

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081219\
 Data File : VW011845.D
 Acq On : 12 Aug 2019 12:15
 Operator : SY/VA
 Sample : K4227-17RE
 Misc : 5.36G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 13 07:45:04 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	201959	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	338620	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	275114	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	132015	56.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.86%	
35) Dibromofluoromethane	7.88	113	105373	55.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.94%	
50) Toluene-d8	10.32	98	412802	53.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.14%	
62) 4-Bromofluorobenzene	12.62	95	124276	44.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.64%	

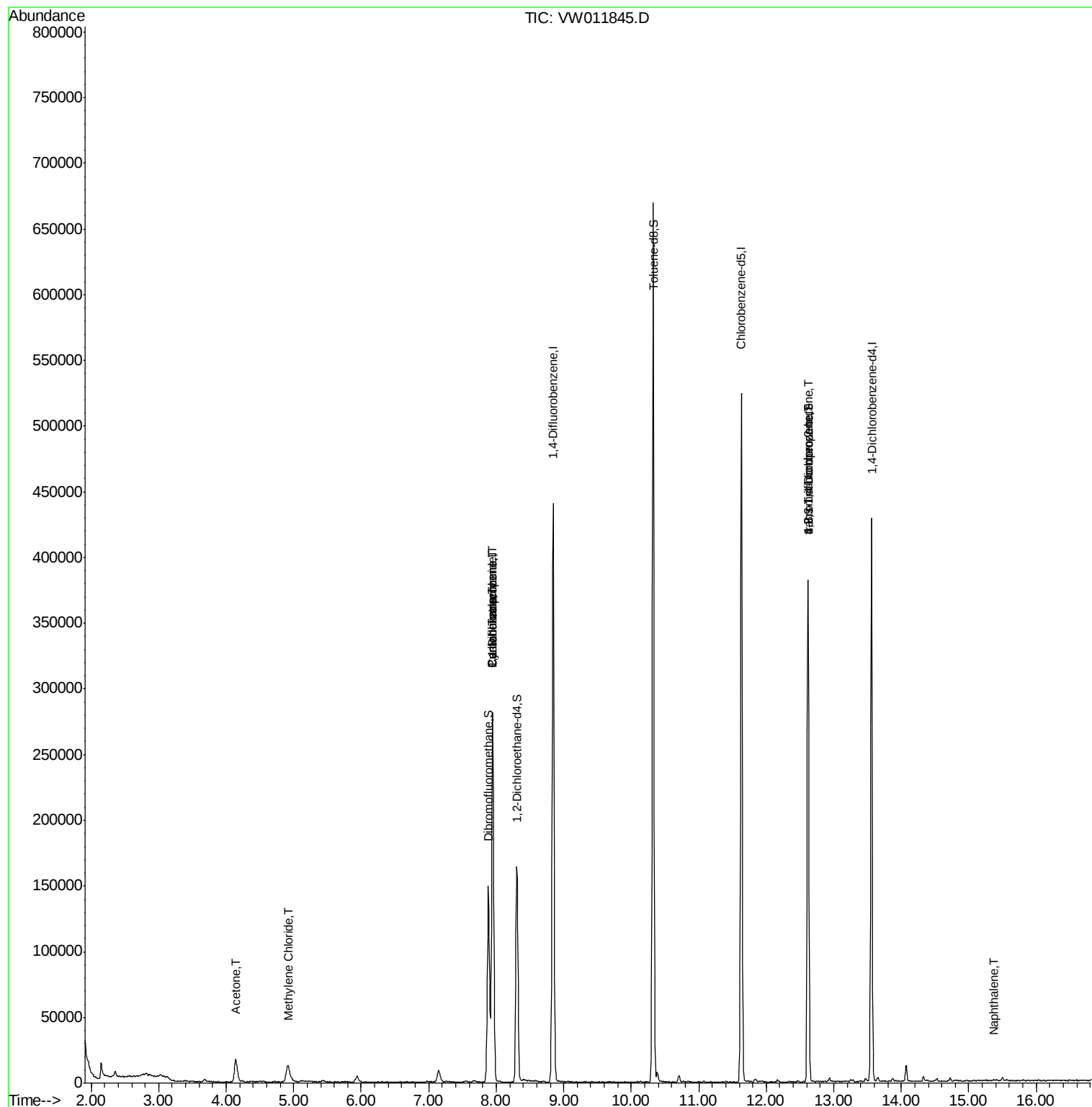
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	203	Below Cal	#	1
16) Acetone	4.14	43	36241	49.128	ug/l	100
20) Methylene Chloride	4.92	84	9896	3.890	ug/l	96
31) Cyclohexane	7.95	56	5135	1.184	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17512	4.974	ug/l #	51
38) Carbon Tetrachloride	7.95	117	20292	6.732	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	66140	60.199	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	66140	138.737	ug/l #	6
95) Naphthalene	15.37	128	553	2.195	ug/l #	78

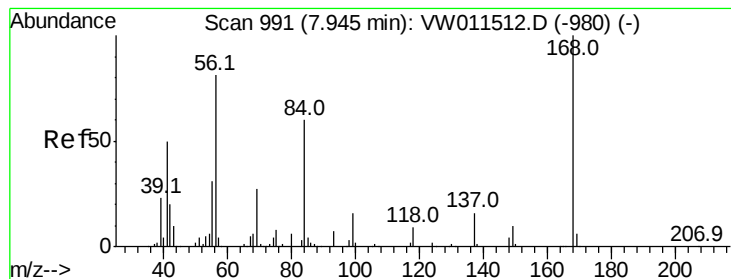
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW011845.D

Acq: 12 Aug 2019 12:15

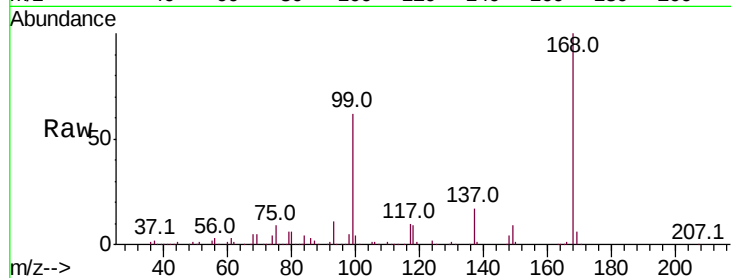
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 201959

