

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW093019\
 Data File : VW013336.D
 Acq On : 30 Sep 2019 16:35
 Operator : SY/VA
 Sample : K5083-05
 Misc : 5.02G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 30 18:07:58 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	40072	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	55492	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	45949	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	13044	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	17941	54.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.72%	
35) Dibromofluoromethane	7.89	113	17409	57.04	ug/l	0.01
Spiked Amount	50.000		Recovery	=	114.08%	
50) Toluene-d8	10.32	98	63370	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
62) 4-Bromofluorobenzene	12.62	95	17416	39.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.84%	

Target Compounds

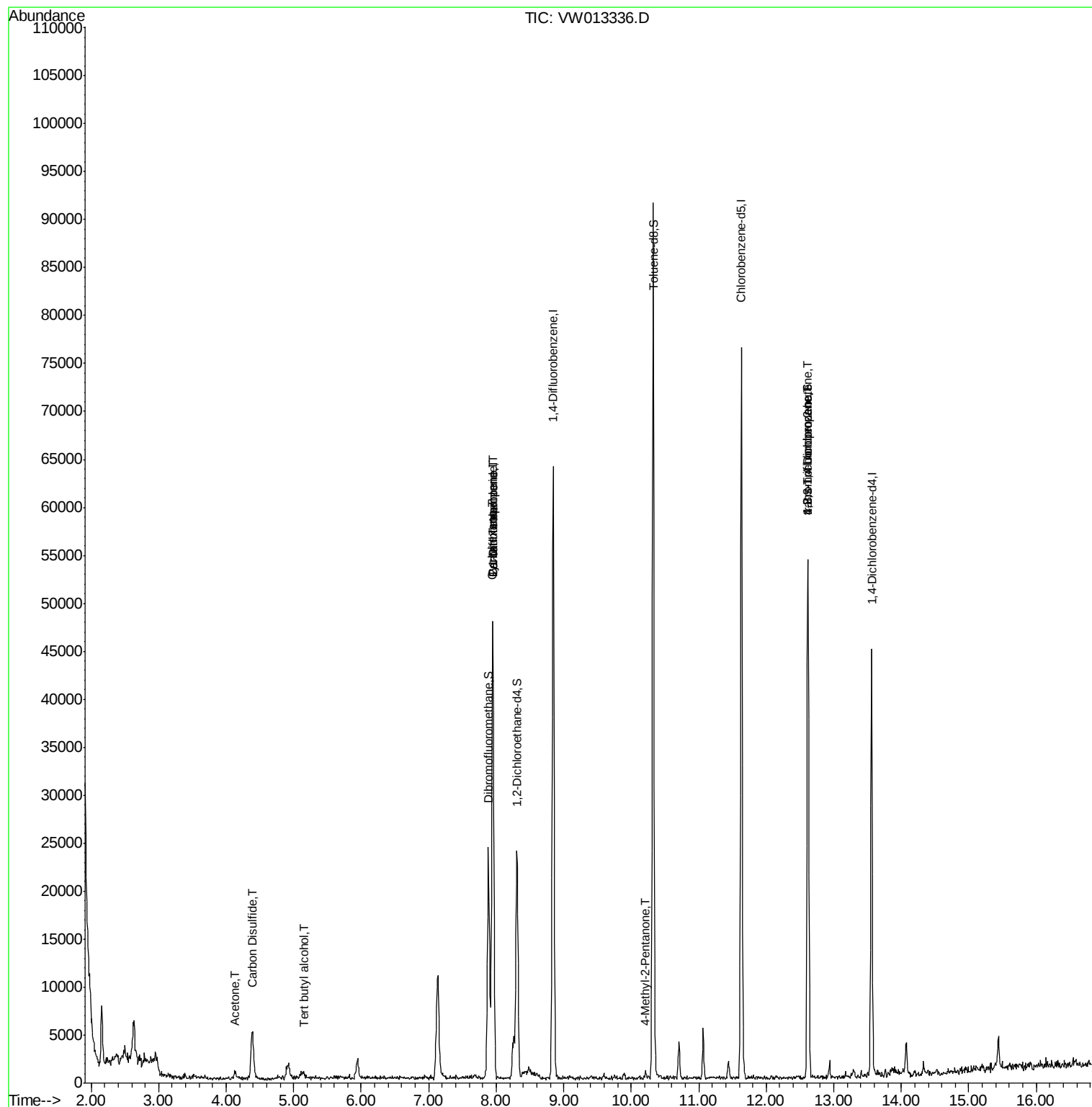
						Qvalue
11) Tert butyl alcohol	5.16	59	532	13.015	ug/l #	73
16) Acetone	4.12	43	1481	20.081	ug/l #	75
17) Carbon Disulfide	4.39	76	7283	6.766	ug/l #	91
26) 2,2-Dichloropropane	7.13	77	863	Below Cal	#	52
31) Cyclohexane	7.94	56	751	1.059	ug/l #	43
36) 1,1-Dichloropropene	7.95	75	2753	5.122	ug/l #	47
38) Carbon Tetrachloride	7.95	117	3450	7.160	ug/l #	18
51) 4-Methyl-2-Pentanone	10.21	43	504	2.296	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	8083	70.168	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	8083	157.450	ug/l #	12

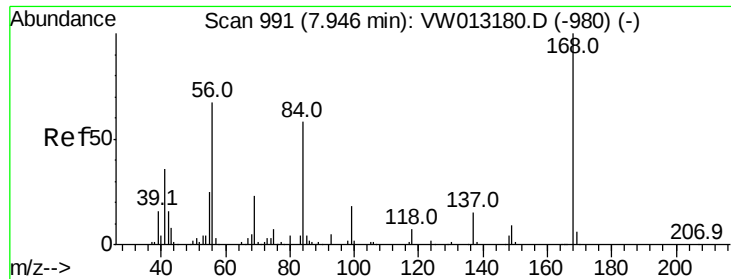
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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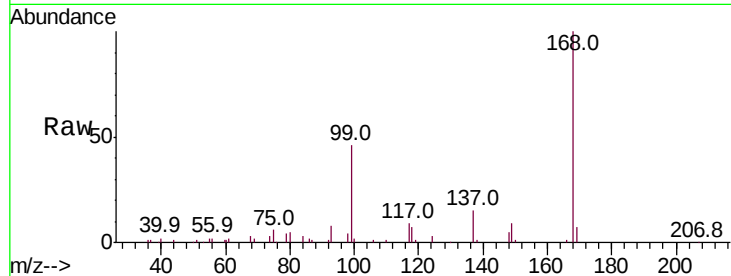


