

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090819\
 Data File : VW012804.D
 Acq On : 09 Sep 2019 06:51
 Operator : SY/VA
 Sample : K4760-01
 Misc : 5.25G/5ML/MSVOA_W/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EAST-SIDE-WALL-1

Quant Time: Sep 09 07:55:11 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	23843	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	33017	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	23563	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	5082	50.00	ug/l	0.00

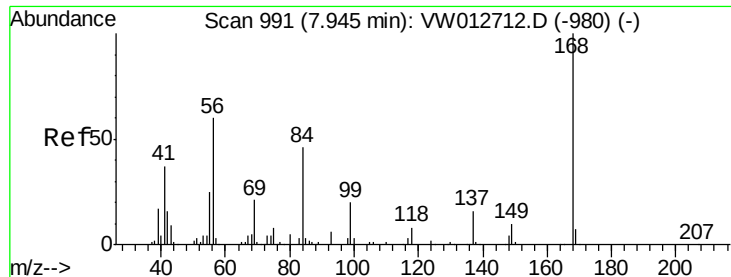
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	13663	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
35) Dibromofluoromethane	7.89	113	10551	53.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.50%	
50) Toluene-d8	10.32	98	37171	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
62) 4-Bromofluorobenzene	12.62	95	8163	29.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	58.48%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	5.15	59	219	10.744	ug/l #	72
13) Acrolein	3.94	56	57	2.635	ug/l #	14
16) Acetone	4.12	43	9687	133.380	ug/l	99
20) Methylene Chloride	4.90	84	565	2.487	ug/l	87
25) 2-Butanone	7.15	43	40	20.025	ug/l #	53
27) cis-1,2-Dichloroethene	7.18	96	428	1.837	ug/l #	1
29) Tetrahydrofuran	7.54	42	532	9.071	ug/l #	67
31) Cyclohexane	7.95	56	842	2.150	ug/l #	21
36) 1,1-Dichloropropene	7.95	75	1955	6.664	ug/l #	48
38) Carbon Tetrachloride	7.95	117	2255	7.798	ug/l #	12
41) Methacrylonitrile	7.48	41	53	4.224	ug/l #	1
44) Trichloroethene	9.10	130	1017	4.847	ug/l	97
60) Dibromochloromethane	10.87	129	1833	9.738	ug/l #	11
64) Tetrachloroethene	10.86	164	2398	16.772	ug/l #	70
76) 1,2,3-Trichloropropane	12.62	75	4315	83.036	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	4315	175.626	ug/l #	7
95) Naphthalene	15.33	128	28	4.559	ug/l #	69

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

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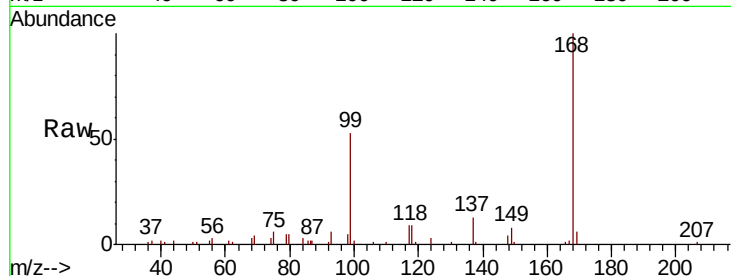
EAST-SIDE-WALL-1

Tgt Ion:168 Resp: 23843

Ion Ratio Lower Upper

168 100

99 53.5 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

12000

10000

8000

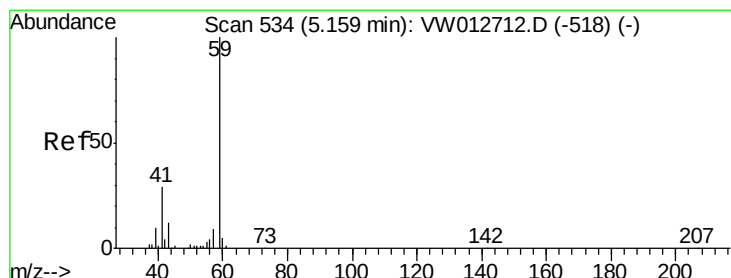
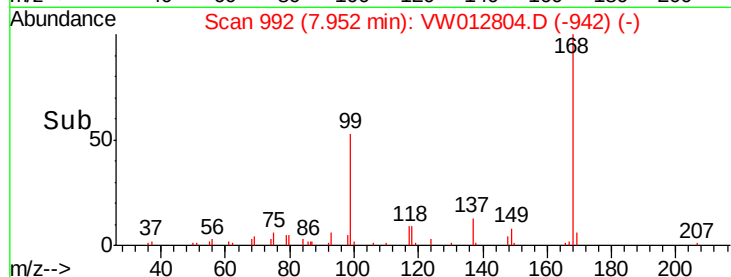
6000

4000

2000

0

Time--> 7.85 7.90 7.95 8.00 8.05



#11

Tert butyl alcohol

Concen: 10.744 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.01 min

Lab File: VW012804.D

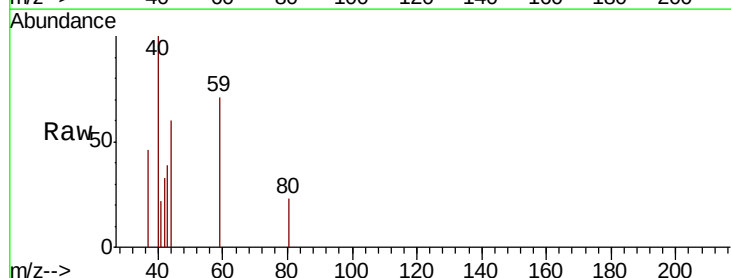
Acq: 09 Sep 2019 06:51

Tgt Ion: 59 Resp: 219

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

200

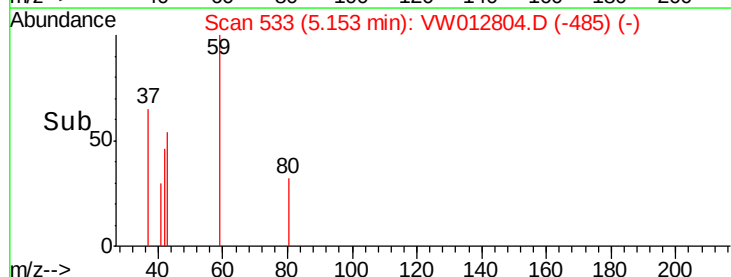
150

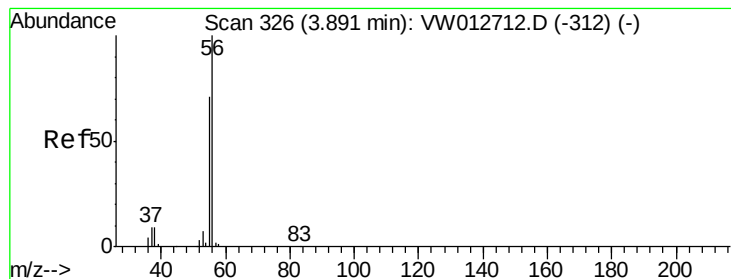
100

50

0

Time--> 5.12 5.14 5.16 5.18





#13

Acrolein

Concen: 2.635 ug/l

RT: 3.94 min Scan# 334

Delta R.T. 0.05 min

Lab File: VW012804.D

Acq: 09 Sep 2019 06:51

Instrument :

MSVOA_W

ClientSampleId :

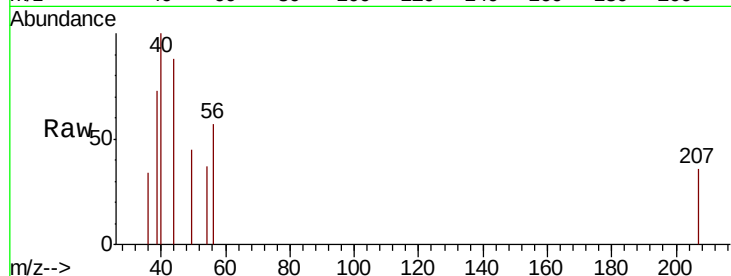
EAST-SIDE-WALL-1

Tgt Ion: 56 Resp: 57

Ion Ratio Lower Upper

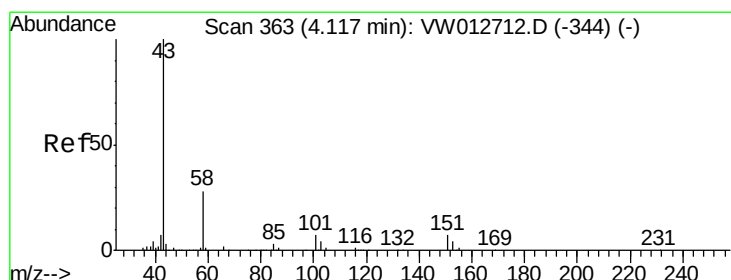
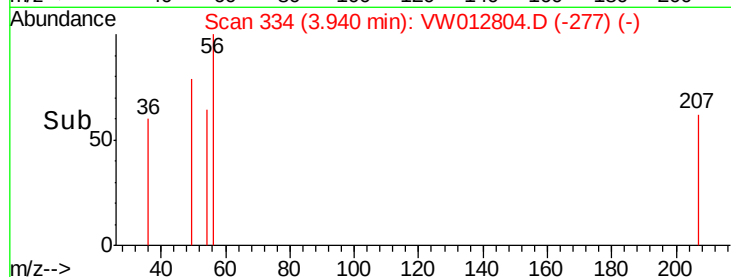
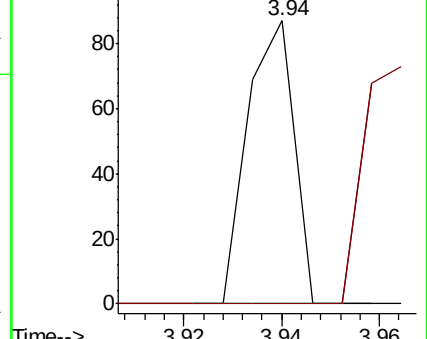
56 100

