

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082120\
 Data File : VW016289.D
 Acq On : 21 Aug 2020 03:43
 Operator : SY/VA
 Sample : L3720-02
 Misc : 5.20G/5ML/MSVOA W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MP-081920-B10-0-2-GRAB

Quant Time: Aug 21 04:40:06 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	226195	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	402805	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	346124	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	139160	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	115475	52.35	ug/l	0.00
Spiked Amount			Recovery	=	104.70%	
35) Dibromofluoromethane	7.88	113	124952	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	
50) Toluene-d8	10.32	98	478912	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
62) 4-Bromofluorobenzene	12.62	95	153518	44.64	ug/l	0.00
Spiked Amount			Recovery	=	89.28%	

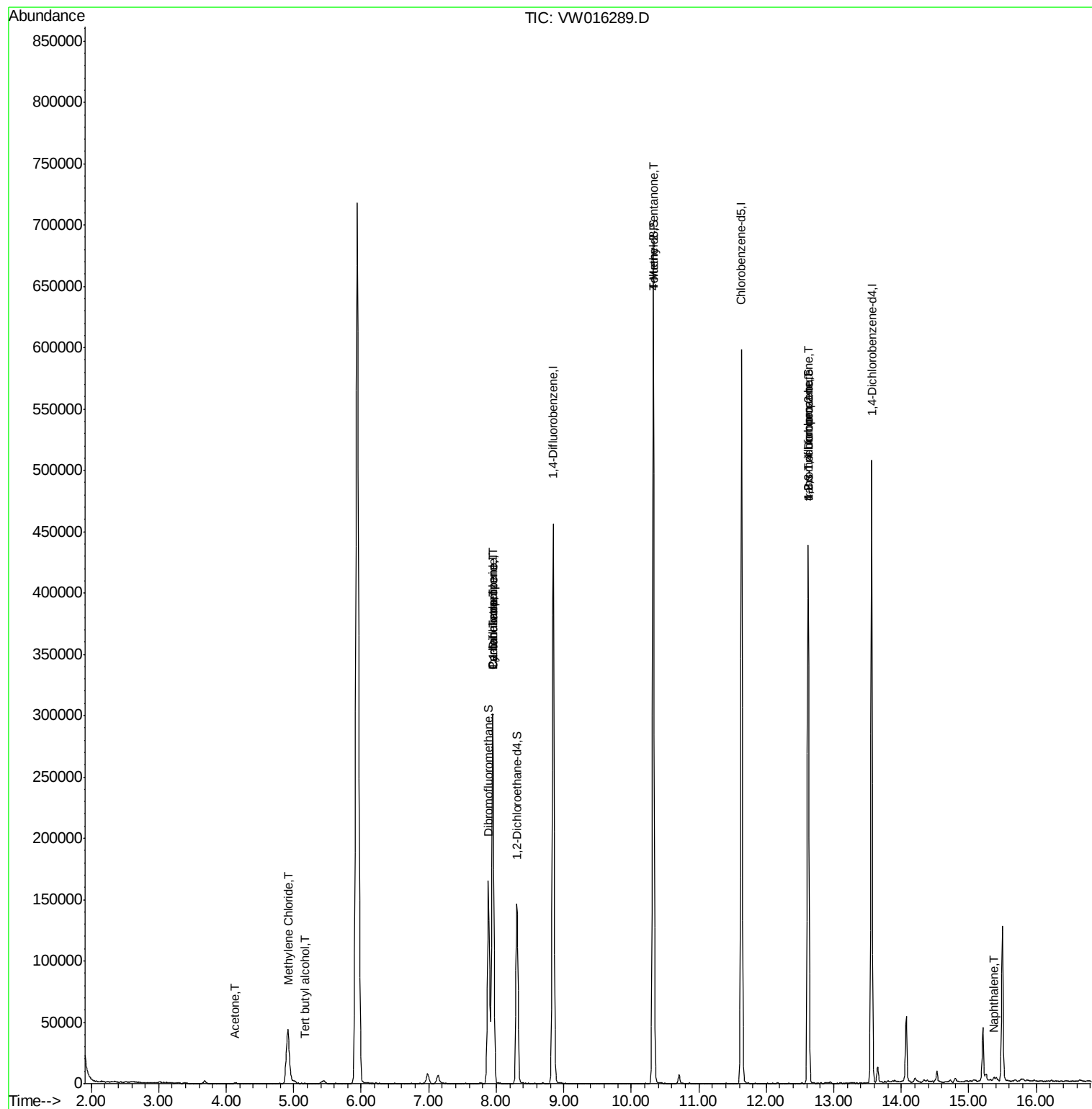
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	155	1.320	ug/l #	70
16) Acetone	4.13	43	681	1.612	ug/l #	42
20) Methylene Chloride	4.92	84	36819	10.081	ug/l	92
31) Cyclohexane	7.95	56	4959	1.232	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	16491	4.156	ug/l #	50
38) Carbon Tetrachloride	7.95	117	22906	5.784	ug/l #	16
51) 4-Methyl-2-Pentanone	10.33	43	1716	1.326	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	73037	57.068	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	73037	136.886	ug/l #	12
95) Naphthalene	15.37	128	3388	4.192	ug/l	97

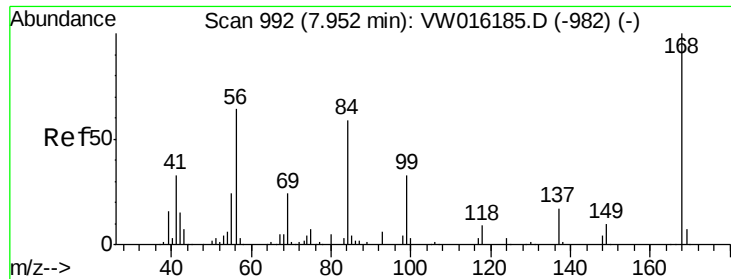
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW082120\
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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: VW016289.D

Acq: 21 Aug 2020 03:43

Instrument :

MSVOA_W

ClientSampleId :

