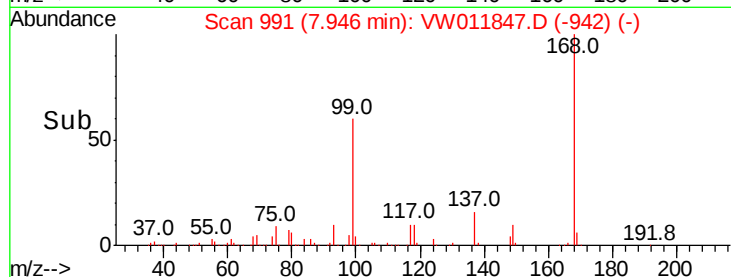
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.12 min Scan# 528

Delta R.T. -0.05 min

Lab File: VW011847.D

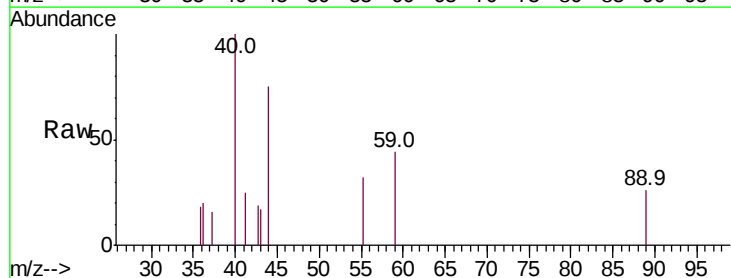
Acq: 12 Aug 2019 13:07

Tgt Ion: 59 Resp: 247

Ion Ratio Lower Upper

59 100

57 7.7 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

200

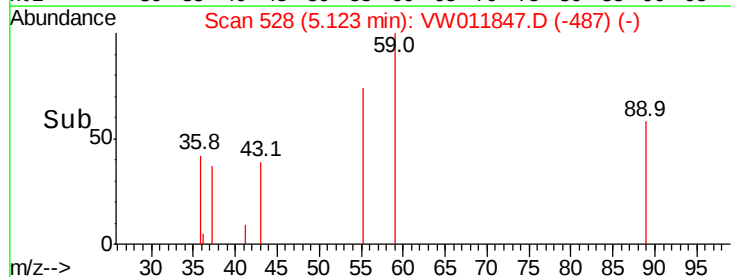
150

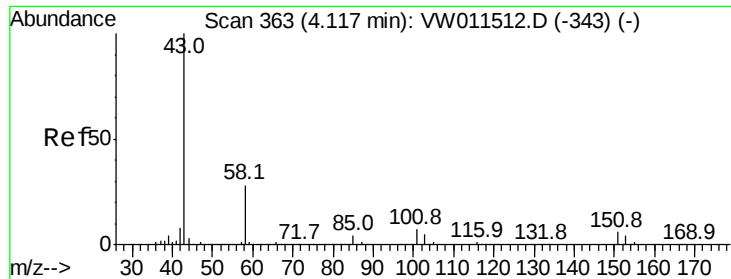
100

50

0

Time--> 5.10 5.15





#16

Acetone

Concen: 80.663 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW011847.D

Acq: 12 Aug 2019 13:07

Instrument :

MSVOA_W

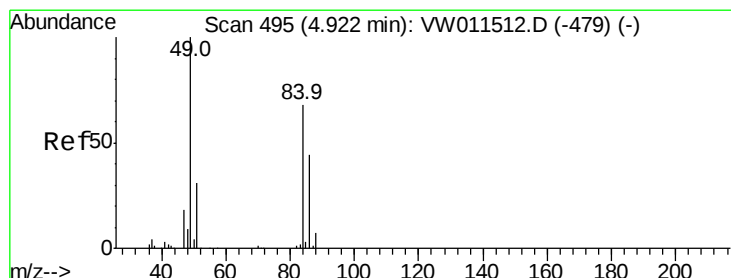
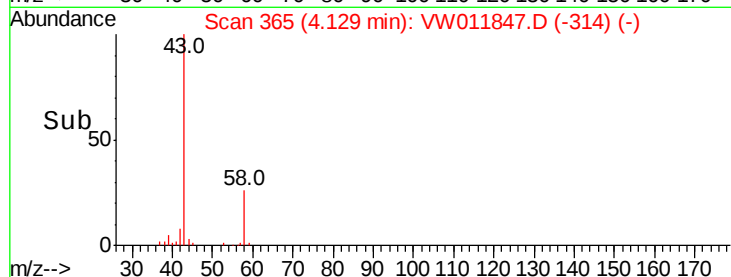
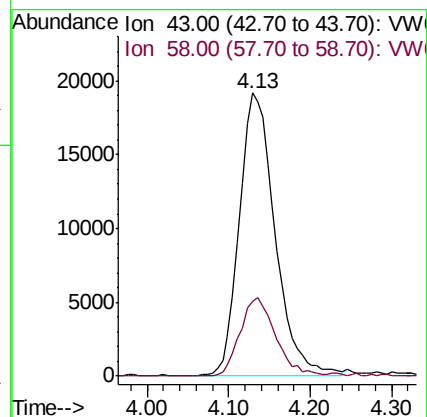
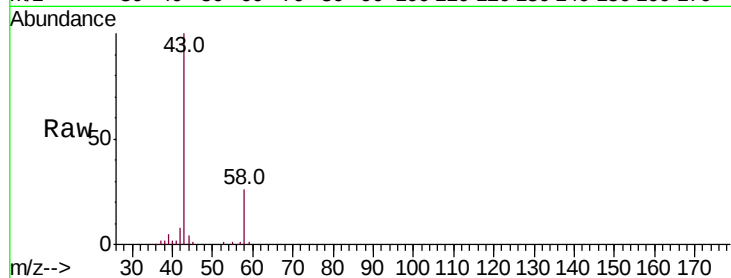
ClientSampled :

