

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082220\
 Data File : VW016307.D
 Acq On : 21 Aug 2020 15:46
 Operator : SY/VA
 Sample : L3734-02
 Misc : 6.91G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

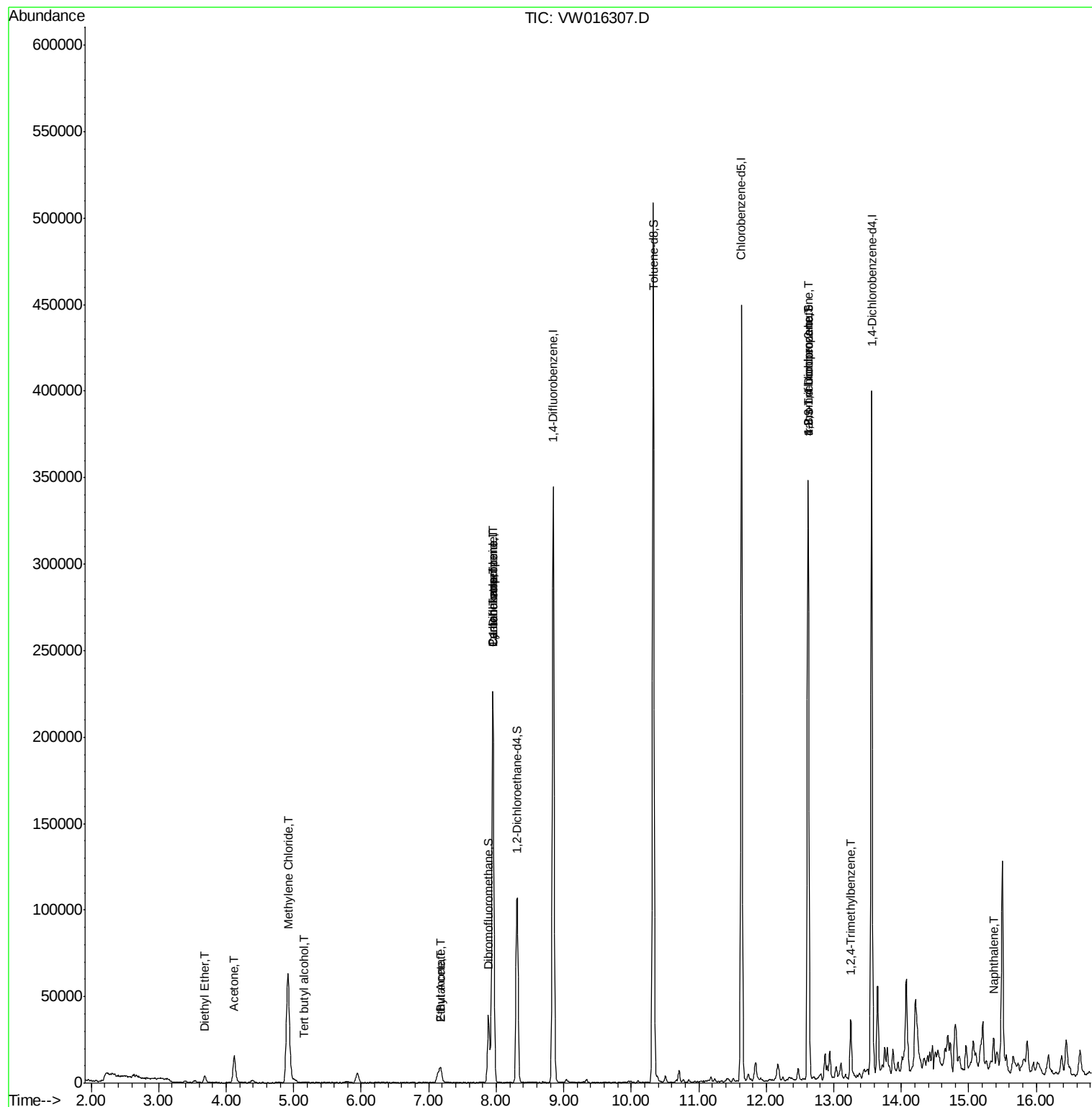
Quant Time: Aug 22 06:03:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081420S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 17 08:01:41 2020
 Response via : Initial Calibration

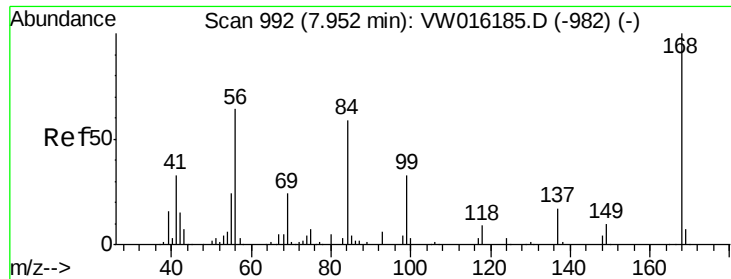
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	164155	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	306305	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	265173	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	106819	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	86816	54.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.46%	
35) Dibromofluoromethane	7.88	113	29230	15.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	30.94%	
50) Toluene-d8	10.32	98	352579	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
62) 4-Bromofluorobenzene	12.62	95	119969	45.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.76%	
Target Compounds						
8) Diethyl Ether	3.68	74	2202	2.605	ug/l	95
11) Tert butyl alcohol	5.15	59	629	7.383	ug/l #	70
16) Acetone	4.12	43	27094	88.349	ug/l	93
20) Methylene Chloride	4.91	84	55346	26.756	ug/l	89
25) 2-Butanone	7.18	43	13500	32.847	ug/l	98
31) Cyclohexane	7.95	56	3289	1.126	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	12276	4.068	ug/l #	50
37) Ethyl Acetate	7.18	43	13500	13.049	ug/l #	65
38) Carbon Tetrachloride	7.95	117	17393	5.776	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	56980	58.002	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	56980	139.125	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.25	105	18858	2.727	ug/l	100
95) Naphthalene	15.37	128	16209	7.406	ug/l #	94

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

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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: VW016307.D

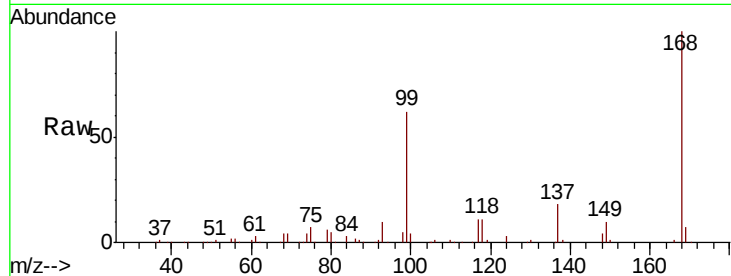
Acq: 21 Aug 2020 15:46

Tot Ion:168 Resp: 164155

Ion Ratio Lower Upper

168 100

99 61.5 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

80000

60000

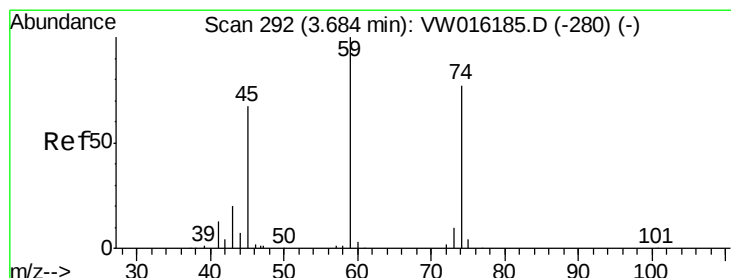
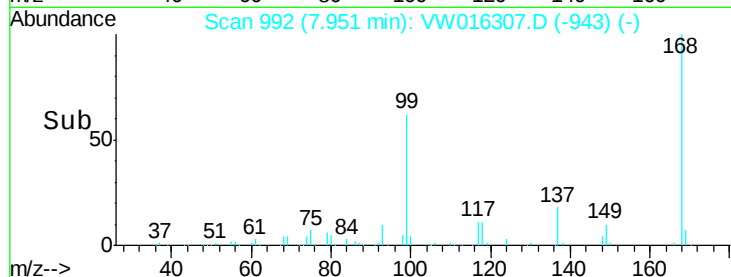
40000