55 0.0 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 133.380 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW012804.D

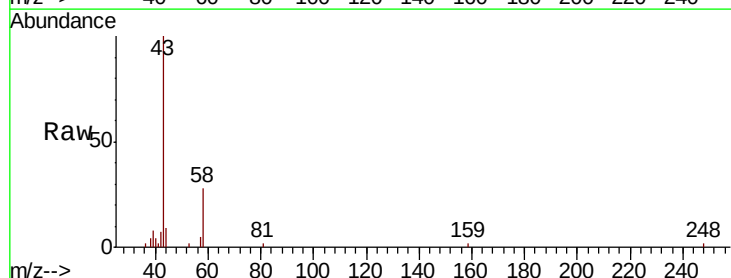
Acq: 09 Sep 2019 06:51

Tgt Ion: 43 Resp: 9687

Ion Ratio Lower Upper

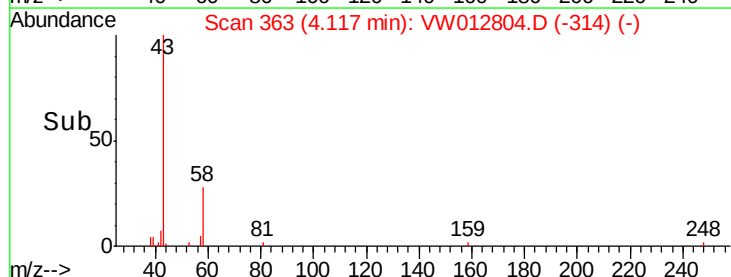
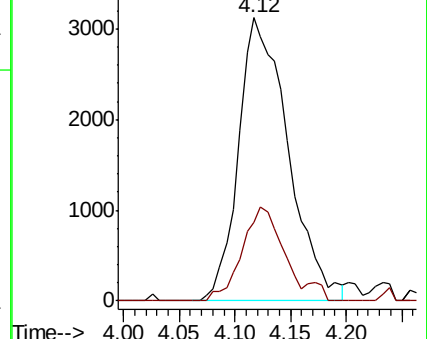
43 100

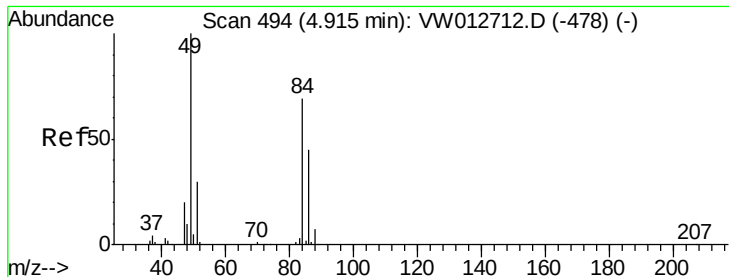
58 27.7 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#20

Methylene Chloride

Concen: 2.487 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW012804.D

Acq: 09 Sep 2019 06:51

Instrument :

MSVOA_W

ClientSampleId :

EAST-SIDE-WALL-1

Tgt Ion: 84 Resp: 565

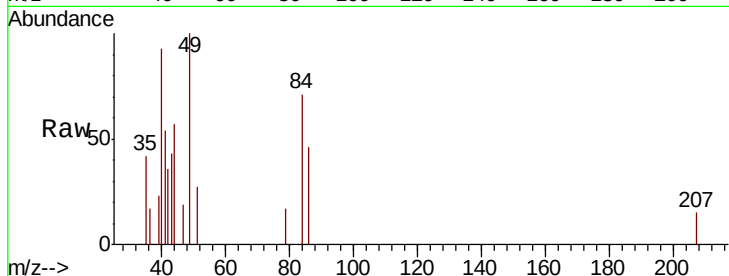
Ion Ratio Lower Upper

84 100

49 119.8 115.4 173.0

51 38.3 34.9 52.3

86 64.5 52.2 78.4

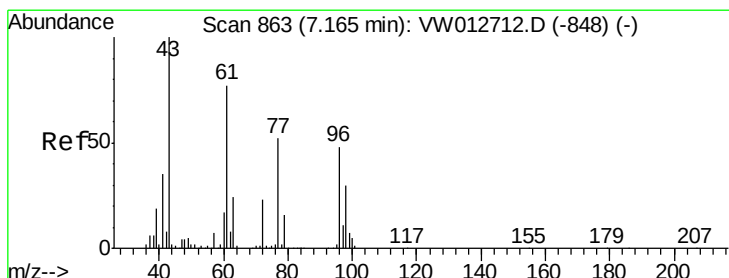
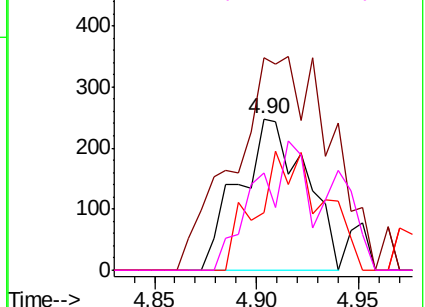
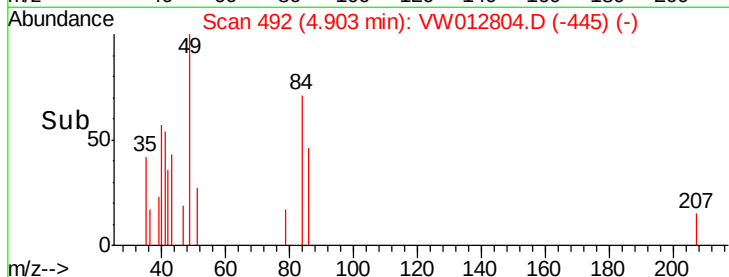


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#25

2-Butanone

Concen: 20.025 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW012804.D

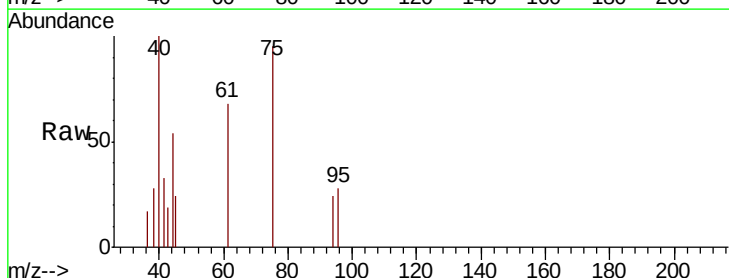
Acq: 09 Sep 2019 06:51

Tgt Ion: 43 Resp: 40

Ion Ratio Lower Upper

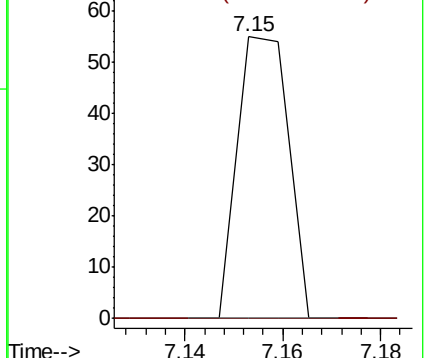
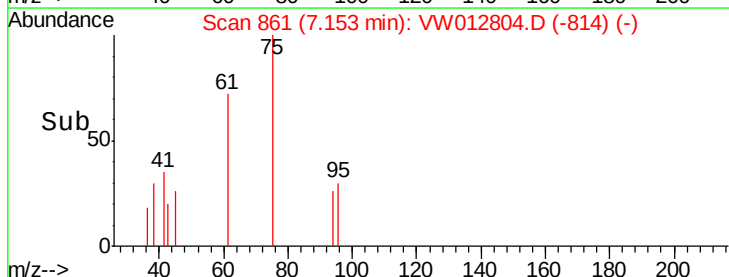
43 100

