

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082220\
 Data File : VW016304.D
 Acq On : 21 Aug 2020 14:29
 Operator : SY/VA
 Sample : L3746-03
 Misc : 7.82G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

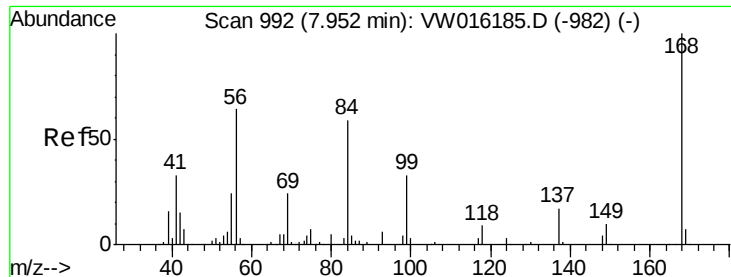
Quant Time: Aug 22 06:02:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081420S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 17 08:01:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	181633	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	323058	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	297926	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	136563	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	104143	58.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.60%	
35) Dibromofluoromethane	7.88	113	102019	51.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.36%	
50) Toluene-d8	10.33	98	393252	50.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.94%	
62) 4-Bromofluorobenzene	12.62	95	141395	51.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.14	43	904	2.664	ug/l #	83
20) Methylene Chloride	4.92	84	24950	7.651	ug/l	86
31) Cyclohexane	7.95	56	3537	1.094	ug/l #	4
36) 1,1-Dichloropropene	7.95	75	13799	4.336	ug/l #	49
38) Carbon Tetrachloride	7.95	117	18152	5.715	ug/l #	16
51) 4-Methyl-2-Pentanone	10.32	43	1434	1.381	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	67004	53.350	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	67004	127.967	ug/l #	12
95) Naphthalene	15.37	128	766	3.719	ug/l #	77

(#) = 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. -0.00 min

Lab File: VW016304.D

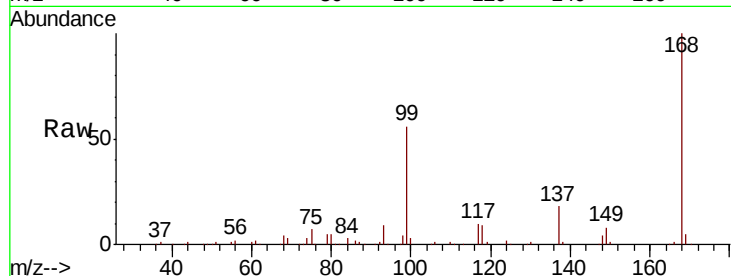
Acq: 21 Aug 2020 14:29

Tot Ion:168 Resp: 181633

Ion Ratio Lower Upper

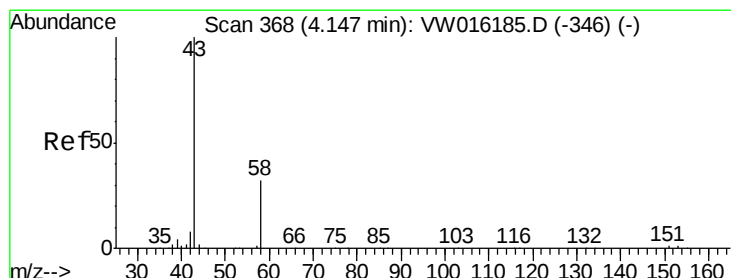
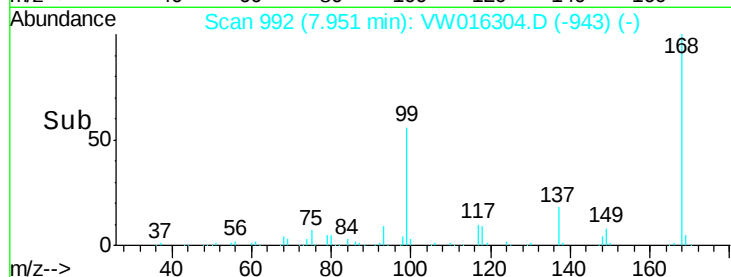
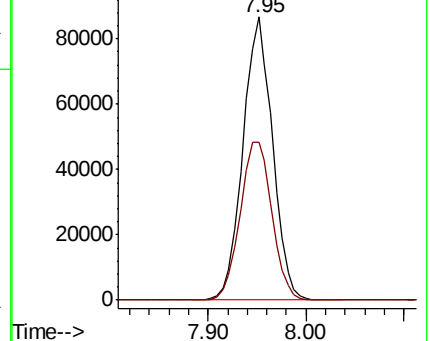
168 100

99 56.0 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 2.664 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW016304.D

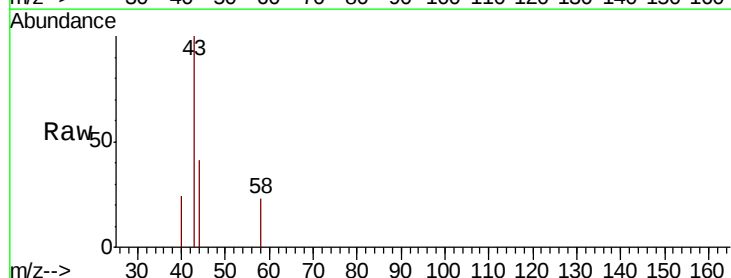
Acq: 21 Aug 2020 14:29

Tgt Ion: 43 Resp: 904

Ion Ratio Lower Upper

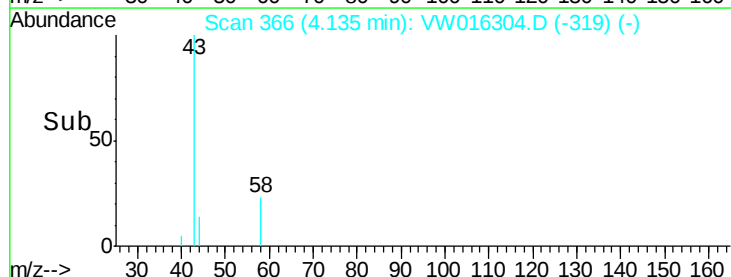
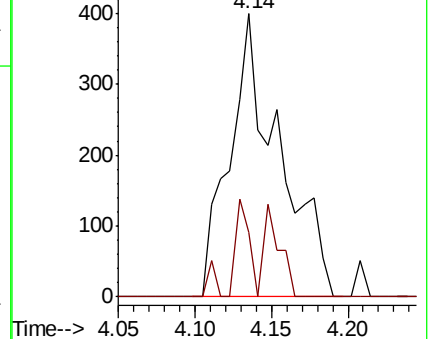
43 100

