

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW091019\
 Data File : VW012880.D
 Acq On : 10 Sep 2019 19:25
 Operator : SY/VA
 Sample : K4570-04RE
 Misc : 6.01G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SOUTH-AVENUE-4-ABCDRE

Quant Time: Sep 12 03:58:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

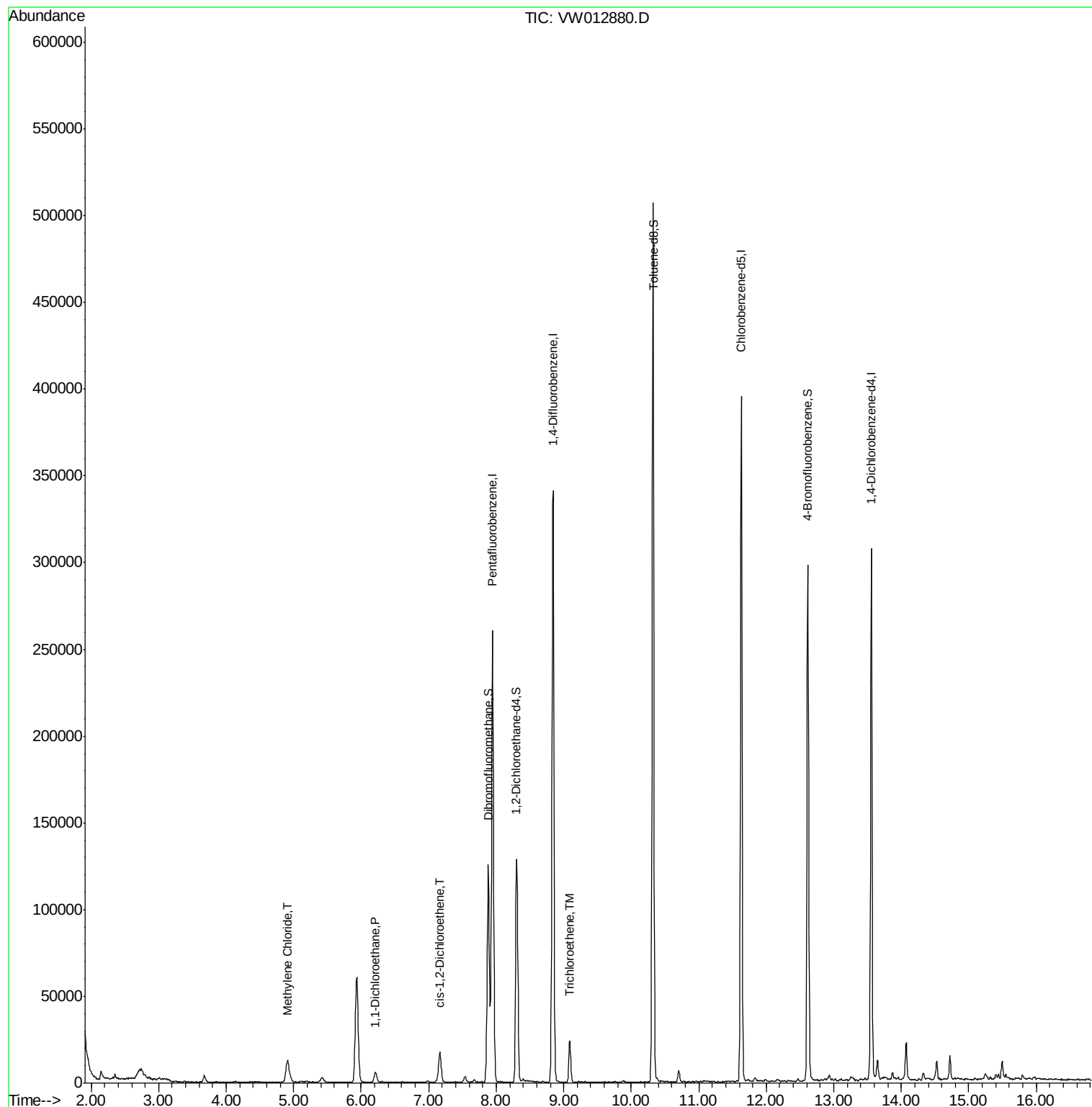
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	196088	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	282668	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	217499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	77607	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	106170	48.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.92%	
35) Dibromofluoromethane	7.88	113	87875	52.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.58%	
50) Toluene-d8	10.32	98	330987	50.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.54%	
62) 4-Bromofluorobenzene	12.62	95	90748	37.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.94%	
Target Compounds						
20) Methylene Chloride	4.91	84	10369	5.549	ug/l	93
24) 1,1-Dichloroethane	6.21	63	7609	2.127	ug/l #	89
27) cis-1,2-Dichloroethene	7.17	96	9084	4.742	ug/l	83
44) Trichloroethene	9.09	130	8215	4.573	ug/l	97

