

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082120\
 Data File : VW016292.D
 Acq On : 21 Aug 2020 04:59
 Operator : SY/VA
 Sample : L3720-08
 Misc : 4.80G/5ML/MSVOA W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MP-081920-B9-0-2-GRAB

Quant Time: Aug 21 08:06:57 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

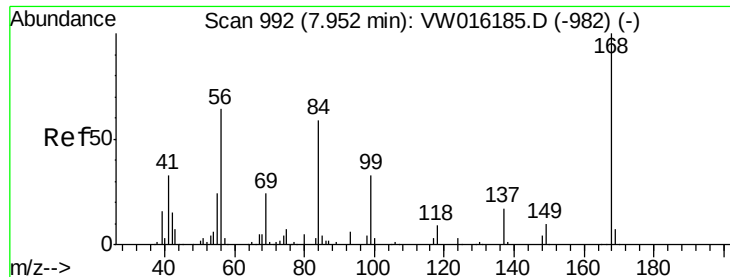
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	213909	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	395916	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	350200	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	119138	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	115572	55.40	ug/l	0.00
Spiked Amount			Recovery	=	110.80%	
35) Dibromofluoromethane	7.88	113	123210	50.44	ug/l	0.00
Spiked Amount			Recovery	=	100.88%	
50) Toluene-d8	10.32	98	488995	51.71	ug/l	0.00
Spiked Amount			Recovery	=	103.42%	
62) 4-Bromofluorobenzene	12.62	95	151057	44.69	ug/l	0.00
Spiked Amount			Recovery	=	89.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1457	1.323	ug/l	96
11) Tert butyl alcohol	5.17	59	117	1.054	ug/l #	70
16) Acetone	4.12	43	437	1.094	ug/l #	83
20) Methylene Chloride	4.91	84	44152	14.253	ug/l	95
31) Cyclohexane	7.95	56	4219	1.108	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	15919	4.081	ug/l #	50
38) Carbon Tetrachloride	7.95	117	22247	5.716	ug/l #	17
51) 4-Methyl-2-Pentanone	10.32	43	1660	1.305	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	70799	64.616	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	70799	154.991	ug/l #	12
95) Naphthalene	15.36	128	454	3.674	ug/l #	69

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

```
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Data File : VW016292.D  
Acq On    : 21 Aug 2020   04:59  
Operator  : SY/VA  
Sample    : L3720-08  
Misc      : 4.80G/5ML/MSVOA W/SOIL  
ALS Vial  : 30      Sample Multiplier: 1
```



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW016292.D

Acq: 21 Aug 2020 04:59

Instrument :

MSVOA_W

ClientSampleId :

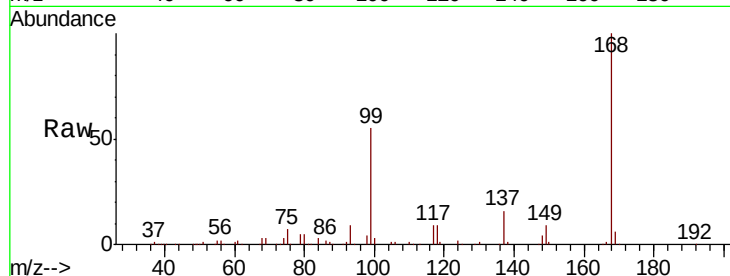
MP-081920-B9-0-2-GRAB

Tot Ion:168 Resp: 213909

Ion Ratio Lower Upper

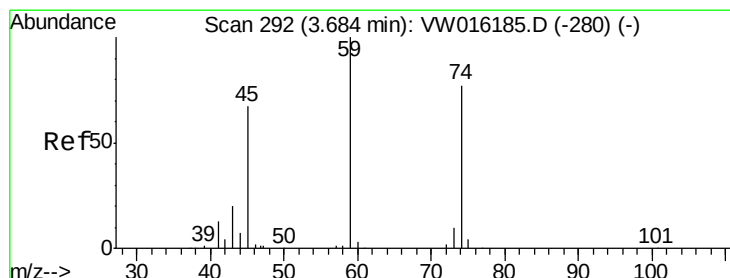
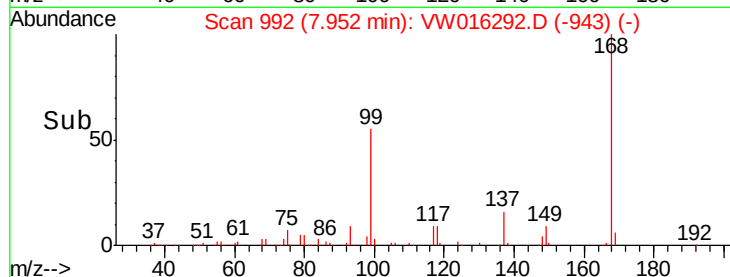
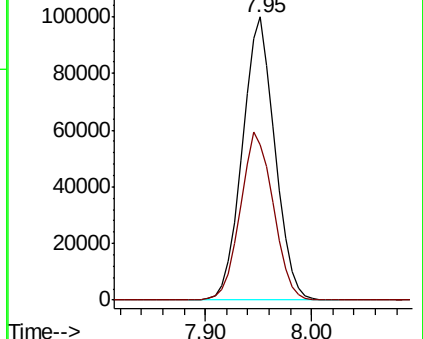
168 100

99 54.8 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: 1.323 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.00 min

Lab File: VW016292.D

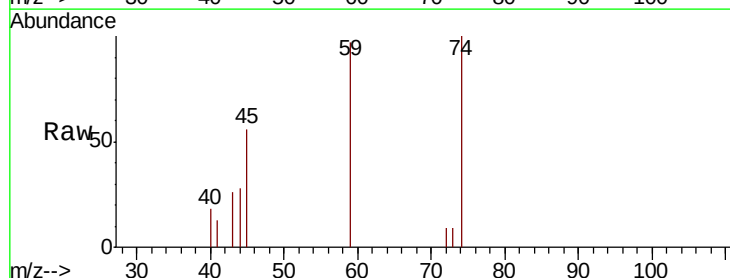
Acq: 21 Aug 2020 04:59

Tgt Ion: 74 Resp: 1457

Ion Ratio Lower Upper

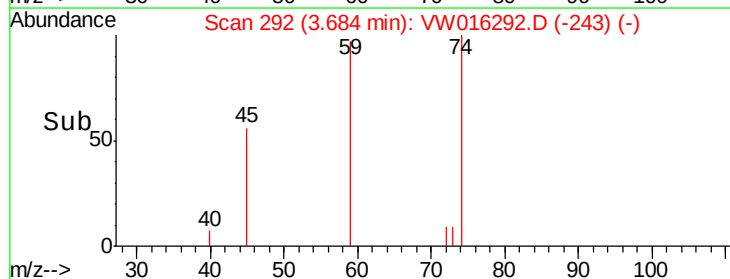
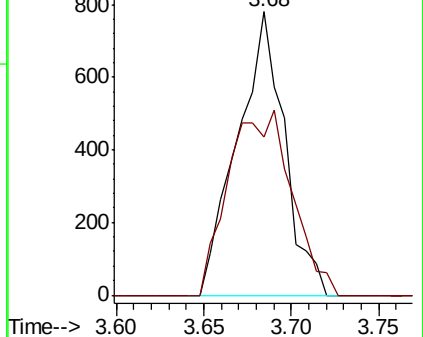
74 100

