

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031319\
 Data File : VW009155.D
 Acq On : 13 Mar 2019 14:56
 Operator : SY/VA
 Sample : VW0313SBL01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 14 05:21:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	316103	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	502670	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	442676	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	198567	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	178404	56.10	ug/l	0.00
Spiked Amount			Recovery	=	112.20%	
35) Dibromofluoromethane	7.88	113	152250	50.31	ug/l	0.00
Spiked Amount			Recovery	=	100.62%	
50) Toluene-d8	10.32	98	610531	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	
62) 4-Bromofluorobenzene	12.62	95	200831	41.04	ug/l	0.00
Spiked Amount			Recovery	=	82.08%	

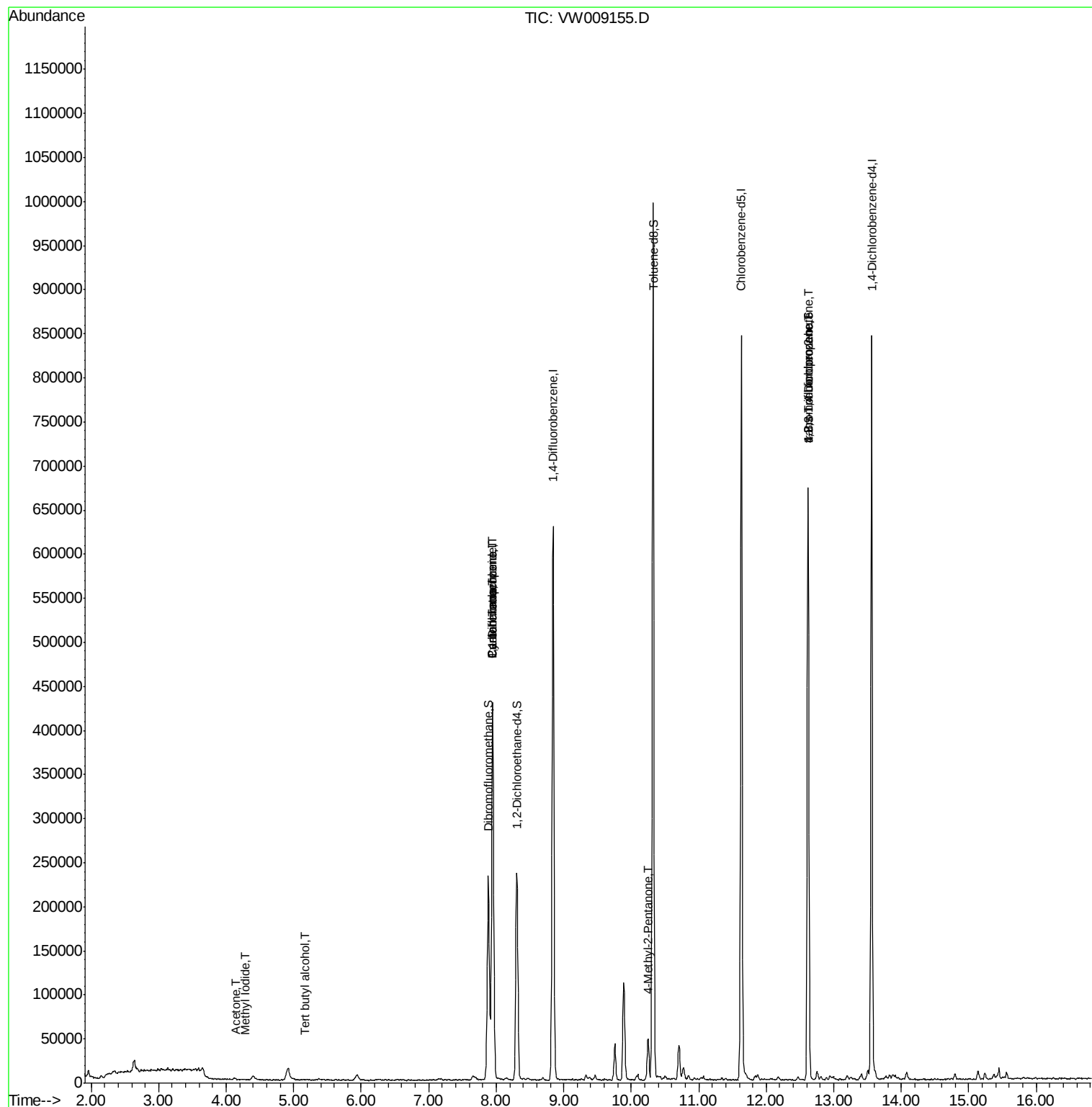
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.28	142	48	3.200	ug/l #	22
11) Tert butyl alcohol	5.17	59	537	2.203	ug/l #	72
16) Acetone	4.14	43	2349	3.273	ug/l	100
20) Methylene Chloride	4.91	84	9162	Below Cal		97
31) Cyclohexane	7.95	56	8533	1.439	ug/l #	39
36) 1,1-Dichloropropene	7.95	75	25617	4.874	ug/l #	51
38) Carbon Tetrachloride	7.95	117	31726	5.845	ug/l #	18
51) 4-Methyl-2-Pentanone	10.25	43	6152	2.635	ug/l #	86
76) 1,2,3-Trichloropropane	12.62	75	110352	70.340	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	110352	157.331	ug/l #	5

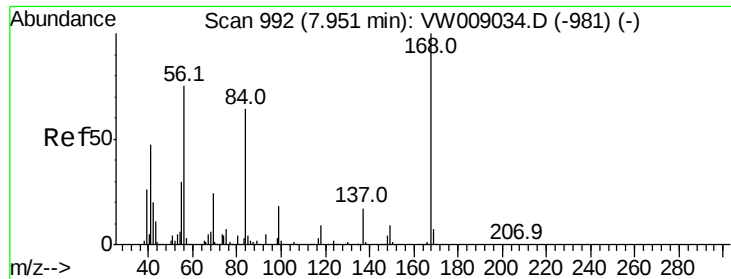
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 08 05:22:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009155.D

Acq: 13 Mar 2019 14:56

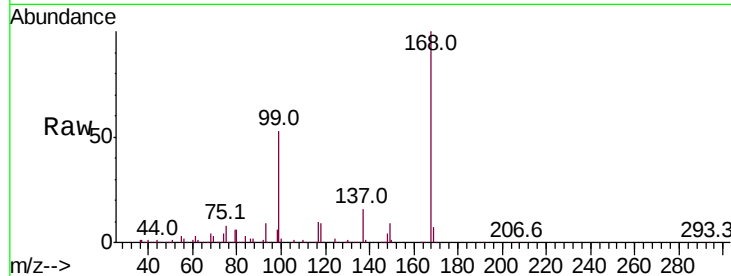
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 316103