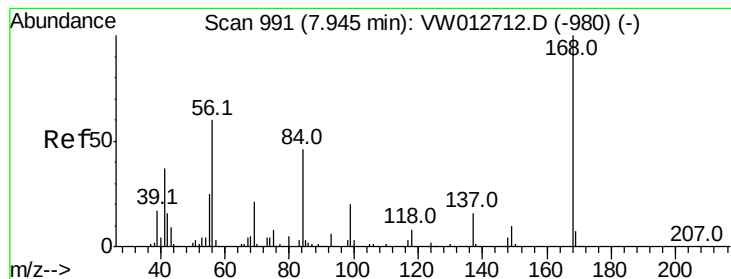
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012880.D

Acq: 10 Sep 2019 19:25

Instrument :

MSVOA_W

ClientSampleId :

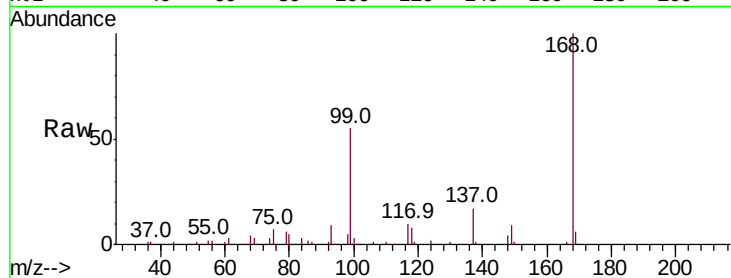
SOUTH-AVENUE-4-ABCDRE

Tot Ion:168 Resp: 196088

Ion Ratio Lower Upper

168 100

99 55.3 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

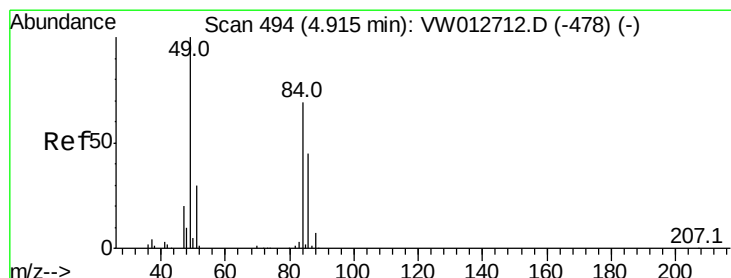
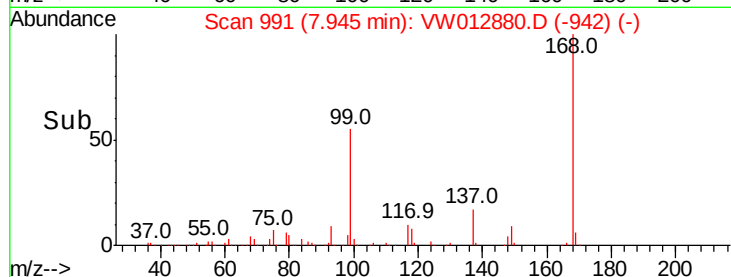
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#20

