

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082120\
 Data File : VW016291.D
 Acq On : 21 Aug 2020 04:34
 Operator : SY/VA
 Sample : L3720-06
 Misc : 6.20G/5ML/MSVOA W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MP-081920-BD-0-2-GRAB

Quant Time: Aug 21 05:12:50 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	221482	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	402708	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	361358	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	133920	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	116131	53.77	ug/l	0.00
Spiked Amount			Recovery	=	107.54%	
35) Dibromofluoromethane	7.89	113	122635	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	
50) Toluene-d8	10.33	98	498937	51.88	ug/l	0.00
Spiked Amount			Recovery	=	103.76%	
62) 4-Bromofluorobenzene	12.62	95	160254	46.61	ug/l	0.00
Spiked Amount			Recovery	=	93.22%	

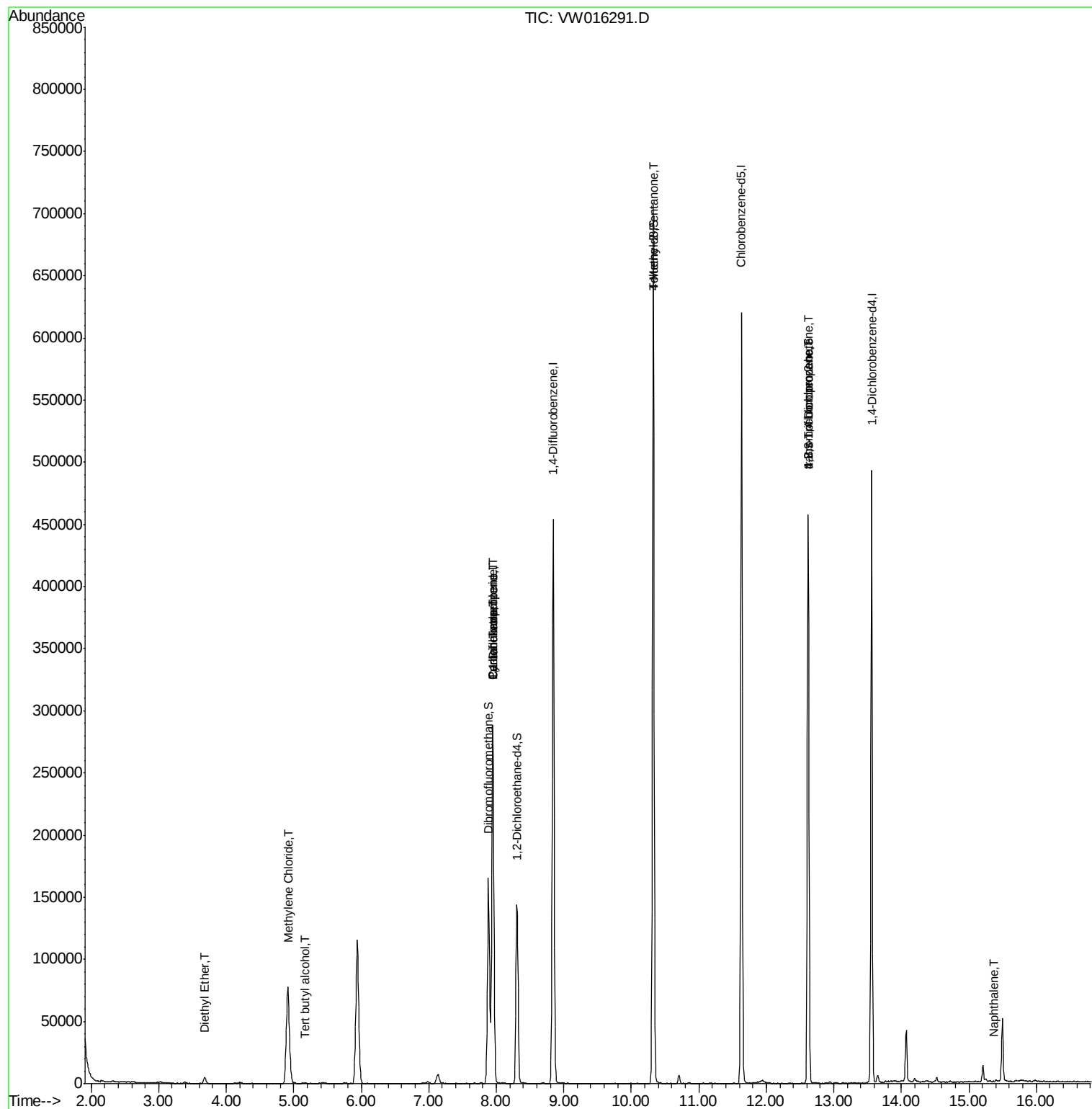
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	3030	2.657	ug/l	98
11) Tert butyl alcohol	5.17	59	237	2.062	ug/l #	70
20) Methylene Chloride	4.91	84	65757	22.906	ug/l	95
31) Cyclohexane	7.95	56	4099	1.040	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	16027	4.040	ug/l #	49
38) Carbon Tetrachloride	7.95	117	22569	5.701	ug/l #	16
51) 4-Methyl-2-Pentanone	10.32	43	1676	1.295	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	75869	61.601	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	75869	147.758	ug/l #	12
95) Naphthalene	15.36	128	687	3.707	ug/l #	73

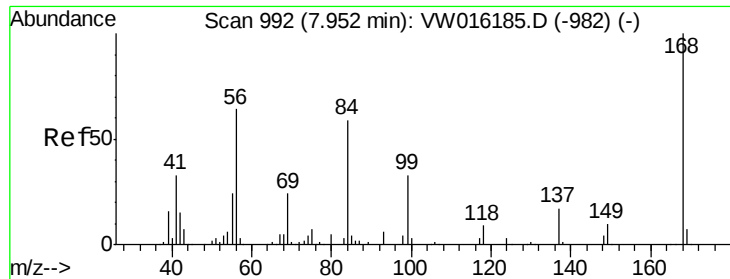
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W081420S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 17 08:01:41 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW016291.D

Acq: 21 Aug 2020 04:34

Instrument :

MSVOA_W

ClientSampleId :