Ion Ratio Lower Upper

168 100

99 53.1 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

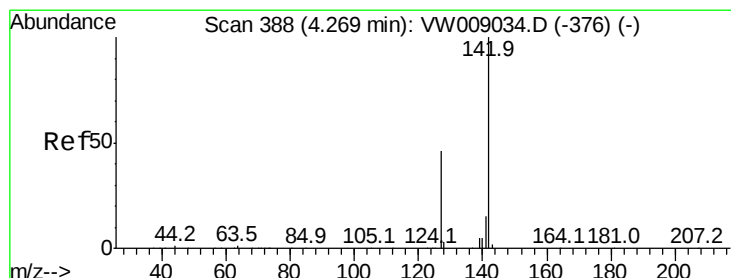
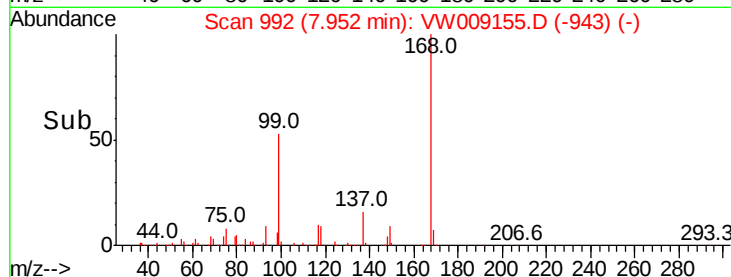
100000

50000

0

Time-->

7.90 8.00



#10

Methyl Iodide

Concen: 3.200 ug/l

RT: 4.28 min Scan# 390

Delta R.T. 0.01 min

Lab File: VW009155.D

Acq: 13 Mar 2019 14:56

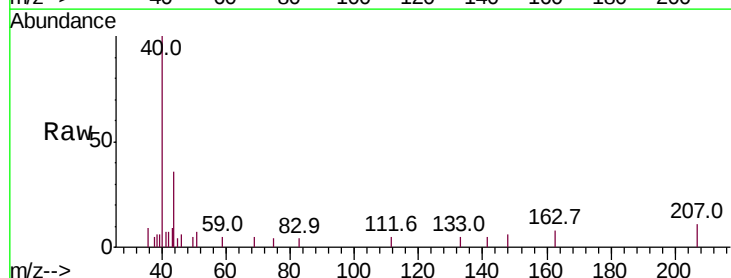
Tgt Ion:142 Resp: 48

Ion Ratio Lower Upper

142 100

127 0.0 35.8 53.6#

141 58.3 11.8 17.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.28

100

80

60

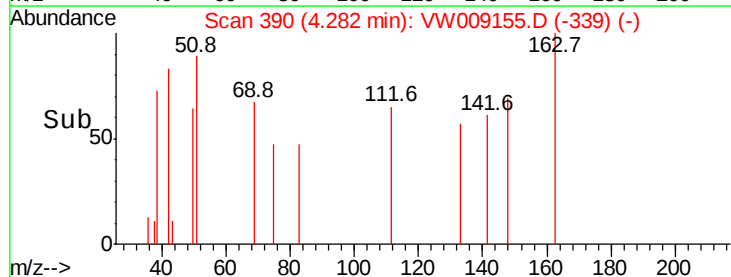
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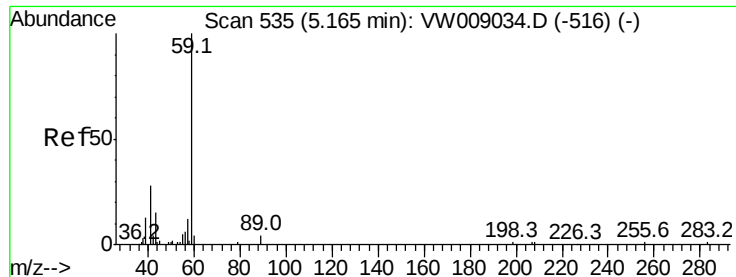
20

0

Time-->

4.26 4.28 4.30



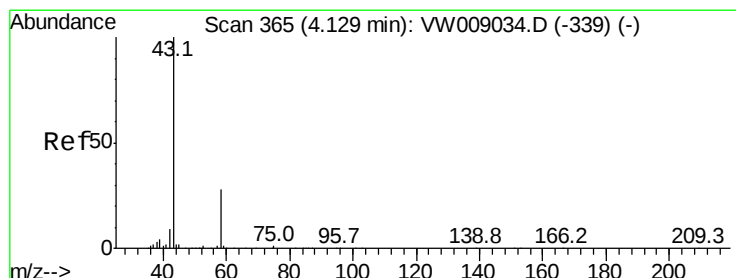
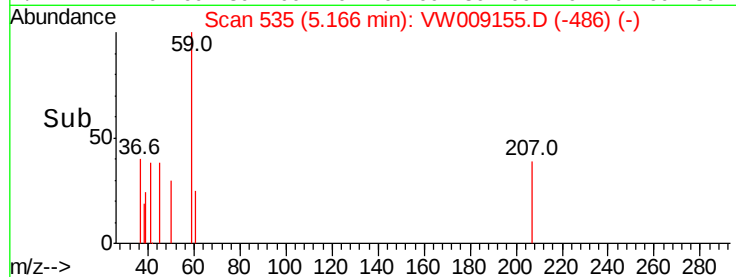
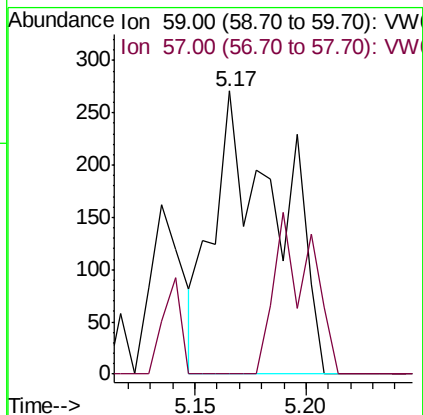
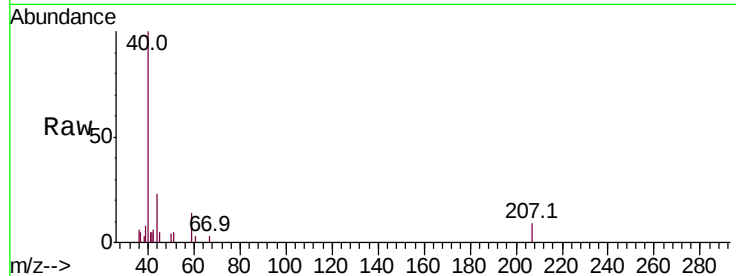


#11

Tert butvl alcohol
 Concen: 2.203 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VW009155.D
 Acq: 13 Mar 2019 14:56

Instrument :
 MSVOA_W
 ClientSampleId :

