

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090819\
 Data File : VW012805.D
 Acq On : 09 Sep 2019 07:16
 Operator : SY/VA
 Sample : K4760-02
 Misc : 6.49G/5ML/MSVOA_W/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EAST-SIDE-WALL-2

Quant Time: Sep 09 07:55:26 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	221510	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	320116	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	223353	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	60055	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	116187	46.94	ug/l	0.00
Spiked Amount			Recovery	=	93.88%	
35) Dibromofluoromethane	7.88	113	94158	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	
50) Toluene-d8	10.32	98	368561	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	
62) 4-Bromofluorobenzene	12.62	95	80038	29.57	ug/l	0.00
Spiked Amount			Recovery	=	59.14%	

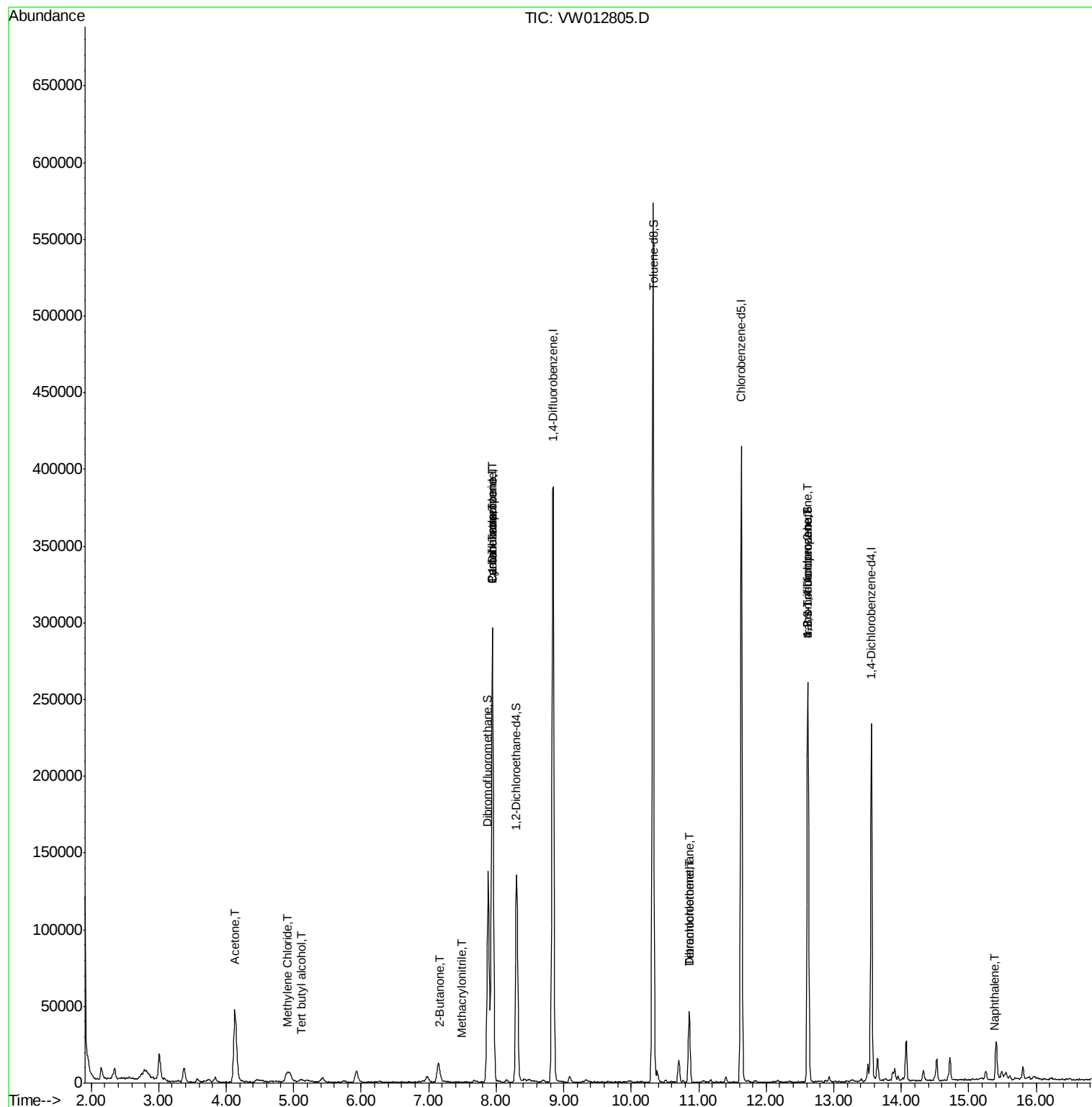
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	1036	5.471	ug/l #	72
16) Acetone	4.13	43	95452	141.466	ug/l	95
20) Methylene Chloride	4.90	84	3069	1.454	ug/l #	92
25) 2-Butanone	7.17	43	285	19.945	ug/l #	53
31) Cyclohexane	7.94	56	5865	1.612	ug/l #	29
36) 1,1-Dichloropropene	7.95	75	17808	6.261	ug/l #	53
38) Carbon Tetrachloride	7.95	117	22434	8.001	ug/l #	17
41) Methacrylonitrile	7.49	41	113	3.923	ug/l #	27
60) Dibromochloromethane	10.86	129	8308	4.553	ug/l #	11
64) Tetrachloroethene	10.86	164	9615	7.095	ug/l	93
76) 1,2,3-Trichloropropane	12.62	75	43099	70.184	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	43099	148.443	ug/l #	6
95) Naphthalene	15.38	128	40	4.454	ug/l #	69

(#) = 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: VW012805.D

Acq: 09 Sep 2019 07:16

Instrument :

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ClientSampleId :

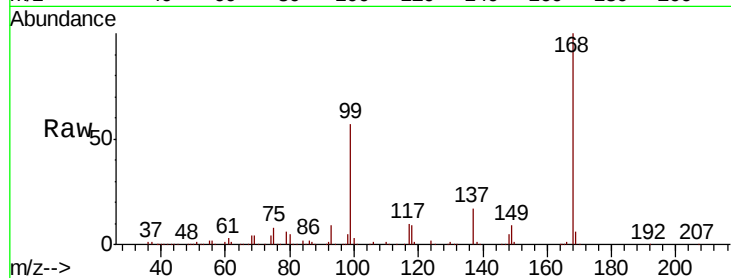
EAST-SIDE-WALL-2

Tgt Ion:168 Resp: 221510

Ion Ratio Lower Upper

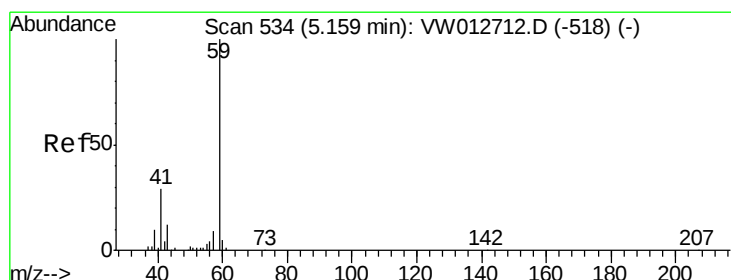
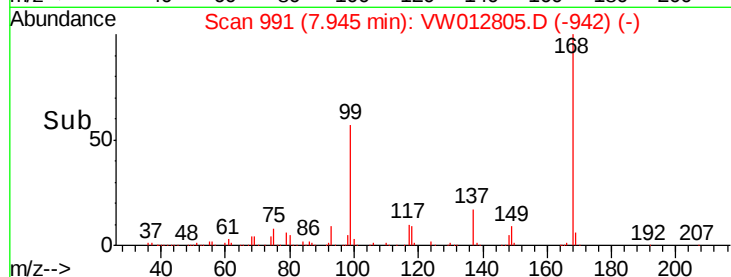
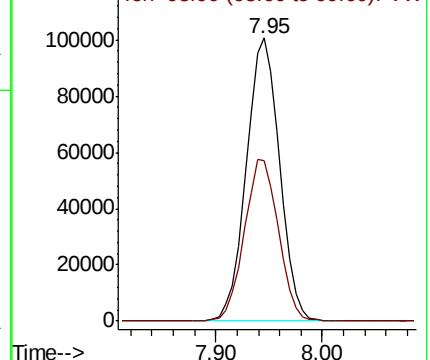
168 100