Methylene Chloride

Concen: 5.549 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012880.D

Acq: 10 Sep 2019 19:25

Tgt Ion: 84 Resp: 10369

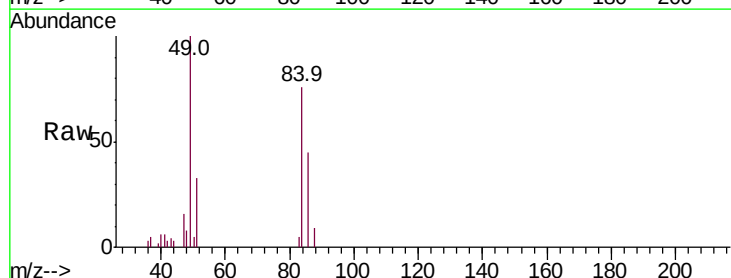
Ion Ratio Lower Upper

84 100

49 132.4 115.4 173.0

51 43.6 34.9 52.3

86 59.8 52.2 78.4



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

4.91

6000

5000

4000

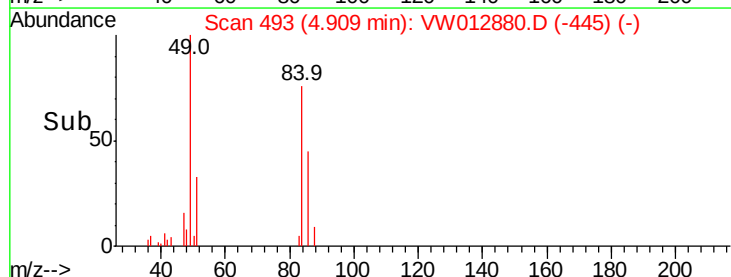
3000

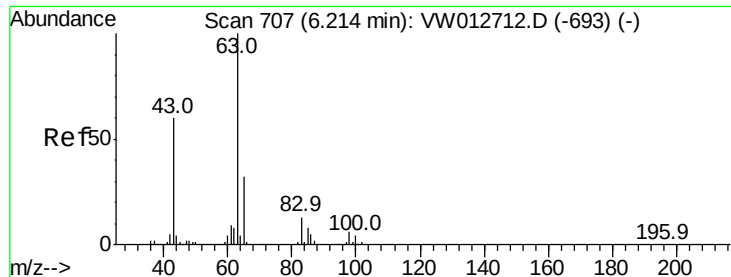
2000

1000

0

Time--> 4.80 4.90 5.00





#24

1,1-Dichloroethane

Concen: 2.127 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012880.D

Acq: 10 Sep 2019 19:25

Instrument :

MSVOA_W

ClientSampleId :

SOUTH-AVENUE-4-ABCDRE

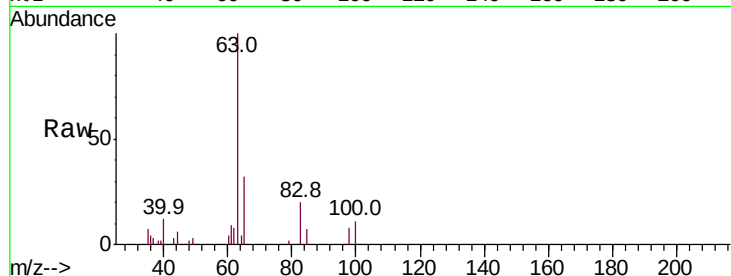
Tot Ion: 63 Resp: 7609

Ion Ratio Lower Upper

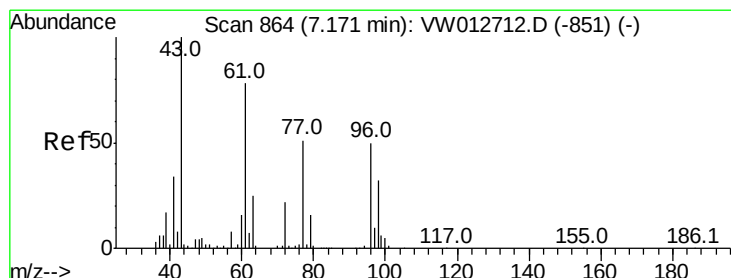
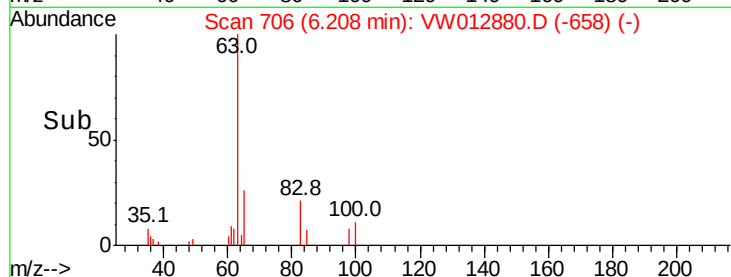
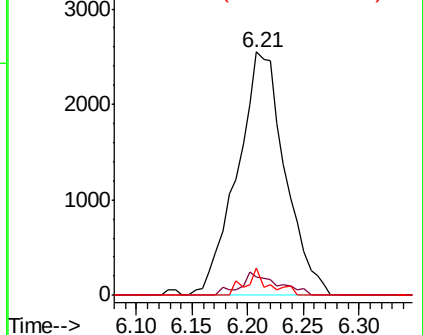
63 100

98 7.6 3.1 9.3

100 11.2 1.8 5.5#



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 97.90 (97.60 to 98.60): VW
Ion 99.90 (99.60 to 100.60): VW