20000

0

7.90 8.00 8.10

Time-->



#8

Diethyl Ether

Concen: 2.605 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.00 min

Lab File: VW016307.D

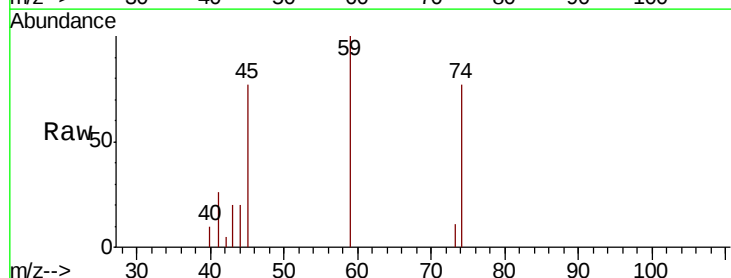
Acq: 21 Aug 2020 15:46

Tgt Ion: 74 Resp: 2202

Ion Ratio Lower Upper

74 100

45 96.3 45.9 137.7



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

1000

800

600

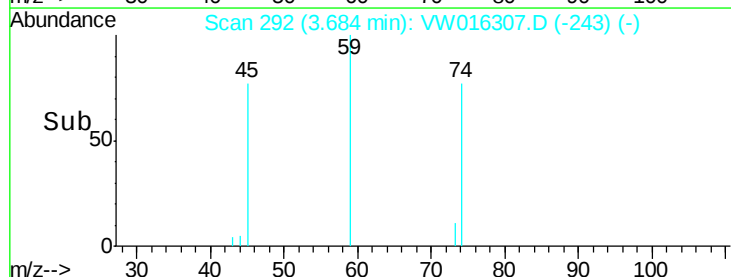
400

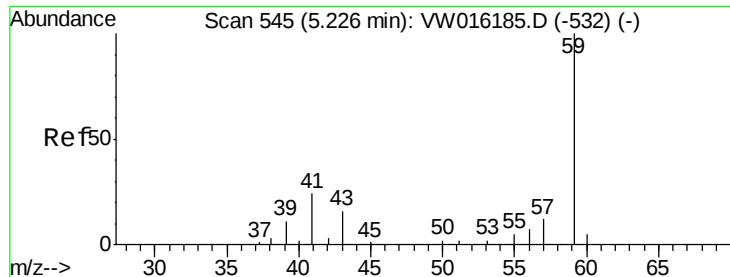
200

0

3.60 3.65 3.70 3.75

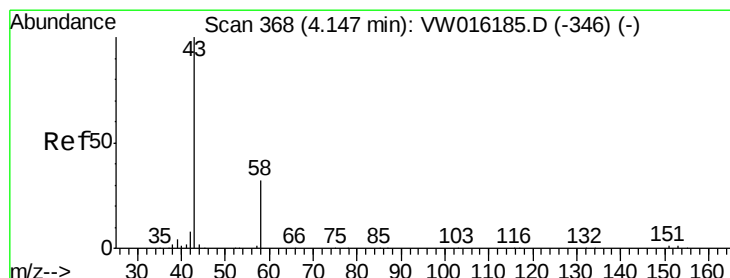
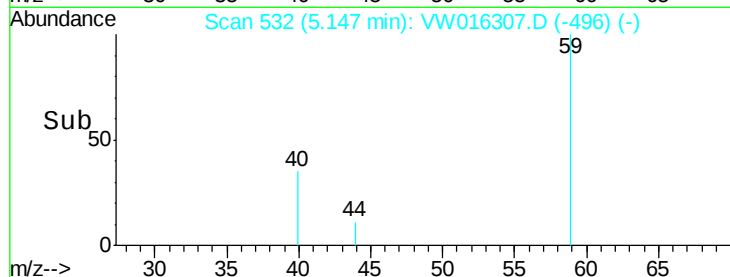
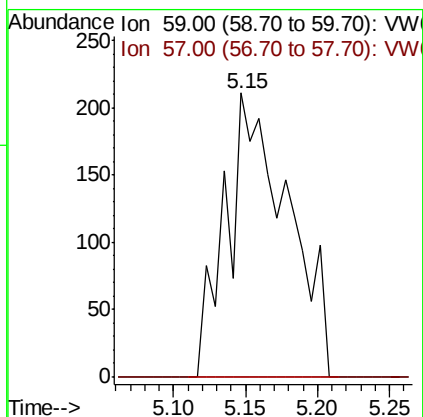
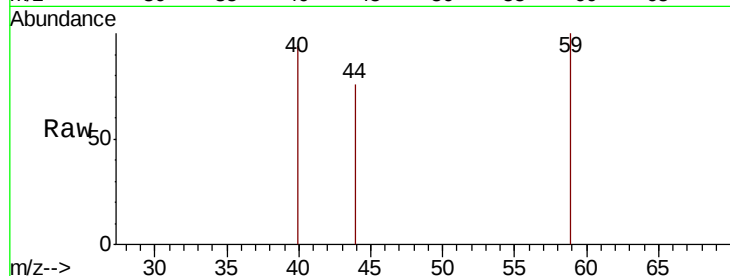
Time-->





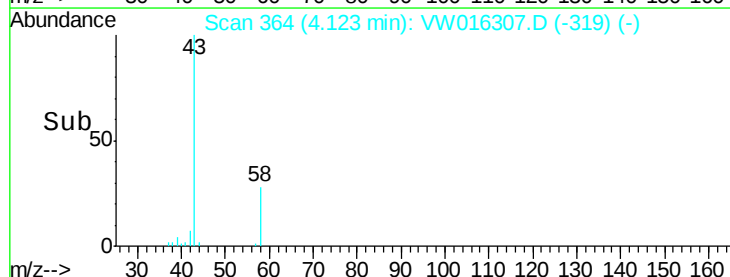
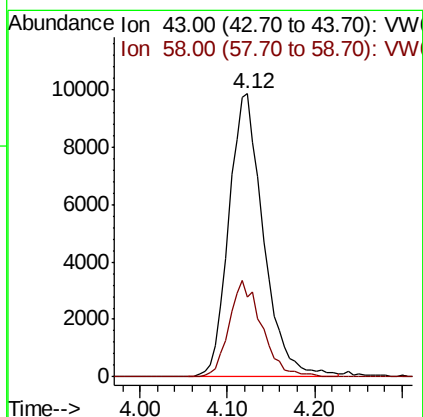
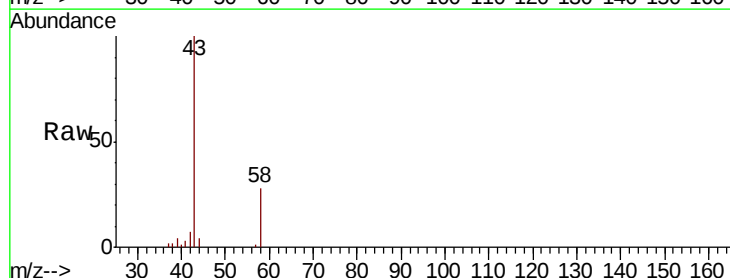
#11
Tert butyl alcohol
Concen: 7.383 ug/l
RT: 5.15 min Scan# 532
Delta R.T. -0.08 min
Lab File: VW016307.D
Acq: 21 Aug 2020 15:46