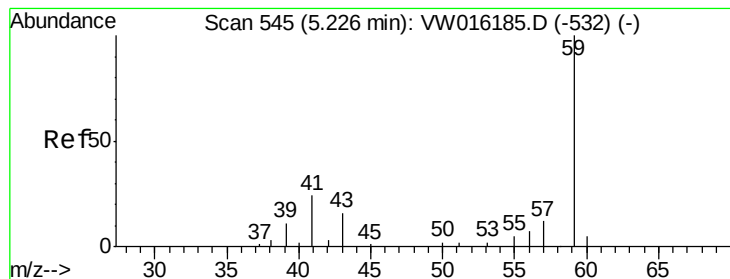
45 88.3 45.9 137.7



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#11

Tert butyl alcohol

Concen: 1.054 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.06 min

Lab File: VW016292.D

Acq: 21 Aug 2020 04:59

Instrument :

MSVOA_W

ClientSampleId :

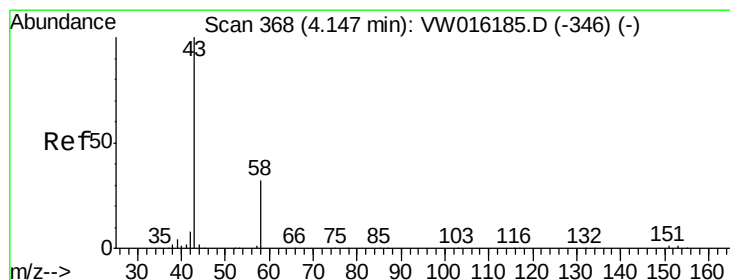
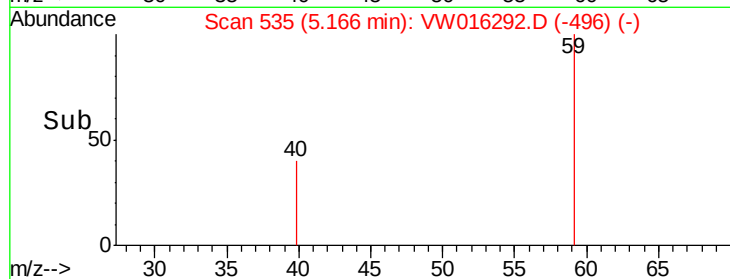
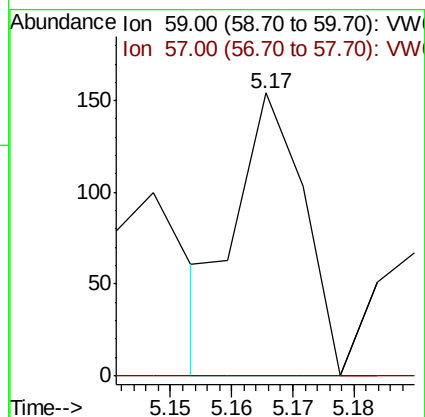
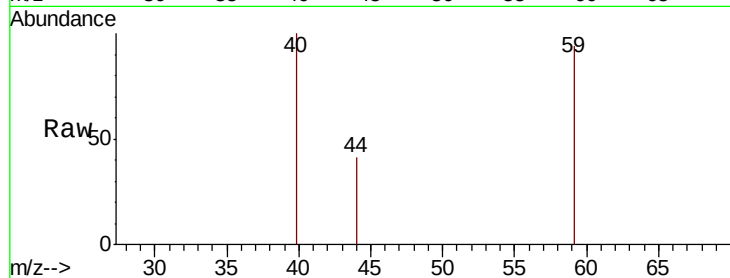
MP-081920-B9-0-2-GRAB

Tot Ion: 59 Resp: 117

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.6#



#16

Acetone

Concen: 1.094 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

Lab File: VW016292.D

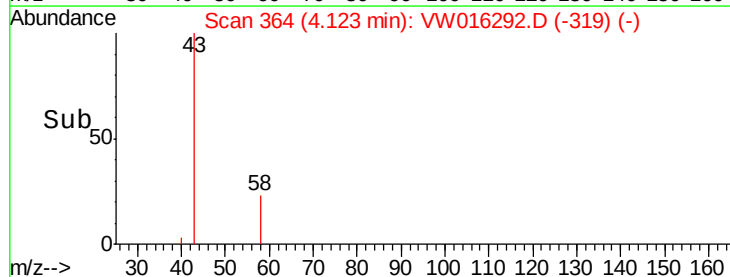
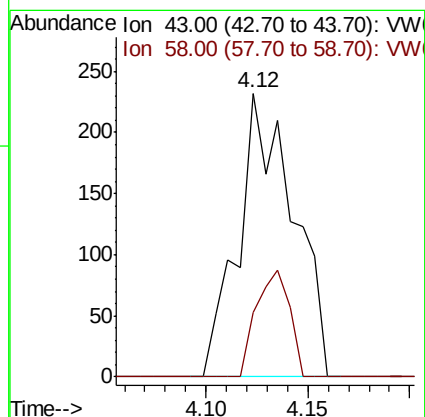
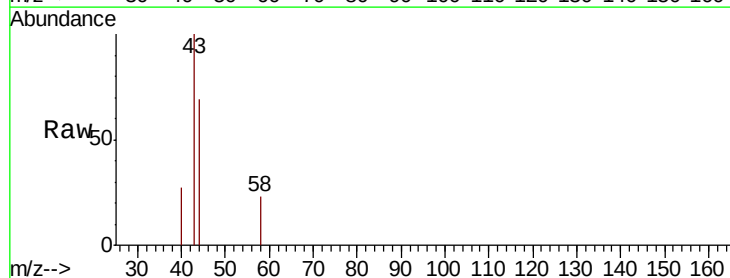
Acq: 21 Aug 2020 04:59