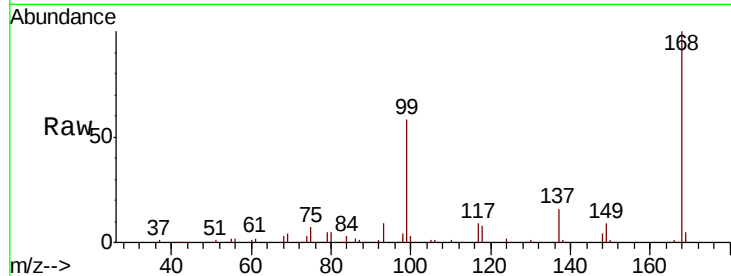
MP-081920-B10-0-2-GRAB

Tot Ion:168 Resp: 226195

Ion Ratio Lower Upper

168 100

99 58.3 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

120000

100000

80000

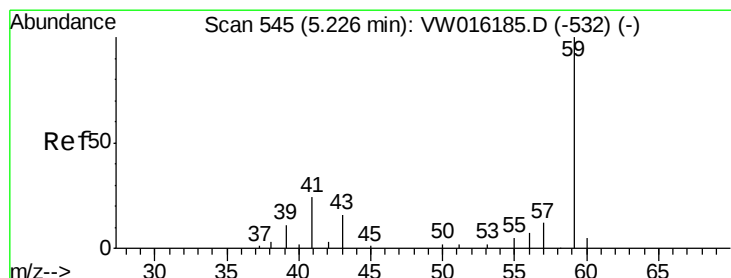
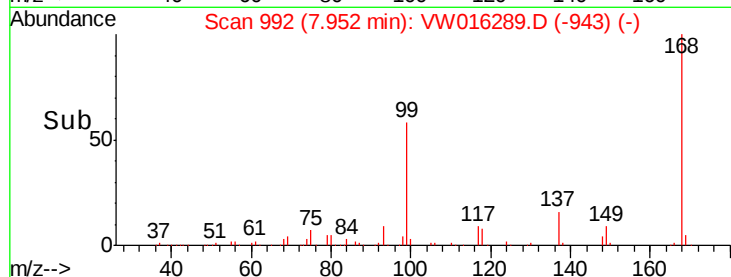
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.320 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.07 min

Lab File: VW016289.D

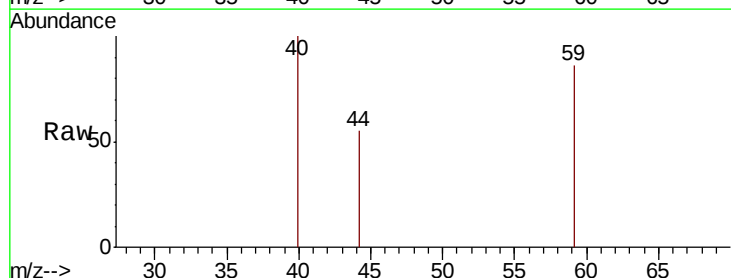
Acq: 21 Aug 2020 03:43

Tgt Ion: 59 Resp: 155

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.16

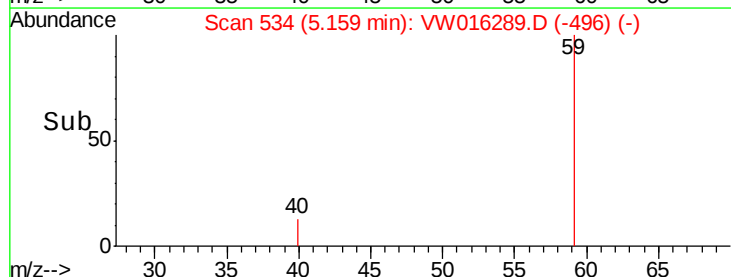
150

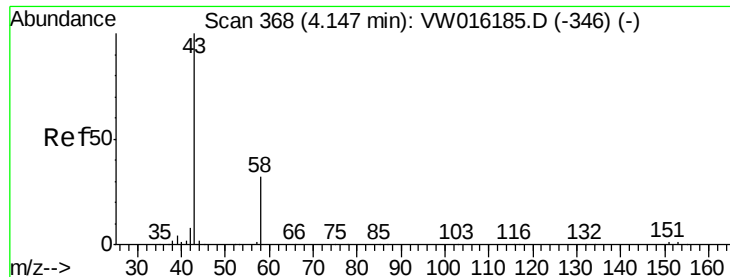
100

50

0

Time-->





#16

Acetone

Concen: 1.612 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.02 min

Lab File: VW016289.D

Acq: 21 Aug 2020 03:43

Instrument :

MSVOA_W

ClientSampleId :

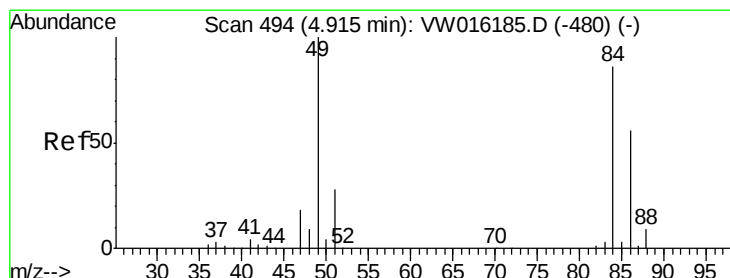
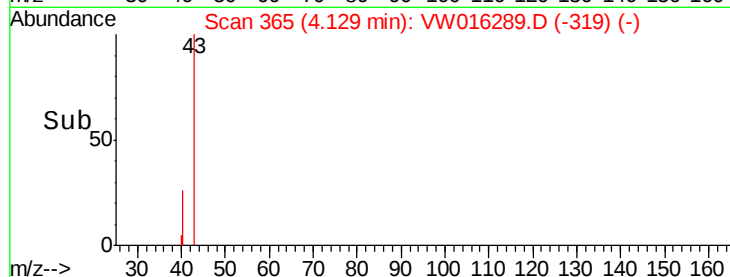
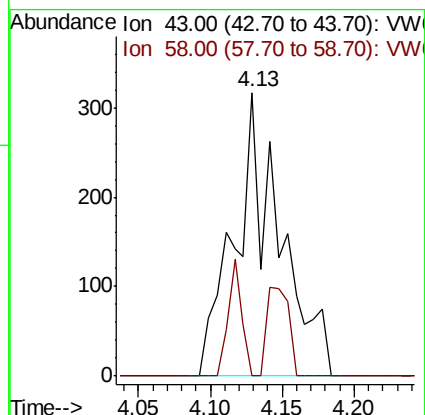
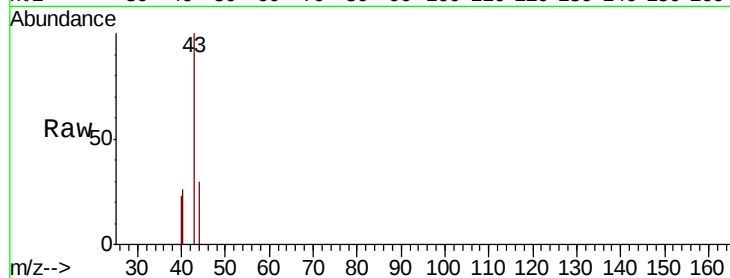
MP-081920-B10-0-2-GRAB