99 56.8 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 5.471 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.04 min

Lab File: VW012805.D

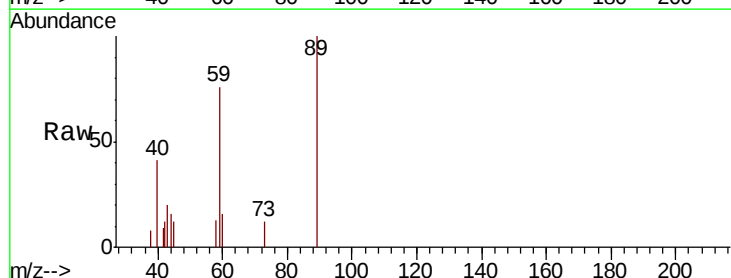
Acq: 09 Sep 2019 07:16

Tgt Ion: 59 Resp: 1036

Ion Ratio Lower Upper

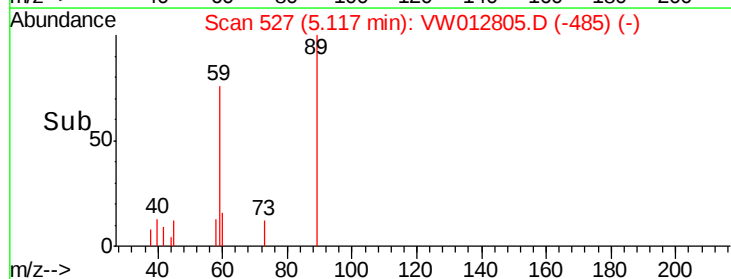
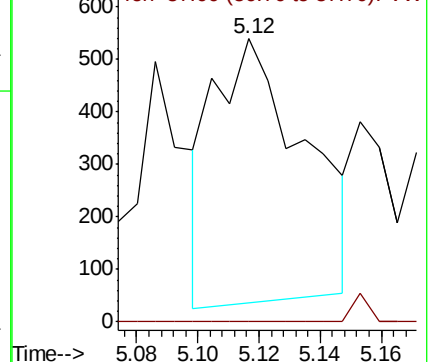
59 100

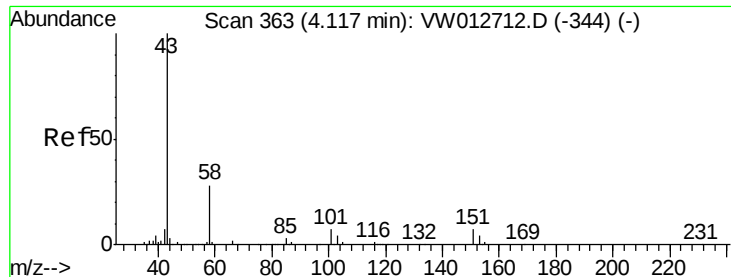
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

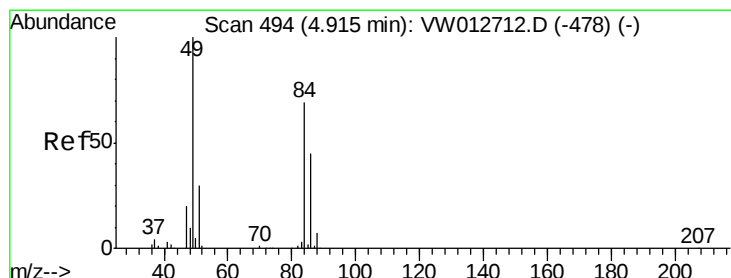
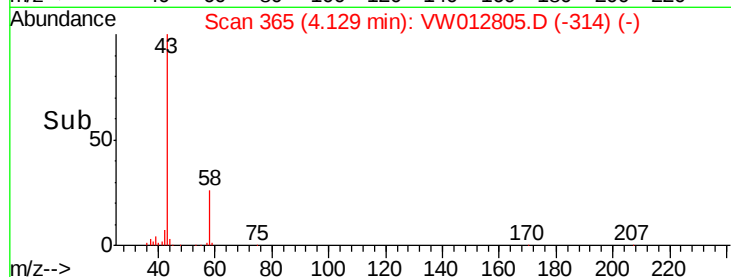
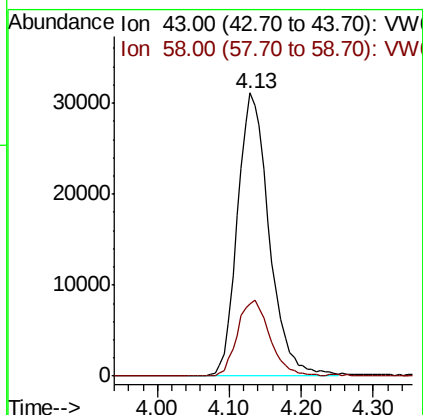
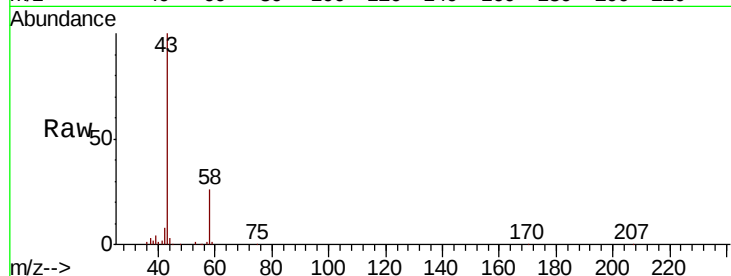




#16
Acetone
Concen: 141.466 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW012805.D
Acq: 09 Sep 2019 07:16

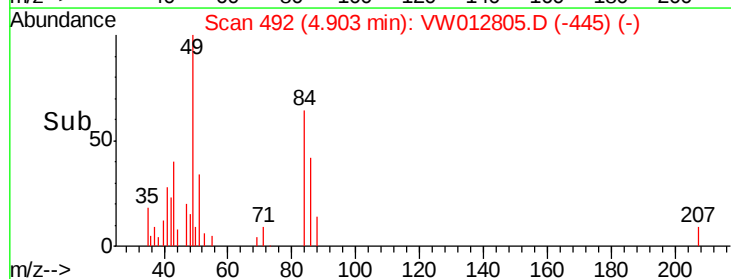
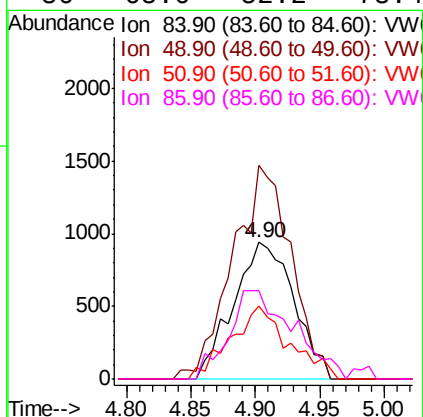
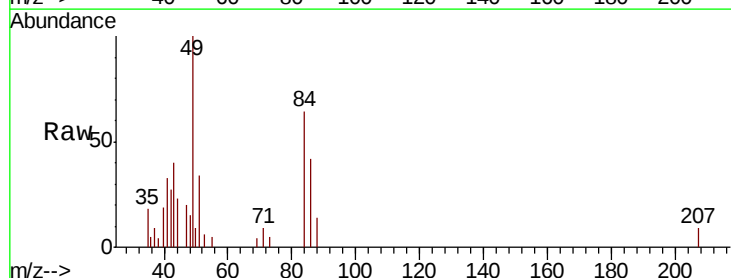
Instrument :
MSVOA_W
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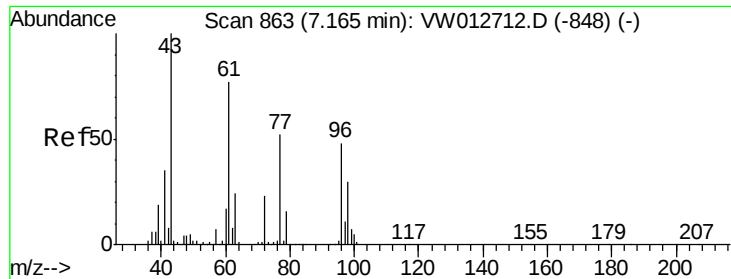
Tgt Ion: 43 Resp: 95452
Ion Ratio Lower Upper
43 100
58 25.7 22.6 33.8



