

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082120\
 Data File : VW016284.D
 Acq On : 21 Aug 2020 01:36
 Operator : SY/VA
 Sample : L3499-01RE
 Misc : 7.69G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HD-01-081820

Quant Time: Aug 21 03:51:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081420S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 17 08:01:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	180781	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	300807	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	238995	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	94196	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	61435	34.85	ug/l	0.00
Spiked Amount			Recovery	=	69.70%	
35) Dibromofluoromethane	7.89	113	80885	43.58	ug/l	0.00
Spiked Amount			Recovery	=	87.16%	
50) Toluene-d8	10.32	98	356193	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.62	95	106183	41.35	ug/l	0.00
Spiked Amount			Recovery	=	82.70%	

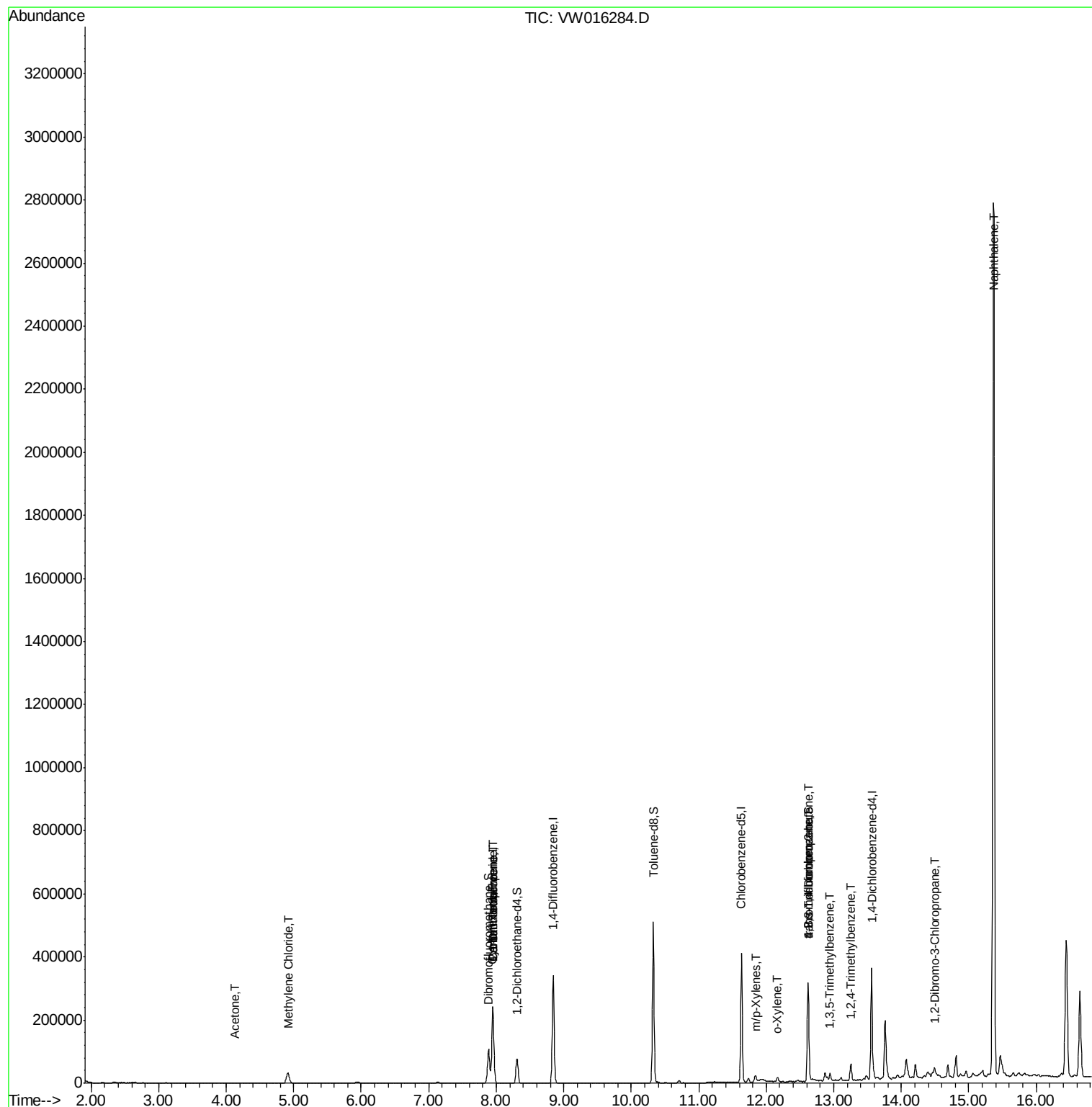
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.14	43	500	1.480	ug/l #	42
20) Methylene Chloride	4.92	84	27538	9.082	ug/l	91
31) Cyclohexane	7.94	56	3618	1.125	ug/l #	2
36) 1,1-Dichloropropene	7.95	75	13242	4.469	ug/l #	49
38) Carbon Tetrachloride	7.95	117	18636	6.302	ug/l #	17
68) m/p-Xylenes	11.84	106	5774	1.706	ug/l	98
69) o-Xylene	12.16	106	3588	1.190	ug/l	94
76) 1,2,3-Trichloropropane	12.62	75	50108	57.842	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.94	105	12610	2.046	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.62	75	50108	138.741	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.26	105	29516	4.841	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	935	5.064	ug/l #	11
95) Naphthalene	15.37	128	2469617	665.124	ug/l	100

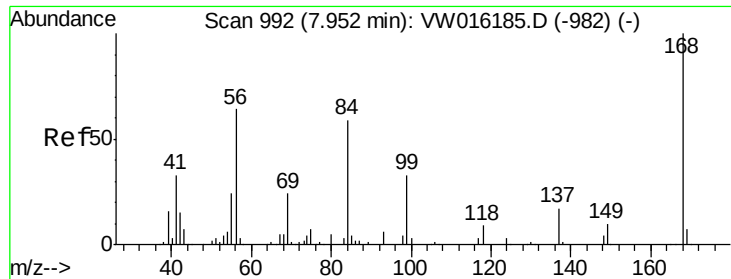
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW016284.D

Acq: 21 Aug 2020 01:36

Instrument :

MSVOA_W

ClientSampleId :

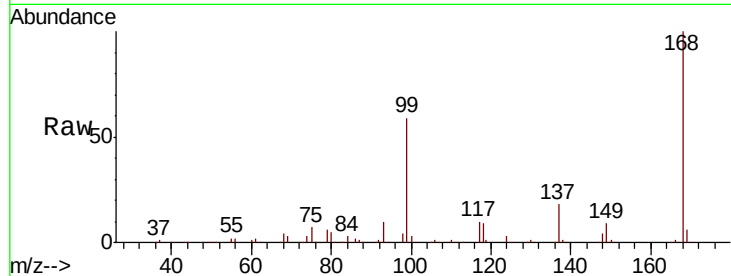
HD-01-081820

Tot Ion:168 Resp: 180781

Ion Ratio Lower Upper

168 100

99 59.4 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

40000

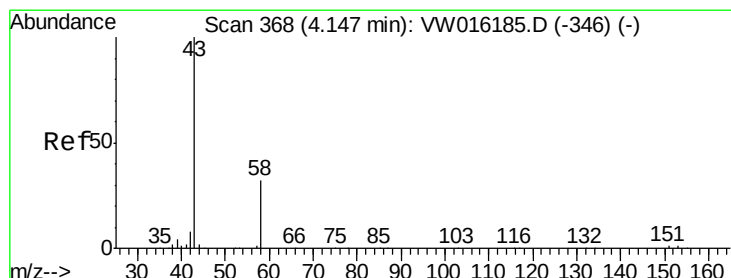
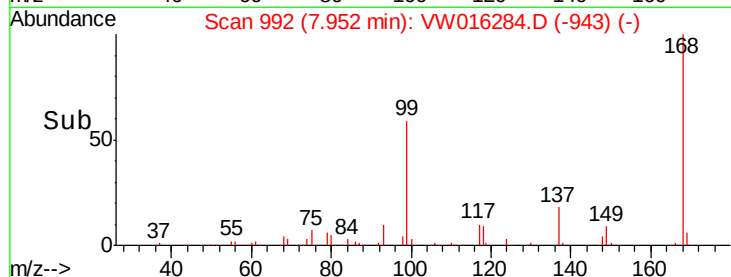
20000