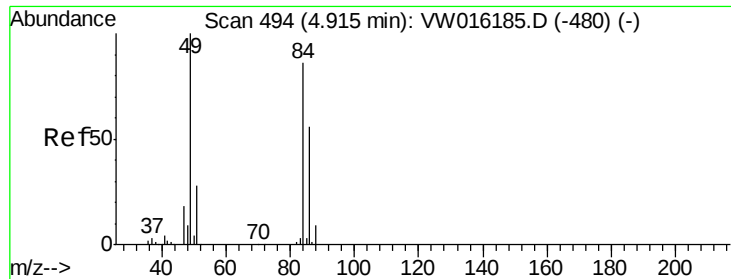
58 22.8 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

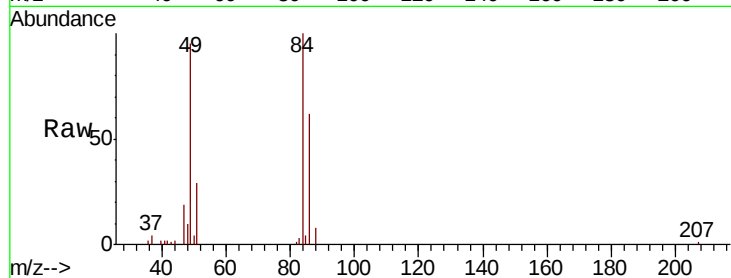




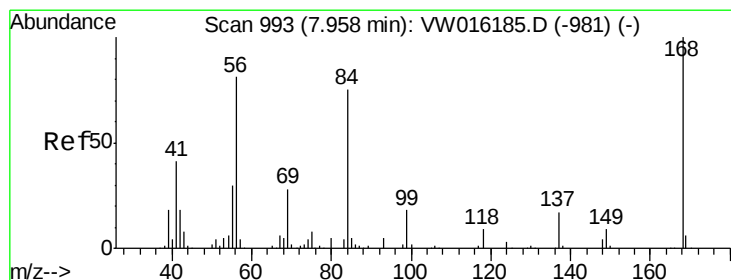
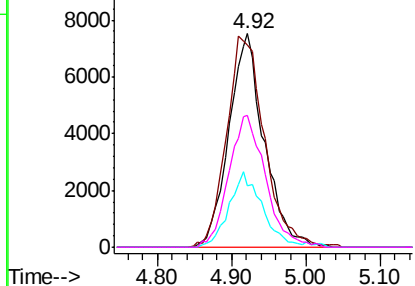
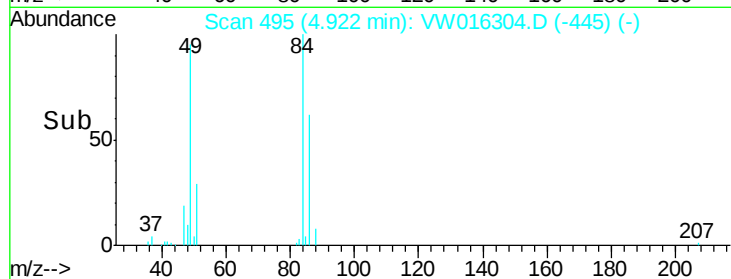
#20
Methvlene Chloride
Concen: 7.651 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW016304.D
Acq: 21 Aug 2020 14:29

Tot Ion: 84 Resp: 24950

Ion	Ratio	Lower	Upper
84	100		
49	94.8	93.4	140.2
51	28.6	26.6	40.0
86	61.8	52.2	78.2



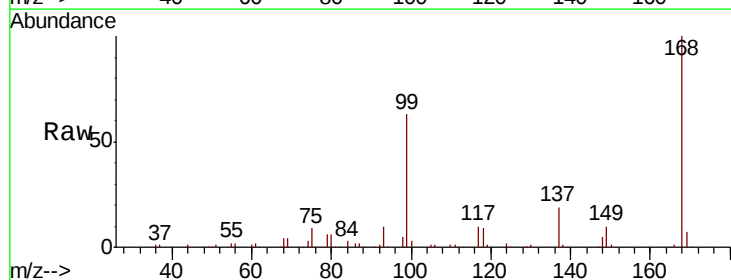
Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW



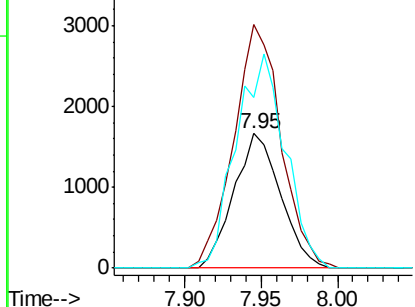
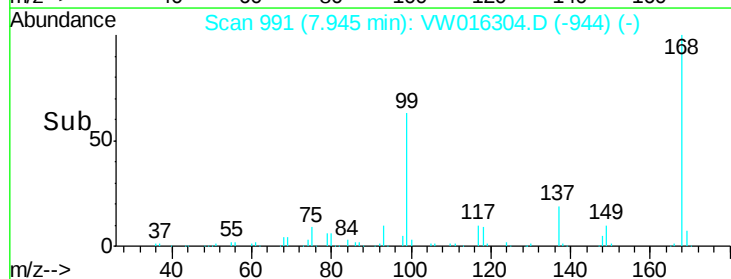
#31
Cyclohexane
Concen: 1.094 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW016304.D
Acq: 21 Aug 2020 14:29