Ion Ratio Lower Upper

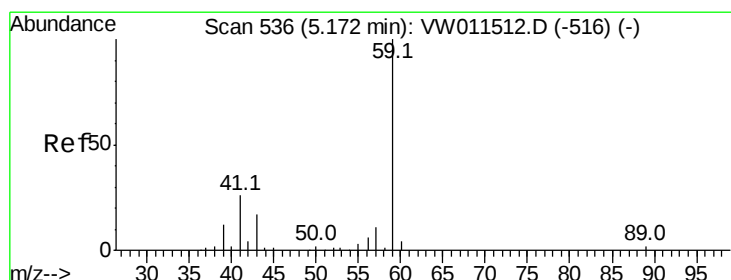
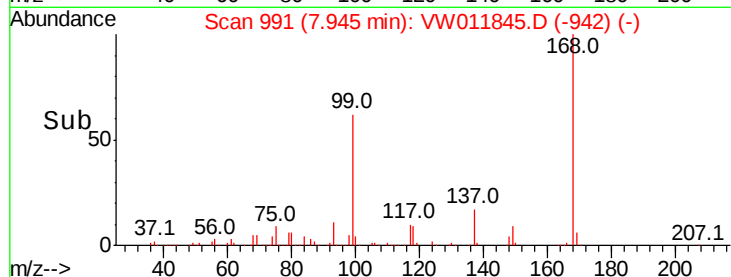
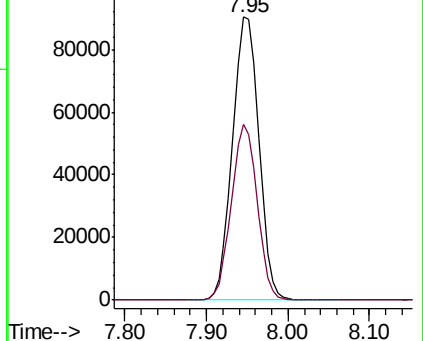
168 100

99 62.1 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: 5.20 min Scan# 540

Delta R.T. 0.02 min

Lab File: VW011845.D

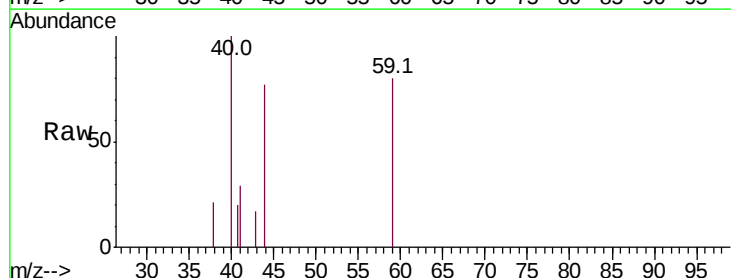
Acq: 12 Aug 2019 12:15

Tgt Ion: 59 Resp: 203

Ion Ratio Lower Upper

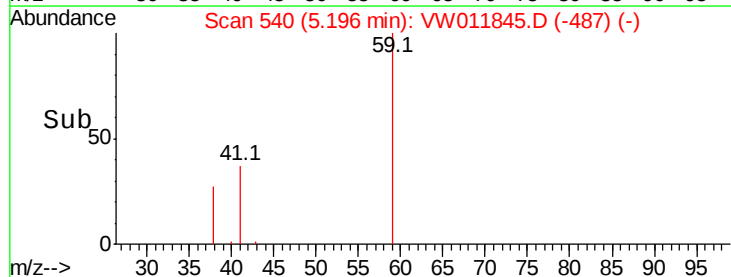
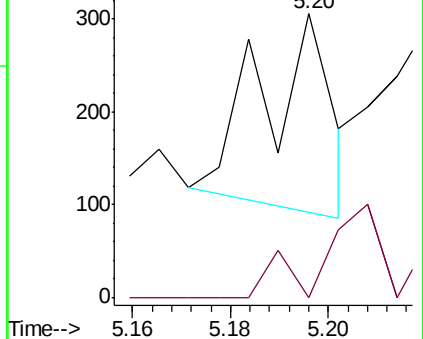
59 100

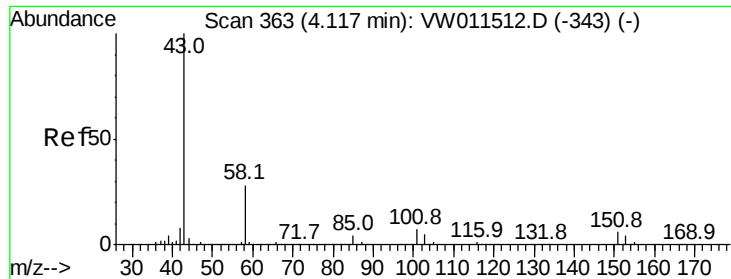
57 51.2 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 49.128 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW011845.D

Acq: 12 Aug 2019 12:15

Instrument :