#1

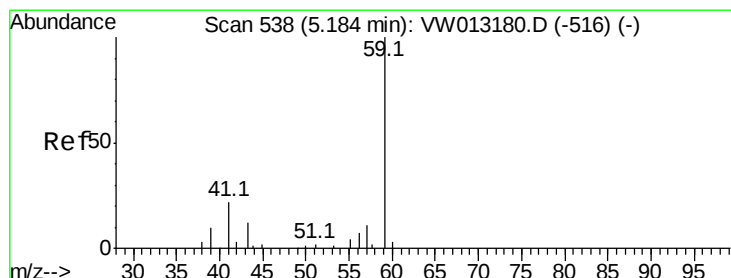
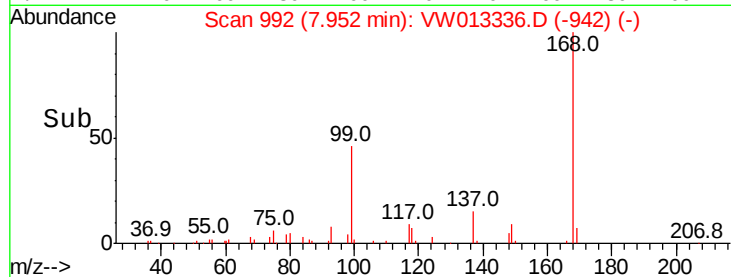
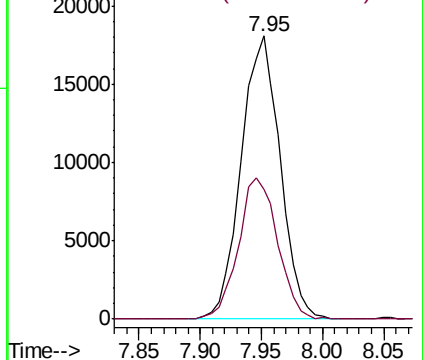
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. 0.01 min
 Lab File: VW013336.D
 Acq: 30 Sep 2019 16:35

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:168 Resp: 40072
 Ion Ratio Lower Upper
 168 100
 99 46.1 40.2 60.4



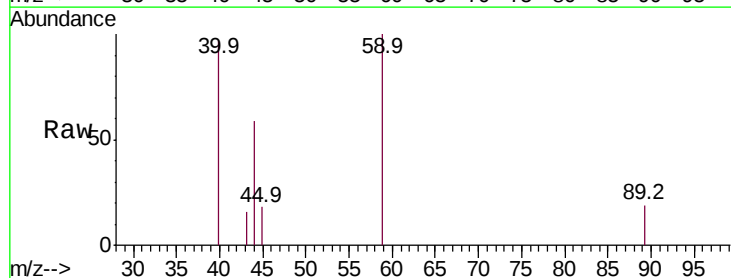
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.90 (98.60 to 99.60): VW



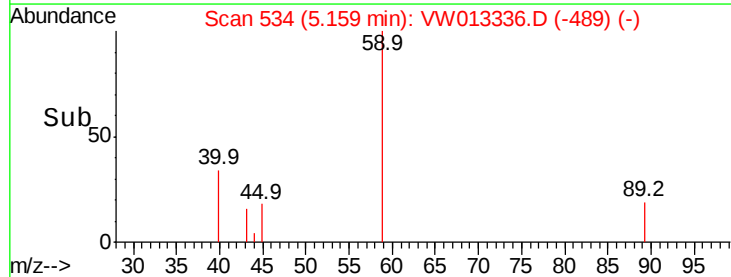
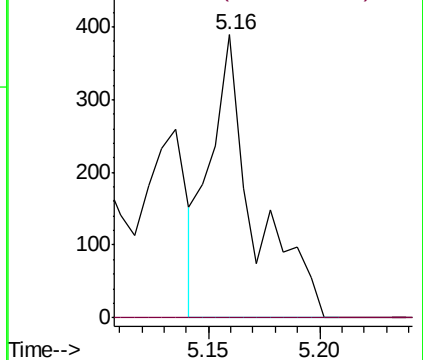
#11

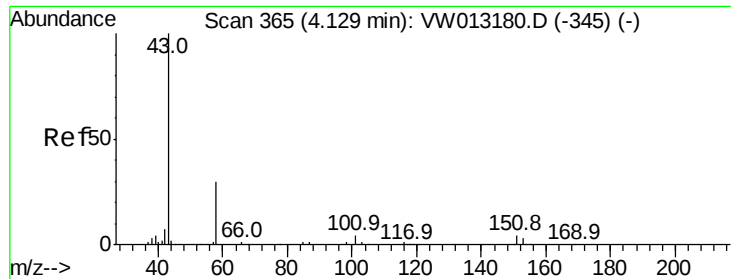
Tert butyl alcohol
 Concen: 13.015 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.02 min
 Lab File: VW013336.D
 Acq: 30 Sep 2019 16:35

Tgt Ion: 59 Resp: 532
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW
 Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 20.081 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW013336.D

Acq: 30 Sep 2019 16:35

Instrument :

MSVOA_W

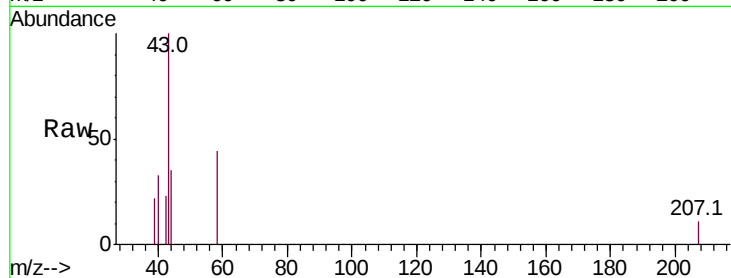
ClientSampleId :

Tot Ion: 43 Resp: 1481

Ion Ratio Lower Upper

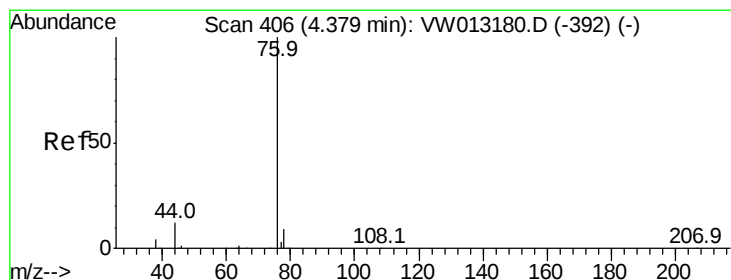
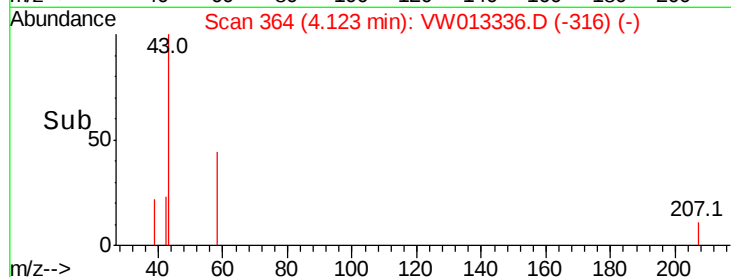
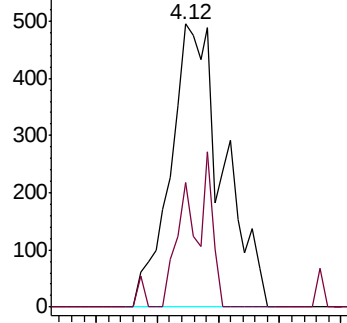
43 100

