

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013203.D
 Acq On : 21 Sep 2019 00:55
 Operator : SY/VA
 Sample : K4918-10
 Misc : 4.71G/5ML/MSVOA W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 21 04:56:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	264389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	390859	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	312388	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	117594	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	102483	47.49	ug/l	0.00
Spiked Amount			Recovery	=	94.98%	
35) Dibromofluoromethane	7.88	113	104382	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
50) Toluene-d8	10.32	98	450167	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	
62) 4-Bromofluorobenzene	12.62	95	124616	40.55	ug/l	0.00
Spiked Amount			Recovery	=	81.10%	

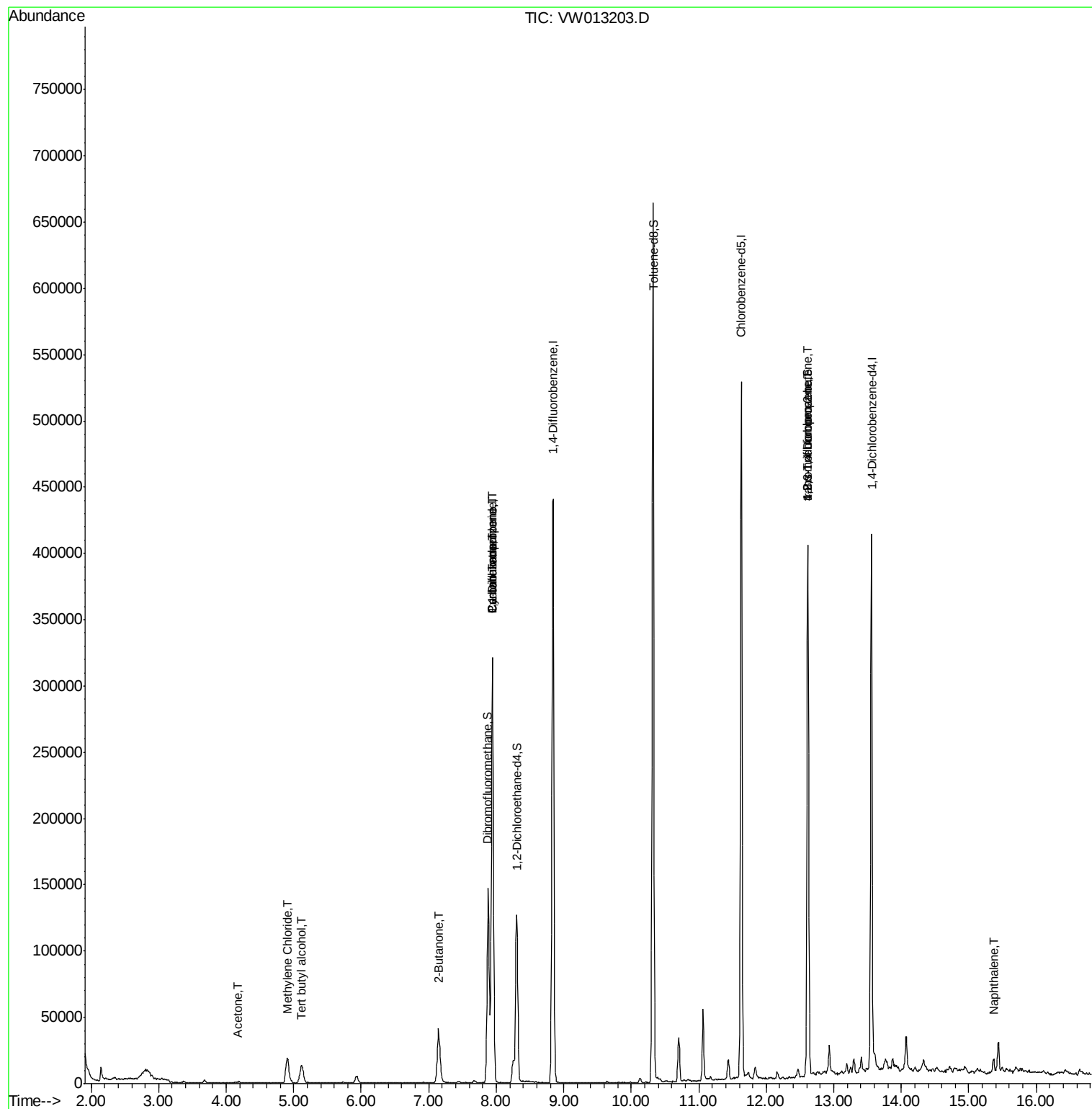
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	13133	77.576	ug/l #	73
16) Acetone	4.16	43	1412	2.902	ug/l #	45
20) Methylene Chloride	4.91	84	15235	3.415	ug/l	83
25) 2-Butanone	7.15	43	1998	2.735	ug/l	98
26) 2,2-Dichloropropane	7.15	77	3137	Below Cal	#	52
31) Cyclohexane	7.95	56	5076	1.085	ug/l #	13
36) 1,1-Dichloropropene	7.94	75	18312	4.837	ug/l #	49
38) Carbon Tetrachloride	7.95	117	22941	6.760	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	60808	58.553	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	60808	131.388	ug/l #	12
95) Naphthalene	15.37	128	8771	2.184	ug/l #	94

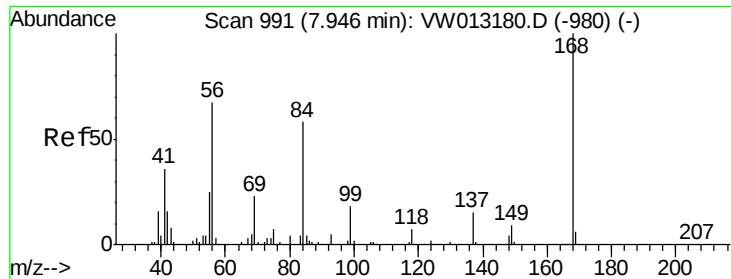
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Sep 20 15:58:08 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: VW013203.D

Acq: 21 Sep 2019 00:55

Instrument :

MSVOA_W

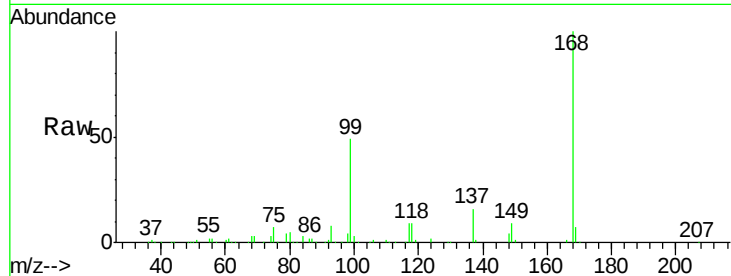
ClientSampleId :