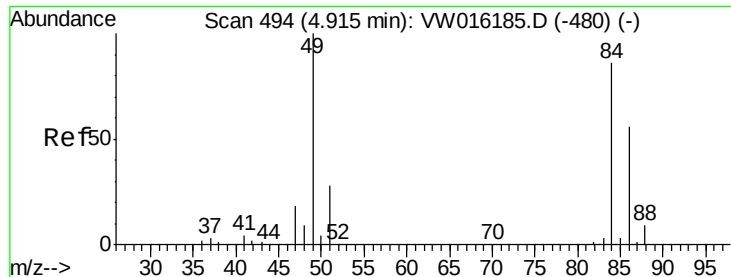
Tgt Ion: 43 Resp: 437

Ion Ratio Lower Upper

43 100

58 22.8 25.8 38.6#

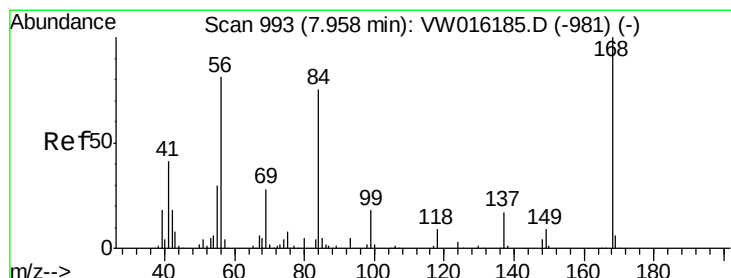
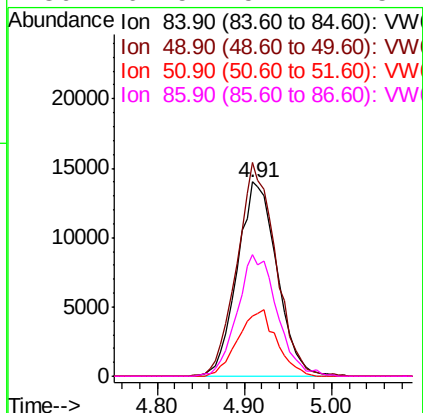
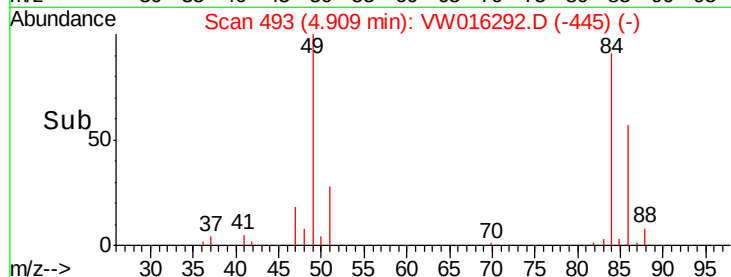
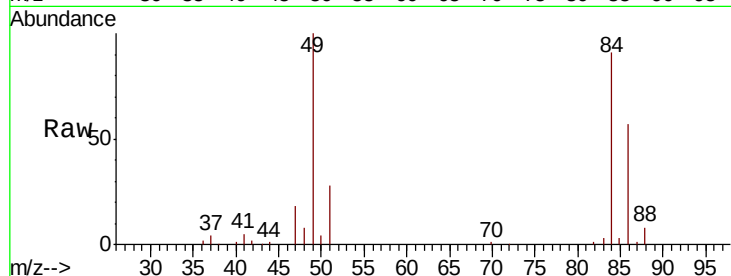




#20
Methylene Chloride
Concen: 14.253 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW016292.D
Acq: 21 Aug 2020 04:59

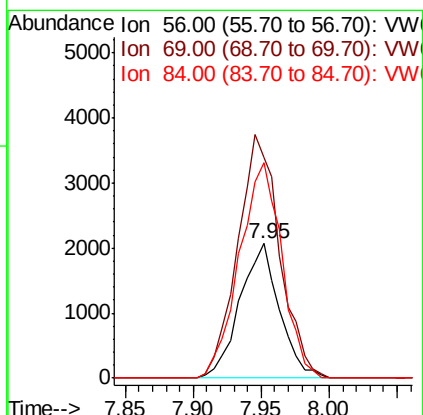
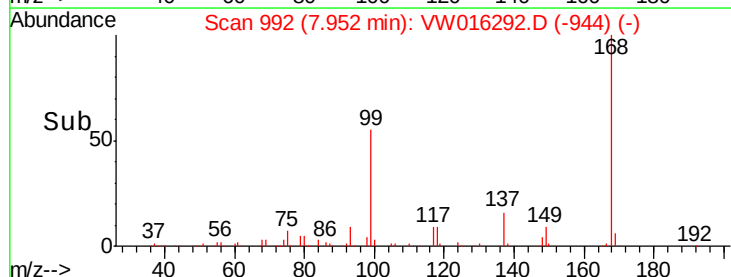
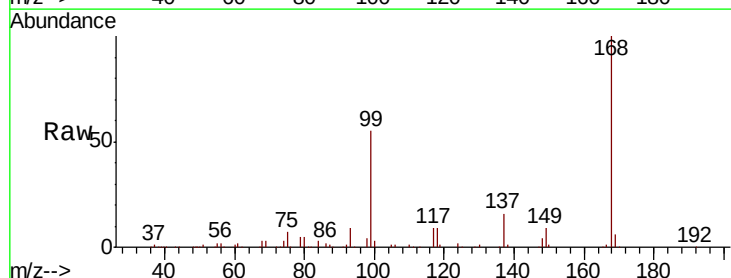
Instrument :
MSVOA_W
ClientSampleId :
MP-081920-B9-0-2-GRAB

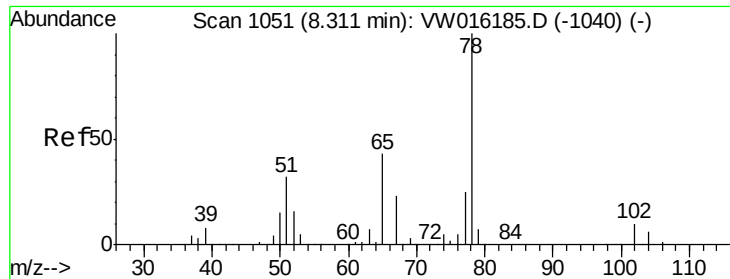
Tot Ion:	84	Resp:	44152
Ion	Ratio	Lower	Upper
84	100		
49	109.9	93.4	140.2
51	31.1	26.6	40.0
86	62.5	52.2	78.2



#31
Cyclohexane
Concen: 1.108 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW016292.D
Acq: 21 Aug 2020 04:59

Tgt Ion:	56	Resp:	4219
Ion	Ratio	Lower	Upper
56	100		
69	163.9	27.3	40.9#
84	160.7	73.5	110.3#

