

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082220\
 Data File : VW016312.D
 Acq On : 21 Aug 2020 17:53
 Operator : SY/VA
 Sample : L3734-07
 Misc : 6.87G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

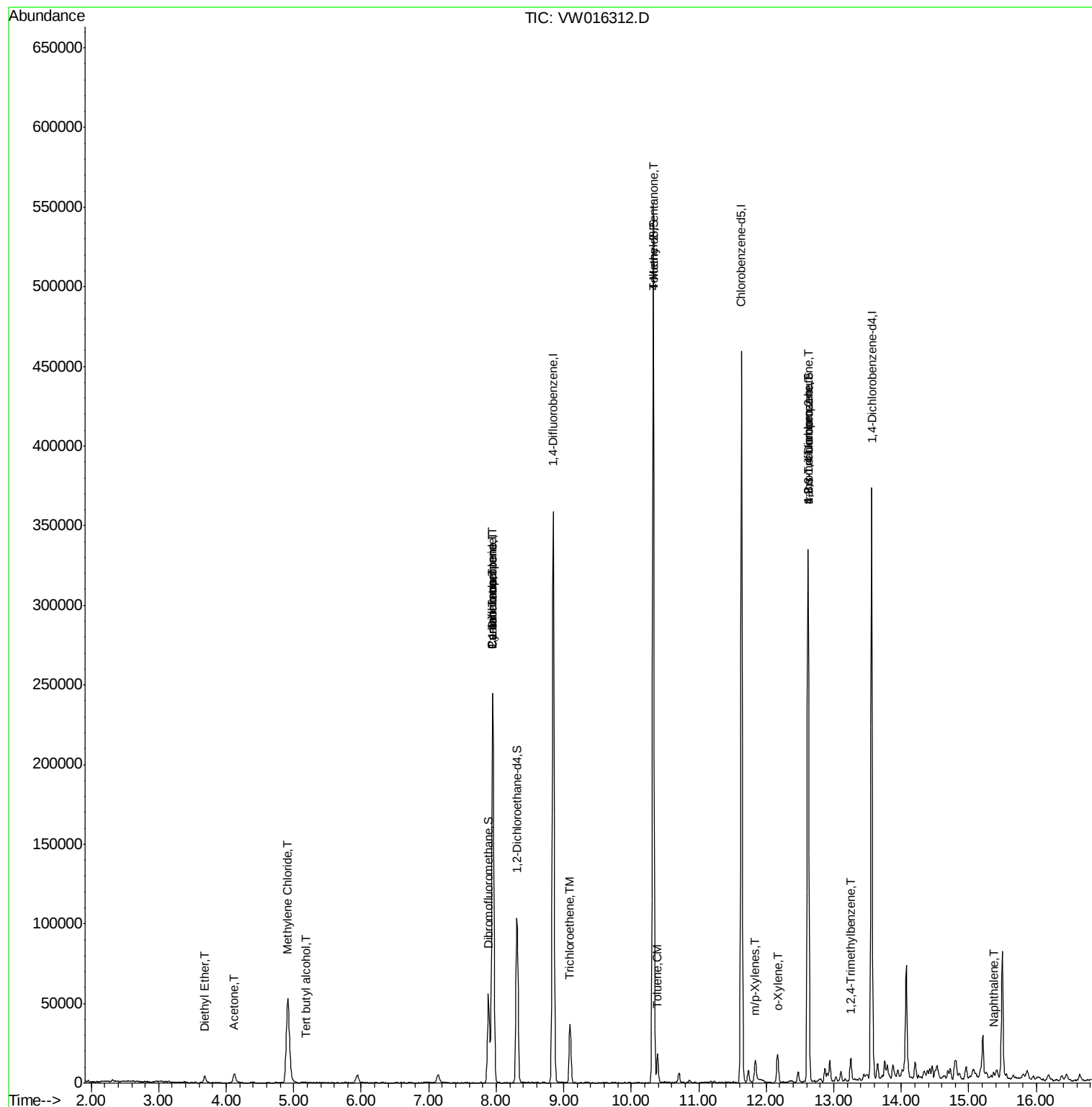
Quant Time: Aug 22 06:04:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081420S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 17 08:01:41 2020
 Response via : Initial Calibration

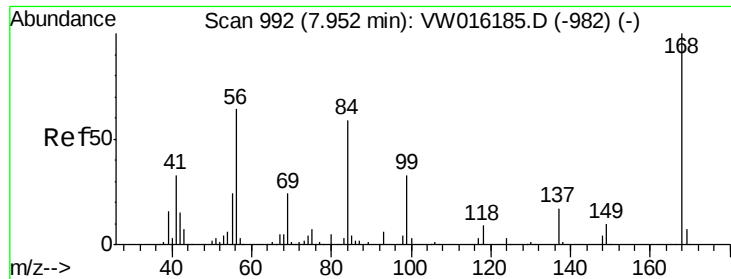
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	185288	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	322701	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	267973	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	102216	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	82936	45.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.80%	
35) Dibromofluoromethane	7.88	113	41641	20.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.82%	
50) Toluene-d8	10.32	98	374857	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	
62) 4-Bromofluorobenzene	12.62	95	117867	42.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.56%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.69	74	2474	2.593	ug/l	97
11) Tert butyl alcohol	5.18	59	326	3.390	ug/l #	70
16) Acetone	4.12	43	10446	30.178	ug/l #	83
20) Methylene Chloride	4.91	84	48154	19.367	ug/l	90
31) Cyclohexane	7.95	56	3712	1.126	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	14098	4.435	ug/l #	49
38) Carbon Tetrachloride	7.95	117	19223	6.059	ug/l #	16
44) Trichloroethene	9.09	130	13521	5.338	ug/l	99
51) 4-Methyl-2-Pentanone	10.33	43	1462	1.410	ug/l #	1
52) Toluene	10.38	92	8135	1.421	ug/l	98
68) m/p-Xylenes	11.83	106	4124	1.087	ug/l	95
69) o-Xylene	12.16	106	4738	1.402	ug/l	94
76) 1,2,3-Trichloropropane	12.62	75	55297	58.823	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	55297	141.096	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.25	105	8550	1.292	ug/l	99
95) Naphthalene	15.36	128	3616	4.470	ug/l #	96

(#) = 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: VW016312.D

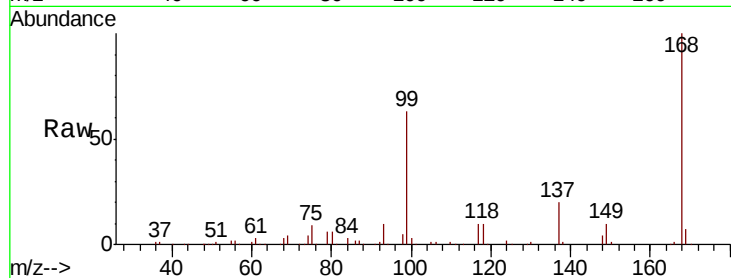
Acq: 21 Aug 2020 17:53

Tot Ion:168 Resp: 185288

Ion Ratio Lower Upper

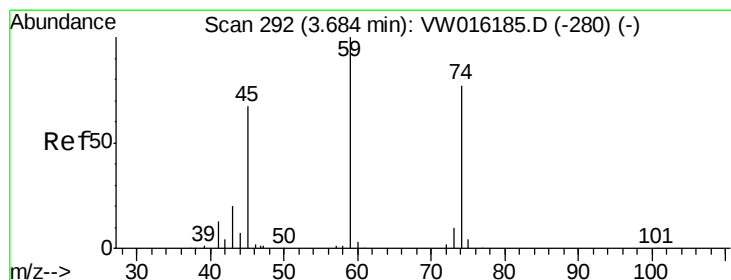
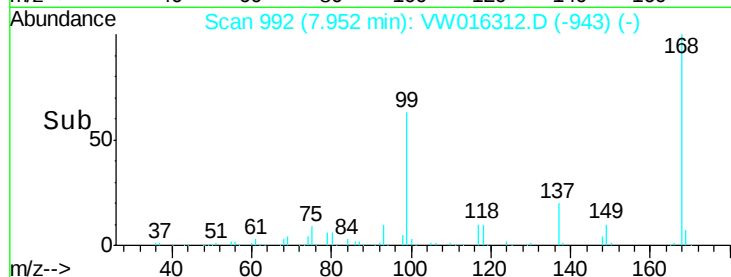
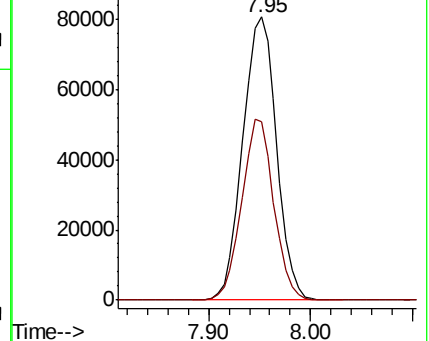
168 100