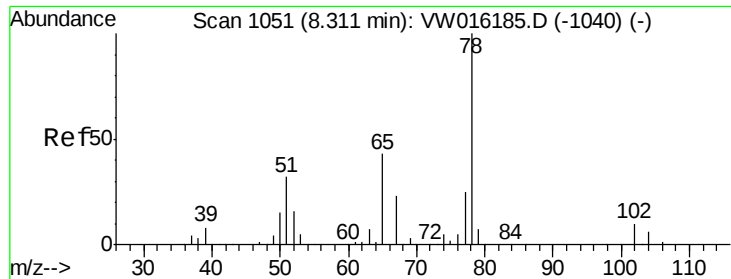
Tgt Ion: 56 Resp: 3537

Ion	Ratio	Lower	Upper
56	100		
69	181.1	27.3	40.9#
84	127.2	73.5	110.3#



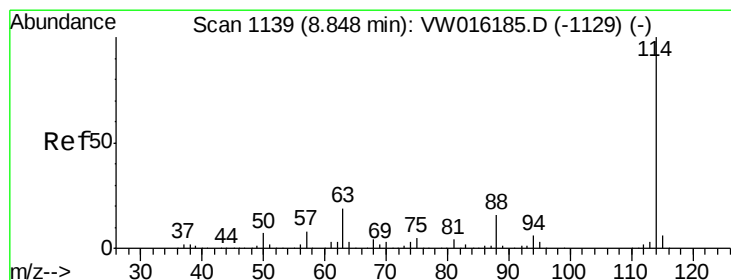
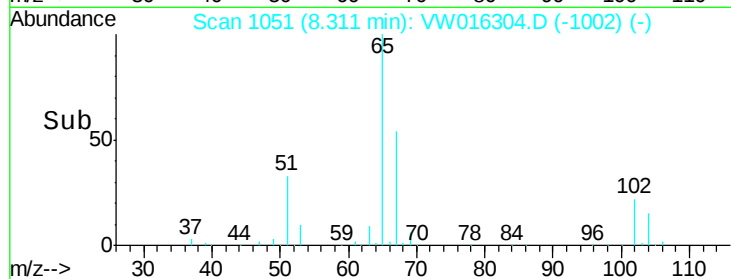
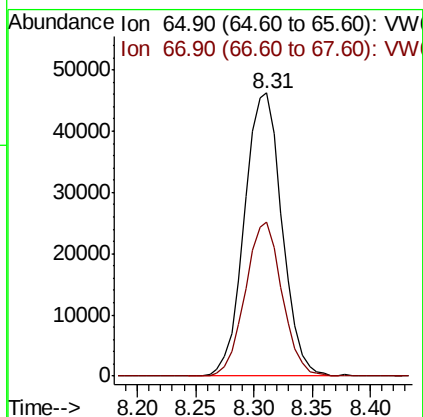
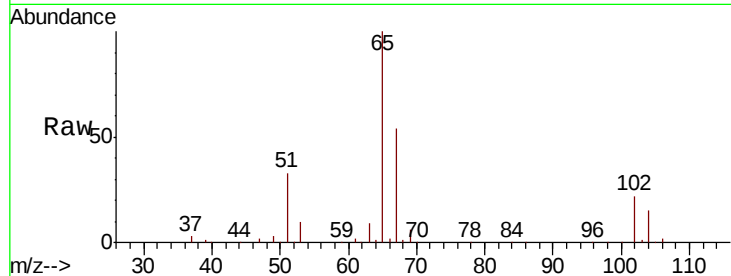
Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW





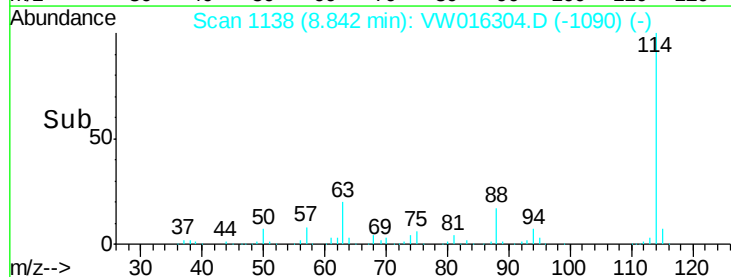
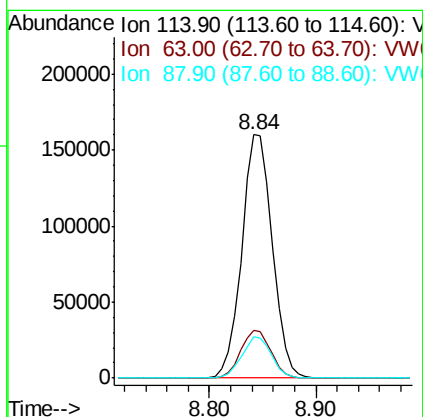
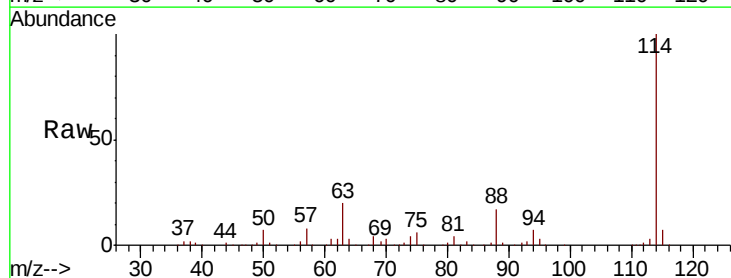
#33
 1,2-Dichloroethane-d4
 Concen: 58.795 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW016304.D
 Acq: 21 Aug 2020 14:29