#27

cis-1,2-Dichloroethene

Concen: 4.742 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012880.D

Acq: 10 Sep 2019 19:25

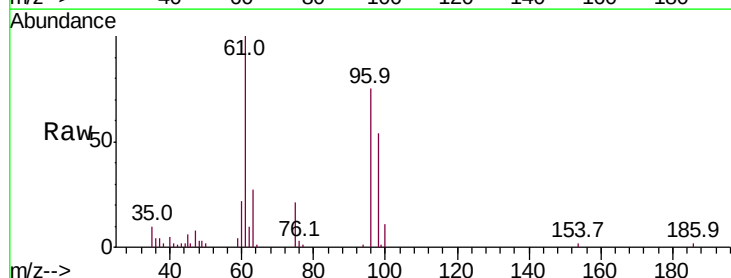
Tgt Ion: 96 Resp: 9084

Ion Ratio Lower Upper

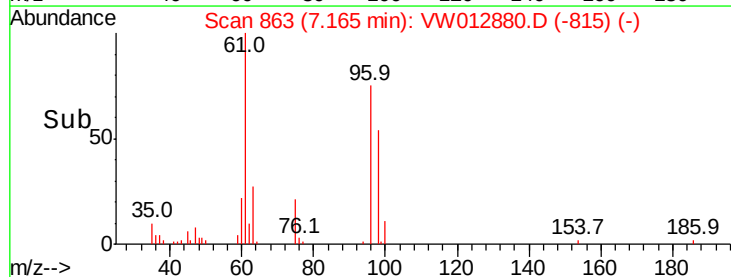
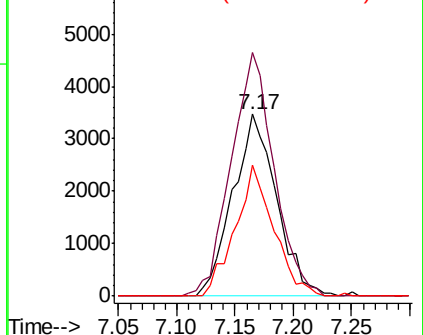
96 100

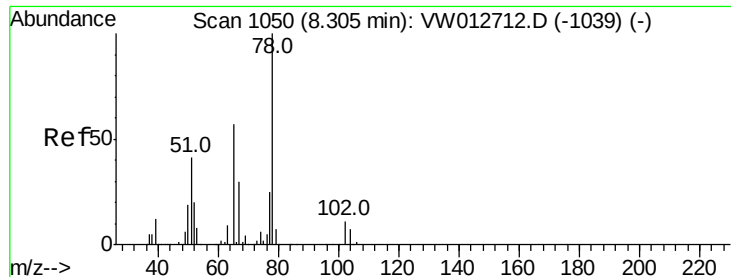
61 131.0 0.0 325.8

98 63.1 0.0 127.0



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW

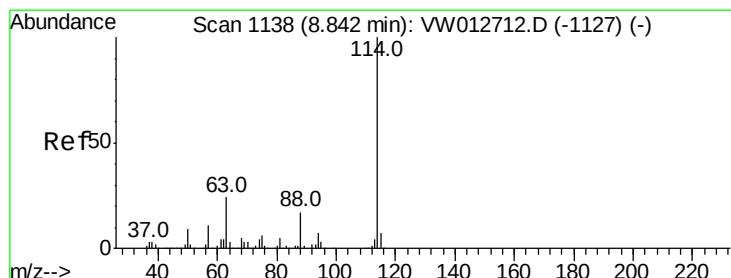
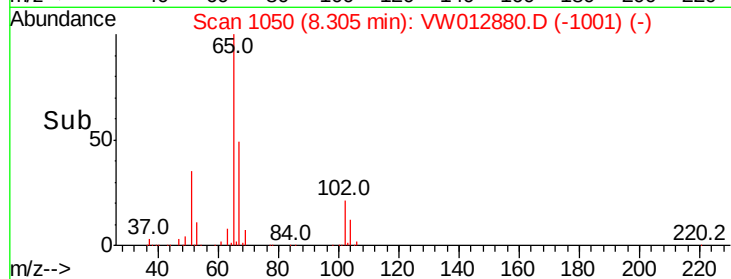
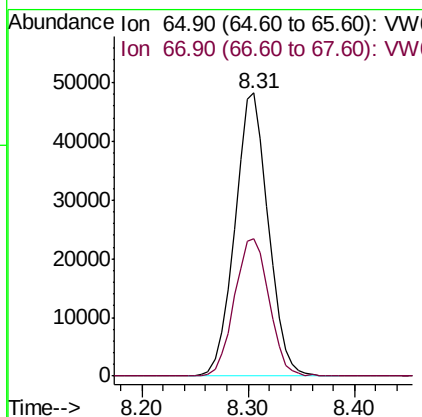
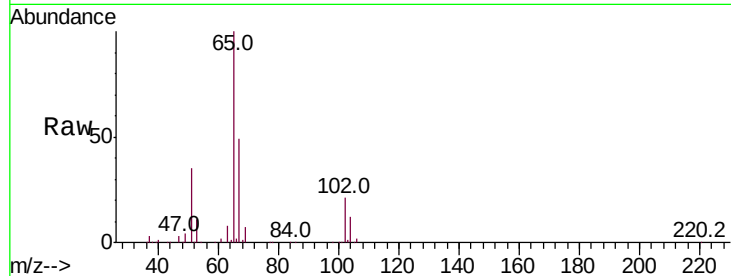




