

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082220\
 Data File : VW016308.D
 Acq On : 21 Aug 2020 16:11
 Operator : SY/VA
 Sample : L3734-03
 Misc : 7.05G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

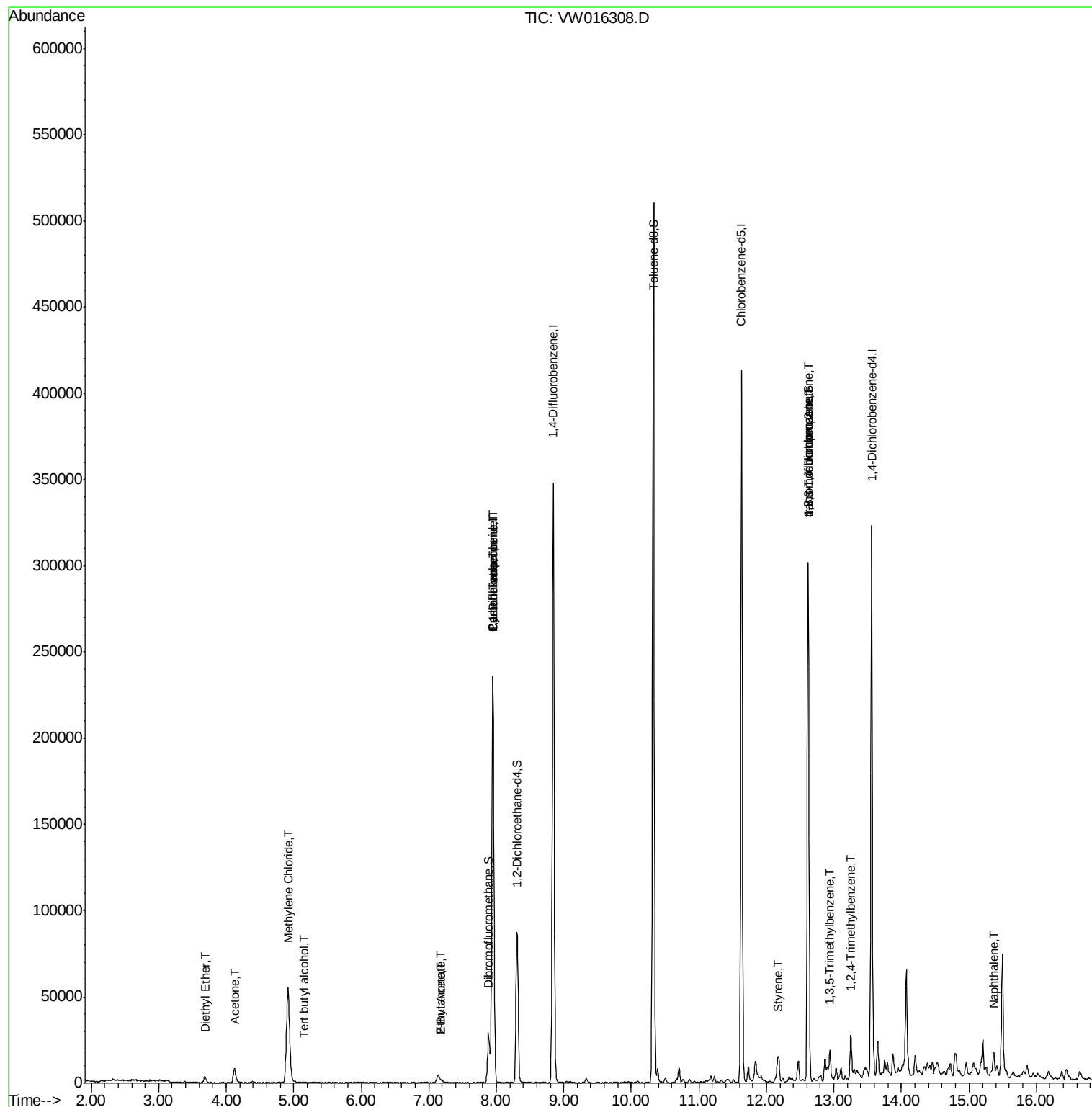
Quant Time: Aug 22 06:03:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081420S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 17 08:01:41 2020
 Response via : Initial Calibration

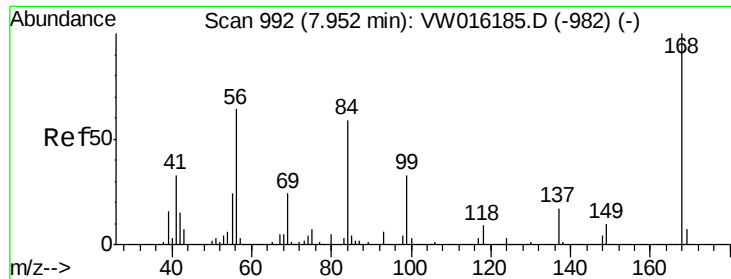
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	174684	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	307650	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	242726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	86946	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	71498	41.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.94%	
35) Dibromofluoromethane	7.88	113	21636	11.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.80%	
50) Toluene-d8	10.33	98	355256	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	
62) 4-Bromofluorobenzene	12.62	95	104011	39.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.20%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.69	74	1956	2.175	ug/l	95
11) Tert butyl alcohol	5.15	59	245	2.702	ug/l #	70
16) Acetone	4.12	43	14528	44.518	ug/l	93
20) Methylene Chloride	4.92	84	48261	20.934	ug/l	91
25) 2-Butanone	7.18	43	2691	6.153	ug/l	96
31) Cyclohexane	7.95	56	4004	1.288	ug/l #	24
36) 1,1-Dichloropropene	7.95	75	13130	4.332	ug/l #	49
37) Ethyl Acetate	7.18	43	2691	2.590	ug/l #	65
38) Carbon Tetrachloride	7.95	117	18542	6.131	ug/l #	17
70) Styrene	12.18	104	5692	1.074	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	49451	61.843	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.94	105	5903	1.038	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.62	75	49451	148.339	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.25	105	15201	2.701	ug/l	100
95) Naphthalene	15.37	128	12405	7.178	ug/l	98

(#) = 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: VW016308.D

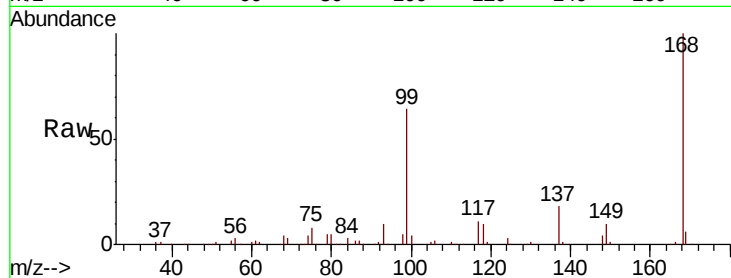
Acq: 21 Aug 2020 16:11

Tot Ion:168 Resp: 174684

Ion Ratio Lower Upper

168 100

99 64.4 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

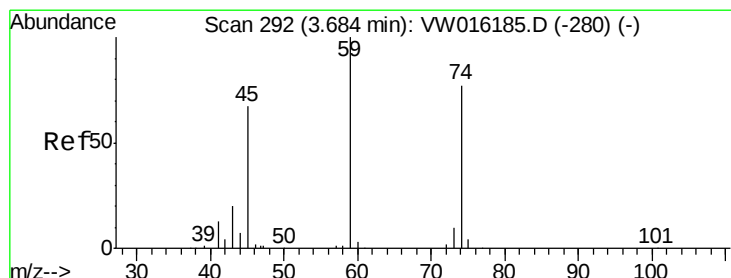
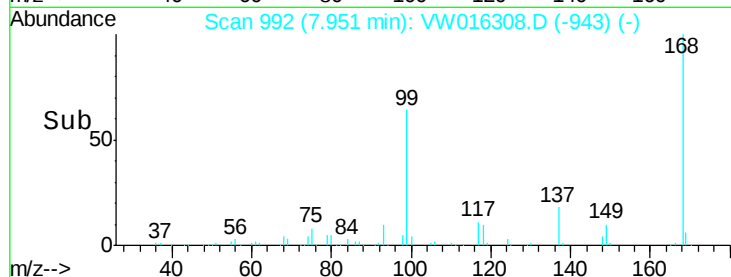
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 2.175 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.01 min