Tot Ion: 43 Resp: 58426

Ion Ratio Lower Upper

43 100

58 26.4 22.3 33.5



#20

Methylene Chloride

Concen: 5.030 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW011847.D

Acq: 12 Aug 2019 13:07

Tgt Ion: 84 Resp: 12566

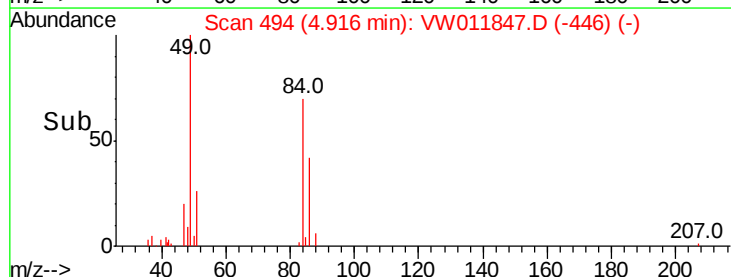
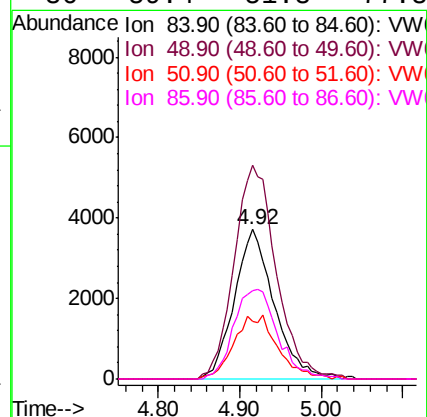
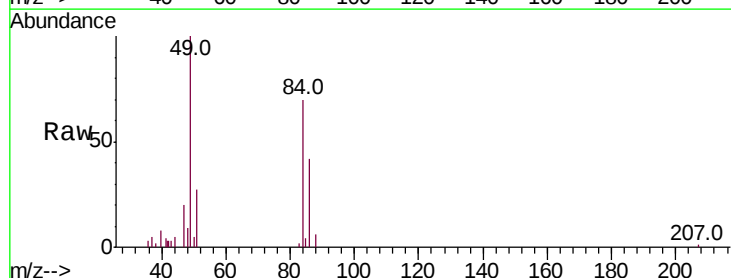
Ion Ratio Lower Upper

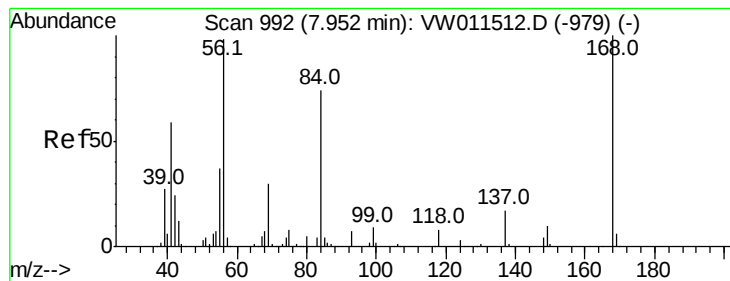
84 100

49 143.1 117.8 176.6

51 38.3 37.0 55.4

86 59.4 51.8 77.8





#31

Cyclohexane

Concen: 1.188 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

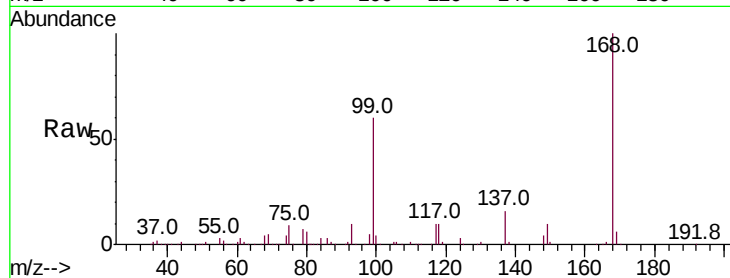
Lab File: VW011847.D

Acq: 12 Aug 2019 13:07

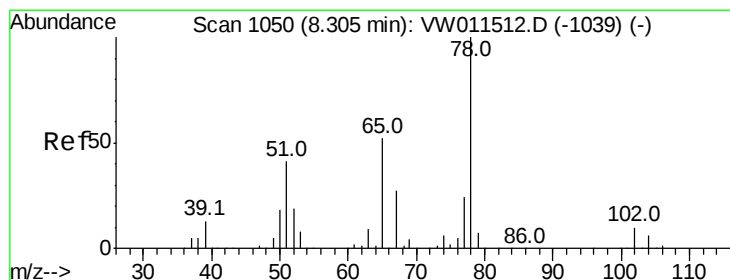
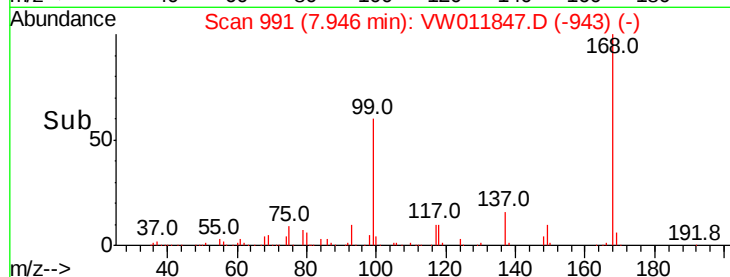
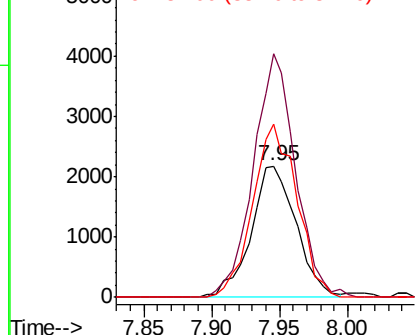
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 5056