58 43.8 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#17

Carbon Disulfide

Concen: 6.766 ug/l

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW013336.D

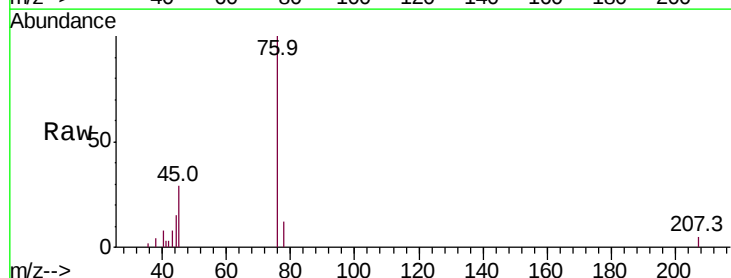
Acq: 30 Sep 2019 16:35

Tgt Ion: 76 Resp: 7283

Ion Ratio Lower Upper

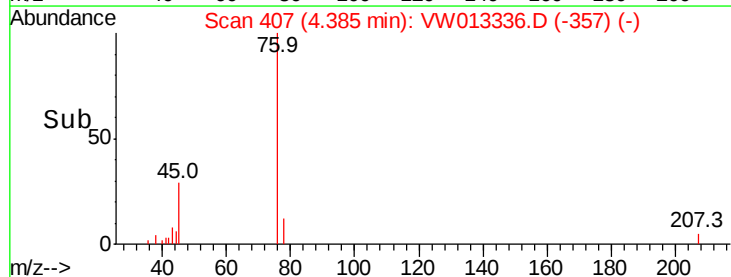
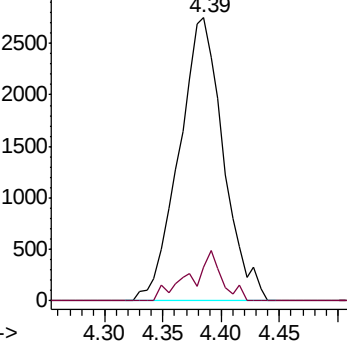
76 100

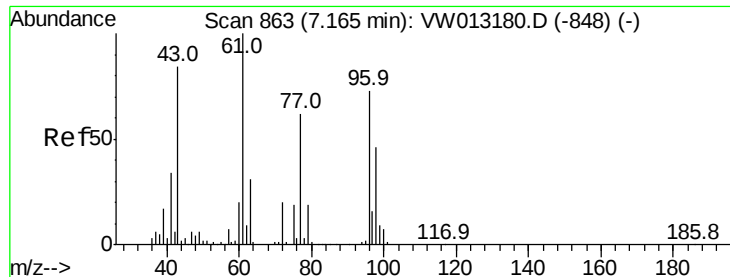
78 11.9 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.13 min Scan# 857

Delta R.T. -0.04 min

Lab File: VW013336.D

Acq: 30 Sep 2019 16:35

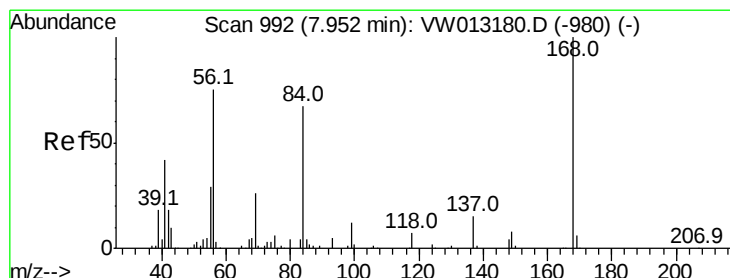
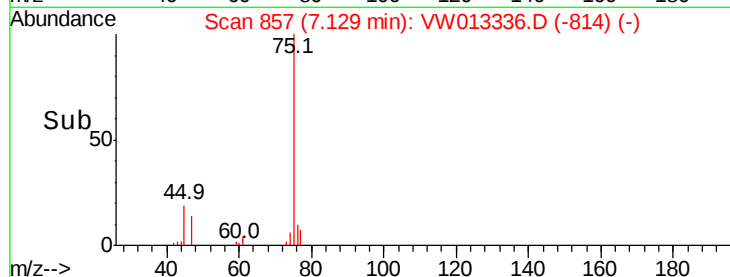
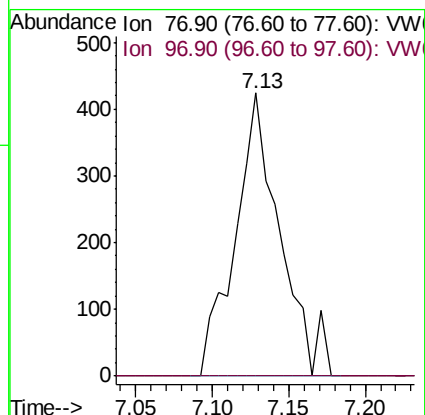
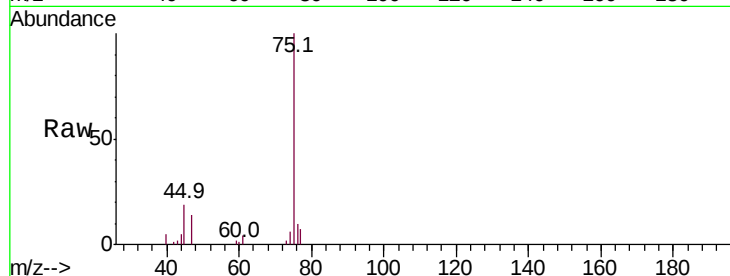
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 77 Resp: 863