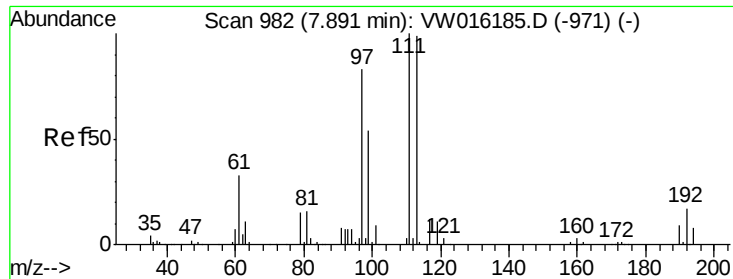
Tot Ion: 65 Resp: 104143
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW016304.D
 Acq: 21 Aug 2020 14:29

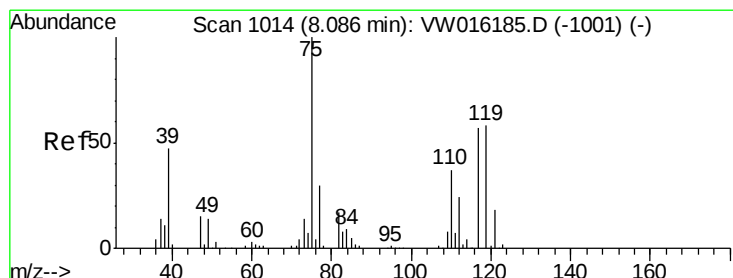
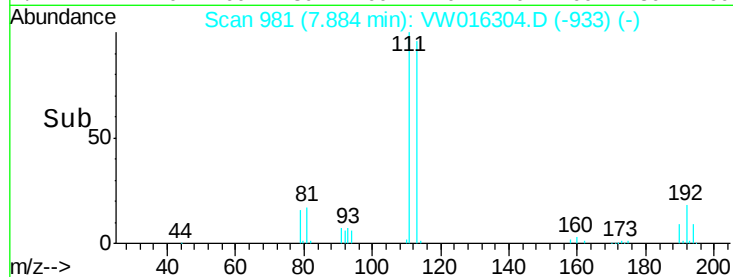
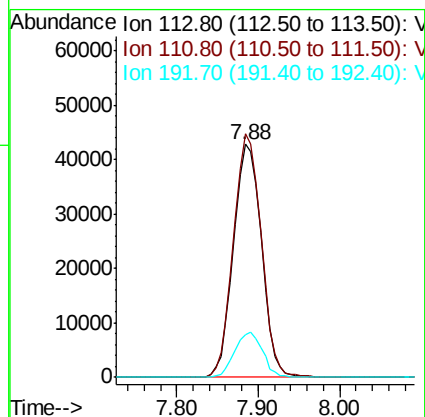
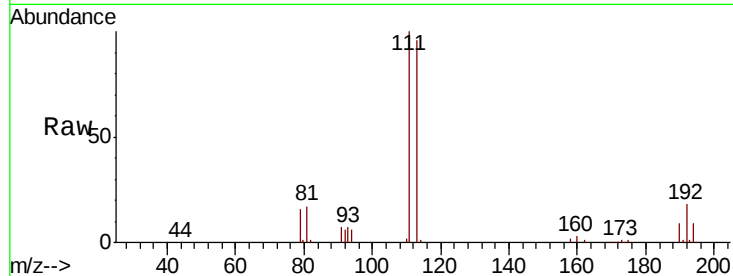
Tgt Ion: 114 Resp: 323058
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 38.4
 88 16.8 0.0 32.8





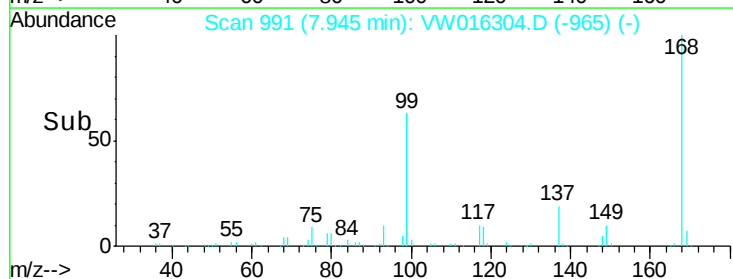
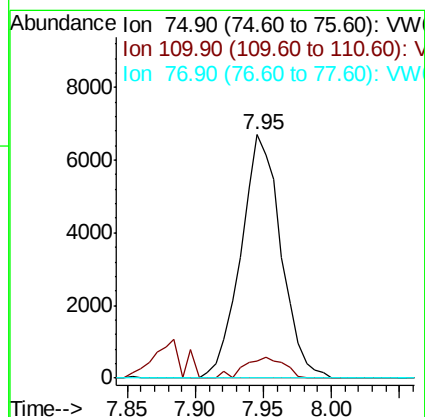
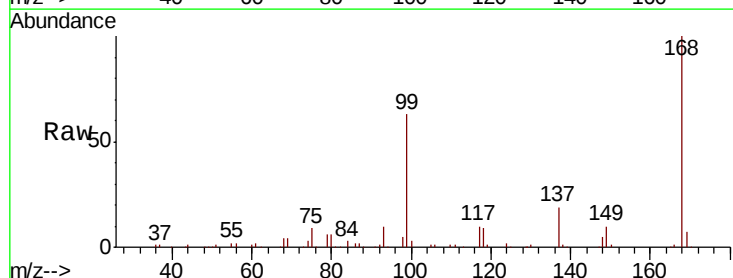
#35
Dibromofluoromethane
Concen: 51.181 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.01 min
Lab File: VW016304.D
Acq: 21 Aug 2020 14:29