Ion	Ratio	Lower	Upper
56	100		
69	185.8	24.3	36.5#
84	132.4	60.4	90.6#



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: 56.788 ug/l

RT: 8.31 min Scan# 1050

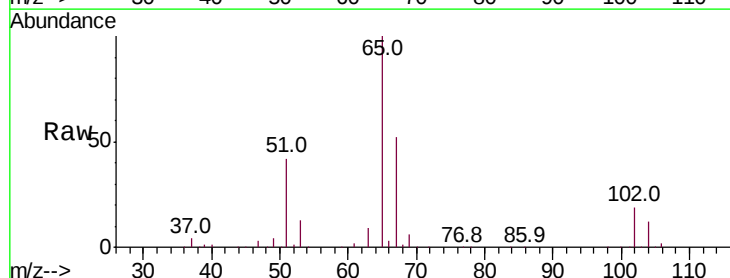
Delta R.T. 0.00 min

Lab File: VW011847.D

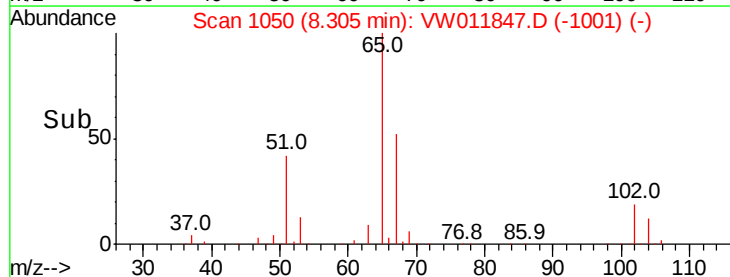
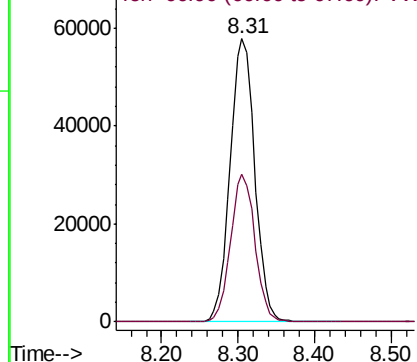
Acq: 12 Aug 2019 13:07

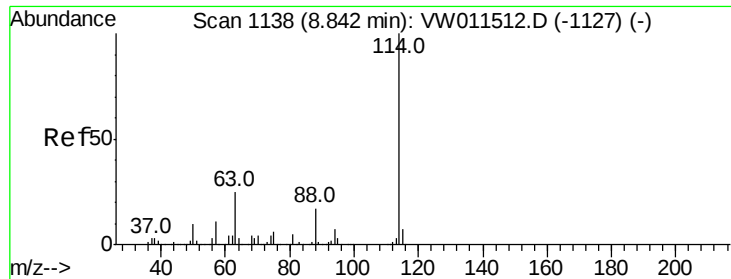
Tgt Ion: 65 Resp: 129310

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	105.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

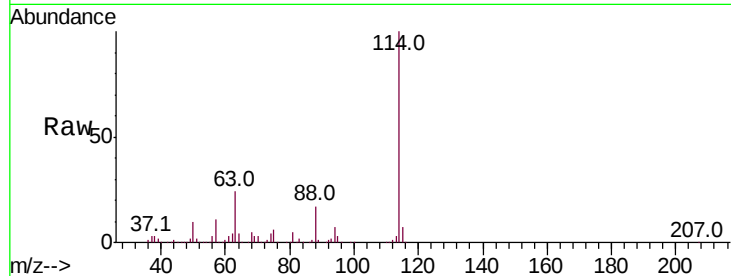




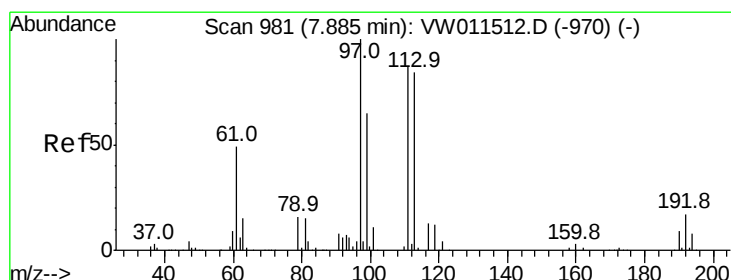
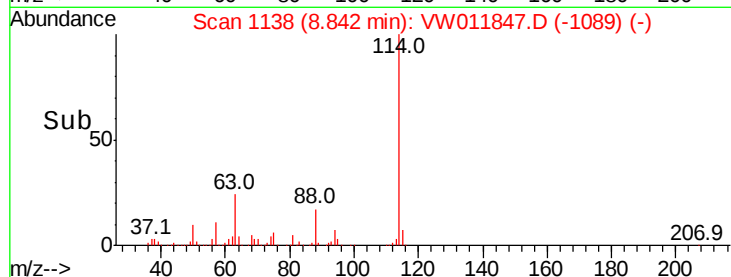
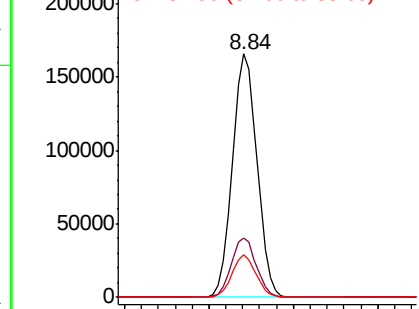
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW011847.D
Acq: 12 Aug 2019 13:07