#33
 1,2-Dichloroethane-d4
 Concen: 48.458 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012880.D
 Acq: 10 Sep 2019 19:25

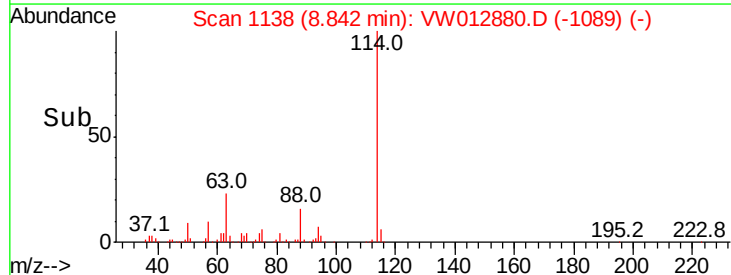
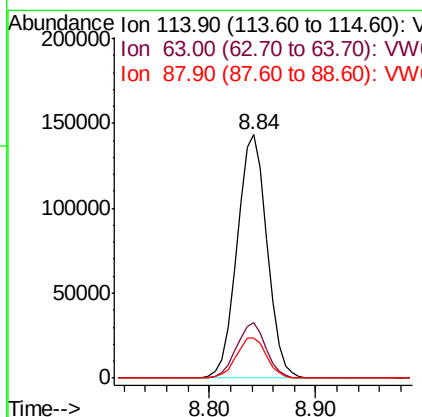
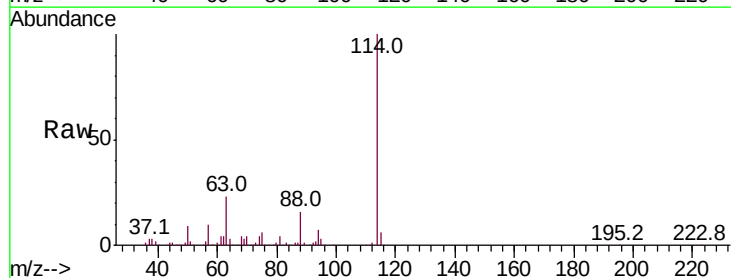
Instrument :
 MSVOA_W
 ClientSampleId :
 SOUTH-AVENUE-4-ABCDRE

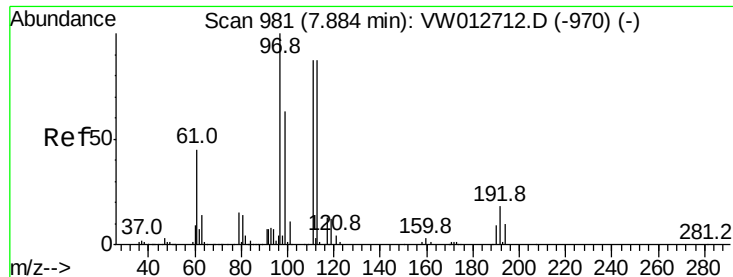
Tot Ion: 65 Resp: 106170
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012880.D
 Acq: 10 Sep 2019 19:25

Tgt Ion: 114 Resp: 282668
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 47.2
 88 16.3 0.0 34.0