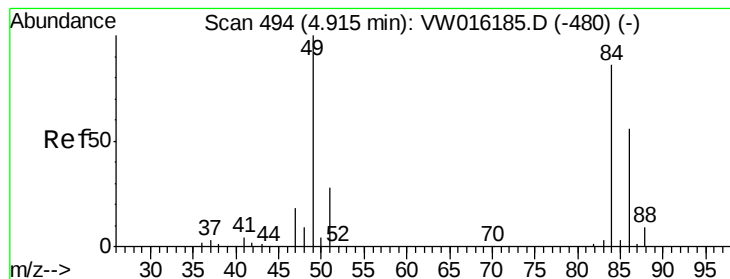
Tot Ion: 59 Resp: 629
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.6#



#16
Acetone
Concen: 88.349 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.02 min
Lab File: VW016307.D
Acq: 21 Aug 2020 15:46

Tgt Ion: 43 Resp: 27094
Ion Ratio Lower Upper
43 100
58 28.2 25.8 38.6





#20

Methylene Chloride

Concen: 26.756 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW016307.D

Acq: 21 Aug 2020 15:46

Tot Ion: 84 Resp: 55346

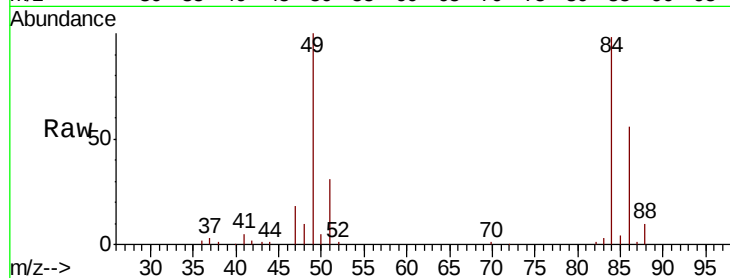
Ion Ratio Lower Upper

84 100

49 102.5 93.4 140.2

51 31.6 26.6 40.0

86 57.2 52.2 78.2

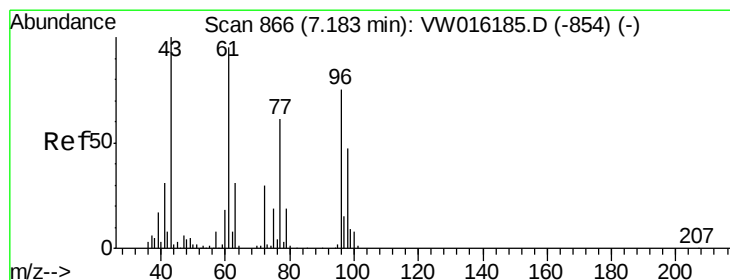
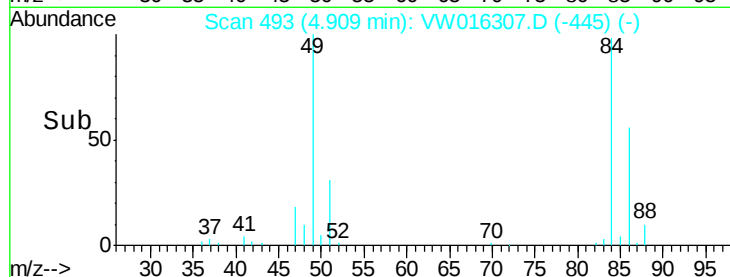
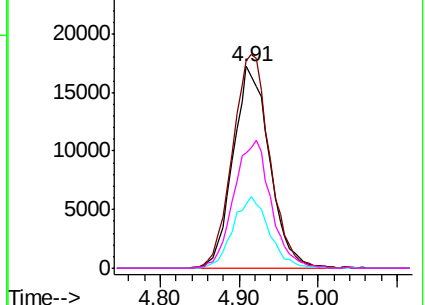


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#25

2-Butanone

Concen: 32.847 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW016307.D

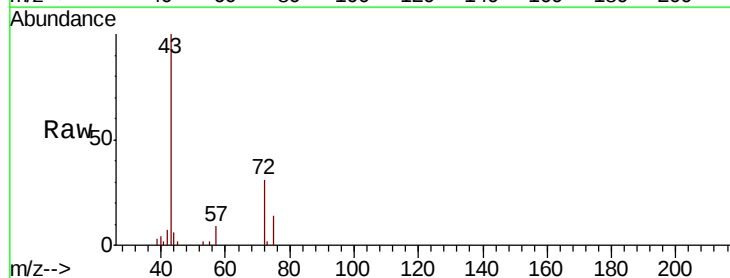
Acq: 21 Aug 2020 15:46

Tgt Ion: 43 Resp: 13500

Ion Ratio Lower Upper

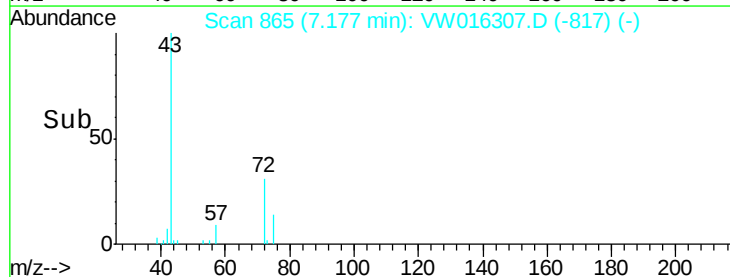
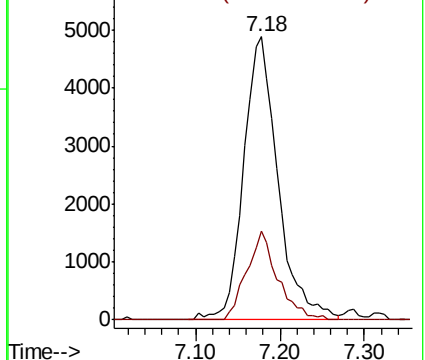
43 100

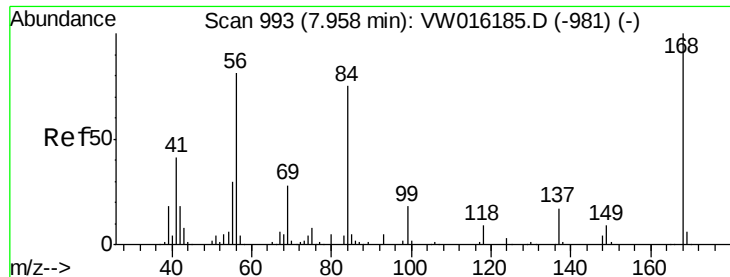
72 31.2 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VW