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.3	0.0	49.2
88	17.3	0.0	33.8

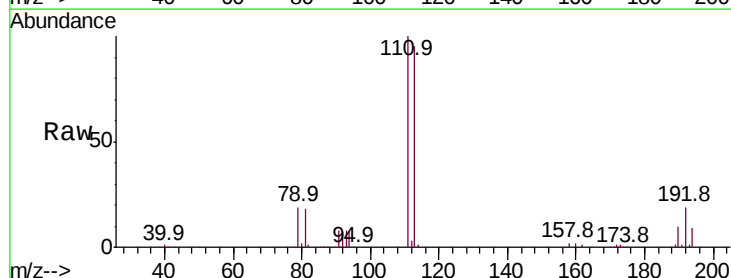


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

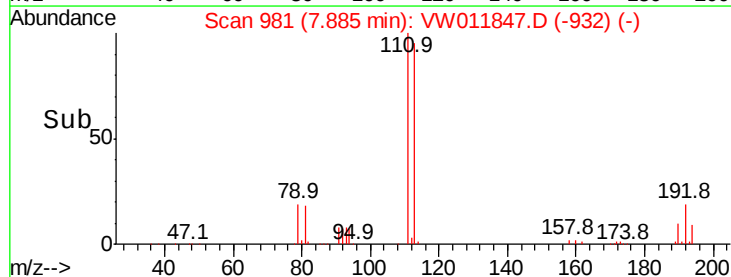
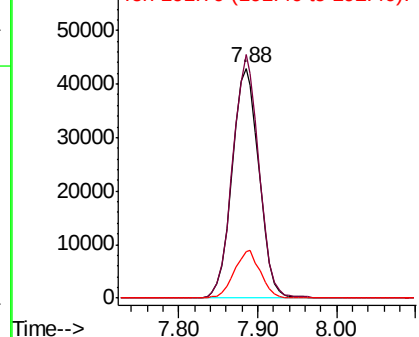


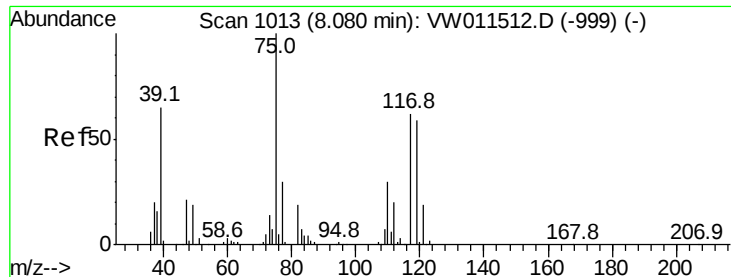
#35
Dibromofluoromethane
Concen: 55.233 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW011847.D
Acq: 12 Aug 2019 13:07

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.7	124.1
192	20.1	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

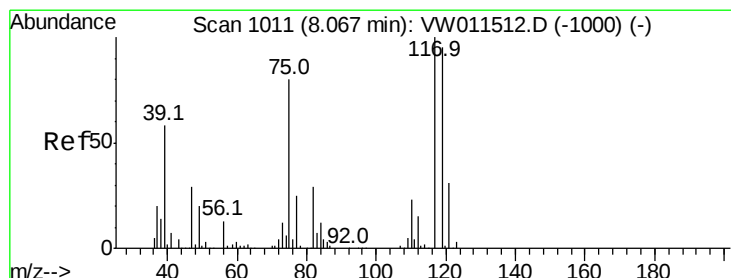
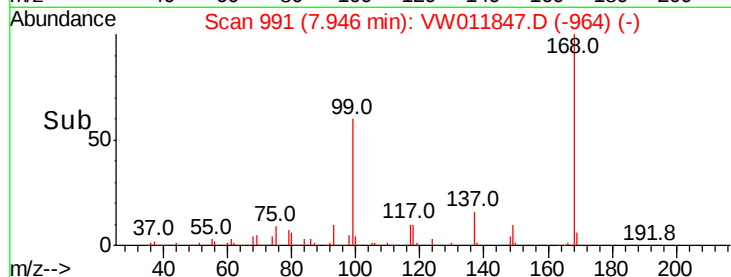
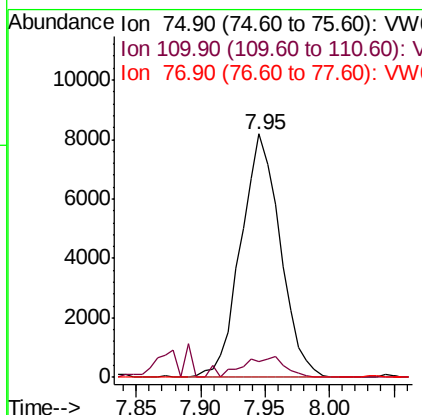
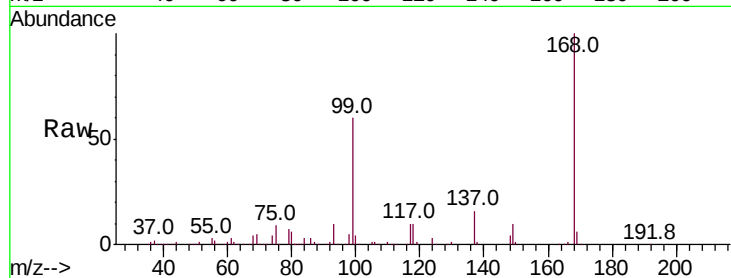