Lab File: VW016308.D

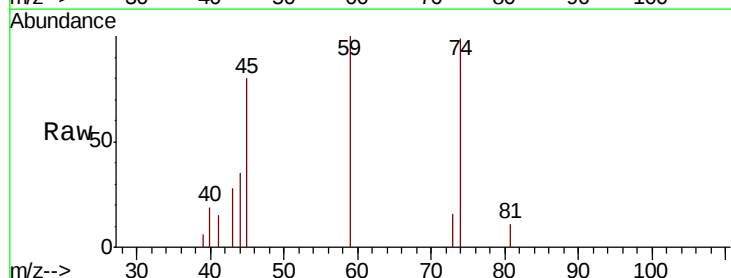
Acq: 21 Aug 2020 16:11

Tgt Ion: 74 Resp: 1956

Ion Ratio Lower Upper

74 100

45 96.8 45.9 137.7



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.69

1000

800

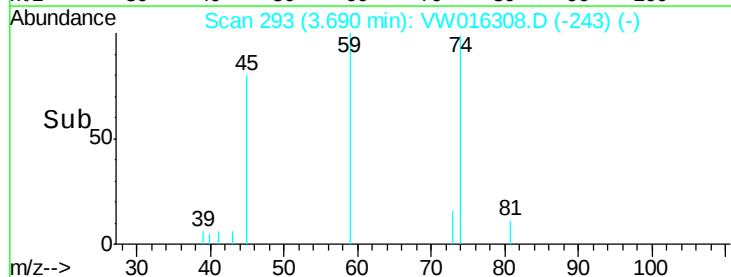
600

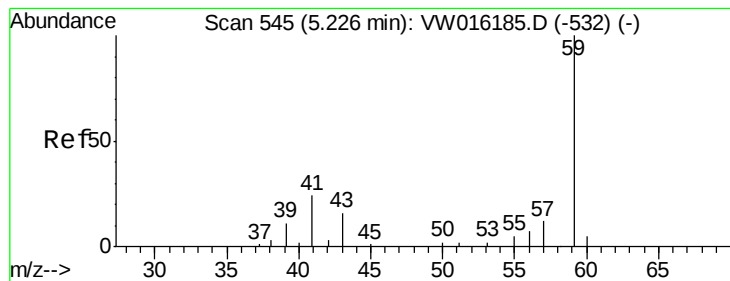
400

200

0

Time--> 3.60 3.65 3.70 3.75





#11

Tert butyl alcohol

Concen: 2.702 ug/l

RT: 5.15 min Scan# 532

Delta R.T. -0.08 min

Lab File: VW016308.D

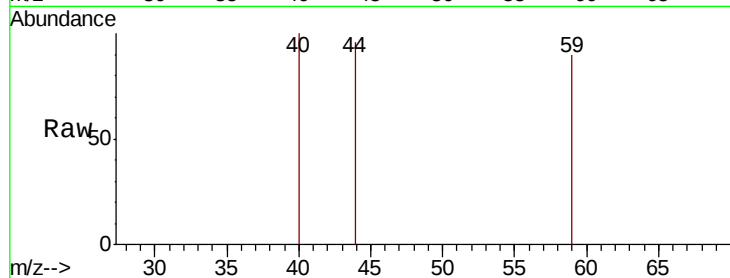
Acq: 21 Aug 2020 16:11

Tot Ion: 59 Resp: 245

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

150

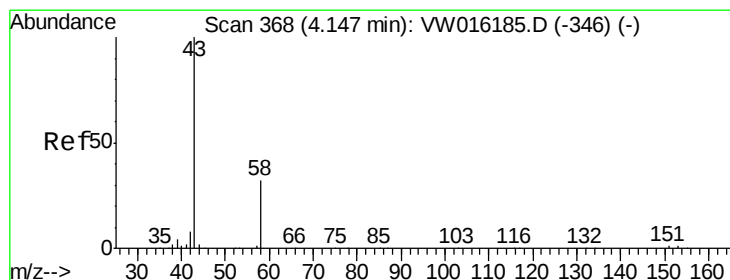
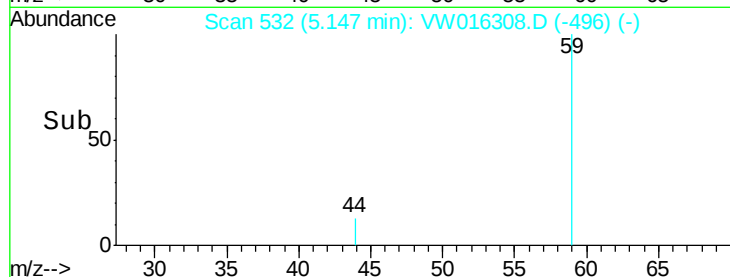
5.15

100

50

0

Time--> 5.10 5.15 5.20



#16

Acetone

Concen: 44.518 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.03 min

Lab File: VW016308.D

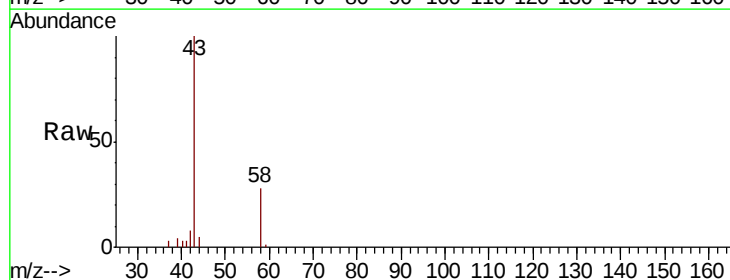
Acq: 21 Aug 2020 16:11

Tgt Ion: 43 Resp: 14528

Ion Ratio Lower Upper

43 100

58 28.1 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

6000

5000

4000

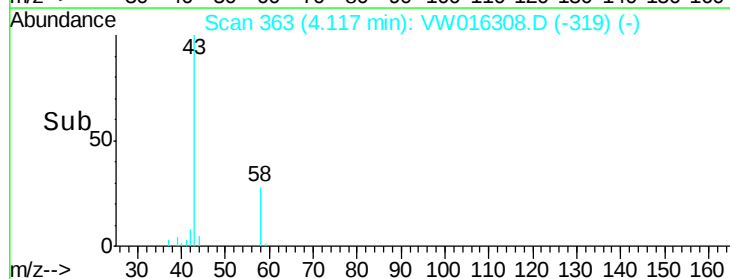
3000

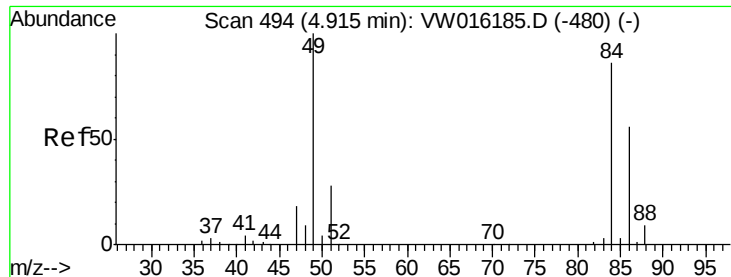
2000

1000

0

Time--> 4.00 4.05 4.10 4.15 4.20

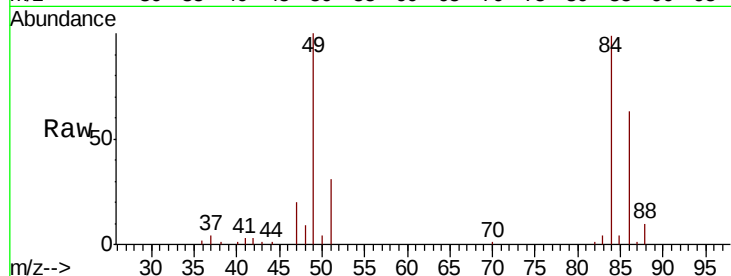




#20
Methylene Chloride
Concen: 20.934 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW016308.D
Acq: 21 Aug 2020 16:11

Tot Ion: 84 Resp: 48261

Ion	Ratio	Lower	Upper
84	100		
49	100.7	93.4	140.2
51	31.6	26.6	40.0
86	63.7	52.2	78.2