Tot Ion: 43 Resp: 681

Ion Ratio Lower Upper

43 100

58 0.0 25.8 38.6#



#20

Methylene Chloride

Concen: 10.081 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW016289.D

Acq: 21 Aug 2020 03:43

Tgt Ion: 84 Resp: 36819

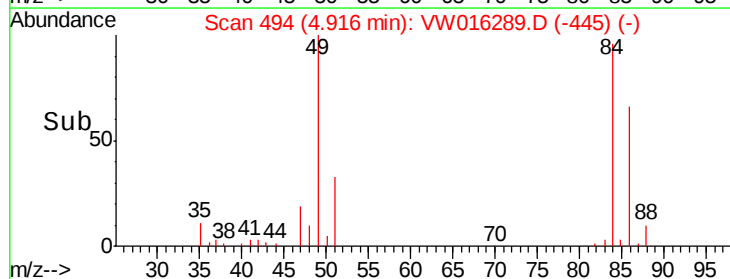
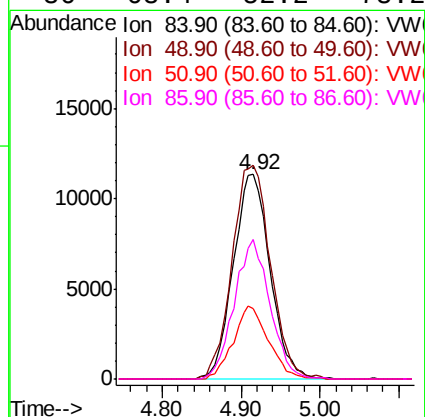
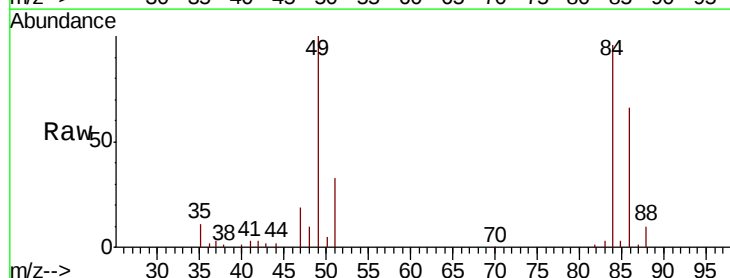
Ion Ratio Lower Upper

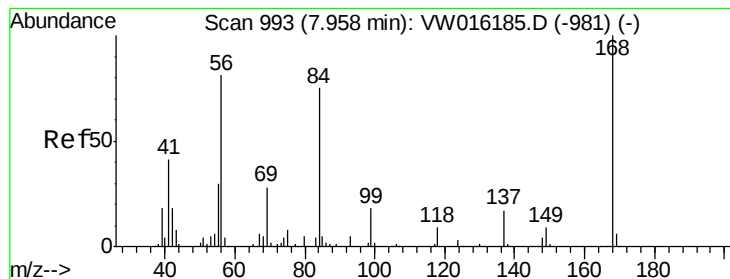
84 100

49 104.4 93.4 140.2

51 34.4 26.6 40.0

86 68.4 52.2 78.2





#31

Cyclohexane

Concen: 1.232 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW016289.D

Acq: 21 Aug 2020 03:43

Instrument :

MSVOA_W

ClientSampleId :

MP-081920-B10-0-2-GRAB

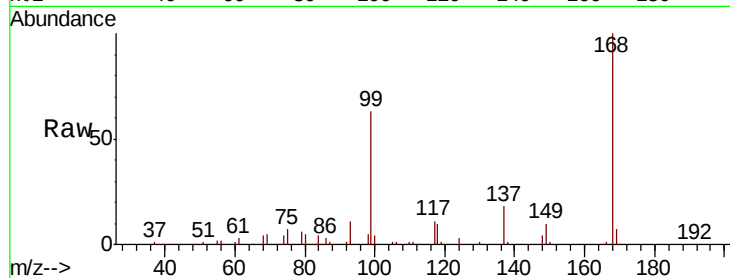
Tot Ion: 56 Resp: 4959

Ion Ratio Lower Upper

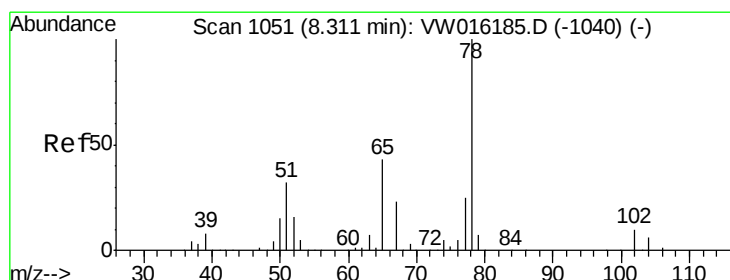
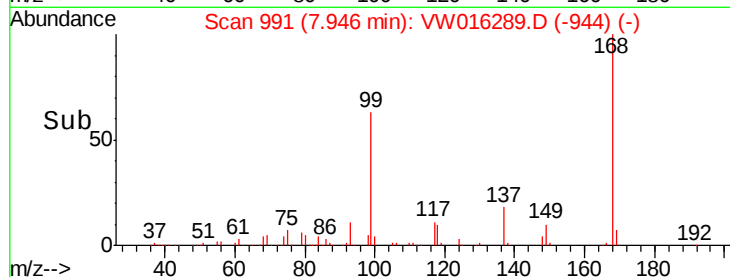
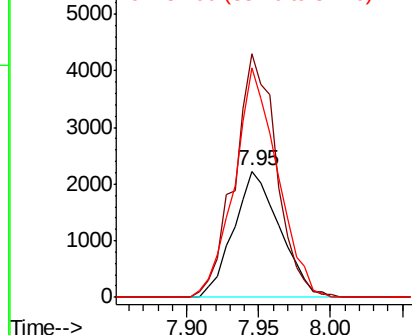
56 100

69 193.0 27.3 40.9#

84 181.9 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: 52.349 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW016289.D