#36
 1,1-Dichloropropene
 Concen: 5.067 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011847.D
 Acq: 12 Aug 2019 13:07

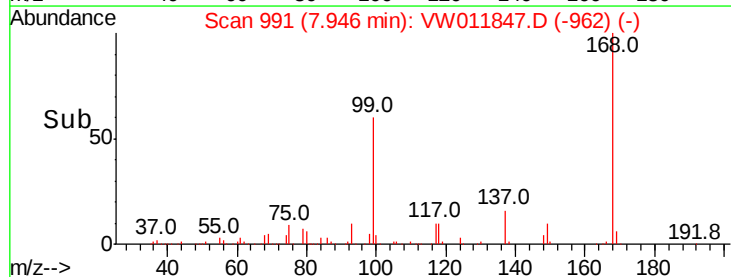
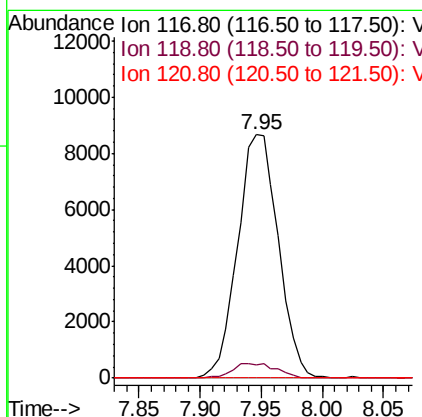
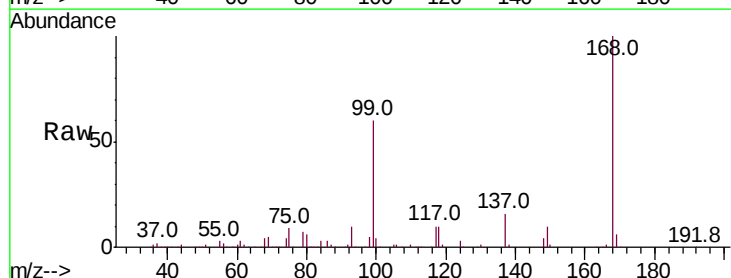
Instrument :
 MSVOA_W
 ClientSampleId :

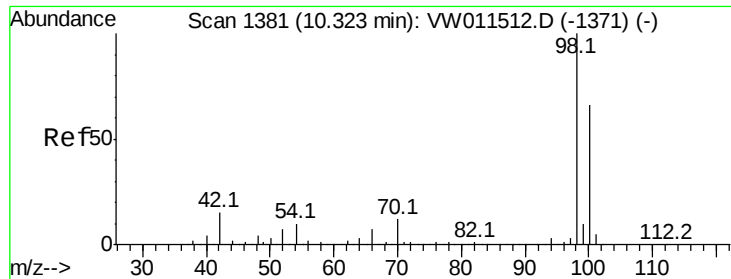
Tot Ion: 75 Resp: 17316
 Ion Ratio Lower Upper
 75 100
 110 8.9 15.6 46.8#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 6.836 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011847.D
 Acq: 12 Aug 2019 13:07

Tgt Ion: 117 Resp: 19998
 Ion Ratio Lower Upper
 117 100
 119 5.3 75.8 113.6#
 121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 53.131 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011847.D

Acq: 12 Aug 2019 13:07

Instrument :

MSVOA_W

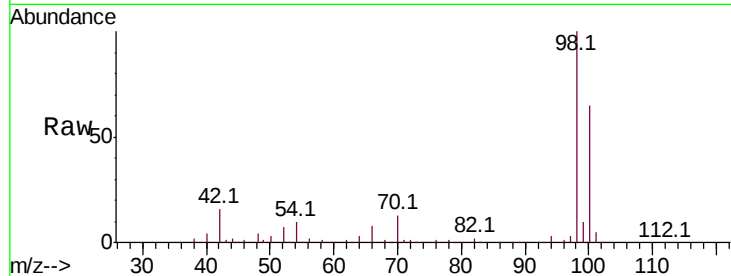
ClientSampled :

Tot Ion: 98 Resp: 401087

Ion Ratio Lower Upper

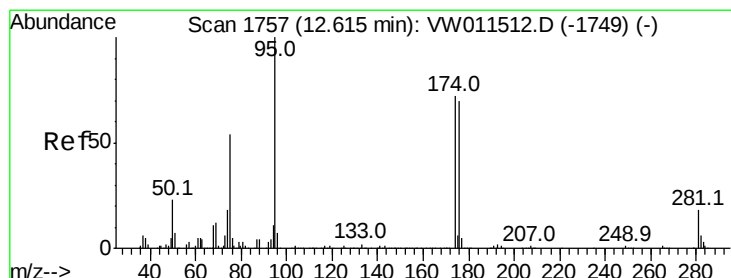
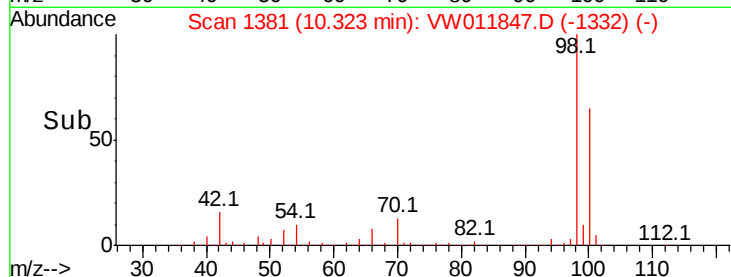
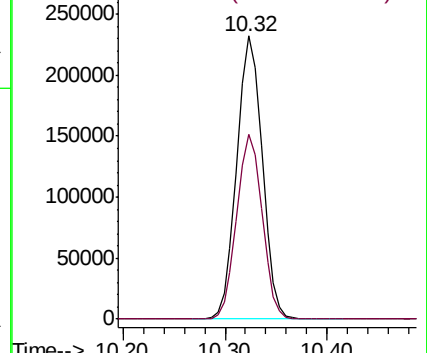
98 100