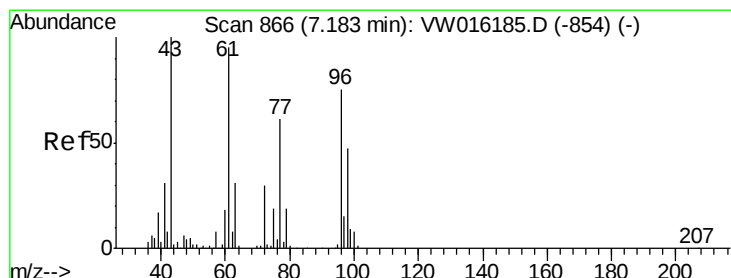
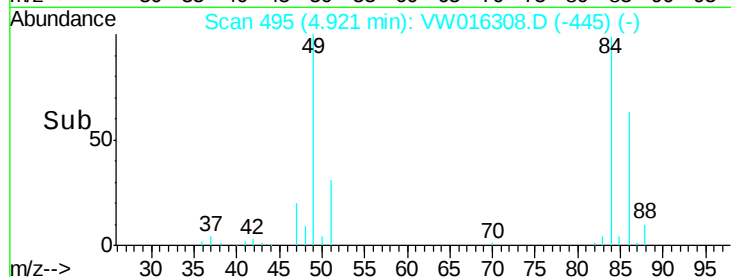
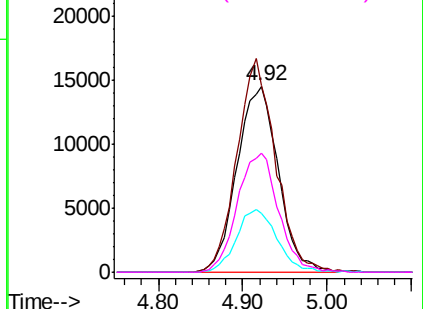
Abundance

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

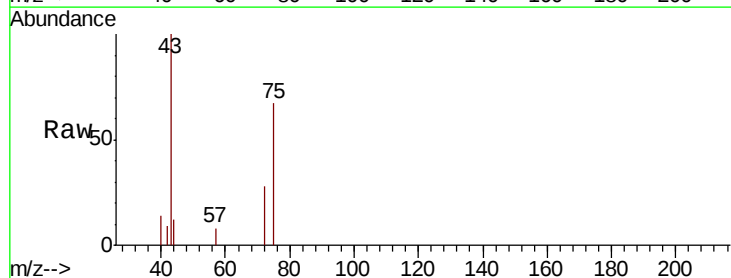
Ion 85.90 (85.60 to 86.60): VW



#25
2-Butanone
Concen: 6.153 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.01 min
Lab File: VW016308.D
Acq: 21 Aug 2020 16:11

Tgt Ion: 43 Resp: 2691

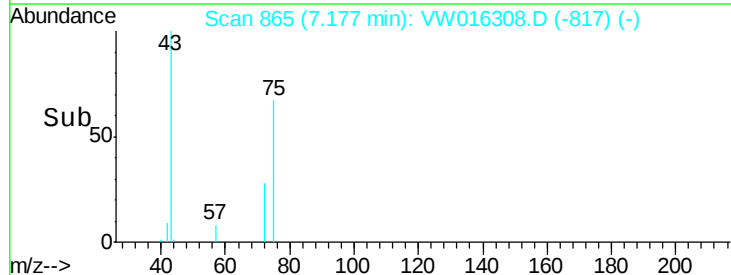
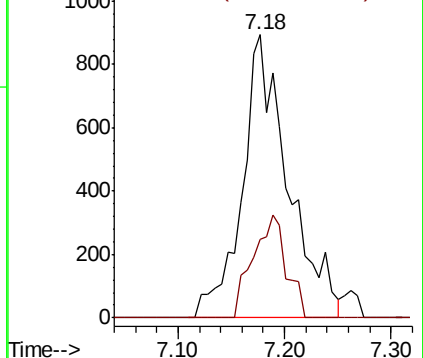
Ion	Ratio	Lower	Upper
43	100		
72	27.9	24.2	36.2

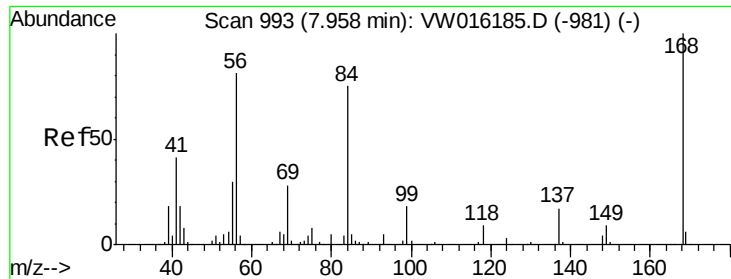


Abundance

Ion 43.00 (42.70 to 43.70): VW

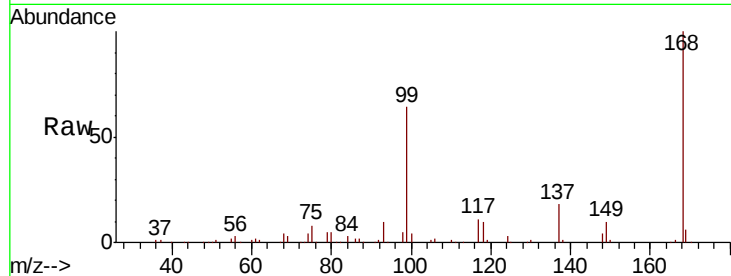
Ion 72.00 (71.70 to 72.70): VW





#31
Cyclohexane
Concen: 1.288 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW016308.D
Acq: 21 Aug 2020 16:11

Tot Ion	Ratio	Lower	Upper
56	100		
69	127.5	27.3	40.9#
84	134.1	73.5	110.3#

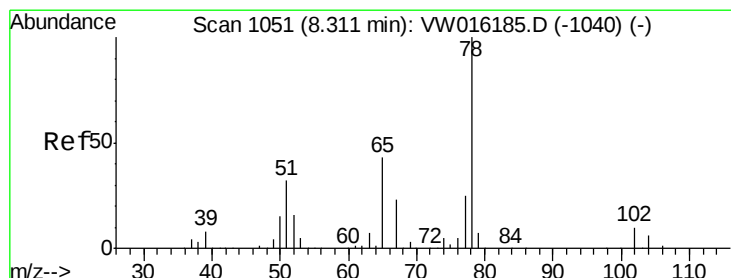
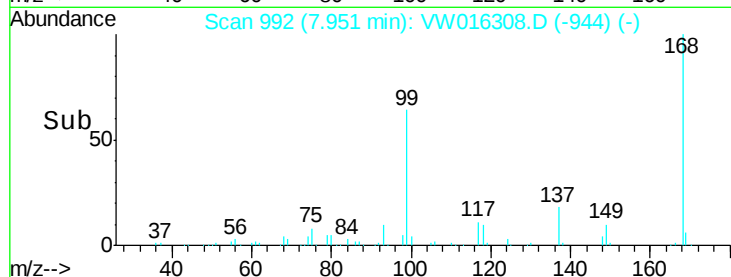
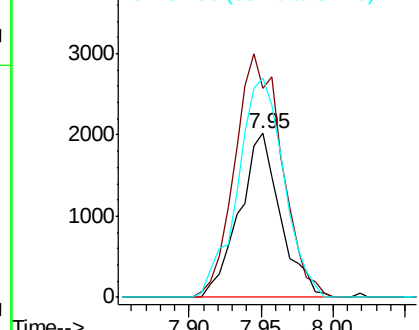


Abundance

Ion 56.00 (55.70 to 56.70): VW

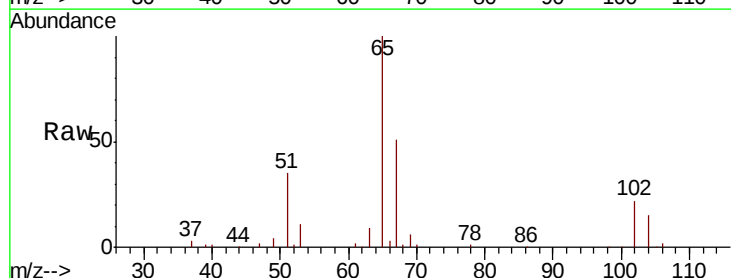
Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#33
1,2-Dichloroethane-d4
Concen: 41.971 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VW016308.D
Acq: 21 Aug 2020 16:11