Tot Ion:168 Resp: 264389

Ion Ratio Lower Upper

168 100

99 49.5 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

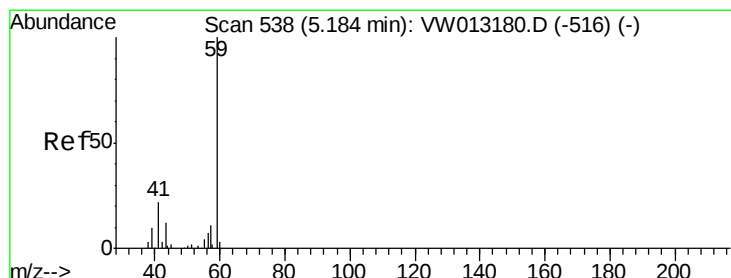
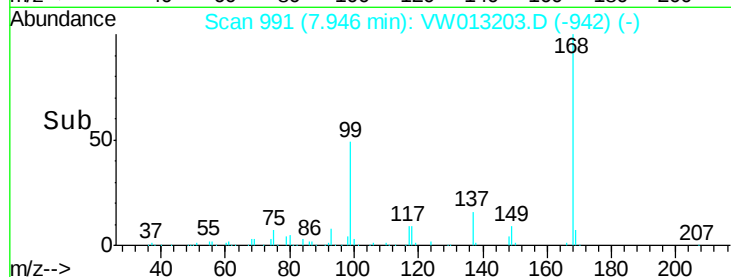
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 77.576 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.07 min

Lab File: VW013203.D

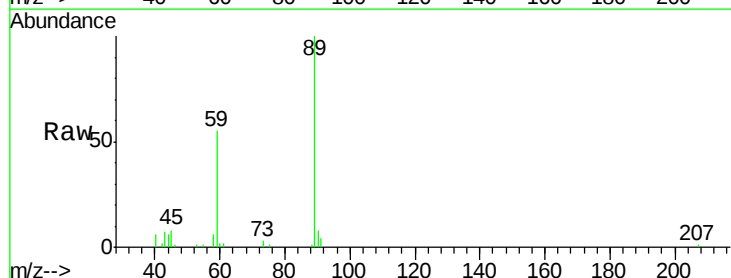
Acq: 21 Sep 2019 00:55

Tgt Ion: 59 Resp: 13133

Ion Ratio Lower Upper

59 100

57 0.3 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

4000

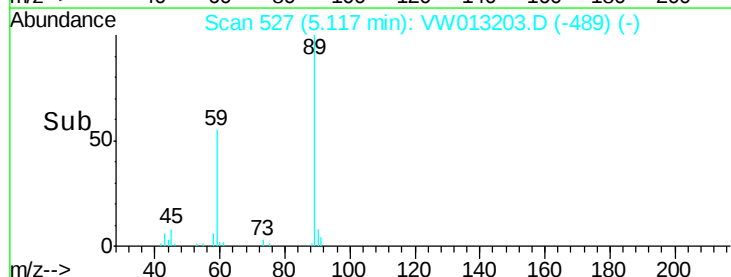
3000

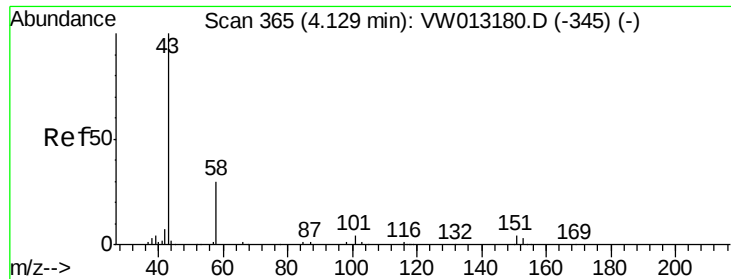
2000

1000

0

Time--> 5.00 5.10 5.20

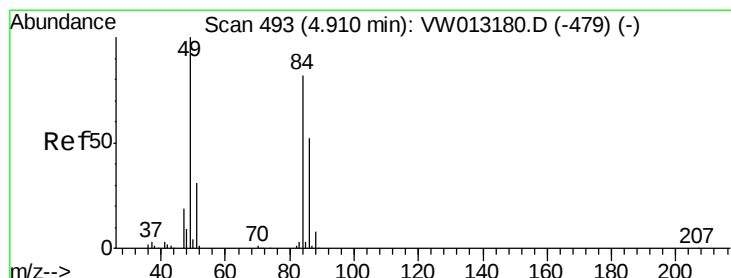
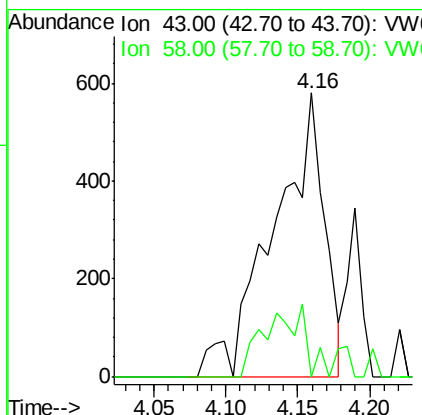
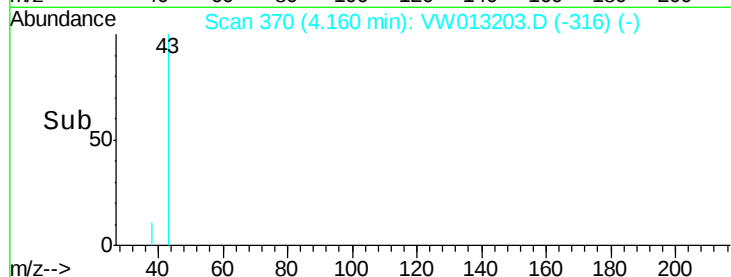
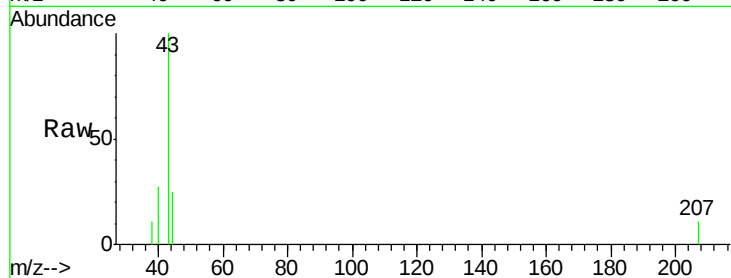




#16
Acetone
Concen: 2.902 ug/l
RT: 4.16 min Scan# 370
Delta R.T. 0.03 min
Lab File: VW013203.D
Acq: 21 Sep 2019 00:55