100 65.3 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: 45.627 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW011847.D

Acq: 12 Aug 2019 13:07

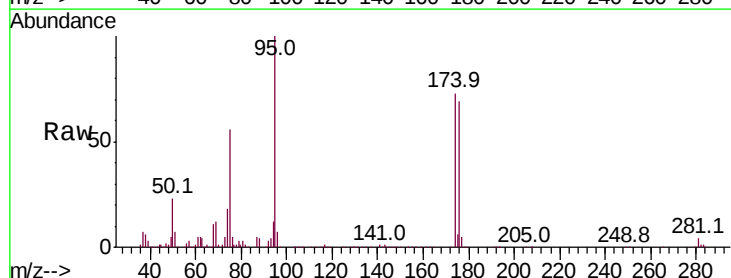
Tgt Ion: 95 Resp: 122801

Ion Ratio Lower Upper

95 100

174 76.6 0.0 150.2

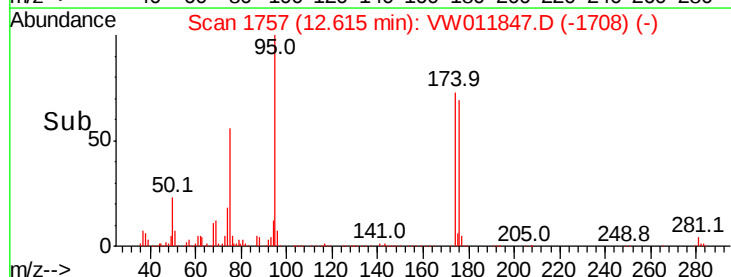
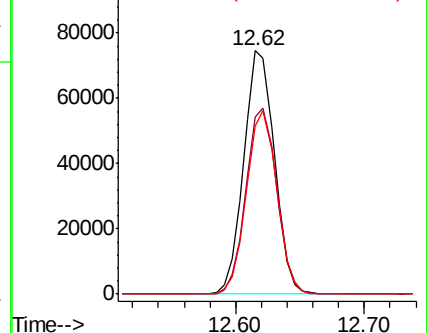
176 74.6 0.0 144.4

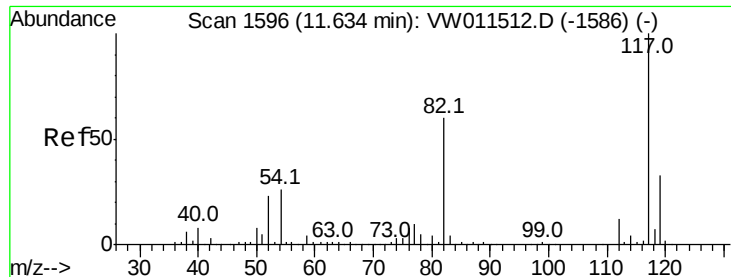


Abundance Ion 94.90 (94.60 to 95.60): VW

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: VW011847.D

Acq: 12 Aug 2019 13:07

Instrument :

MSVOA_W

ClientSampleId :

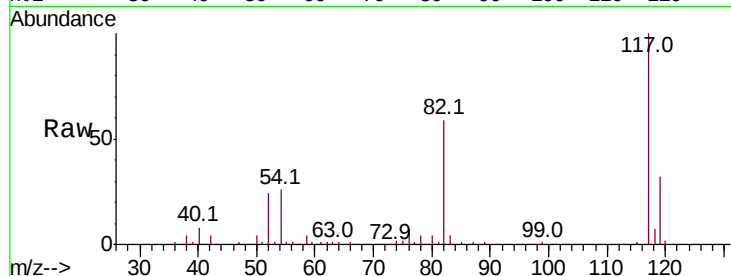
Tot Ion:117 Resp: 272694

Ion Ratio Lower Upper

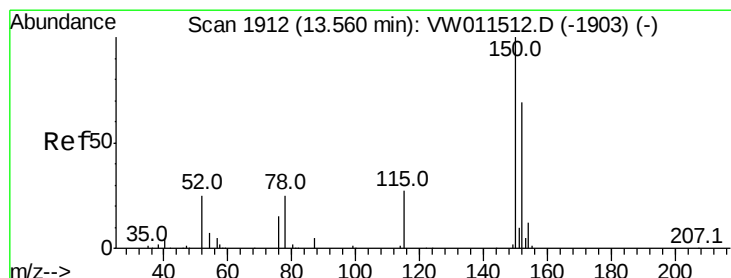
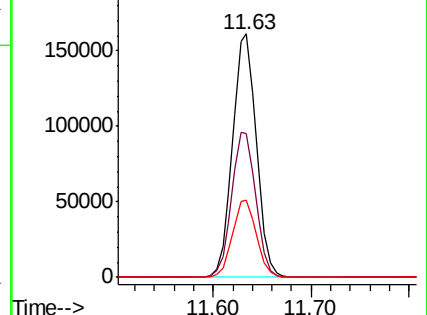
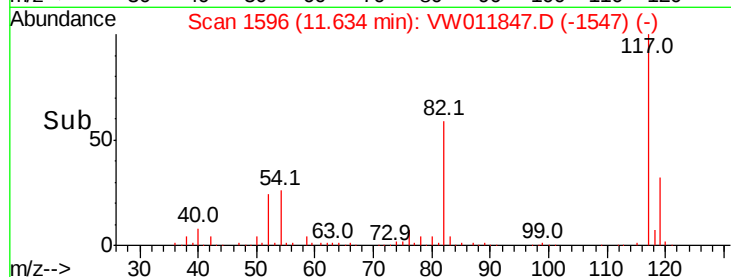
117 100