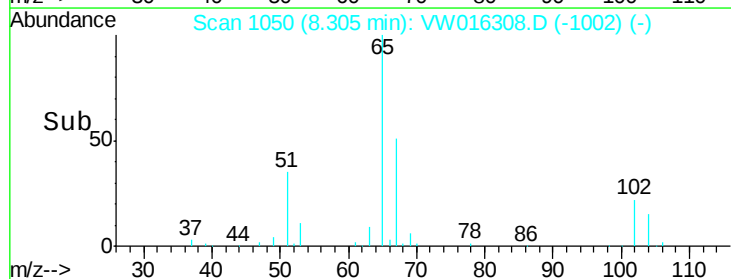
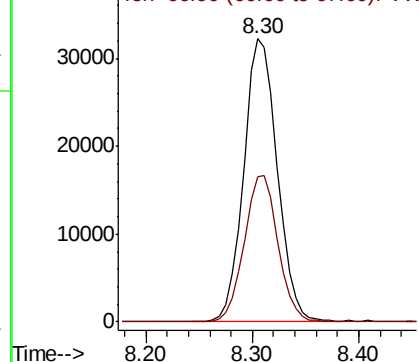
Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	105.6

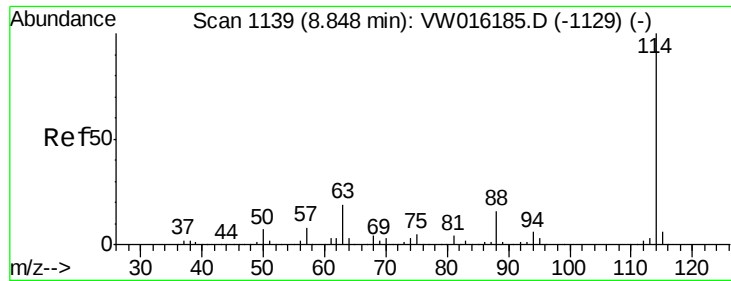


Abundance

Ion 64.90 (64.60 to 65.60): VW

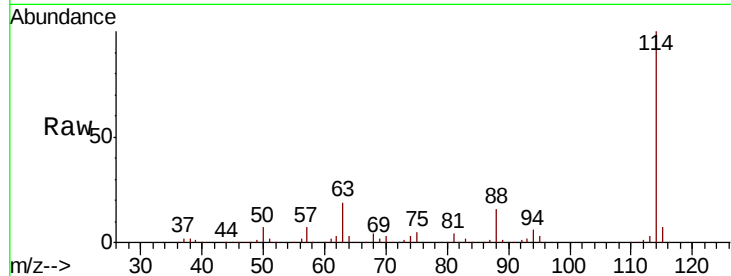
Ion 66.90 (66.60 to 67.60): VW





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.85 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VW016308.D
Acq: 21 Aug 2020 16:11

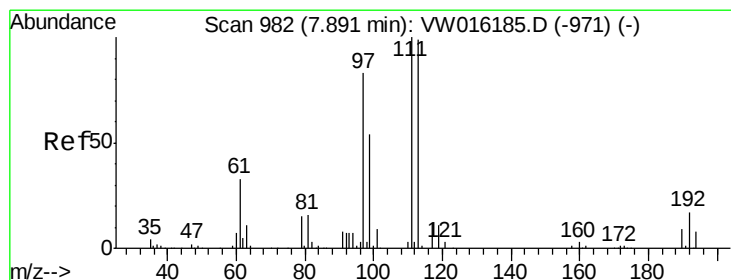
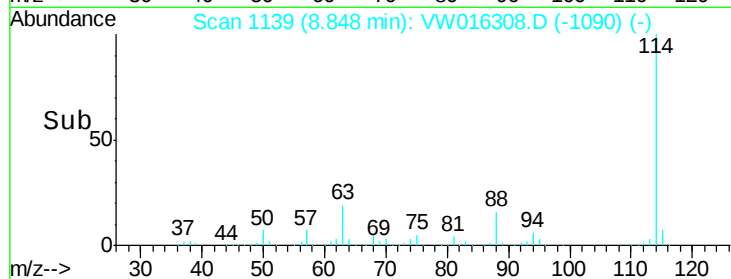
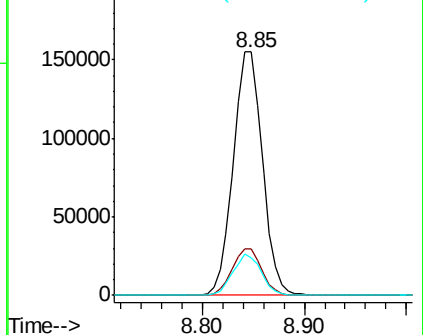
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	38.4
88	15.6	0.0	32.8



Abundance Ion 113.90 (113.60 to 114.60): V

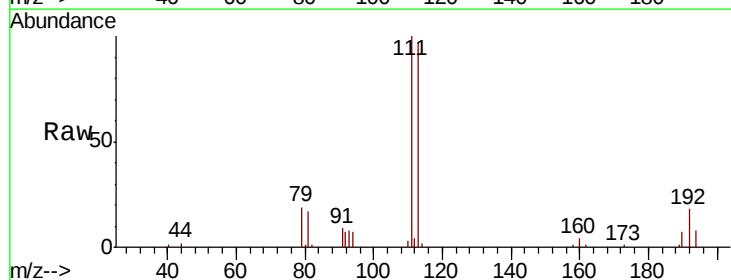
Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35
Dibromofluoromethane
Concen: 11.398 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.01 min
Lab File: VW016308.D
Acq: 21 Aug 2020 16:11

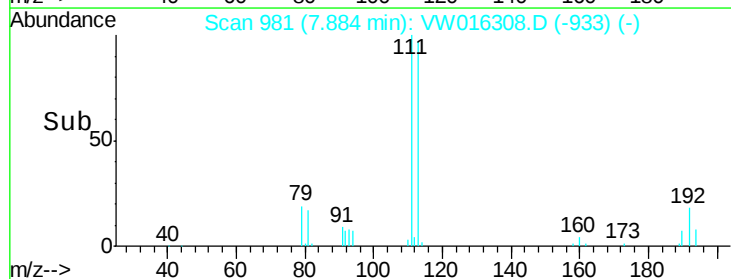
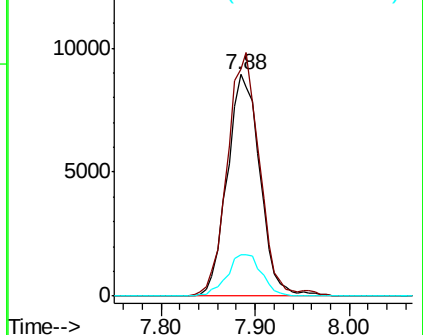
Tgt Ion	Ratio	Lower	Upper
113	100		
111	106.9	83.5	125.3
192	19.6	14.3	21.5