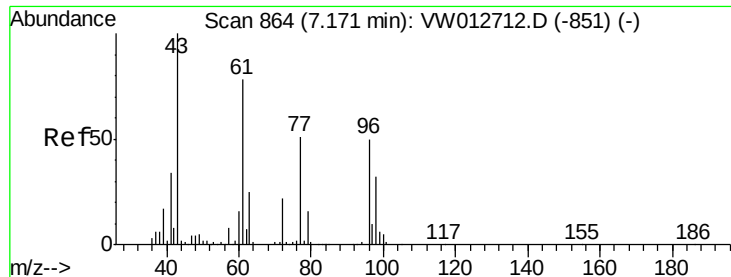
72 0.0 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



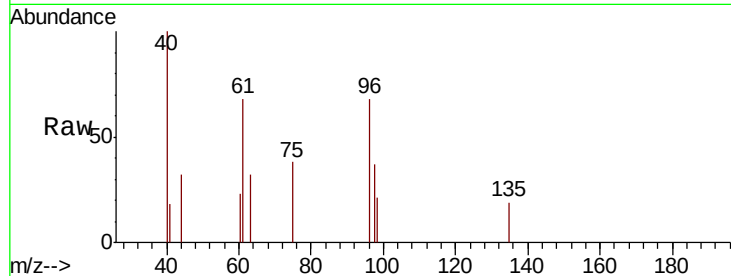


#27

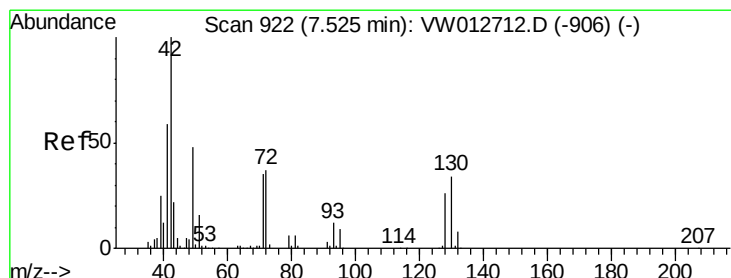
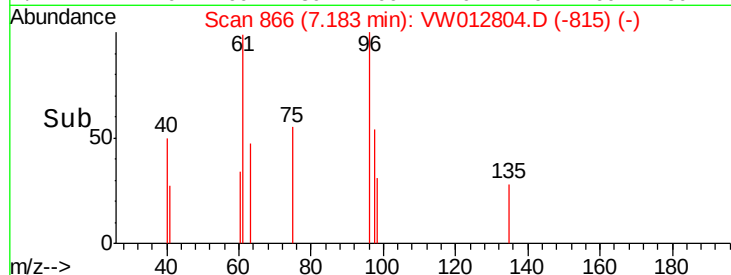
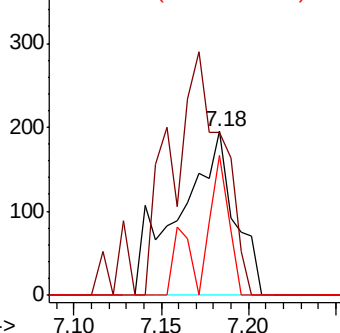
cis-1,2-Dichloroethene
 Concen: 1.837 ug/l
 RT: 7.18 min Scan# 866
 Delta R.T. 0.01 min
 Lab File: VW012804.D
 Acq: 09 Sep 2019 06:51

Instrument :
 MSVOA_W
 ClientSampleId :
 EAST-SIDE-WALL-1

Tgt Ion: 96 Resp: 428
 Ion Ratio Lower Upper
 96 100
 61 0.0 0.0 325.8
 98 28.3 0.0 127.0



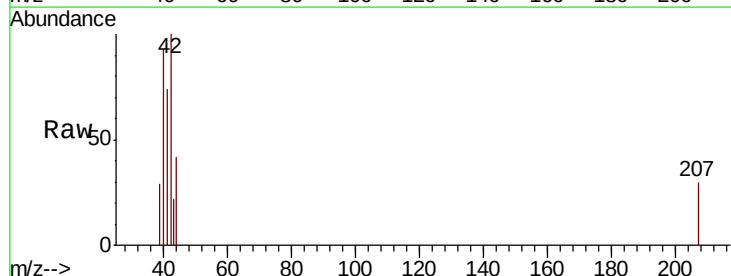
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



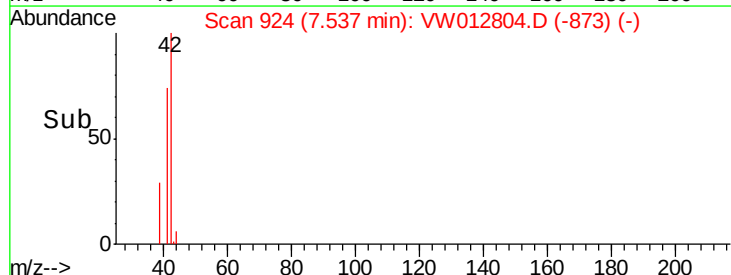
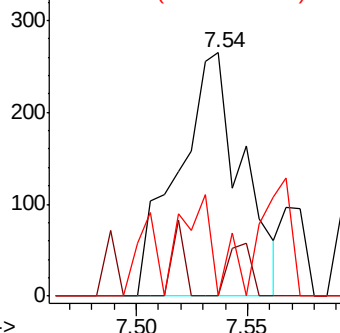
#29

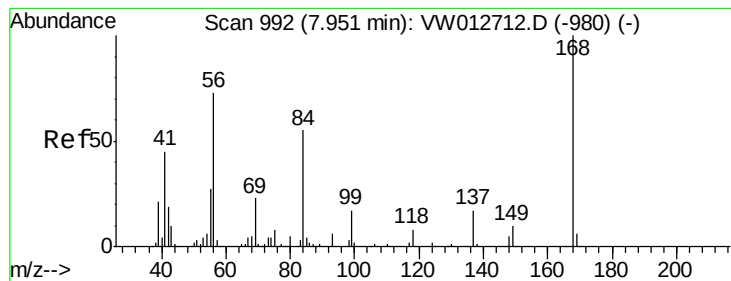
Tetrahydrofuran
 Concen: 9.071 ug/l
 RT: 7.54 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VW012804.D
 Acq: 09 Sep 2019 06:51

Tgt Ion: 42 Resp: 532
 Ion Ratio Lower Upper
 42 100
 72 7.5 28.4 42.6#
 71 23.5 27.1 40.7#



Abundance Ion 42.00 (41.70 to 42.70): VW
 Ion 72.00 (71.70 to 72.70): VW
 Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 2.150 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012804.D

Acq: 09 Sep 2019 06:51

Instrument :

MSVOA_W

ClientSampleId :

EAST-SIDE-WALL-1

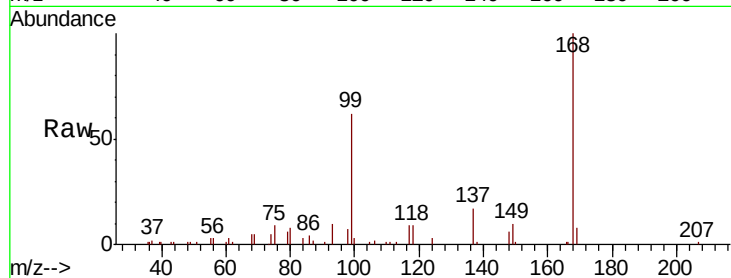
Tgt Ion: 56 Resp: 842

Ion Ratio Lower Upper

56 100

69 142.2 25.7 38.5#

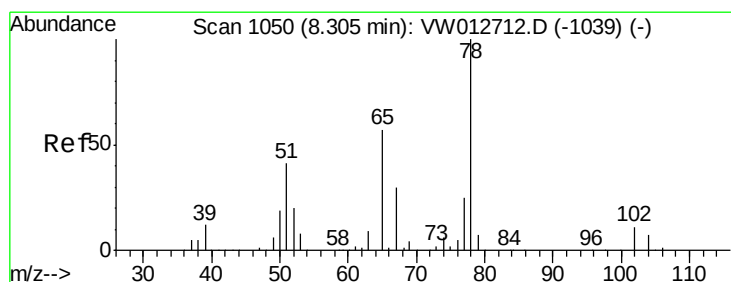
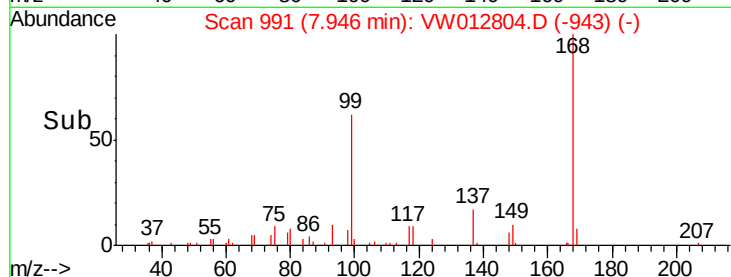
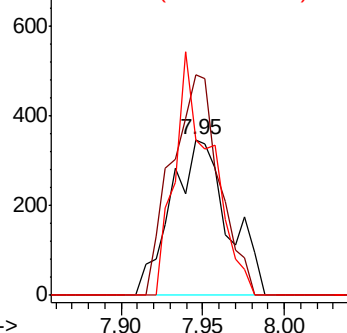
84 100.3 60.4 90.6#