MSVOA_W

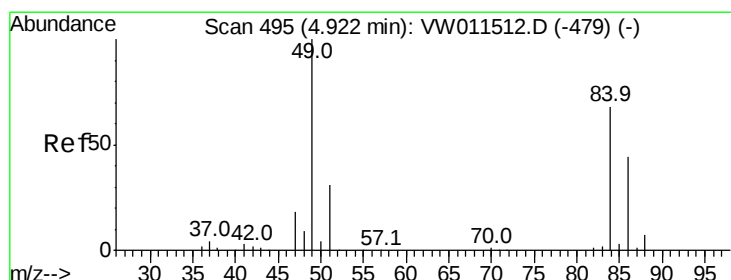
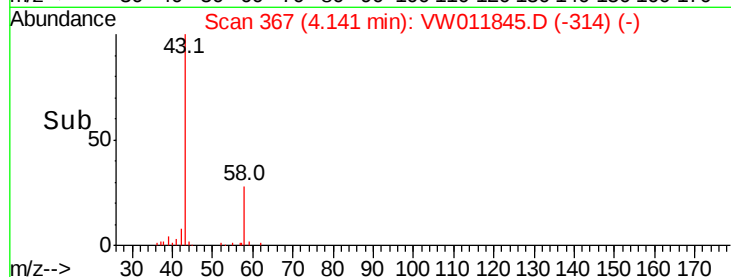
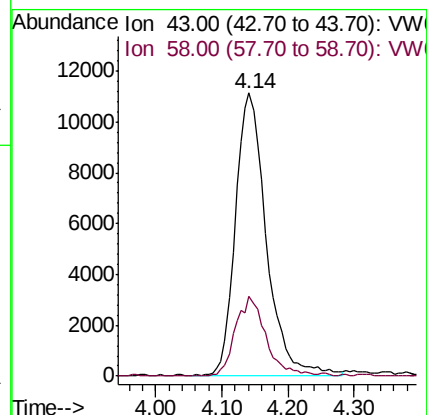
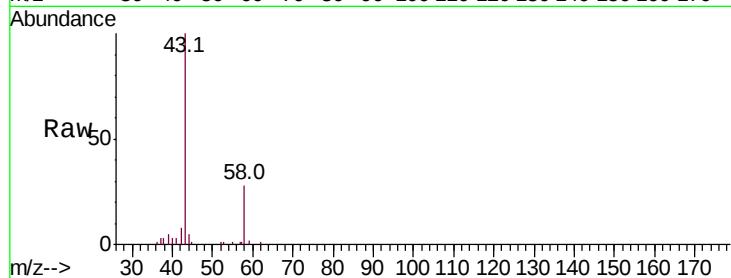
ClientSampleId :

Tot Ion: 43 Resp: 36241

Ion Ratio Lower Upper

43 100

58 28.0 22.3 33.5



#20

Methylene Chloride

Concen: 3.890 ug/l

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW011845.D

Acq: 12 Aug 2019 12:15

Tgt Ion: 84 Resp: 9896

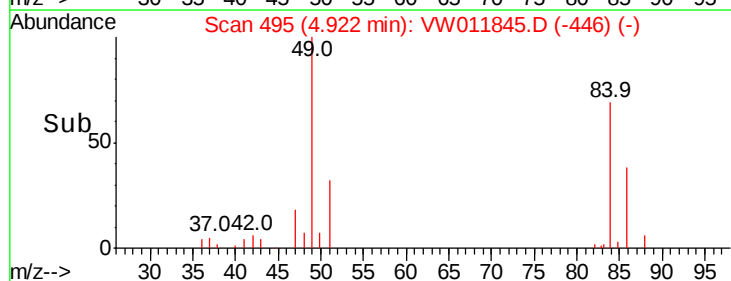
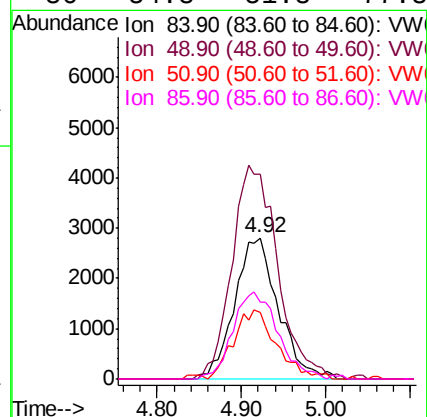
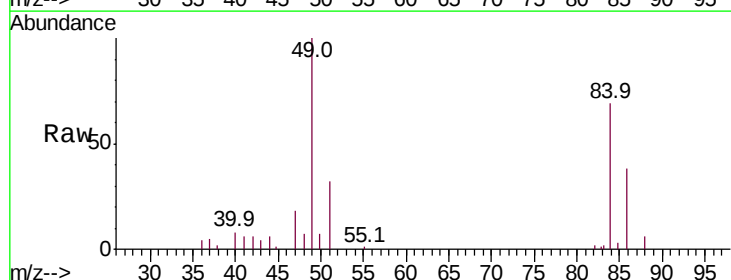
Ion Ratio Lower Upper

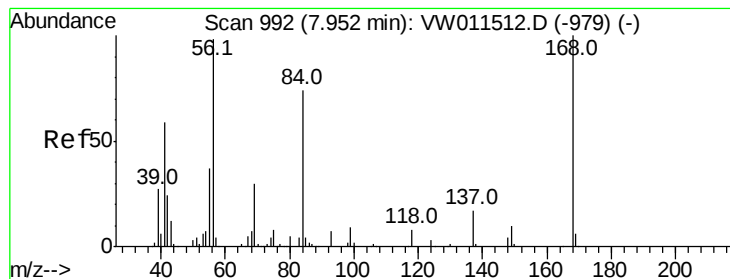
84 100

49 145.7 117.8 176.6

51 47.3 37.0 55.4

86 54.8 51.8 77.8





#31

Cyclohexane

Concen: 1.184 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011845.D

Acq: 12 Aug 2019 12:15

Instrument :
MSVOA_W
ClientSampled :