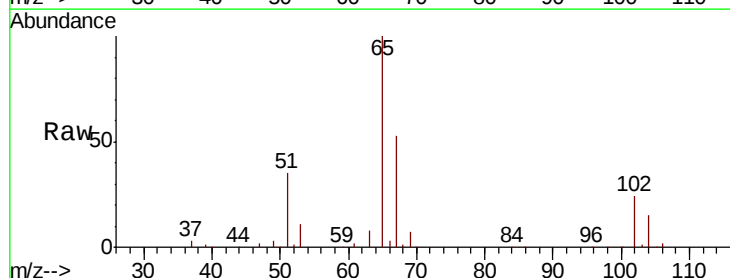
Acq: 21 Aug 2020 03:43

Tgt Ion: 65 Resp: 115475

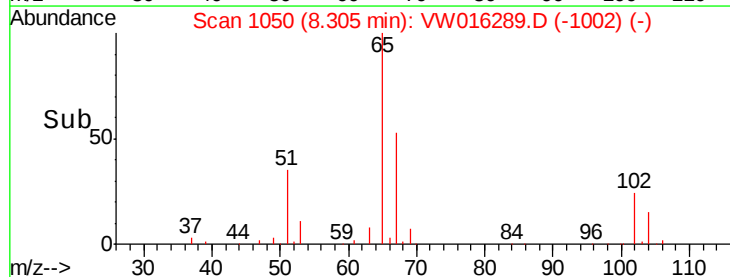
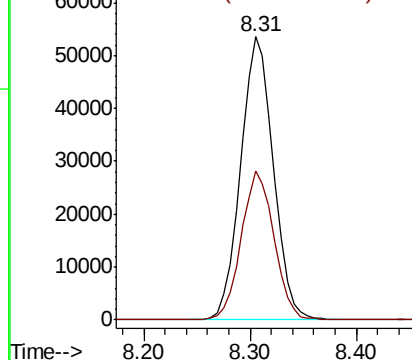
Ion Ratio Lower Upper

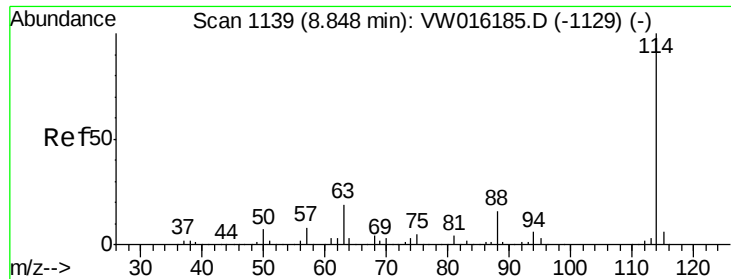
65 100

67 52.9 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

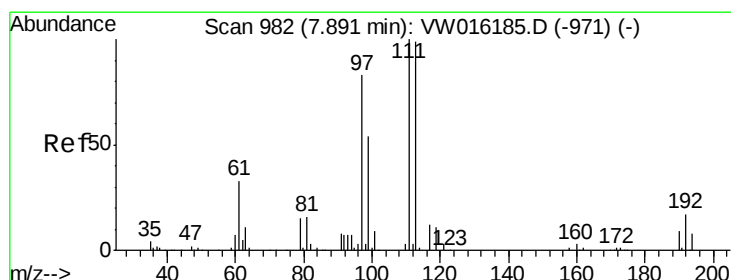
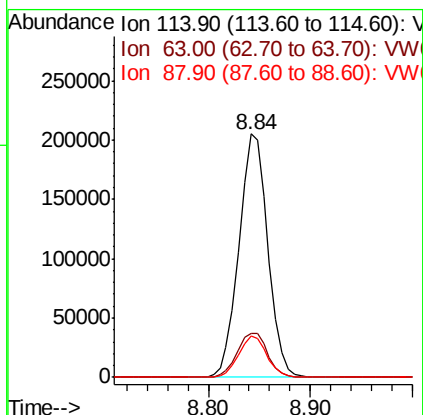
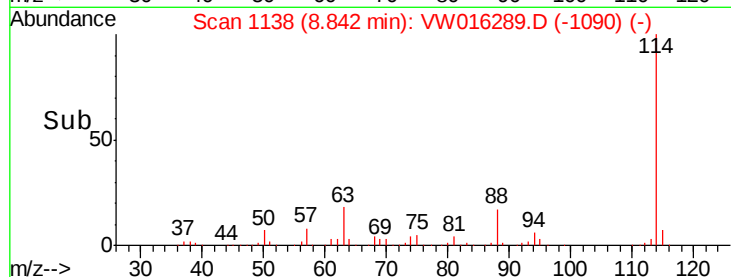
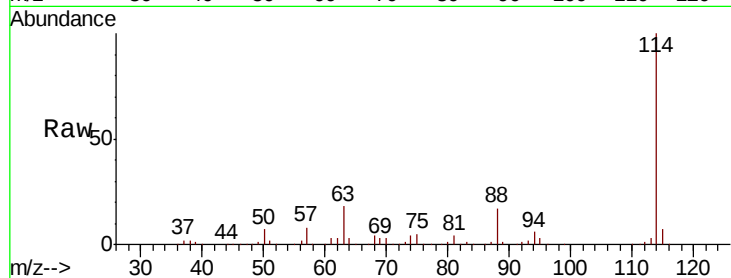




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW016289.D
 Acq: 21 Aug 2020 03:43

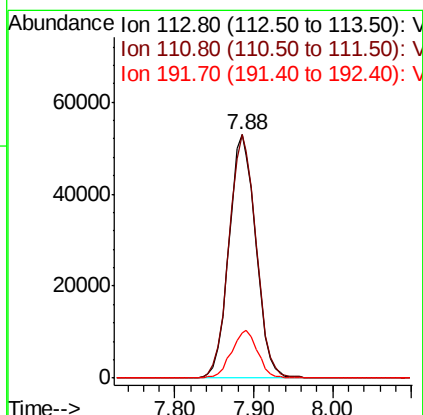
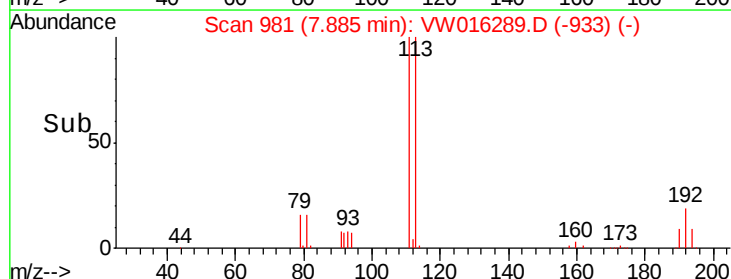
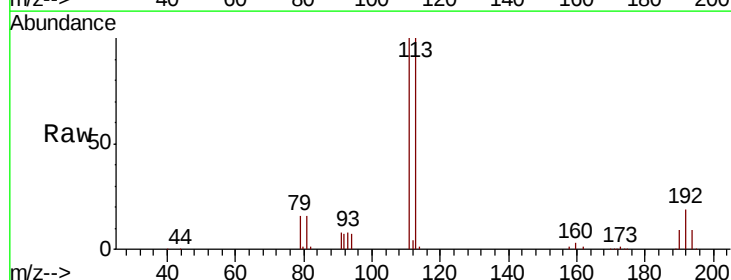
Instrument :
 MSVOA_W
 ClientSampleId :
 MP-081920-B10-0-2-GRAB