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: 51.287 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012804.D

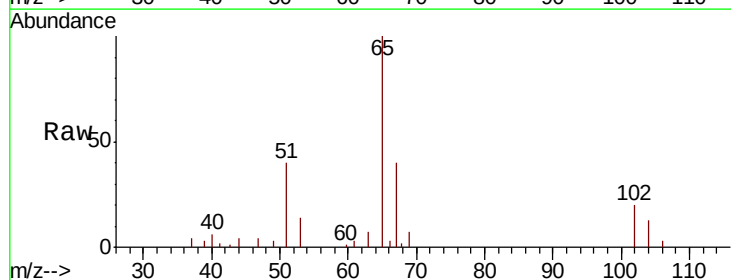
Acq: 09 Sep 2019 06:51

Tgt Ion: 65 Resp: 13663

Ion Ratio Lower Upper

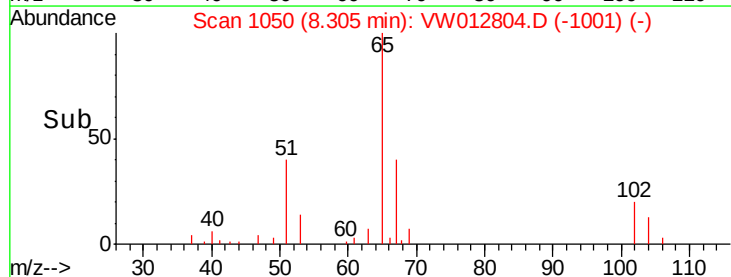
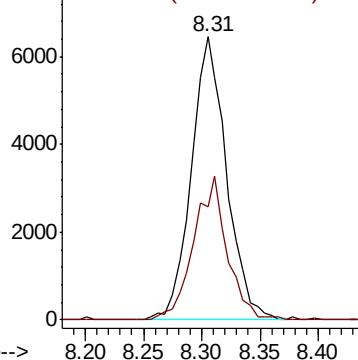
65 100

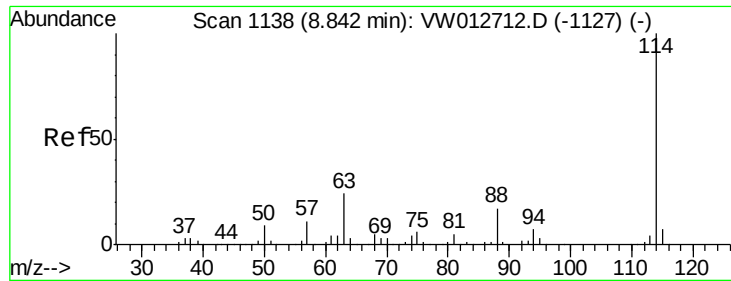
67 48.4 0.0 101.8



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

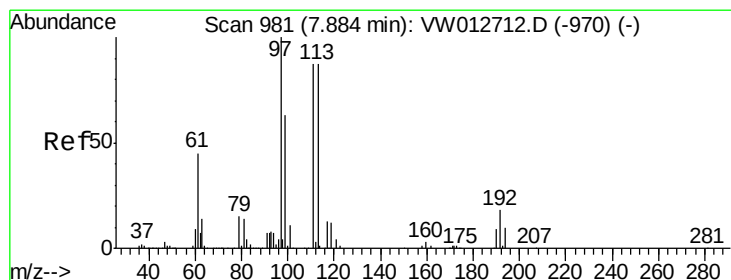
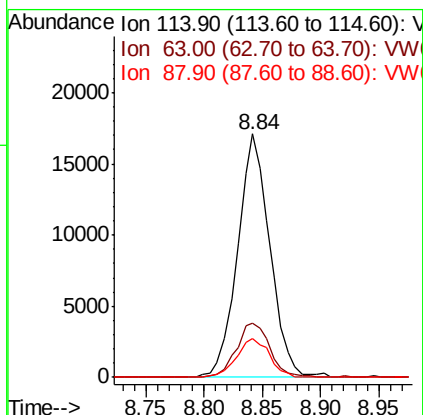
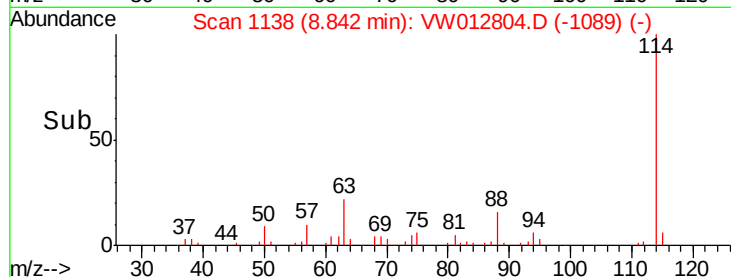
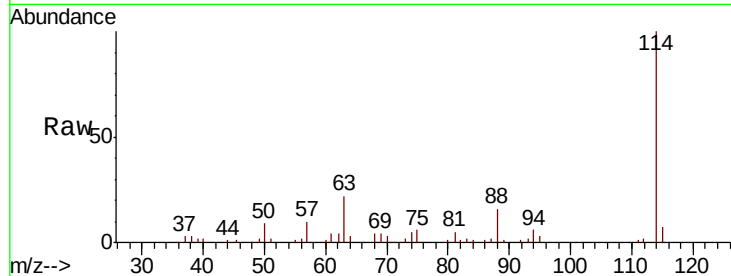




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW012804.D
Acq: 09 Sep 2019 06:51

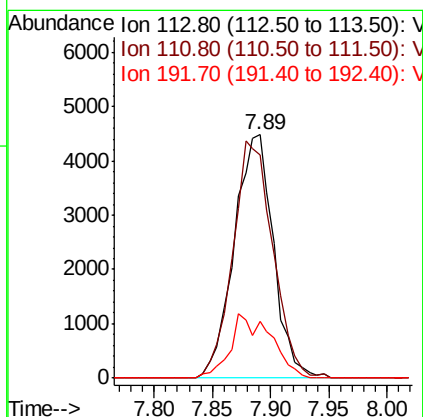
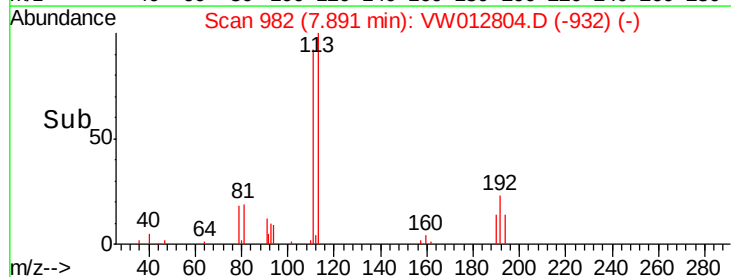
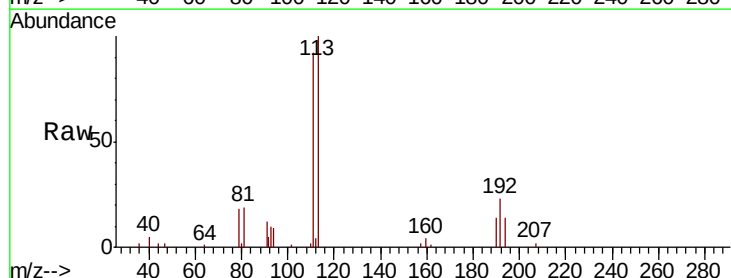
Instrument :
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EAST-SIDE-WALL-1

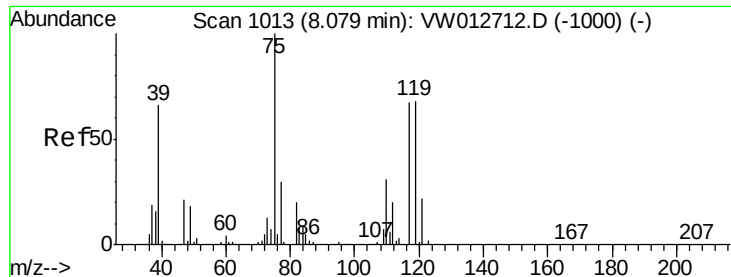
Tgt Ion:114 Resp: 33017
Ion Ratio Lower Upper
114 100
63 22.0 0.0 47.2
88 15.9 0.0 34.0