#20
Methylene Chloride
Concen: 1.454 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW012805.D
Acq: 09 Sep 2019 07:16

Tgt Ion: 84 Resp: 3069
Ion Ratio Lower Upper
84 100
49 156.1 115.4 173.0
51 53.3 34.9 52.3#
86 65.0 52.2 78.4





#25

2-Butanone

Concen: 19.945 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW012805.D

Acq: 09 Sep 2019 07:16

Instrument :

MSVOA_W

ClientSampleId :

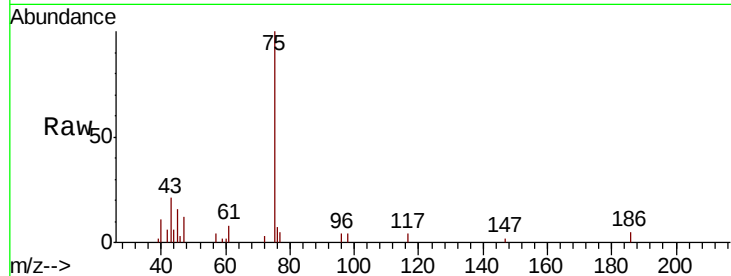
EAST-SIDE-WALL-2

Tgt Ion: 43 Resp: 285

Ion Ratio Lower Upper

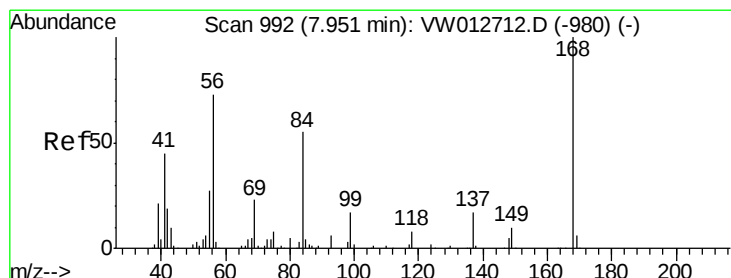
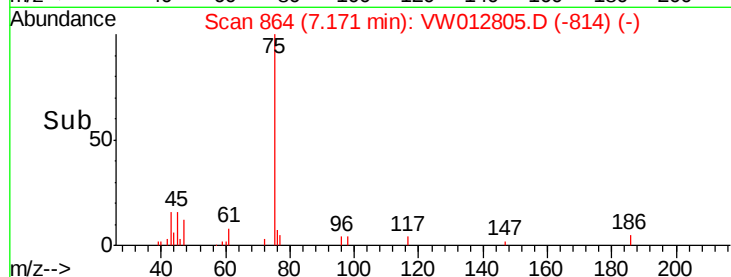
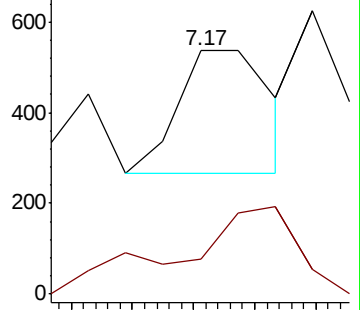
43 100

72 0.0 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#31

Cyclohexane

Concen: 1.612 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012805.D

Acq: 09 Sep 2019 07:16

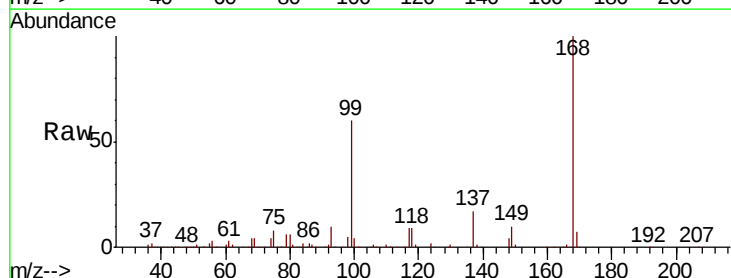
Tgt Ion: 56 Resp: 5865

Ion Ratio Lower Upper

56 100

69 139.5 25.7 38.5#

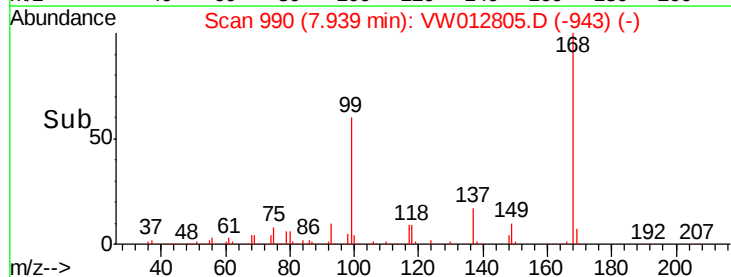
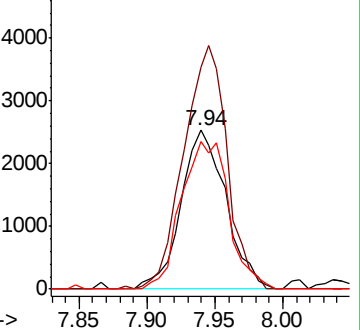
84 92.5 60.4 90.6#