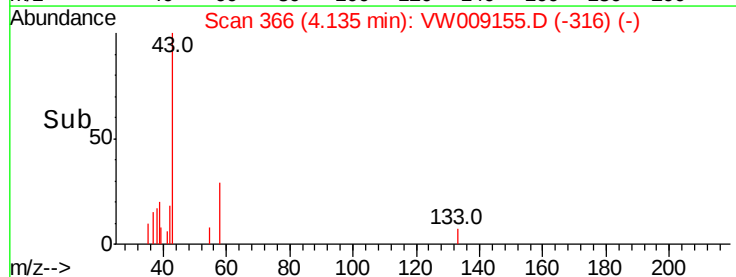
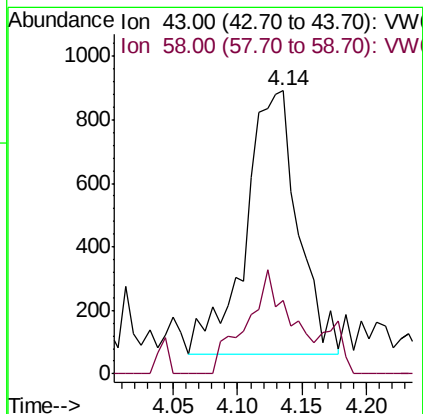
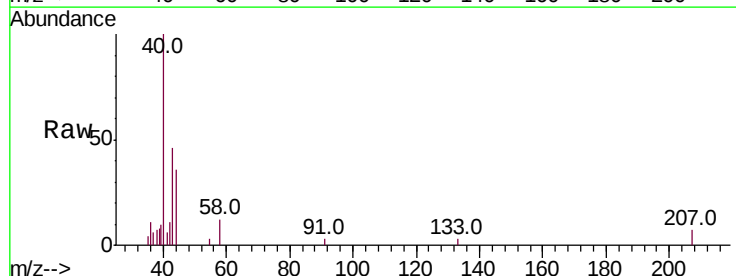
Tot Ion: 59 Resp: 537
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#

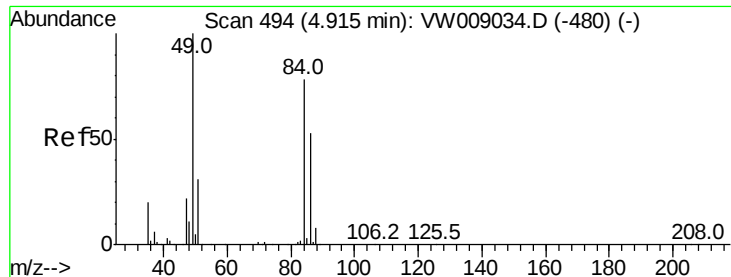


#16

Acetone
 Concen: 3.273 ug/l
 RT: 4.14 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VW009155.D
 Acq: 13 Mar 2019 14:56

Tgt Ion: 43 Resp: 2349
 Ion Ratio Lower Upper
 43 100
 58 28.0 22.5 33.7



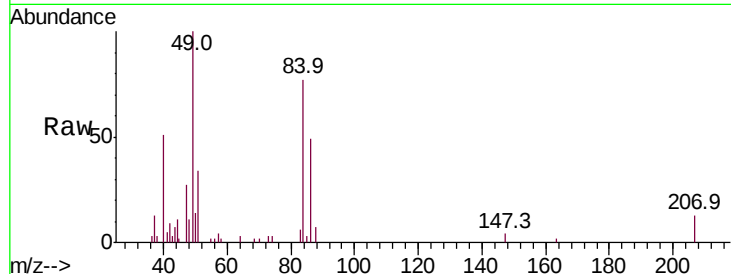


#20

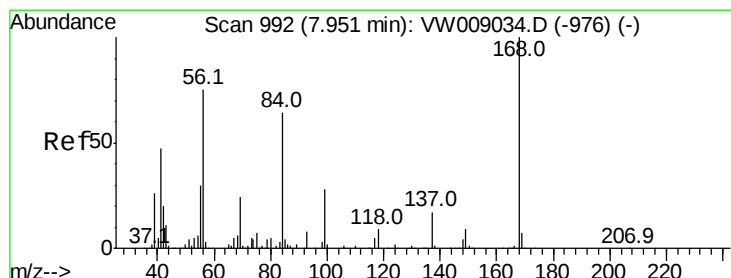
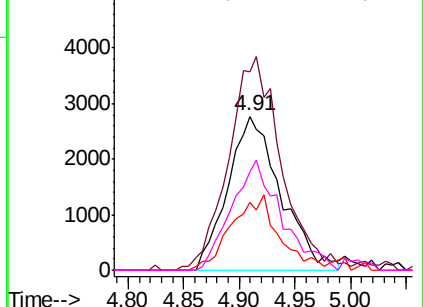
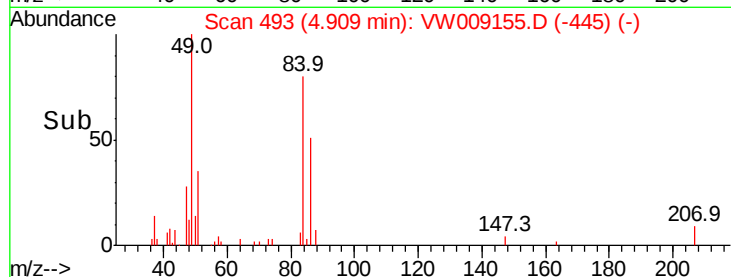
Methylene Chloride
 Concen: Below Cal
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW009155.D
 Acq: 13 Mar 2019 14:56

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:	84	Resp:	9162
Ion	Ratio	Lower	Upper
84	100		
49	126.6	102.4	153.6
51	43.8	31.6	47.4
86	63.7	54.5	81.7



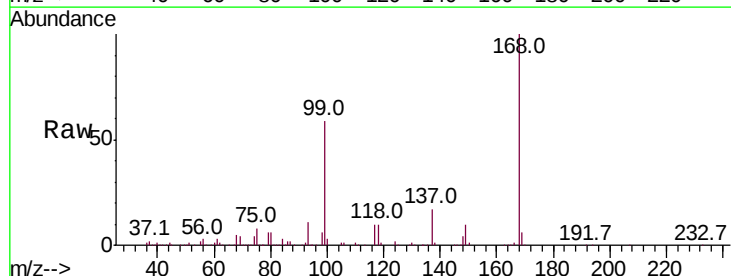
Abundance Ion 83.90 (83.60 to 84.60): VW
 Ion 48.90 (48.60 to 49.60): VW
 Ion 50.90 (50.60 to 51.60): VW
 Ion 85.90 (85.60 to 86.60): VW