0

7.90

8.00

Time-->



#16

Acetone

Concen: 1.480 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW016284.D

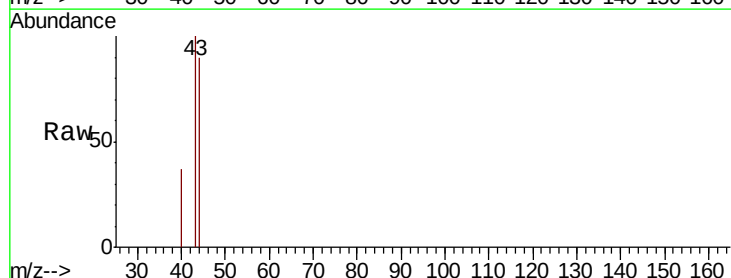
Acq: 21 Aug 2020 01:36

Tgt Ion: 43 Resp: 500

Ion Ratio Lower Upper

43 100

58 0.0 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

250

200

150

100

50

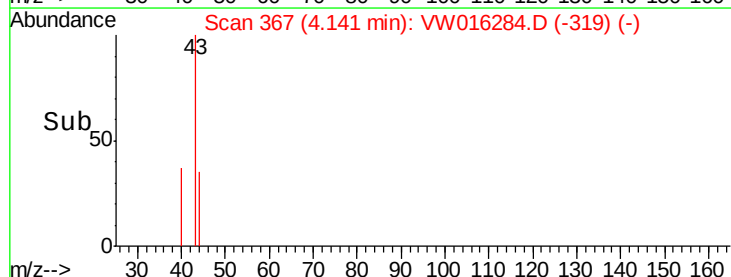
0

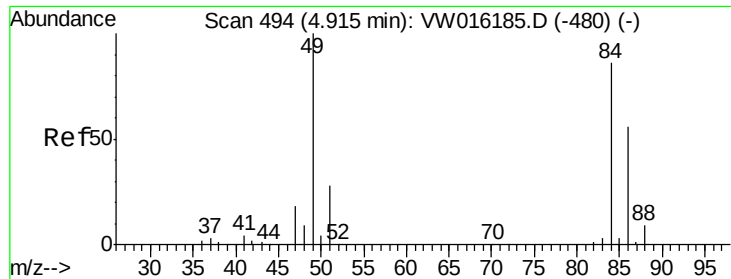
4.05

4.10

4.15

Time-->





#20

Methylene Chloride

Concen: 9.082 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW016284.D

Acq: 21 Aug 2020 01:36

Instrument :

MSVOA_W

ClientSampleId :

HD-01-081820

Tot Ion: 84 Resp: 27538

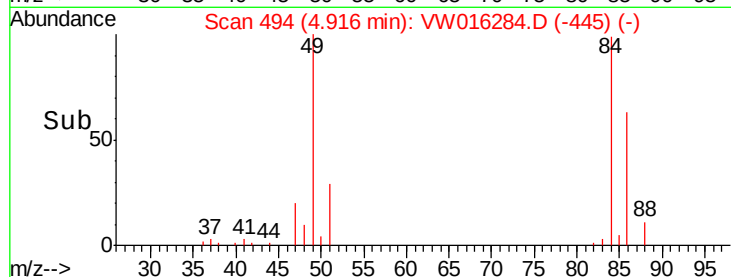
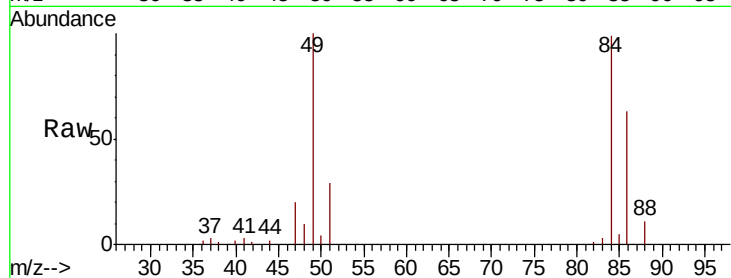
Ion Ratio Lower Upper

84 100

49 101.2 93.4 140.2

51 29.5 26.6 40.0

86 63.6 52.2 78.2

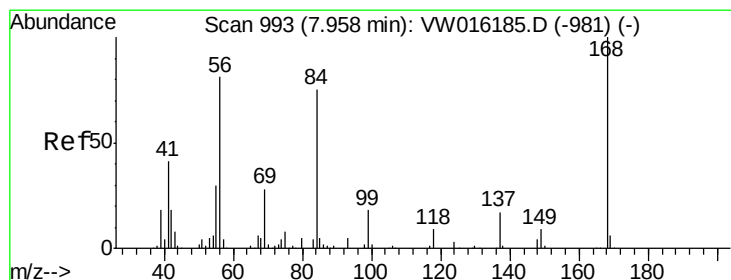
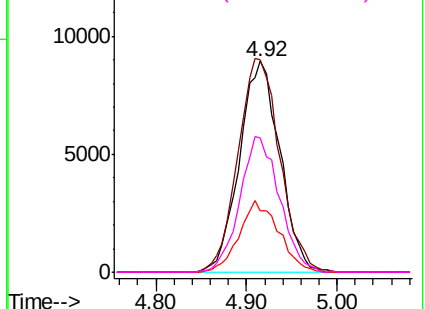


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#31

Cyclohexane

Concen: 1.125 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW016284.D

Acq: 21 Aug 2020 01:36

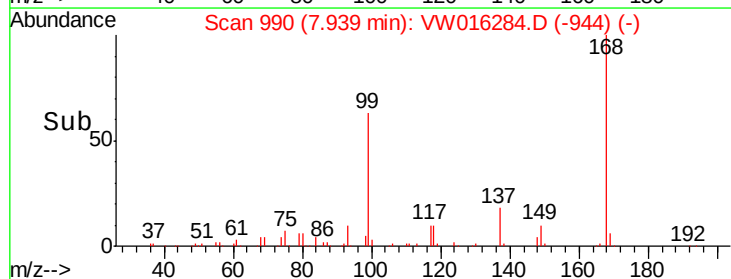
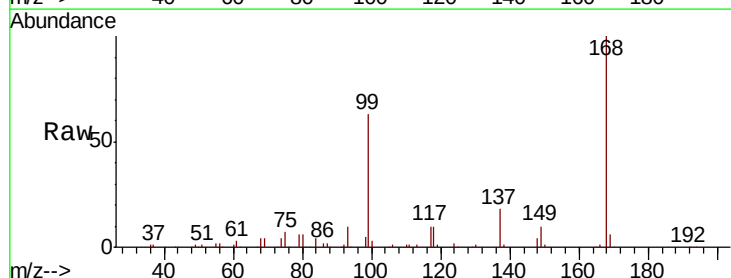
Tgt Ion: 56 Resp: 3618