82 59.2 47.9 71.9

119 31.5 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011847.D

Acq: 12 Aug 2019 13:07

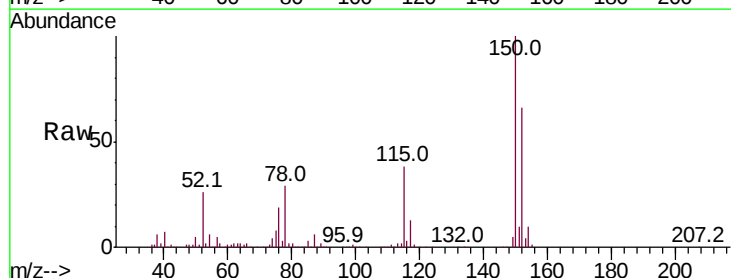
Tgt Ion:152 Resp: 104789

Ion Ratio Lower Upper

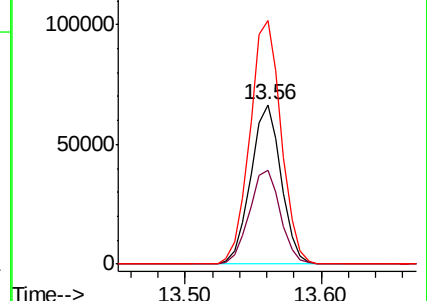
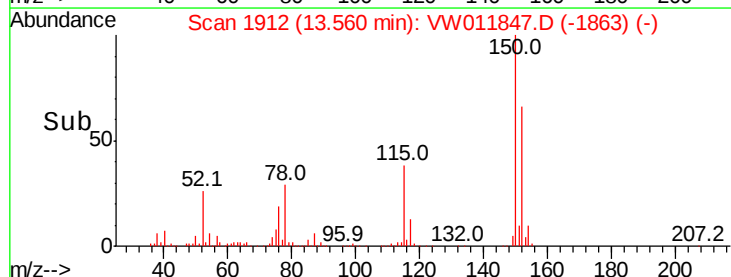
152 100

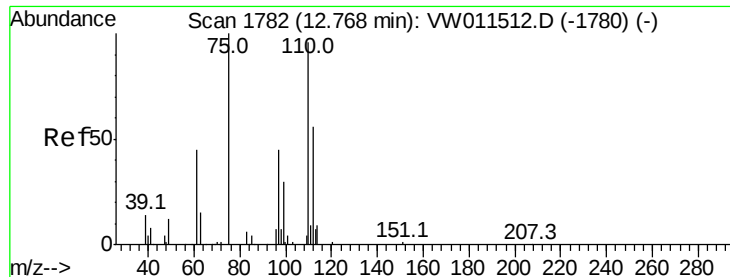
115 60.0 30.5 91.5

150 156.3 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

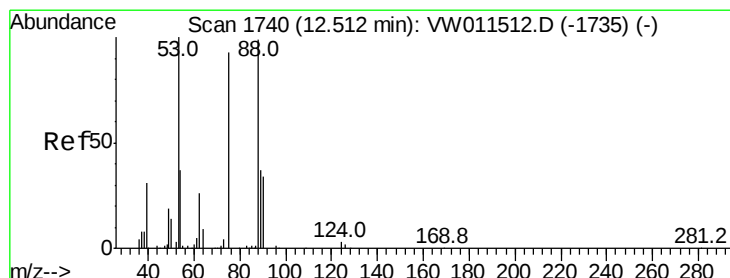
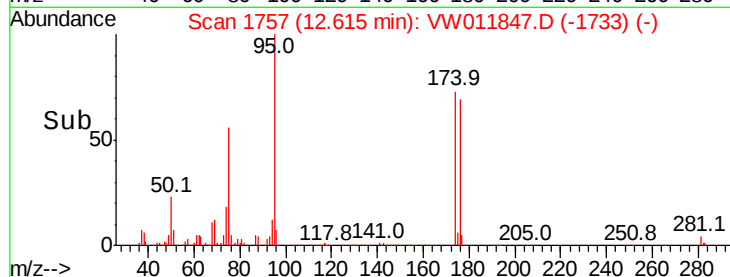
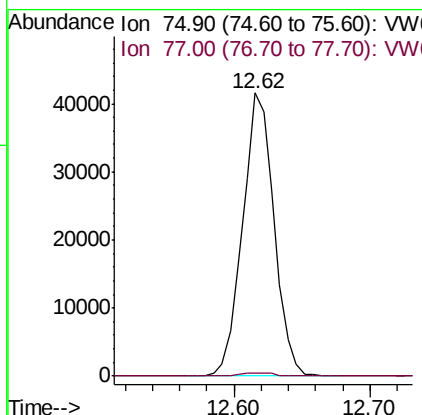
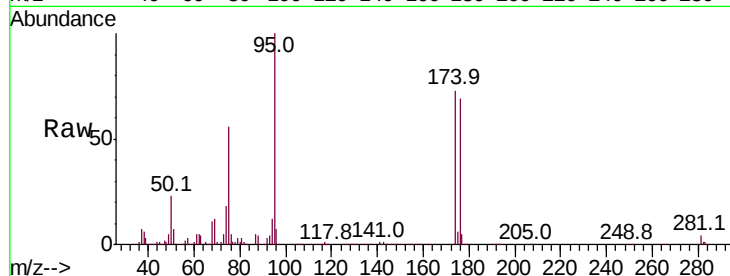