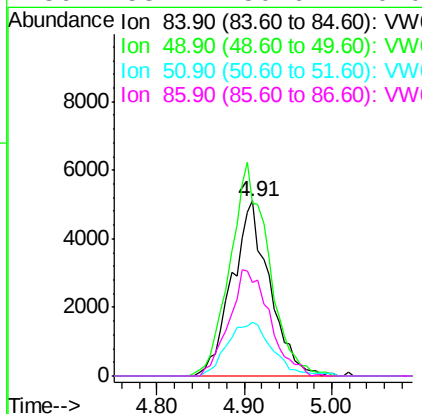
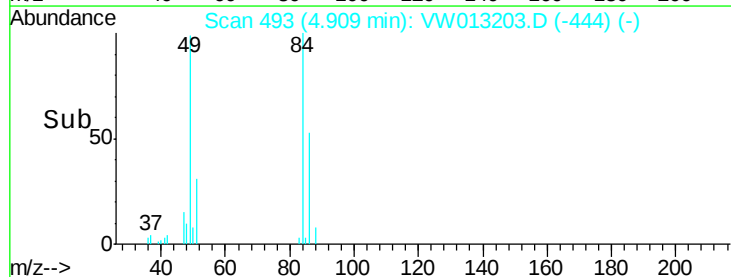
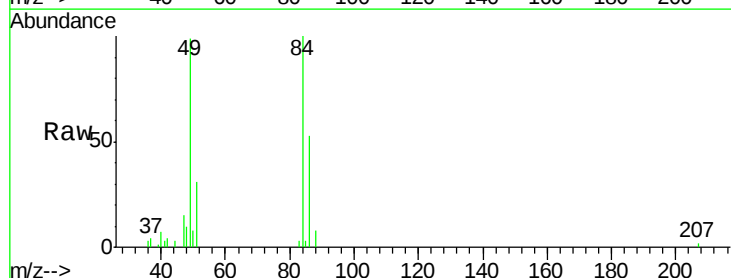
Instrument :
MSVOA_W
ClientSampleId :

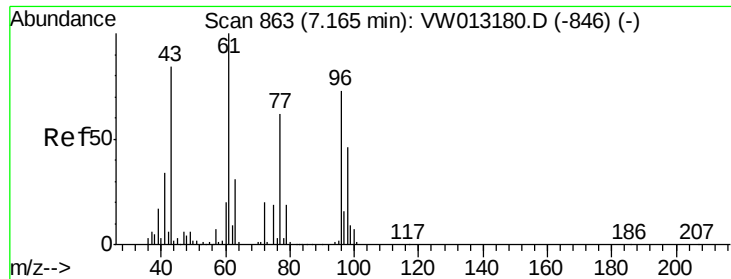
Tot Ion: 43 Resp: 1412
Ion Ratio Lower Upper
43 100
58 0.0 24.1 36.1#



#20
Methylene Chloride
Concen: 3.415 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013203.D
Acq: 21 Sep 2019 00:55

Tgt Ion: 84 Resp: 15235
Ion Ratio Lower Upper
84 100
49 98.6 97.6 146.4
51 30.5 30.2 45.2
86 53.2 50.6 76.0





#25

2-Butanone

Concen: 2.735 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW013203.D

Acq: 21 Sep 2019 00:55

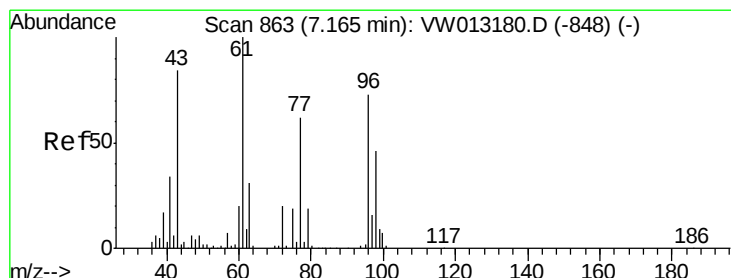
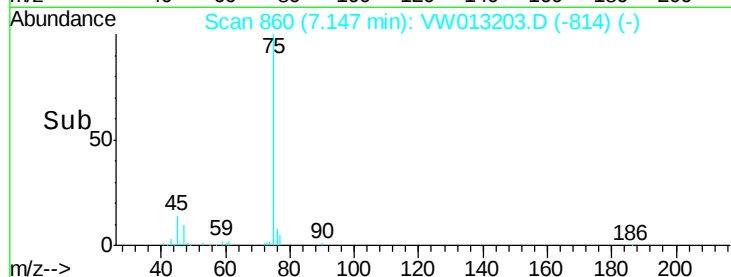
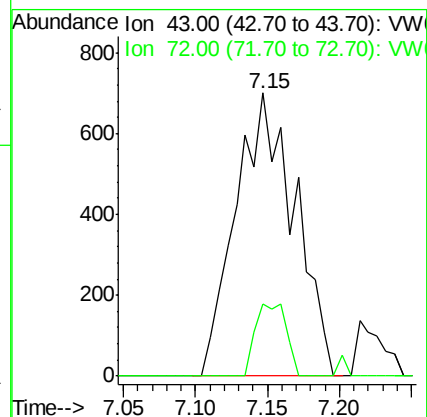
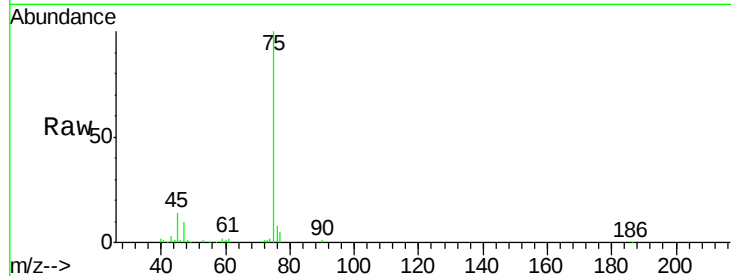
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 1998

Ion Ratio Lower Upper

43 100

72 25.4 19.4 29.0



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW013203.D

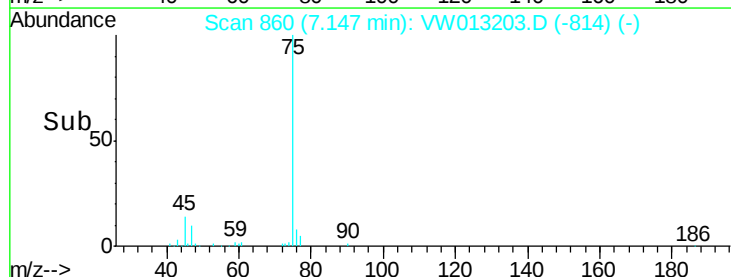
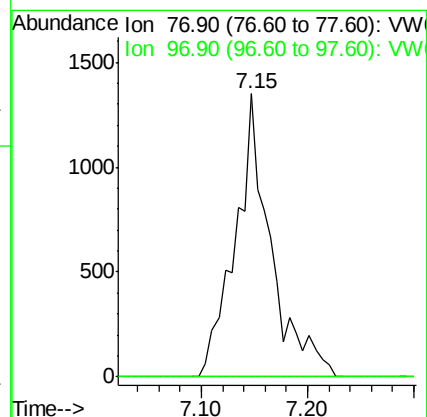
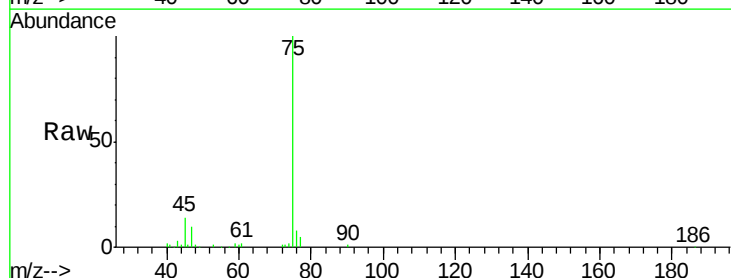
Acq: 21 Sep 2019 00:55