Ion Ratio Lower Upper

56 100

69 156.3 27.3 40.9#

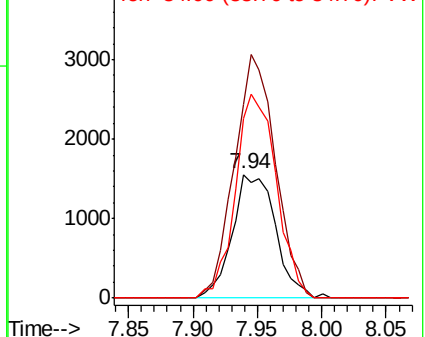
84 145.3 73.5 110.3#

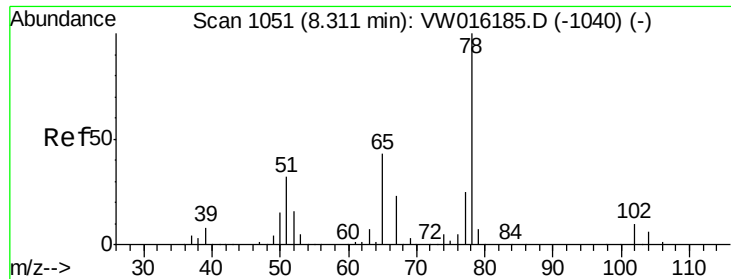


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

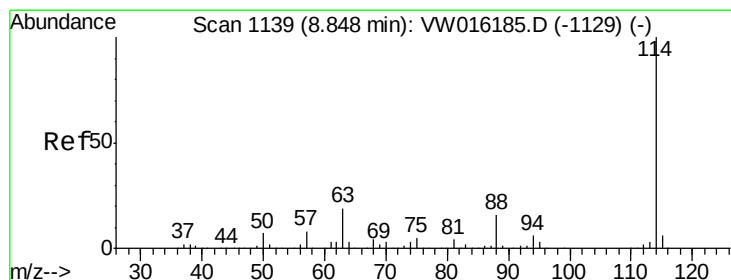
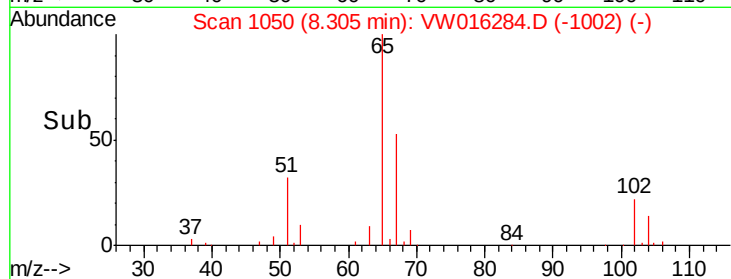
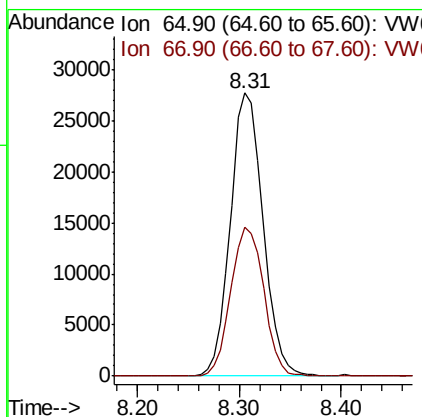
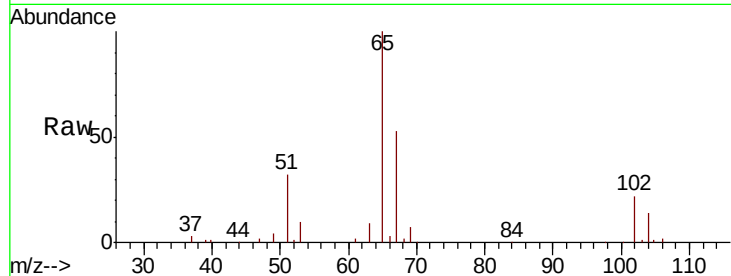




#33
 1,2-Dichloroethane-d4
 Concen: 34.847 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW016284.D
 Acq: 21 Aug 2020 01:36

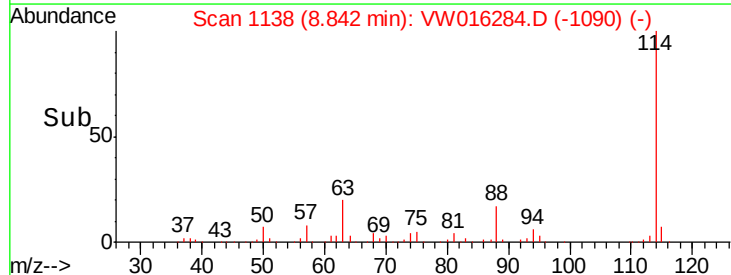
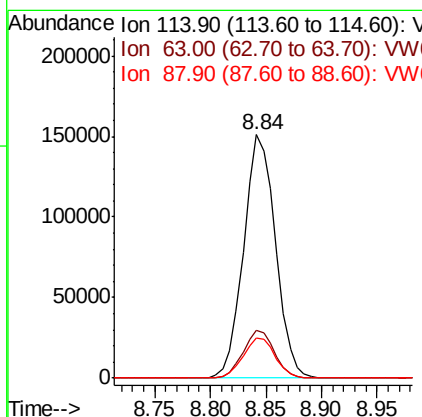
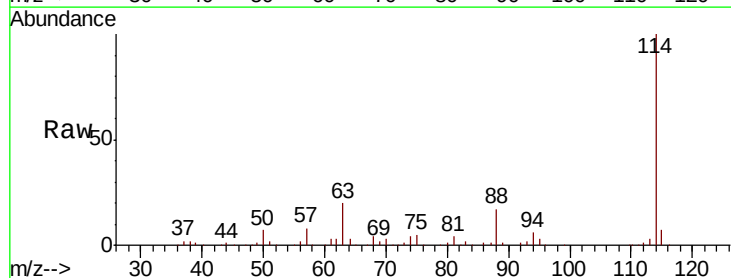
Instrument :
 MSVOA_W
 ClientSampleId :
 HD-01-081820

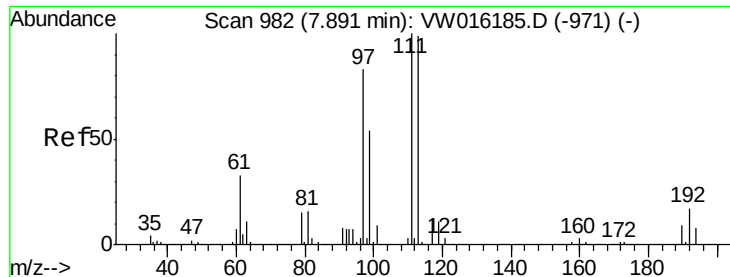
Tot Ion: 65 Resp: 61435
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW016284.D
 Acq: 21 Aug 2020 01:36

Tgt Ion: 114 Resp: 300807
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.4
 88 16.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 43.580 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.00 min

Lab File: VW016284.D

Acq: 21 Aug 2020 01:36

Instrument :

MSVOA_W

ClientSampleId :