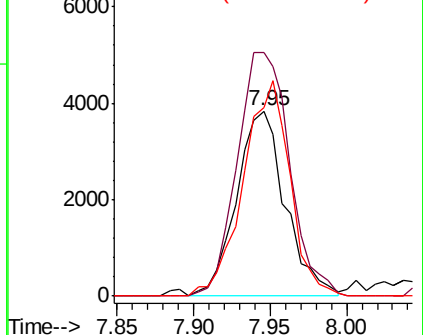
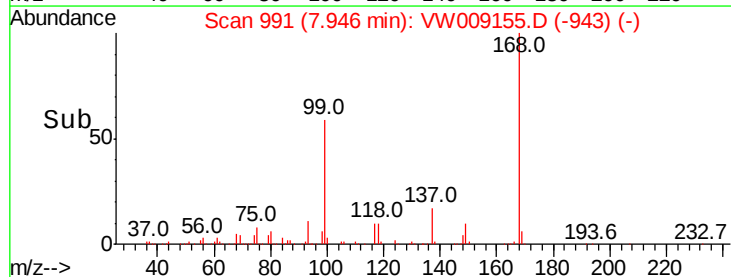
#31

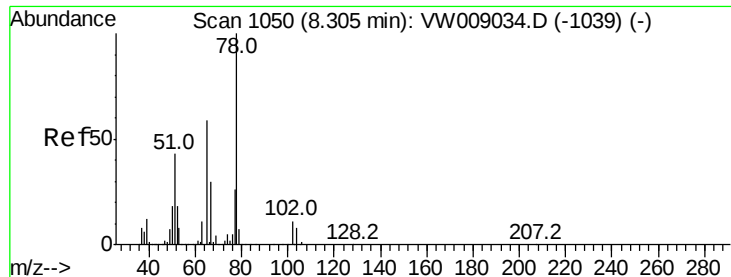
Cyclohexane
 Concen: 1.439 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: VW009155.D
 Acq: 13 Mar 2019 14:56

Tgt Ion:	56	Resp:	8533
Ion	Ratio	Lower	Upper
56	100		
69	131.3	25.5	38.3#
84	101.6	68.6	103.0



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: 56.097 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009155.D

Acq: 13 Mar 2019 14:56

Instrument :

MSVOA_W

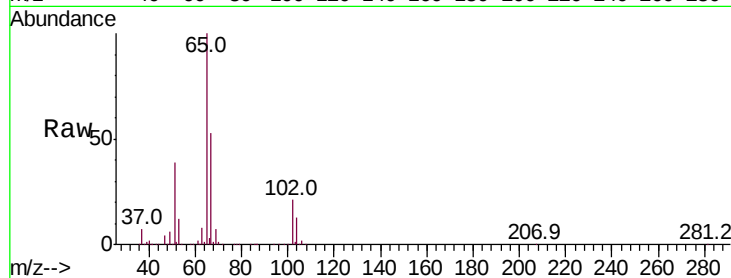
ClientSampleId :

Tot Ion: 65 Resp: 178404

Ion Ratio Lower Upper

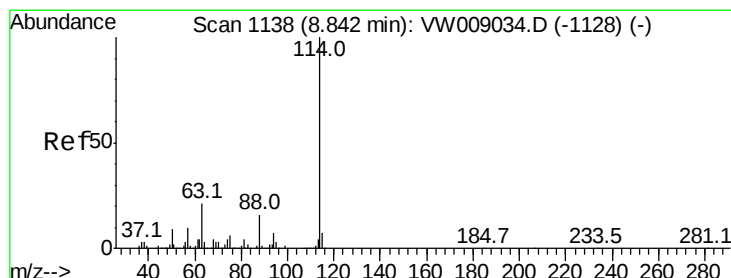
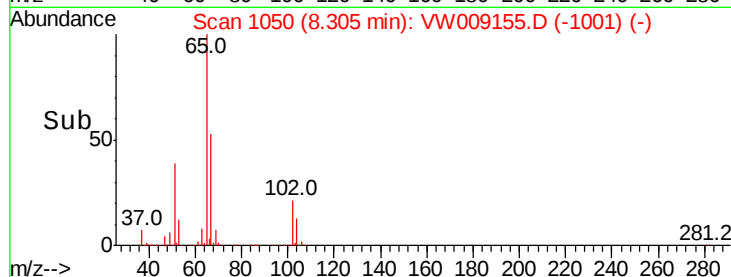
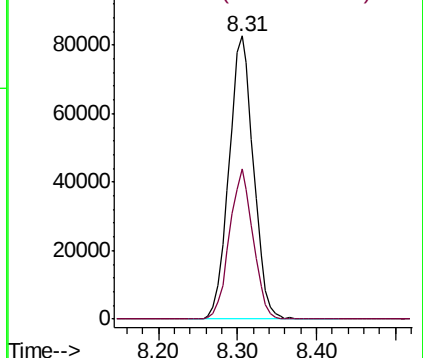
65 100

67 51.1 0.0 103.0



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: VW009155.D

Acq: 13 Mar 2019 14:56

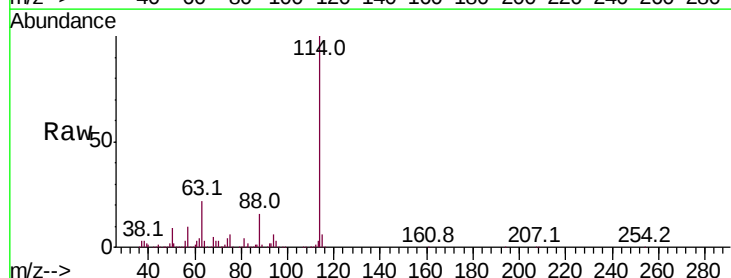
Tgt Ion: 114 Resp: 502670

Ion Ratio Lower Upper

114 100

63 21.8 0.0 41.2

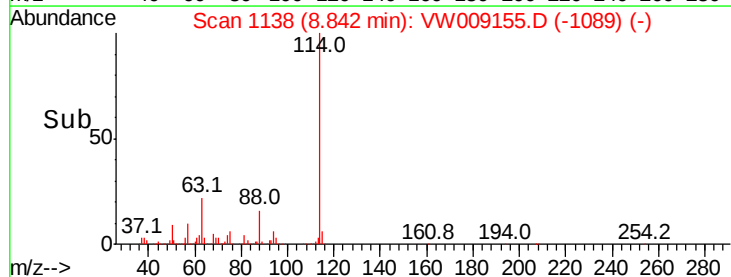
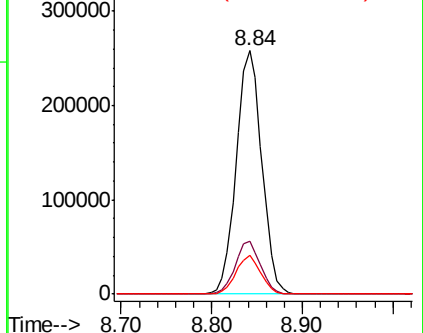
88 15.9 0.0 31.2