99 63.1 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: 2.593 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.01 min

Lab File: VW016312.D

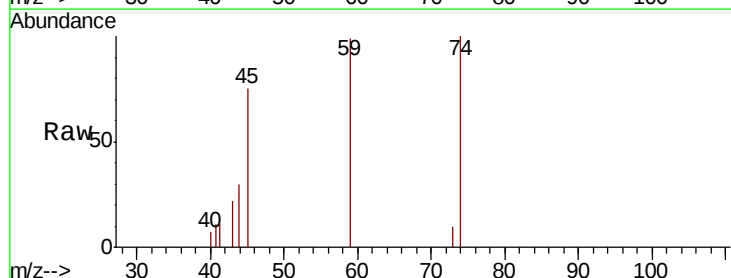
Acq: 21 Aug 2020 17:53

Tgt Ion: 74 Resp: 2474

Ion Ratio Lower Upper

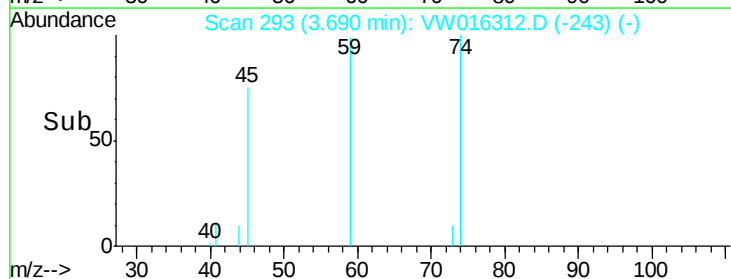
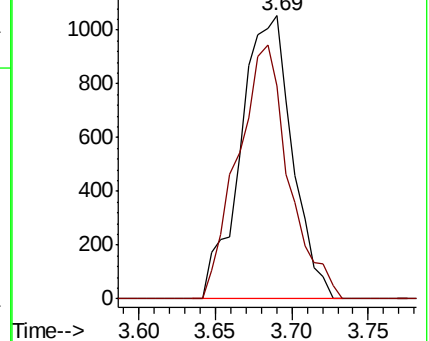
74 100

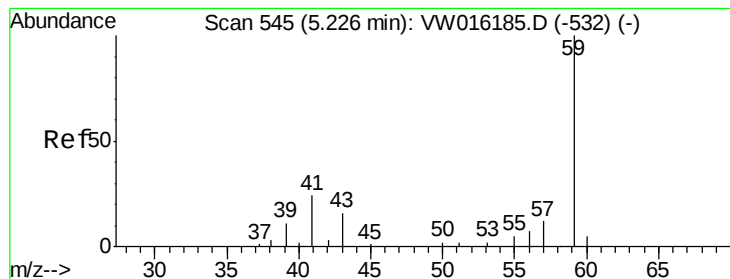
45 88.7 45.9 137.7



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

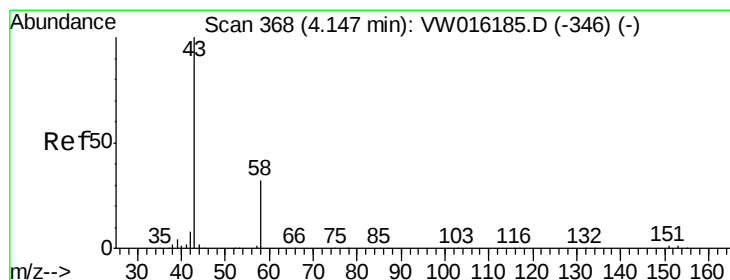
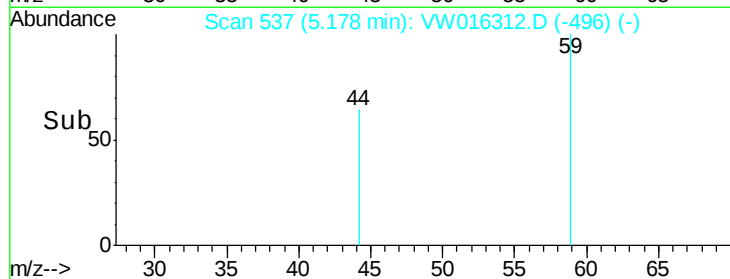
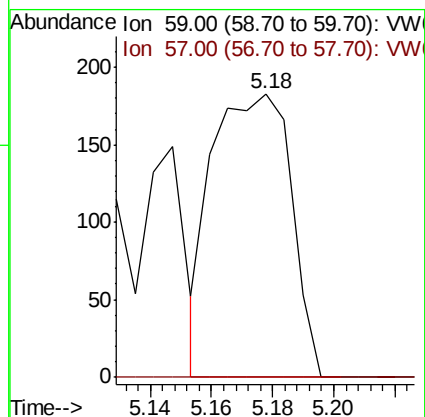
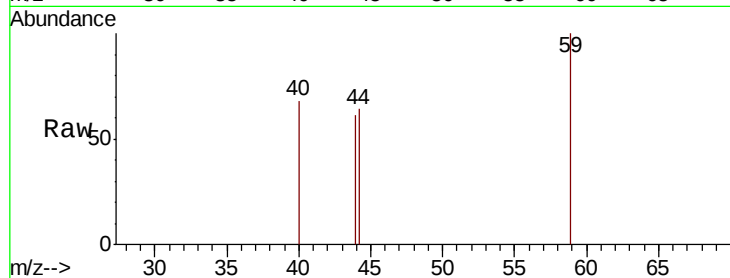




#11

Tert butyl alcohol
 Concen: 3.390 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. -0.05 min
 Lab File: VW016312.D
 Acq: 21 Aug 2020 17:53

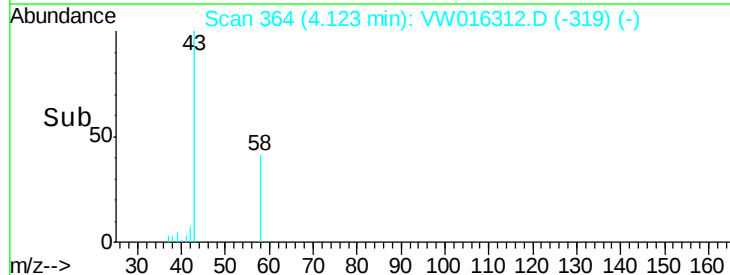
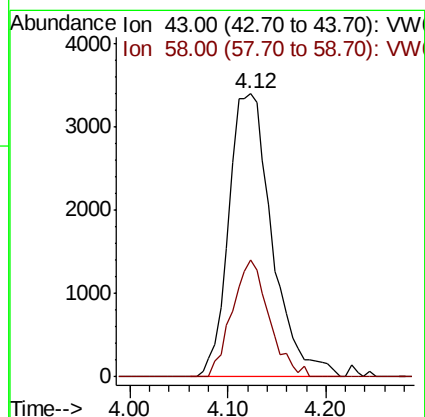
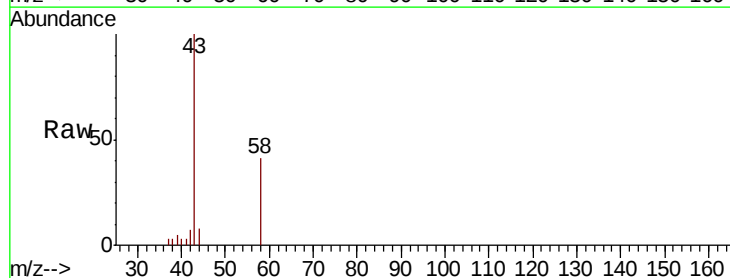
Tot Ion: 59 Resp: 326
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.6#

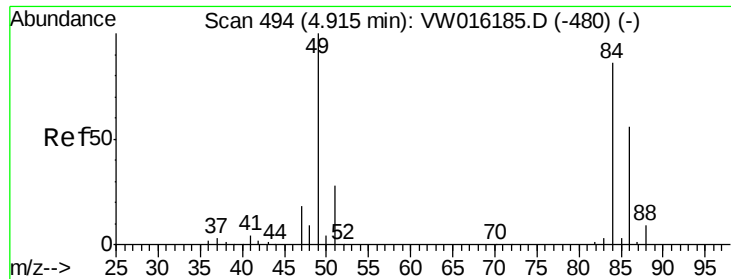


#16

Acetone
 Concen: 30.178 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. -0.02 min
 Lab File: VW016312.D
 Acq: 21 Aug 2020 17:53

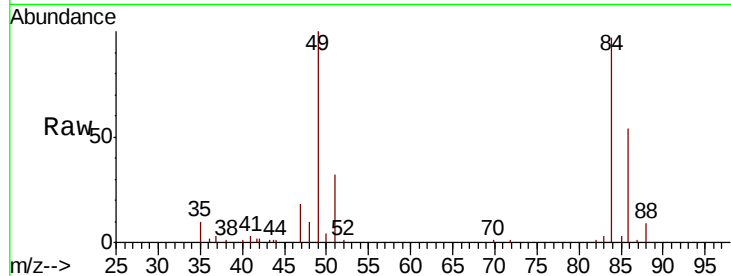
Tgt Ion: 43 Resp: 10446
 Ion Ratio Lower Upper
 43 100
 58 41.5 25.8 38.6#