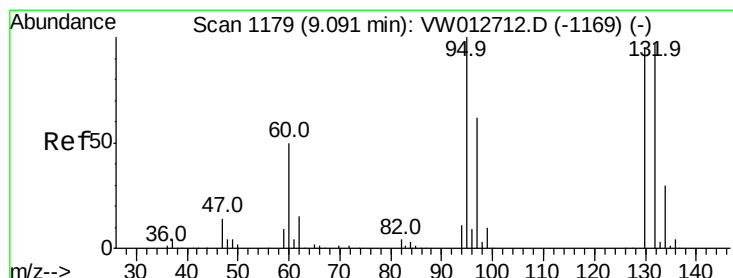
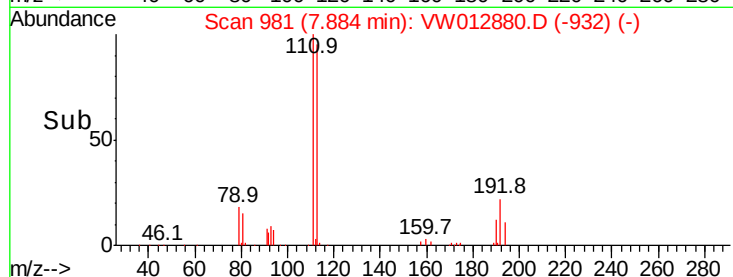
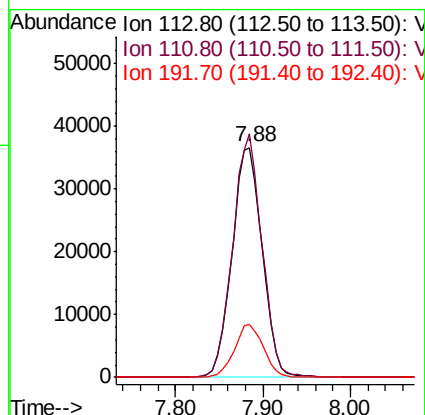
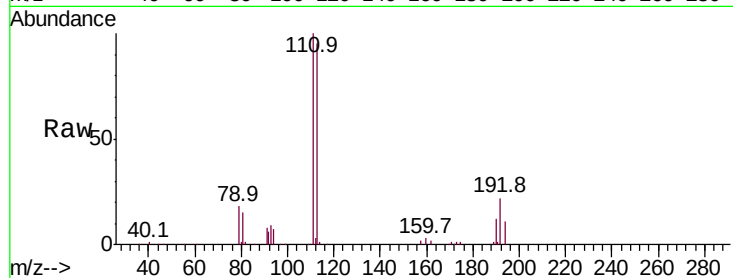




#35
 Dibromofluoromethane
 Concen: 52.290 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012880.D
 Acq: 10 Sep 2019 19:25

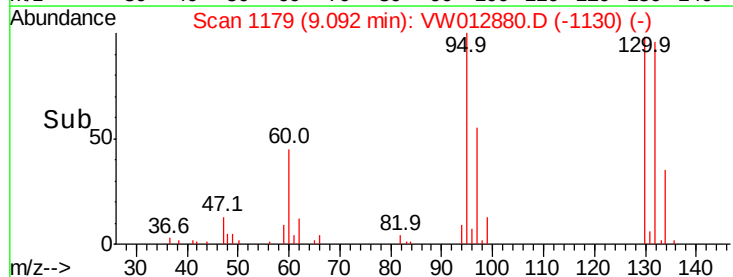
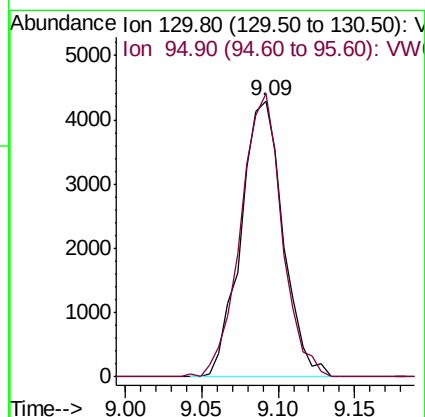
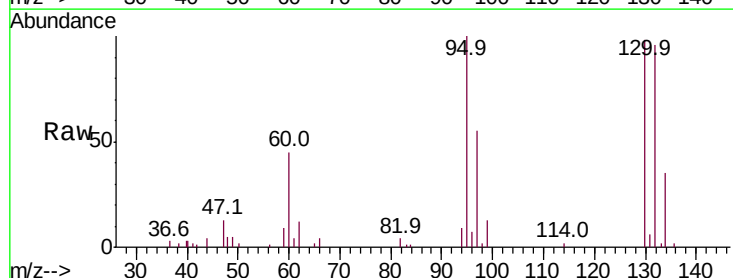
Instrument :
 MSVOA_W
 ClientSampleId :
 SOUTH-AVENUE-4-ABCDRE

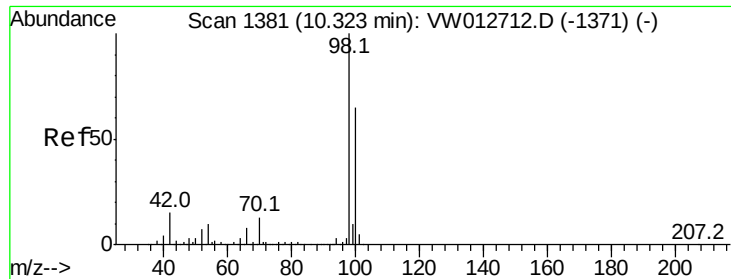
Tot Ion:113 Resp: 87875
 Ion Ratio Lower Upper
 113 100
 111 102.8 80.2 120.4
 192 22.3 17.3 25.9