HD-01-081820

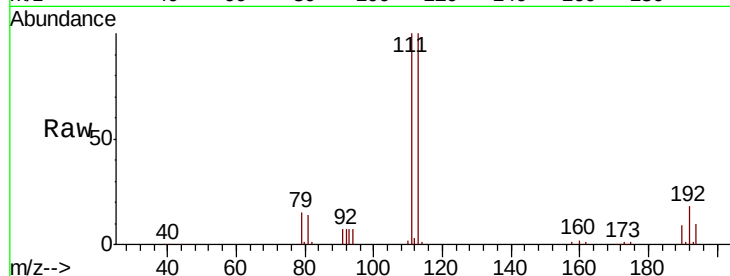
Tot Ion:113 Resp: 80885

Ion Ratio Lower Upper

113 100

111 103.7 83.5 125.3

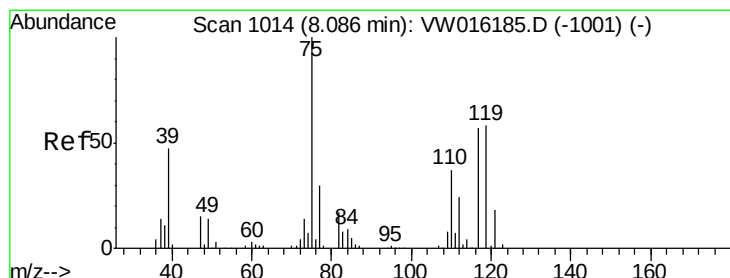
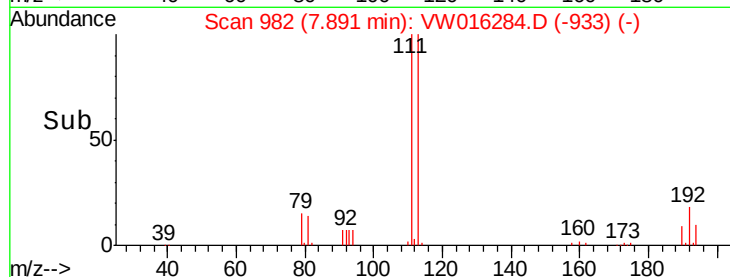
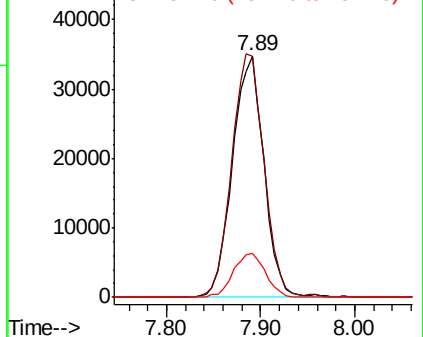
192 18.6 14.3 21.5



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: 4.469 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW016284.D

Acq: 21 Aug 2020 01:36

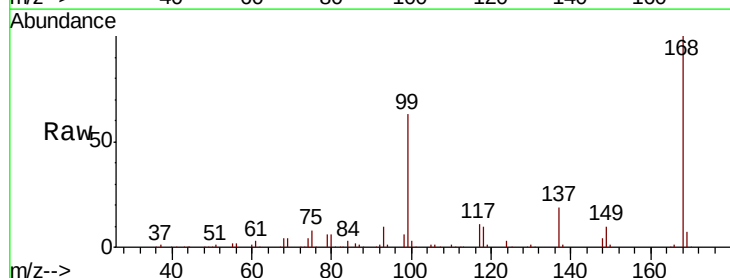
Tgt Ion: 75 Resp: 13242

Ion Ratio Lower Upper

75 100

110 8.8 18.1 54.3#

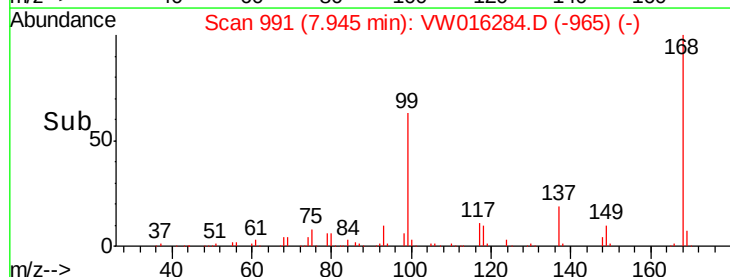
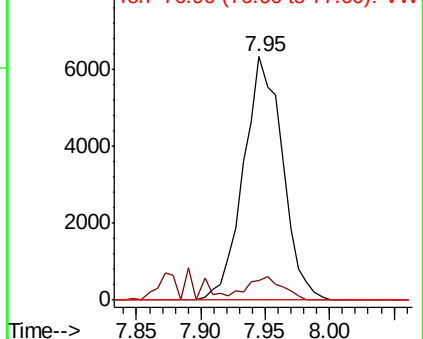
77 0.0 24.7 37.1#

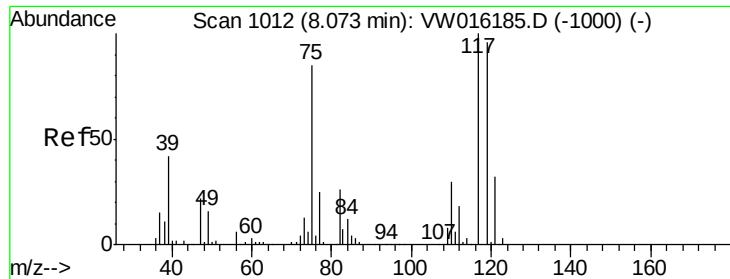


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

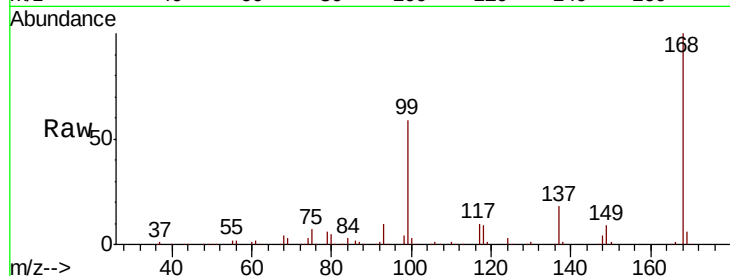




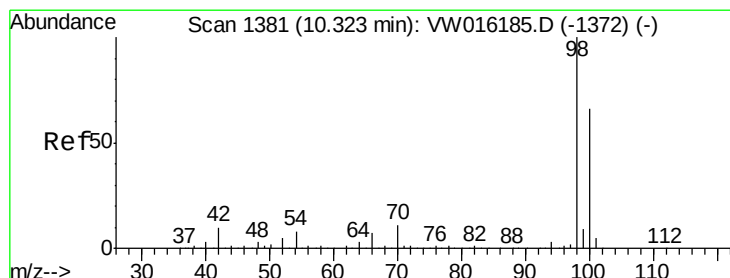
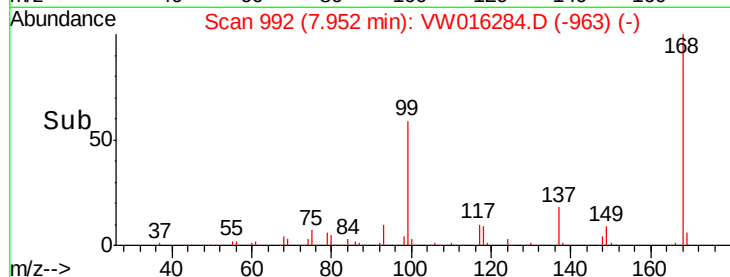
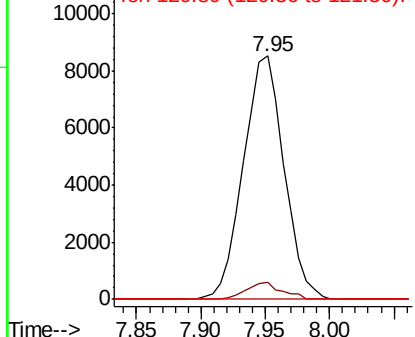
#38
Carbon Tetrachloride
Concen: 6.302 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW016284.D
Acq: 21 Aug 2020 01:36

Instrument :
MSVOA_W
ClientSampleId :
HD-01-081820

Tot Ion:117 Resp: 18636
Ion Ratio Lower Upper
117 100
119 6.9 76.6 115.0#
121 0.0 25.4 38.0#

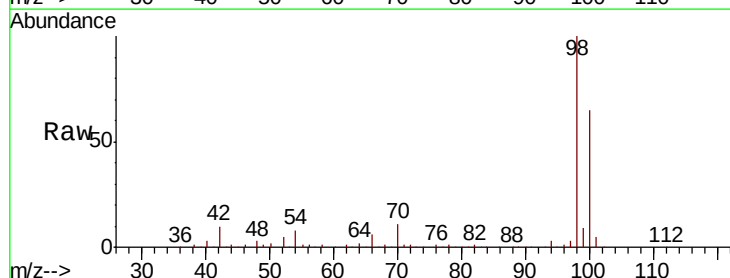


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

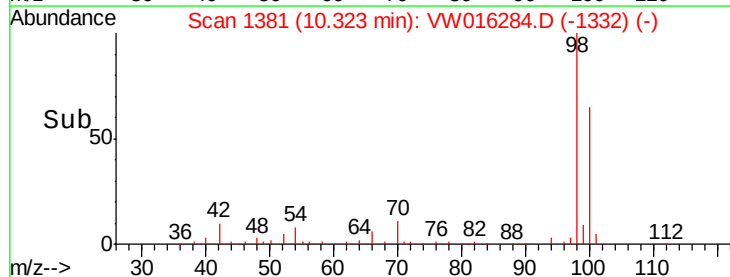
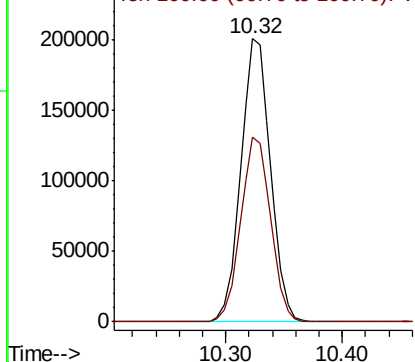