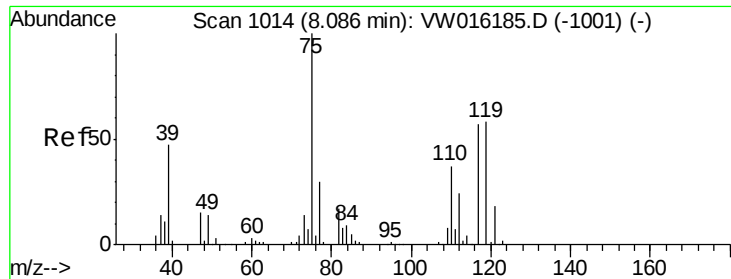


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

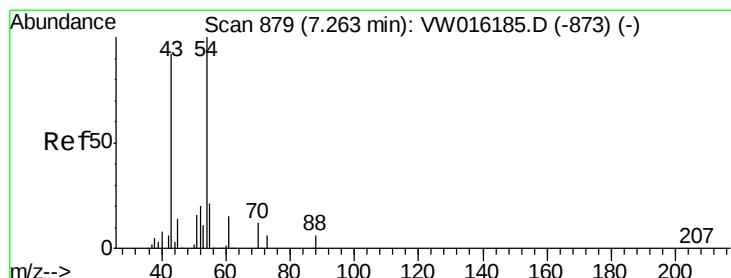
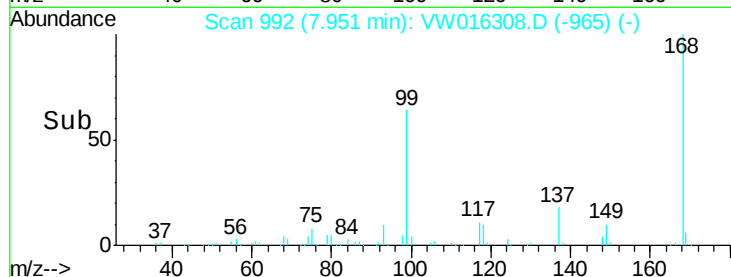
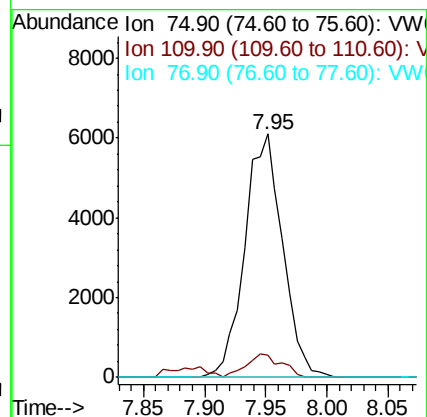
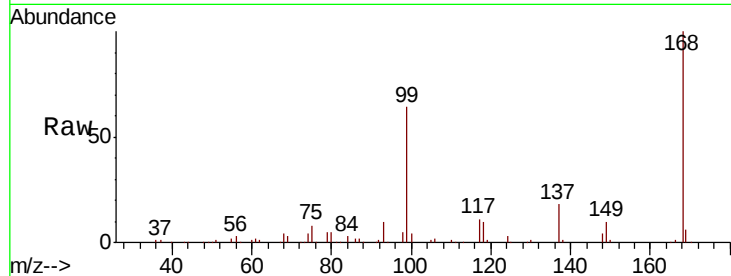
Ion 191.70 (191.40 to 192.40): V





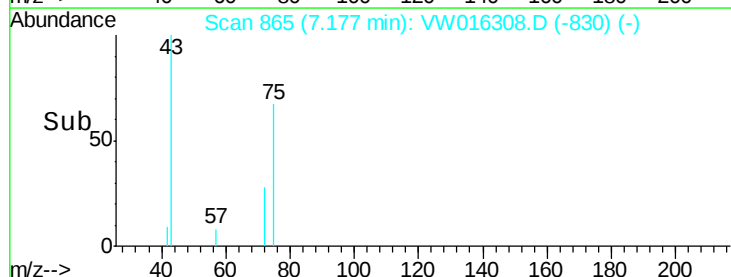
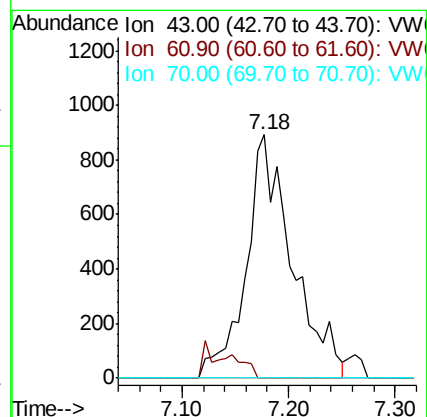
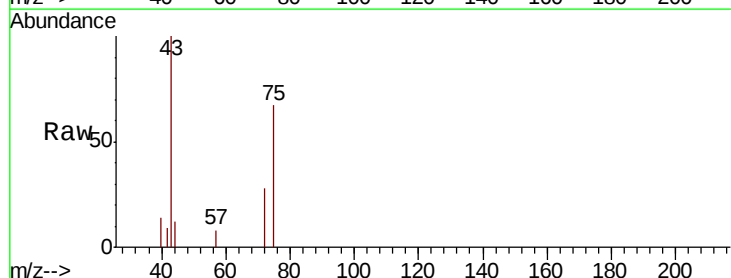
#36
 1,1-Dichloropropene
 Concen: 4.332 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW016308.D
 Acq: 21 Aug 2020 16:11

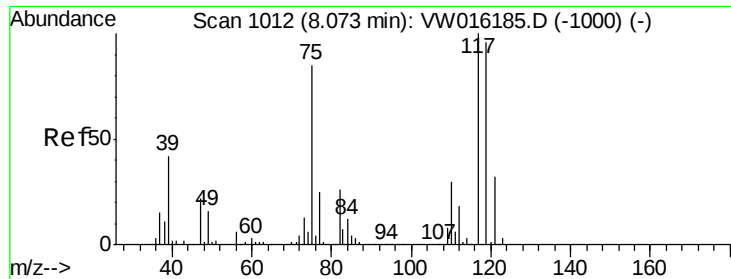
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.1	54.3#
77	0.0	24.7	37.1#



#37
 Ethyl Acetate
 Concen: 2.590 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.09 min
 Lab File: VW016308.D
 Acq: 21 Aug 2020 16:11

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





#38

Carbon Tetrachloride

Concen: 6.131 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW016308.D

Acq: 21 Aug 2020 16:11

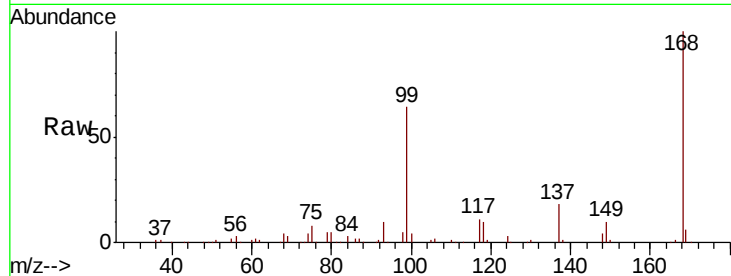
Tot Ion: 117 Resp: 18542

Ion Ratio Lower Upper

117 100

119 6.0 76.6 115.0#

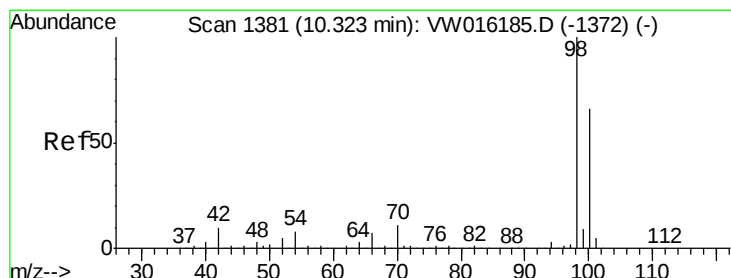
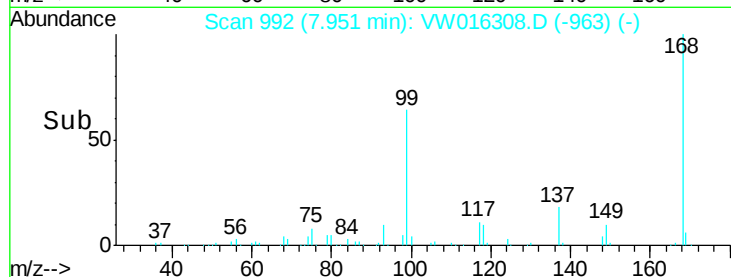
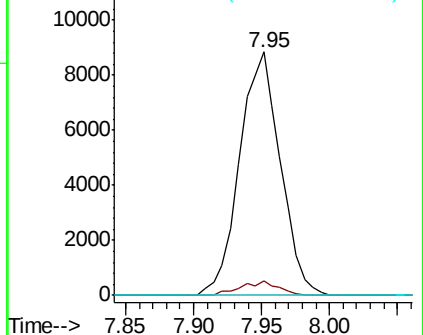
121 0.0 25.4 38.0#



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: 48.349 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VW016308.D