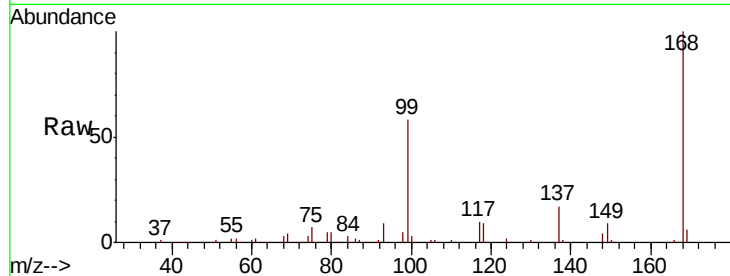
MP-081920-BD-0-2-GRAB

Tot Ion:168 Resp: 221482

Ion Ratio Lower Upper

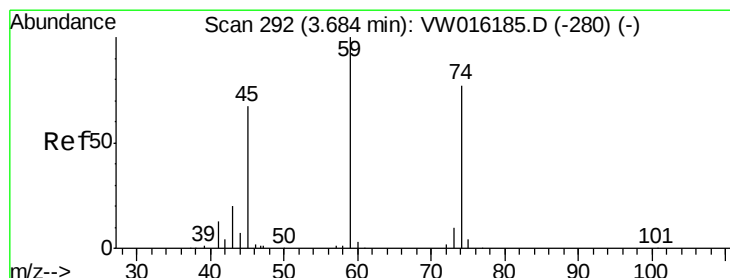
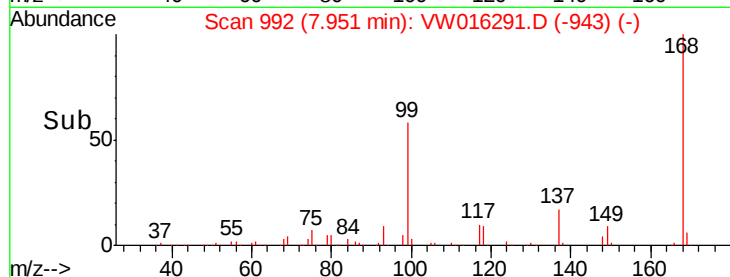
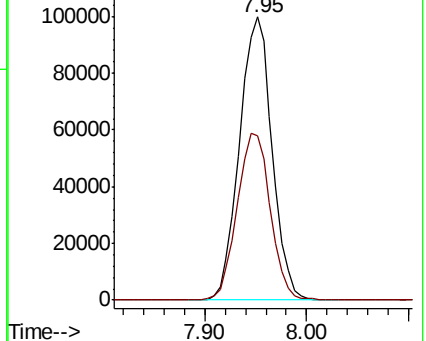
168 100

99 57.9 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 2.657 ug/l

RT: 3.68 min Scan# 292

Delta R.T. -0.00 min

Lab File: VW016291.D

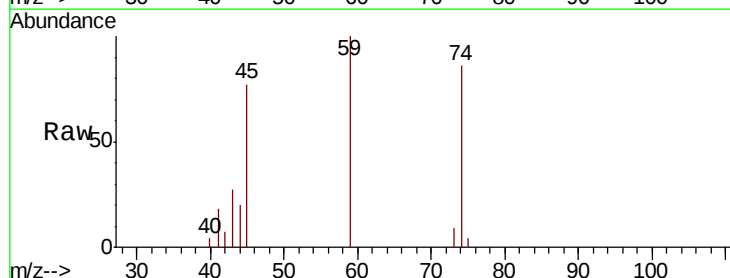
Acq: 21 Aug 2020 04:34

Tgt Ion: 74 Resp: 3030

Ion Ratio Lower Upper

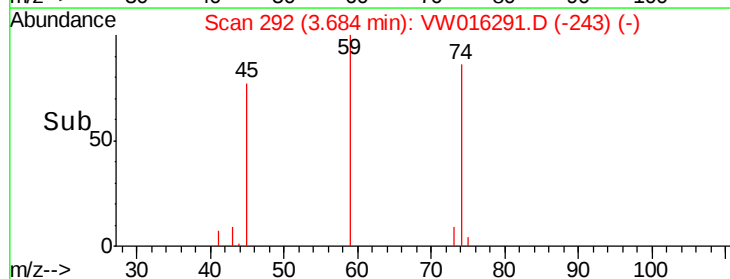
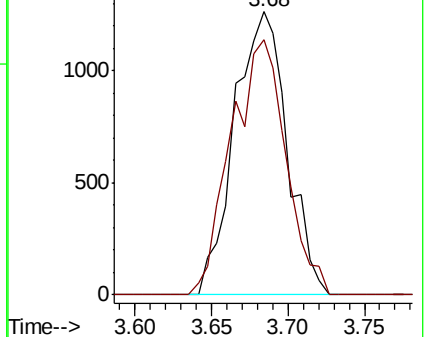
74 100

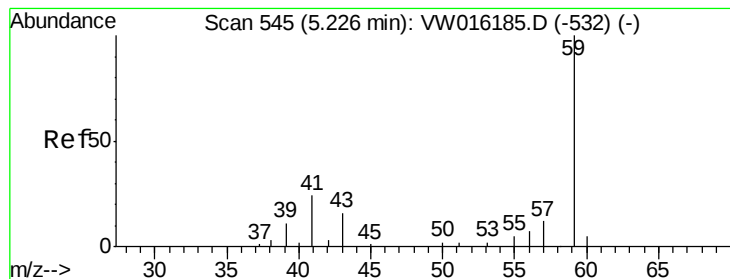
45 93.3 45.9 137.7



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



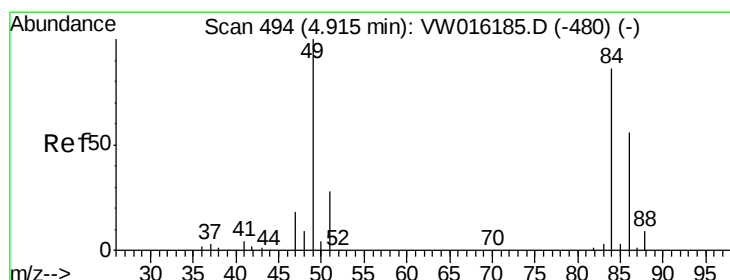
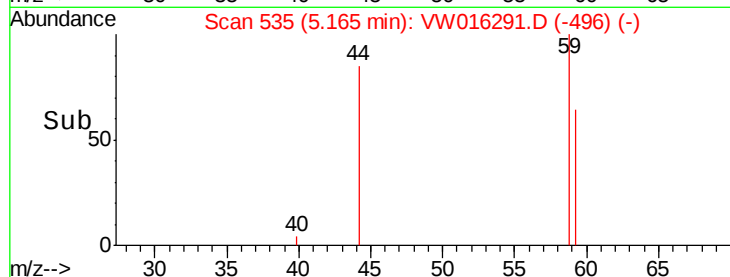
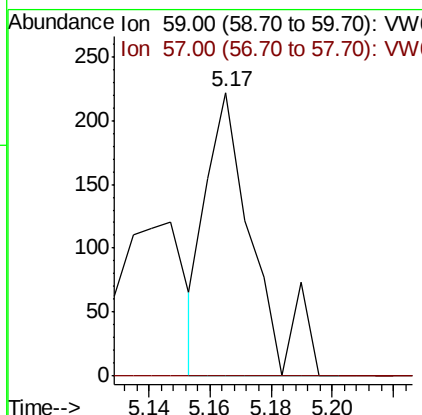
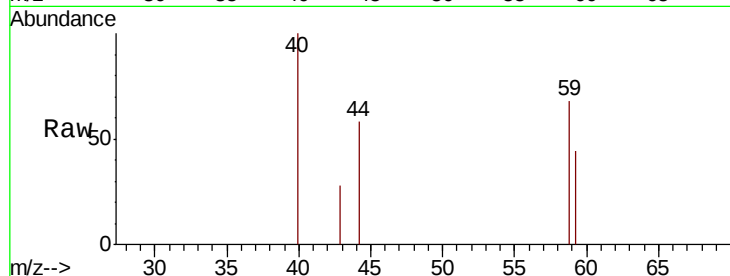