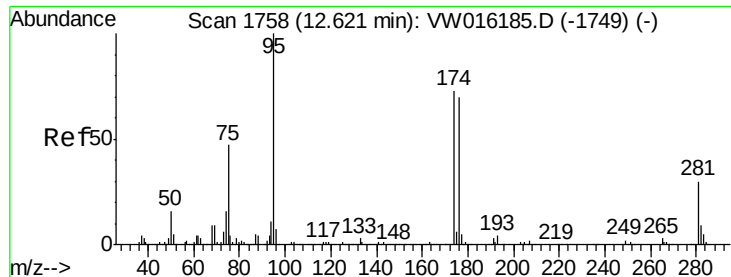
#50
Toluene-d8
Concen: 49.579 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW016284.D
Acq: 21 Aug 2020 01:36

Tgt Ion: 98 Resp: 356193
Ion Ratio Lower Upper
98 100
100 66.0 53.5 80.3



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

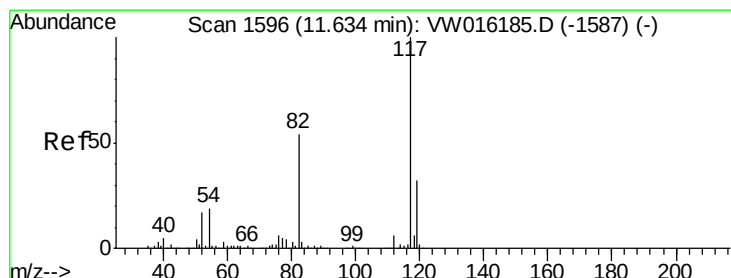
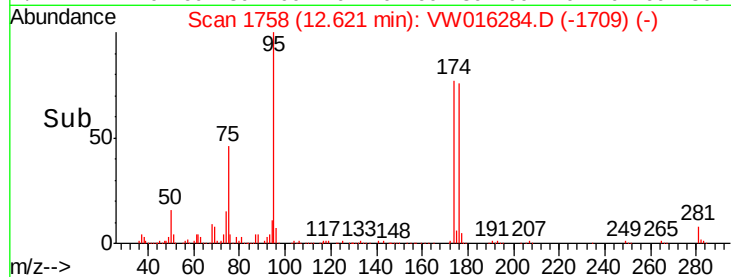
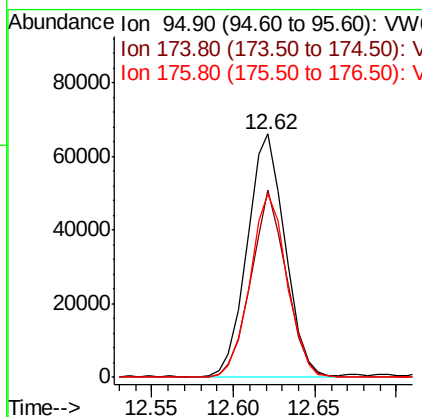
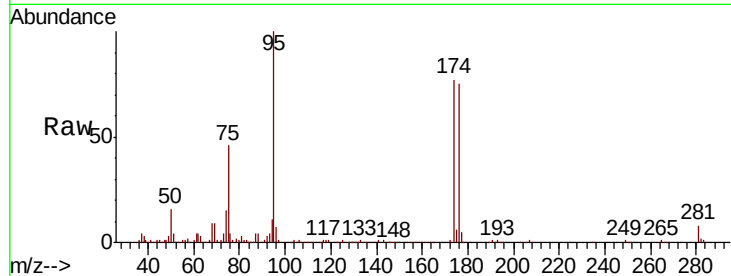




#62
4-Bromofluorobenzene
Concen: 41.348 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW016284.D
Acq: 21 Aug 2020 01:36

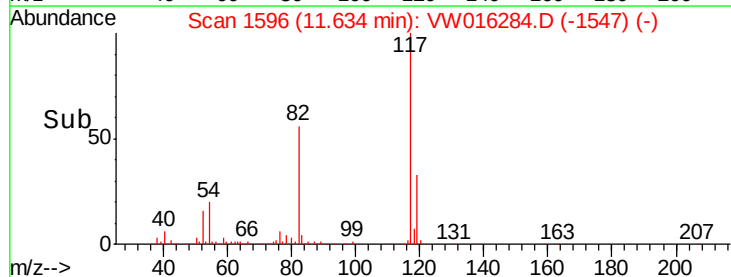
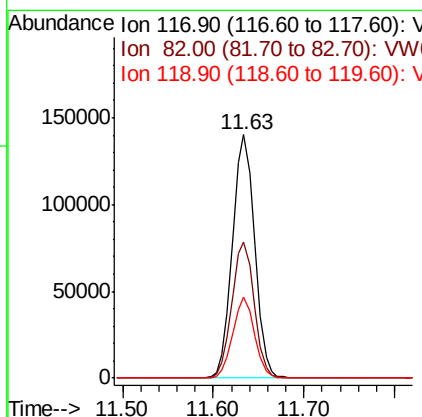
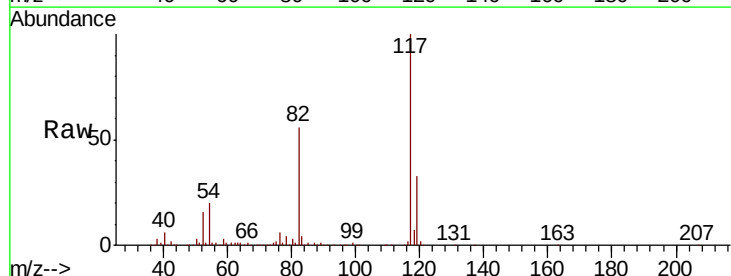
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ClientSampleId :
HD-01-081820

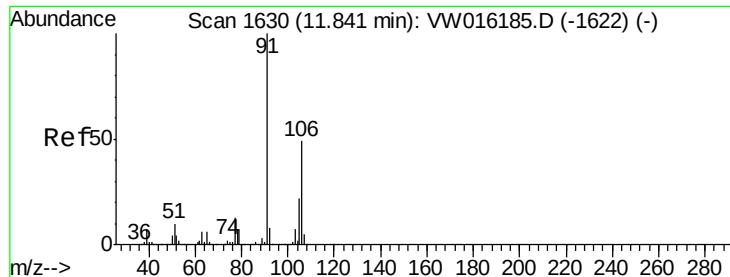
Tot Ion	95	Resp	106183
Ion Ratio	Lower	Upper	
95	100		
174	72.1	0.0	145.6
176	74.1	0.0	137.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW016284.D
Acq: 21 Aug 2020 01:36

Tgt Ion	117	Resp	238995
Ion Ratio	Lower	Upper	
117	100		
82	55.8	43.6	65.4
119	33.1	25.4	38.0