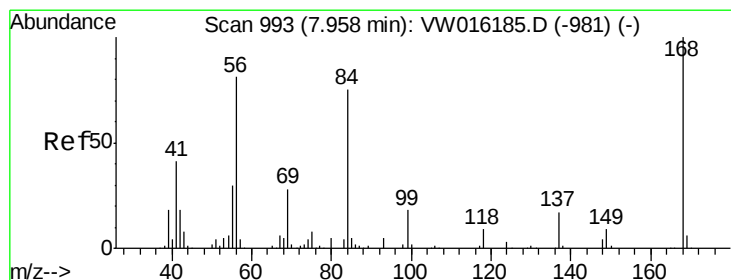
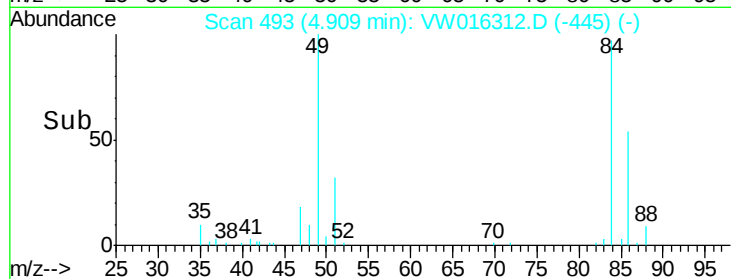
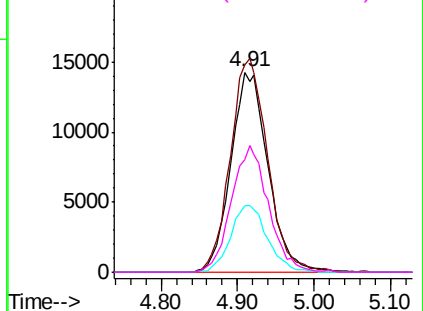


#20
Methvlene Chloride
Concen: 19.367 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW016312.D
Acq: 21 Aug 2020 17:53

Tot Ion:	84	Resp:	48154
Ion	Ratio	Lower	Upper
84	100		
49	103.3	93.4	140.2
51	33.6	26.6	40.0
86	56.0	52.2	78.2

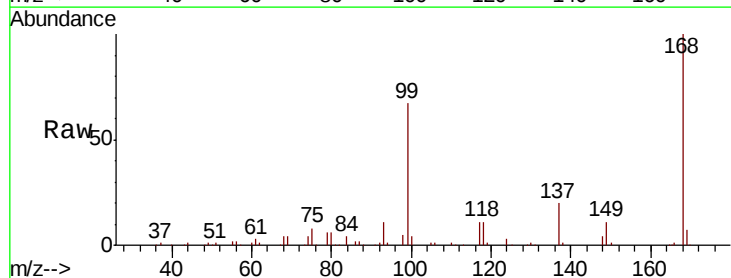


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

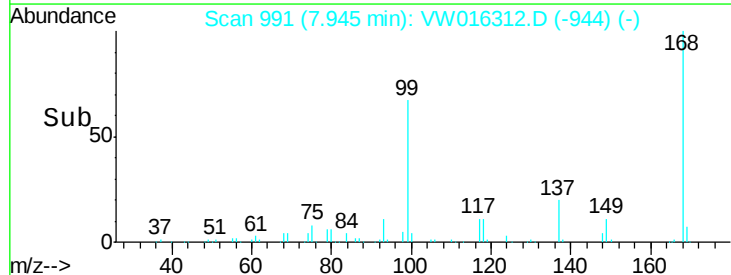
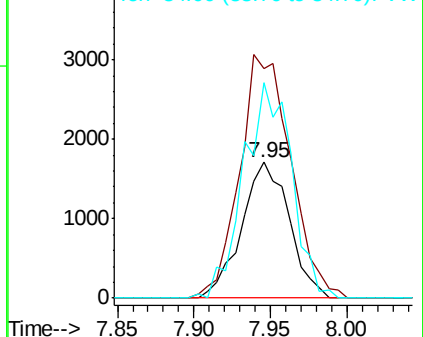


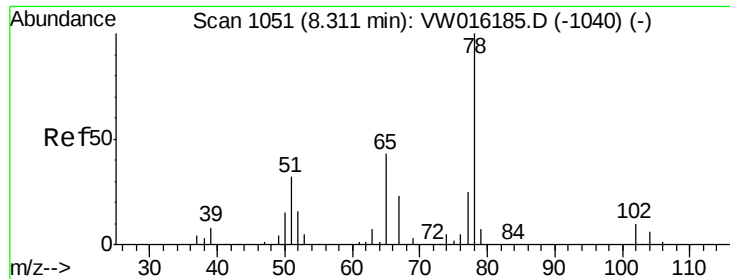
#31
Cyclohexane
Concen: 1.126 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW016312.D
Acq: 21 Aug 2020 17:53

Tgt Ion:	56	Resp:	3712
Ion	Ratio	Lower	Upper
56	100		
69	169.0	27.3	40.9#
84	158.8	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: 45.899 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW016312.D

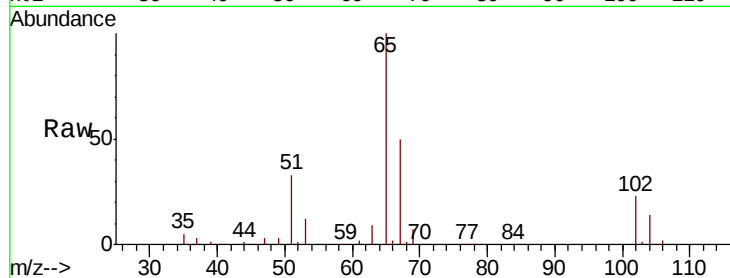
Acq: 21 Aug 2020 17:53

Tot Ion: 65 Resp: 82936

Ion Ratio Lower Upper

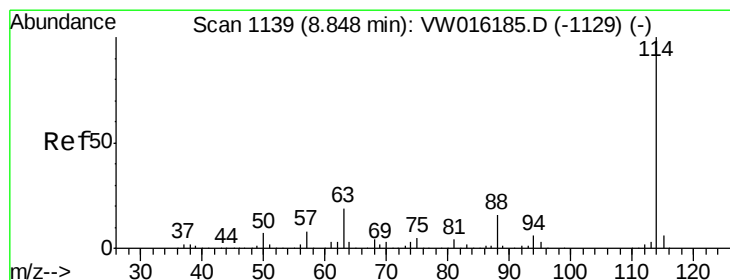
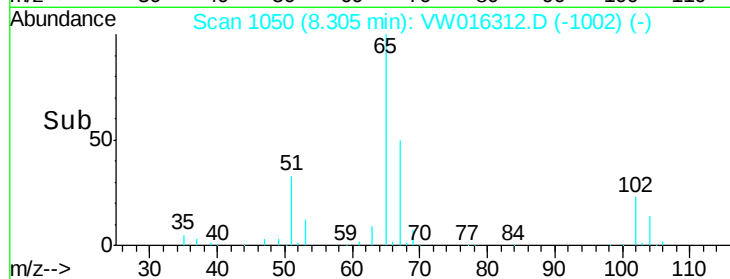
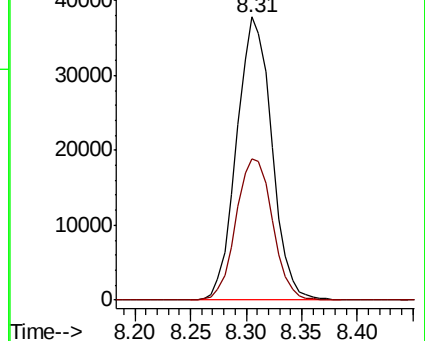
65 100