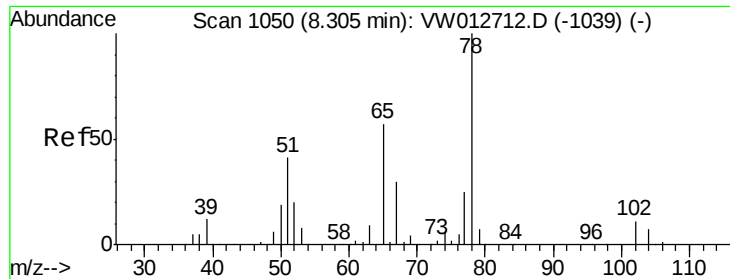


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

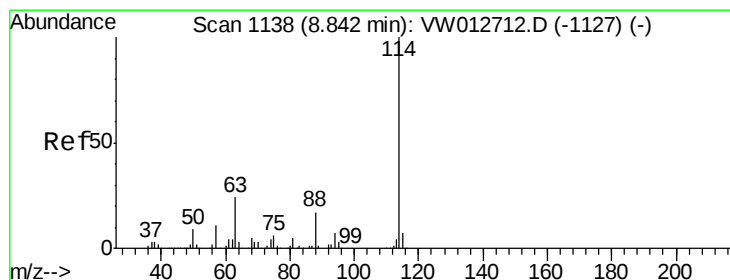
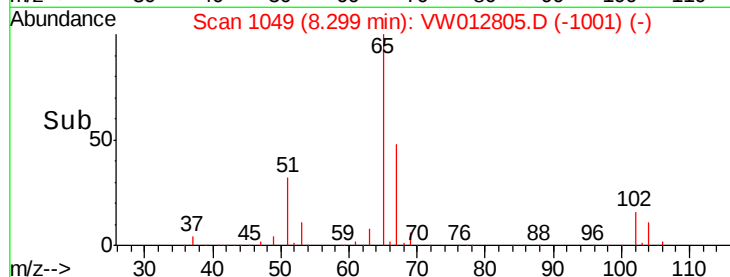
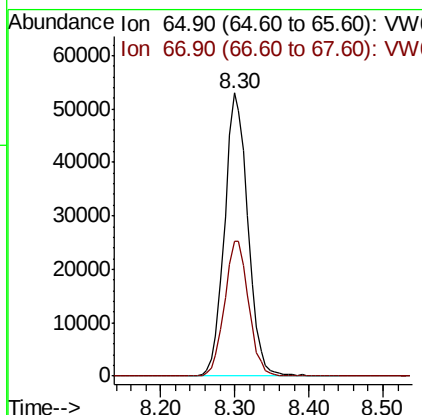
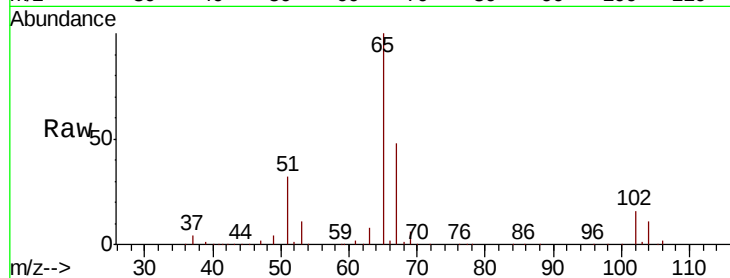




#33
 1,2-Dichloroethane-d4
 Concen: 46.944 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012805.D
 Acq: 09 Sep 2019 07:16

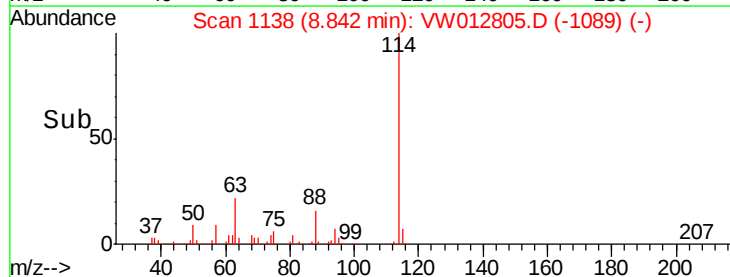
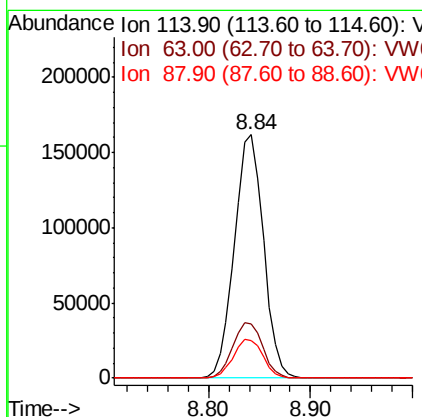
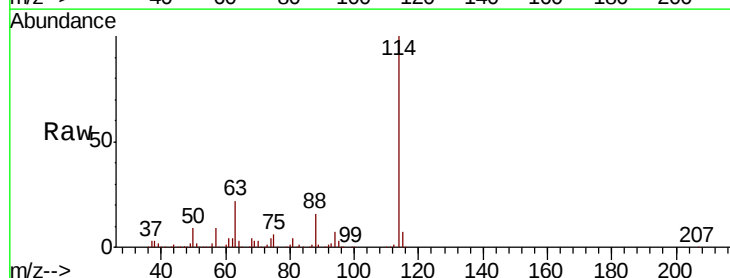
Instrument :
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 EAST-SIDE-WALL-2

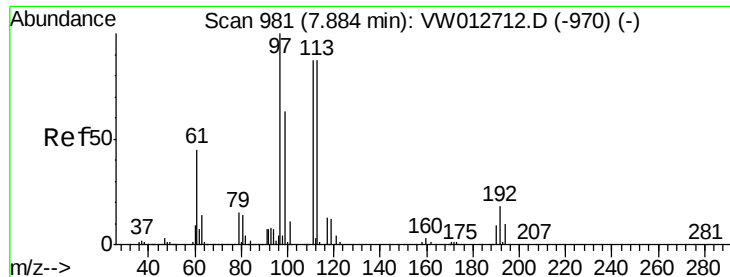
Tgt Ion: 65 Resp: 116187
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012805.D
 Acq: 09 Sep 2019 07:16

Tgt Ion: 114 Resp: 320116
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 47.2
 88 15.6 0.0 34.0

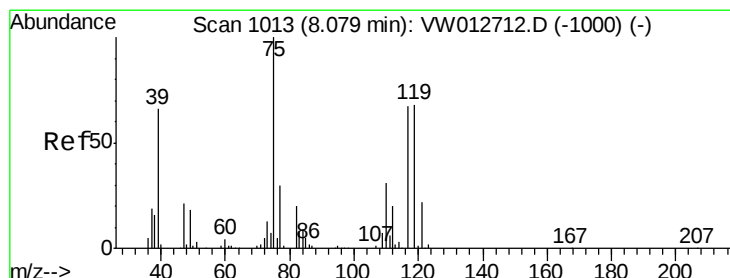
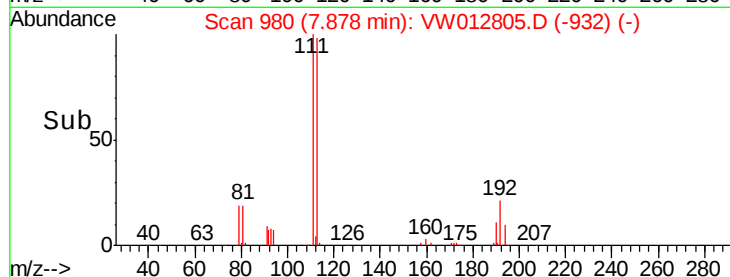
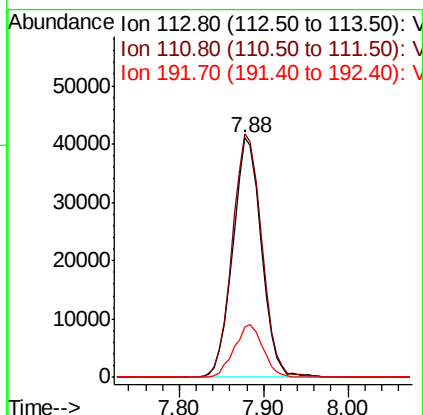
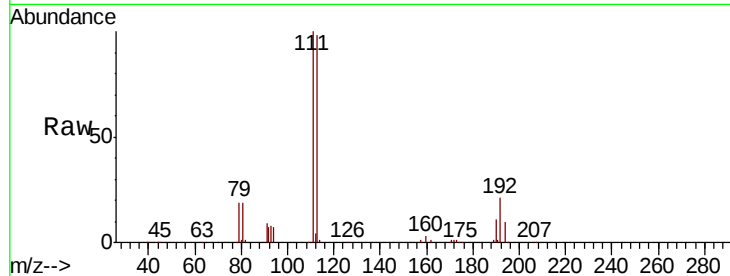




#35
 Dibromofluoromethane
 Concen: 49.474 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012805.D
 Acq: 09 Sep 2019 07:16