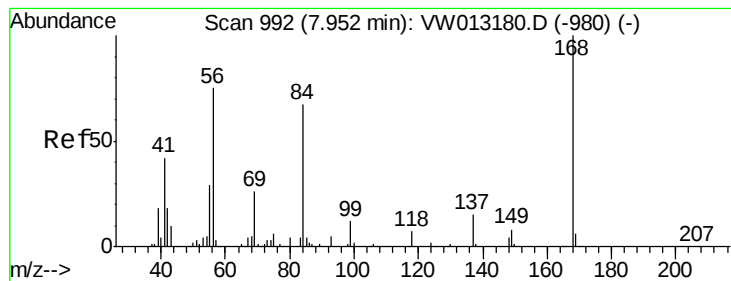
Tgt Ion: 77 Resp: 3137

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.4#





#31

Cyclohexane

Concen: 1.085 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW013203.D

Acq: 21 Sep 2019 00:55

Instrument :
MSVOA_W
ClientSampled :

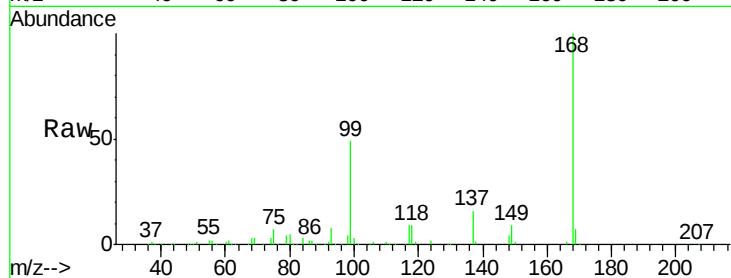
Tot Ion: 56 Resp: 5076

Ion Ratio Lower Upper

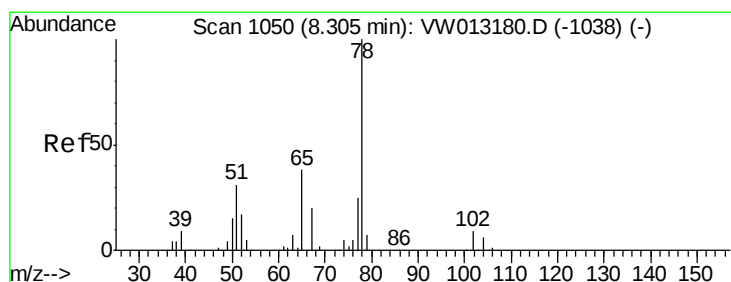
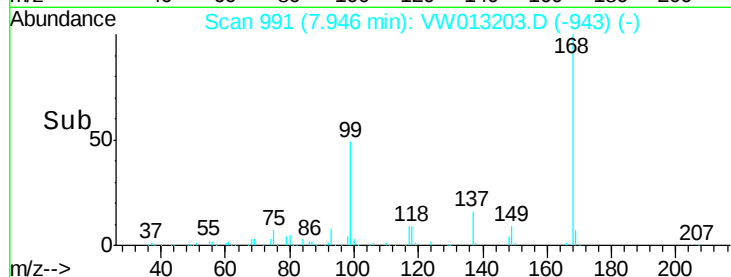
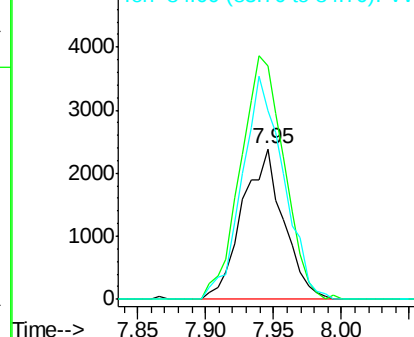
56 100

69 155.1 27.2 40.8#

84 125.0 70.8 106.2#



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: 47.494 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013203.D

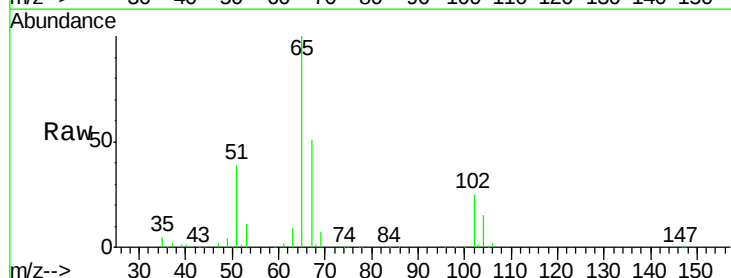
Acq: 21 Sep 2019 00:55

Tgt Ion: 65 Resp: 102483

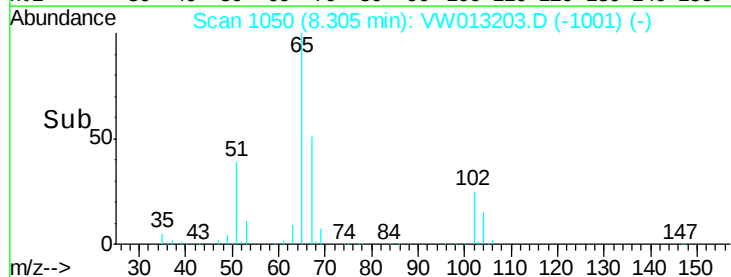
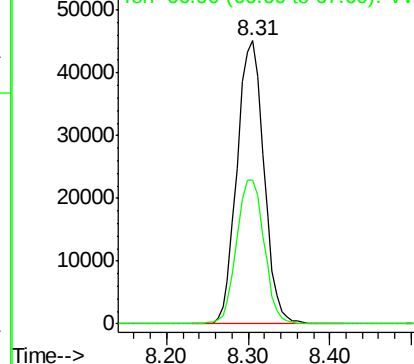
Ion Ratio Lower Upper

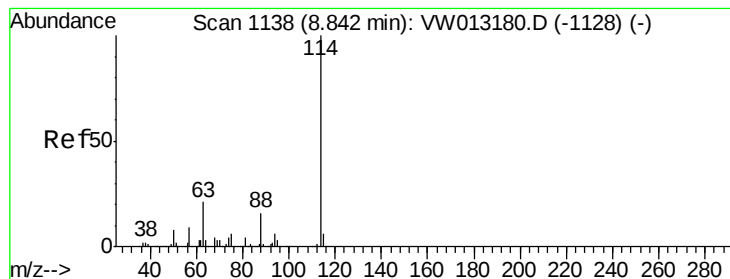
65 100

67 51.9 0.0 106.2



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: VW013203.D

Acq: 21 Sep 2019 00:55

Instrument :

MSVOA_W

ClientSampleId :