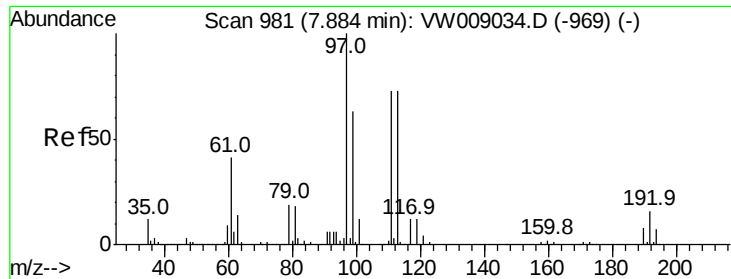


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

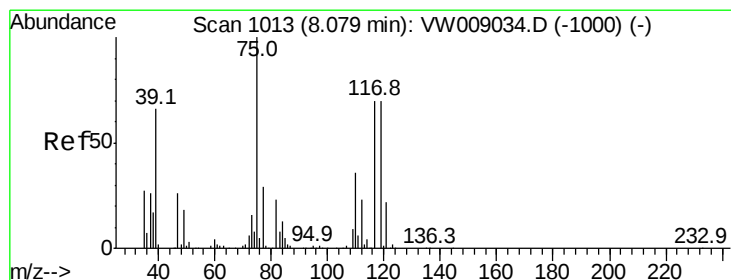
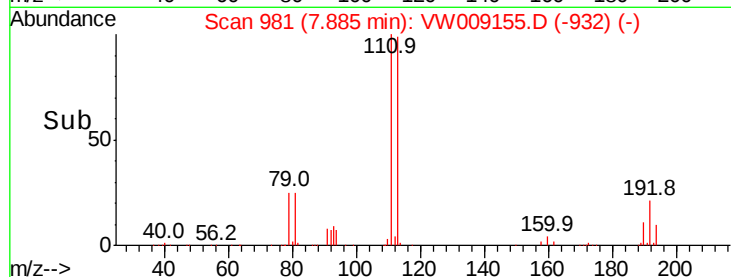
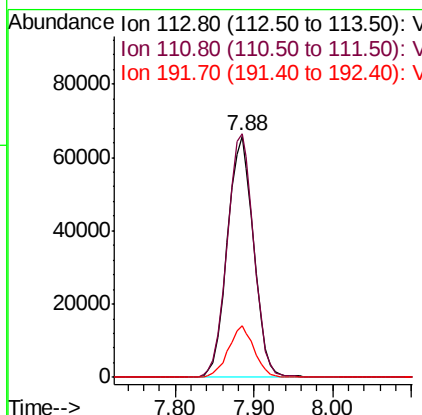
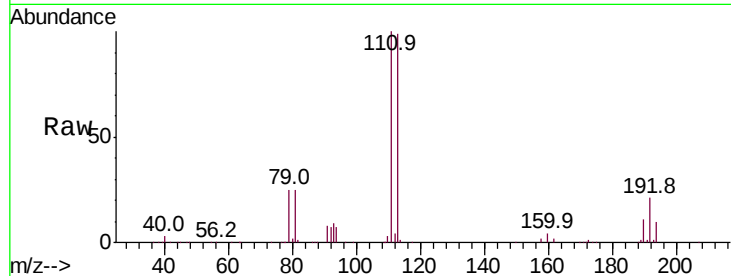




#35
 Dibromofluoromethane
 Concen: 50.305 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW009155.D
 Acq: 13 Mar 2019 14:56

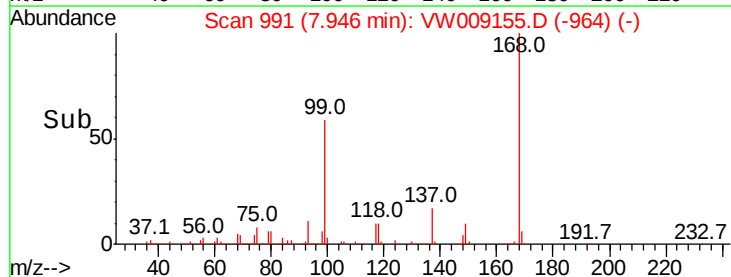
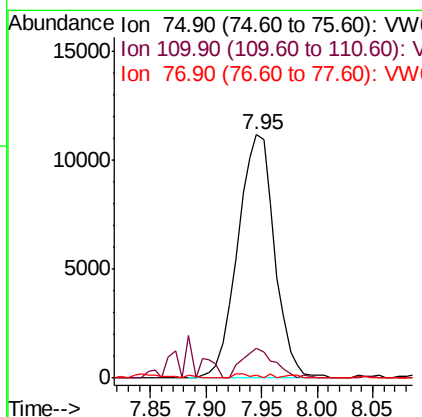
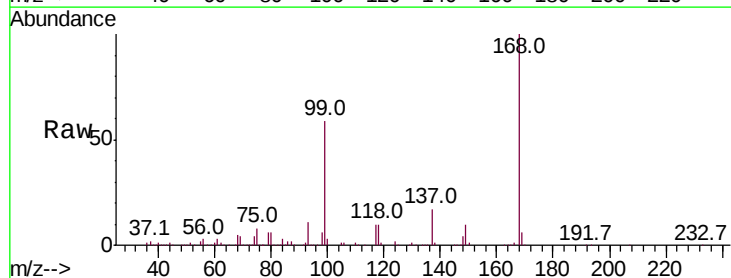
Instrument :
 MSVOA_W
 ClientSampleId :

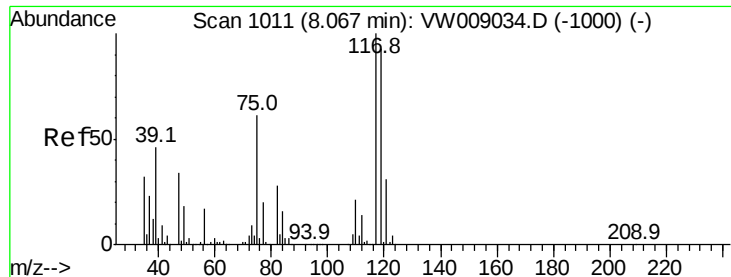
Tot Ion:113 Resp: 152250
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.0 121.4
 192 20.9 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 4.874 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW009155.D
 Acq: 13 Mar 2019 14:56

Tgt Ion: 75 Resp: 25617
 Ion Ratio Lower Upper
 75 100
 110 10.5 17.6 52.9#
 77 0.2 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.845 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW009155.D

Acq: 13 Mar 2019 14:56

Instrument :
MSVOA_W
ClientSampleId :