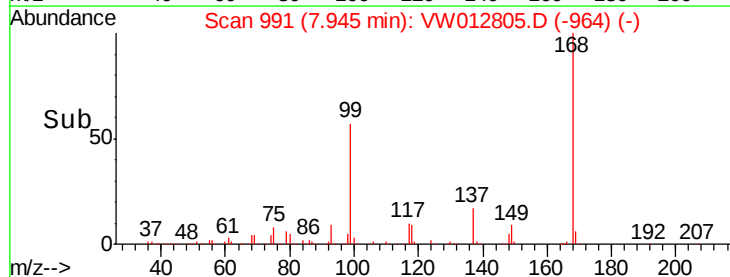
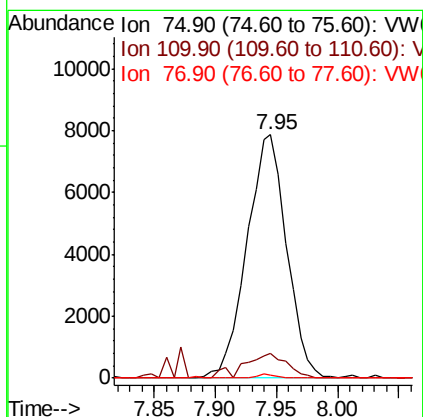
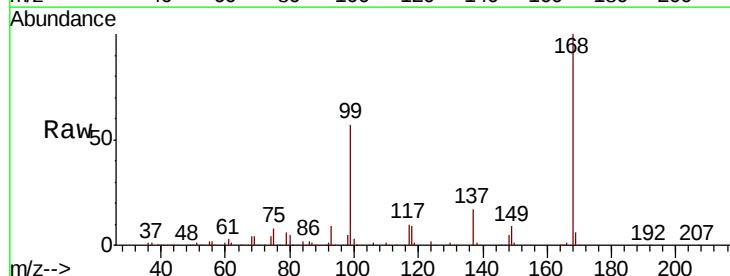
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 ClientSampleId :
 EAST-SIDE-WALL-2

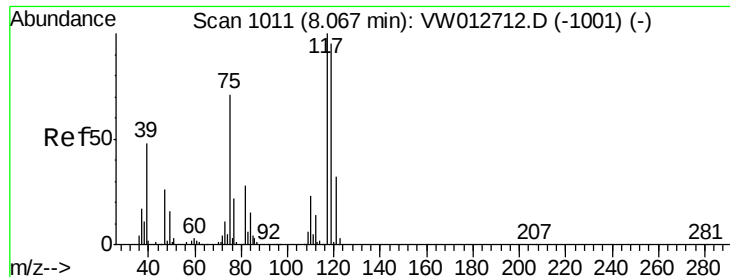
Tgt Ion: 113 Resp: 94158
 Ion Ratio Lower Upper
 113 100
 111 104.8 80.2 120.4
 192 22.3 17.3 25.9



#36
 1,1-Dichloropropene
 Concen: 6.261 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012805.D
 Acq: 09 Sep 2019 07:16

Tgt Ion: 75 Resp: 17808
 Ion Ratio Lower Upper
 75 100
 110 9.7 15.9 47.7#
 77 0.7 25.0 37.4#

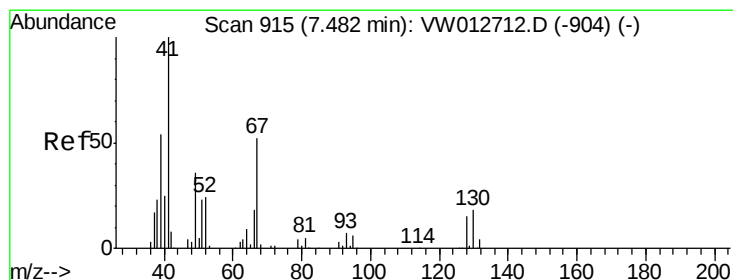
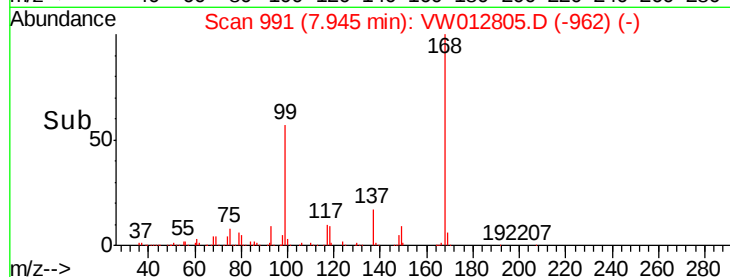
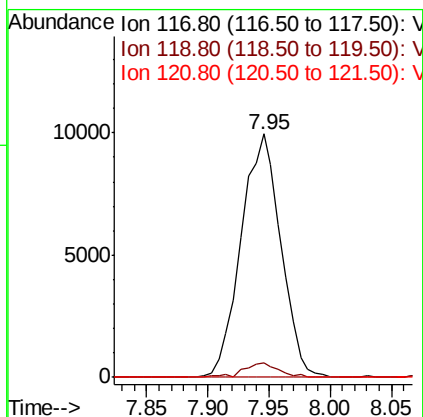
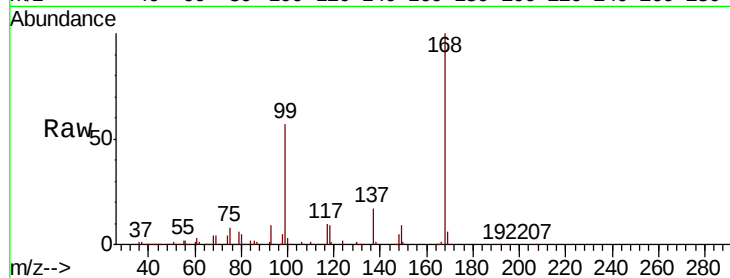




#38
Carbon Tetrachloride
Concen: 8.001 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012805.D
Acq: 09 Sep 2019 07:16

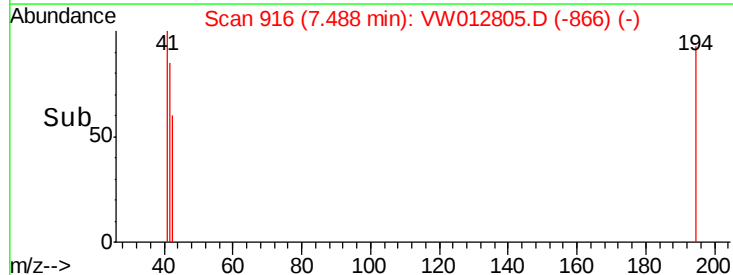
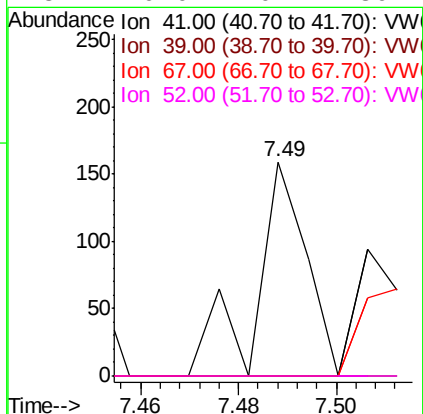
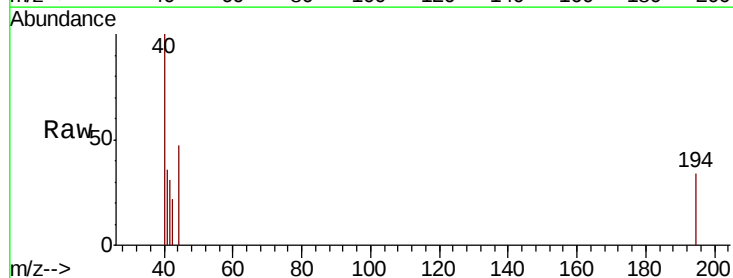
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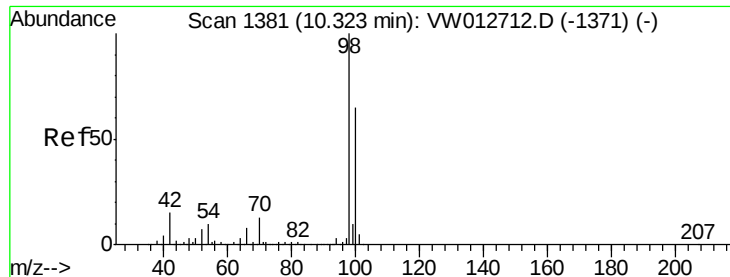
Tgt Ion: 117 Resp: 22434
Ion Ratio Lower Upper
117 100
119 5.8 76.2 114.2#
121 0.0 25.4 38.2#