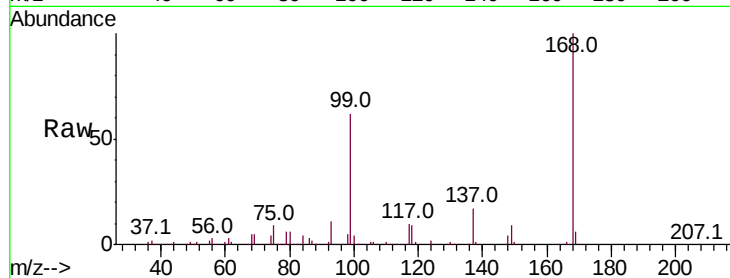
Tot Ion: 56 Resp: 5135

Ion Ratio Lower Upper

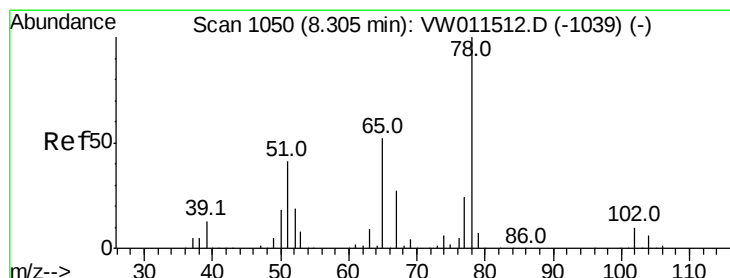
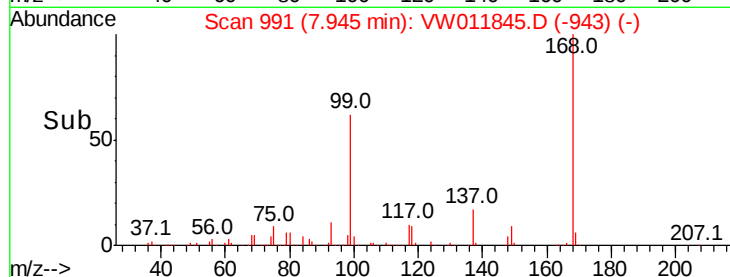
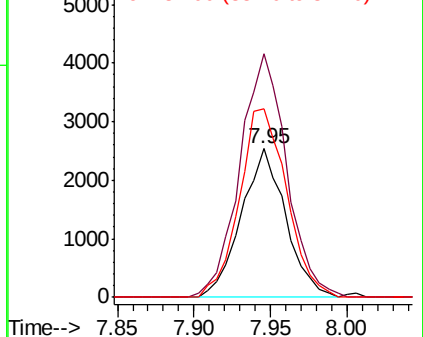
56 100

69 163.7 24.3 36.5#

84 127.0 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: 56.926 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011845.D

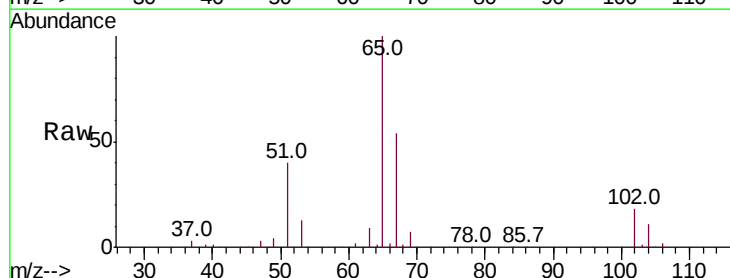
Acq: 12 Aug 2019 12:15

Tgt Ion: 65 Resp: 132015

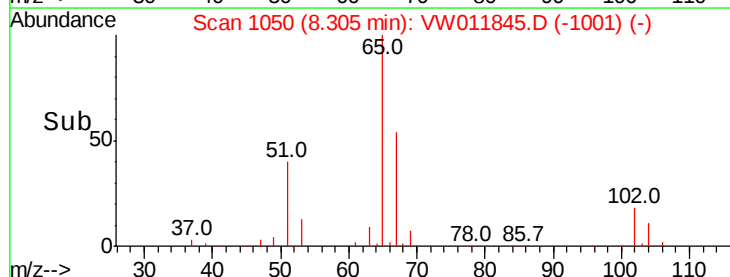
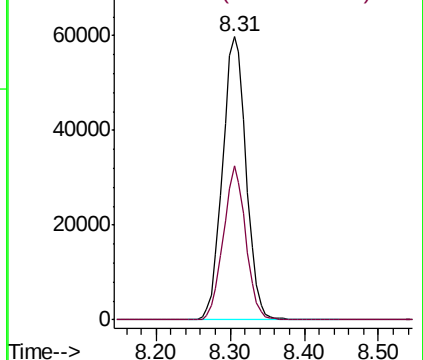
Ion Ratio Lower Upper

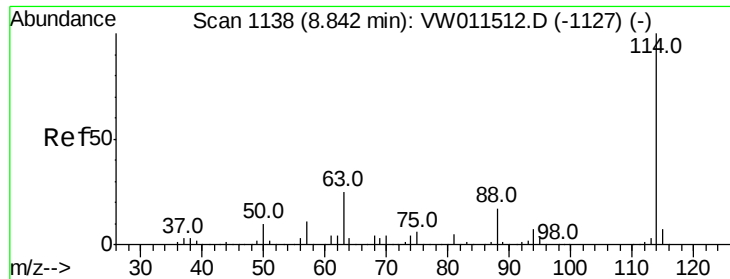
65 100

67 51.7 0.0 105.2



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

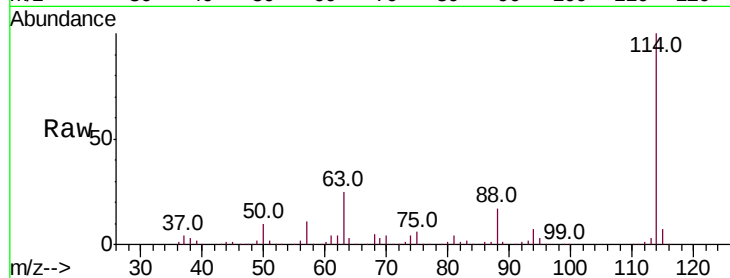




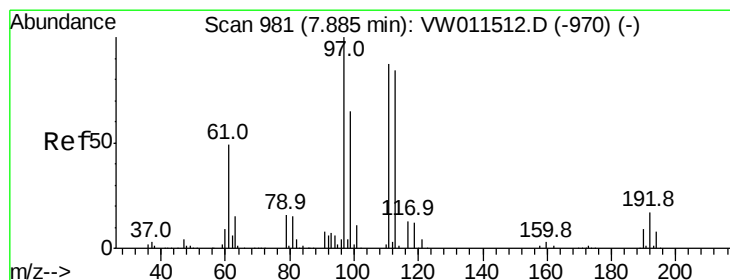
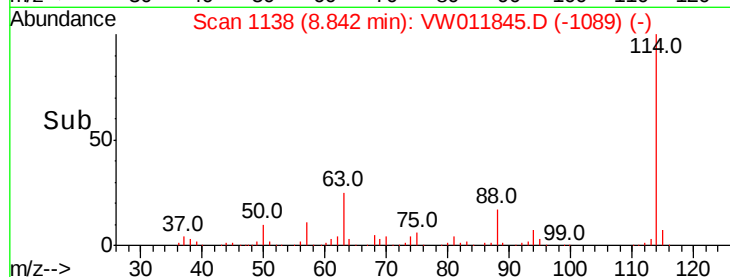
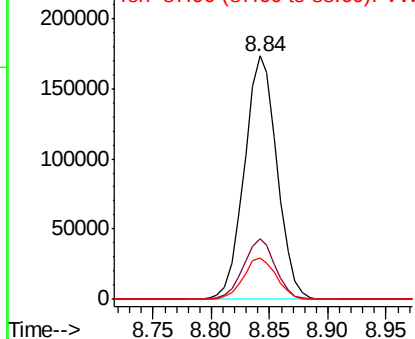
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011845.D
 Acq: 12 Aug 2019 12:15