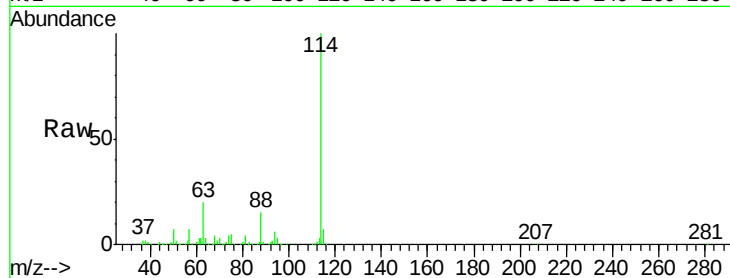
Tot Ion:114 Resp: 390859

Ion Ratio Lower Upper

114 100

63 19.6 0.0 41.4

88 14.9 0.0 32.0



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

250000

200000

150000

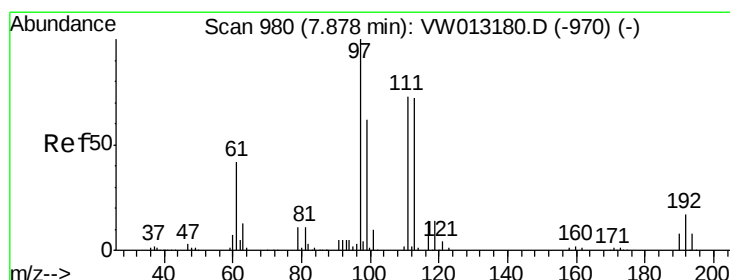
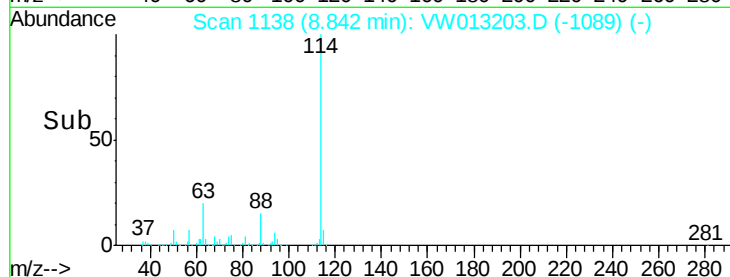
100000

50000

0

8.75 8.80 8.85 8.90 8.95

Time-->



#35

Dibromofluoromethane

Concen: 48.556 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013203.D

Acq: 21 Sep 2019 00:55

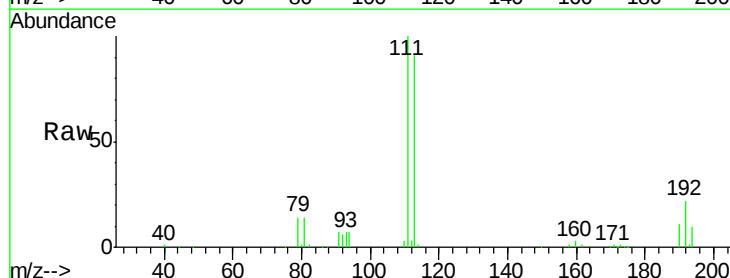
Tgt Ion:113 Resp: 104382

Ion Ratio Lower Upper

113 100

111 105.9 81.9 122.9

192 24.5 19.1 28.7



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

60000

50000

40000

30000

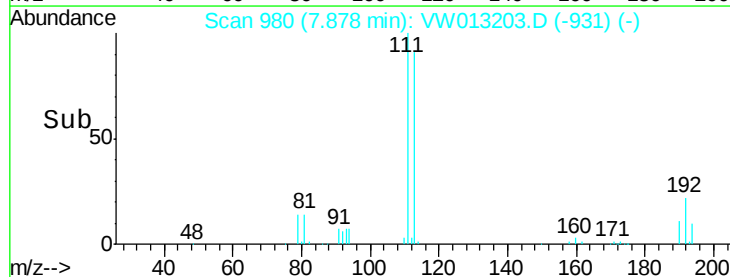
20000

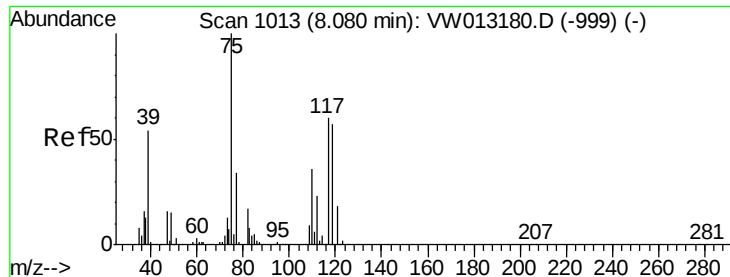
10000

0

7.80 7.90 8.00

Time-->





#36

1,1-Dichloropropene

Concen: 4.837 ug/l

RT: 7.94 min Scan# 990

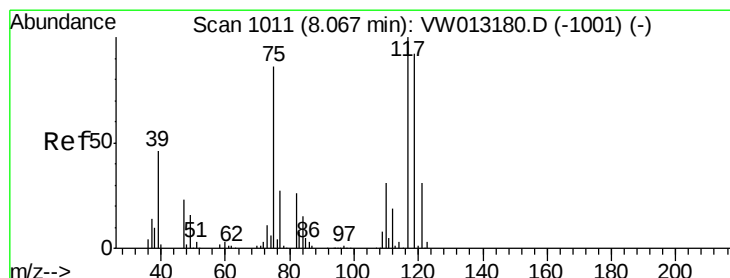
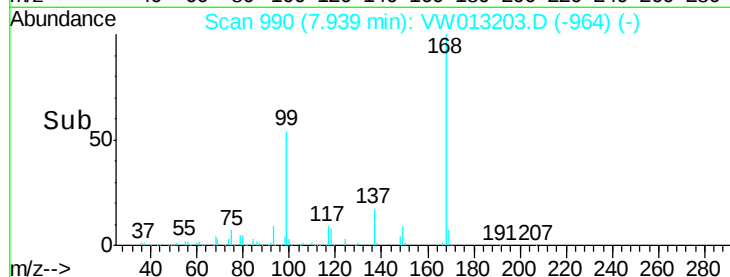
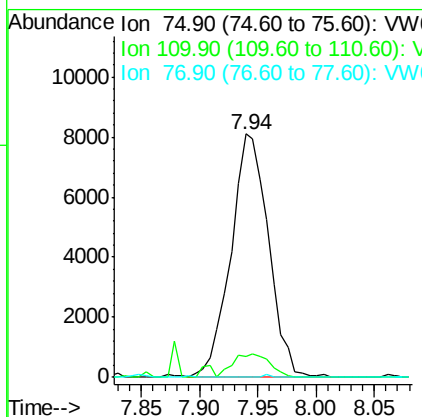
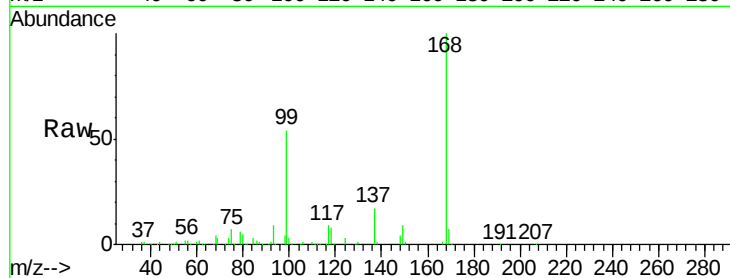
Delta R.T. -0.14 min