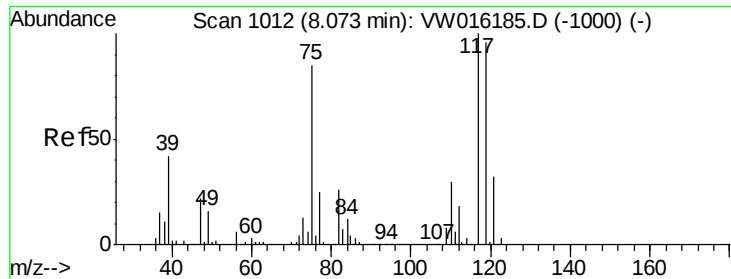
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	83.5	125.3
192	19.1	14.3	21.5



#36
1,1-Dichloropropene
Concen: 4.336 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.14 min
Lab File: VW016304.D
Acq: 21 Aug 2020 14:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.1	54.3#
77	0.0	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 5.715 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW016304.D

Acq: 21 Aug 2020 14:29

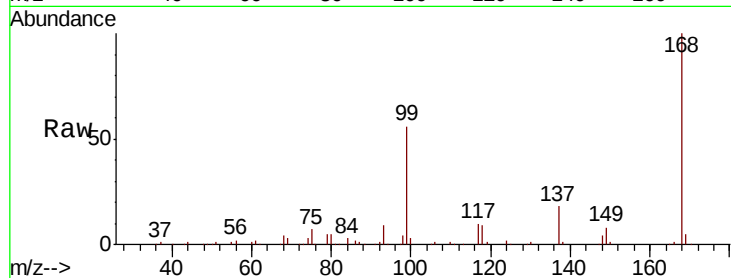
Tot Ion: 117 Resp: 18152

Ion Ratio Lower Upper

117 100

119 5.1 76.6 115.0#

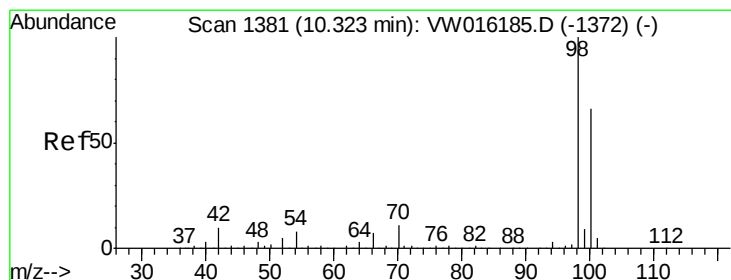
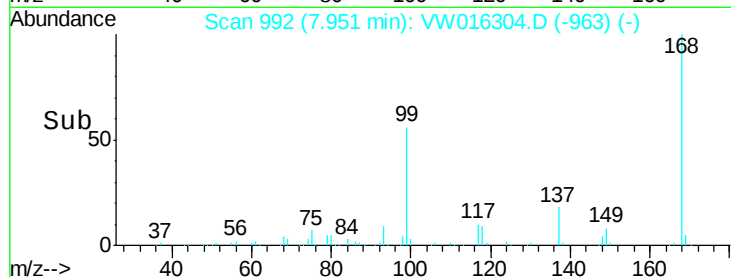
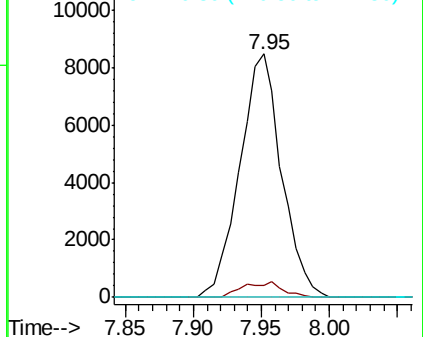
121 0.0 25.4 38.0#



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: 50.968 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VW016304.D

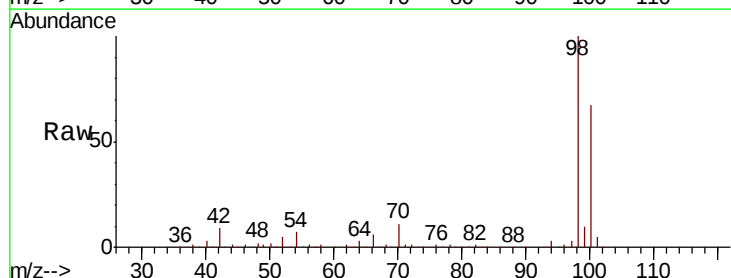
Acq: 21 Aug 2020 14:29

Tgt Ion: 98 Resp: 393252

Ion Ratio Lower Upper

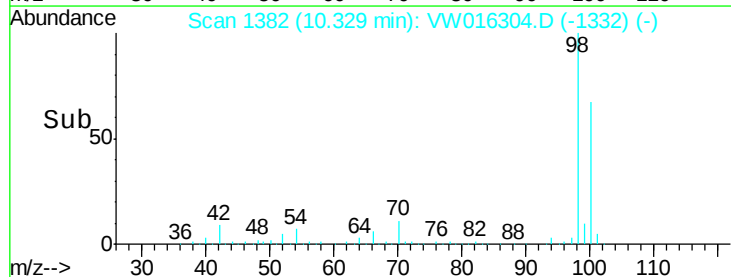
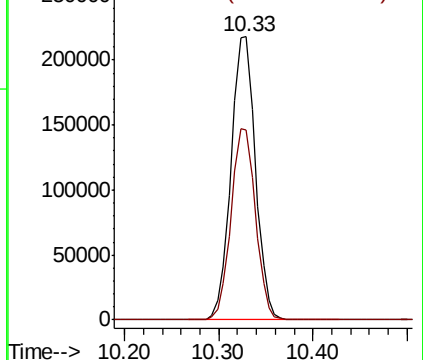
98 100