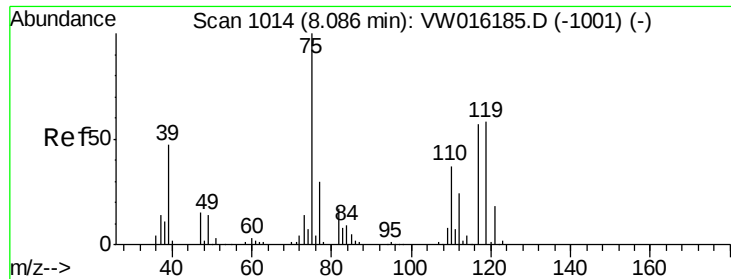
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	38.4
88	16.9	0.0	32.8



#35
 Dibromofluoromethane
 Concen: 50.276 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW016289.D
 Acq: 21 Aug 2020 03:43

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.9	83.5	125.3
192	19.3	14.3	21.5

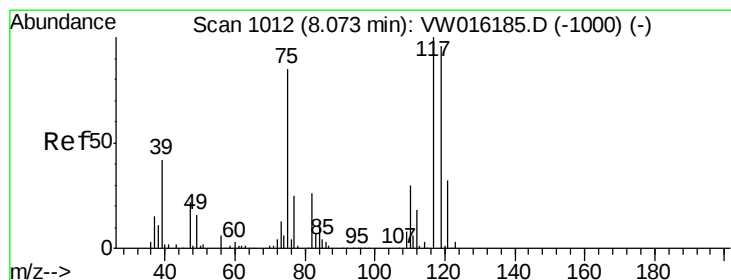
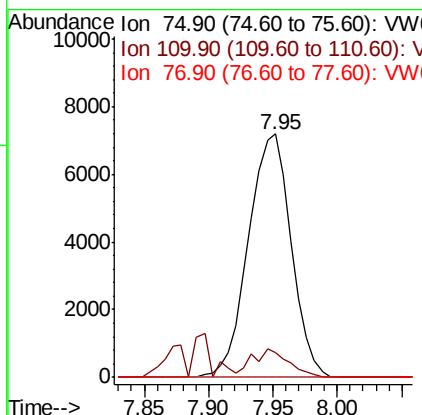
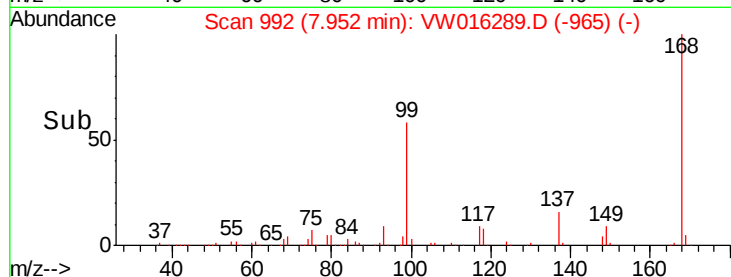
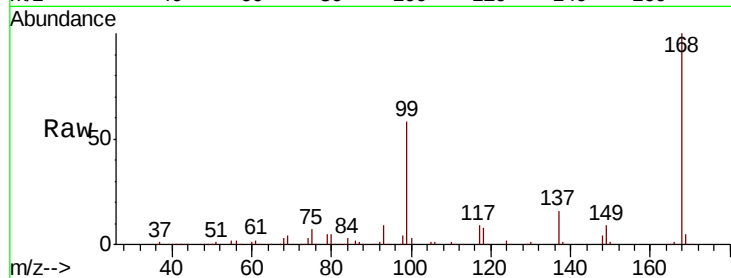




#36
 1,1-Dichloropropene
 Concen: 4.156 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW016289.D
 Acq: 21 Aug 2020 03:43

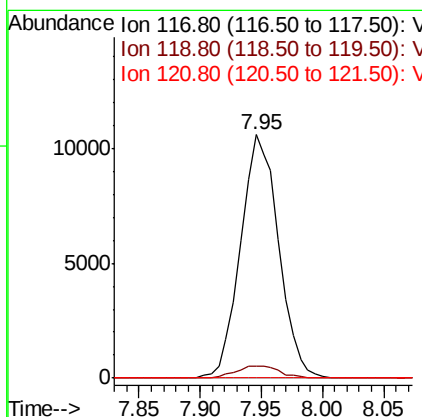
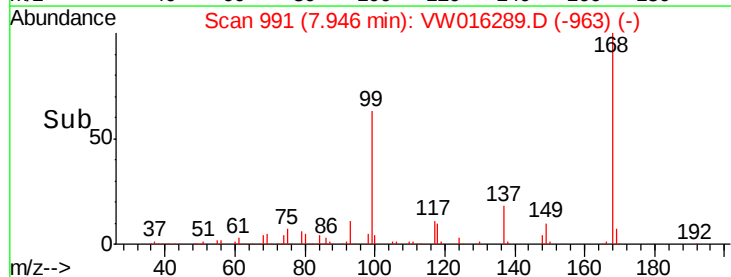
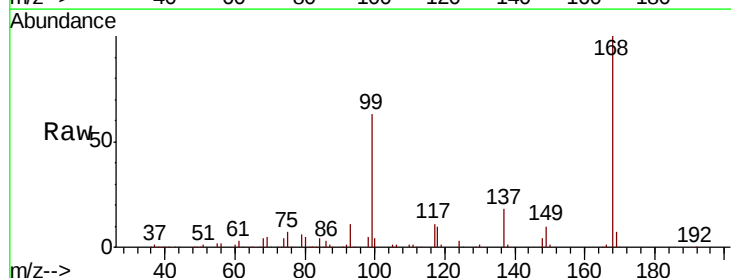
Instrument :
 MSVOA_W
 ClientSampleId :
 MP-081920-B10-0-2-GRAB

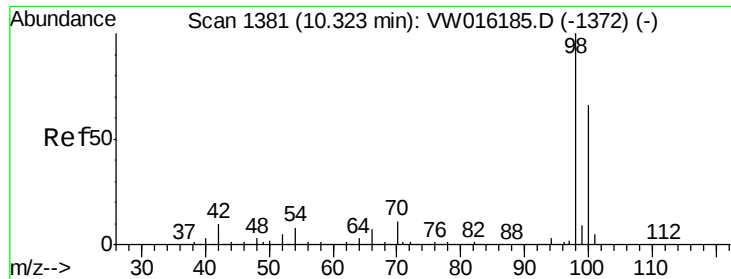
Tot Ion	75	Resp	16491
Ion Ratio	100	Lower	Upper
75	100		
110	9.9	18.1	54.3#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 5.784 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW016289.D
 Acq: 21 Aug 2020 03:43

Tgt Ion	117	Resp	22906
Ion Ratio	100	Lower	Upper
117	100		
119	5.0	76.6	115.0#
121	0.0	25.4	38.0#