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.4#



#31

Cyclohexane

Concen: 1.059 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW013336.D

Acq: 30 Sep 2019 16:35

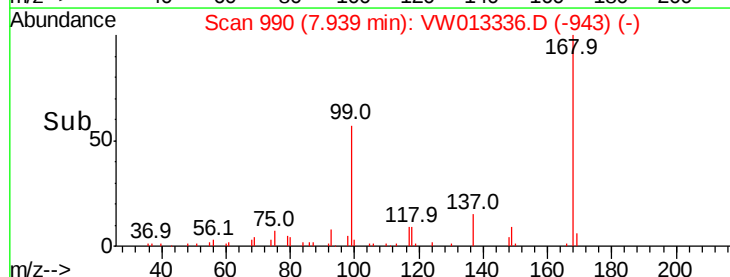
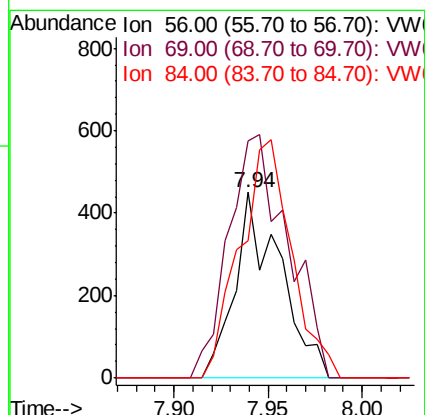
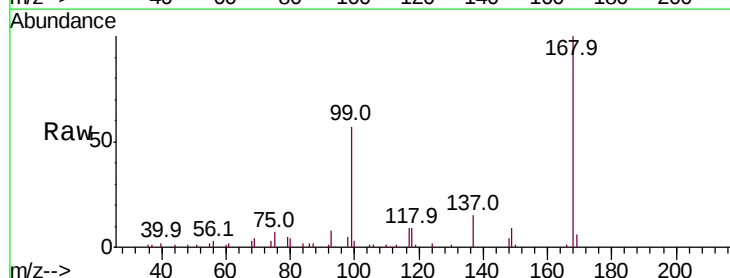
Tgt Ion: 56 Resp: 751

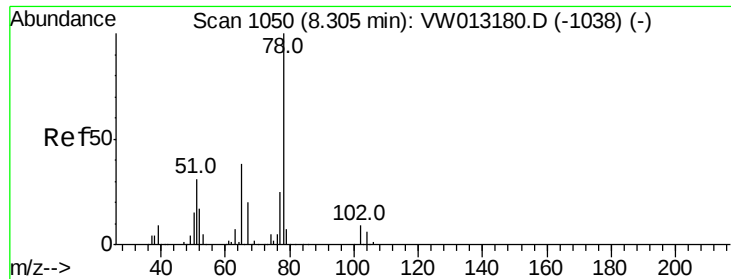
Ion Ratio Lower Upper

56 100

69 127.7 27.2 40.8#

84 73.8 70.8 106.2





#33

1,2-Dichloroethane-d4

Concen: 54.858 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VW013336.D

Acq: 30 Sep 2019 16:35

Instrument :

MSVOA_W

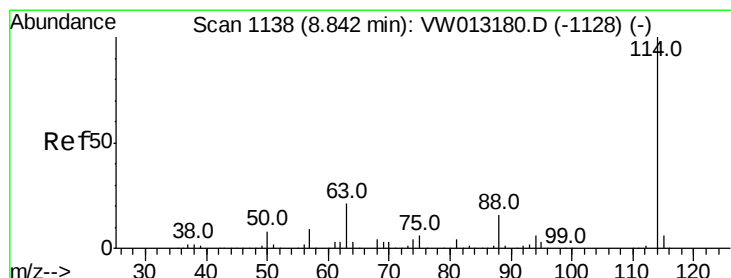
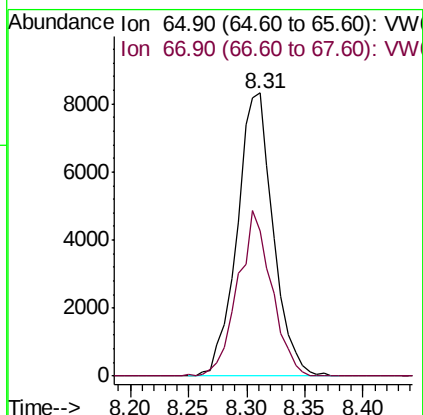
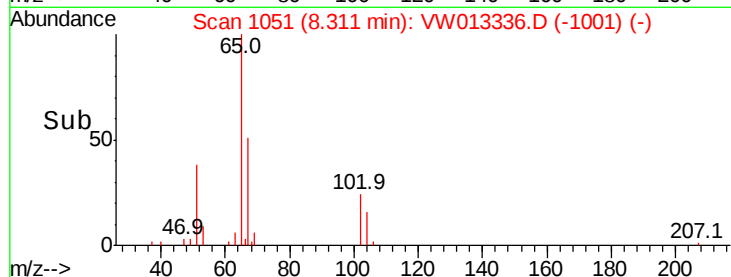
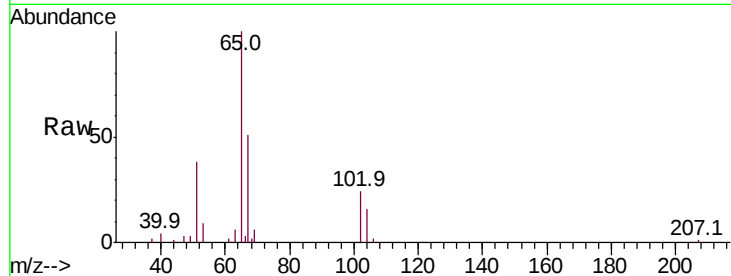
ClientSampleId :

Tot Ion: 65 Resp: 17941

Ion Ratio Lower Upper

65 100

67 55.1 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013336.D

Acq: 30 Sep 2019 16:35

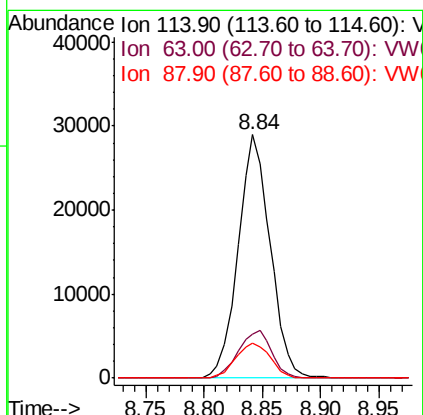
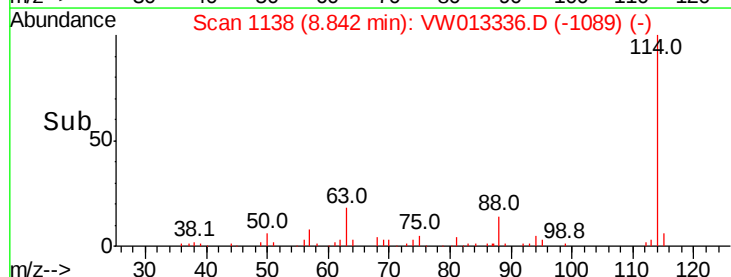
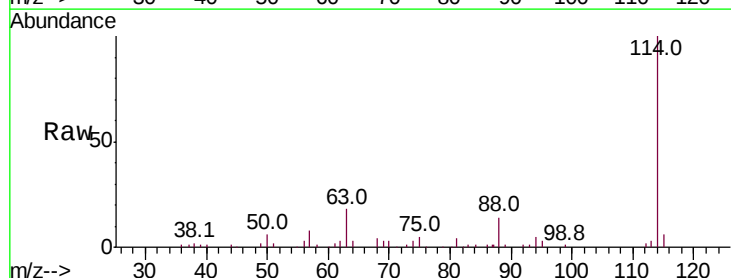
Tgt Ion: 114 Resp: 55492