#11

Tert butyl alcohol
 Concen: 2.062 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.06 min
 Lab File: VW016291.D
 Acq: 21 Aug 2020 04:34

Instrument :
 MSVOA_W
 ClientSampleId :
 MP-081920-BD-0-2-GRAB

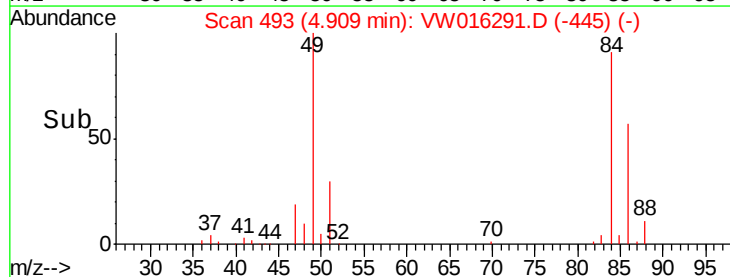
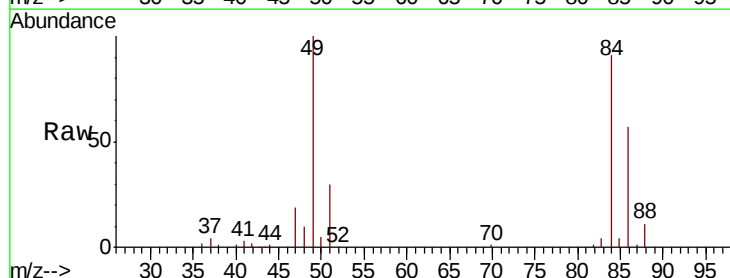
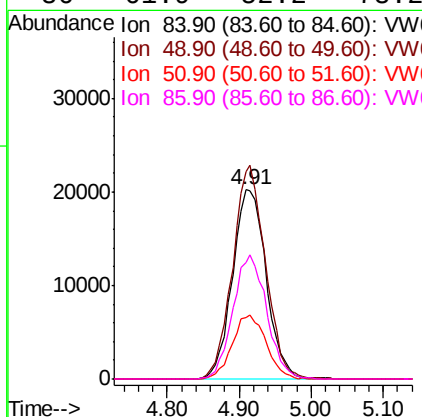
Tot Ion: 59 Resp: 237
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.6#

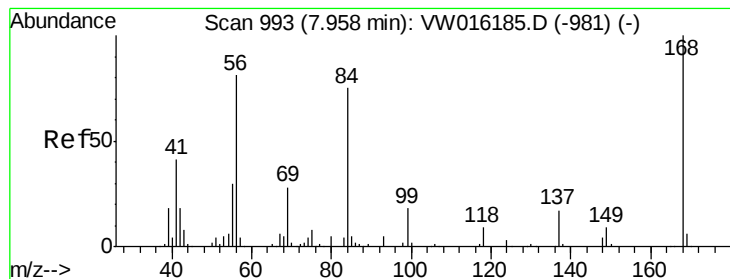


#20

Methylene Chloride
 Concen: 22.906 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW016291.D
 Acq: 21 Aug 2020 04:34

Tgt Ion: 84 Resp: 65757
 Ion Ratio Lower Upper
 84 100
 49 109.5 93.4 140.2
 51 32.5 26.6 40.0
 86 61.9 52.2 78.2





#31

Cyclohexane

Concen: 1.040 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW016291.D

Acq: 21 Aug 2020 04:34

Instrument :

MSVOA_W

ClientSampleId :

MP-081920-BD-0-2-GRAB

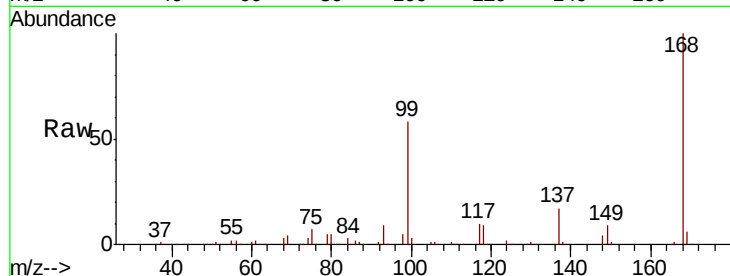
Tot Ion: 56 Resp: 4099

Ion Ratio Lower Upper

56 100

69 192.4 27.3 40.9#

84 150.2 73.5 110.3#

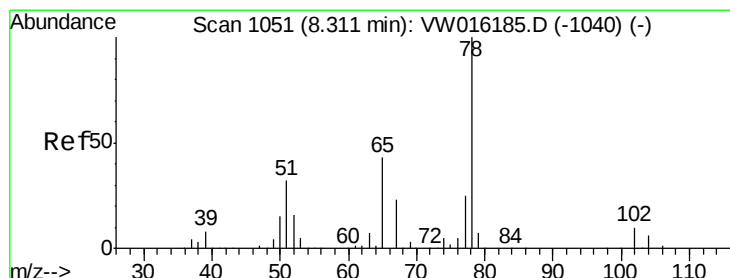
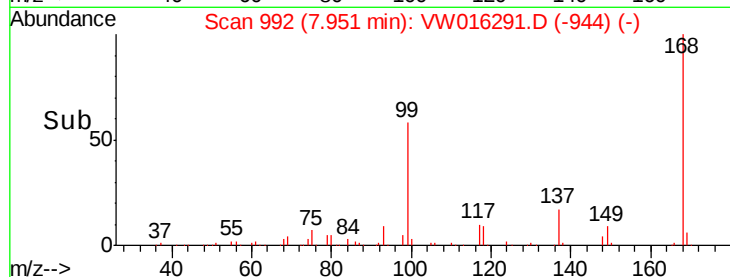
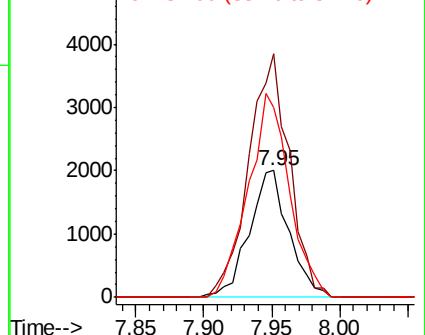


Abundance

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: 53.767 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW016291.D