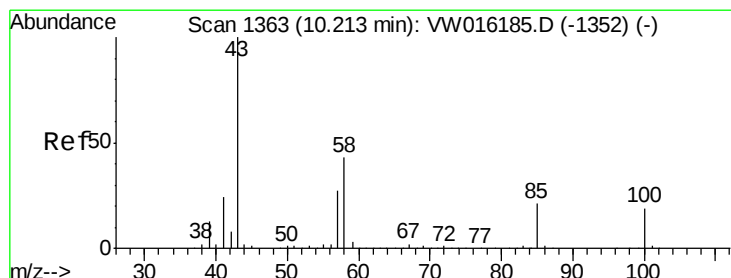
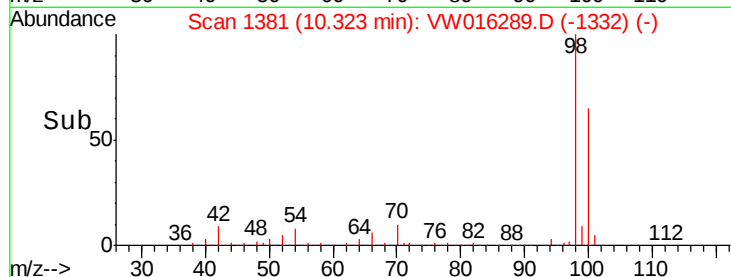
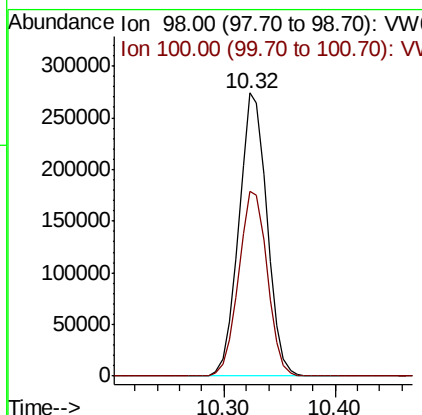
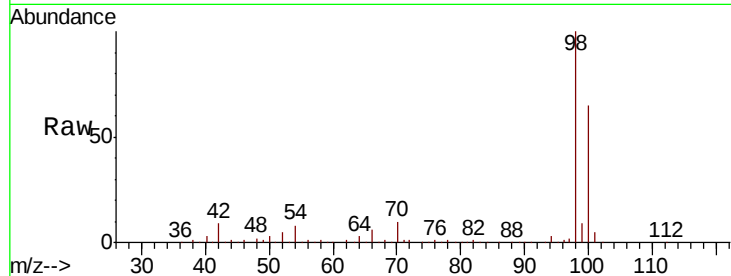




#50
Toluene-d8
Concen: 49.781 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW016289.D
Acq: 21 Aug 2020 03:43

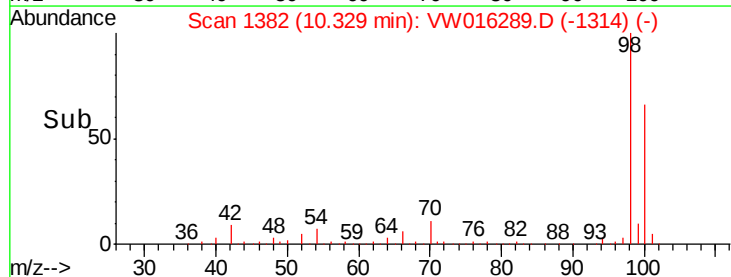
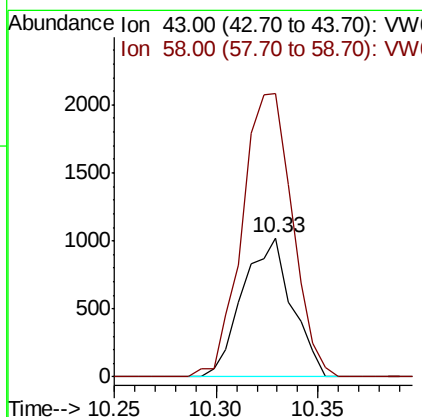
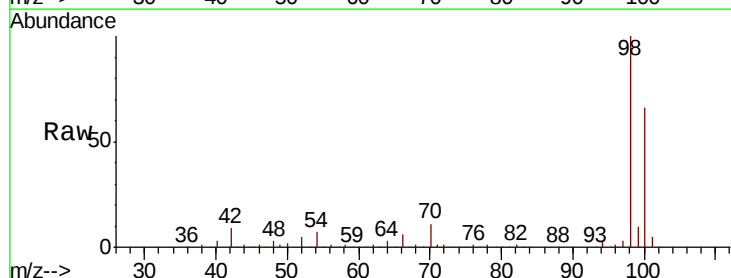
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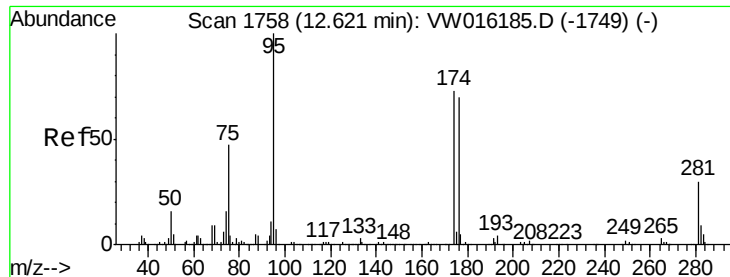
Tot Ion: 98 Resp: 478912
Ion Ratio Lower Upper
98 100
100 66.7 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 1.326 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.12 min
Lab File: VW016289.D
Acq: 21 Aug 2020 03:43

Tgt Ion: 43 Resp: 1716
Ion Ratio Lower Upper
43 100
58 208.2 33.7 50.5#





#62

4-Bromofluorobenzene

Concen: 44.643 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW016289.D

Acq: 21 Aug 2020 03:43

Instrument :

MSVOA_W

ClientSampleId :