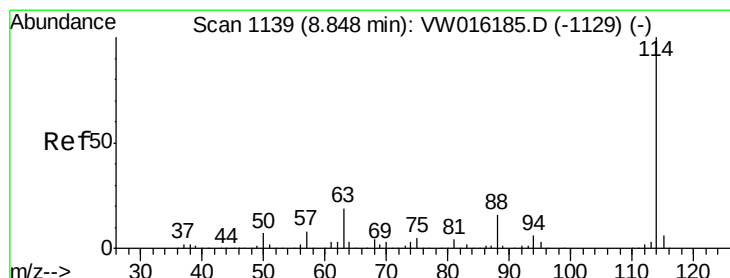
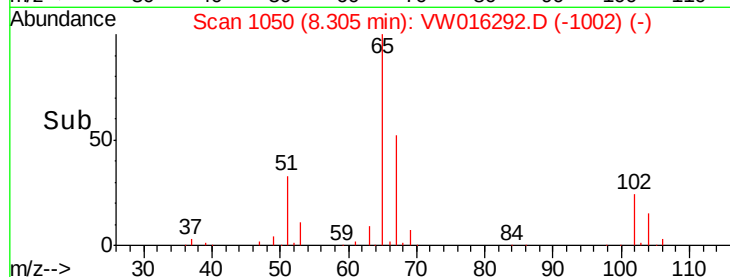
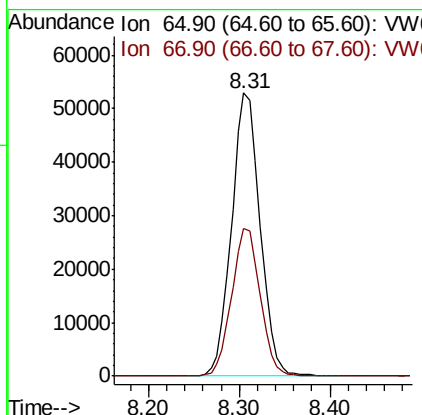
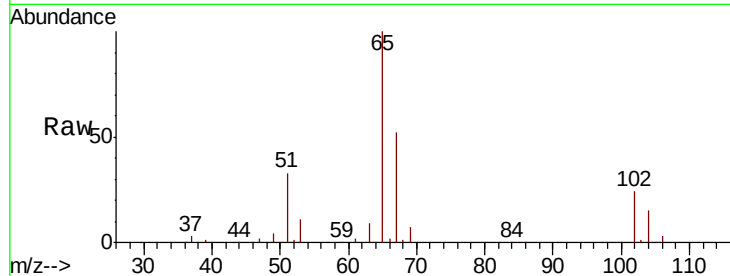




#33
 1,2-Dichloroethane-d4
 Concen: 55.403 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW016292.D
 Acq: 21 Aug 2020 04:59

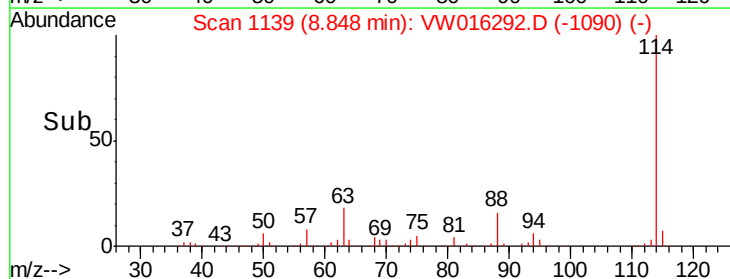
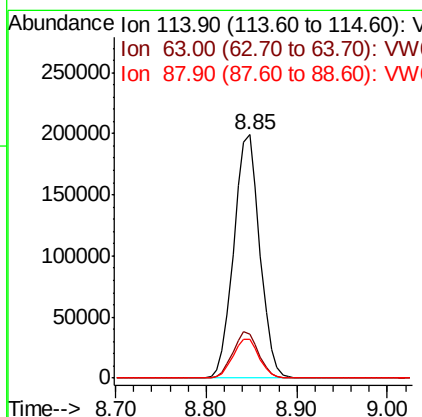
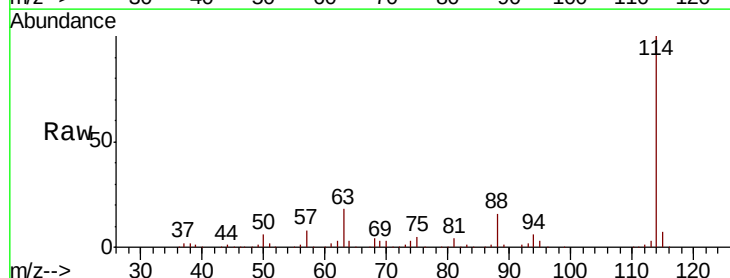
Instrument :
 MSVOA_W
 ClientSampleId :
 MP-081920-B9-0-2-GRAB

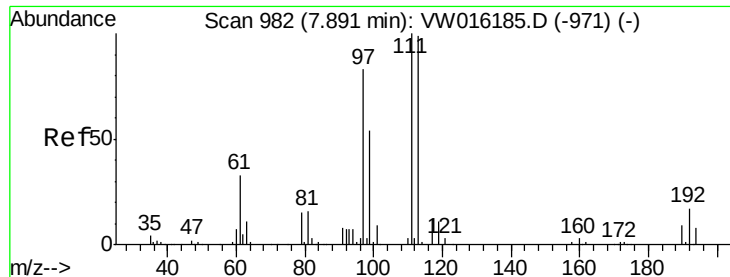
Tot Ion: 65 Resp: 115572
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW016292.D
 Acq: 21 Aug 2020 04:59

Tgt Ion: 114 Resp: 395916
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 38.4
 88 15.7 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.437 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW016292.D

Acq: 21 Aug 2020 04:59

Instrument :

MSVOA_W

ClientSampleId :

MP-081920-B9-0-2-GRAB

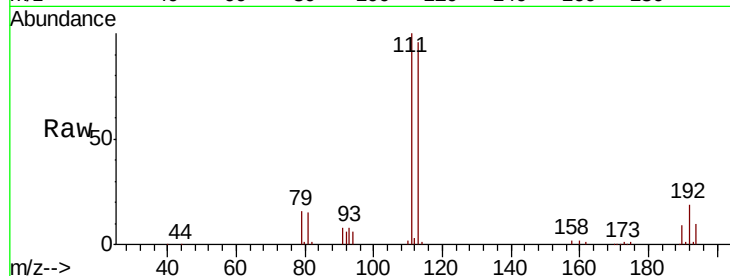
Tot Ion:113 Resp: 123210

Ion Ratio Lower Upper

113 100

111 103.0 83.5 125.3

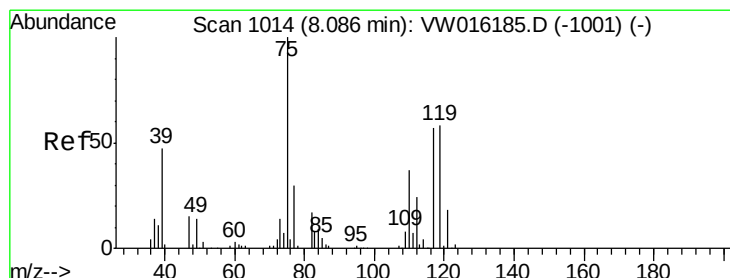
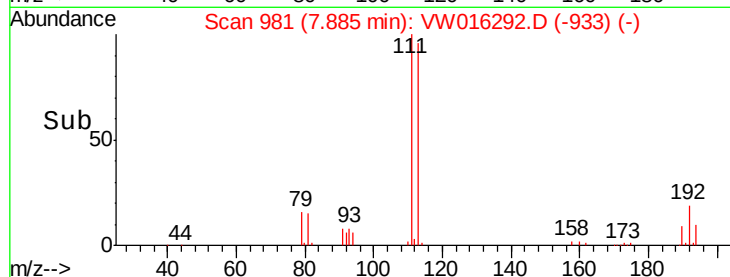
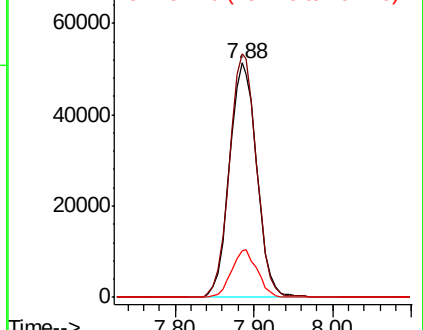
192 19.1 14.3 21.5