#41
Methacrylonitrile
Concen: 3.923 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW012805.D
Acq: 09 Sep 2019 07:16

Tgt Ion: 41 Resp: 113
Ion Ratio Lower Upper
41 100
39 0.0 47.5 71.3#
67 0.0 45.1 67.7#
52 0.0 20.2 30.2#





#50

Toluene-d8

Concen: 49.430 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012805.D

Acq: 09 Sep 2019 07:16

Instrument :

MSVOA_W

ClientSampleId :

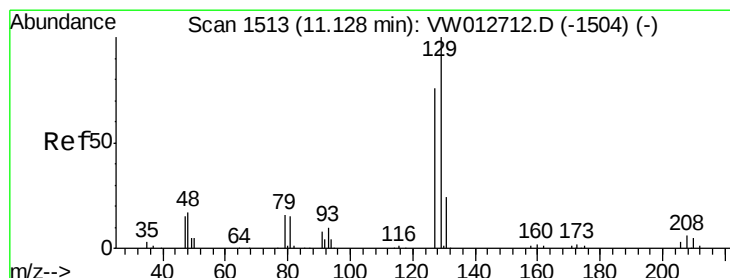
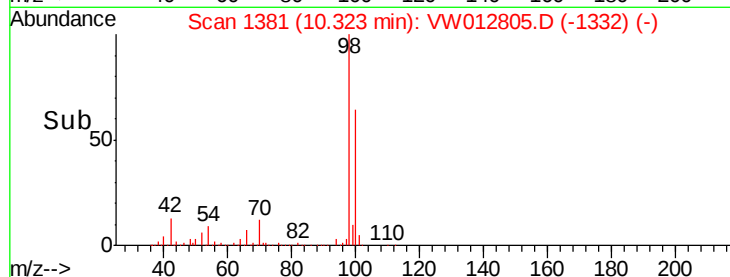
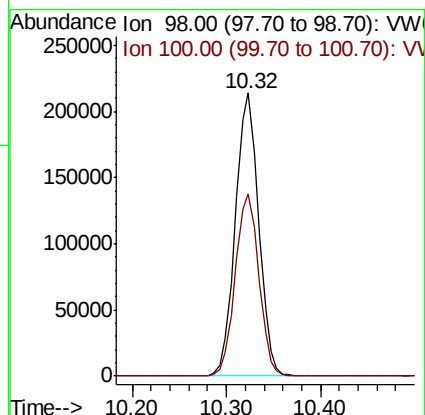
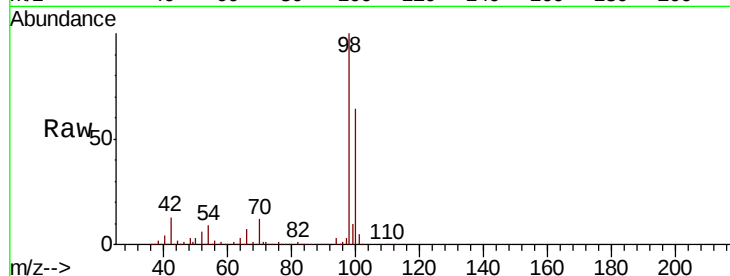
EAST-SIDE-WALL-2

Tgt Ion: 98 Resp: 368561

Ion Ratio Lower Upper

98 100

100 65.2 52.2 78.4



#60

Dibromochloromethane

Concen: 4.553 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW012805.D

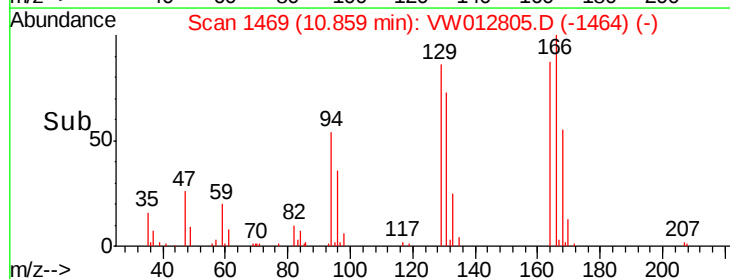
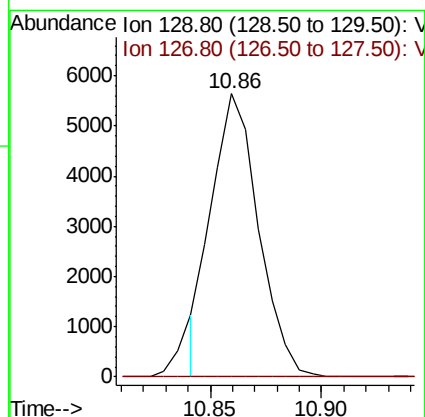
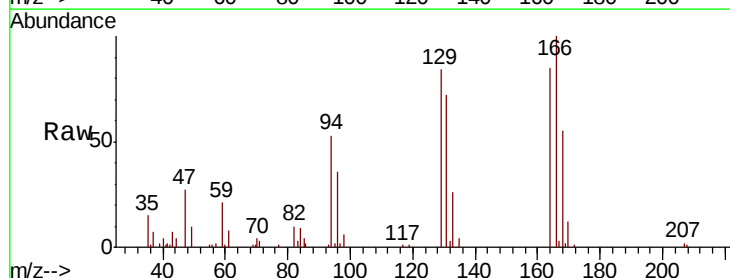
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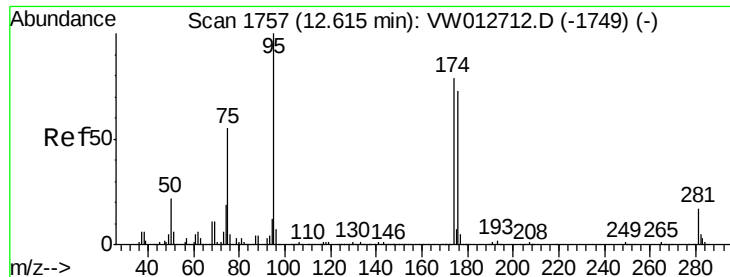
Tgt Ion: 129 Resp: 8308

Ion Ratio Lower Upper

129 100

127 0.0 38.6 115.8#

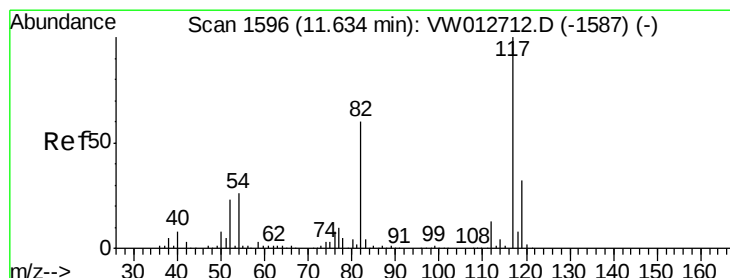
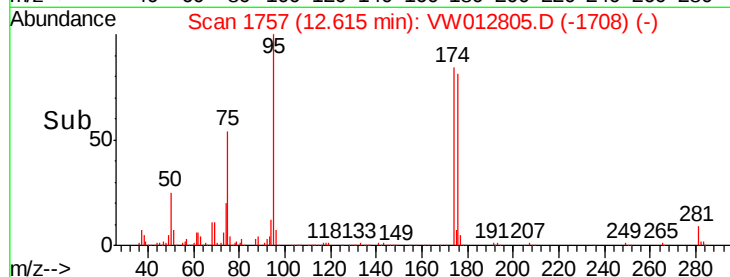
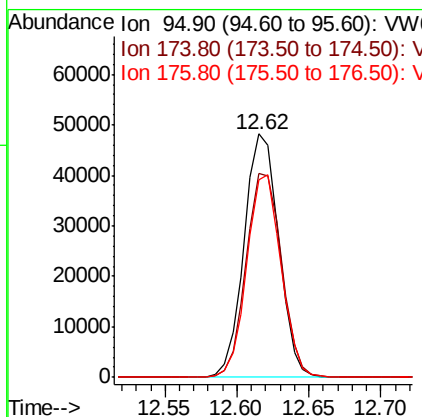
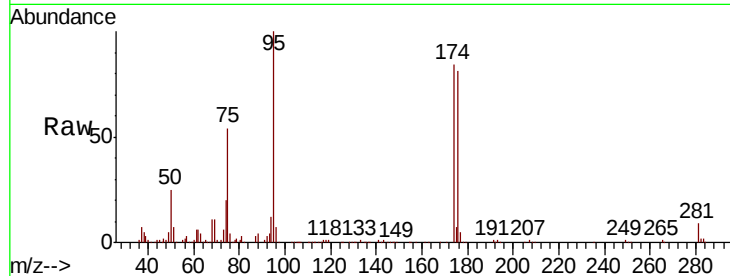