MP-081920-B10-0-2-GRAB

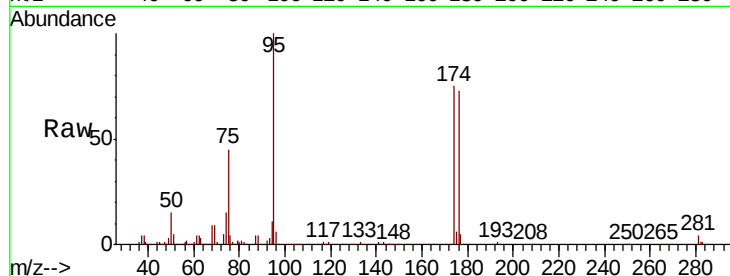
Tot Ion: 95 Resp: 153518

Ion Ratio Lower Upper

95 100

174 75.2 0.0 145.6

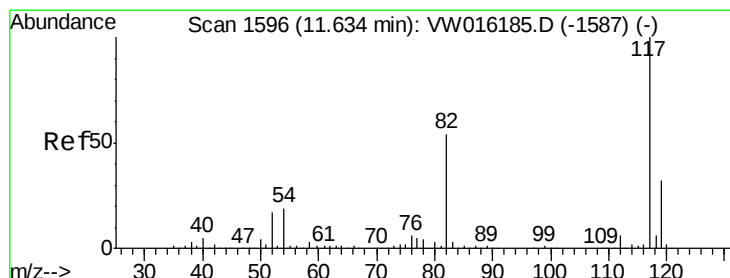
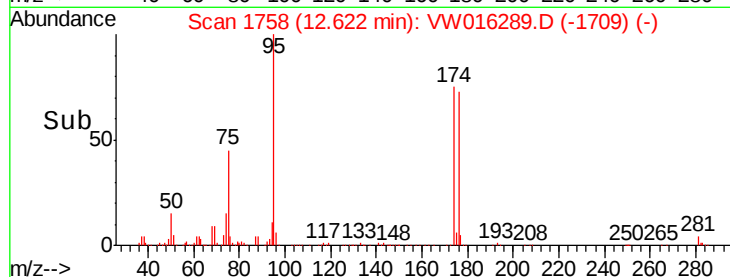
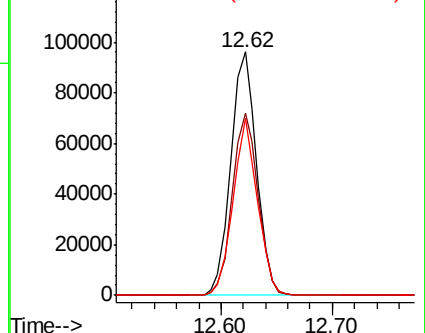
176 69.1 0.0 137.8



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: VW016289.D

Acq: 21 Aug 2020 03:43

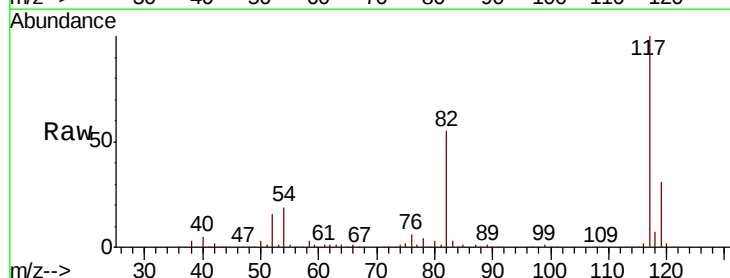
Tgt Ion: 117 Resp: 346124

Ion Ratio Lower Upper

117 100

82 54.7 43.6 65.4

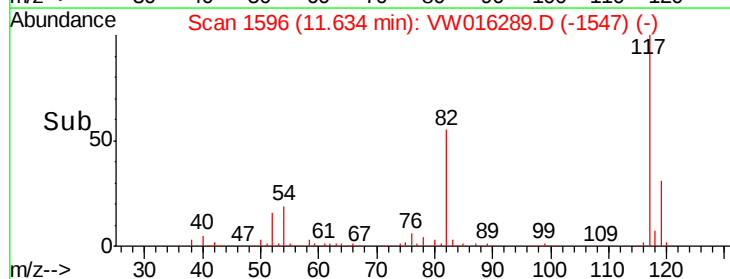
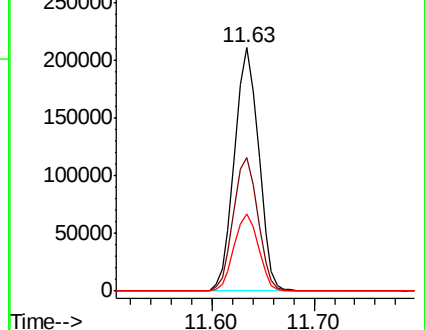
119 31.5 25.4 38.0

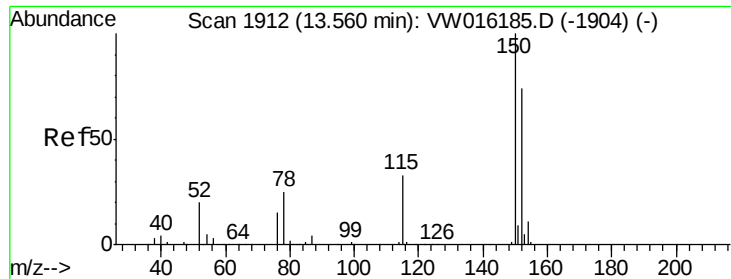


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW016289.D

Acq: 21 Aug 2020 03:43

Instrument :

MSVOA_W

ClientSampleId :

MP-081920-B10-0-2-GRAB

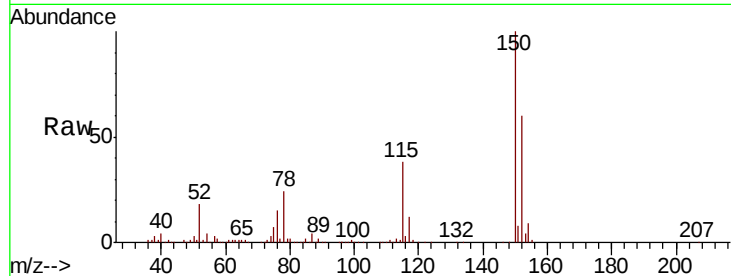
Tot Ion:152 Resp: 139160

Ion Ratio Lower Upper

152 100

115 60.2 30.9 92.5

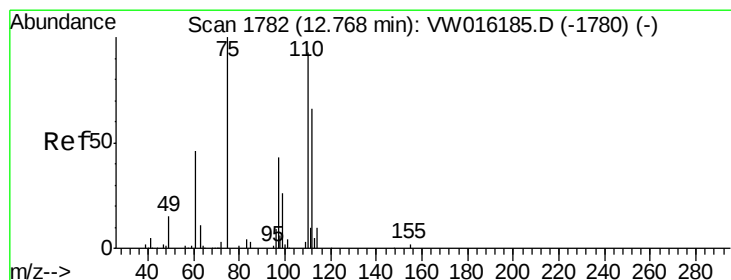
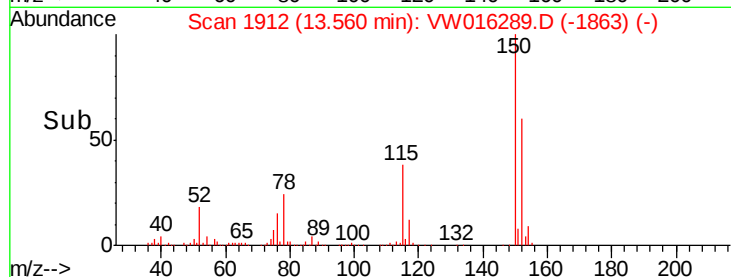
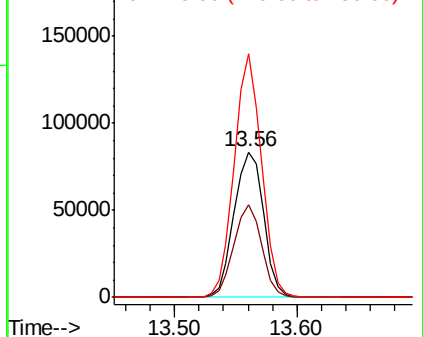
150 155.0 0.0 337.8