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: 4.081 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW016292.D

Acq: 21 Aug 2020 04:59

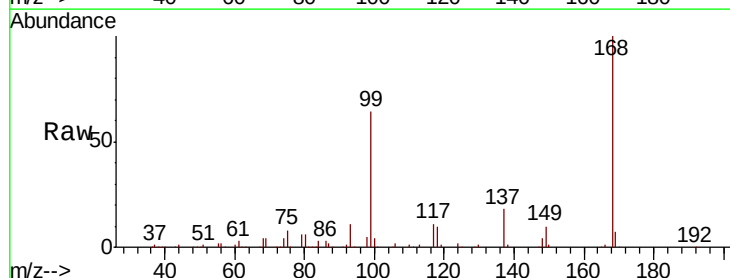
Tgt Ion: 75 Resp: 15919

Ion Ratio Lower Upper

75 100

110 9.9 18.1 54.3#

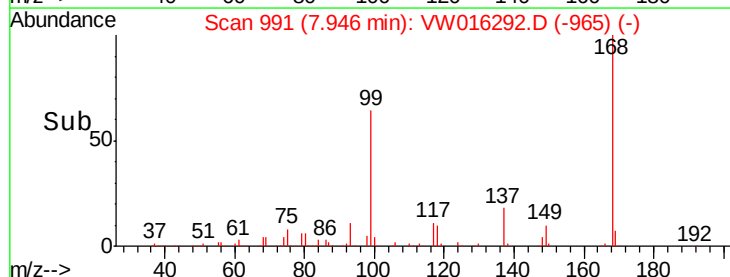
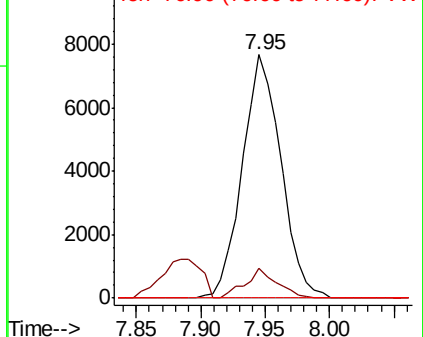
77 0.0 24.7 37.1#

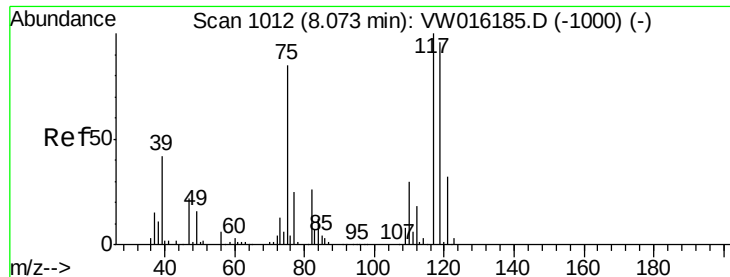


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 5.716 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW016292.D

Acq: 21 Aug 2020 04:59

Instrument :

MSVOA_W

ClientSampleId :

MP-081920-B9-0-2-GRAB

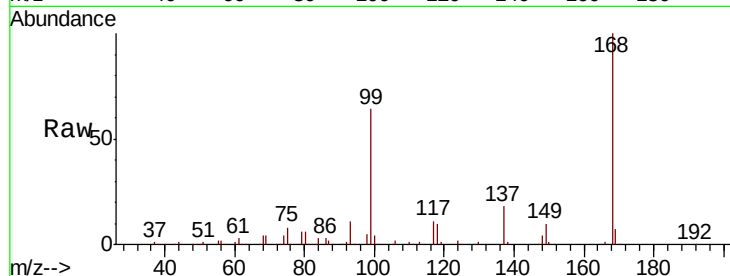
Tot Ion:117 Resp: 22247

Ion Ratio Lower Upper

117 100

119 6.0 76.6 115.0#

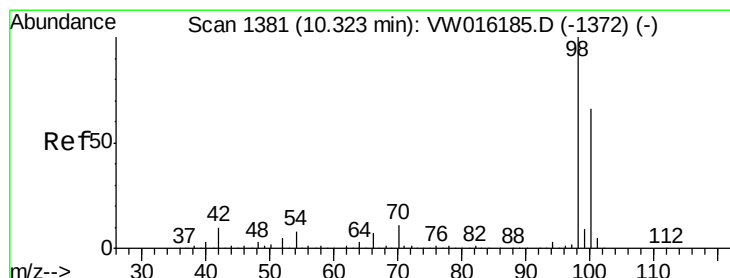
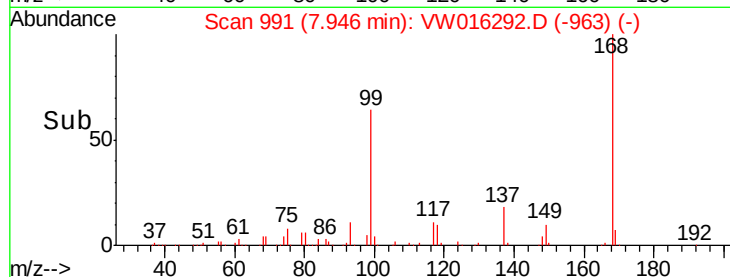
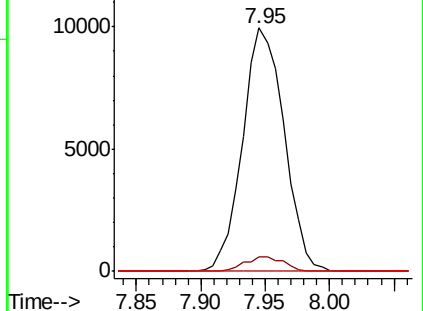
121 0.0 25.4 38.0#



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: 51.714 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW016292.D