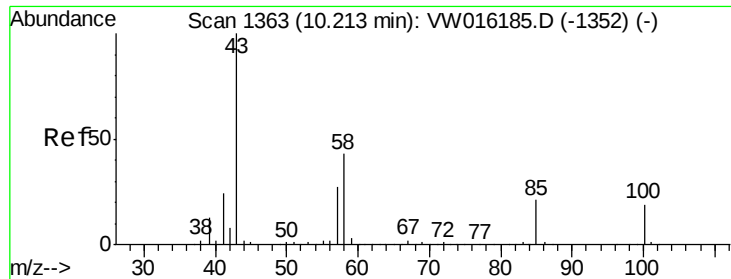
100 67.7 53.5 80.3



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: 1.381 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.11 min

Lab File: VW016304.D

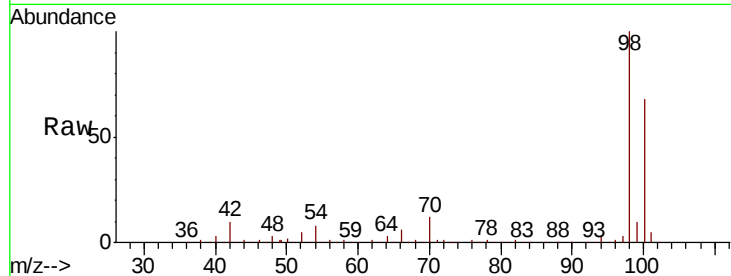
Acq: 21 Aug 2020 14:29

Tot Ion: 43 Resp: 1434

Ion Ratio Lower Upper

43 100

58 203.8 33.7 50.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

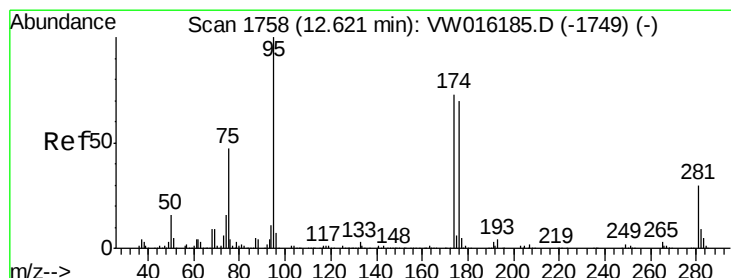
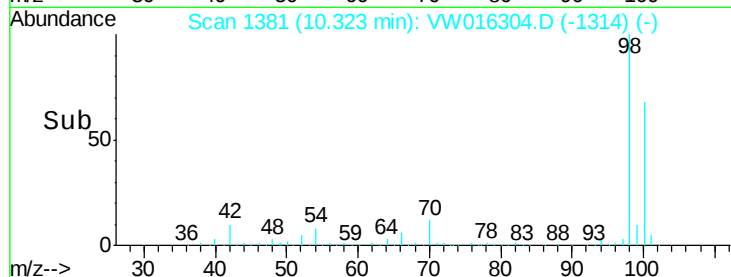
1500