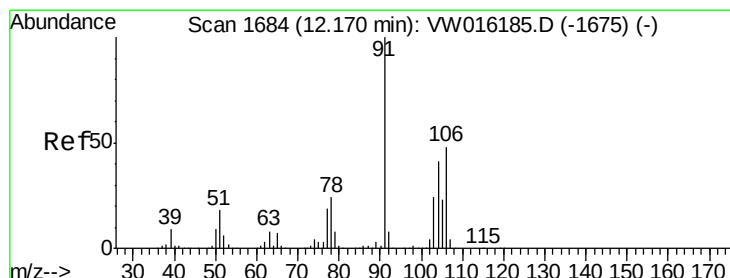
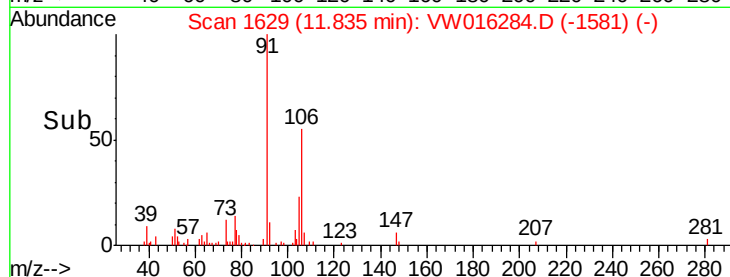
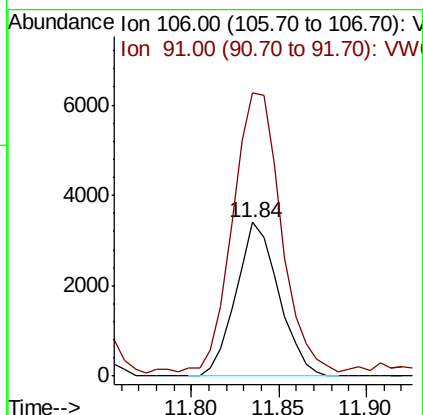
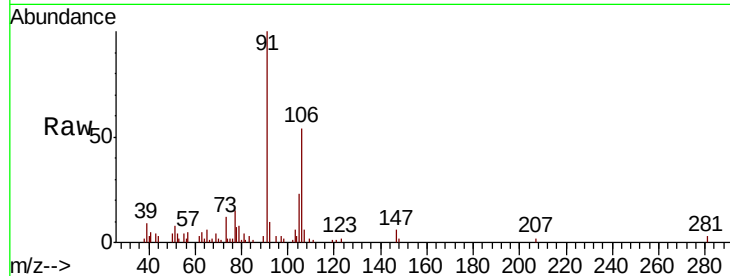




#68
m/p-Xylenes
Concen: 1.706 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW016284.D
Acq: 21 Aug 2020 01:36

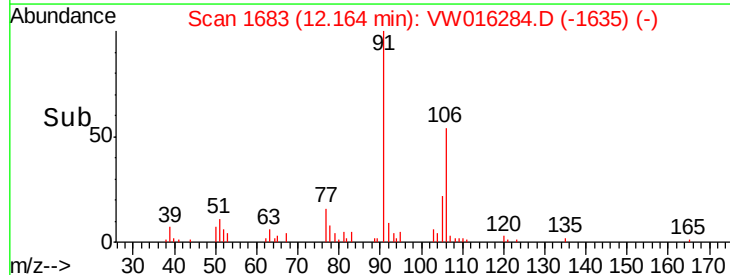
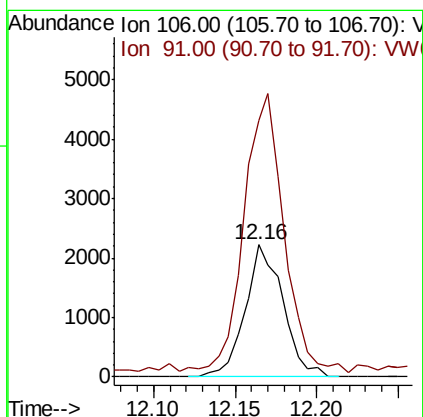
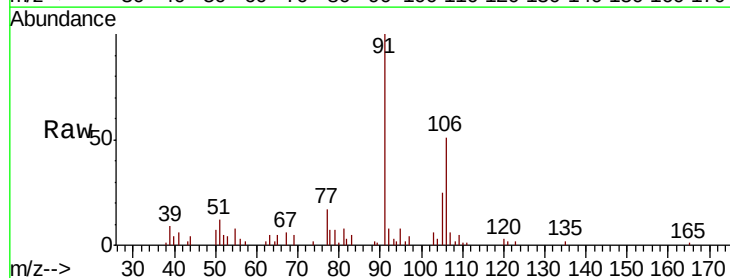
Instrument :
MSVOA_W
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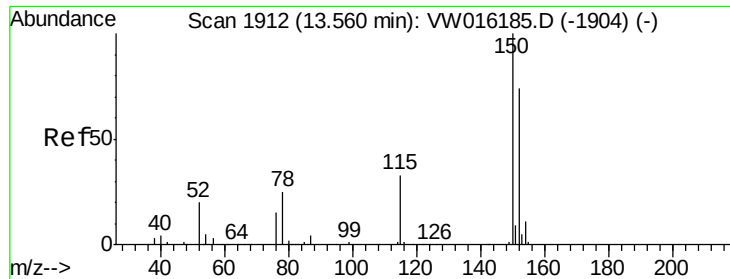
Tot Ion:106 Resp: 5774
Ion Ratio Lower Upper
106 100
91 205.5 161.4 242.2



#69
o-Xylene
Concen: 1.190 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW016284.D
Acq: 21 Aug 2020 01:36

Tgt Ion:106 Resp: 3588
Ion Ratio Lower Upper
106 100
91 220.7 106.0 317.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW016284.D

Acq: 21 Aug 2020 01:36

Instrument :

MSVOA_W

ClientSampleId :

HD-01-081820

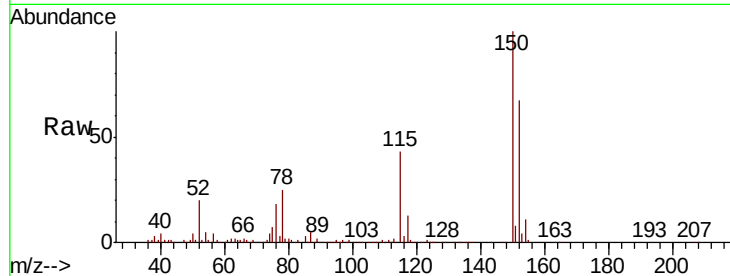
Tot Ion:152 Resp: 94196

Ion Ratio Lower Upper

152 100

115 63.3 30.9 92.5

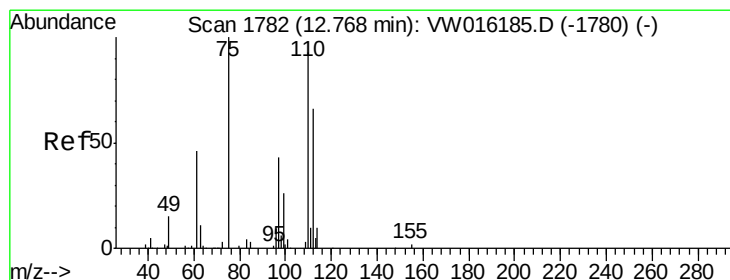
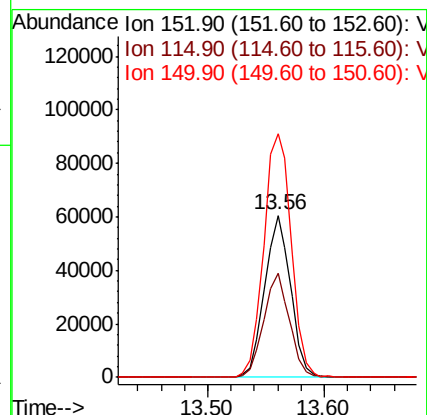
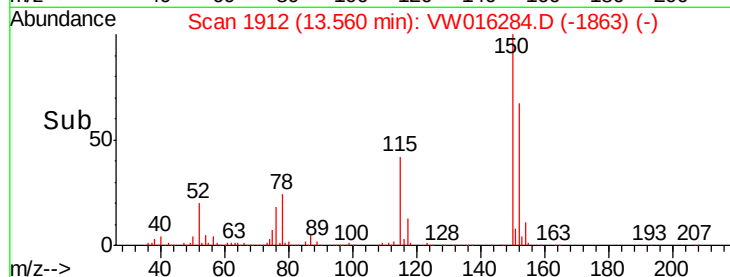
150 159.3 0.0 337.8