#62
4-Bromofluorobenzene
Concen: 29.569 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012805.D
Acq: 09 Sep 2019 07:16

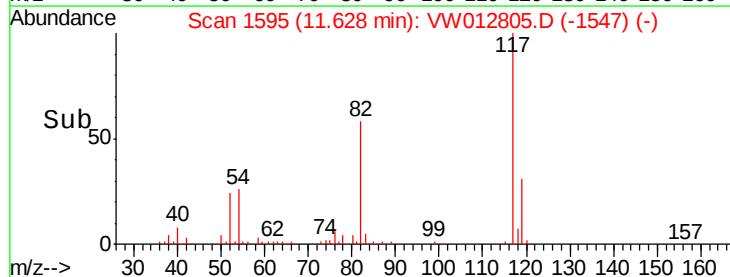
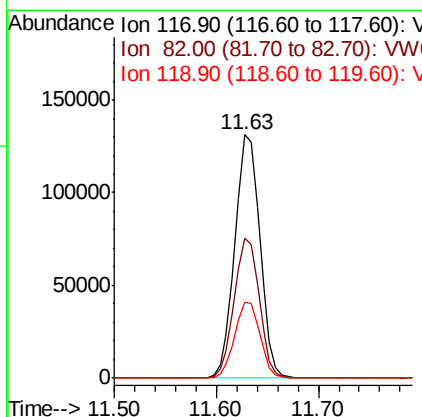
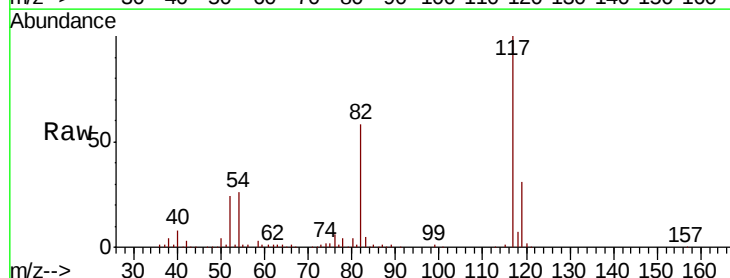
Instrument :
MSVOA_W
ClientSampleId :
EAST-SIDE-WALL-2

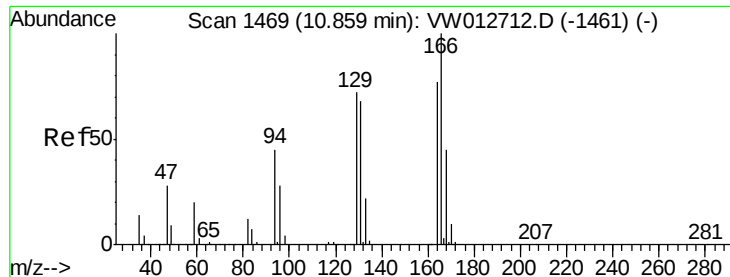
Tgt Ion: 95 Resp: 80038
Ion Ratio Lower Upper
95 100
174 85.6 0.0 161.0
176 82.3 0.0 156.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012805.D
Acq: 09 Sep 2019 07:16

Tgt Ion: 117 Resp: 223353
Ion Ratio Lower Upper
117 100
82 57.6 48.2 72.4
119 31.4 25.8 38.6





#64

Tetrachloroethene

Concen: 7.095 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW012805.D

Acq: 09 Sep 2019 07:16

Instrument :

MSVOA_W

ClientSampleId :

EAST-SIDE-WALL-2

Tgt Ion:164 Resp: 9615

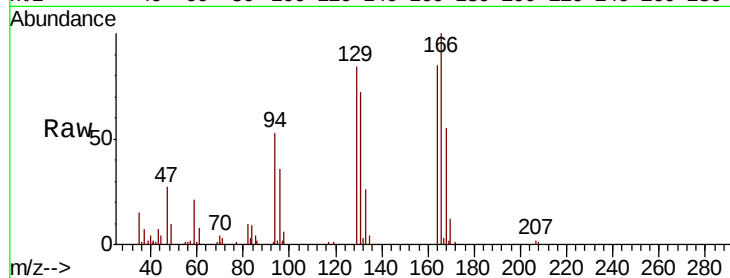
Ion Ratio Lower Upper

164 100

166 117.0 103.6 155.4

129 98.8 74.6 112.0

131 84.4 70.6 106.0



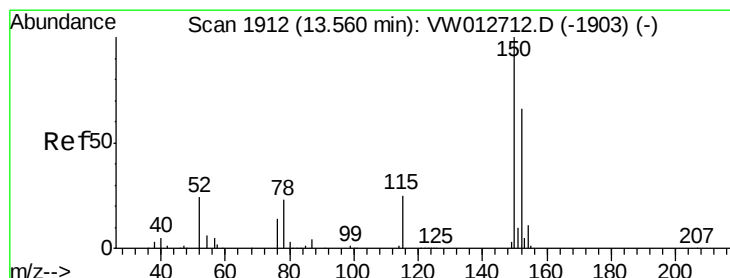
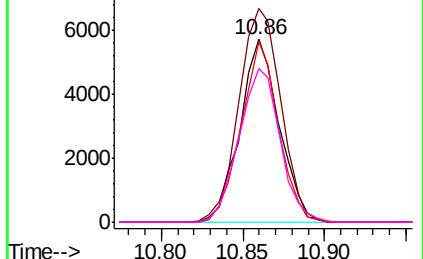
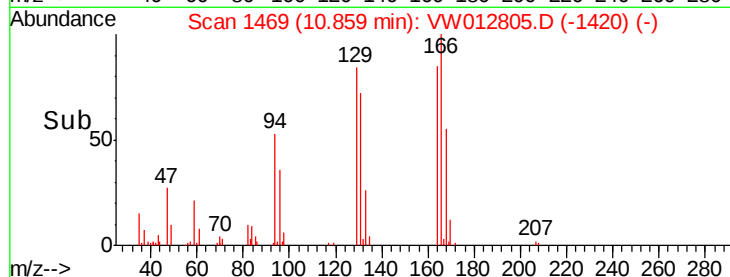
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW012805.D