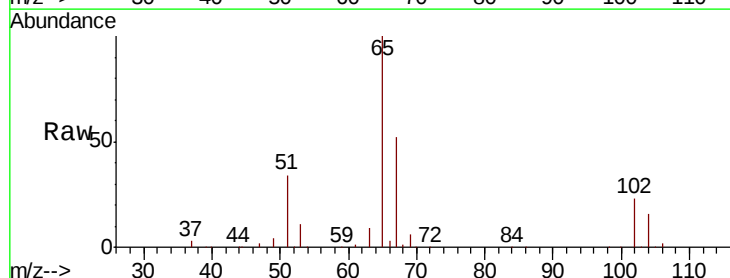
Acq: 21 Aug 2020 04:34

Tgt Ion: 65 Resp: 116131

Ion Ratio Lower Upper

65 100

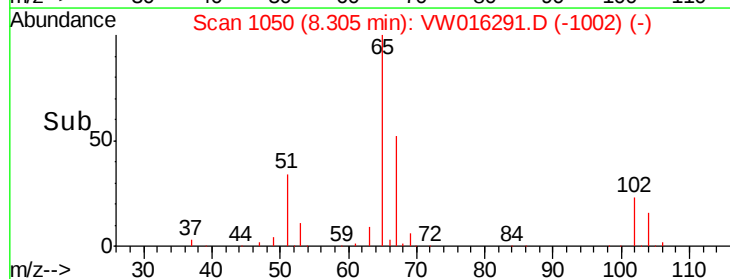
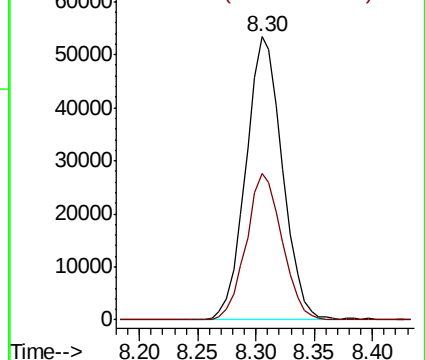
67 51.3 0.0 105.6

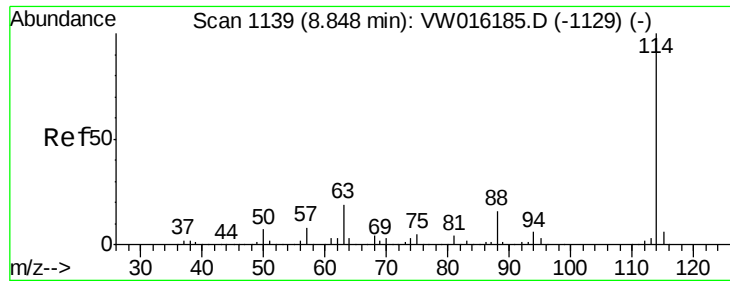


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

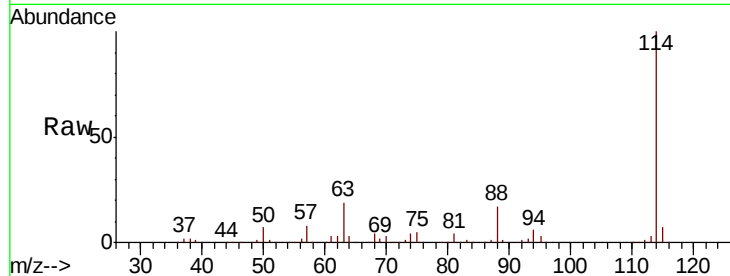




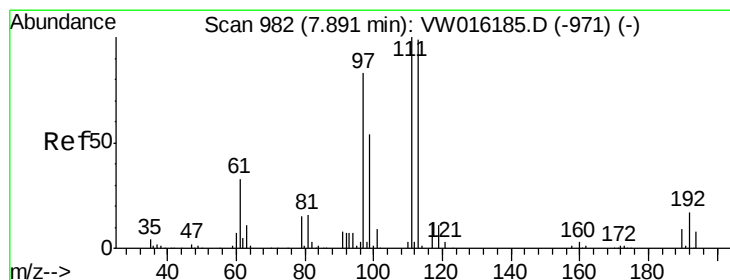
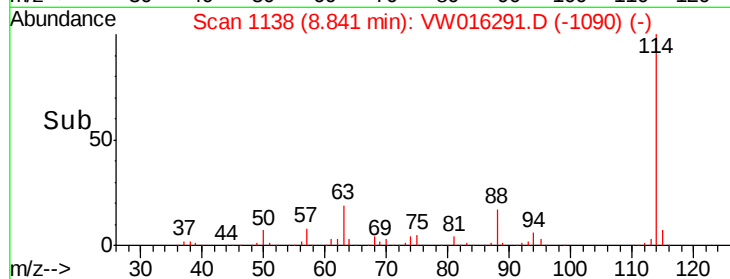
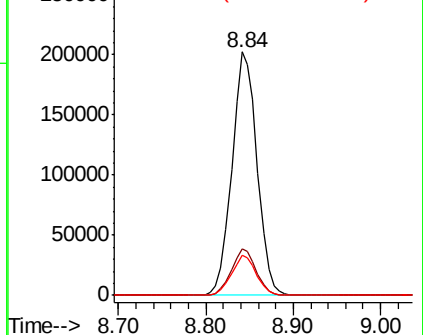
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW016291.D
 Acq: 21 Aug 2020 04:34

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Tot Ion:114 Resp: 402708
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 38.4
 88 16.6 0.0 32.8

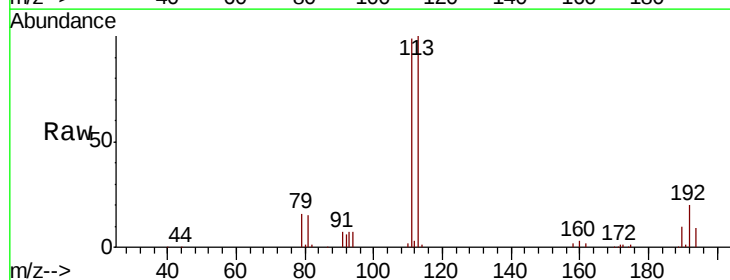


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

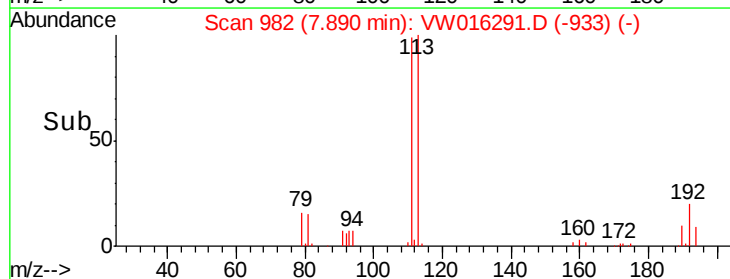
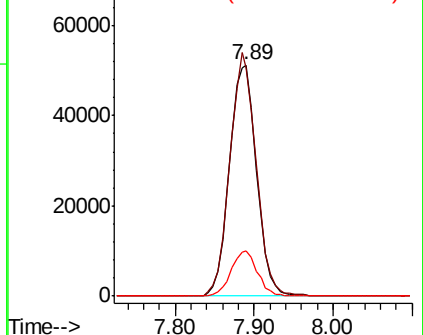