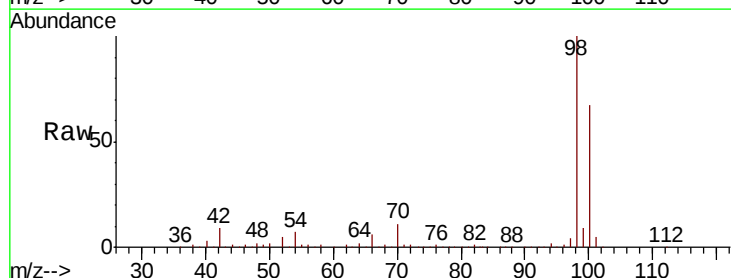
Acq: 21 Aug 2020 16:11

Tgt Ion: 98 Resp: 355256

Ion Ratio Lower Upper

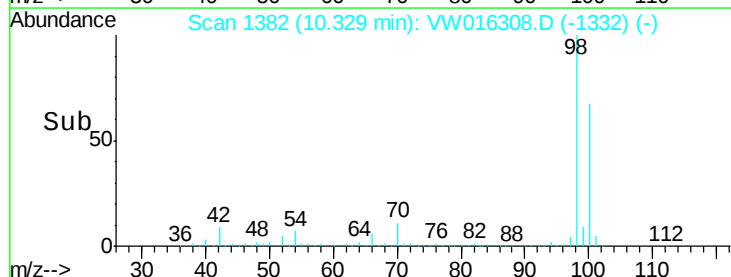
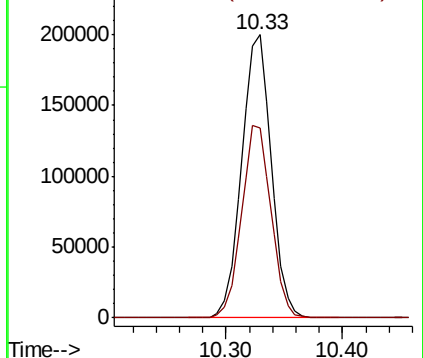
98 100

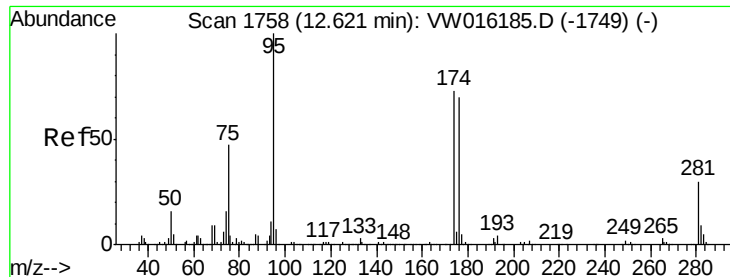
100 67.6 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 39.601 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW016308.D

Acq: 21 Aug 2020 16:11

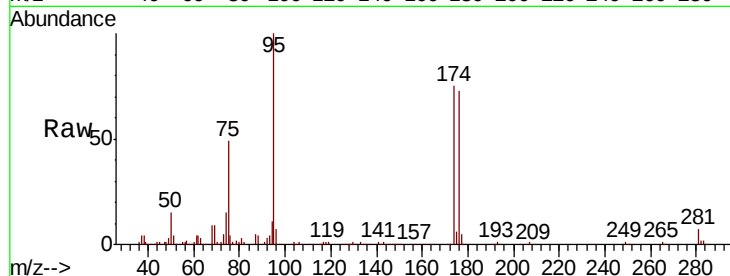
Tot Ion: 95 Resp: 104011

Ion Ratio Lower Upper

95 100

174 74.8 0.0 145.6

176 71.5 0.0 137.8



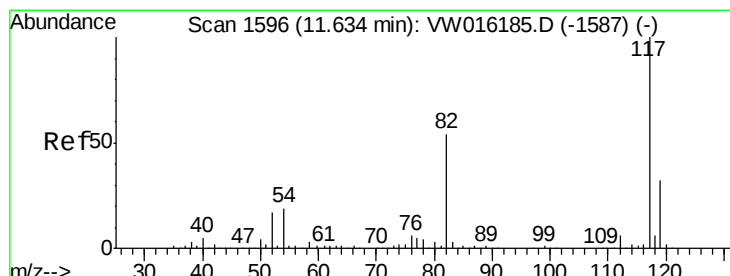
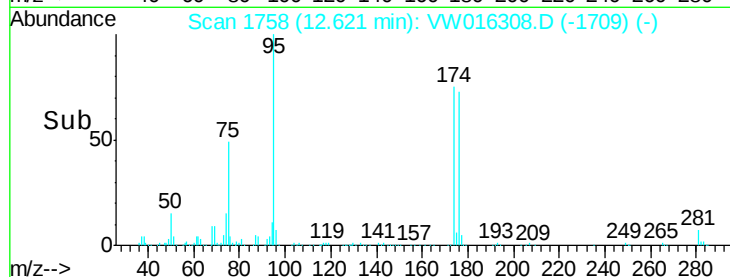
Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW

12.62

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW016308.D

Acq: 21 Aug 2020 16:11

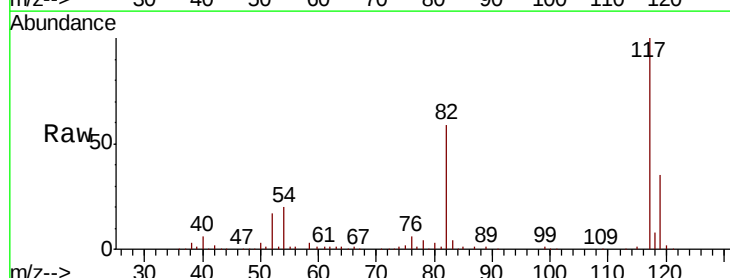
Tgt Ion: 117 Resp: 242726

Ion Ratio Lower Upper

117 100

82 58.8 43.6 65.4

119 35.4 25.4 38.0



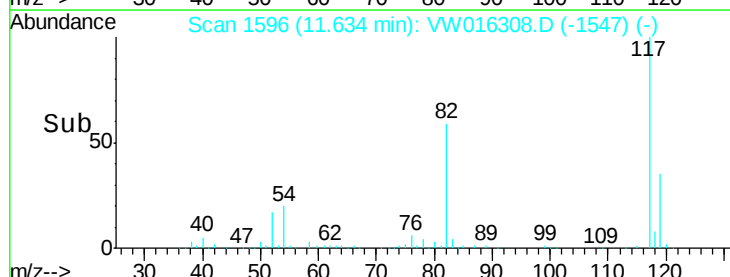
Abundance Ion 116.90 (116.60 to 117.60): VW

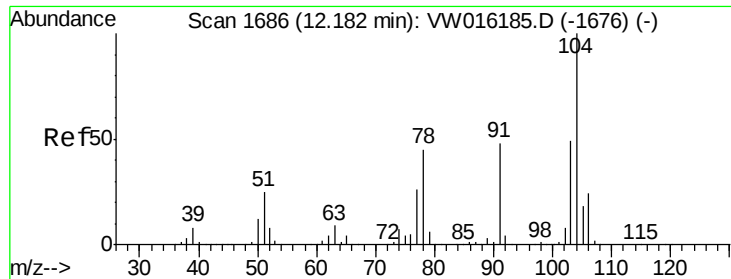
Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

11.63

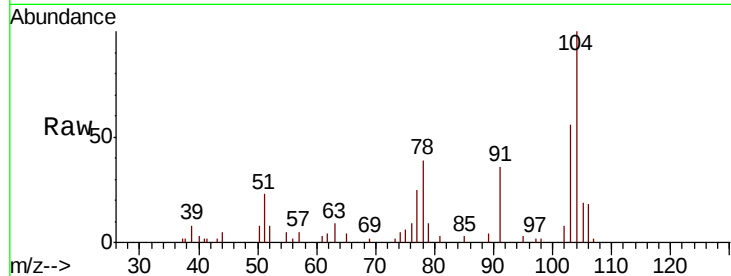
Time-->



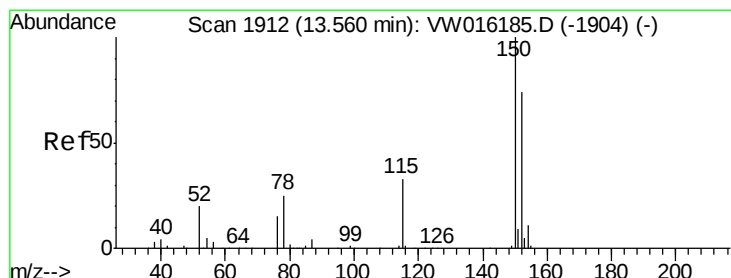
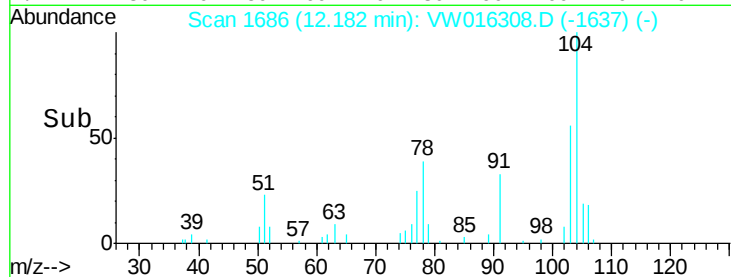
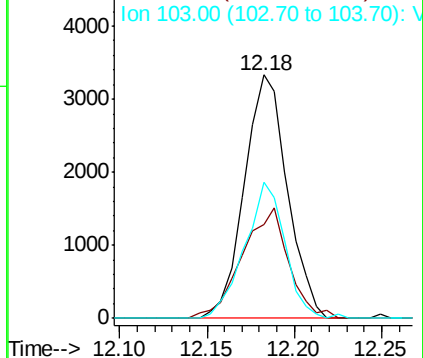