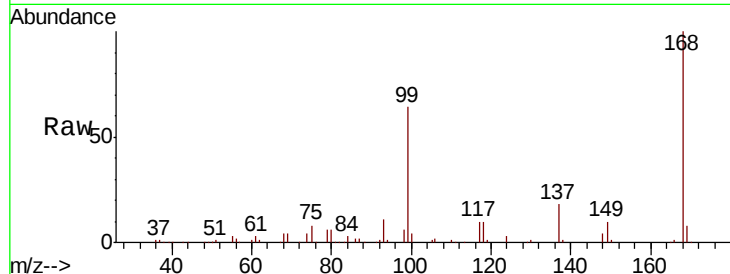
Ion 72.00 (71.70 to 72.70): VW



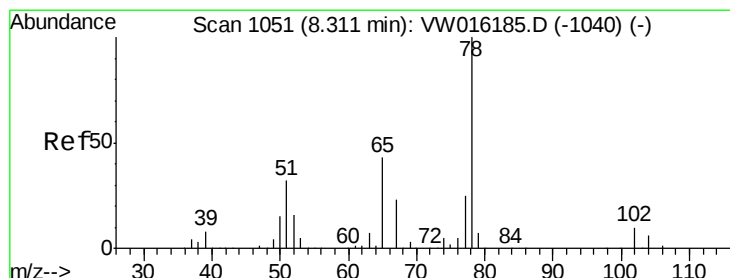
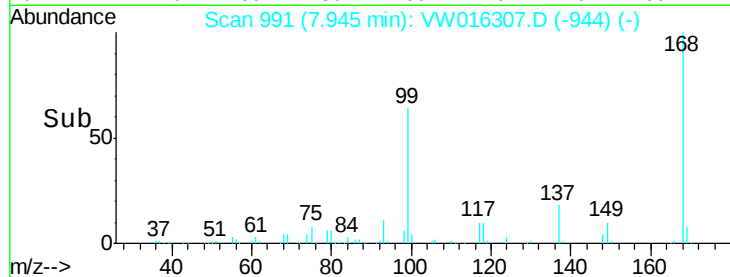
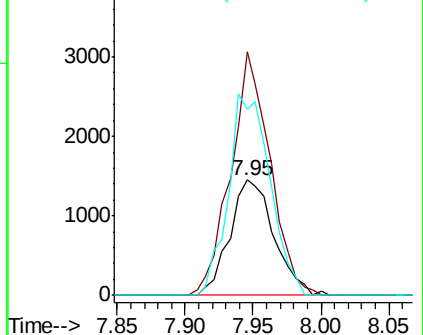


#31
Cyclohexane
Concen: 1.126 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW016307.D
Acq: 21 Aug 2020 15:46

Tot Ion: 56 Resp: 3289
Ion Ratio Lower Upper
56 100
69 211.7 27.3 40.9#
84 161.4 73.5 110.3#

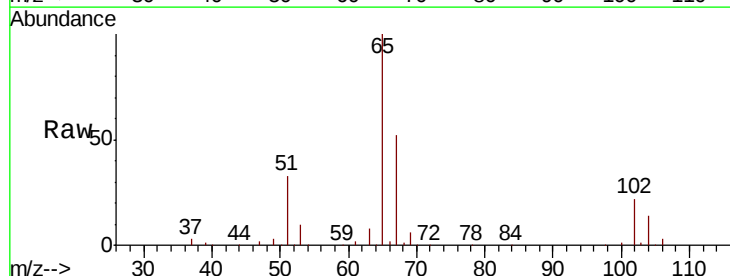


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

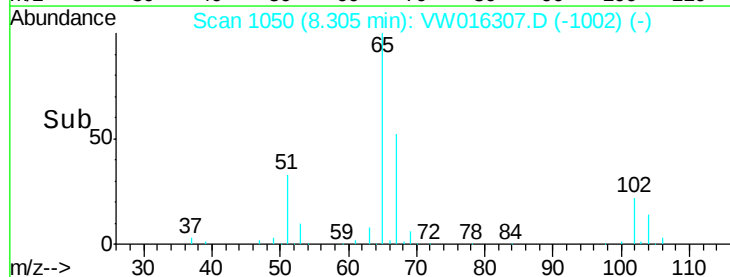
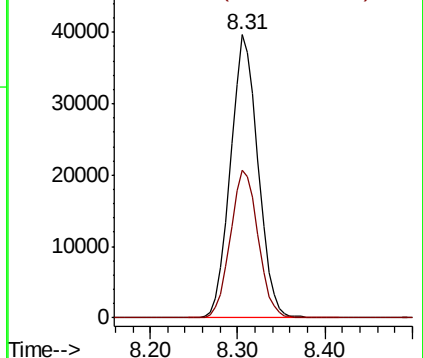


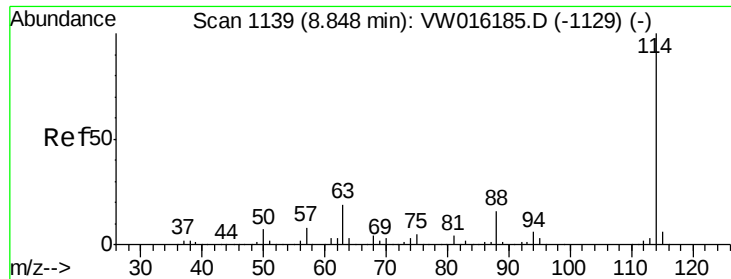
#33
1,2-Dichloroethane-d4
Concen: 54.232 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VW016307.D
Acq: 21 Aug 2020 15:46

Tgt Ion: 65 Resp: 86816
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.6



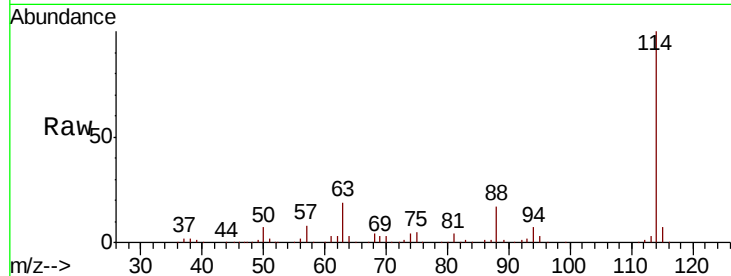
Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW



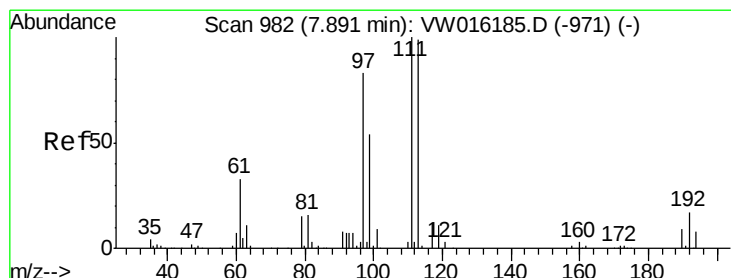
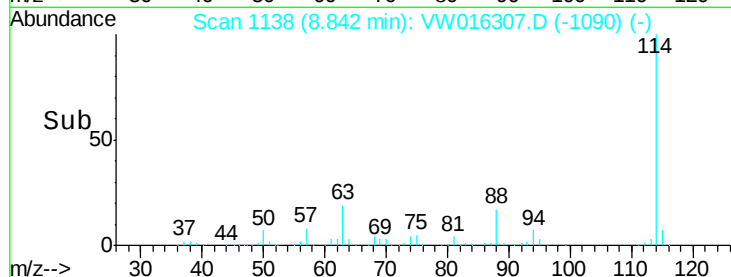
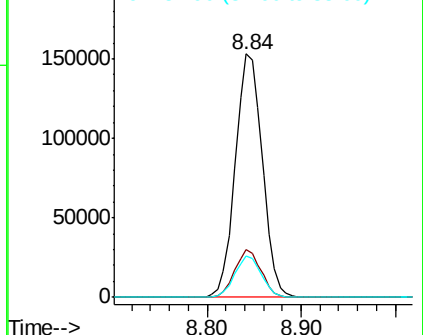


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW016307.D
 Acq: 21 Aug 2020 15:46