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: 57.842 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW016284.D

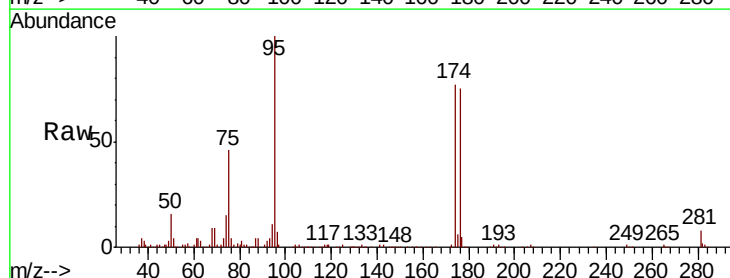
Acq: 21 Aug 2020 01:36

Tgt Ion: 75 Resp: 50108

Ion Ratio Lower Upper

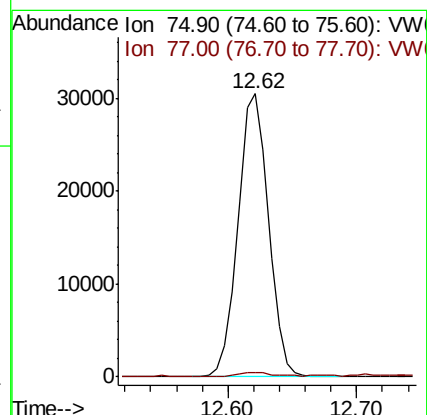
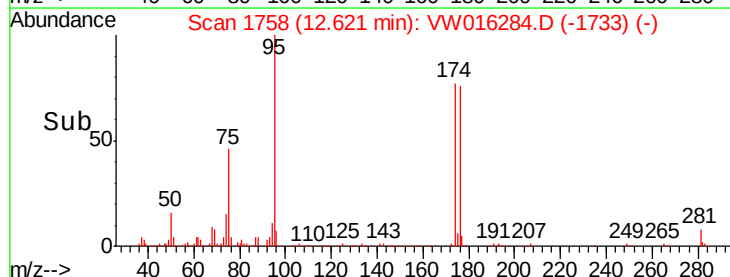
75 100

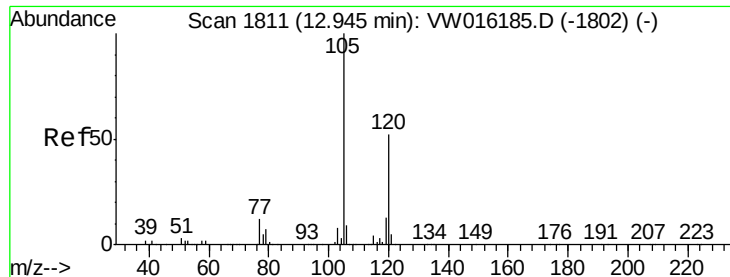
77 1.3 173.6 520.6#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

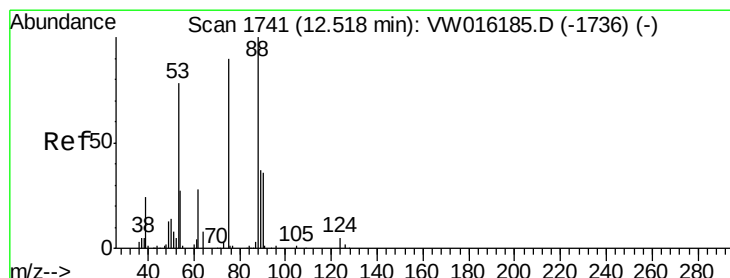
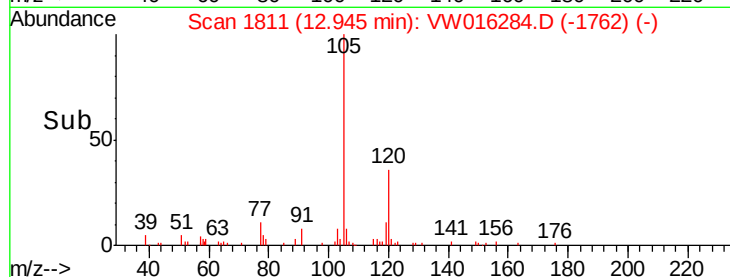
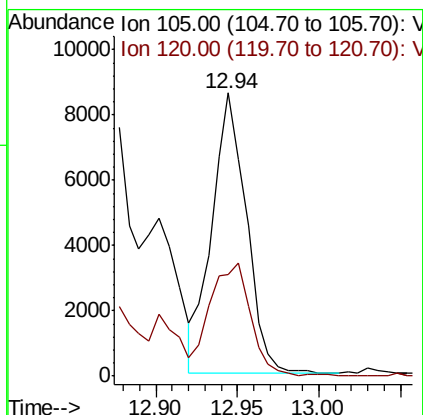
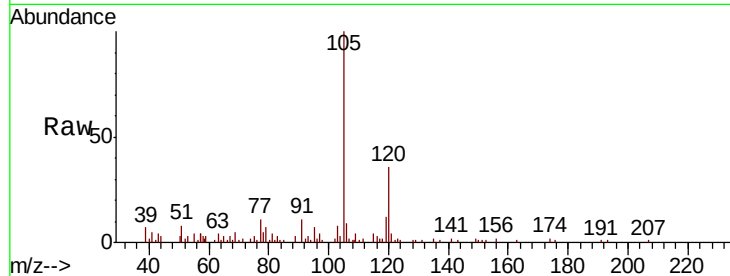




#80
 1,3,5-Trimethylbenzene
 Concen: 2.046 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW016284.D
 Acq: 21 Aug 2020 01:36

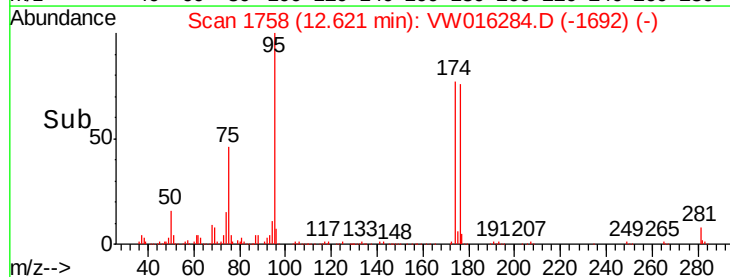
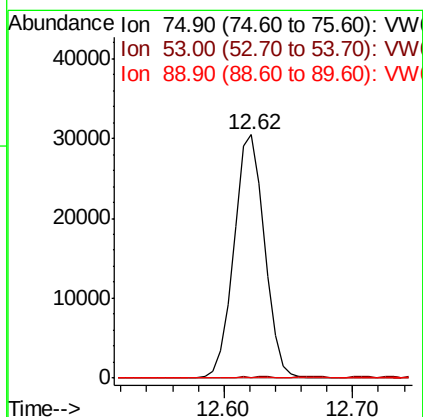
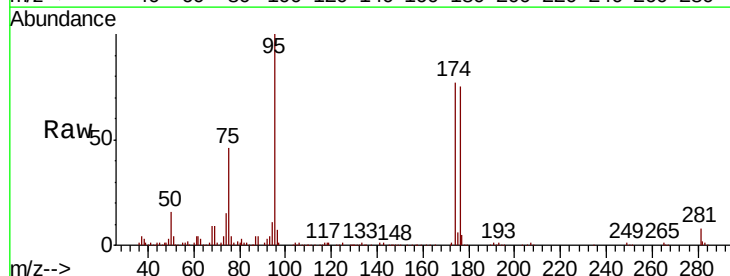
Instrument :
 MSVOA_W
 ClientSampleId :
 HD-01-081820