67 51.9 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: VW016312.D

Acq: 21 Aug 2020 17:53

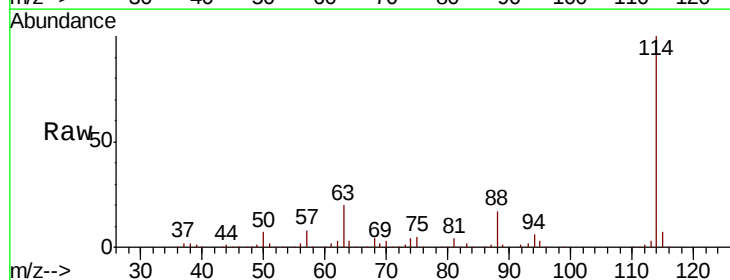
Tgt Ion: 114 Resp: 322701

Ion Ratio Lower Upper

114 100

63 20.1 0.0 38.4

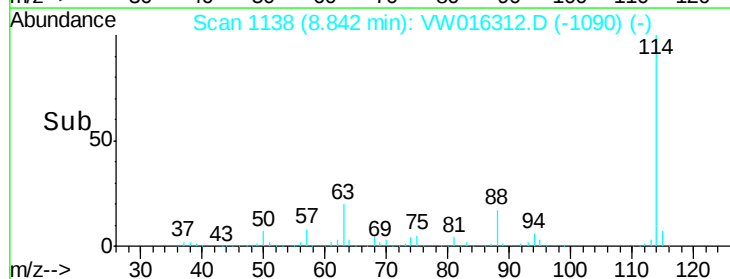
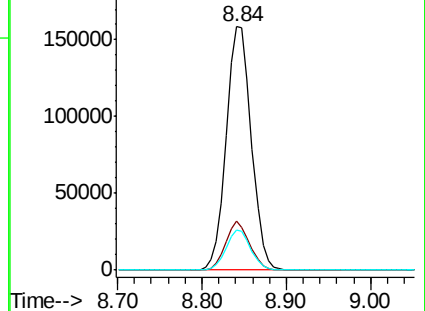
88 16.5 0.0 32.8

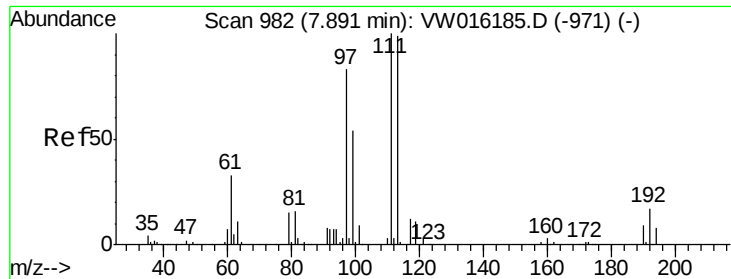


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

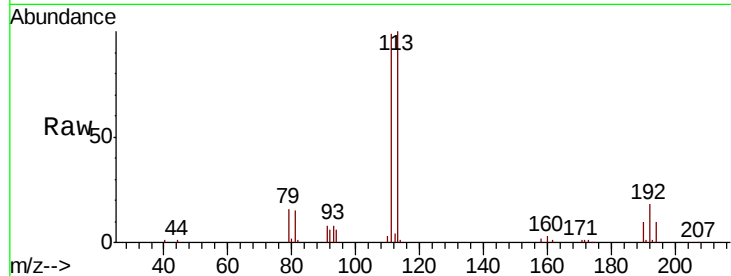
Ion 87.90 (87.60 to 88.60): VW



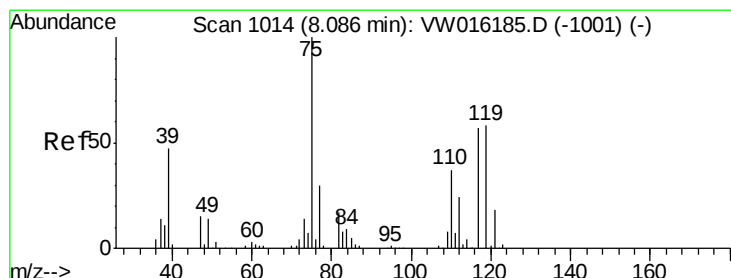
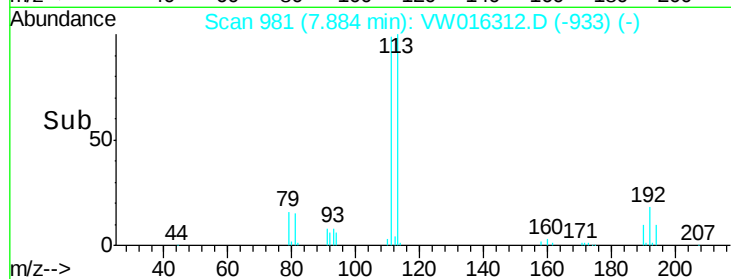
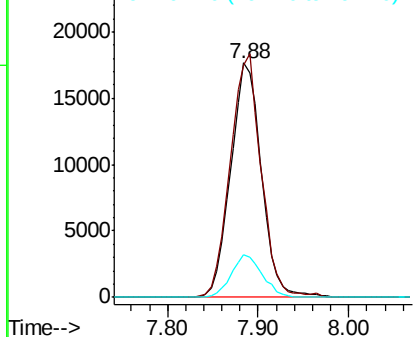


#35
 Dibromofluoromethane
 Concen: 20.914 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW016312.D
 Acq: 21 Aug 2020 17:53

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	83.5	125.3
192	18.0	14.3	21.5

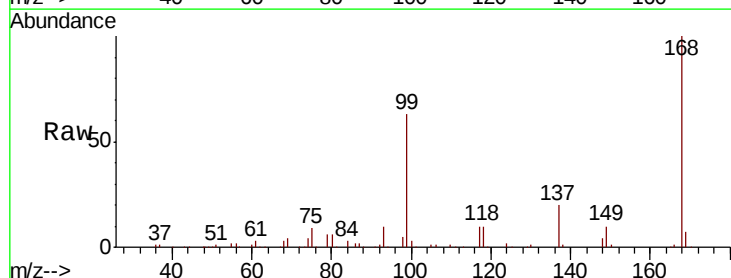


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

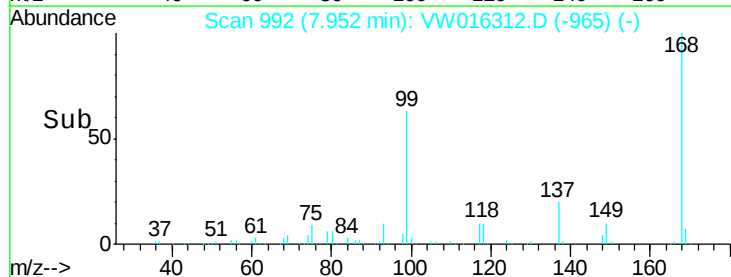
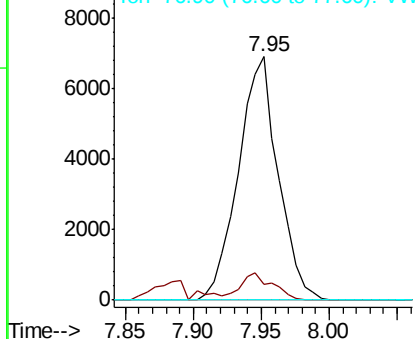


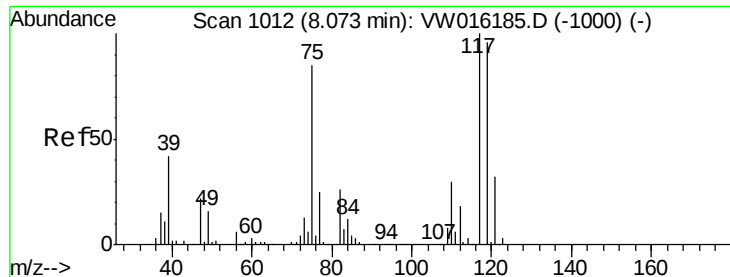
#36
 1,1-Dichloropropene
 Concen: 4.435 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW016312.D
 Acq: 21 Aug 2020 17:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.1	54.3#
77	0.0	24.7	37.1#



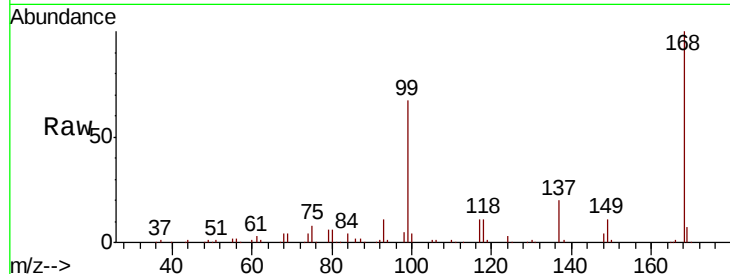
Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW



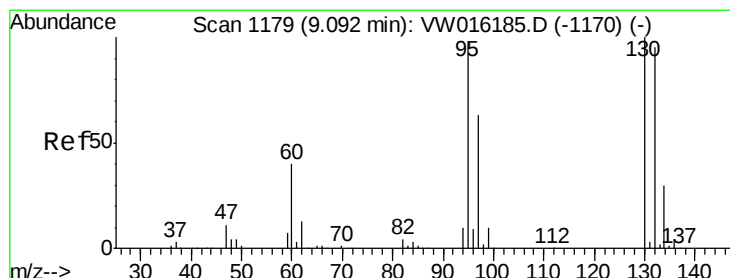
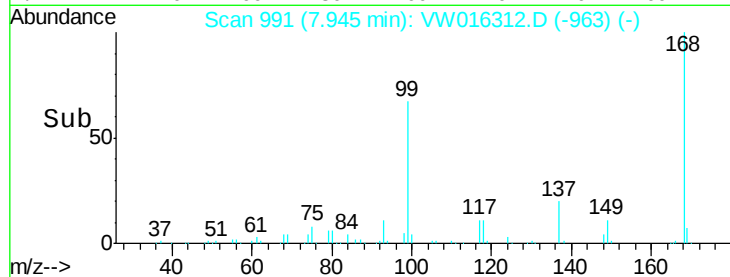
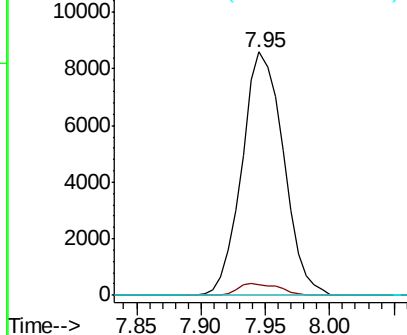


#38
Carbon Tetrachloride
Concen: 6.059 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.13 min
Lab File: VW016312.D
Acq: 21 Aug 2020 17:53

Tot Ion:117 Resp: 19223
Ion Ratio Lower Upper
117 100
119 4.6 76.6 115.0#
121 0.0 25.4 38.0#

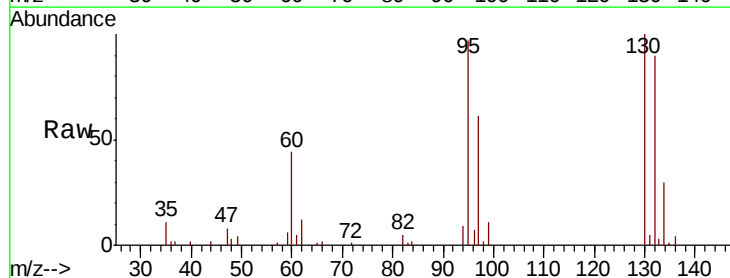


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

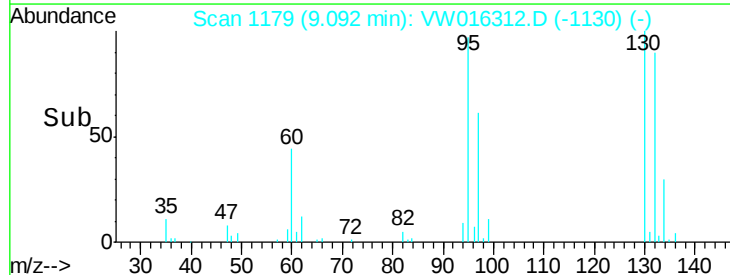
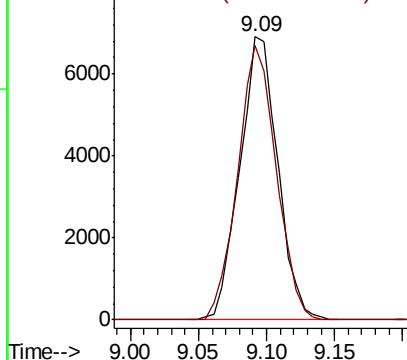


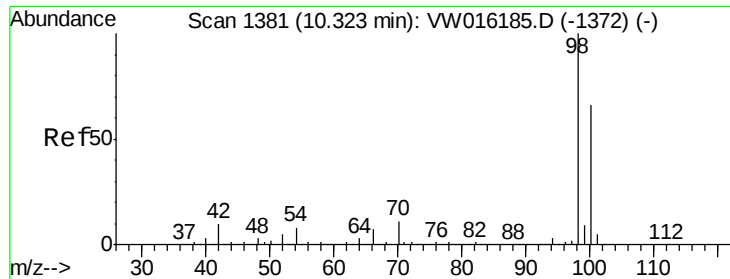
#44
Trichloroethene
Concen: 5.338 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW016312.D
Acq: 21 Aug 2020 17:53

Tgt Ion:130 Resp: 13521
Ion Ratio Lower Upper
130 100
95 97.0 0.0 196.4



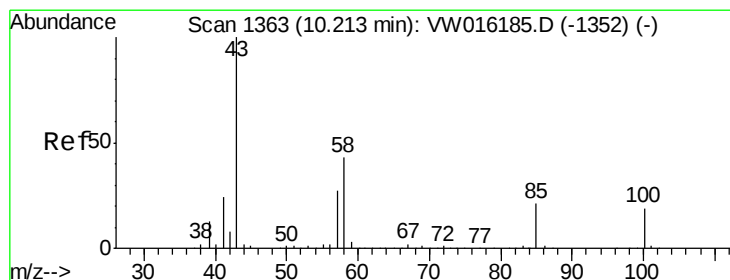
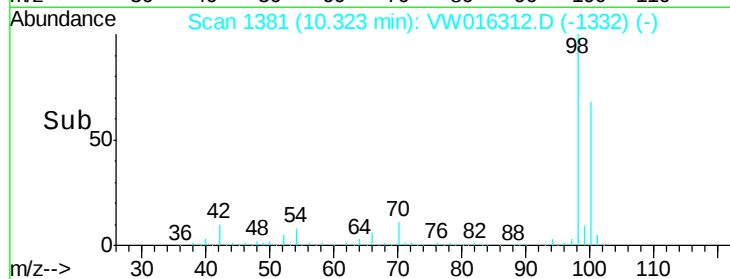
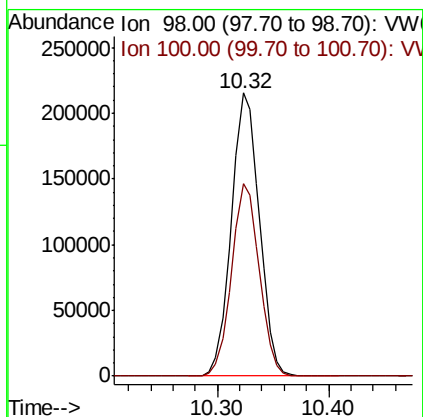
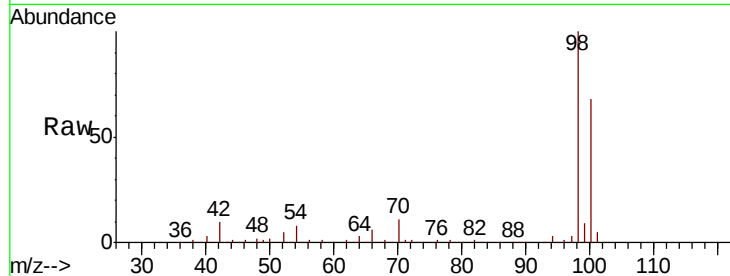
Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): V





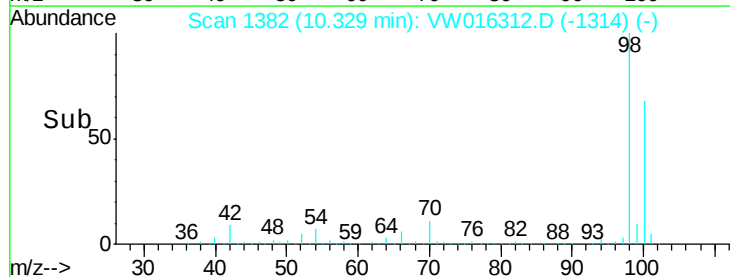
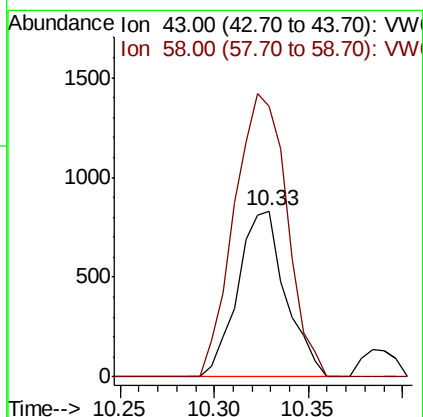
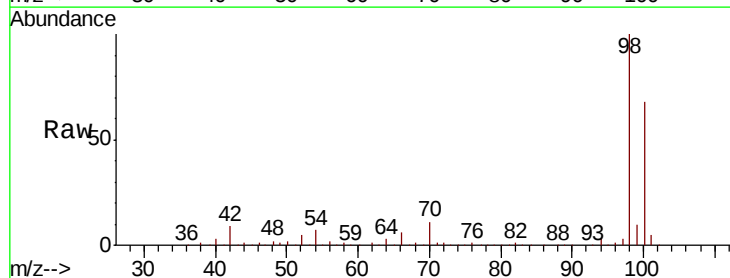
#50
Toluene-d8
Concen: 48.637 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW016312.D
Acq: 21 Aug 2020 17:53