Lab File: VW013203.D

Acq: 21 Sep 2019 00:55

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	75	Resp:	18312
Ion	Ratio	Lower	Upper
75	100		
110	9.5	18.1	54.3#
77	0.2	25.8	38.6#



#38

Carbon Tetrachloride

Concen: 6.760 ug/l

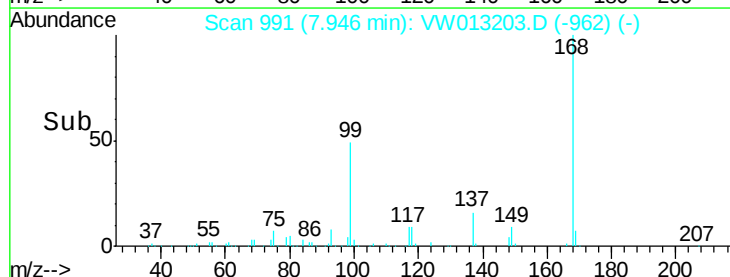
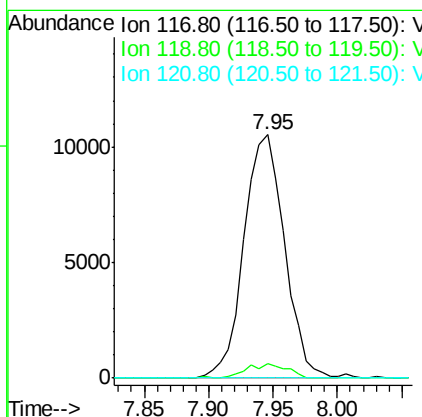
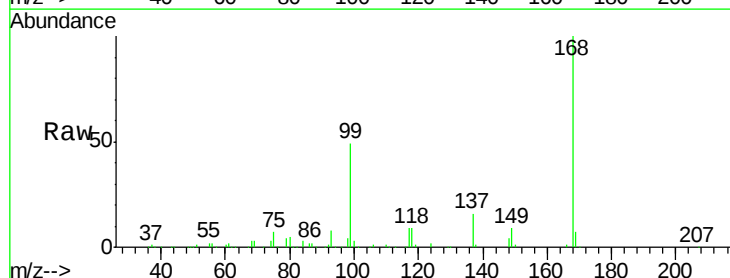
RT: 7.95 min Scan# 991

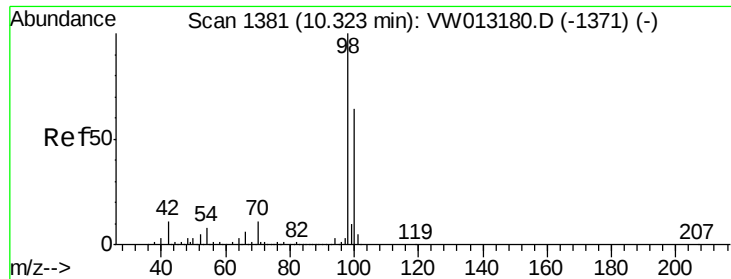
Delta R.T. -0.12 min

Lab File: VW013203.D

Acq: 21 Sep 2019 00:55

Tgt Ion:	117	Resp:	22941
Ion	Ratio	Lower	Upper
117	100		
119	6.1	73.5	110.3#
121	0.0	25.0	37.6#





#50

Toluene-d8

Concen: 50.036 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013203.D

Acq: 21 Sep 2019 00:55

Instrument :

MSVOA_W

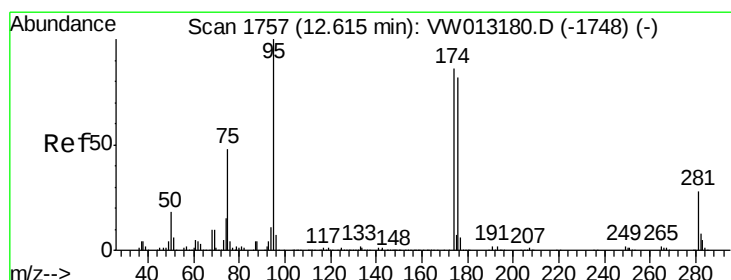
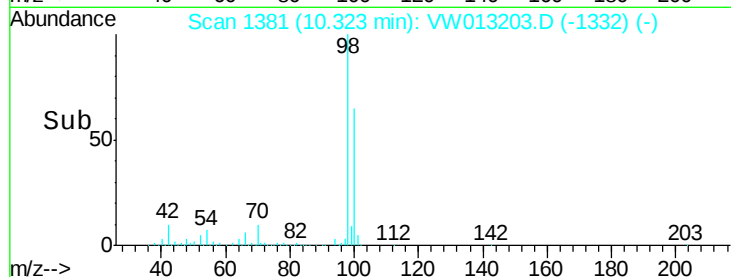
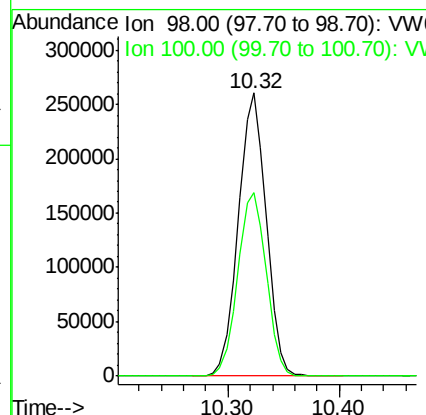
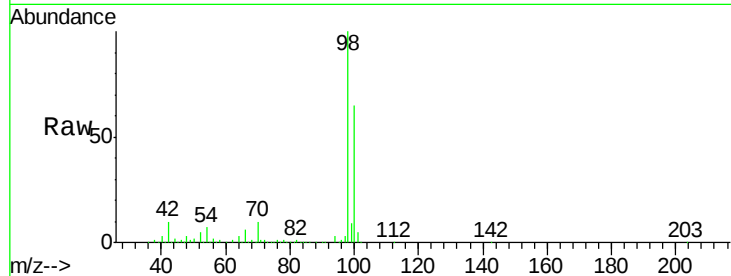
ClientSampleId :

Tot Ion: 98 Resp: 450167

Ion Ratio Lower Upper

98 100

100 66.3 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 40.549 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013203.D