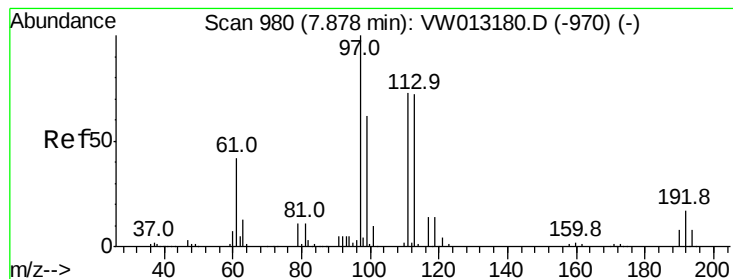
Ion Ratio Lower Upper

114 100

63 18.2 0.0 41.4

88 14.4 0.0 32.0





#35

Dibromofluoromethane

Concen: 57.040 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW013336.D

Acq: 30 Sep 2019 16:35

Instrument :

MSVOA_W

ClientSampleId :

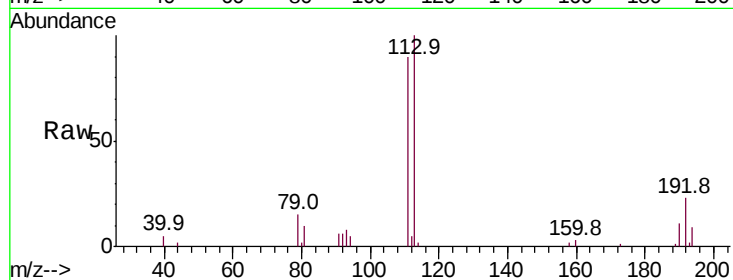
Tot Ion:113 Resp: 17409

Ion Ratio Lower Upper

113 100

111 99.2 81.9 122.9

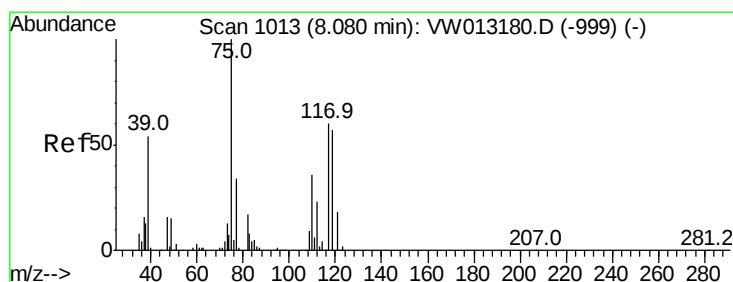
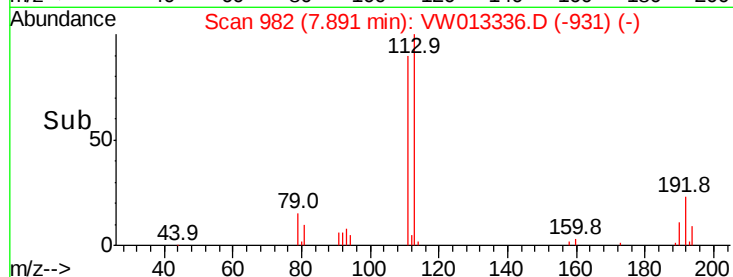
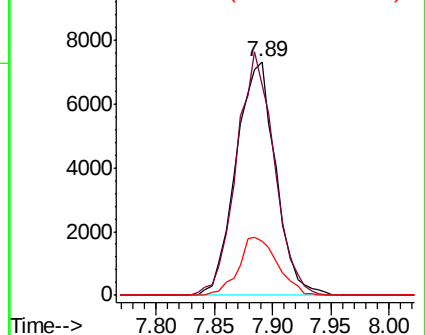
192 24.3 19.1 28.7



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



#36

1,1-Dichloropropene

Concen: 5.122 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW013336.D

Acq: 30 Sep 2019 16:35

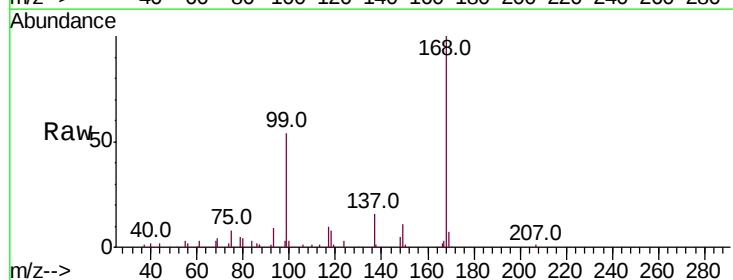
Tgt Ion: 75 Resp: 2753

Ion Ratio Lower Upper

75 100

110 6.9 18.1 54.3#

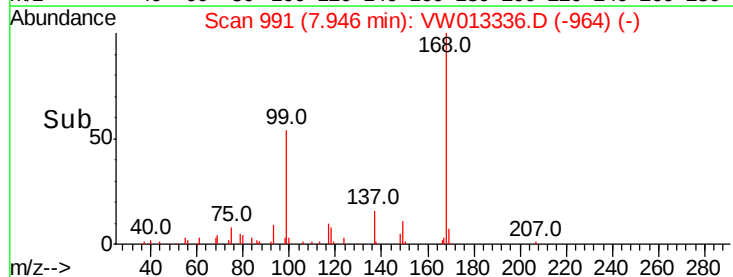
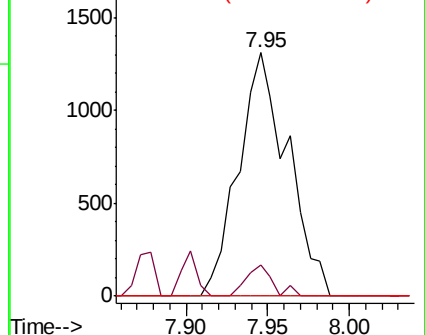
77 0.0 25.8 38.6#