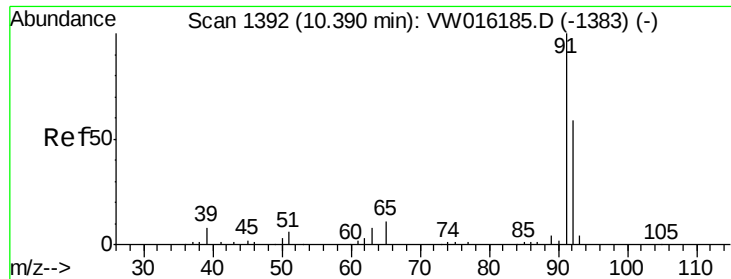
Tot Ion: 98 Resp: 374857
Ion Ratio Lower Upper
98 100
100 67.4 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 1.410 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.12 min
Lab File: VW016312.D
Acq: 21 Aug 2020 17:53

Tgt Ion: 43 Resp: 1462
Ion Ratio Lower Upper
43 100
58 188.0 33.7 50.5#





#52

Toluene

Concen: 1.421 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW016312.D

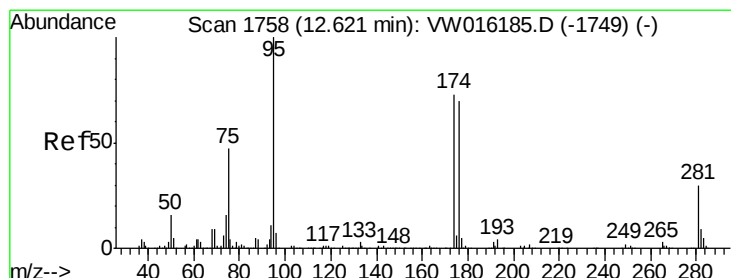
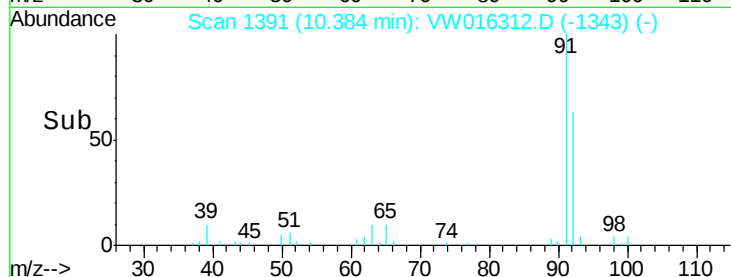
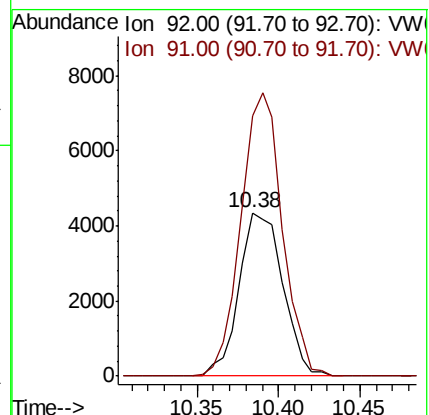
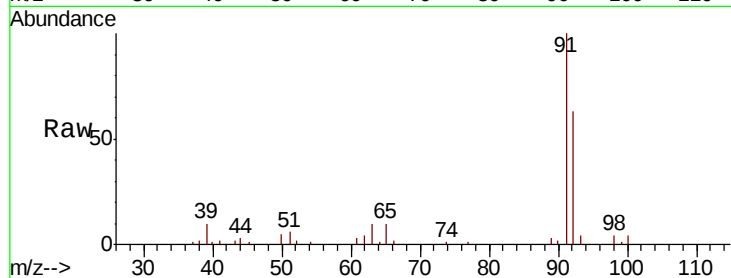
Acq: 21 Aug 2020 17:53

Tot Ion: 92 Resp: 8135

Ion Ratio Lower Upper

92 100

91 164.2 133.3 199.9



#62

4-Bromofluorobenzene

Concen: 42.784 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW016312.D

Acq: 21 Aug 2020 17:53

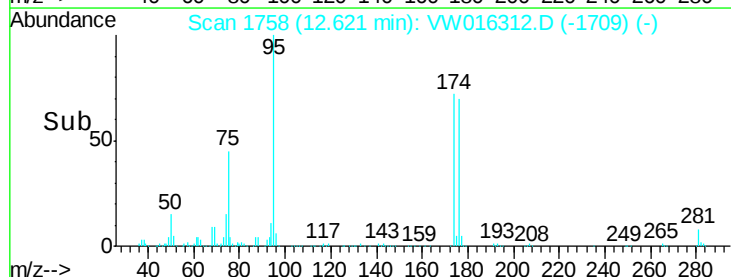
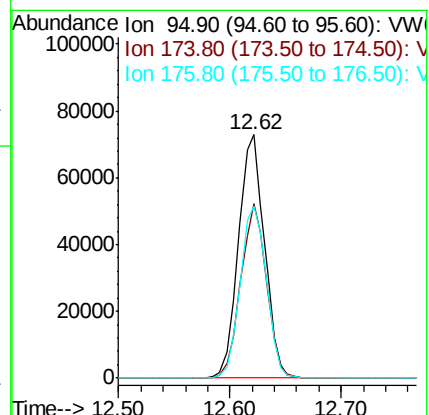
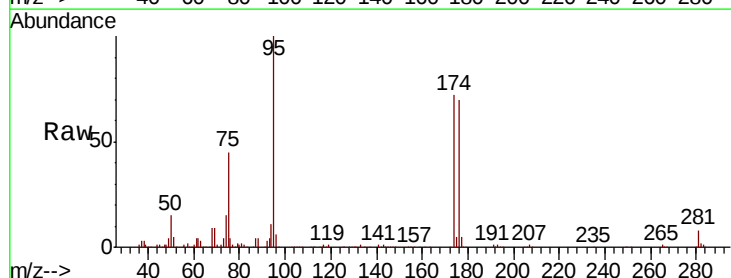
Tgt Ion: 95 Resp: 117867

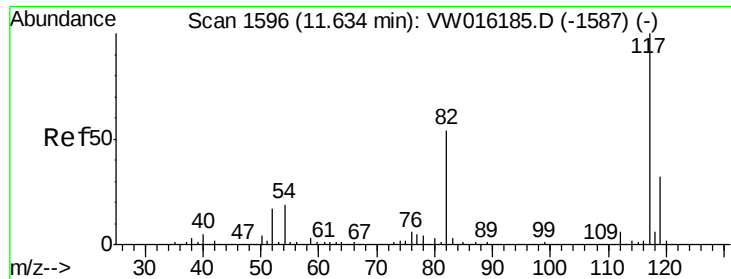
Ion Ratio Lower Upper

95 100

174 70.8 0.0 145.6

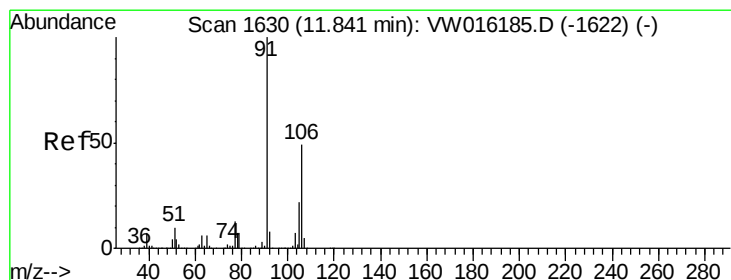
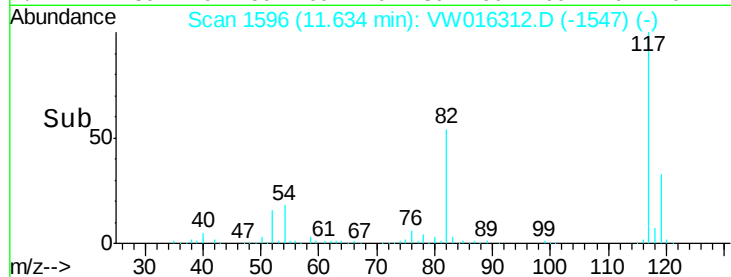
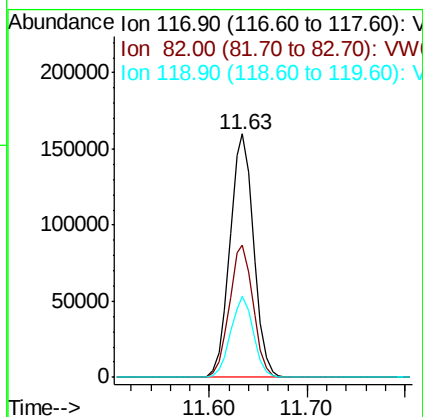
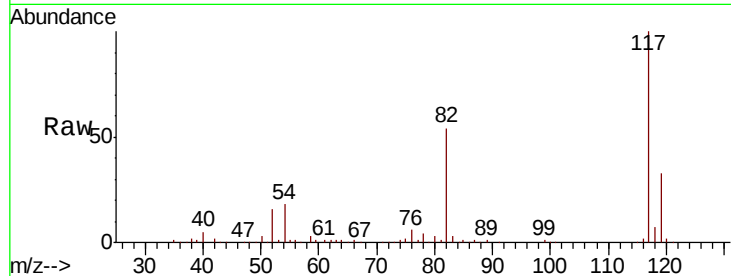
176 71.2 0.0 137.8