Acq: 21 Sep 2019 00:55

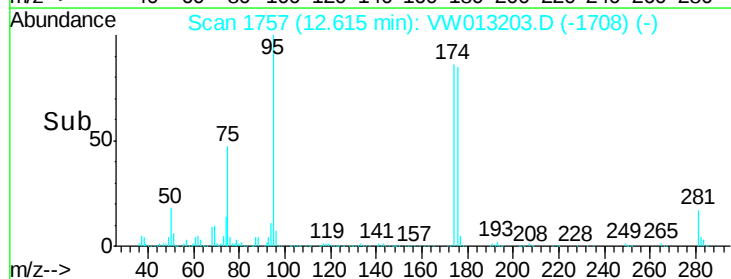
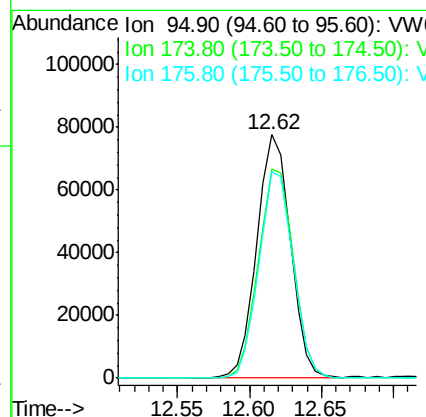
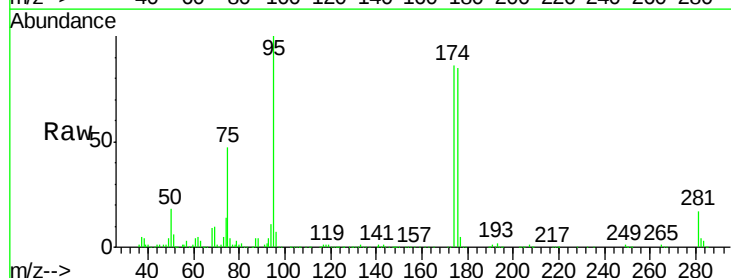
Tgt Ion: 95 Resp: 124616

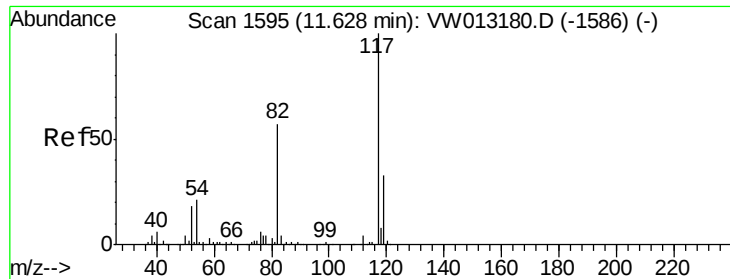
Ion Ratio Lower Upper

95 100

174 90.2 0.0 178.4

176 86.8 0.0 172.2

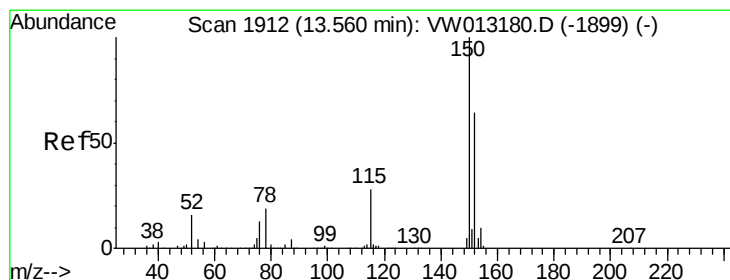
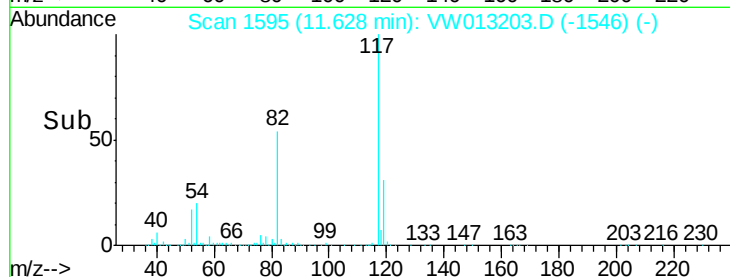
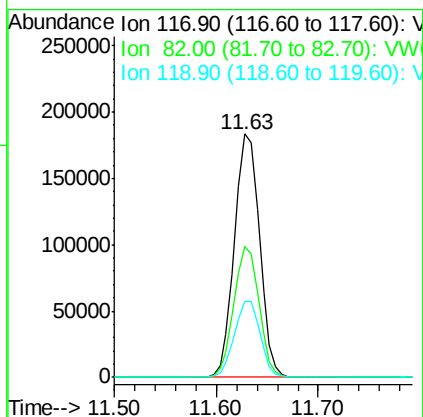
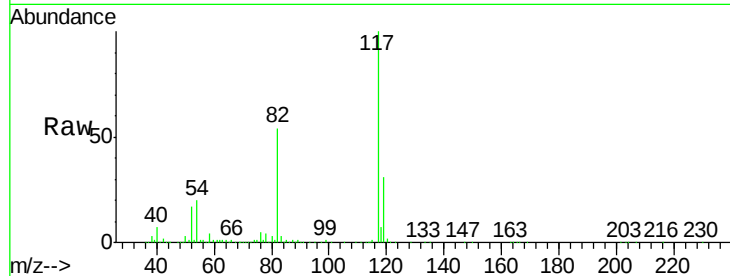




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013203.D
Acq: 21 Sep 2019 00:55

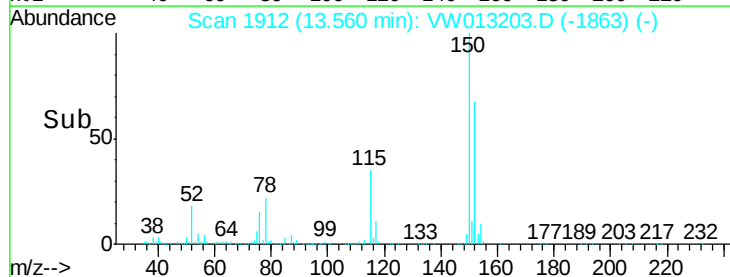
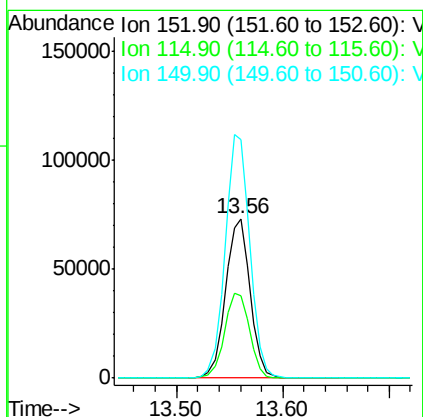
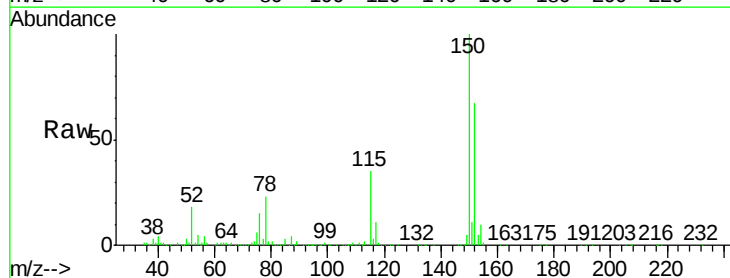
Instrument :
MSVOA_W
ClientSampleId :