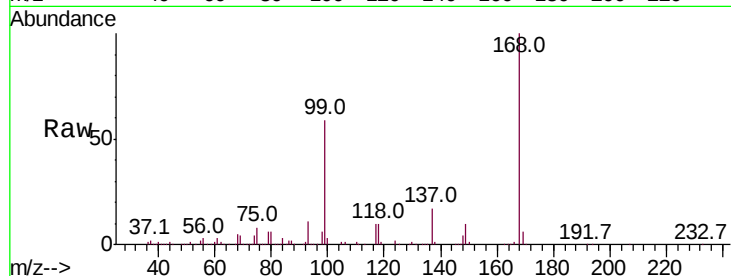
Tot Ion:117 Resp: 31726

Ion Ratio Lower Upper

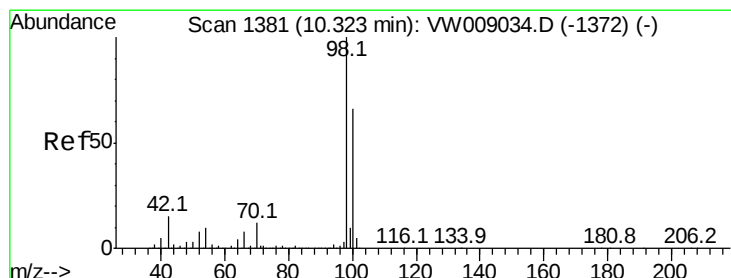
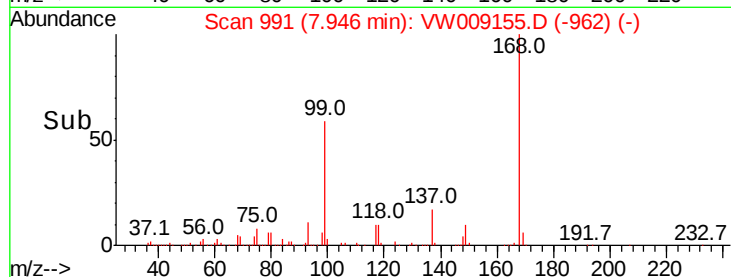
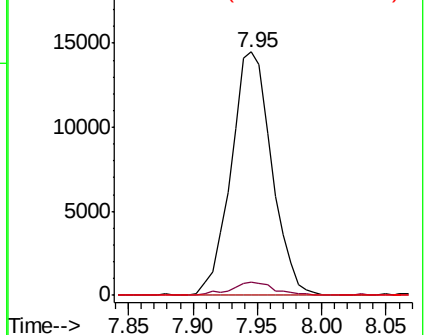
117 100

119 5.7 74.6 112.0#

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: 49.116 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009155.D

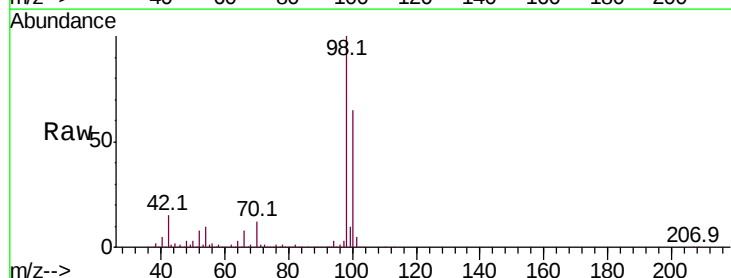
Acq: 13 Mar 2019 14:56

Tgt Ion: 98 Resp: 610531

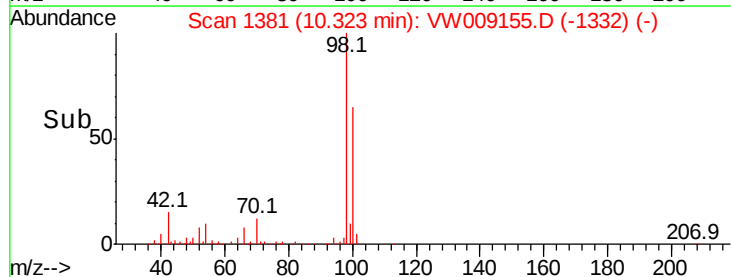
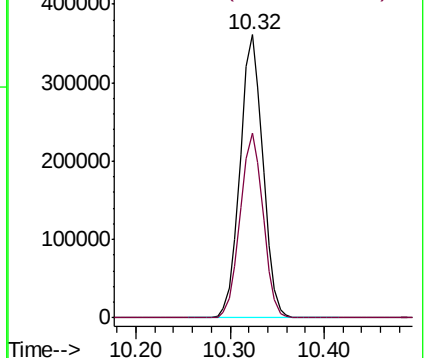
Ion Ratio Lower Upper

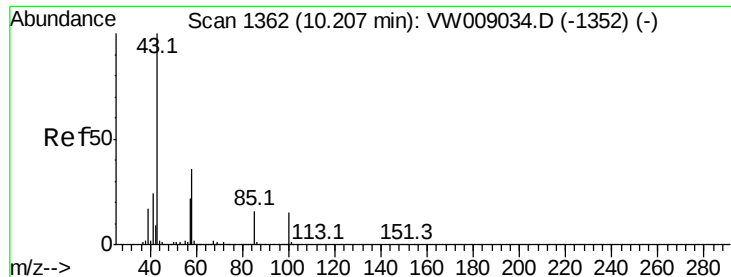
98 100

100 65.5 51.9 77.9



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





#51

4-Methyl-2-Pentanone

Concen: 2.635 ug/l

RT: 10.25 min Scan# 1369

Delta R.T. 0.04 min

Lab File: VW009155.D

Acq: 13 Mar 2019 14:56

Instrument :