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:114 Resp: 338620
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 49.2
 88 17.2 0.0 33.8

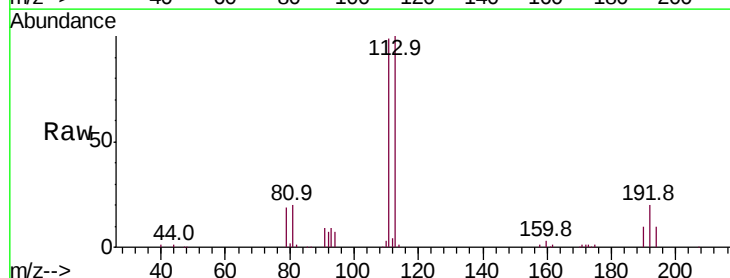


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

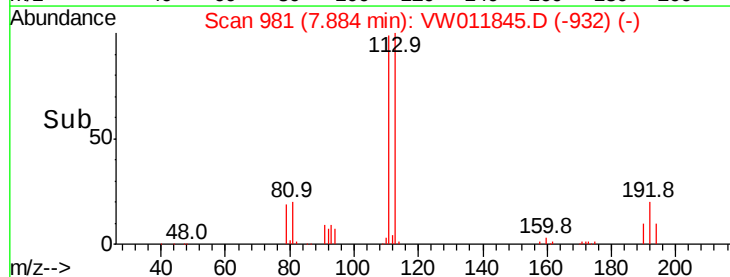
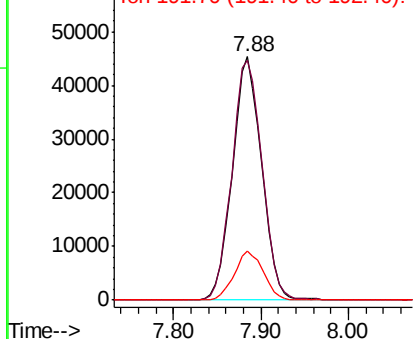


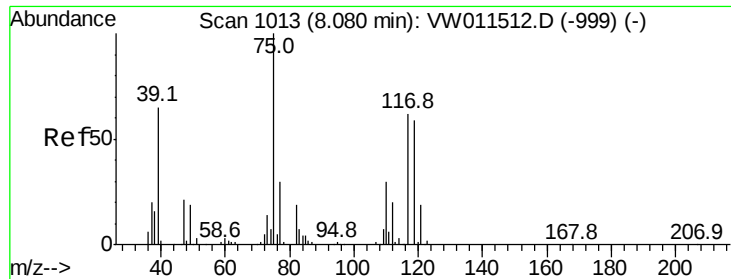
#35
 Dibromofluoromethane
 Concen: 55.468 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011845.D
 Acq: 12 Aug 2019 12:15

Tgt Ion:113 Resp: 105373
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.7 124.1
 192 19.9 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

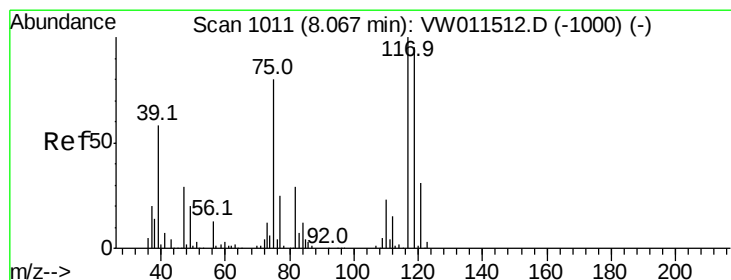
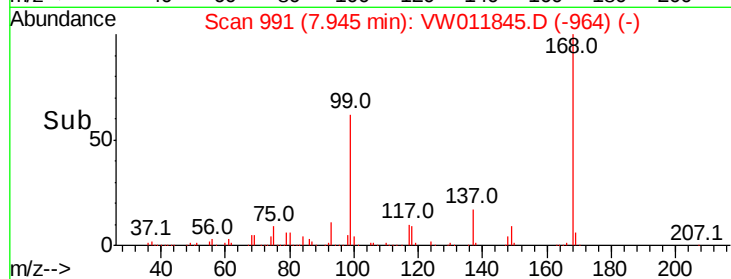
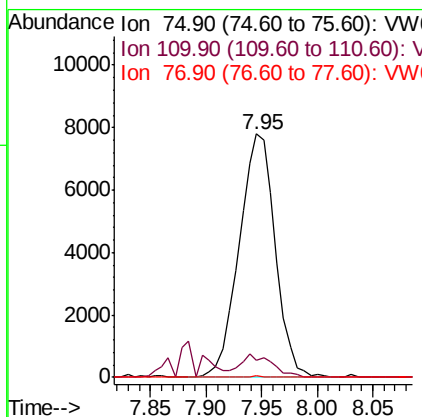
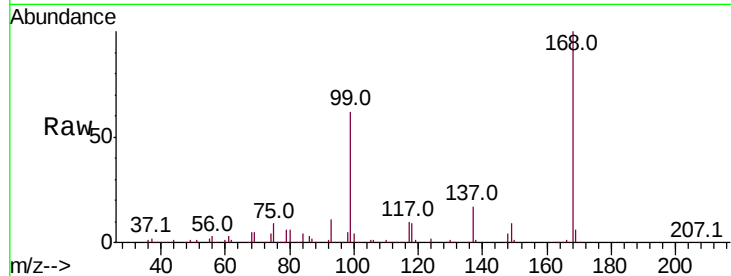




#36
 1,1-Dichloropropene
 Concen: 4.974 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011845.D
 Acq: 12 Aug 2019 12:15