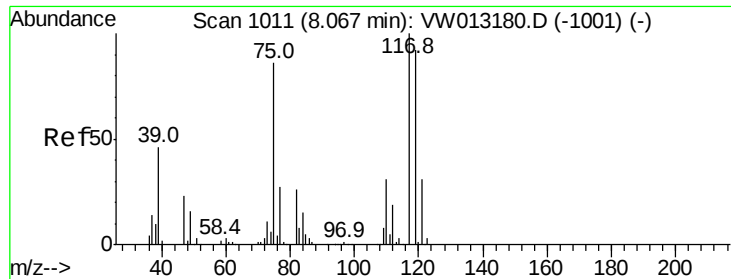


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

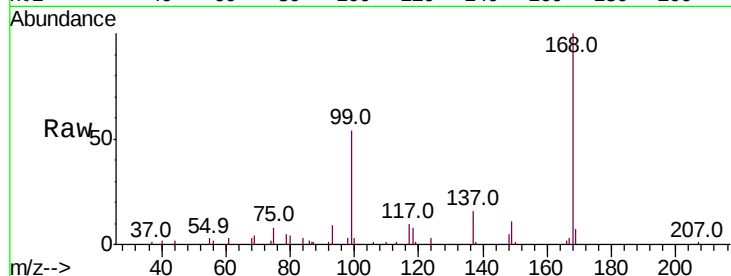




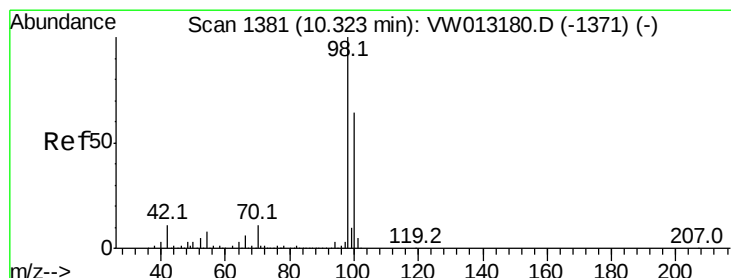
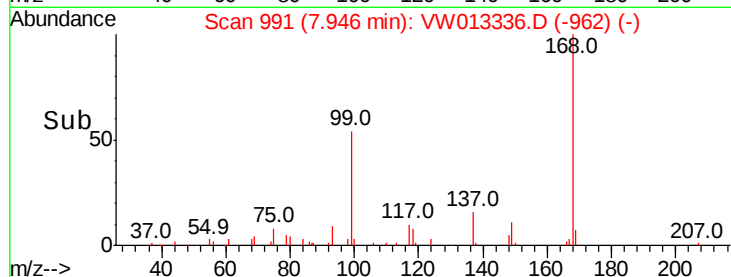
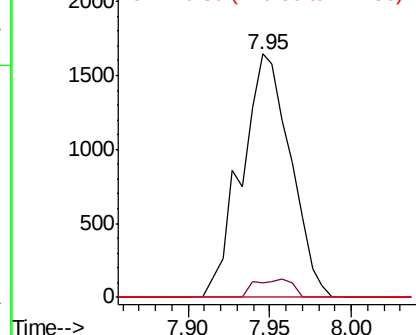
#38
Carbon Tetrachloride
Concen: 7.160 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013336.D
Acq: 30 Sep 2019 16:35

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 3450
Ion Ratio Lower Upper
117 100
119 5.9 73.5 110.3#
121 0.0 25.0 37.6#

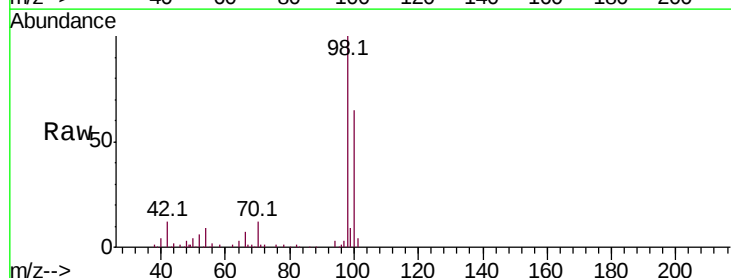


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

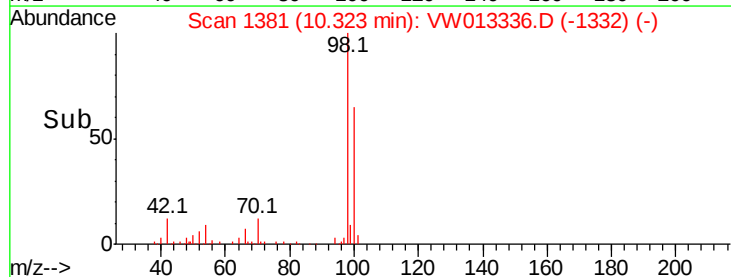
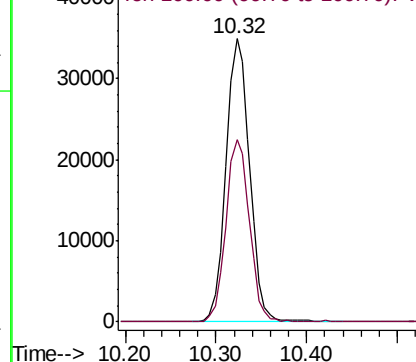


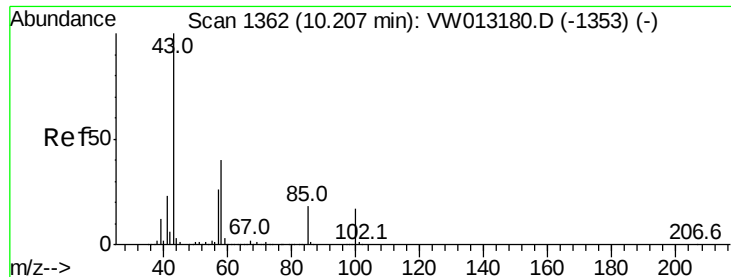
#50
Toluene-d8
Concen: 49.611 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013336.D
Acq: 30 Sep 2019 16:35