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	38.4
88	16.8	0.0	32.8

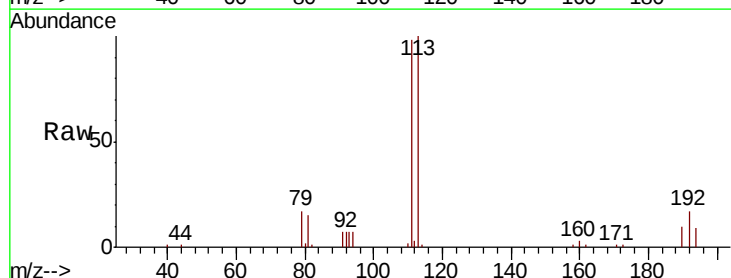


Abundance Ion 113.90 (113.60 to 114.60): V

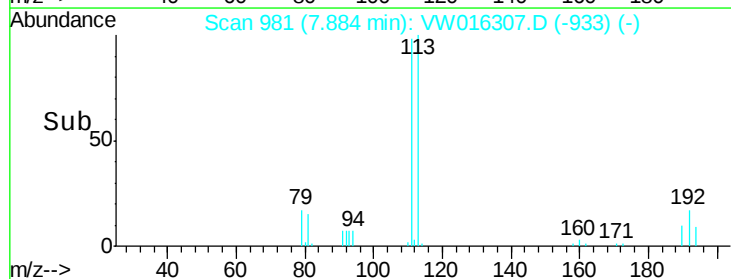
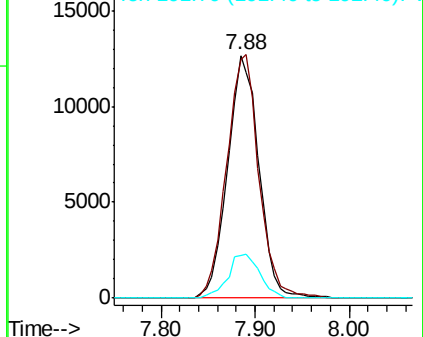


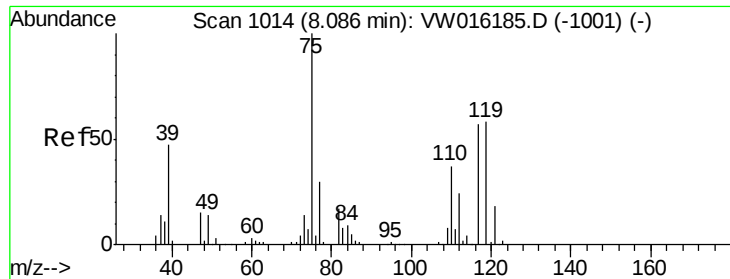
#35
 Dibromofluoromethane
 Concen: 15.466 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW016307.D
 Acq: 21 Aug 2020 15:46

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.5	125.3
192	18.5	14.3	21.5



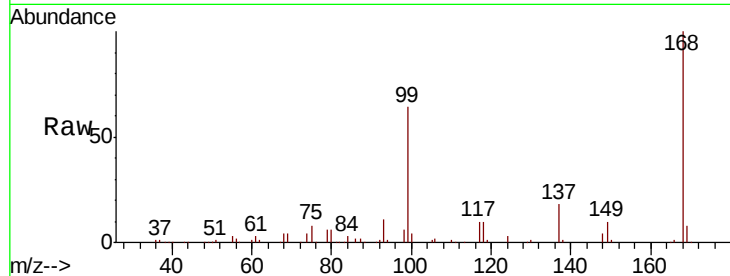
Abundance Ion 112.80 (112.50 to 113.50): V



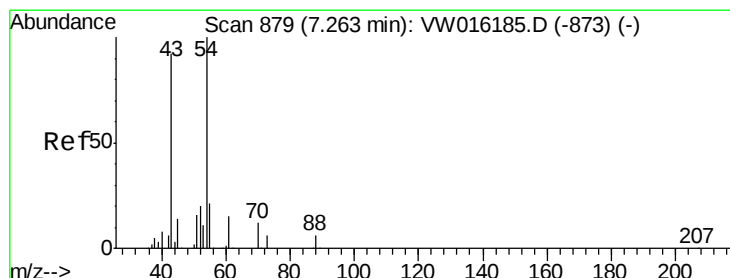
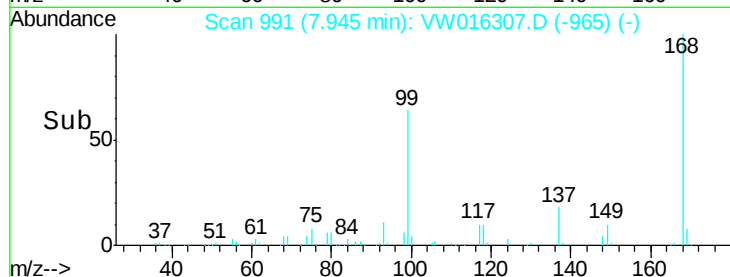
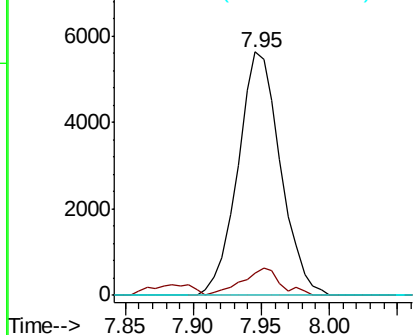


#36
 1,1-Dichloropropene
 Concen: 4.068 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW016307.D
 Acq: 21 Aug 2020 15:46

Tot Ion	75	Resp	12276
Ion Ratio	100	Lower	Upper
75	100		
110	10.2	18.1	54.3#
77	0.0	24.7	37.1#

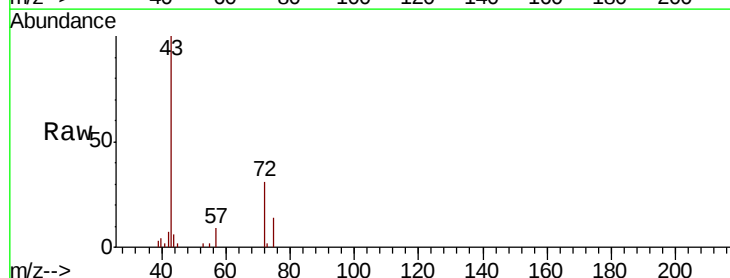


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

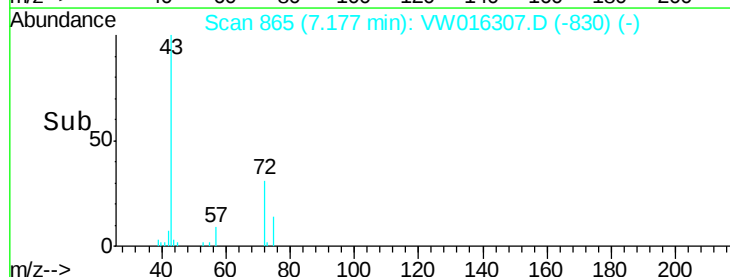
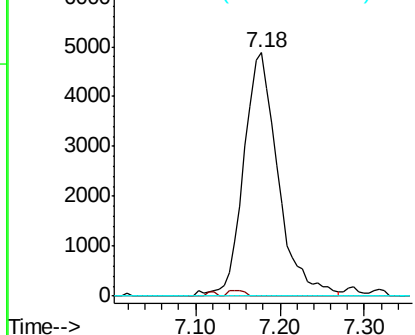


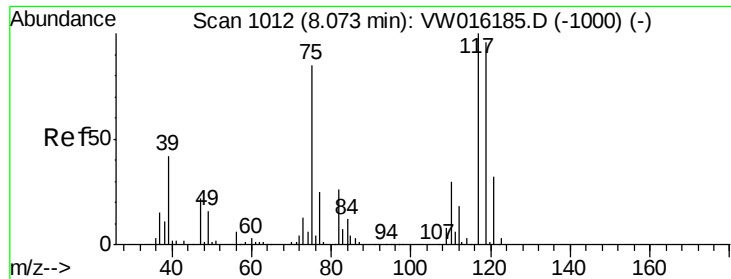
#37
 Ethyl Acetate
 Concen: 13.049 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.09 min
 Lab File: VW016307.D
 Acq: 21 Aug 2020 15:46

Tgt Ion	43	Resp	13500
Ion Ratio	100	Lower	Upper
43	100		
61	0.0	12.6	18.8#
70	0.0	9.8	14.8#