1000

500

0

Time--> 10.25 10.30 10.35



#62

4-Bromofluorobenzene

Concen: 51.267 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW016304.D

Acq: 21 Aug 2020 14:29

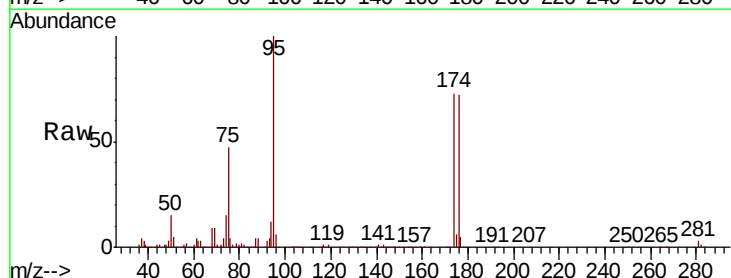
Tgt Ion: 95 Resp: 141395

Ion Ratio Lower Upper

95 100

174 75.8 0.0 145.6

176 71.7 0.0 137.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

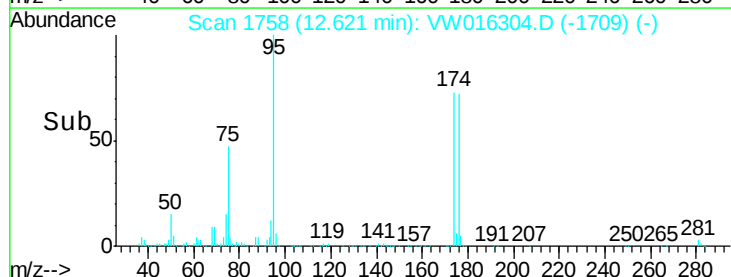
60000

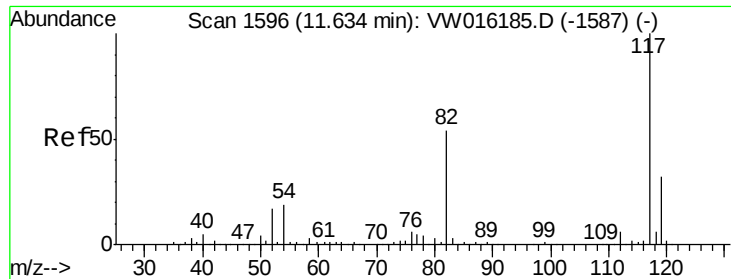
40000

20000

0

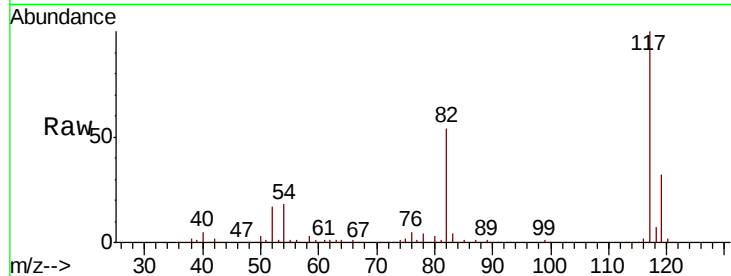
Time--> 12.50 12.60 12.70



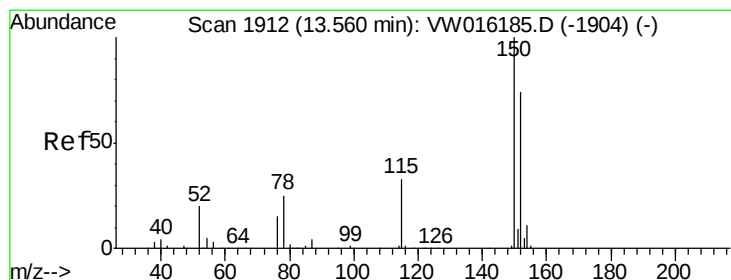
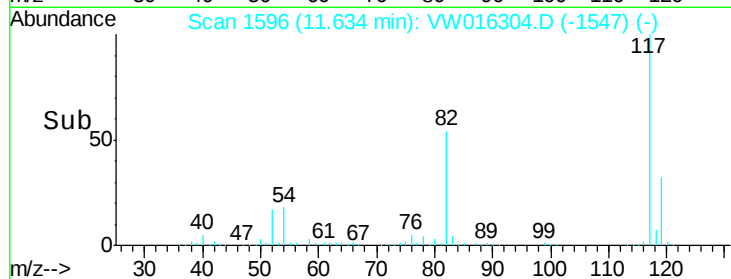
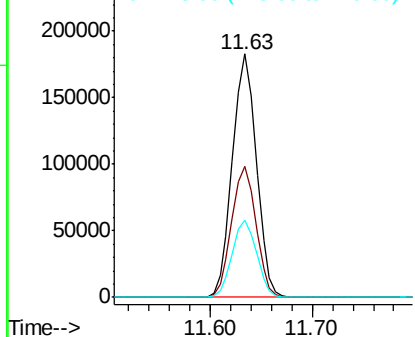


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW016304.D
Acq: 21 Aug 2020 14:29

Tot Ion:117 Resp: 297926
Ion Ratio Lower Upper
117 100
82 54.0 43.6 65.4
119 31.6 25.4 38.0

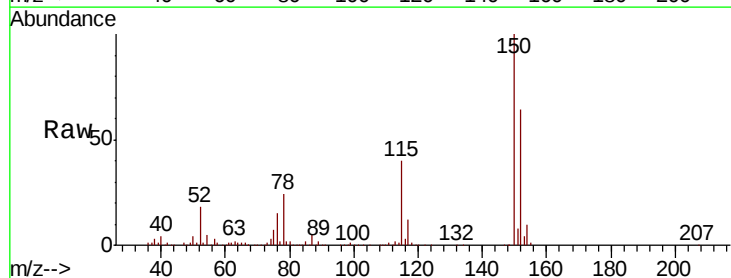


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

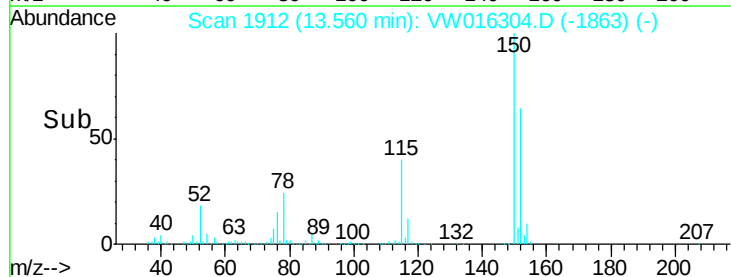
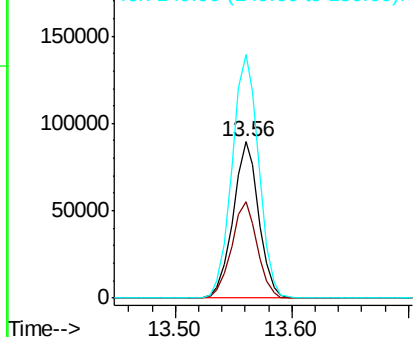


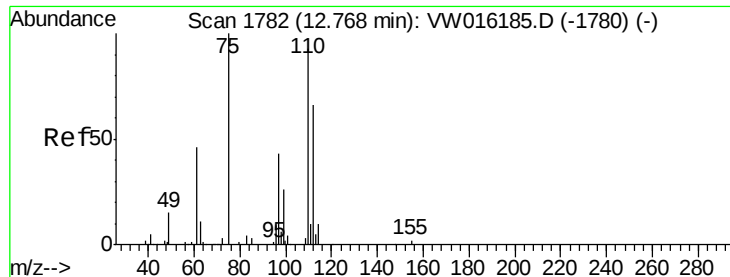
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW016304.D
Acq: 21 Aug 2020 14:29

Tgt Ion:152 Resp: 136563
Ion Ratio Lower Upper
152 100
115 62.4 30.9 92.5
150 162.8 0.0 337.8