#35
Dibromofluoromethane
Concen: 53.751 ug/l
RT: 7.89 min Scan# 982
Delta R.T. 0.01 min
Lab File: VW012804.D
Acq: 09 Sep 2019 06:51

Tgt Ion:113 Resp: 10551
Ion Ratio Lower Upper
113 100
111 99.3 80.2 120.4
192 27.3 17.3 25.9#

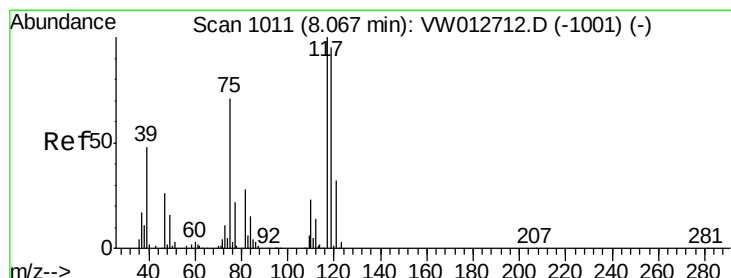
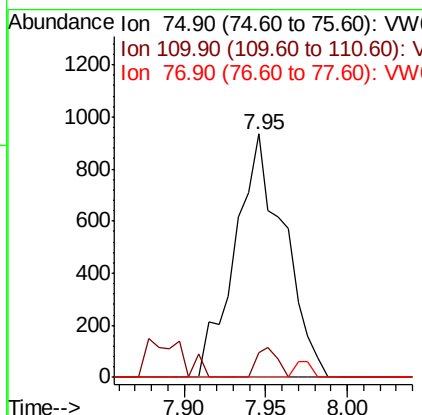
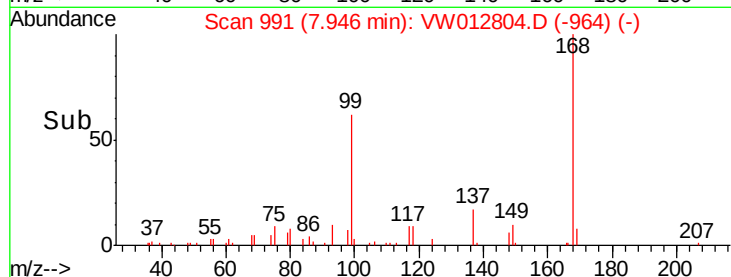
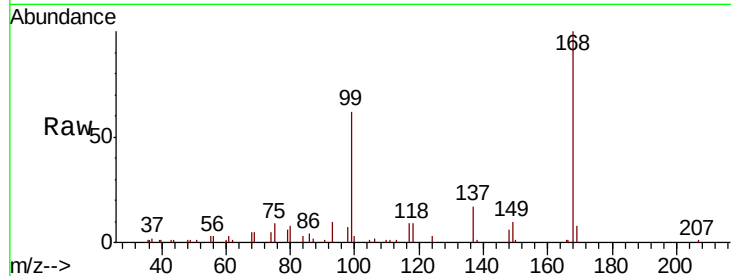




#36
 1,1-Dichloropropene
 Concen: 6.664 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012804.D
 Acq: 09 Sep 2019 06:51

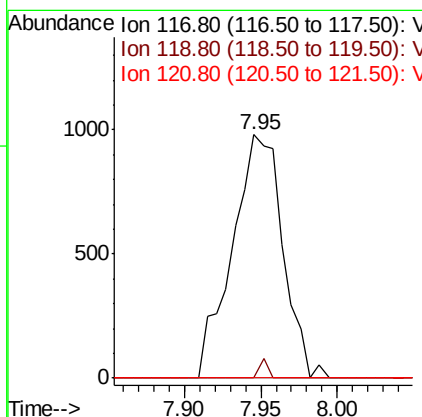
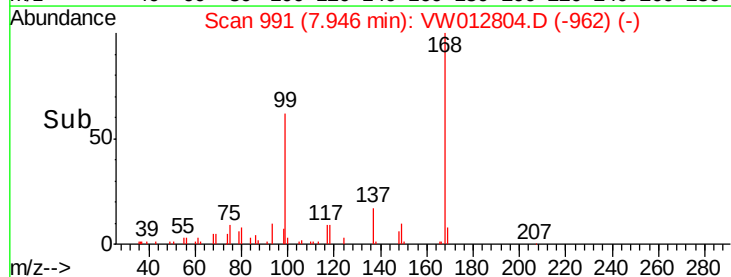
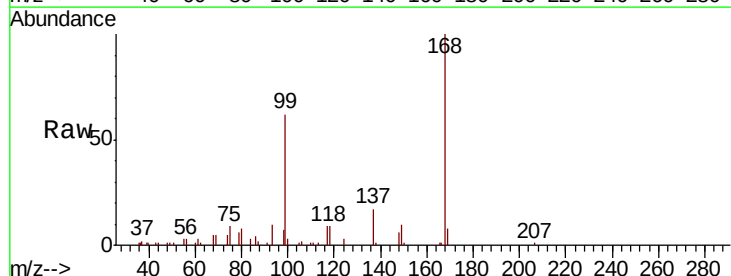
Instrument :
 MSVOA_W
 ClientSampleId :
 EAST-SIDE-WALL-1

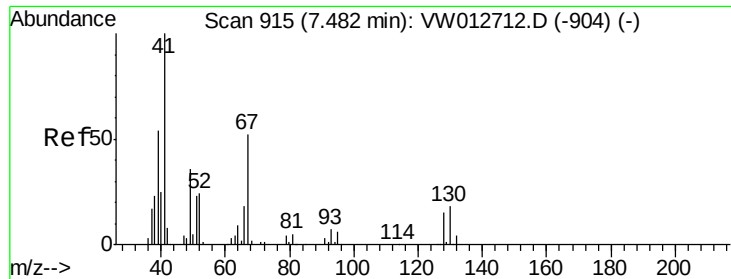
Tgt Ion	Ratio	Lower	Upper
75	100		
110	5.2	15.9	47.7#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 7.798 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012804.D
 Acq: 09 Sep 2019 06:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	0.0	76.2	114.2#
121	0.0	25.4	38.2#

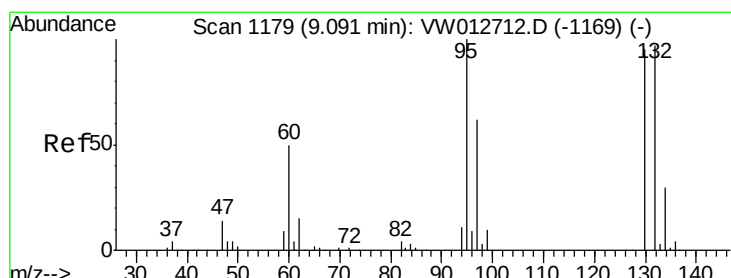
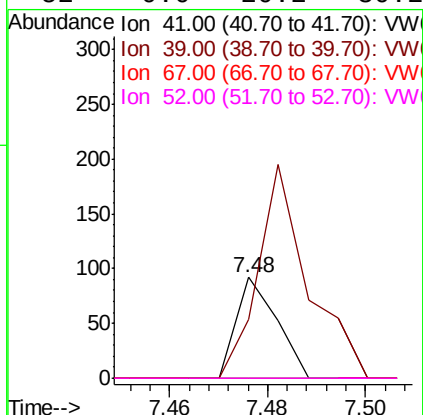
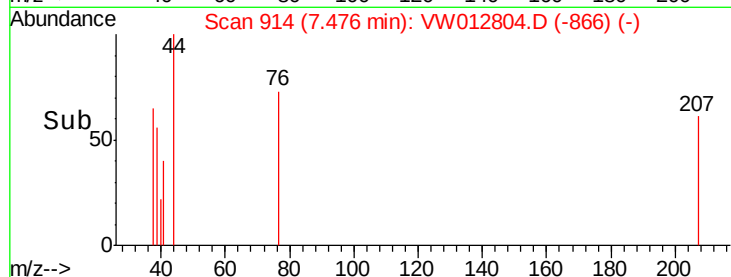
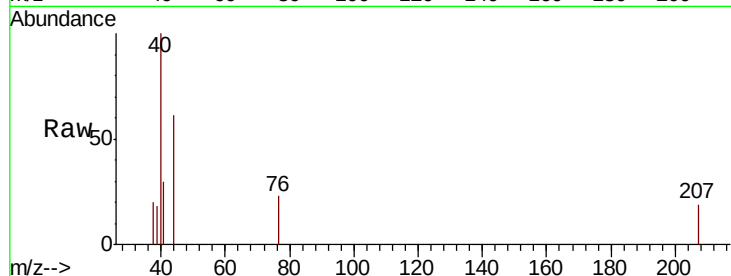




#41
Methacrylonitrile
Concen: 4.224 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW012804.D
Acq: 09 Sep 2019 06:51