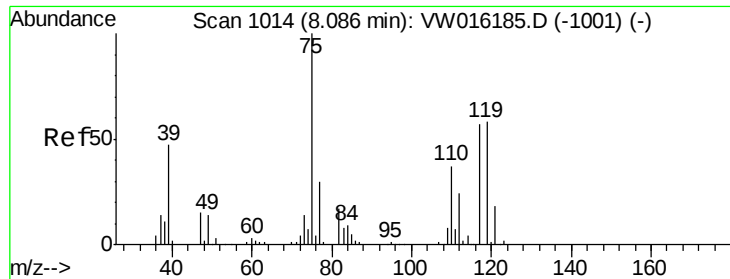
#35
 Dibromofluoromethane
 Concen: 49.355 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW016291.D
 Acq: 21 Aug 2020 04:34

Tgt Ion:113 Resp: 122635
 Ion Ratio Lower Upper
 113 100
 111 101.6 83.5 125.3
 192 18.7 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

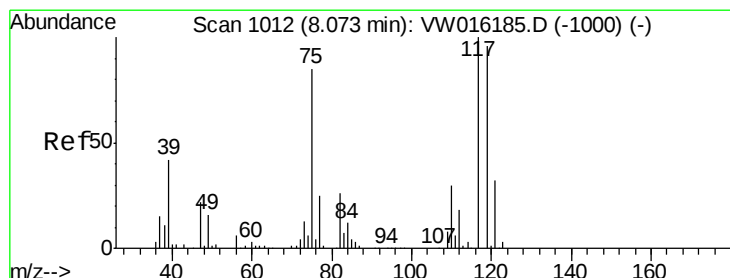
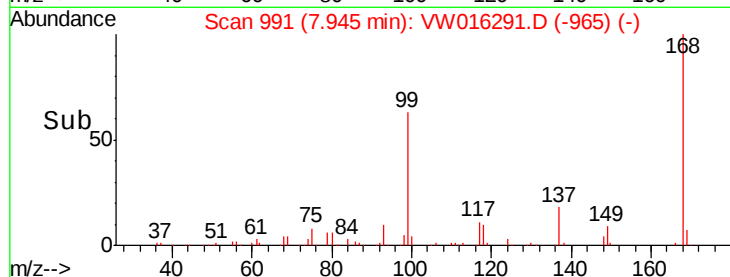
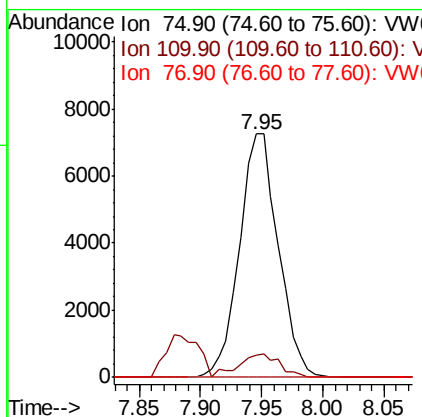
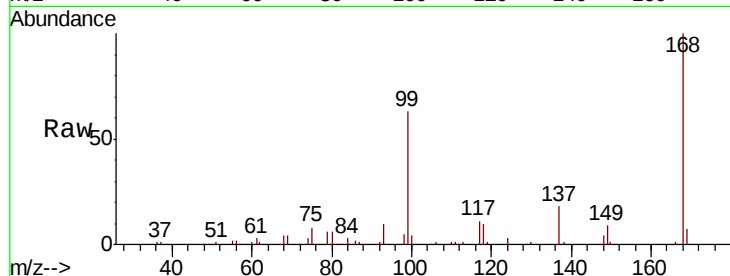




#36
 1,1-Dichloropropene
 Concen: 4.040 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW016291.D
 Acq: 21 Aug 2020 04:34

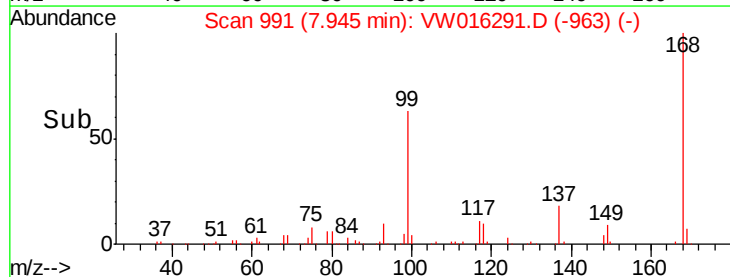
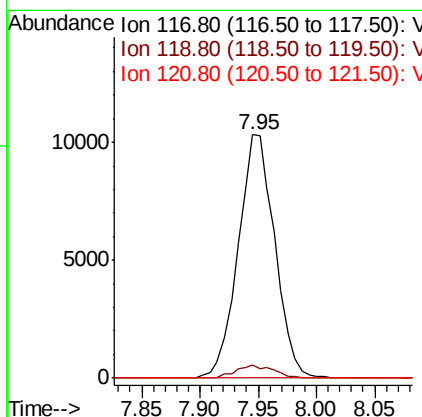
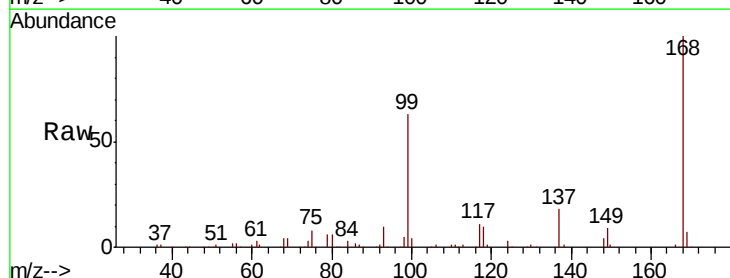
Instrument :
 MSVOA_W
 ClientSampleId :
 MP-081920-BD-0-2-GRAB

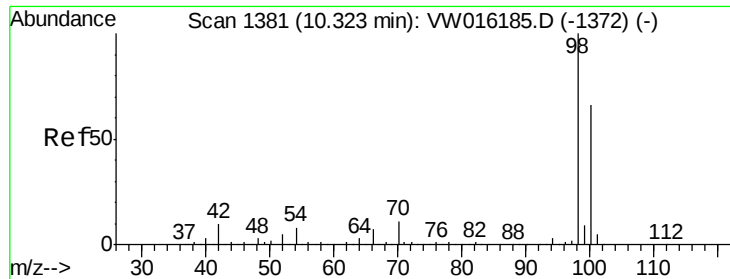
Tot Ion	75	Resp	16027
Ion Ratio	Lower	Upper	
75	100		
110	9.2	18.1	54.3#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 5.701 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW016291.D
 Acq: 21 Aug 2020 04:34