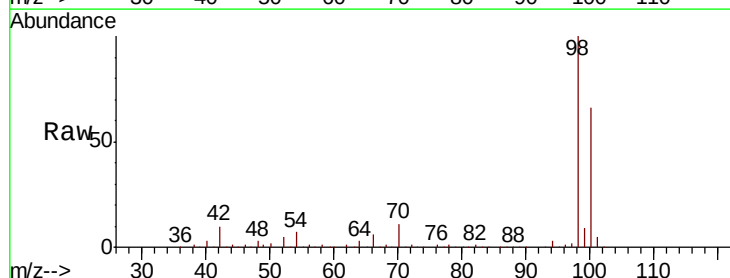
Acq: 21 Aug 2020 04:59

Tgt Ion: 98 Resp: 488995

Ion Ratio Lower Upper

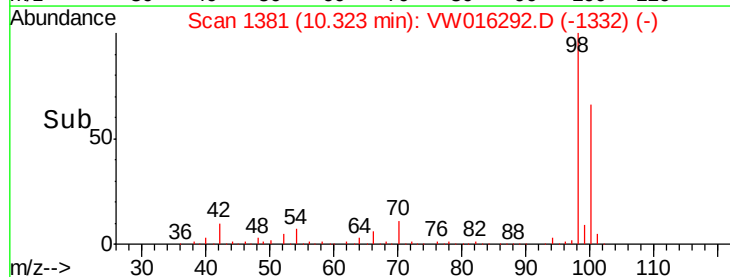
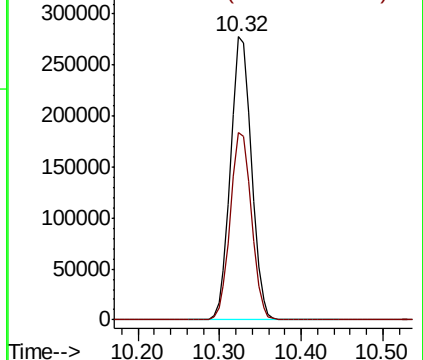
98 100

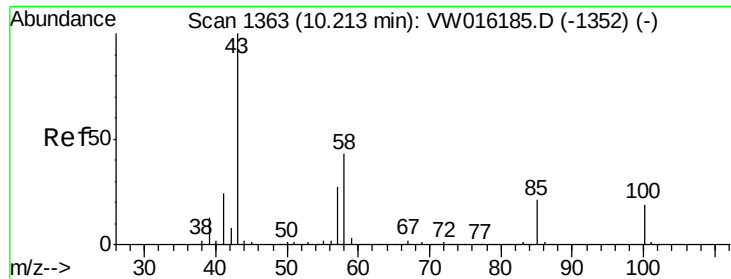
100 66.9 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

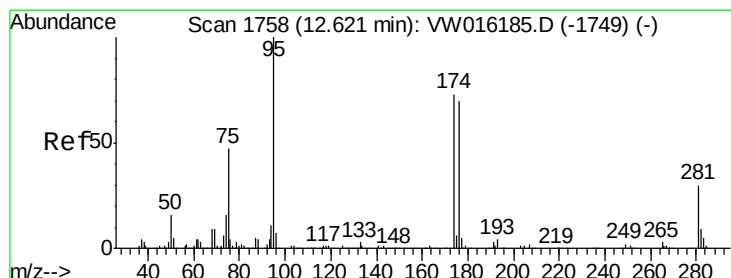
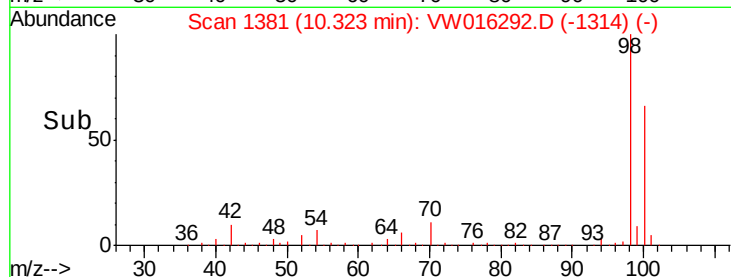
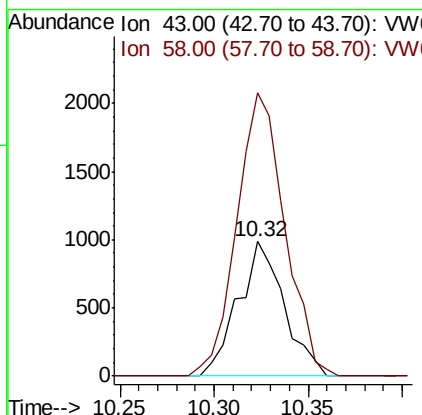
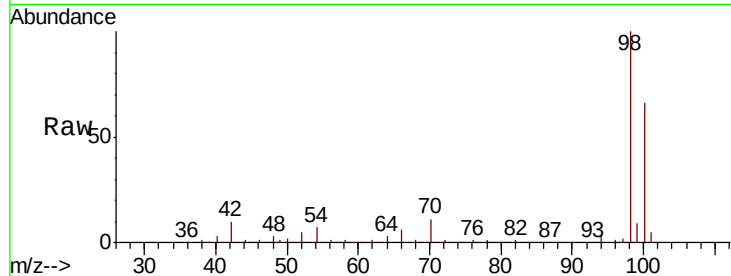




#51
4-Methyl-2-Pentanone
Concen: 1.305 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.11 min
Lab File: VW016292.D
Acq: 21 Aug 2020 04:59

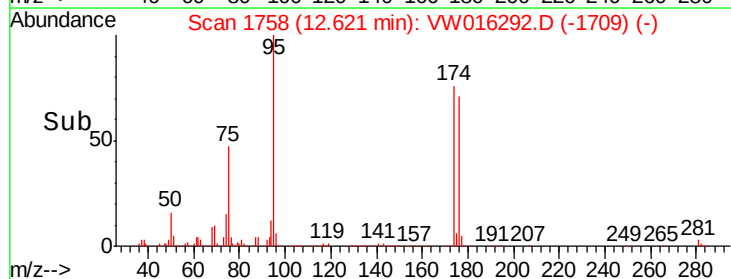
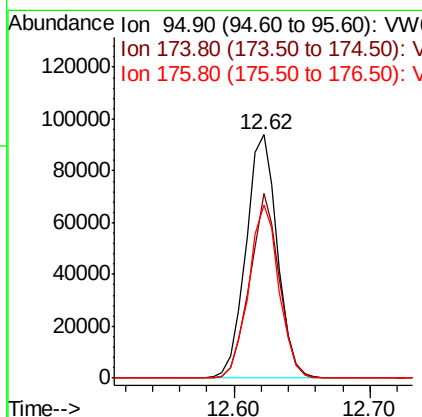
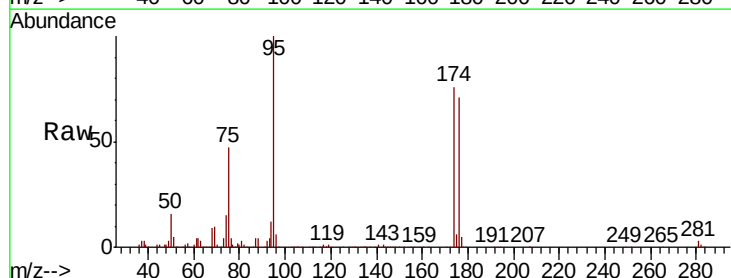
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MP-081920-B9-0-2-GRAB