#70
Stvrene
Concen: 1.074 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW016308.D
Acq: 21 Aug 2020 16:11

Tot Ion:104 Resp: 5692
Ion Ratio Lower Upper
104 100
78 49.1 39.4 59.2
103 52.4 42.9 64.3

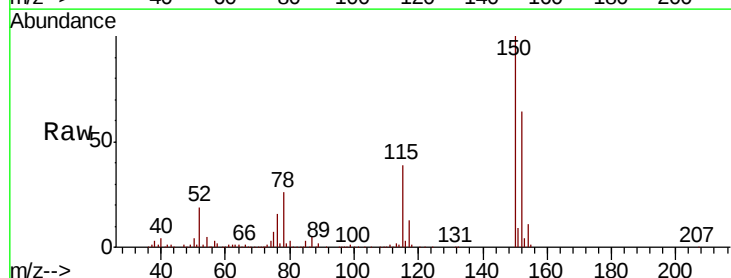


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

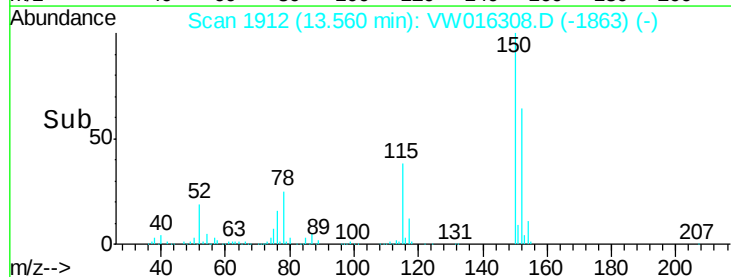
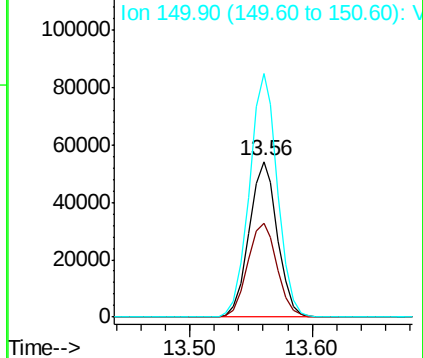


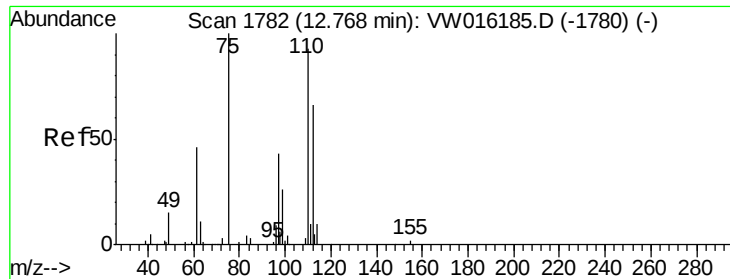
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW016308.D
Acq: 21 Aug 2020 16:11

Tgt Ion:152 Resp: 86946
Ion Ratio Lower Upper
152 100
115 63.2 30.9 92.5
150 155.2 0.0 337.8



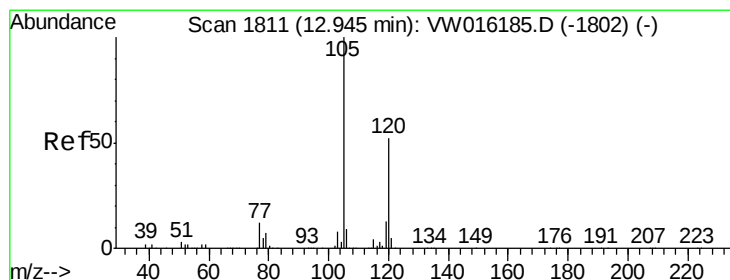
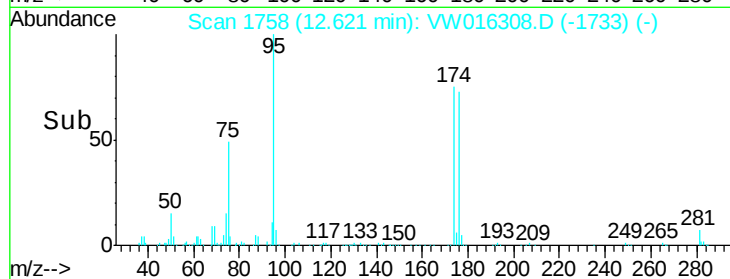
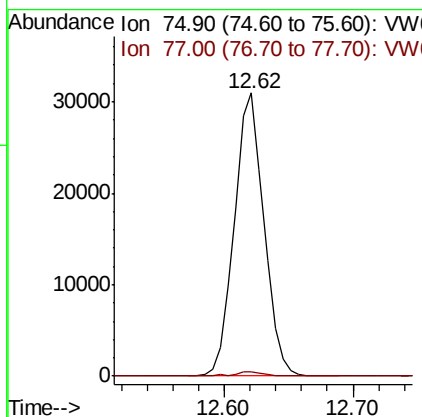
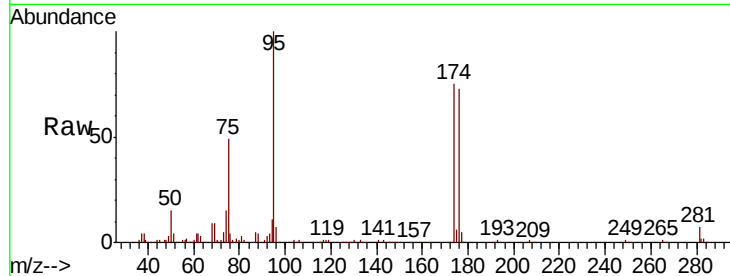
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





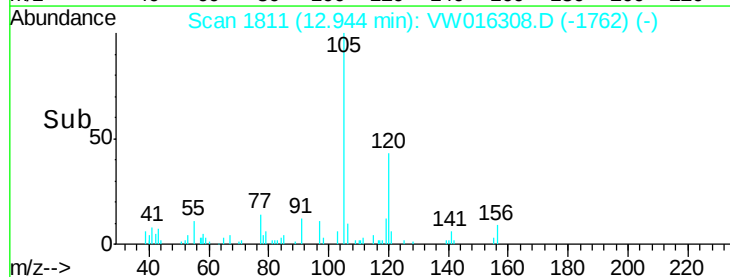
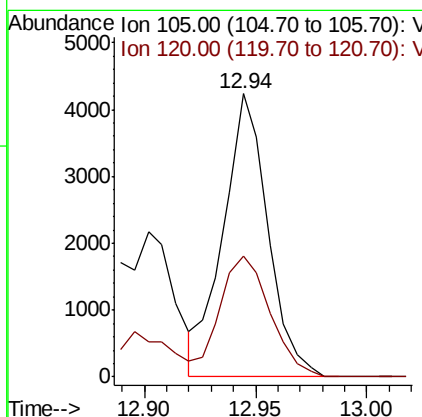
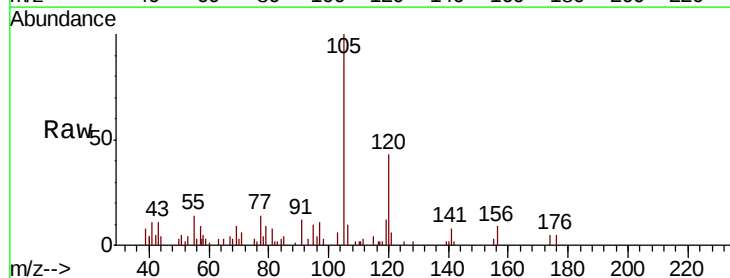
#76
 1,2,3-Trichloropropane
 Concen: 61.843 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW016308.D
 Acq: 21 Aug 2020 16:11