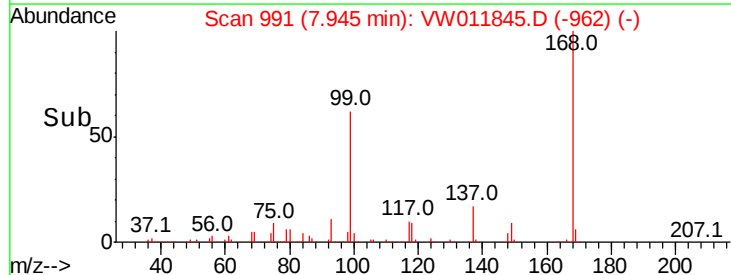
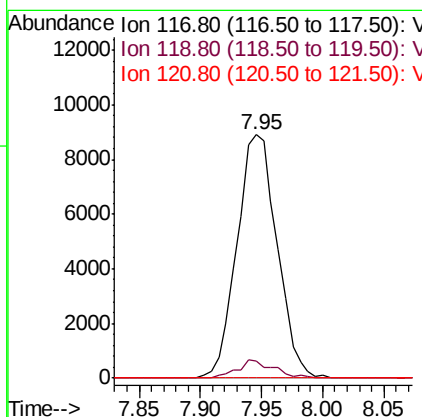
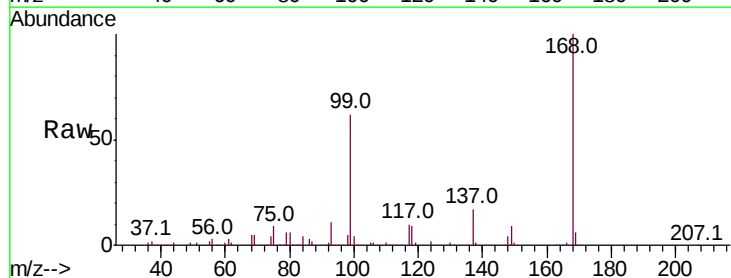
Instrument :
 MSVOA_W
 ClientSampleId :

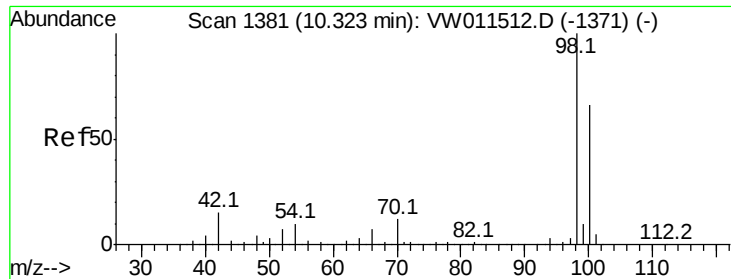
Tot Ion: 75 Resp: 17512
 Ion Ratio Lower Upper
 75 100
 110 8.1 15.6 46.8#
 77 0.1 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 6.732 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011845.D
 Acq: 12 Aug 2019 12:15

Tgt Ion: 117 Resp: 20292
 Ion Ratio Lower Upper
 117 100
 119 6.9 75.8 113.6#
 121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 53.073 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011845.D

Acq: 12 Aug 2019 12:15

Instrument :

MSVOA_W

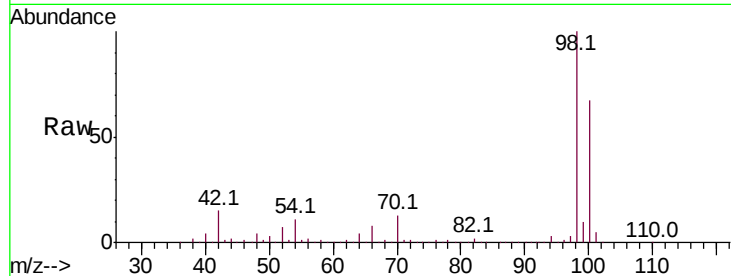
ClientSampled :

Tot Ion: 98 Resp: 412802

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): VW

250000

200000

150000

100000

50000

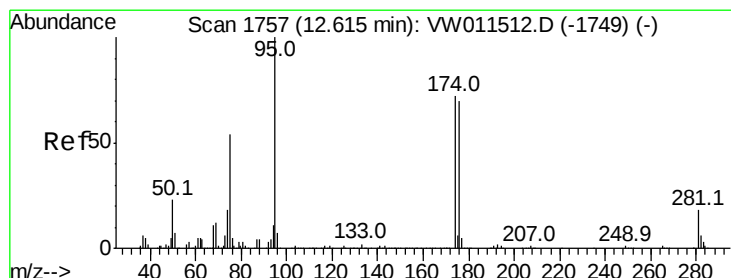
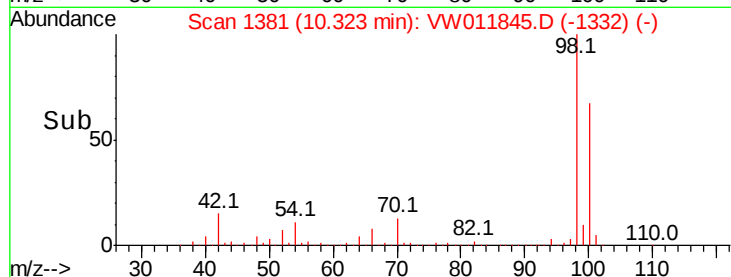
0