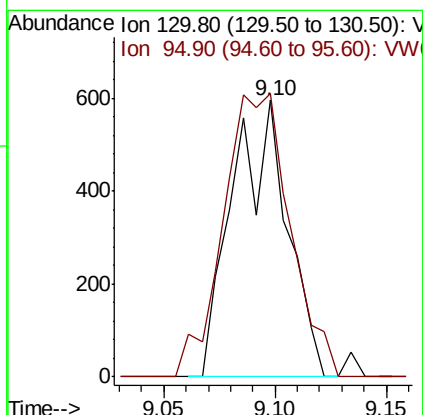
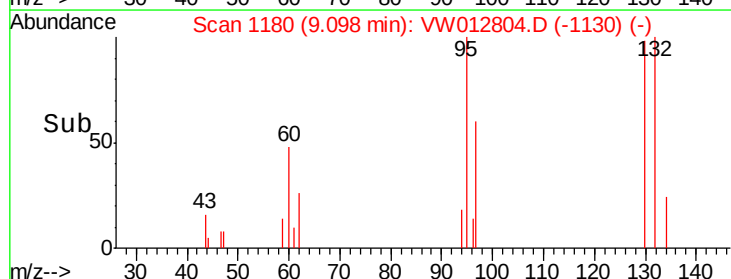
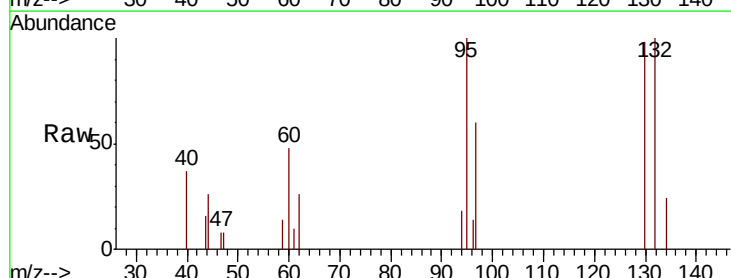
Instrument :
MSVOA_W
ClientSampleId :
EAST-SIDE-WALL-1

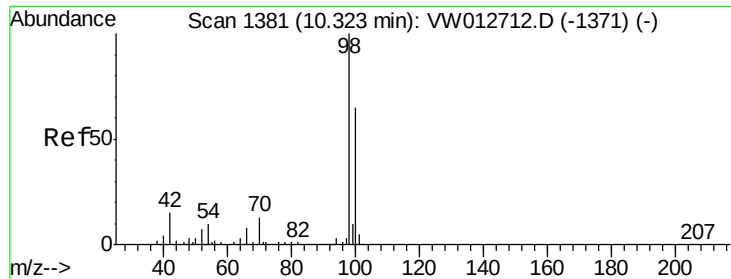
Tgt Ion: 41 Resp: 53
Ion Ratio Lower Upper
41 100
39 258.5 47.5 71.3#
67 0.0 45.1 67.7#
52 0.0 20.2 30.2#



#44
Trichloroethene
Concen: 4.847 ug/l
RT: 9.10 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VW012804.D
Acq: 09 Sep 2019 06:51

Tgt Ion: 130 Resp: 1017
Ion Ratio Lower Upper
130 100
95 102.2 0.0 210.6

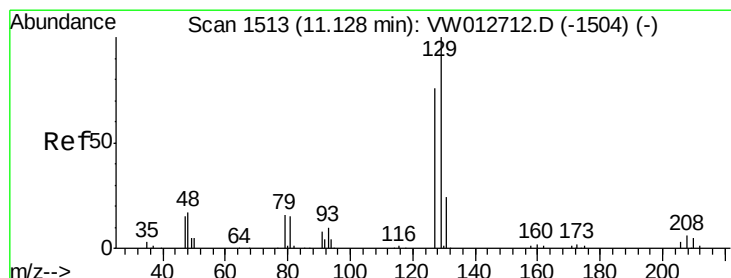
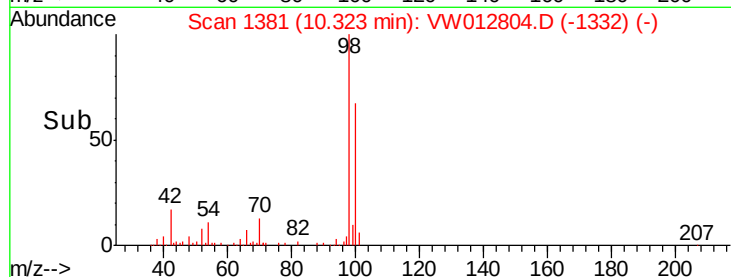
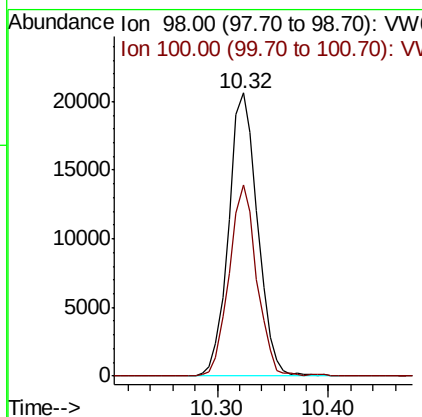
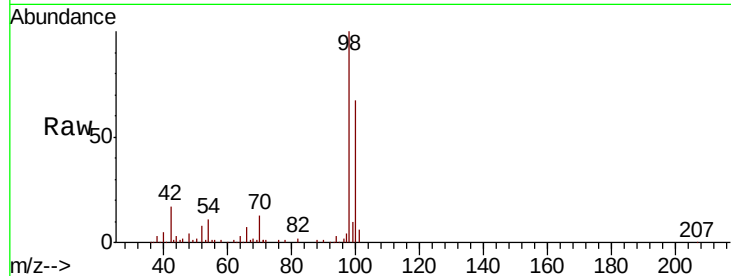




#50
Toluene-d8
Concen: 48.334 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012804.D
Acq: 09 Sep 2019 06:51

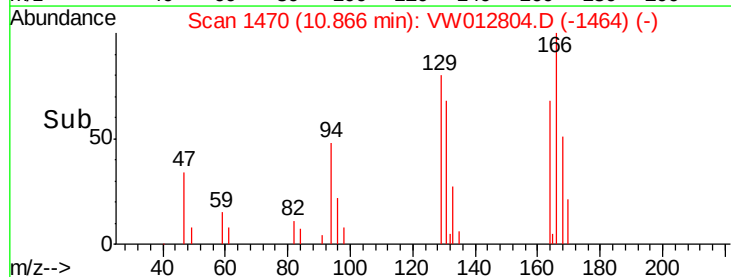
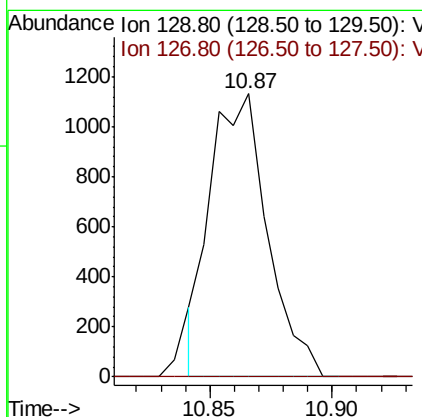
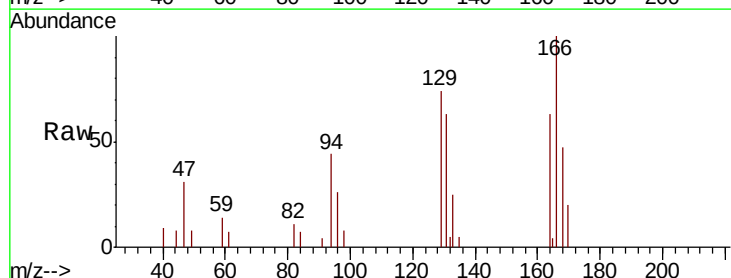
Instrument :
MSVOA_W
ClientSampleId :
EAST-SIDE-WALL-1

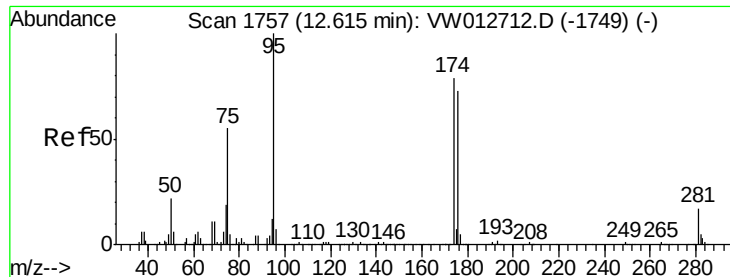
Tgt Ion: 98 Resp: 37171
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.4



#60
Dibromochloromethane
Concen: 9.738 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.26 min
Lab File: VW012804.D
Acq: 09 Sep 2019 06:51