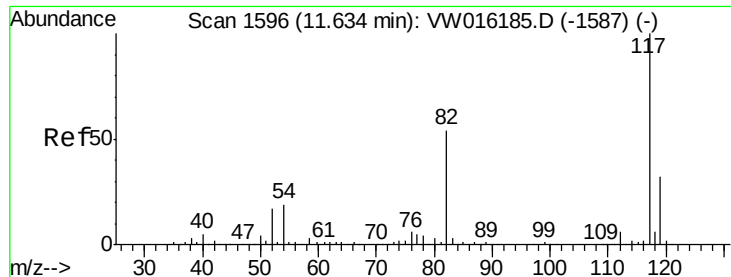
Tot Ion: 43 Resp: 1660
Ion Ratio Lower Upper
43 100
58 220.9 33.7 50.5#



#62
4-Bromofluorobenzene
Concen: 44.691 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW016292.D
Acq: 21 Aug 2020 04:59

Tgt Ion: 95 Resp: 151057
Ion Ratio Lower Upper
95 100
174 71.6 0.0 145.6
176 69.6 0.0 137.8

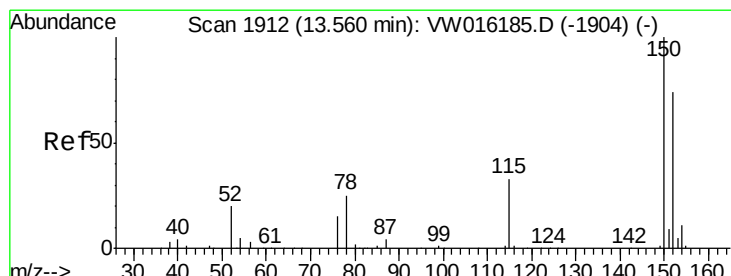
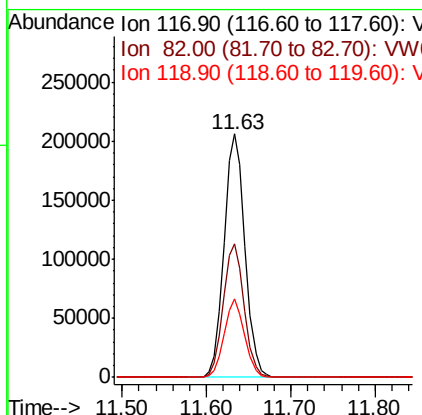
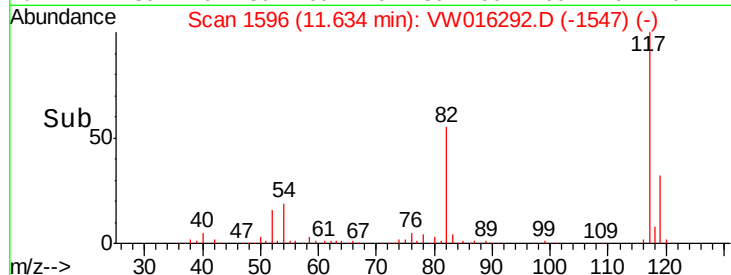
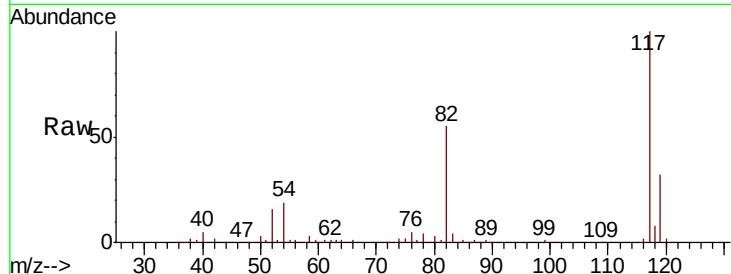




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW016292.D
Acq: 21 Aug 2020 04:59

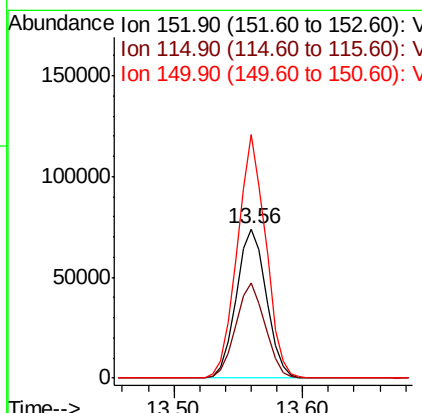
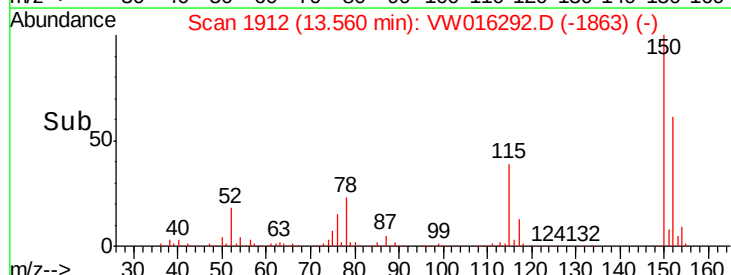
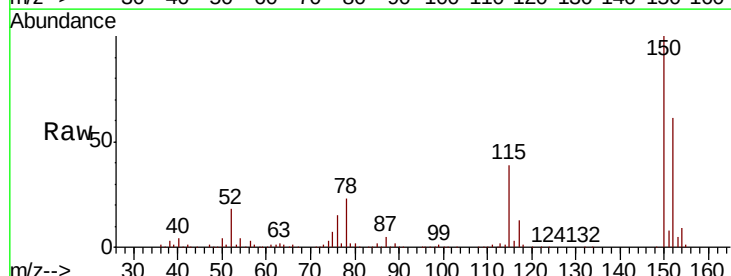
Instrument :
MSVOA_W
ClientSampleId :
MP-081920-B9-0-2-GRAB

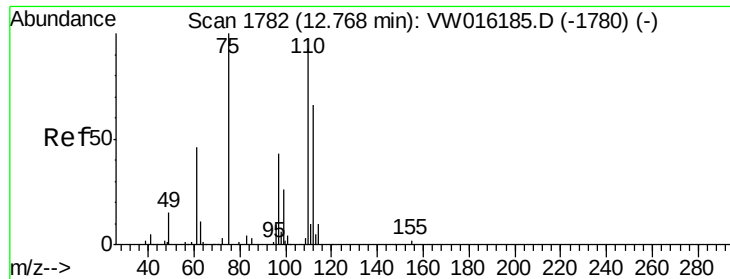
Tot Ion:117 Resp: 350200
Ion Ratio Lower Upper
117 100
82 54.9 43.6 65.4
119 32.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW016292.D
Acq: 21 Aug 2020 04:59