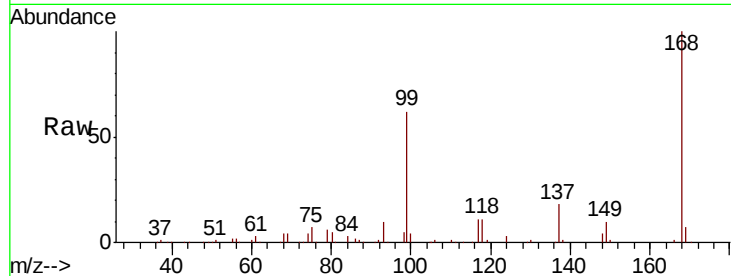
Abundance Ion 43.00 (42.70 to 43.70): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 70.00 (69.70 to 70.70): VW



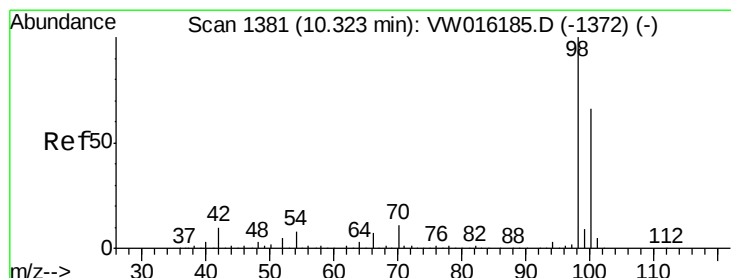
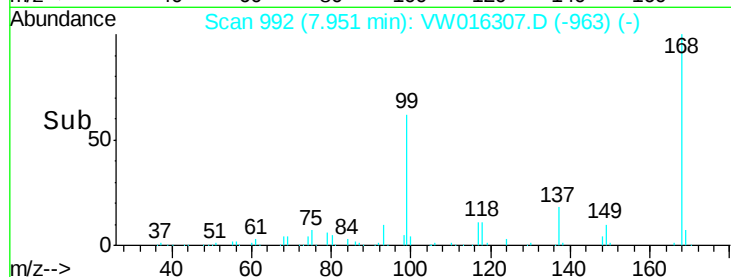
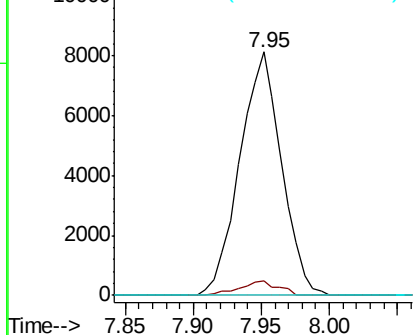


#38
Carbon Tetrachloride
Concen: 5.776 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW016307.D
Acq: 21 Aug 2020 15:46

Tot Ion: 117 Resp: 17393
Ion Ratio Lower Upper
117 100
119 5.8 76.6 115.0#
121 0.0 25.4 38.0#

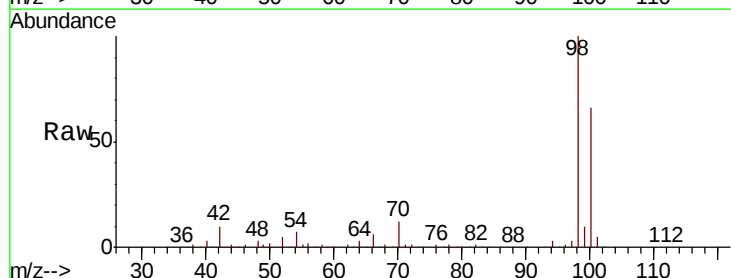


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

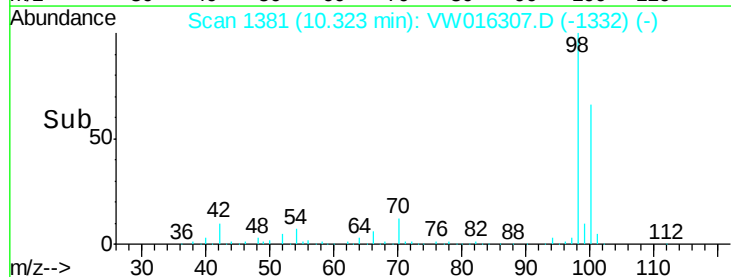
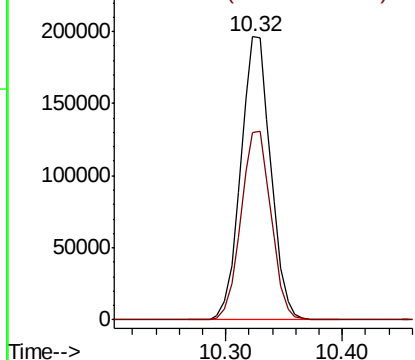


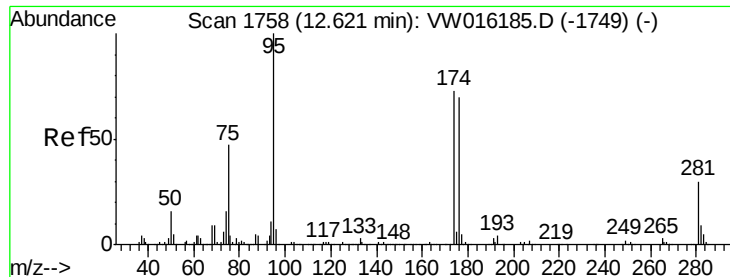
#50
Toluene-d8
Concen: 48.196 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW016307.D
Acq: 21 Aug 2020 15:46

Tgt Ion: 98 Resp: 352579
Ion Ratio Lower Upper
98 100
100 67.2 53.5 80.3



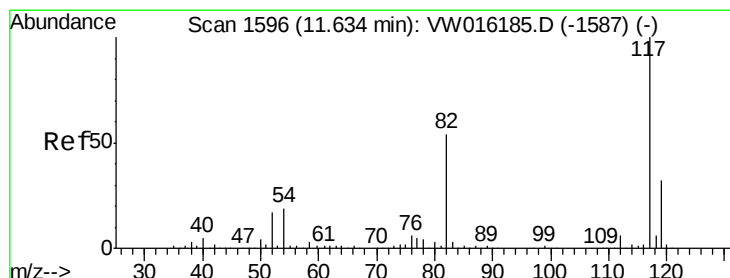
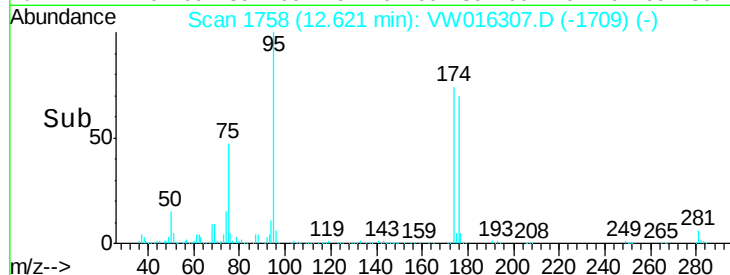
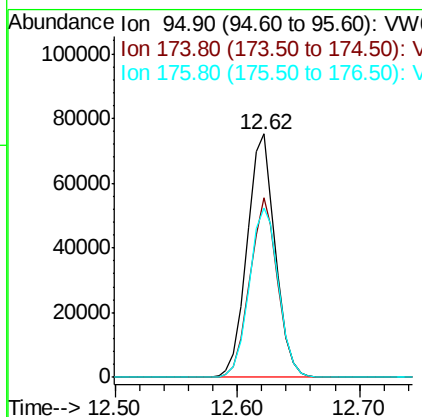
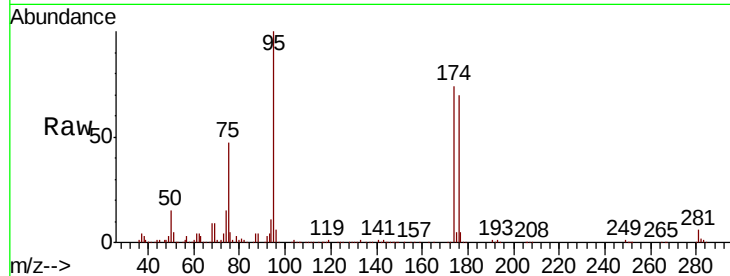
Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