Tgt Ion: 129 Resp: 1833
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#

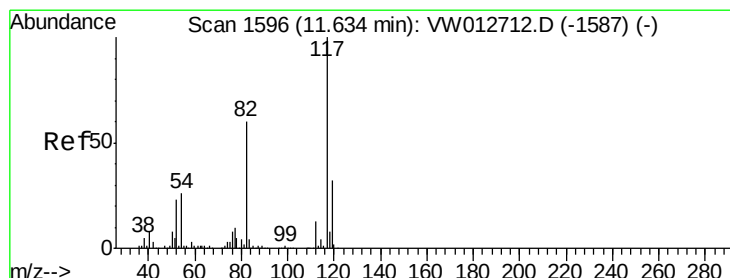
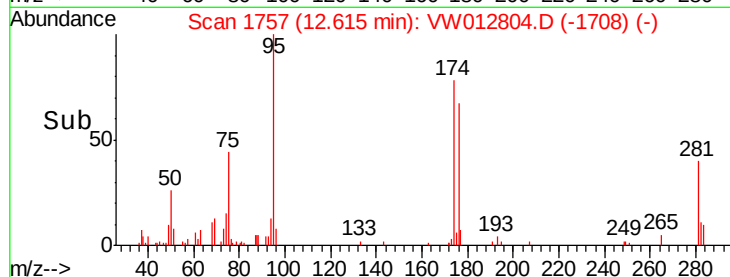
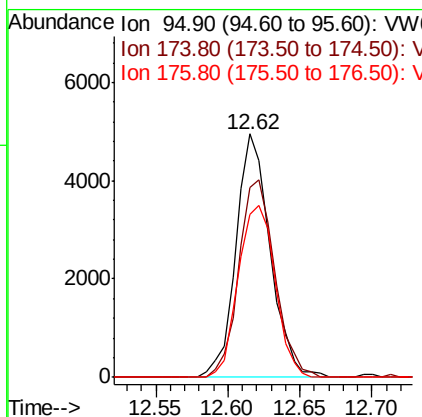
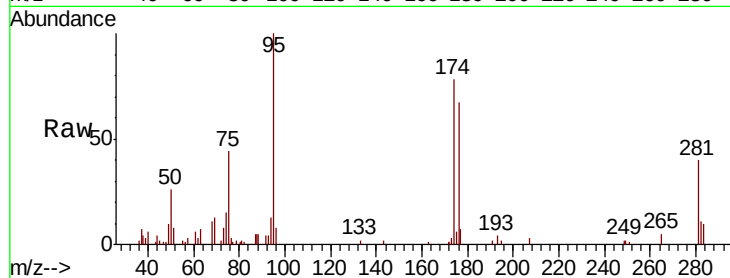




#62
4-Bromofluorobenzene
Concen: 29.239 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012804.D
Acq: 09 Sep 2019 06:51

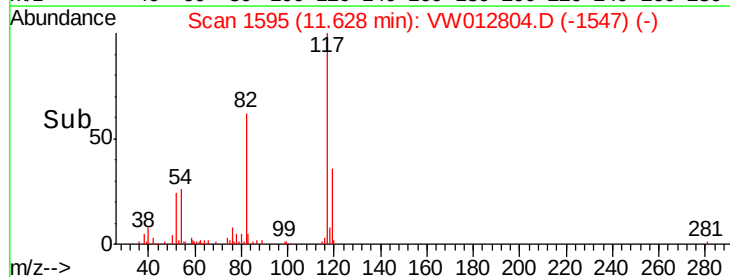
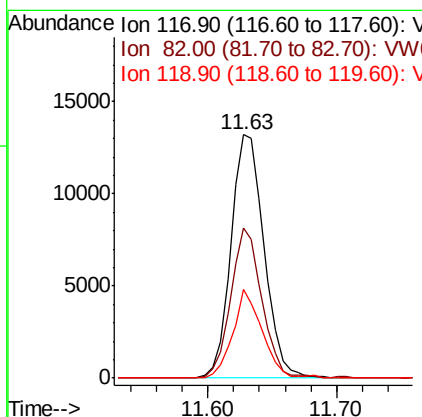
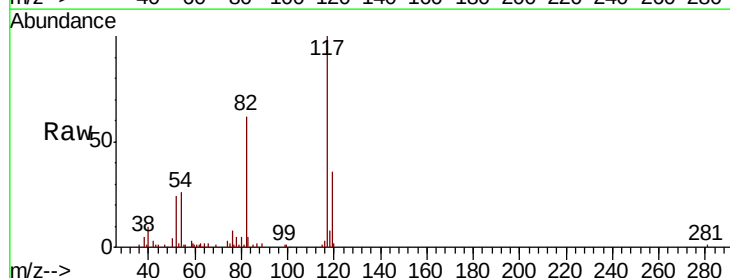
Instrument :
MSVOA_W
ClientSampleId :
EAST-SIDE-WALL-1

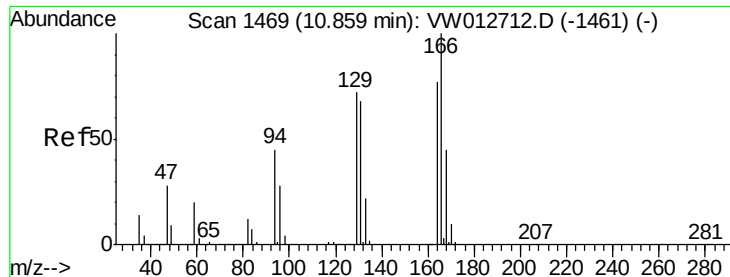
Tgt Ion: 95 Resp: 8163
Ion Ratio Lower Upper
95 100
174 85.3 0.0 161.0
176 76.1 0.0 156.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012804.D
Acq: 09 Sep 2019 06:51

Tgt Ion: 117 Resp: 23563
Ion Ratio Lower Upper
117 100
82 61.8 48.2 72.4
119 36.3 25.8 38.6





#64

Tetrachloroethene

Concen: 16.772 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW012804.D

Acq: 09 Sep 2019 06:51

Instrument :

MSVOA_W

ClientSampleId :

EAST-SIDE-WALL-1

Tgt Ion:164 Resp: 2398

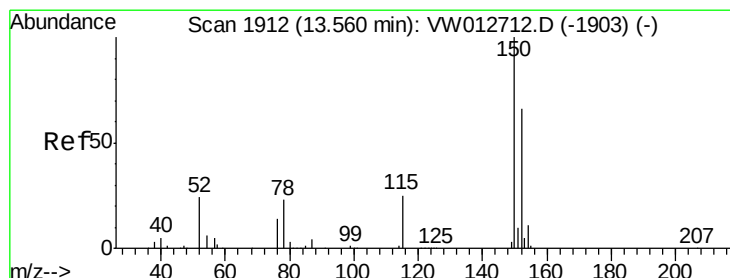
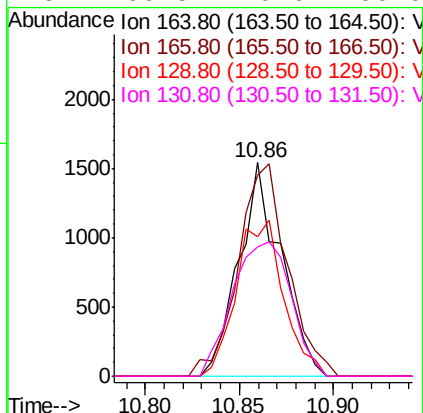
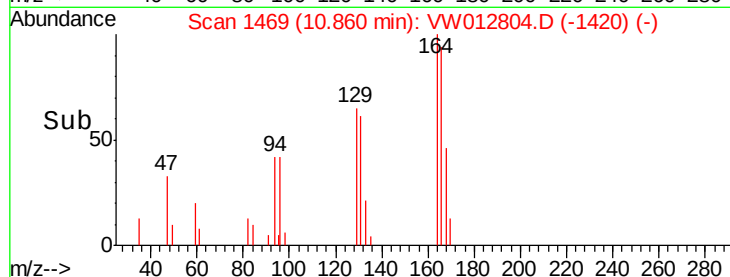
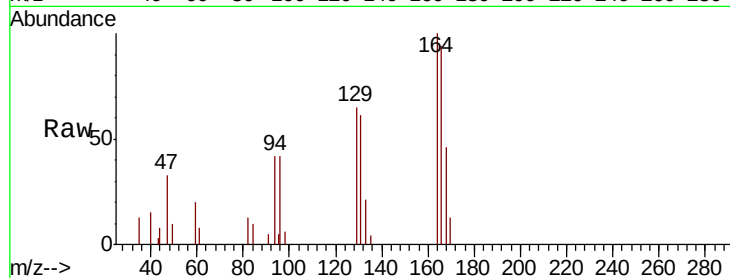
Ion Ratio Lower Upper