Acq: 09 Sep 2019 07:16

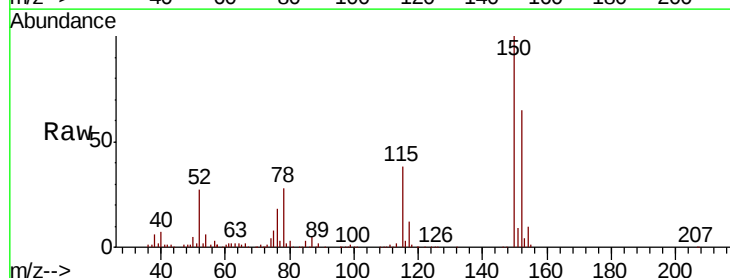
Tgt Ion:152 Resp: 60055

Ion Ratio Lower Upper

152 100

115 59.3 30.0 90.1

150 156.8 0.0 349.0

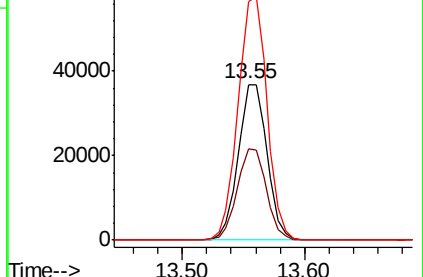
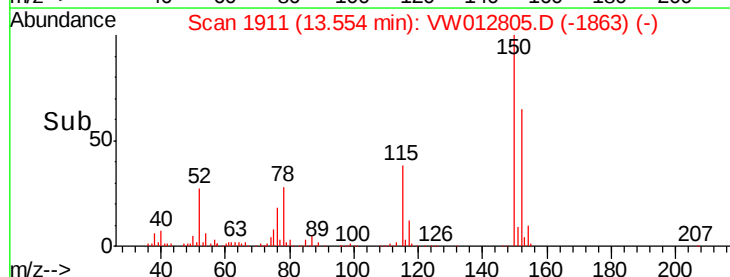


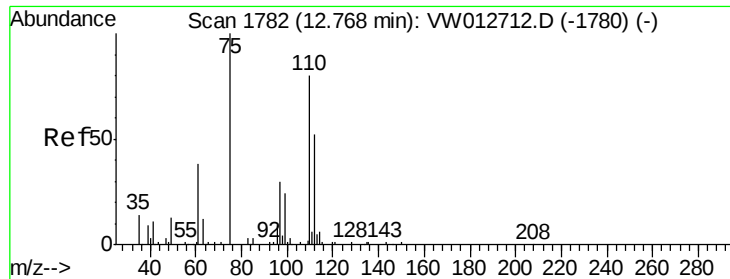
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

Time-->





#76

1,2,3-Trichloropropane

Concen: 70.184 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012805.D

Acq: 09 Sep 2019 07:16

Instrument :

MSVOA_W

ClientSampleId :

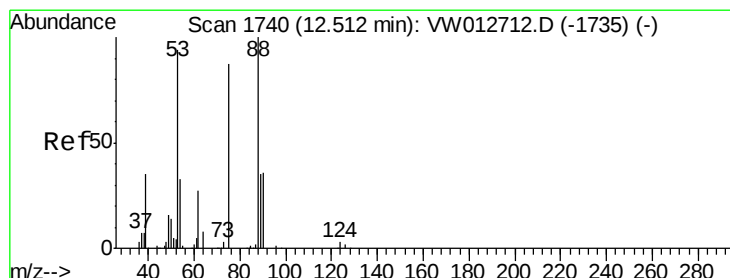
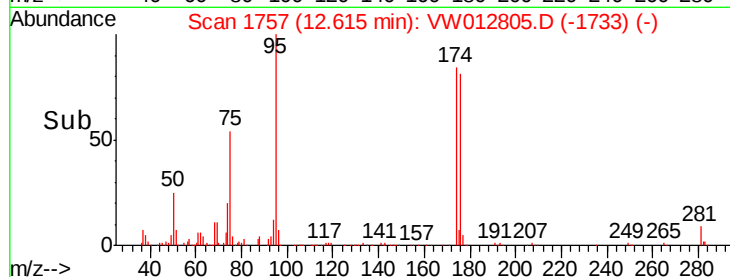
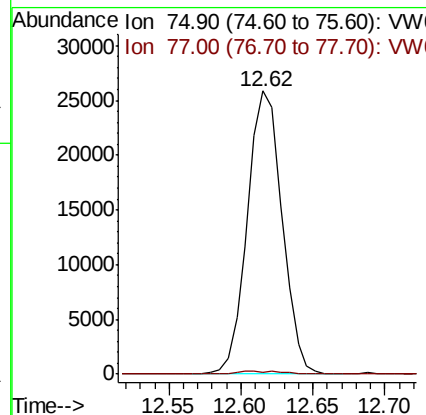
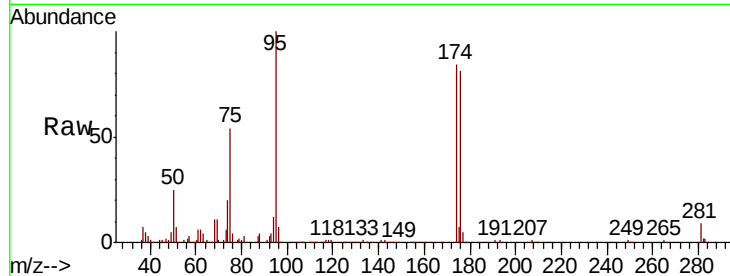
EAST-SIDE-WALL-2

Tgt Ion: 75 Resp: 43099

Ion Ratio Lower Upper

75 100

77 0.8 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 148.443 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012805.D

Acq: 09 Sep 2019 07:16

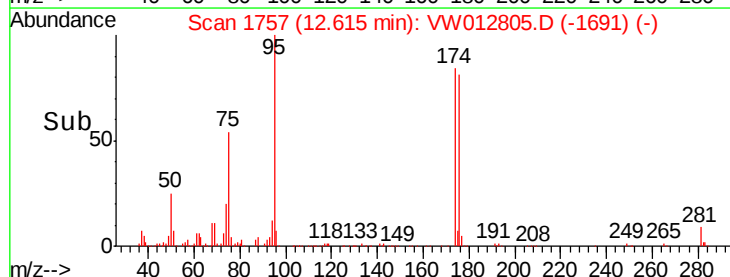
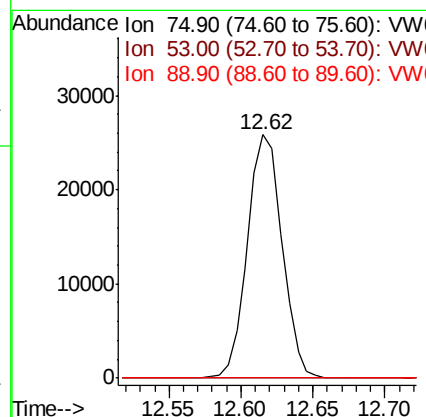
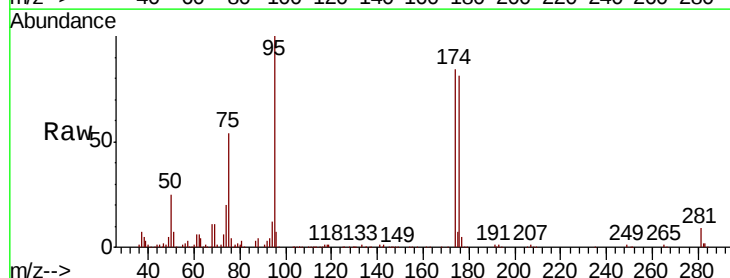
Tgt Ion: 75 Resp: 43099

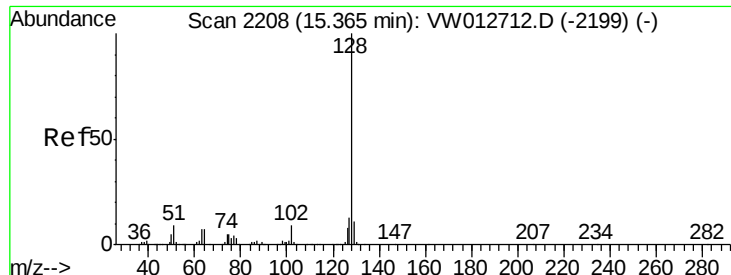
Ion Ratio Lower Upper

75 100

53 0.0 87.6 131.4#

89 0.0 35.5 53.3#





#95
Naphthalene
Concen: 4.454 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW012805.D
Acq: 09 Sep 2019 07:16

Instrument :
MSVOA_W
ClientSampleId :
EAST-SIDE-WALL-2

Tgt Ion:128 Resp: 40
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#