#44
 Trichloroethene
 Concen: 4.573 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW012880.D
 Acq: 10 Sep 2019 19:25

Tgt Ion:130 Resp: 8215
 Ion Ratio Lower Upper
 130 100
 95 102.5 0.0 210.6

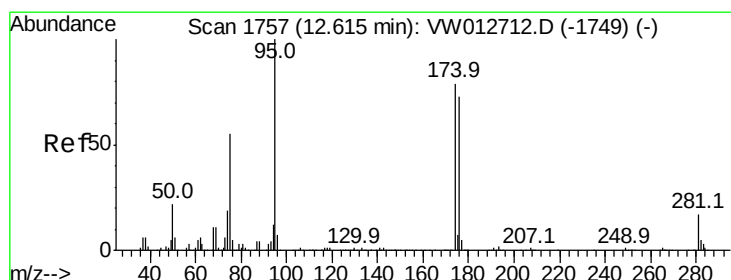
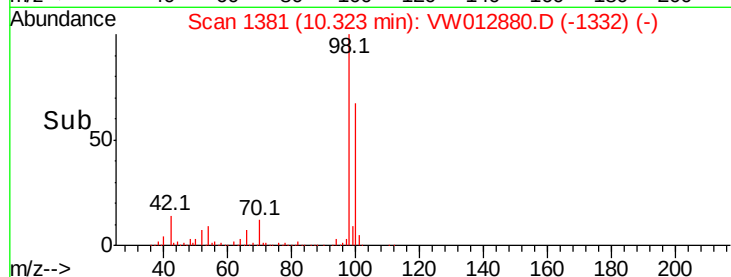
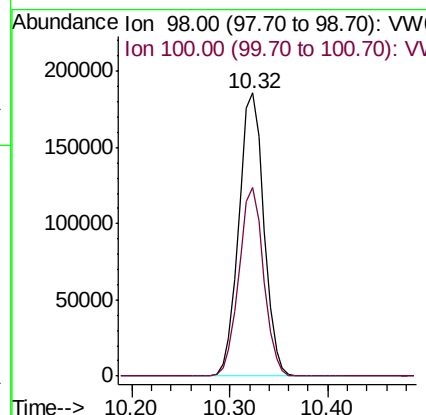
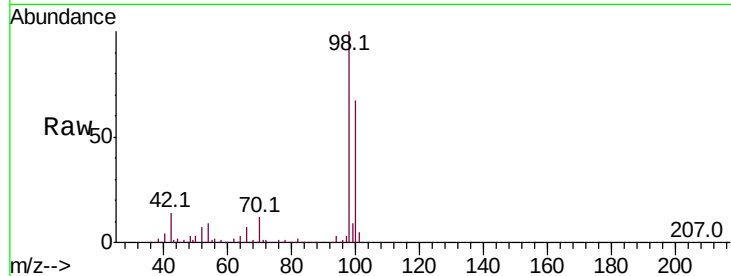




#50
Toluene-d8
Concen: 50.272 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012880.D
Acq: 10 Sep 2019 19:25

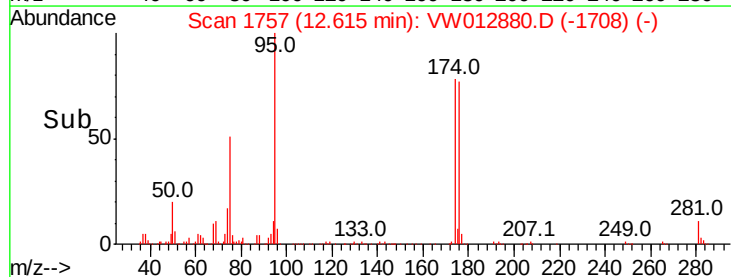
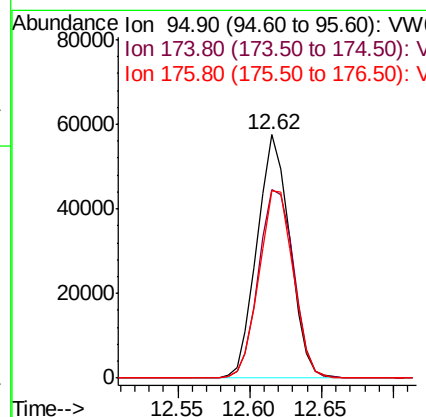
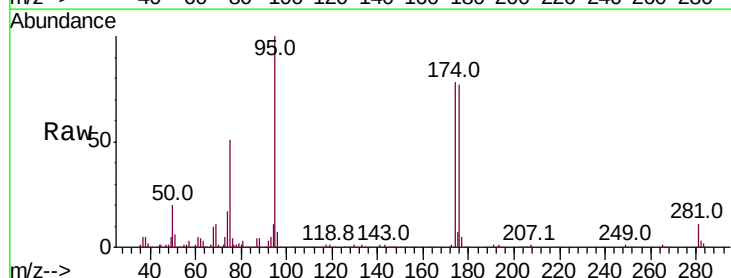
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ClientSampleId :
SOUTH-AVENUE-4-ABCDRE