#76
 1,2,3-Trichloropropane
 Concen: 60.428 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW011847.D
 Acq: 12 Aug 2019 13:07

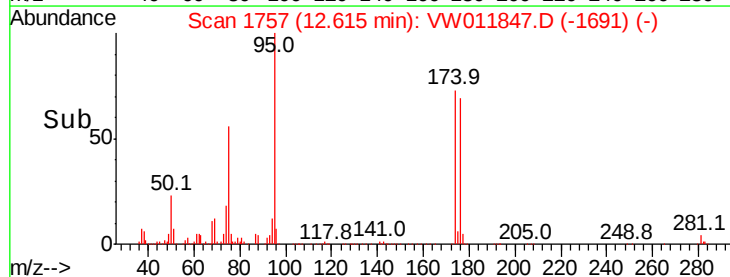
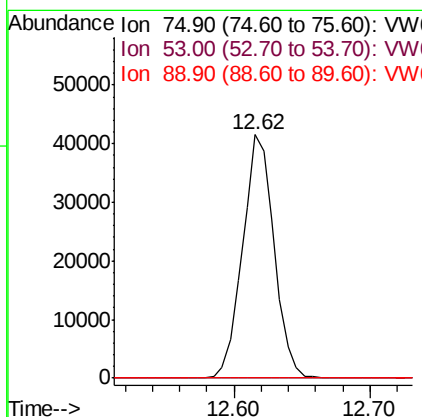
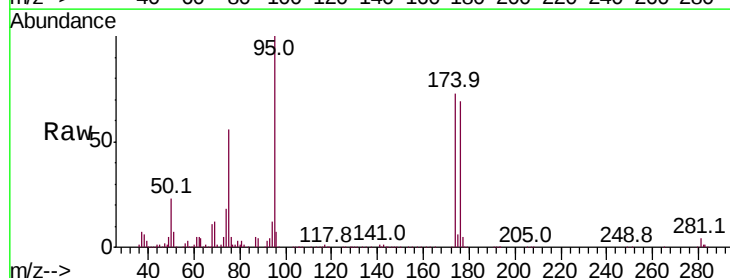
Instrument :
 MSVOA_W
 ClientSampleId :

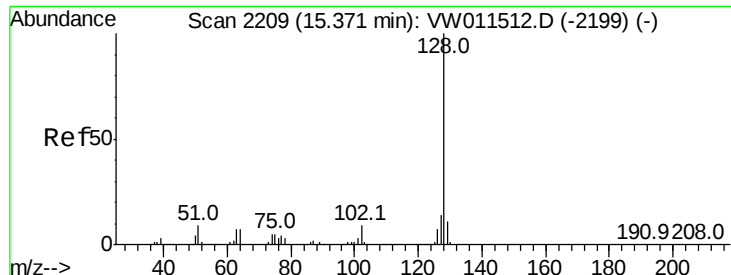
Tot Ion: 75 Resp: 67002
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 139.266 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW011847.D
 Acq: 12 Aug 2019 13:07

Tgt Ion: 75 Resp: 67002
 Ion Ratio Lower Upper
 75 100
 53 0.1 88.0 132.0#
 89 0.0 35.3 52.9#





#95

Naphthalene

Concen: 2.272 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

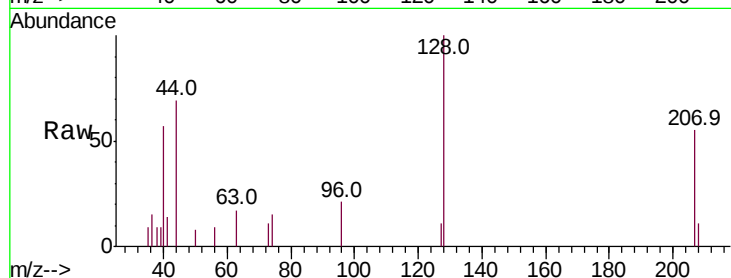
Lab File: VW011847.D

Acq: 12 Aug 2019 13:07

Instrument :

MSVOA_W

ClientSampleId :



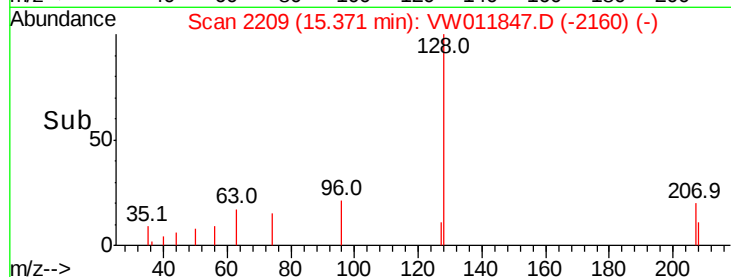
Tot Ion:128 Resp: 890

Ion Ratio Lower Upper

128 100

127 2.8 10.6 16.0#

129 2.5 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