10.32

10.30

10.40

Time-->



#62

4-Bromofluorobenzene

Concen: 44.816 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011845.D

Acq: 12 Aug 2019 12:15

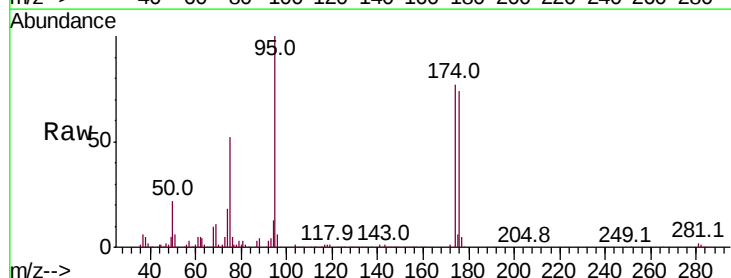
Tgt Ion: 95 Resp: 124276

Ion Ratio Lower Upper

95 100

174 76.7 0.0 150.2

176 73.2 0.0 144.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

100000

80000

60000

40000

20000

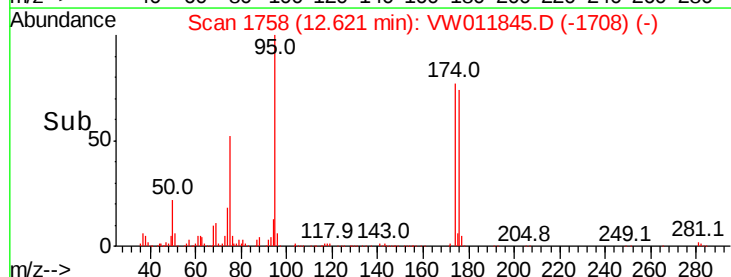
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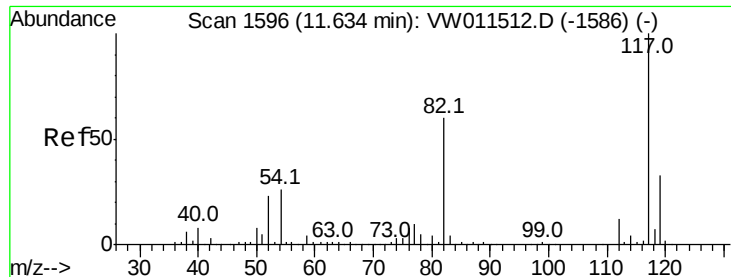
12.62

12.50

12.70

Time-->

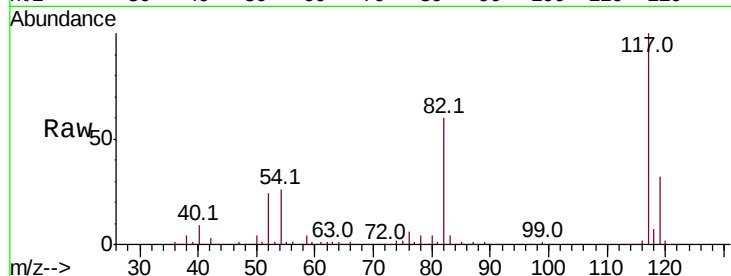




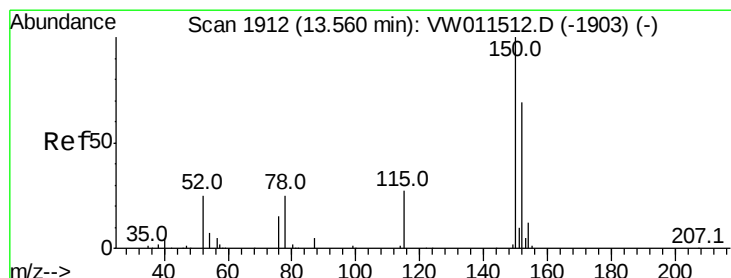
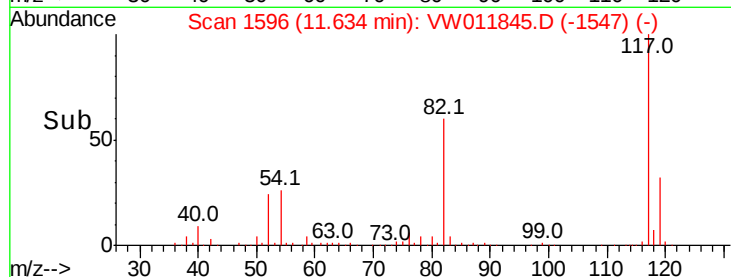
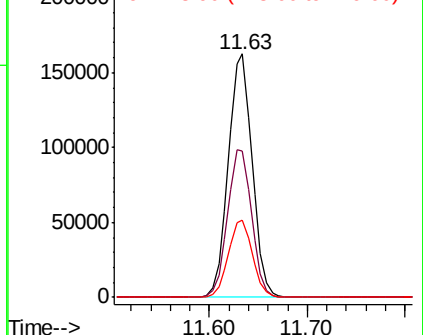
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011845.D
Acq: 12 Aug 2019 12:15

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 275114
Ion Ratio Lower Upper
117 100
82 59.9 47.9 71.9
119 31.8 26.2 39.2

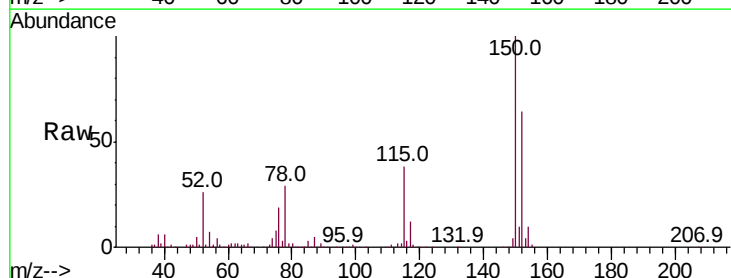


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

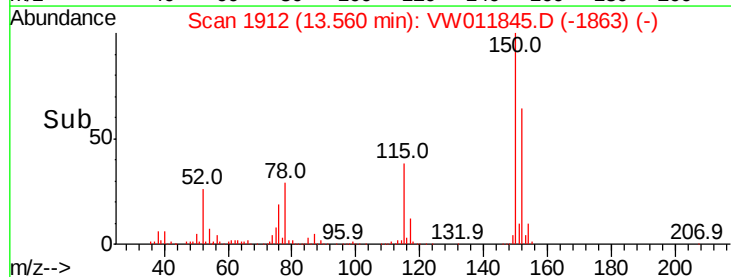
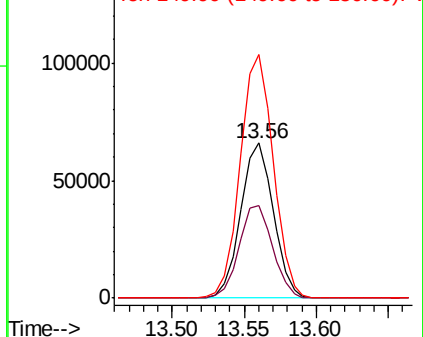


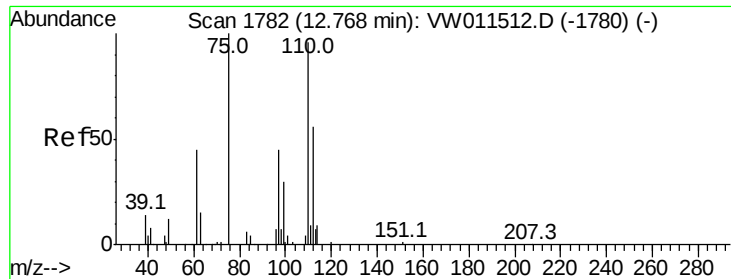
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011845.D
Acq: 12 Aug 2019 12:15