Tgt Ion	117	Resp	22569
Ion Ratio	Lower	Upper	
117	100		
119	5.4	76.6	115.0#
121	0.0	25.4	38.0#





#50

Toluene-d8

Concen: 51.875 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VW016291.D

Acq: 21 Aug 2020 04:34

Instrument :

MSVOA_W

ClientSampleId :

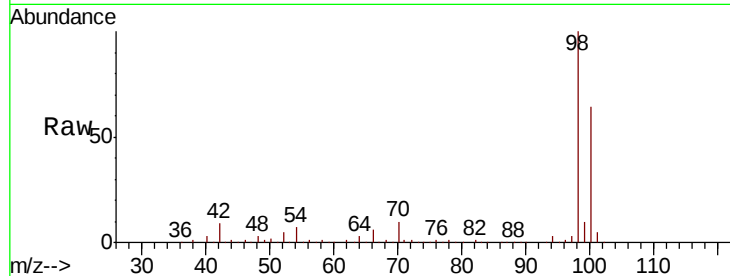
MP-081920-BD-0-2-GRAB

Tot Ion: 98 Resp: 498937

Ion Ratio Lower Upper

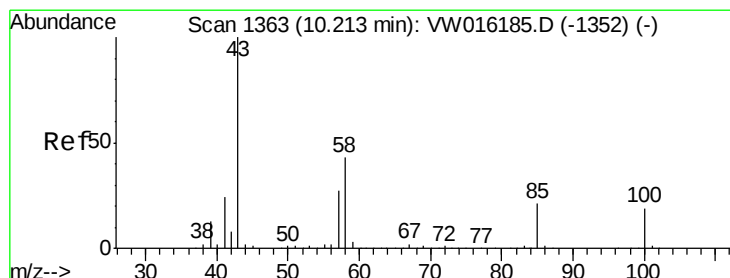
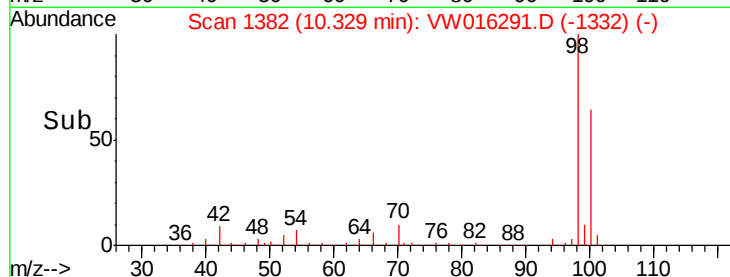
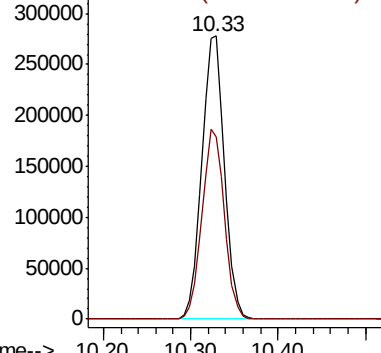
98 100

100 66.5 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 1.295 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.11 min

Lab File: VW016291.D

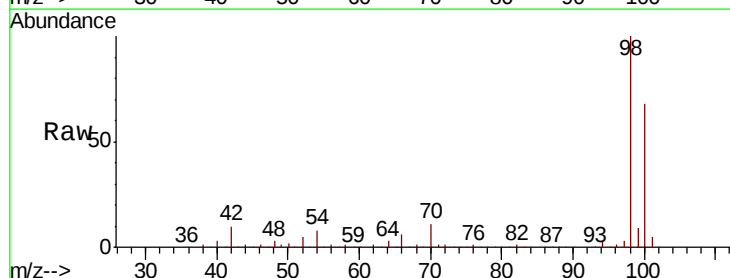
Acq: 21 Aug 2020 04:34

Tgt Ion: 43 Resp: 1676

Ion Ratio Lower Upper

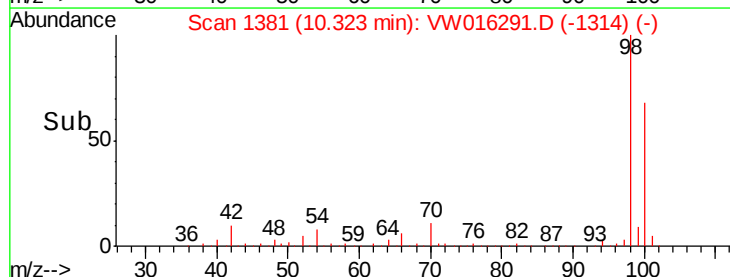
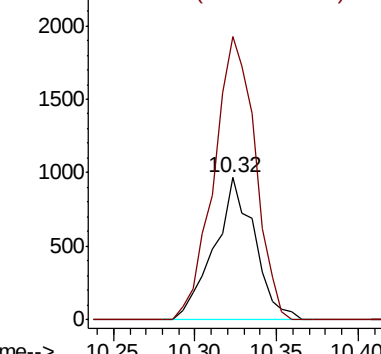
43 100

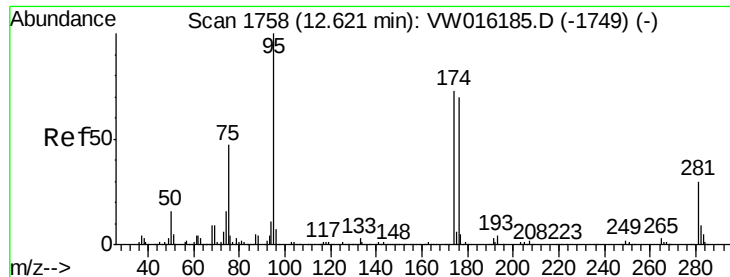
58 202.9 33.7 50.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#62

4-Bromofluorobenzene

Concen: 46.613 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW016291.D

Acq: 21 Aug 2020 04:34

Instrument :

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ClientSampleId :