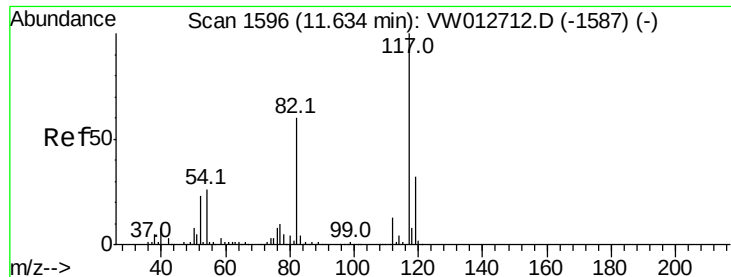
Tot Ion: 98 Resp: 330987
Ion Ratio Lower Upper
98 100
100 65.6 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 37.967 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012880.D
Acq: 10 Sep 2019 19:25

Tgt Ion: 95 Resp: 90748
Ion Ratio Lower Upper
95 100
174 83.1 0.0 161.0
176 80.5 0.0 156.4

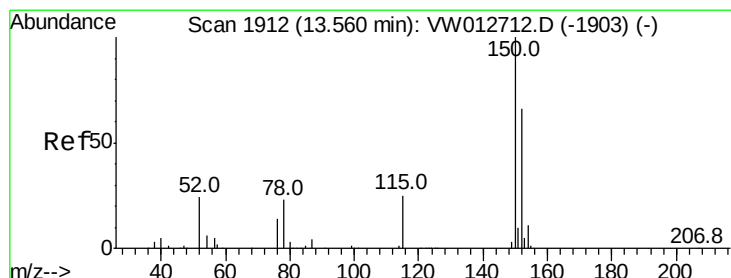
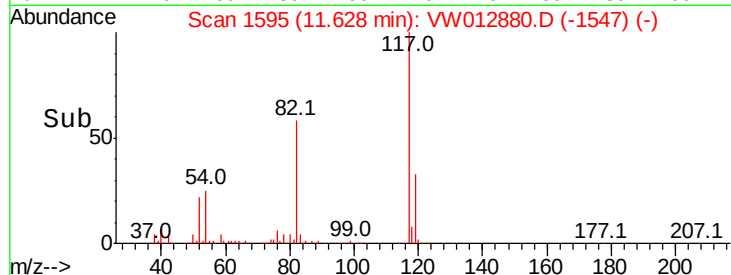
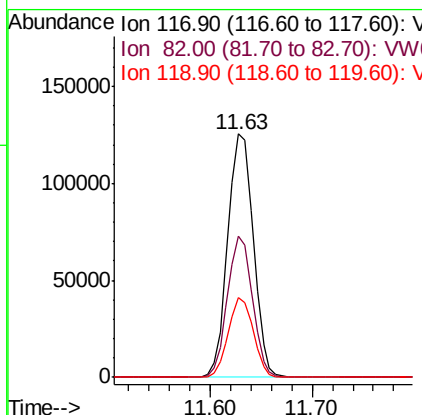
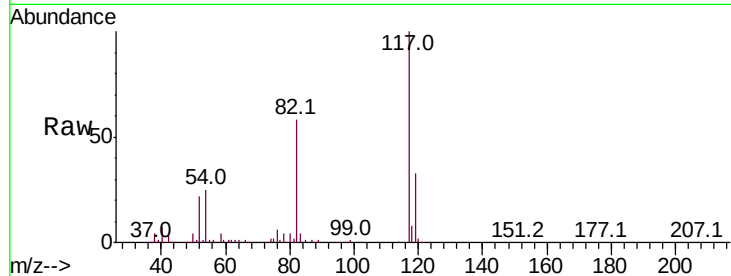




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012880.D
Acq: 10 Sep 2019 19:25

Instrument :
MSVOA_W
ClientSampleId :
SOUTH-AVENUE-4-ABCDRE

Tot Ion:117 Resp: 217499
Ion Ratio Lower Upper
117 100
82 58.1 48.2 72.4
119 33.0 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012880.D
Acq: 10 Sep 2019 19:25

Tgt Ion:152 Resp: 77607
Ion Ratio Lower Upper
152 100
115 60.1 30.0 90.1
150 160.4 0.0 349.0