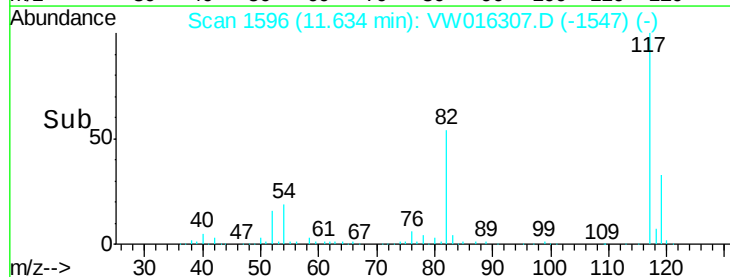
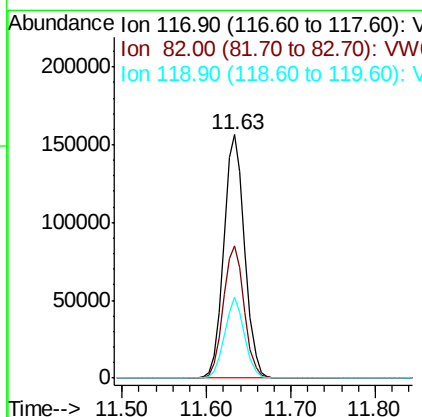
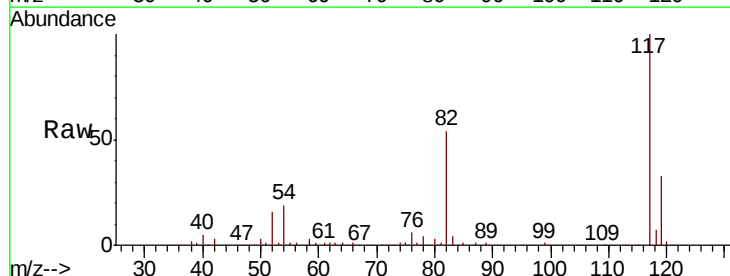
#62
4-Bromofluorobenzene
Concen: 45.877 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW016307.D
Acq: 21 Aug 2020 15:46

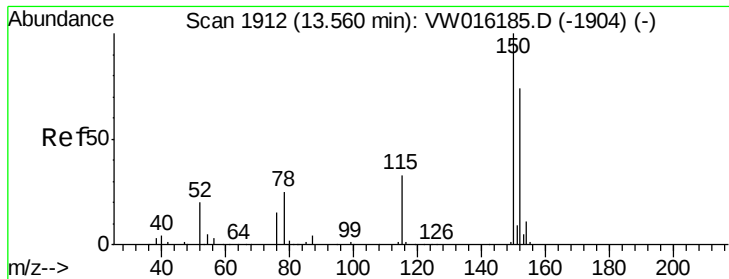
Tot Ion	95	Resp	119969
Ion Ratio	100		
Lower			
Upper			
174	72.9	0.0	145.6
176	72.6	0.0	137.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW016307.D
Acq: 21 Aug 2020 15:46

Tgt Ion	117	Resp	265173
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower			
Upper			
82	54.5	43.6	65.4
119	33.3	25.4	38.0

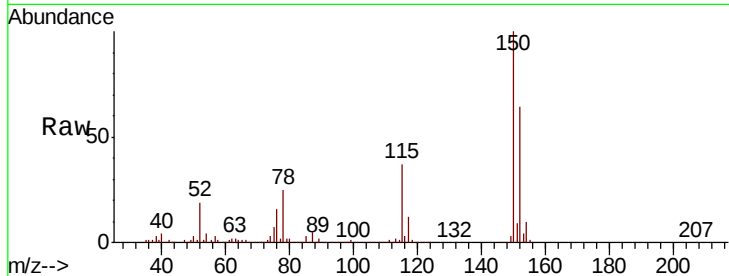




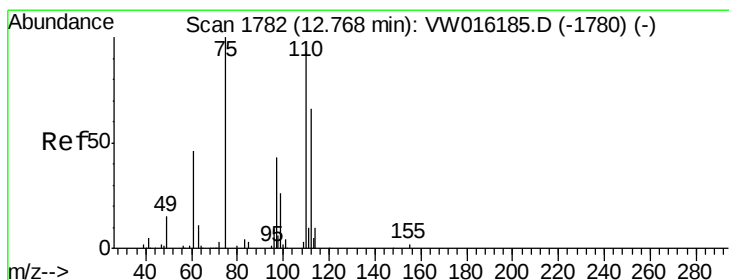
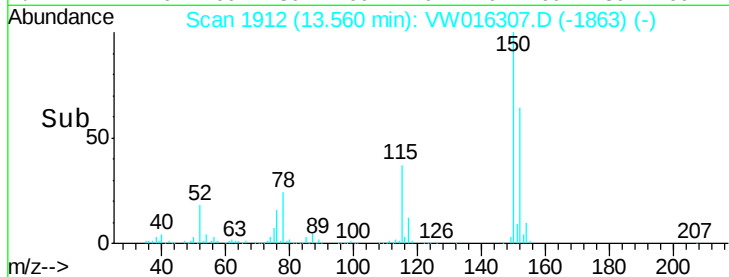
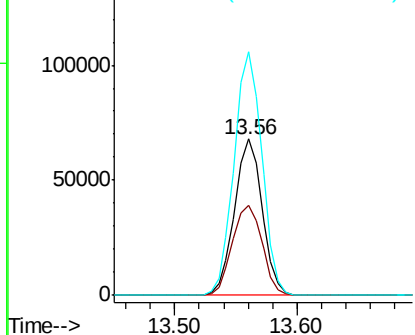
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW016307.D
Acq: 21 Aug 2020 15:46

Tot Ion	Ratio	Lower	Upper
152	100		
115	61.5	30.9	92.5
150	156.5	0.0	337.8



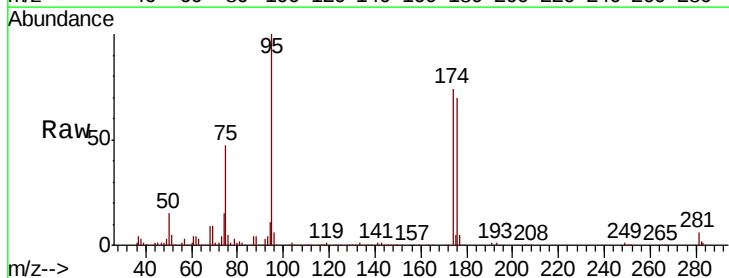
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



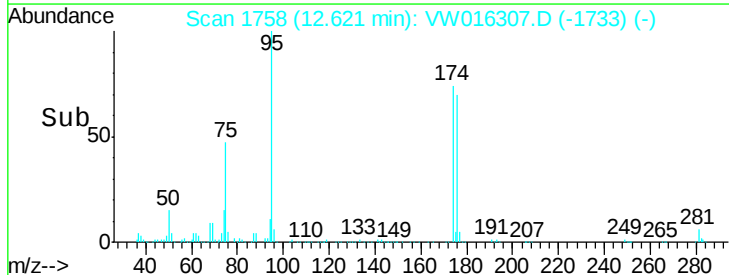
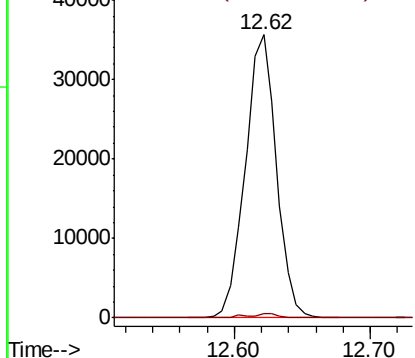
#76