MP-081920-BD-0-2-GRAB

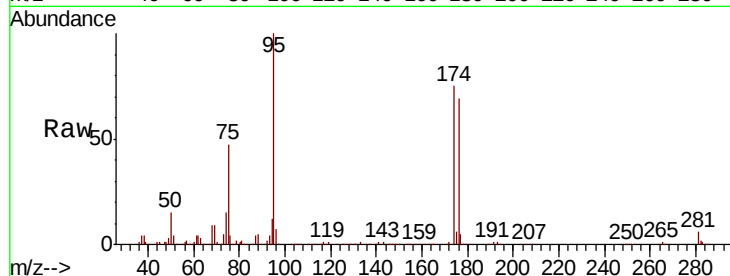
Tot Ion: 95 Resp: 160254

Ion Ratio Lower Upper

95 100

174 72.2 0.0 145.6

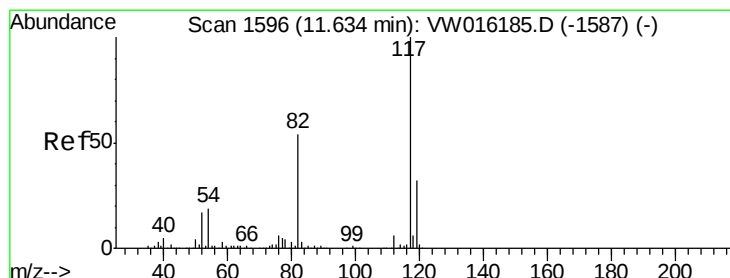
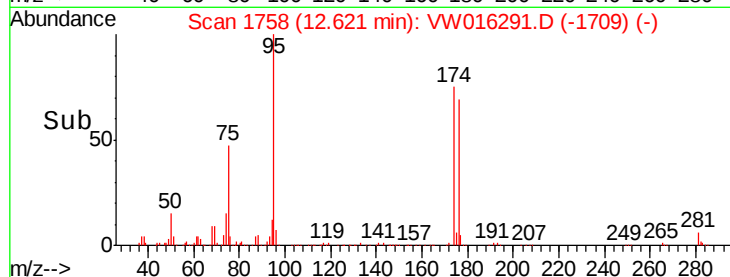
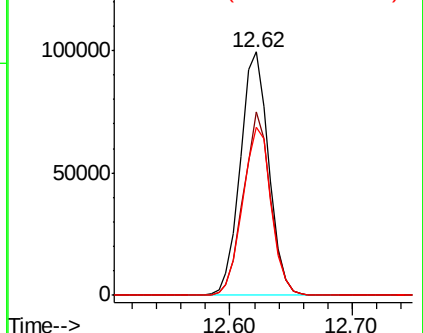
176 69.8 0.0 137.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW016291.D

Acq: 21 Aug 2020 04:34

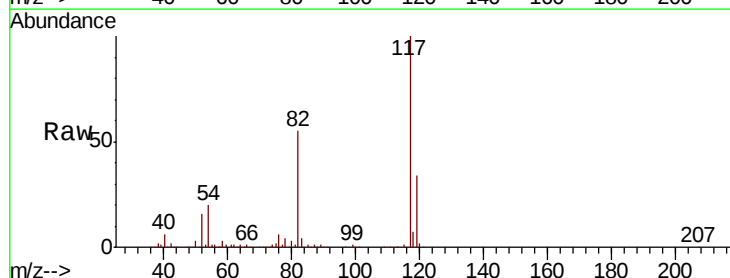
Tgt Ion: 117 Resp: 361358

Ion Ratio Lower Upper

117 100

82 54.9 43.6 65.4

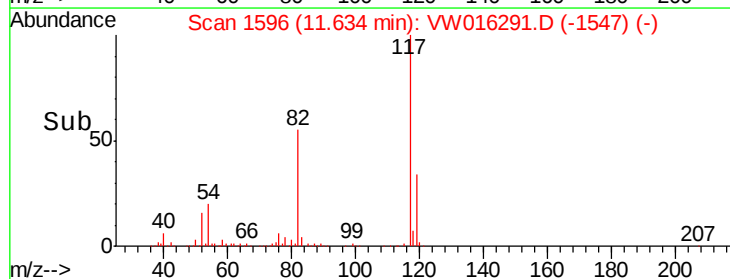
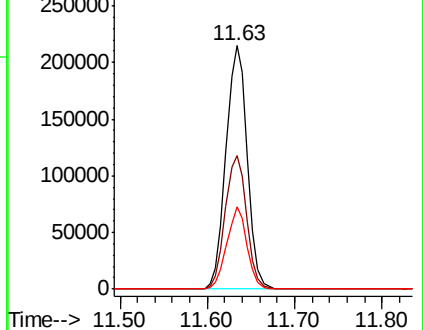
119 34.0 25.4 38.0

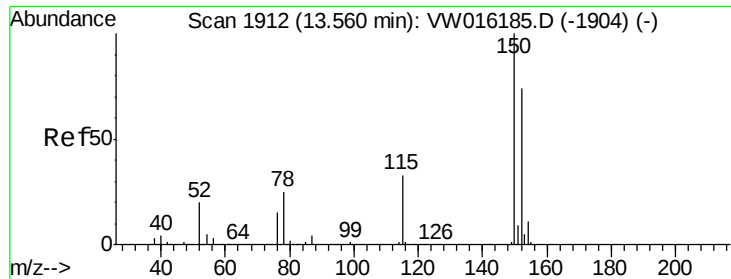


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW016291.D

Acq: 21 Aug 2020 04:34

Instrument :

MSVOA_W

ClientSampleId :

MP-081920-BD-0-2-GRAB

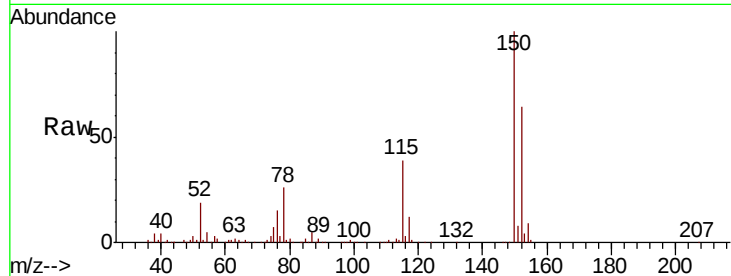
Tot Ion:152 Resp: 133920

Ion Ratio Lower Upper

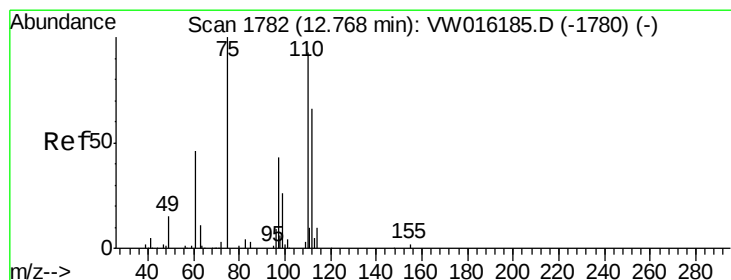
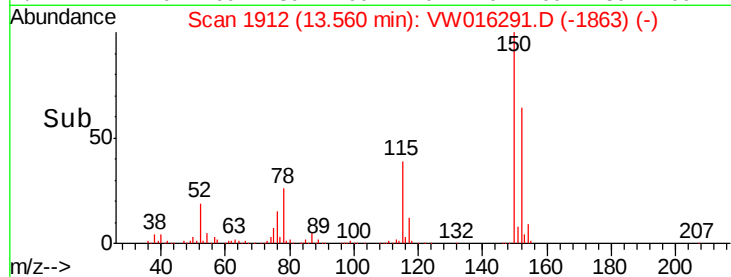
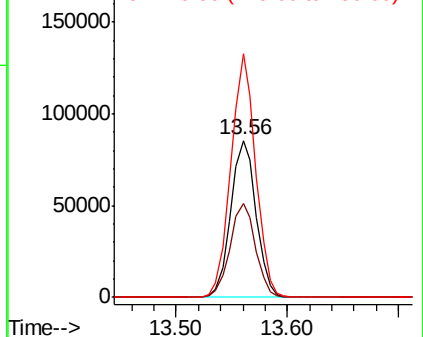
152 100