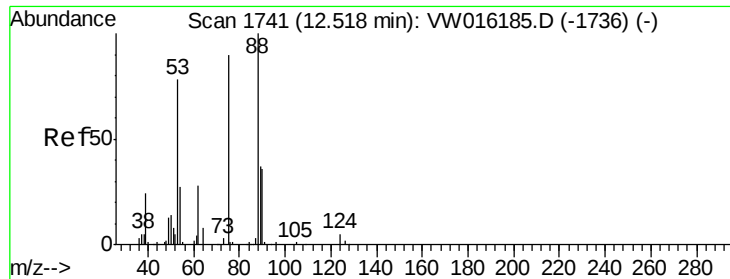
Tot Ion: 75 Resp: 49451
 Ion Ratio Lower Upper
 75 100
 77 1.6 173.6 520.6#



#80
 1,3,5-Trimethylbenzene
 Concen: 1.038 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW016308.D
 Acq: 21 Aug 2020 16:11

Tgt Ion: 105 Resp: 5903
 Ion Ratio Lower Upper
 105 100
 120 48.2 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 148.339 ug/l

RT: 12.62 min Scan# 1758

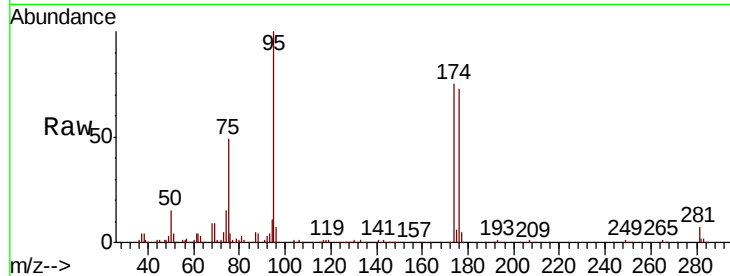
Delta R.T. 0.10 min

Lab File: VW016308.D

Acq: 21 Aug 2020 16:11

Tot Ion: 75 Resp: 49451

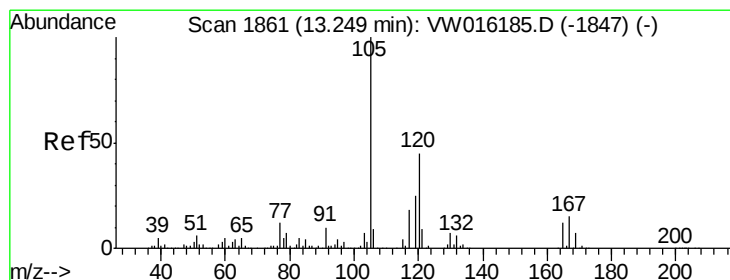
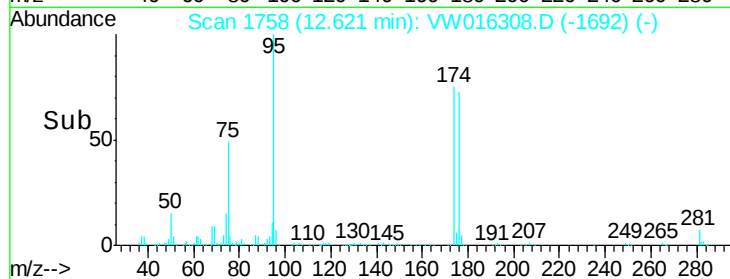
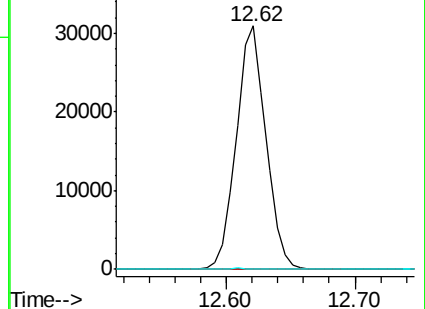
Ion	Ratio	Lower	Upper
75	100		
53	0.0	74.6	111.8#
89	0.2	37.2	55.8#



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: 2.701 ug/l

RT: 13.25 min Scan# 1861

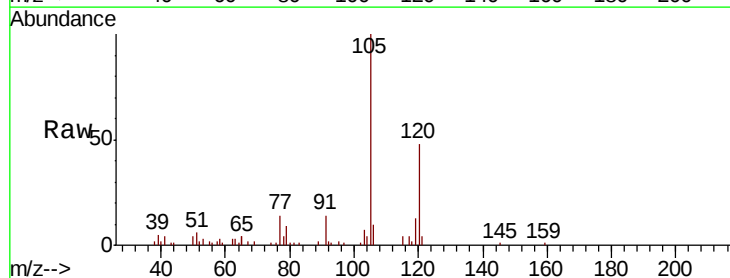
Delta R.T. -0.00 min

Lab File: VW016308.D

Acq: 21 Aug 2020 16:11

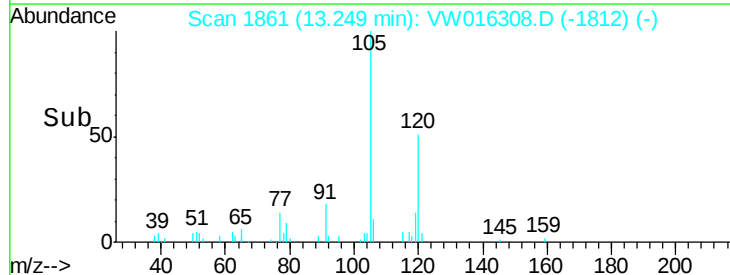
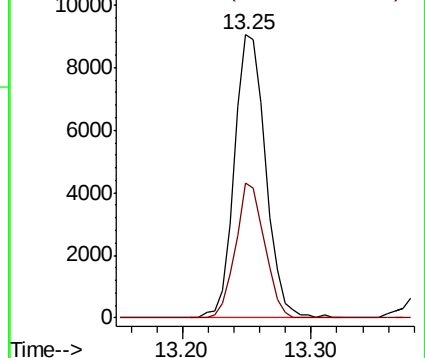
Tgt Ion:105 Resp: 15201

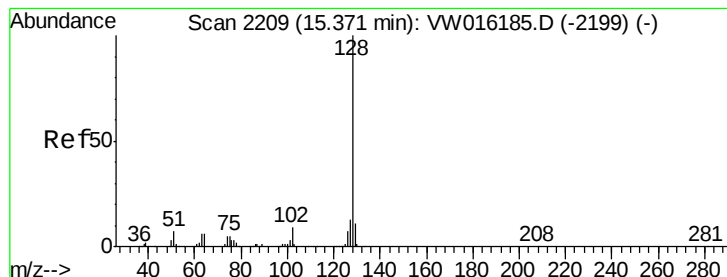
Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.2	66.6



Abundance Ion 105.00 (104.70 to 105.70): V

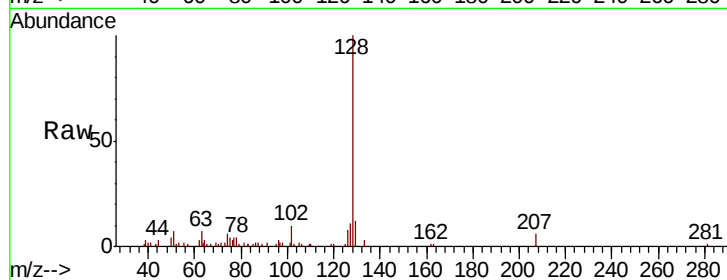
Ion 120.00 (119.70 to 120.70): V





#95
 Naphthalene
 Concen: 7.178 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.00 min
 Lab File: VW016308.D
 Acq: 21 Aug 2020 16:11

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	12.1	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