Tgt Ion:152 Resp: 103835
Ion Ratio Lower Upper
152 100
115 61.3 30.5 91.5
150 159.0 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: 60.199 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011845.D

Acq: 12 Aug 2019 12:15

Instrument :

MSVOA_W

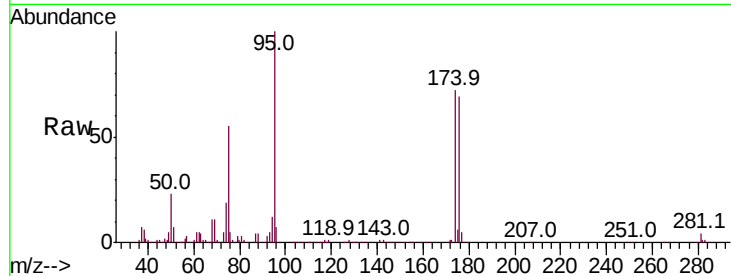
ClientSampleId :

Tot Ion: 75 Resp: 66140

Ion Ratio Lower Upper

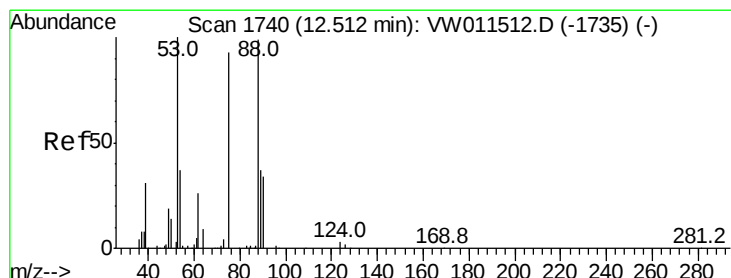
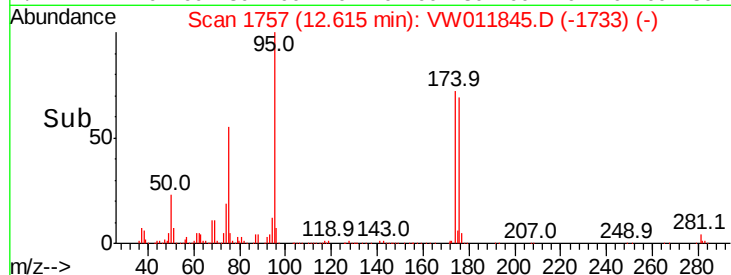
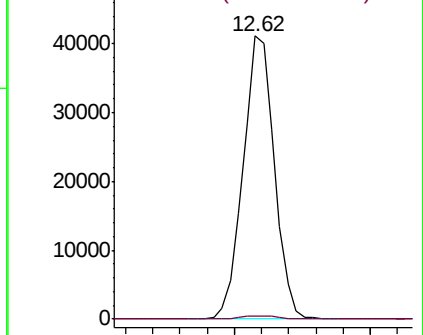
75 100

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: 138.737 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011845.D

Acq: 12 Aug 2019 12:15

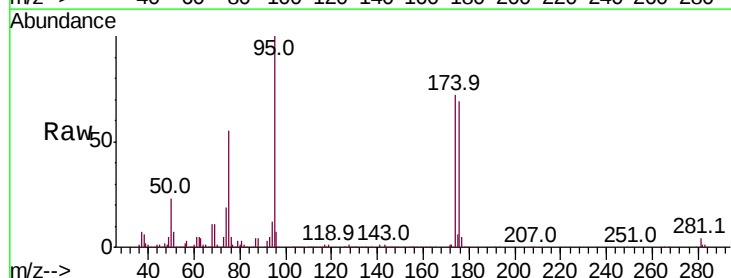
Tgt Ion: 75 Resp: 66140

Ion Ratio Lower Upper

75 100

53 0.0 88.0 132.0#

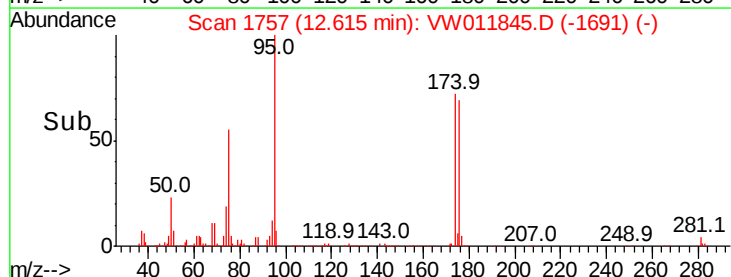
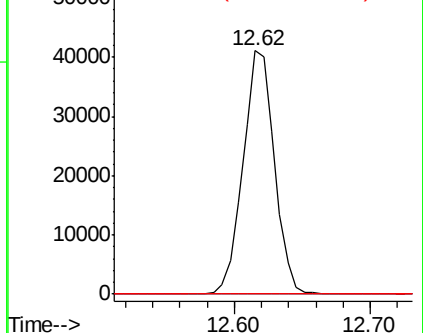
89 0.1 35.3 52.9#

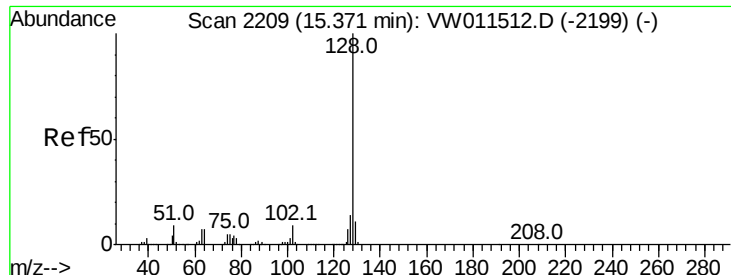


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95

Naphthalene

Concen: 2.195 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011845.D

Acq: 12 Aug 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:128 Resp: 553

Ion Ratio Lower Upper

128 100

127 3.6 10.6 16.0#

129 3.8 8.6 13.0#