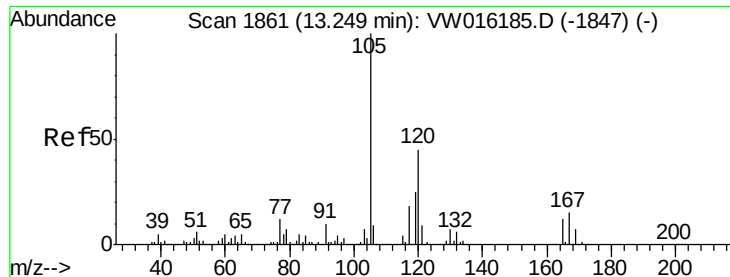
Tot Ion:105 Resp: 12610
 Ion Ratio Lower Upper
 105 100
 120 47.6 25.1 75.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 138.741 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW016284.D
 Acq: 21 Aug 2020 01:36

Tgt Ion: 75 Resp: 50108
 Ion Ratio Lower Upper
 75 100
 53 0.7 74.6 111.8#
 89 0.1 37.2 55.8#

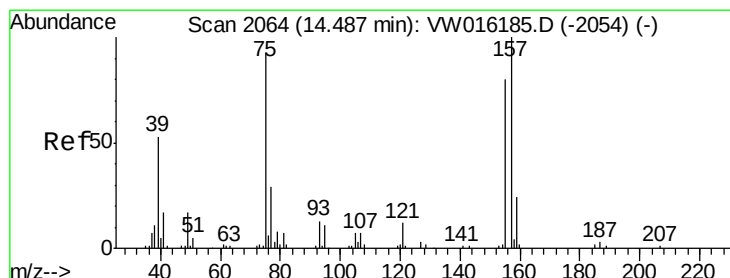
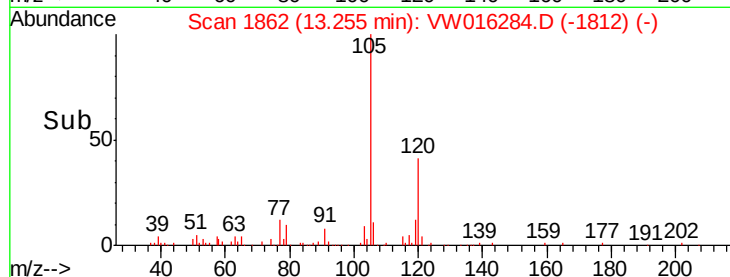
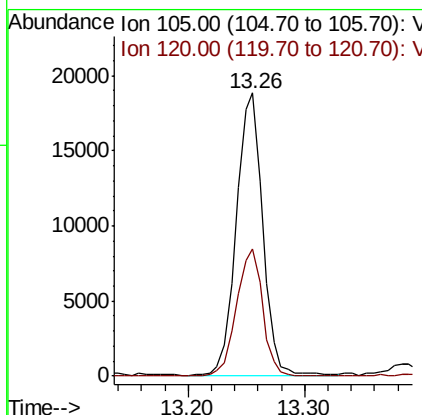
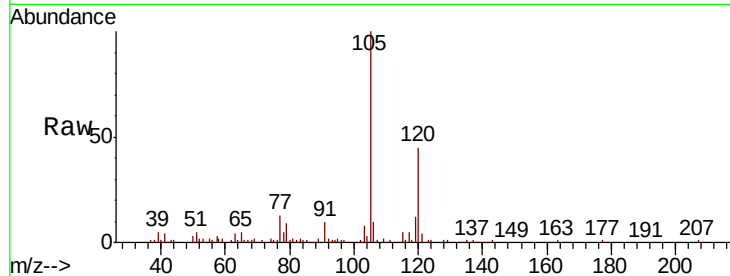




#84
 1,2,4-Trimethylbenzene
 Concen: 4.841 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.01 min
 Lab File: VW016284.D
 Acq: 21 Aug 2020 01:36

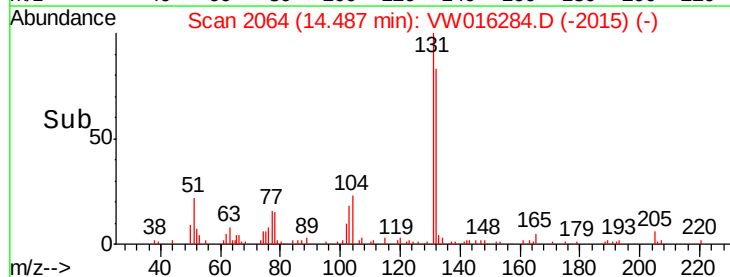
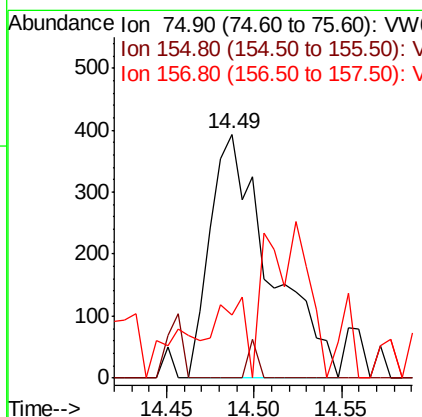
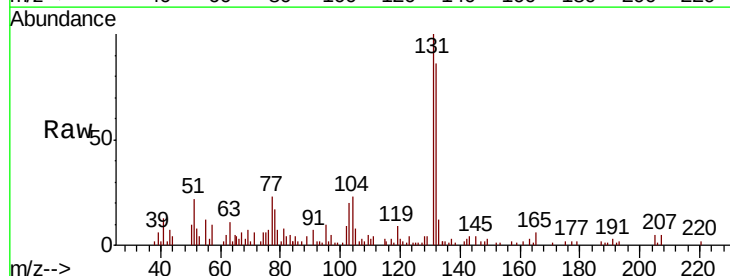
Instrument :
 MSVOA_W
 ClientSampleId :
 HD-01-081820

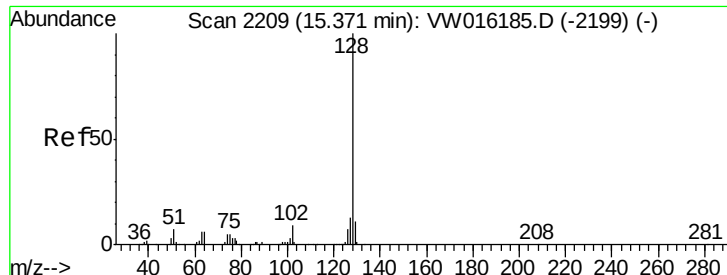
Tot Ion:105 Resp: 29516
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.2 66.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.064 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016284.D
 Acq: 21 Aug 2020 01:36

Tgt Ion: 75 Resp: 935
 Ion Ratio Lower Upper
 75 100
 155 0.0 41.3 124.1#
 157 16.4 53.0 159.0#





#95

Naphthalene

Concen: 665.124 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW016284.D

Acq: 21 Aug 2020 01:36

Instrument :

MSVOA_W

ClientSampleId :

HD-01-081820

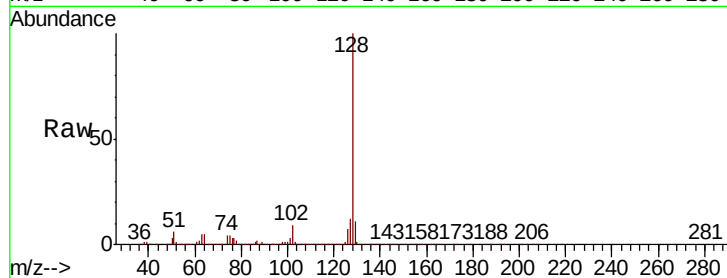
Tot Ion:128 Resp: 2469617

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