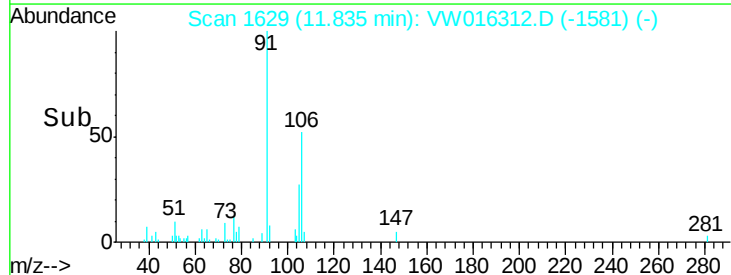
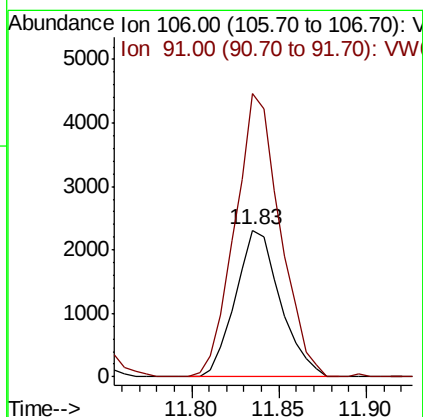
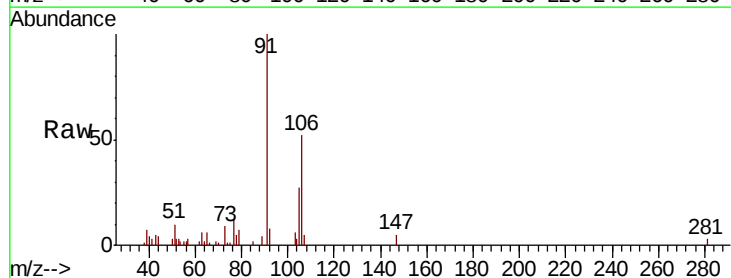
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW016312.D
Acq: 21 Aug 2020 17:53

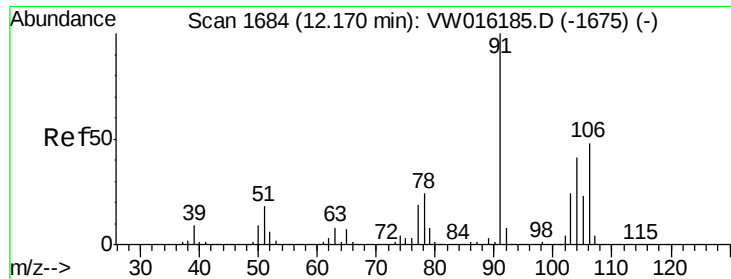
Tot Ion:117 Resp: 267973
Ion Ratio Lower Upper
117 100
82 54.3 43.6 65.4
119 33.3 25.4 38.0



#68
m/p-Xylenes
Concen: 1.087 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW016312.D
Acq: 21 Aug 2020 17:53

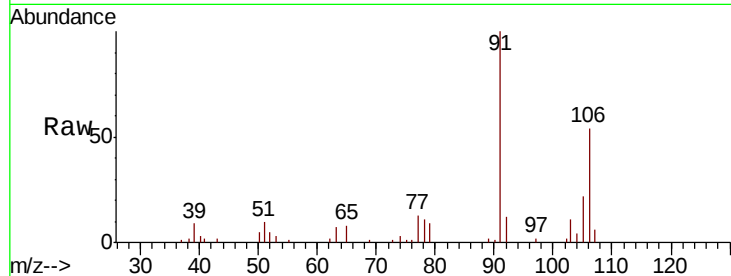
Tgt Ion:106 Resp: 4124
Ion Ratio Lower Upper
106 100
91 193.6 161.4 242.2



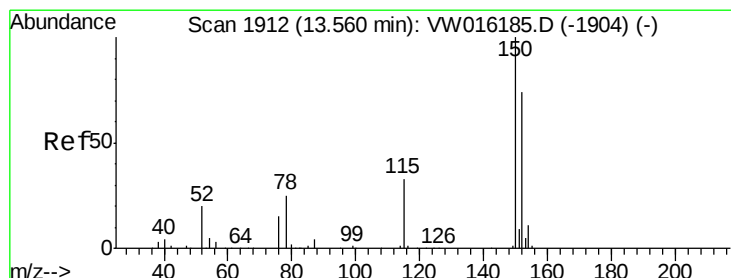
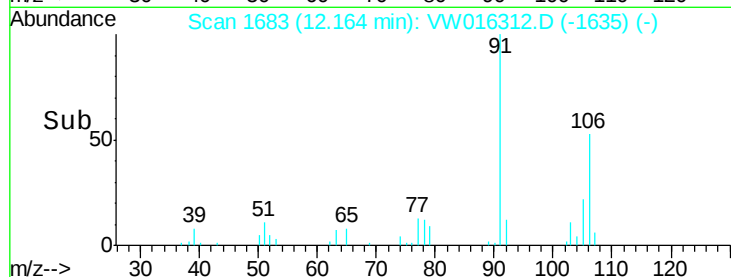
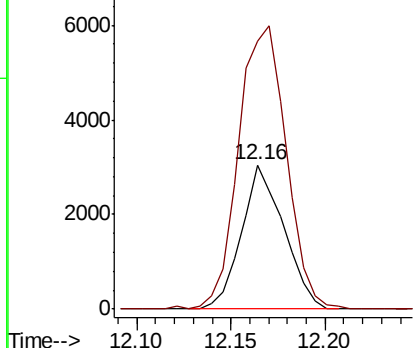


#69
o-Xylene
Concen: 1.402 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW016312.D
Acq: 21 Aug 2020 17:53

Tot Ion:106 Resp: 4738
Ion Ratio Lower Upper
106 100
91 221.8 106.0 317.9

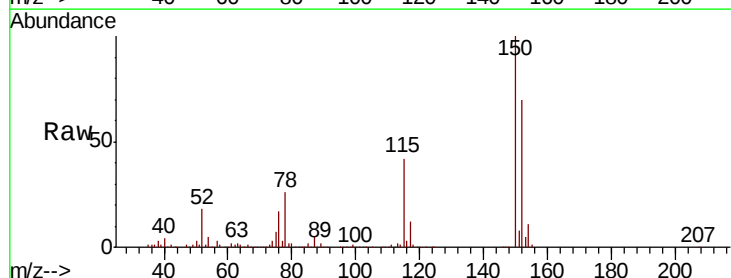


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

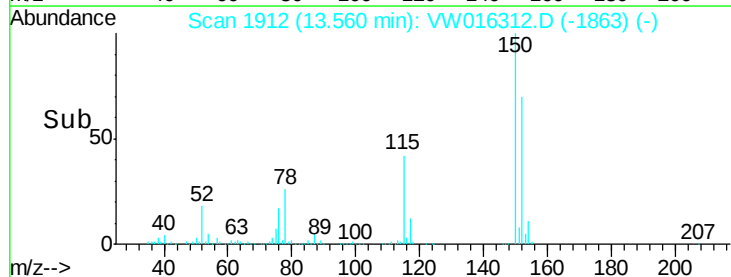
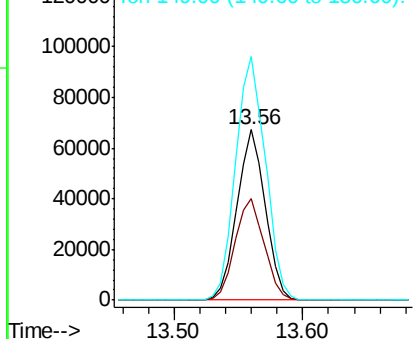


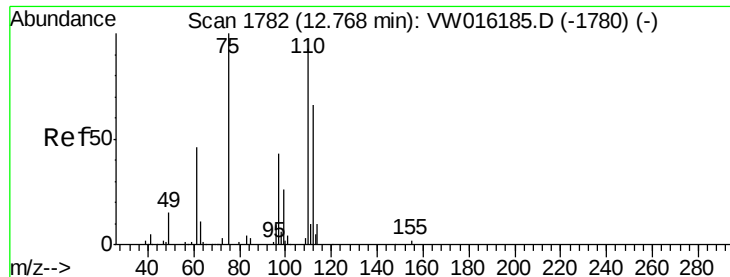
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW016312.D
Acq: 21 Aug 2020 17:53

Tgt Ion:152 Resp: 102216
Ion Ratio Lower Upper
152 100
115 61.5 30.9 92.5
150 151.3 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