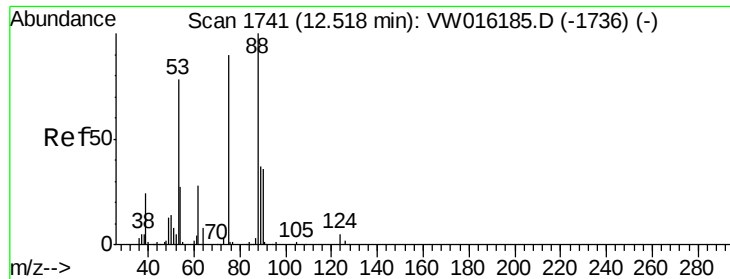
1,2,3-Trichloropropane
Concen: 58.002 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW016307.D
Acq: 21 Aug 2020 15:46

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	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: 139.125 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW016307.D

Acq: 21 Aug 2020 15:46

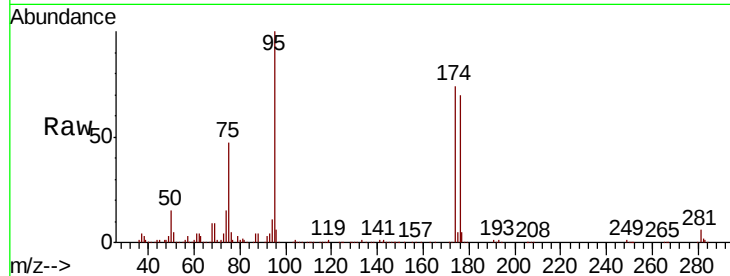
Tot Ion: 75 Resp: 56980

Ion Ratio Lower Upper

75 100

53 0.4 74.6 111.8#

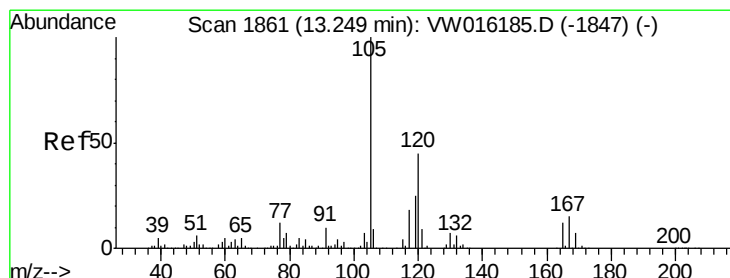
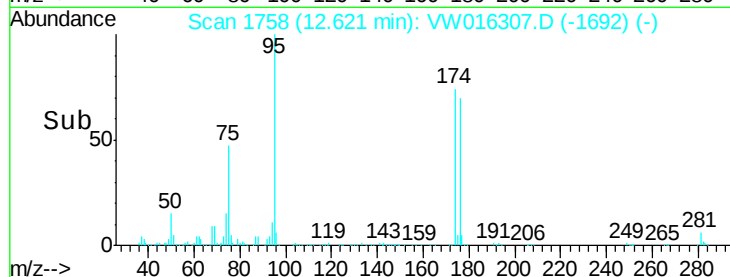
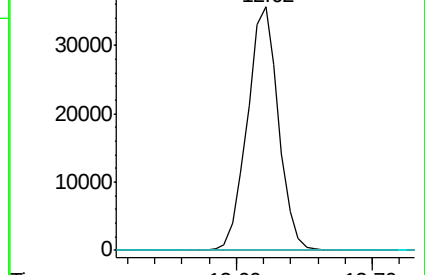
89 0.0 37.2 55.8#



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



#84

1,2,4-Trimethylbenzene

Concen: 2.727 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VW016307.D

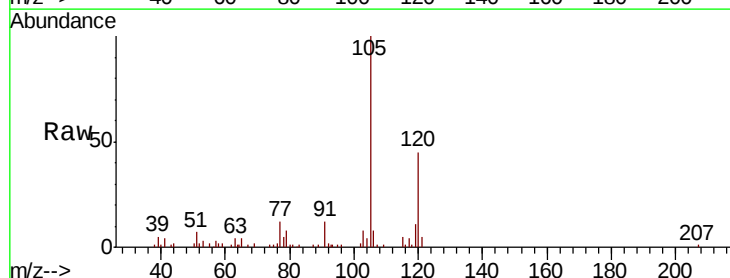
Acq: 21 Aug 2020 15:46

Tgt Ion:105 Resp: 18858

Ion Ratio Lower Upper

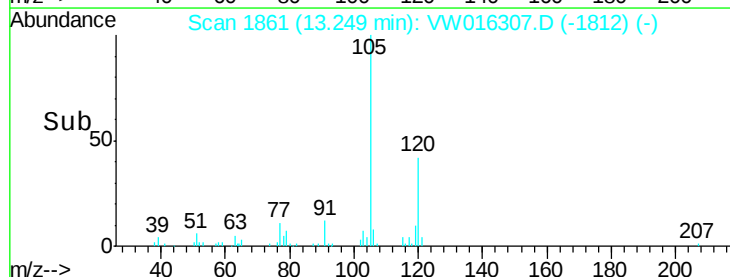
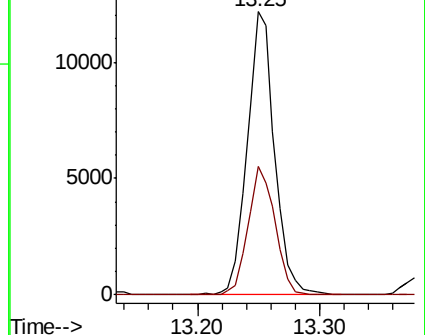
105 100

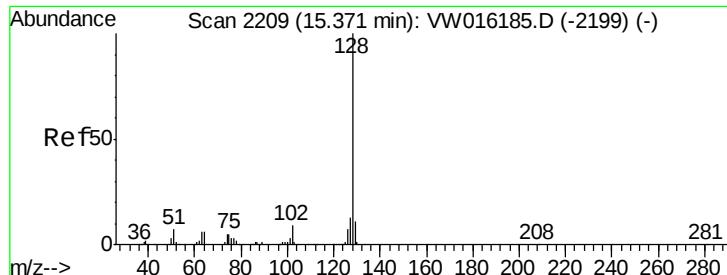
120 44.4 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

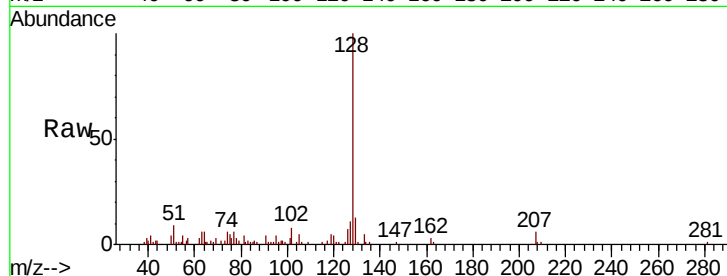
Ion 120.00 (119.70 to 120.70): V





#95
 Naphthalene
 Concen: 7.406 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.00 min
 Lab File: VW016307.D
 Acq: 21 Aug 2020 15:46

Tot Ion:128 Resp: 16209
 Ion Ratio Lower Upper
 128 100
 127 13.9 10.2 15.4
 129 14.8 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