Tgt Ion: 98 Resp: 63370
Ion Ratio Lower Upper
98 100
100 64.0 52.9 79.3



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

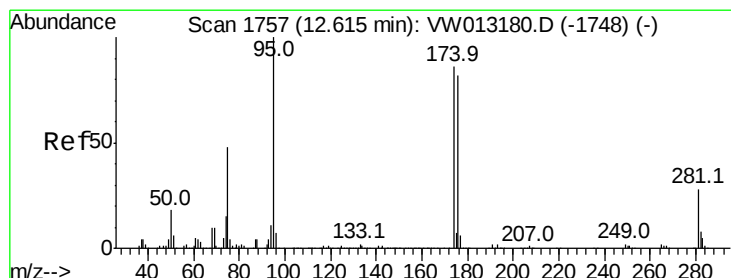
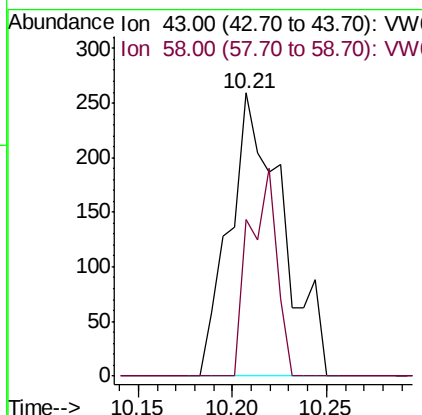
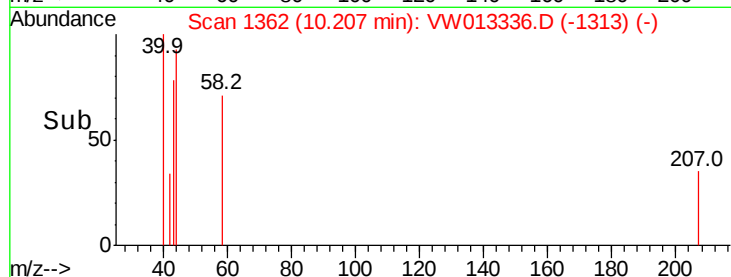
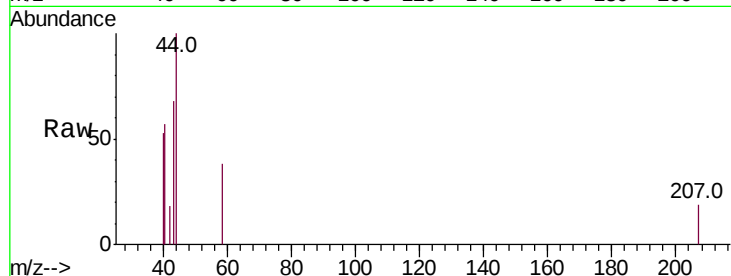




#51
4-Methyl-2-Pentanone
Concen: 2.296 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW013336.D
Acq: 30 Sep 2019 16:35

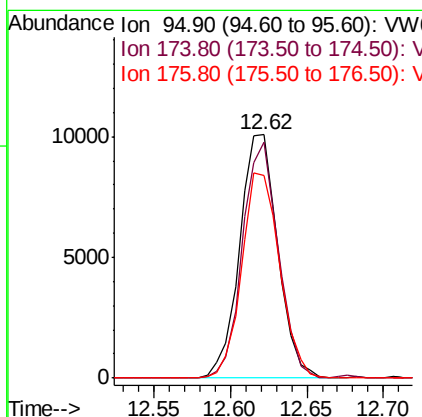
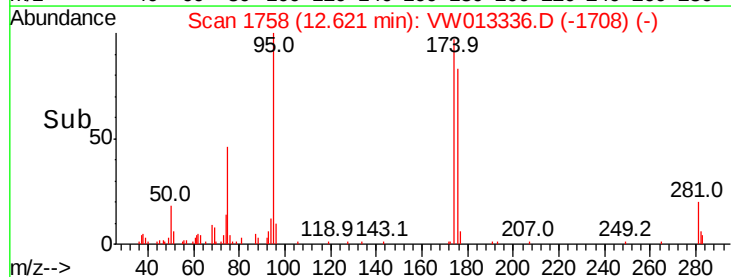
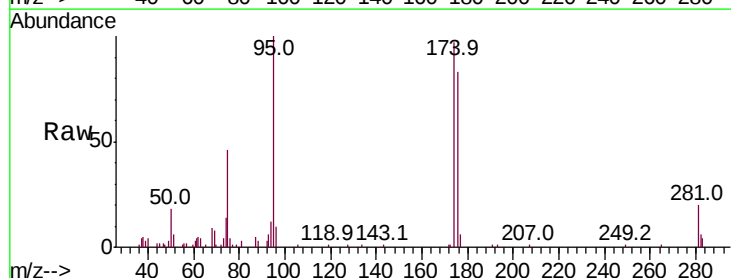
Instrument :
MSVOA_W
Client Sampled :

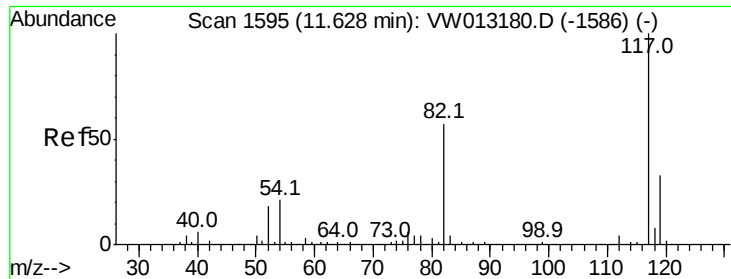
Tot Ion: 43 Resp: 504
Ion Ratio Lower Upper
43 100
58 38.3 31.7 47.5



#62
4-Bromofluorobenzene
Concen: 39.915 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VW013336.D
Acq: 30 Sep 2019 16:35

Tgt Ion: 95 Resp: 17416
Ion Ratio Lower Upper
95 100
174 91.0 0.0 178.4
176 84.2 0.0 172.2

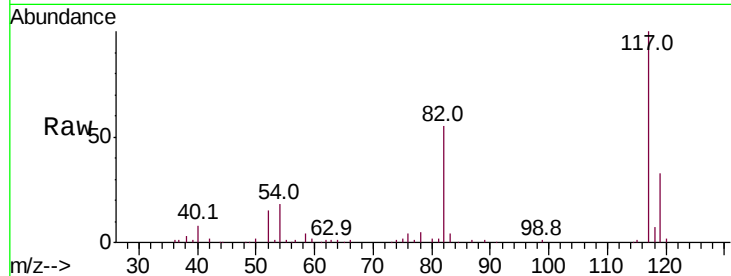




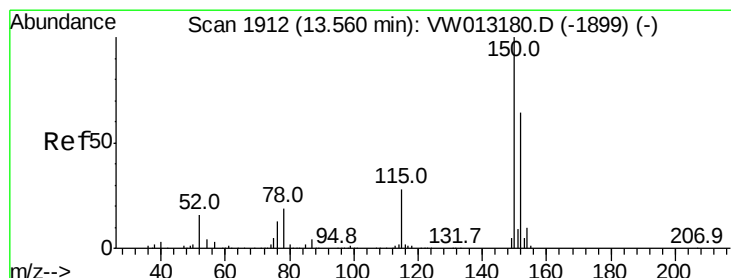
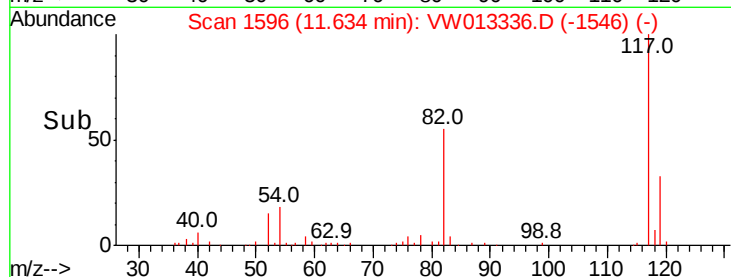
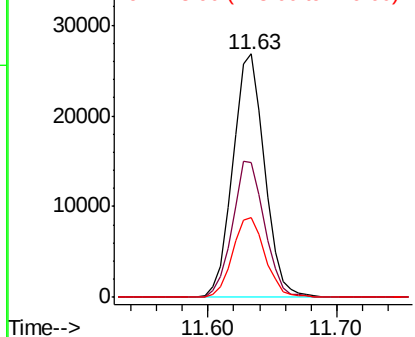
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW013336.D
Acq: 30 Sep 2019 16:35