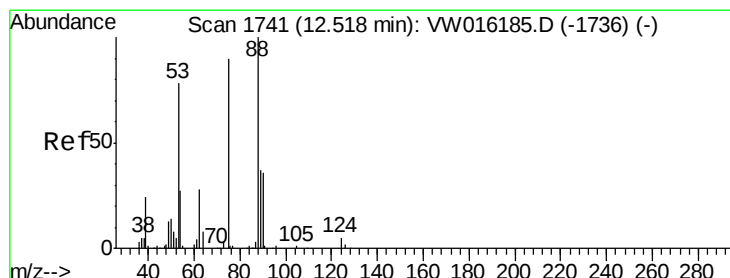
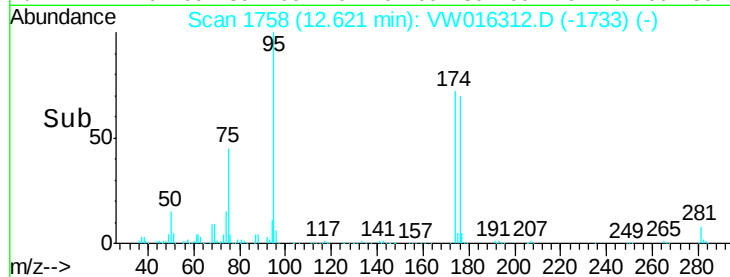
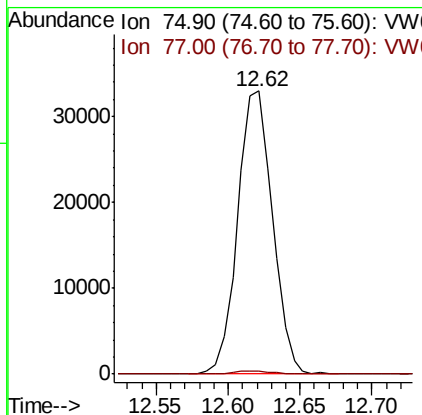
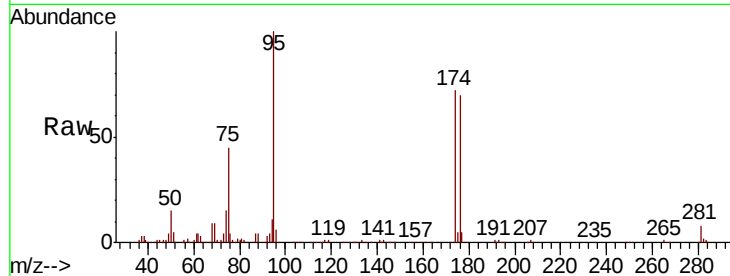




#76

1,2,3-Trichloropropane
Concen: 58.823 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW016312.D
Acq: 21 Aug 2020 17:53

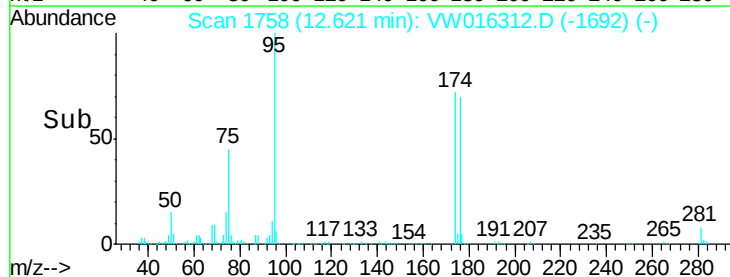
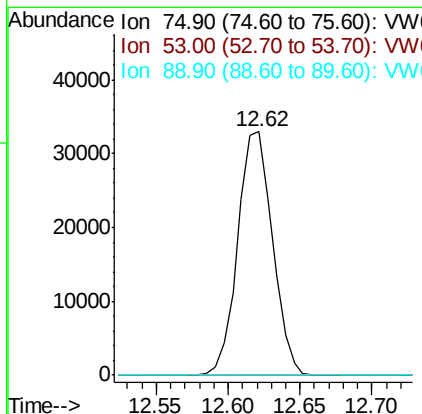
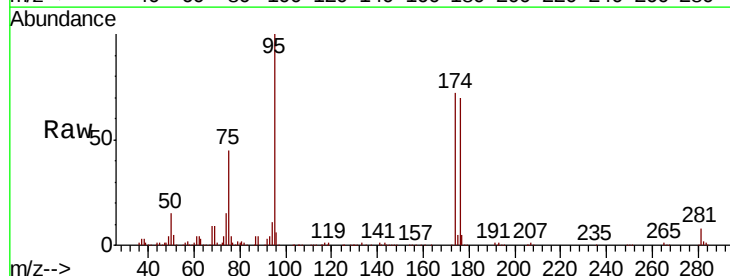
Tot Ion: 75 Resp: 55297
Ion Ratio Lower Upper
75 100
77 1.2 173.6 520.6#

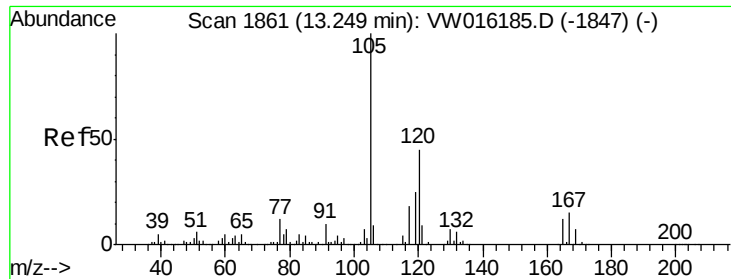


#81

trans-1,4-Dichloro-2-butene
Concen: 141.096 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.10 min
Lab File: VW016312.D
Acq: 21 Aug 2020 17:53

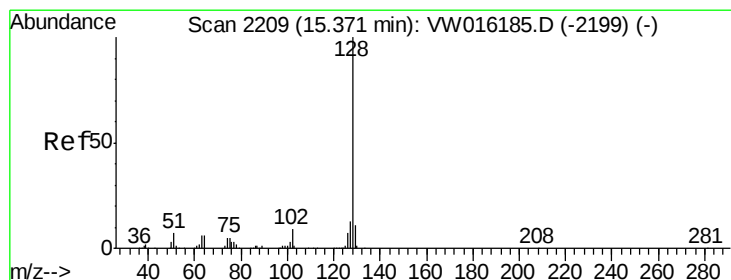
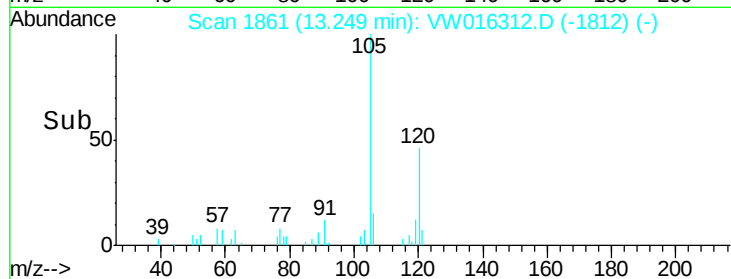
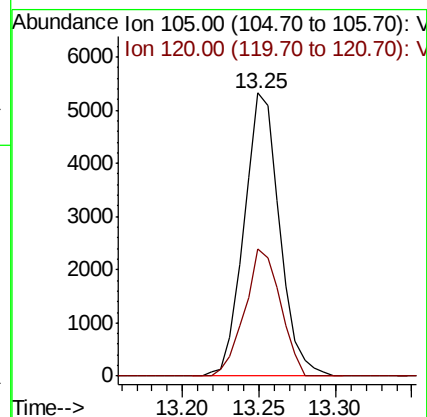
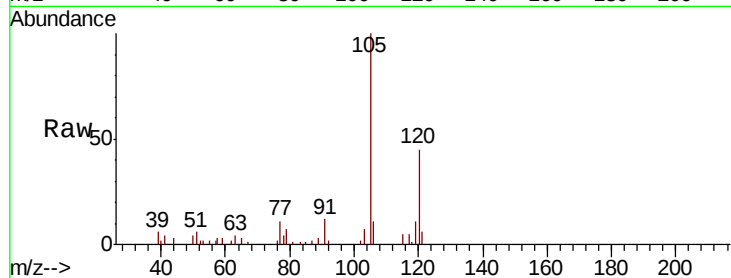
Tgt Ion: 75 Resp: 55297
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.1 37.2 55.8#





#84
 1,2,4-Trimethylbenzene
 Concen: 1.292 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW016312.D
 Acq: 21 Aug 2020 17:53

Tot Ion:105 Resp: 8550
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.2 66.6



#95
 Naphthalene
 Concen: 4.470 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.01 min
 Lab File: VW016312.D
 Acq: 21 Aug 2020 17:53

Tgt Ion:128 Resp: 3616
 Ion Ratio Lower Upper
 128 100
 127 13.2 10.2 15.4
 129 14.2 8.7 13.1#