MSVOA_W

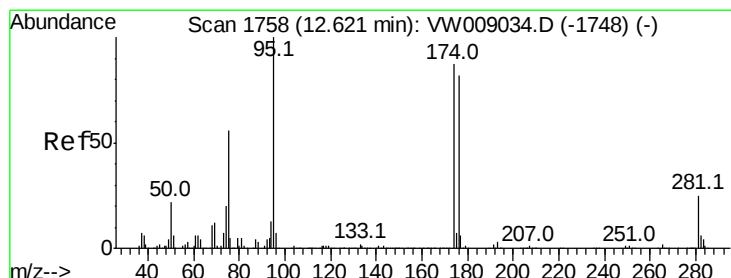
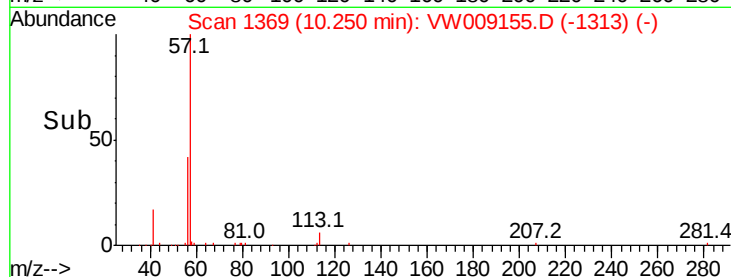
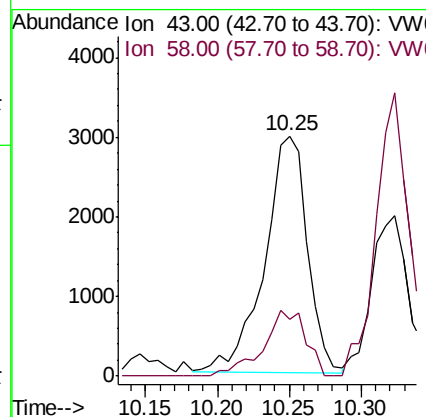
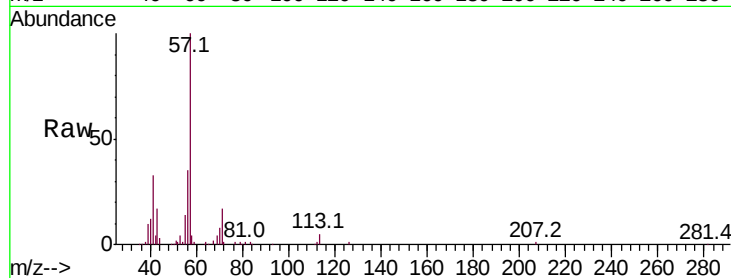
ClientSampleId :

Tot Ion: 43 Resp: 6152

Ion Ratio Lower Upper

43 100

58 27.7 28.8 43.2#



#62

4-Bromofluorobenzene

Concen: 41.042 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009155.D

Acq: 13 Mar 2019 14:56

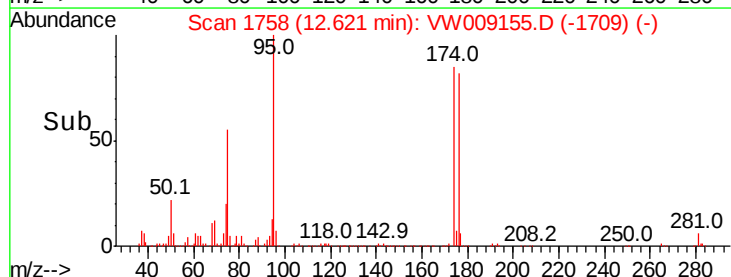
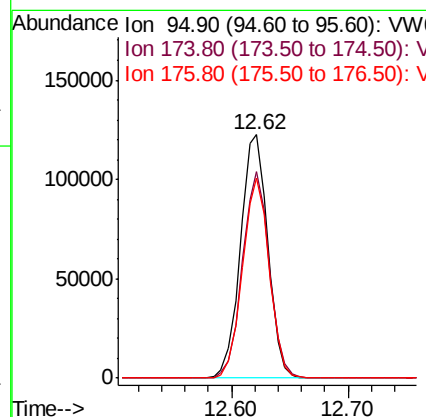
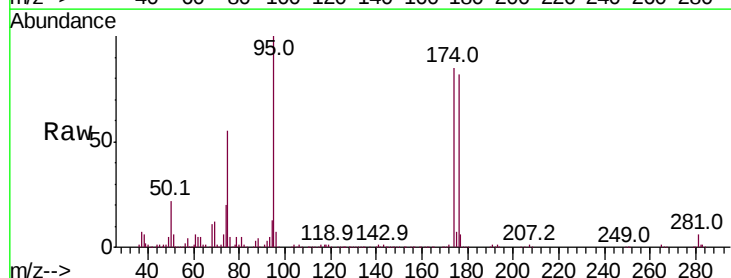
Tgt Ion: 95 Resp: 200831

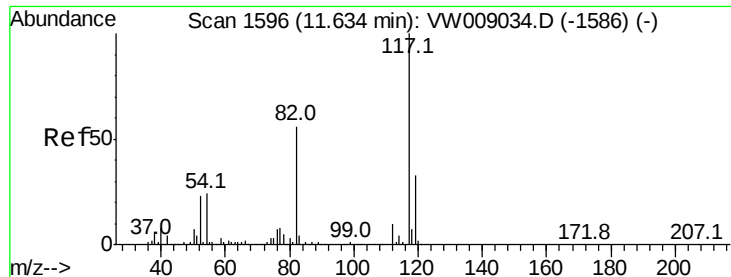
Ion Ratio Lower Upper

95 100

174 83.3 0.0 167.0

176 80.6 0.0 159.4

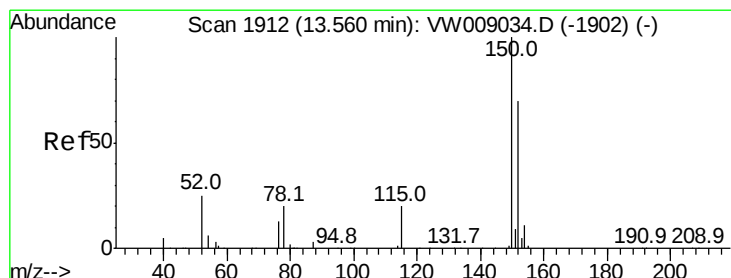
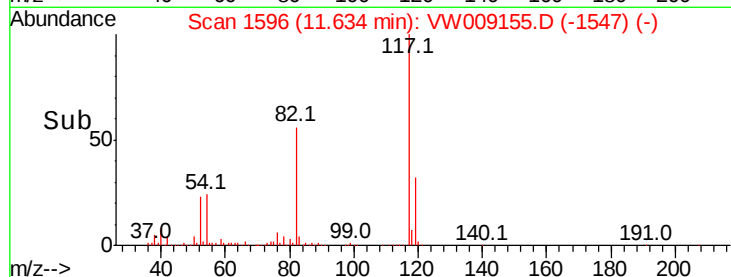
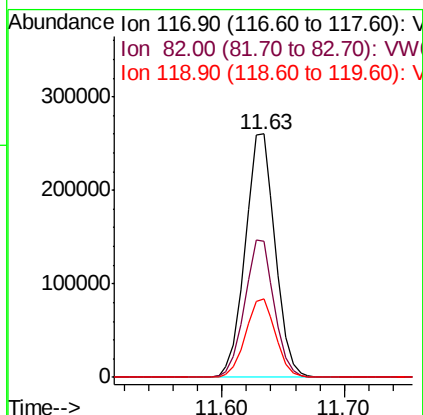
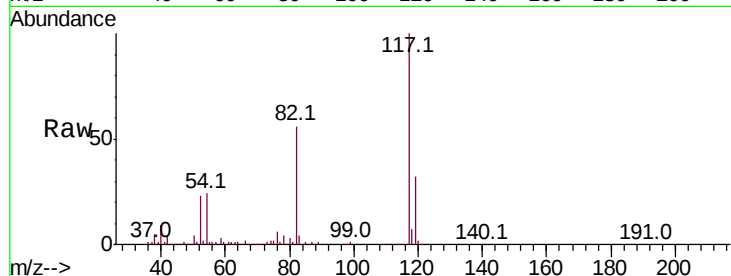