164 100

166 94.0 103.6 155.4#

129 65.1 74.6 112.0#

131 60.5 70.6 106.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW012804.D

Acq: 09 Sep 2019 06:51

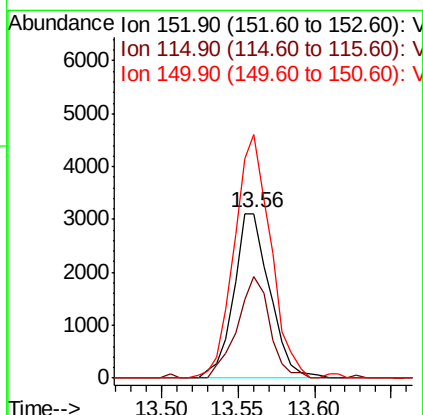
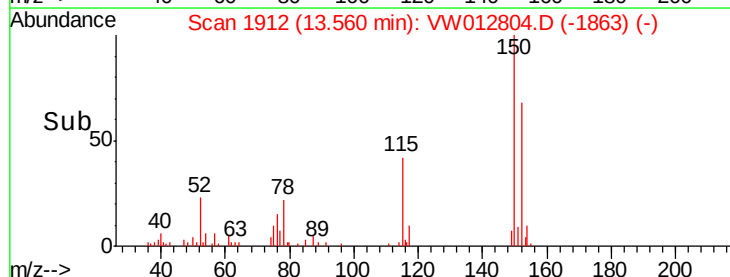
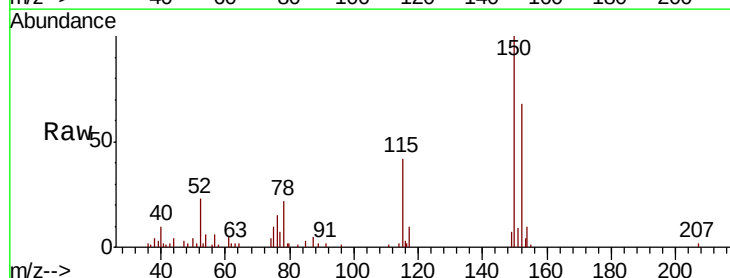
Tgt Ion:152 Resp: 5082

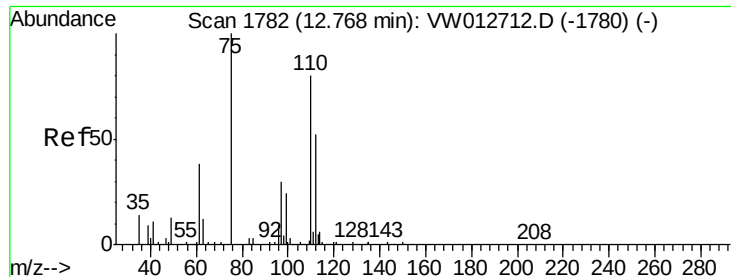
Ion Ratio Lower Upper

152 100

115 56.0 30.0 90.1

150 148.3 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 83.036 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW012804.D

Acq: 09 Sep 2019 06:51

Instrument :

MSVOA_W

ClientSampleId :

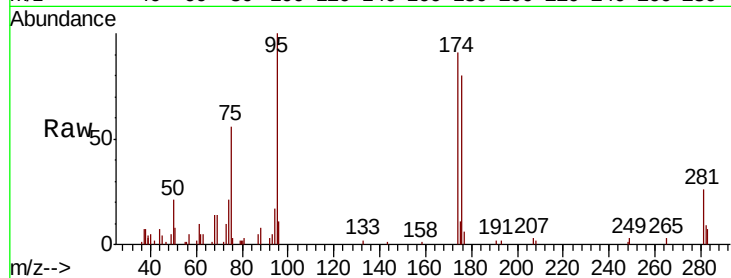
EAST-SIDE-WALL-1

Tgt Ion: 75 Resp: 4315

Ion Ratio Lower Upper

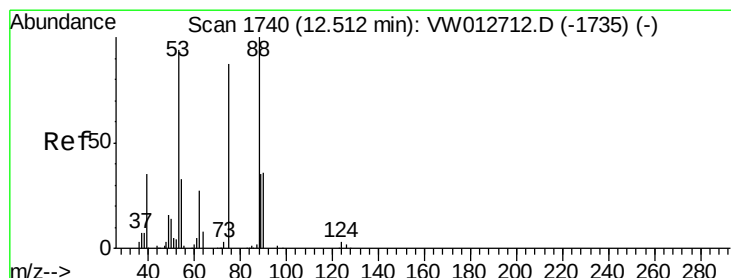
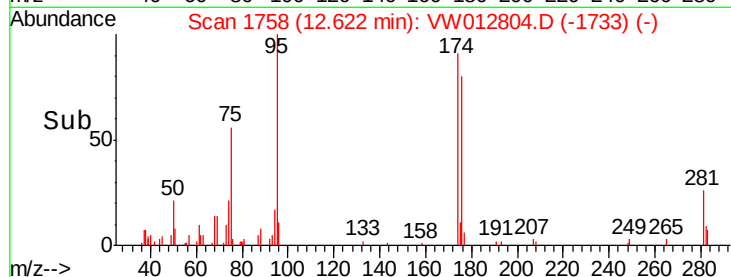
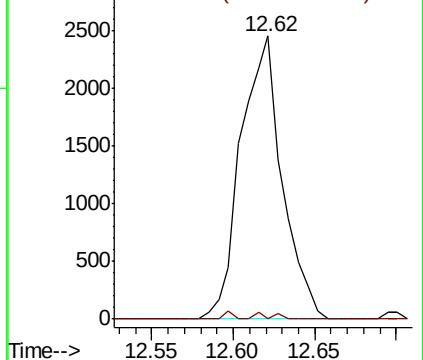
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#81

trans-1,4-Dichloro-2-butene

Concen: 175.626 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW012804.D

Acq: 09 Sep 2019 06:51

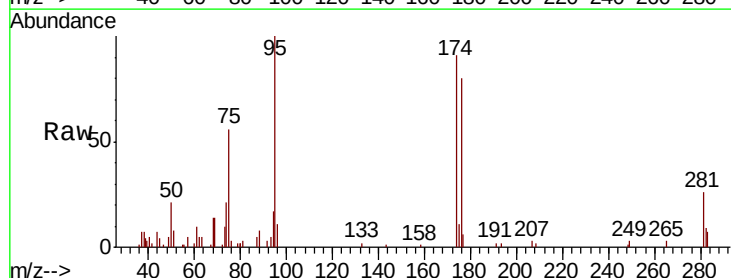
Tgt Ion: 75 Resp: 4315

Ion Ratio Lower Upper

75 100

53 0.0 87.6 131.4#

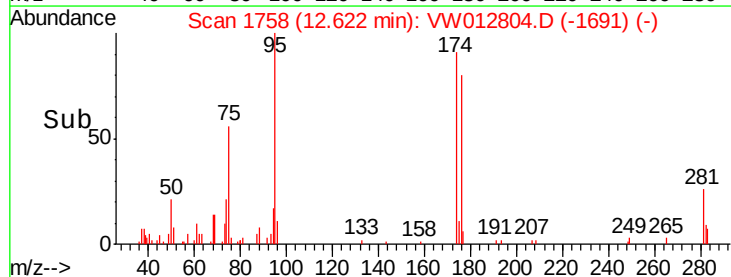
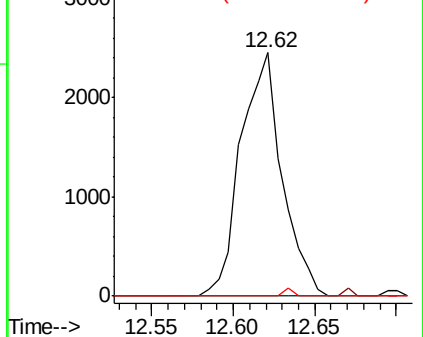
89 0.7 35.5 53.3#

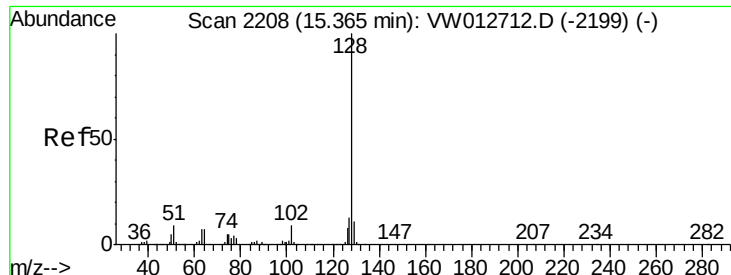


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95
Naphthalene
Concen: 4.559 ug/l
RT: 15.33 min Scan# 2202
Delta R.T. -0.04 min
Lab File: VW012804.D
Acq: 09 Sep 2019 06:51

Instrument :
MSVOA_W
ClientSampleId :
EAST-SIDE-WALL-1

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