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 45949
Ion Ratio Lower Upper
117 100
82 55.2 45.9 68.9
119 32.8 26.2 39.2

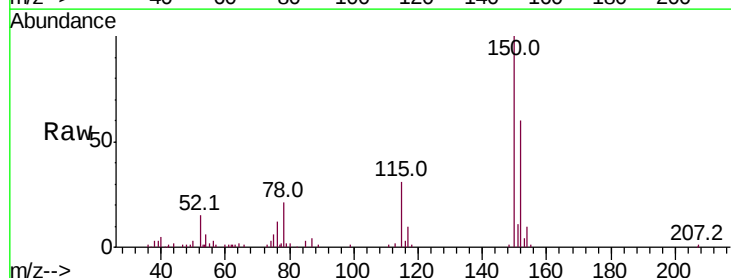


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VV
Ion 118.90 (118.60 to 119.60): V

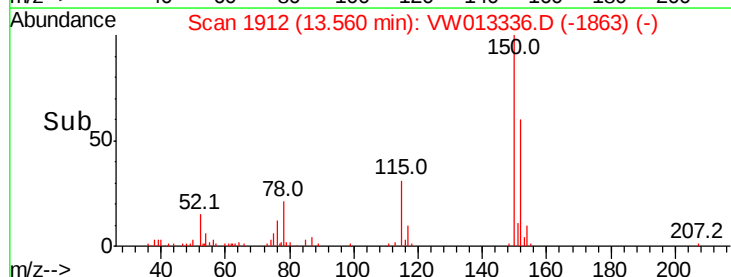
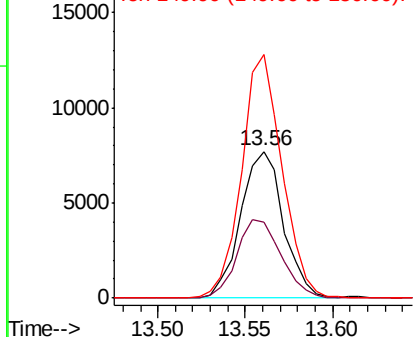


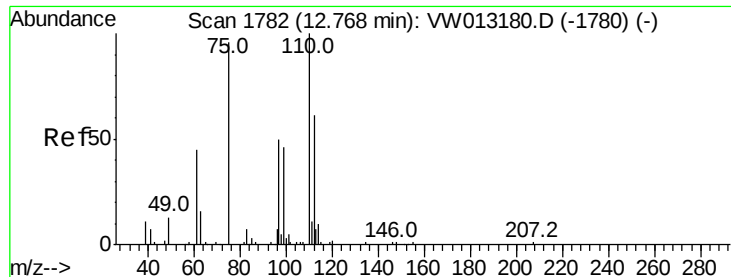
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013336.D
Acq: 30 Sep 2019 16:35

Tgt Ion:152 Resp: 13044
Ion Ratio Lower Upper
152 100
115 55.5 27.3 81.9
150 157.5 0.0 349.0



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: 70.168 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW013336.D

Acq: 30 Sep 2019 16:35

Instrument :

MSVOA_W

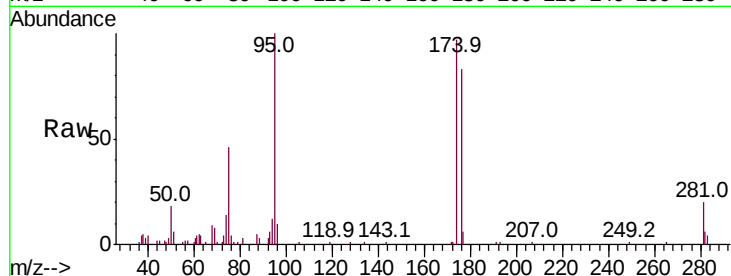
ClientSampled :

Tot Ion: 75 Resp: 8083

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

12.62

5000

4000

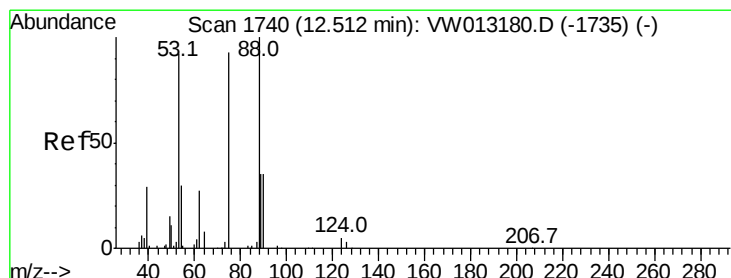
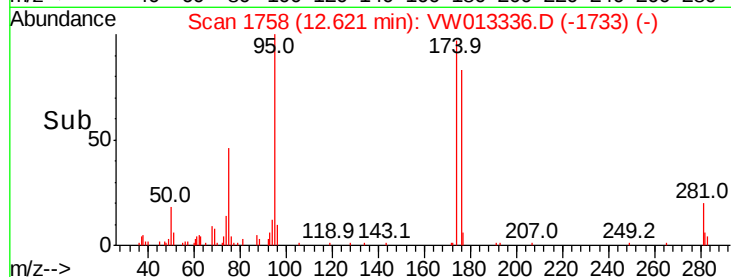
3000

2000

1000

0

Time--> 12.55 12.60 12.65



#81

trans-1,4-Dichloro-2-butene

Concen: 157.450 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW013336.D

Acq: 30 Sep 2019 16:35

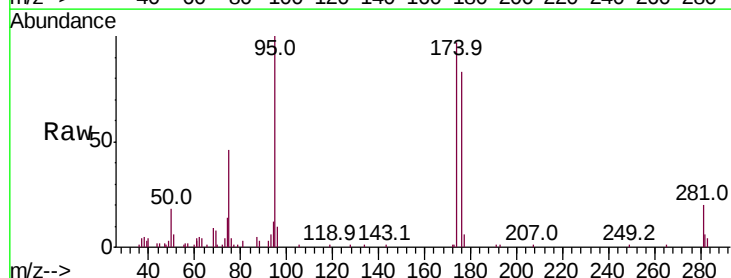
Tgt Ion: 75 Resp: 8083

Ion Ratio Lower Upper

75 100

53 0.0 76.6 114.8#

89 0.0 33.5 50.3#



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

6000

5000

4000

3000

2000

1000

0

Time--> 12.55 12.60 12.65