115 60.3 30.9 92.5

150 151.8 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: 61.601 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW016291.D

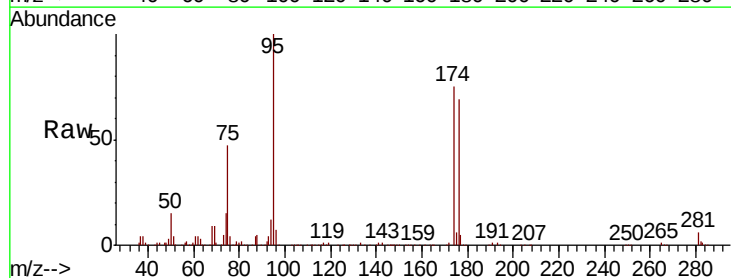
Acq: 21 Aug 2020 04:34

Tgt Ion: 75 Resp: 75869

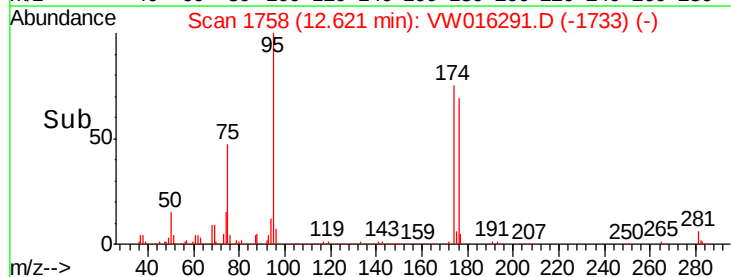
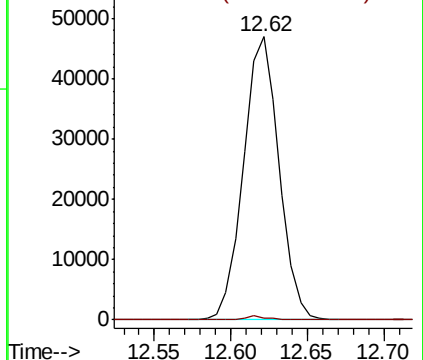
Ion Ratio Lower Upper

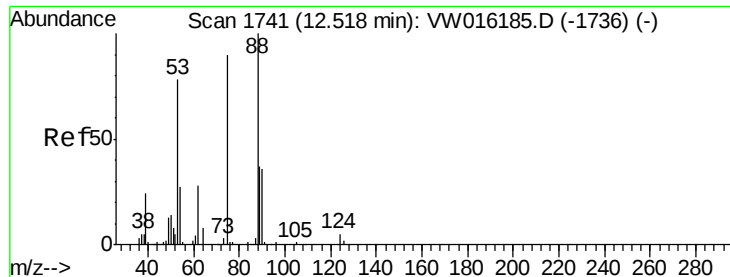
75 100

77 1.2 173.6 520.6#



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: 147.758 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW016291.D

Acq: 21 Aug 2020 04:34

Instrument :

MSVOA_W

ClientSampleId :

MP-081920-BD-0-2-GRAB

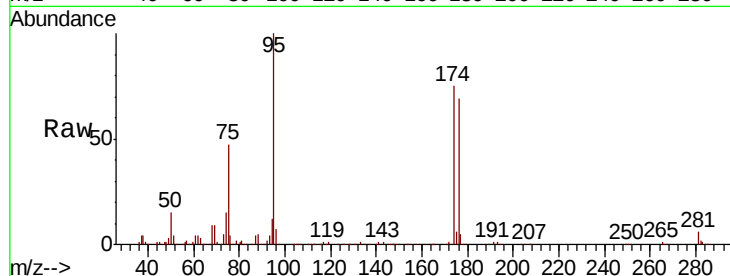
Tot Ion: 75 Resp: 75869

Ion Ratio Lower Upper

75 100

53 0.0 74.6 111.8#

89 0.1 37.2 55.8#

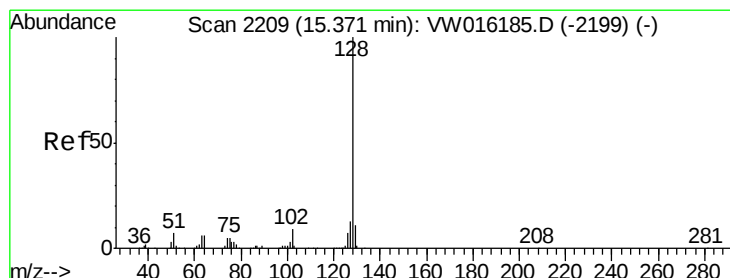
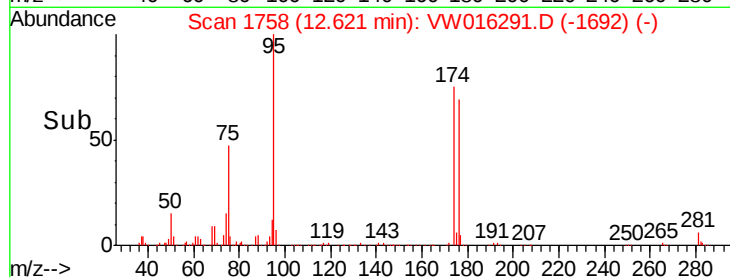
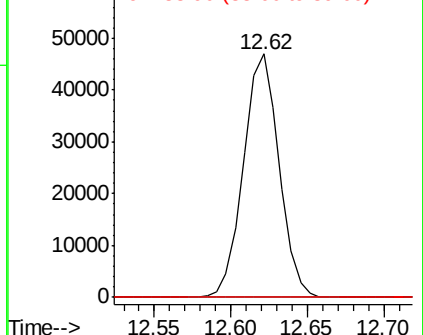


Abundance

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: 3.707 ug/l

RT: 15.36 min Scan# 2207

Delta R.T. -0.01 min

Lab File: VW016291.D

Acq: 21 Aug 2020 04:34

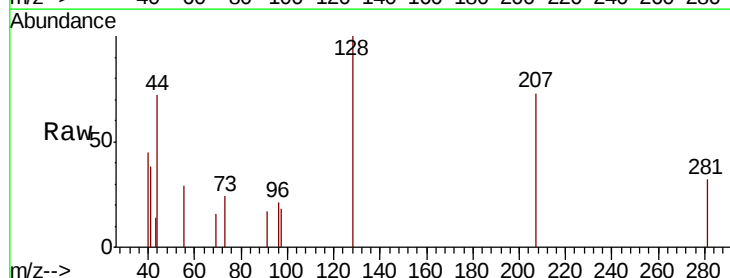
Tgt Ion: 128 Resp: 687

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 2.8 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