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: 57.068 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW016289.D

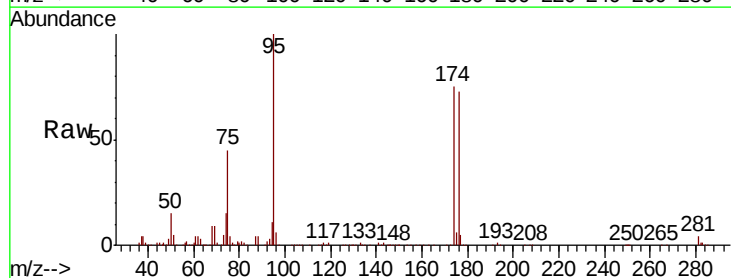
Acq: 21 Aug 2020 03:43

Tgt Ion: 75 Resp: 73037

Ion Ratio Lower Upper

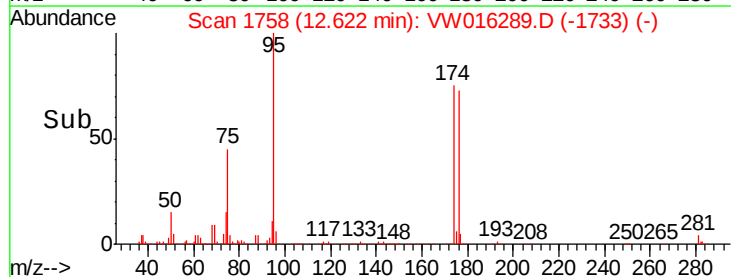
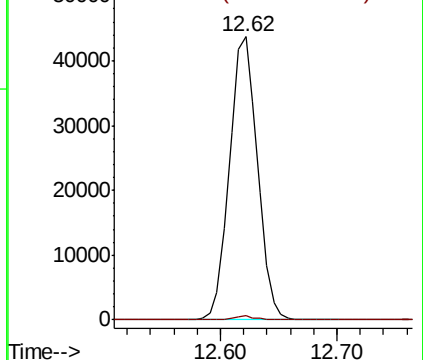
75 100

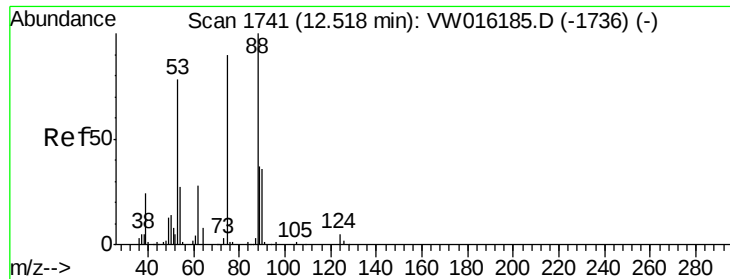
77 1.1 173.6 520.6#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

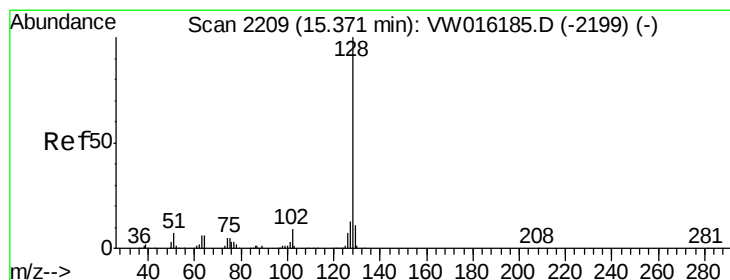
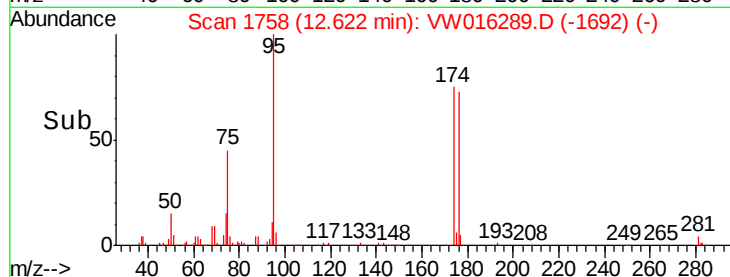
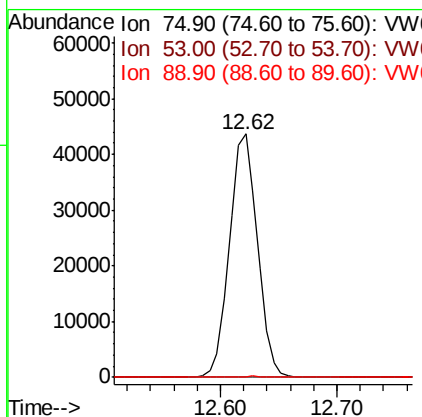
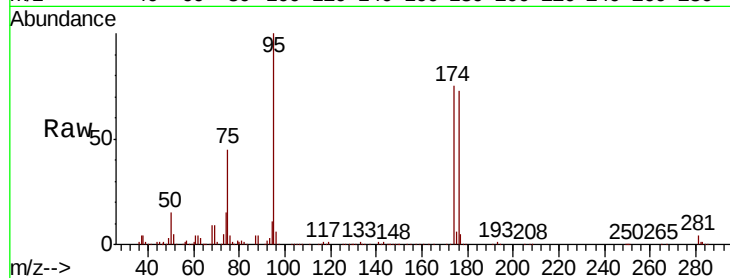




#81
trans-1,4-Dichloro-2-butene
Concen: 136.886 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.10 min
Lab File: VW016289.D
Acq: 21 Aug 2020 03:43

Instrument :
MSVOA_W
ClientSampleId :
MP-081920-B10-0-2-GRAB

Tot Ion: 75 Resp: 73037
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.1 37.2 55.8#



#95
Naphthalene
Concen: 4.192 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW016289.D
Acq: 21 Aug 2020 03:43

Tgt Ion: 128 Resp: 3388
Ion Ratio Lower Upper
128 100
127 14.6 10.2 15.4
129 10.4 8.7 13.1