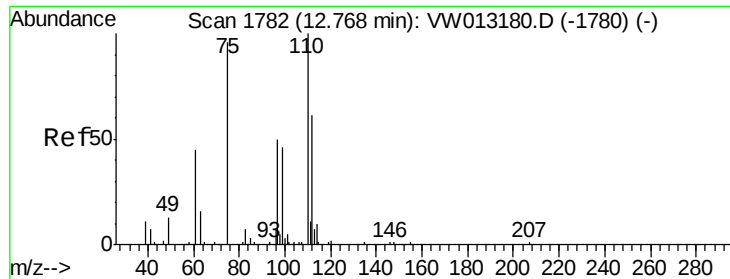
Tot Ion:117 Resp: 312388
Ion Ratio Lower Upper
117 100
82 53.7 45.9 68.9
119 30.8 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013203.D
Acq: 21 Sep 2019 00:55

Tgt Ion:152 Resp: 117594
Ion Ratio Lower Upper
152 100
115 54.6 27.3 81.9
150 153.9 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 58.553 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013203.D

Acq: 21 Sep 2019 00:55

Instrument :

MSVOA_W

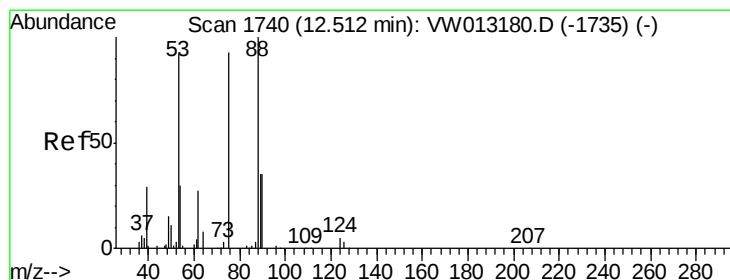
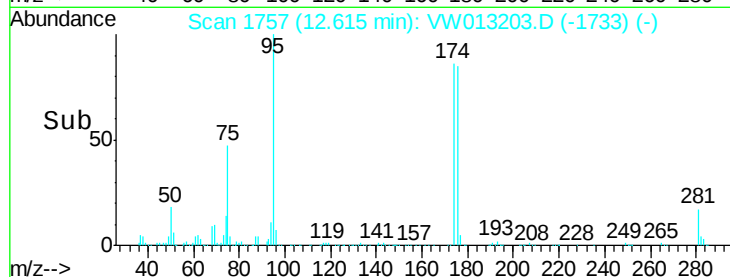
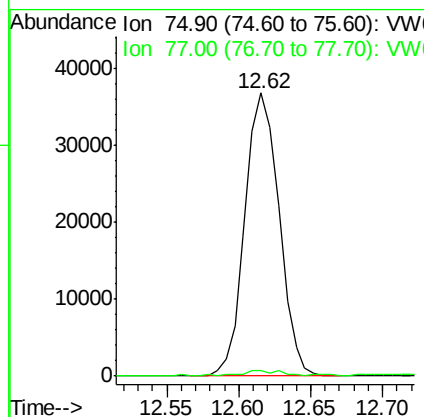
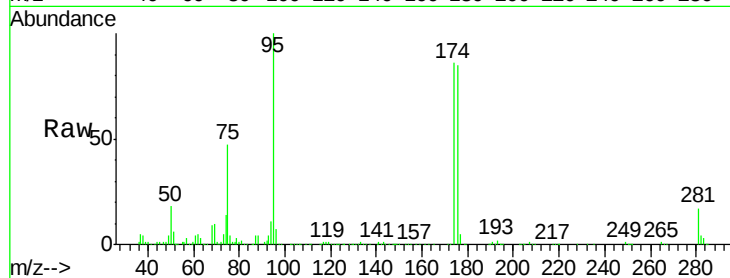
ClientSampled :

Tot Ion: 75 Resp: 60808

Ion Ratio Lower Upper

75 100

77 2.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 131.388 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013203.D

Acq: 21 Sep 2019 00:55

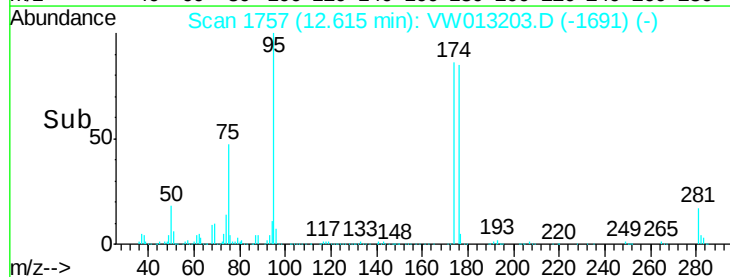
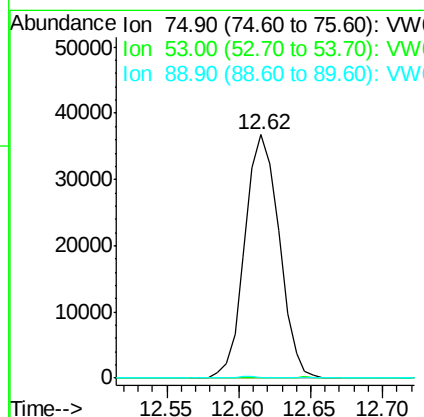
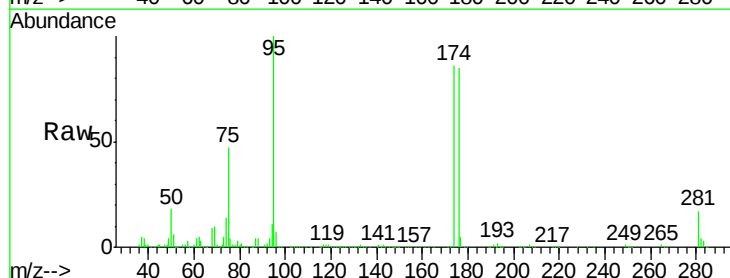
Tgt Ion: 75 Resp: 60808

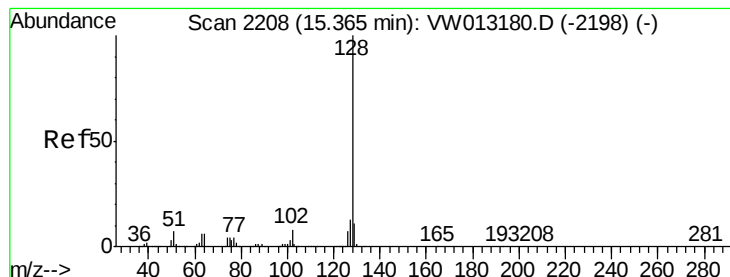
Ion Ratio Lower Upper

75 100

53 0.1 76.6 114.8#

89 0.3 33.5 50.3#





#95

Naphthalene

Concen: 2.184 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW013203.D

Acq: 21 Sep 2019 00:55

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:128 Resp: 8771

Ion Ratio Lower Upper

128 100

127 13.8 10.6 15.8

129 15.4 8.7 13.1#