Tgt Ion:152 Resp: 119138
Ion Ratio Lower Upper
152 100
115 62.6 30.9 92.5
150 154.8 0.0 337.8





#76

1,2,3-Trichloropropane

Concen: 64.616 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW016292.D

Acq: 21 Aug 2020 04:59

Instrument :

MSVOA_W

ClientSampleId :

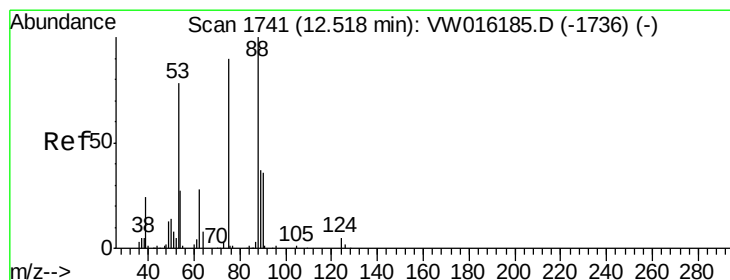
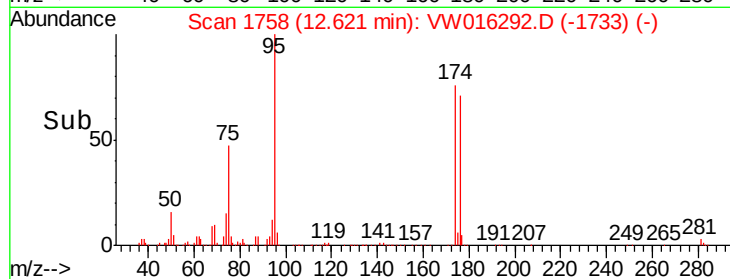
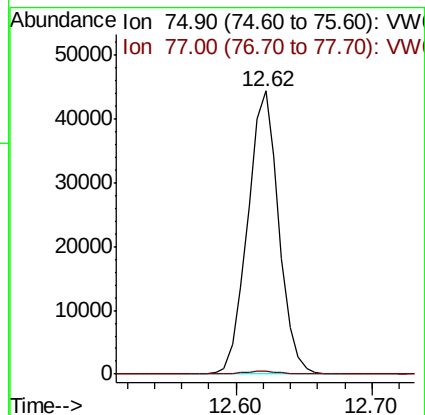
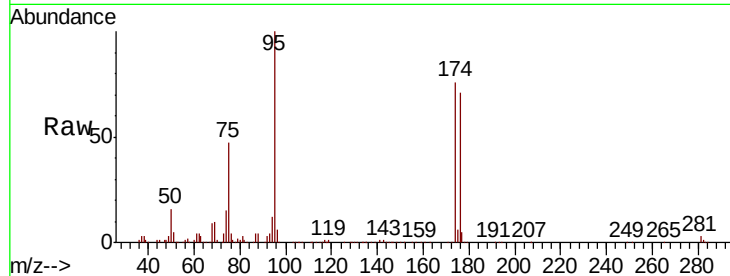
MP-081920-B9-0-2-GRAB

Tot Ion: 75 Resp: 70799

Ion Ratio Lower Upper

75 100

77 1.2 173.6 520.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 154.991 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW016292.D

Acq: 21 Aug 2020 04:59

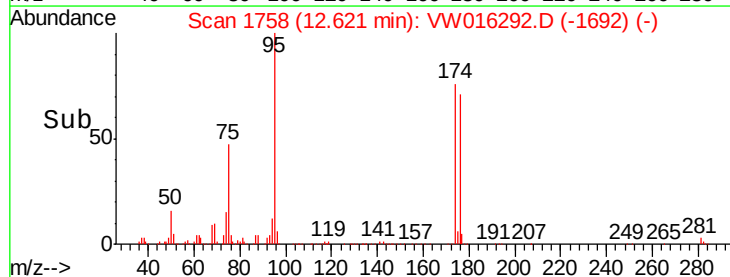
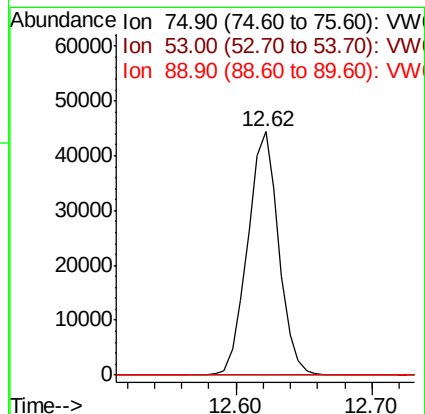
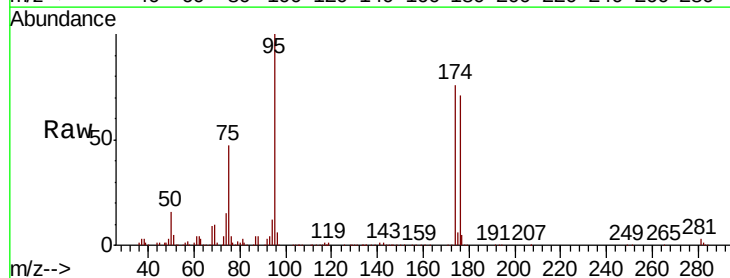
Tgt Ion: 75 Resp: 70799

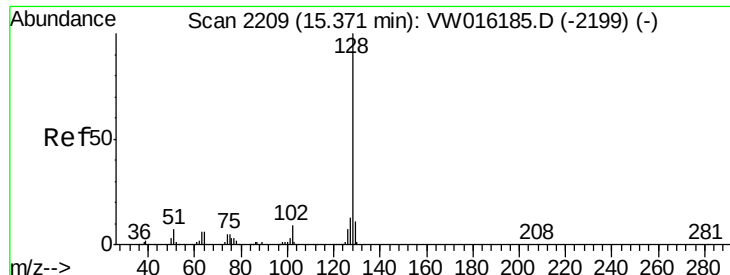
Ion Ratio Lower Upper

75 100

53 0.1 74.6 111.8#

89 0.0 37.2 55.8#

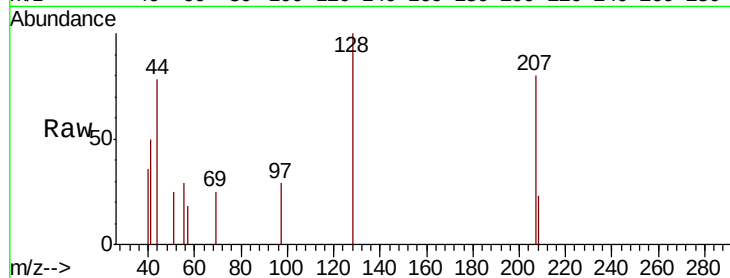




#95
Naphthalene
Concen: 3.674 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW016292.D
Acq: 21 Aug 2020 04:59

Instrument :
MSVOA_W
ClientSampleId :
MP-081920-B9-0-2-GRAB

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.4#
129	0.0	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