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009155.D
Acq: 13 Mar 2019 14:56

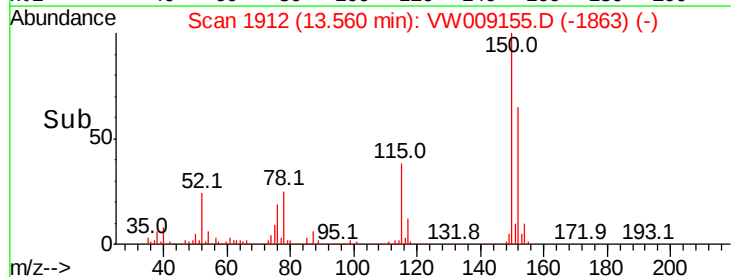
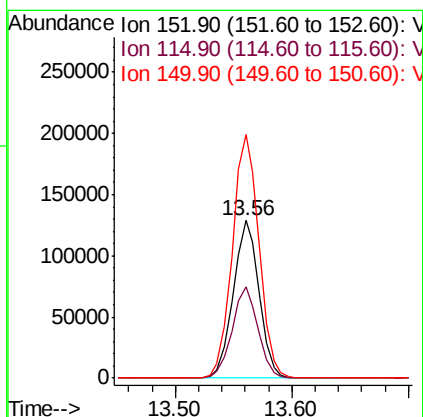
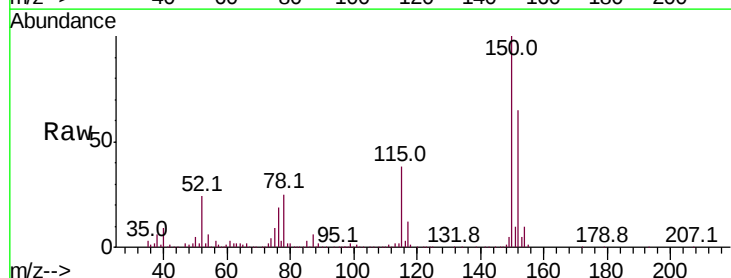
Instrument :
MSVOA_W
ClientSampleId :

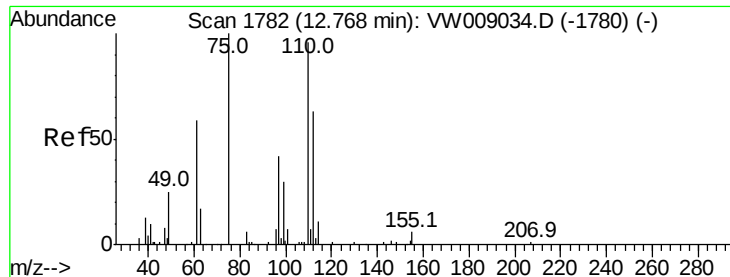
Tot Ion:117 Resp: 442676
Ion Ratio Lower Upper
117 100
82 56.1 45.0 67.6
119 32.3 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009155.D
Acq: 13 Mar 2019 14:56

Tgt Ion:152 Resp: 198567
Ion Ratio Lower Upper
152 100
115 58.2 28.9 86.7
150 157.9 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 70.340 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW009155.D

Acq: 13 Mar 2019 14:56

Instrument :

MSVOA_W

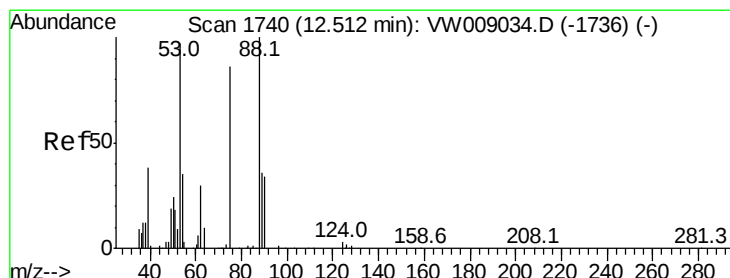
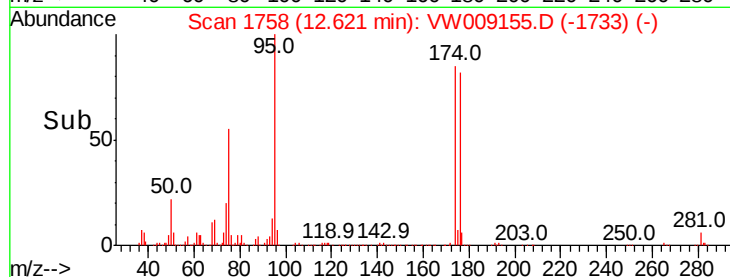
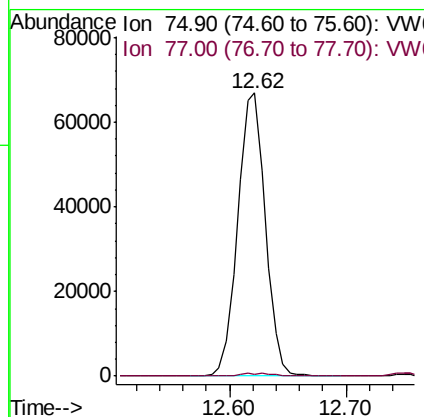
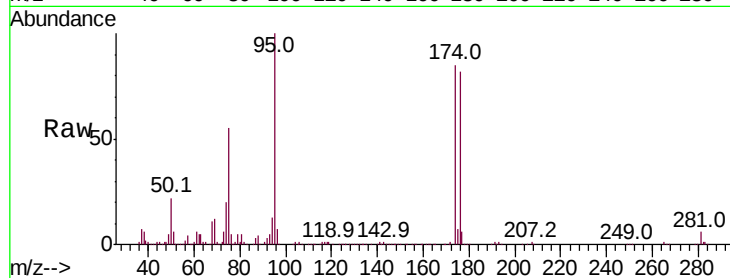
ClientSampleId :

Tot Ion: 75 Resp: 110352

Ion Ratio Lower Upper

75 100

77 1.2 186.7 560.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 157.331 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW009155.D

Acq: 13 Mar 2019 14:56

Tgt Ion: 75 Resp: 110352

Ion Ratio Lower Upper

75 100

53 0.2 90.5 135.7#

89 0.3 37.5 56.3#