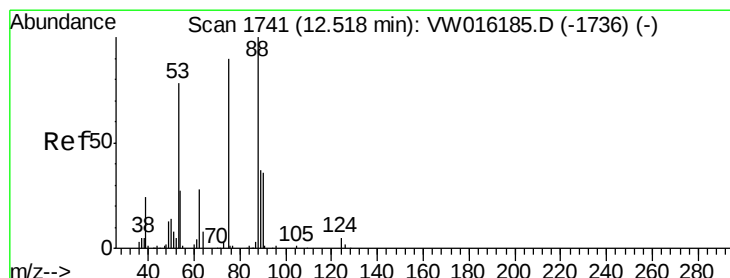
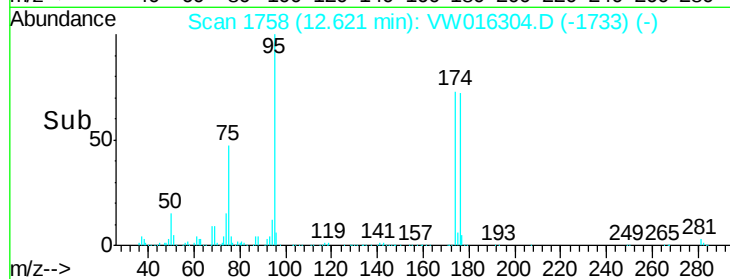
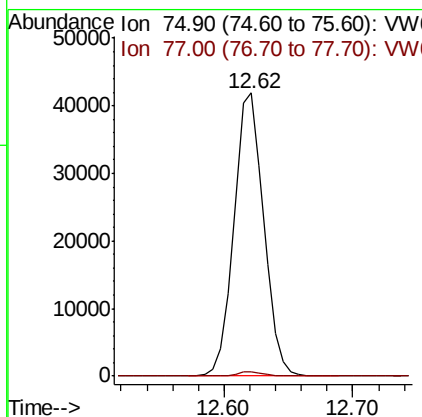
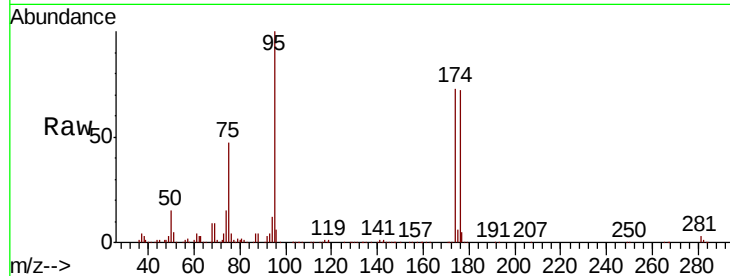
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





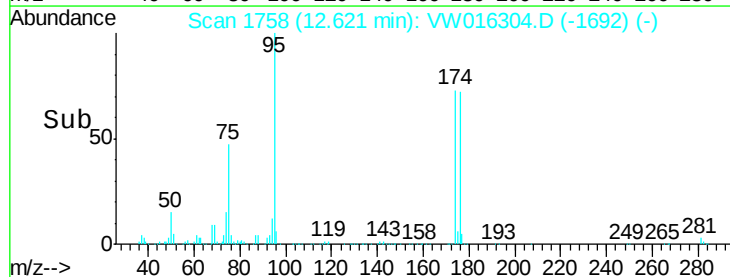
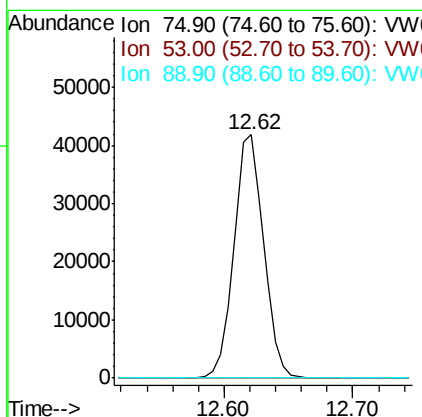
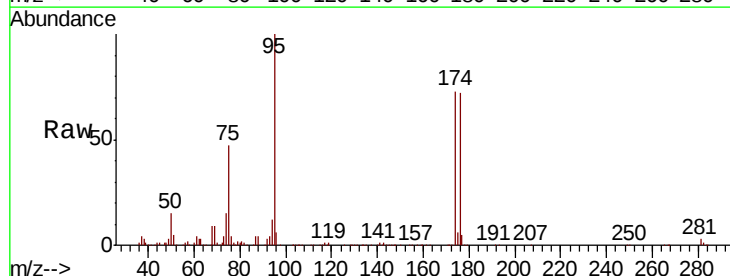
#76
 1,2,3-Trichloropropane
 Concen: 53.350 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW016304.D
 Acq: 21 Aug 2020 14:29

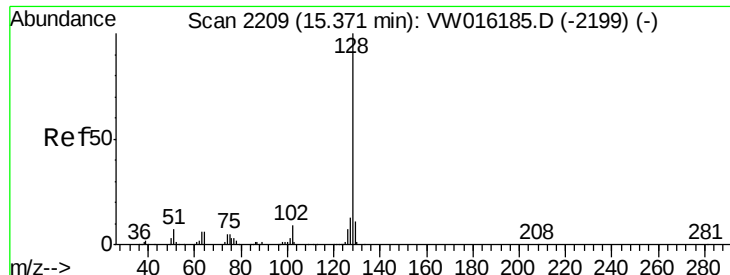
Tot Ion: 75 Resp: 67004
 Ion Ratio Lower Upper
 75 100
 77 1.3 173.6 520.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.967 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW016304.D
 Acq: 21 Aug 2020 14:29

Tgt Ion: 75 Resp: 67004
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.6 111.8#
 89 0.0 37.2 55.8#





#95

Naphthalene

Concen: 3.719 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW016304.D

Acq: 21 Aug 2020 14:29

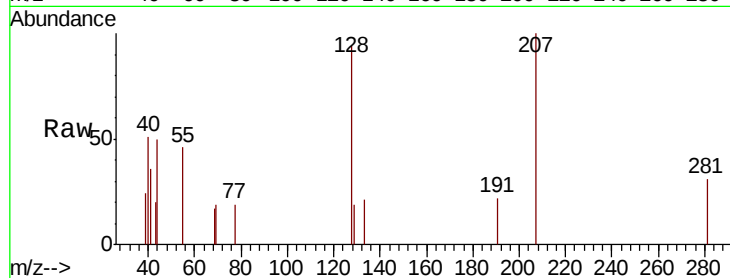
Tot Ion:128 Resp: 766

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 6.1 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

