

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082220\
 Data File : VW016303.D
 Acq On : 21 Aug 2020 14:04
 Operator : SY/VA
 Sample : L3746-01
 Misc : 7.54G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 22 06:02:20 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	168563	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	289282	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	251795	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	104812	50.00	ug/l	0.00

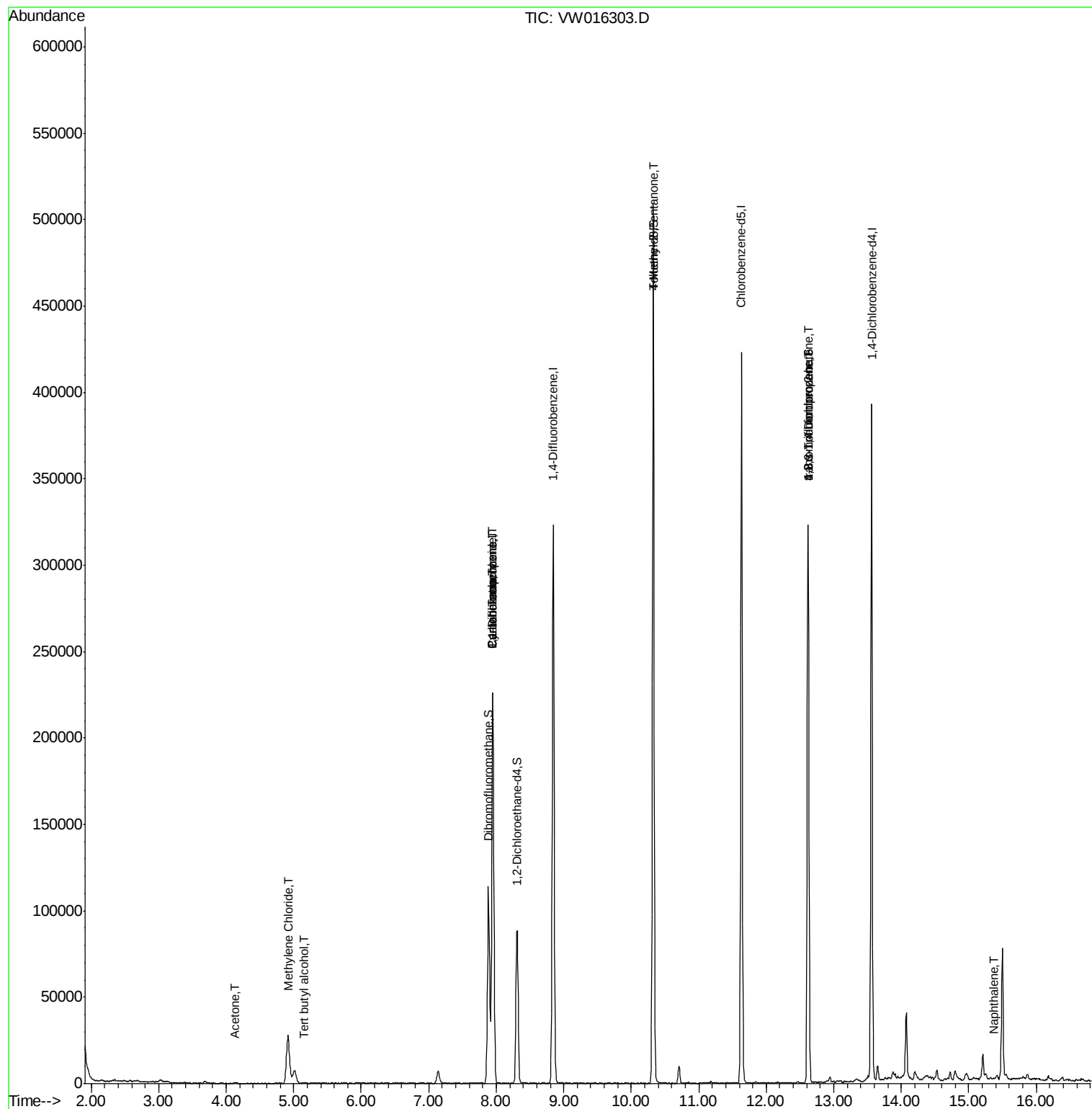
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	73692	44.83	ug/l	0.00
Spiked Amount			Recovery	=	89.66%	
35) Dibromofluoromethane	7.88	113	83268	46.65	ug/l	0.00
Spiked Amount			Recovery	=	93.30%	
50) Toluene-d8	10.32	98	346447	50.14	ug/l	0.00
Spiked Amount			Recovery	=	100.28%	
62) 4-Bromofluorobenzene	12.62	95	113290	45.87	ug/l	0.00
Spiked Amount			Recovery	=	91.74%	

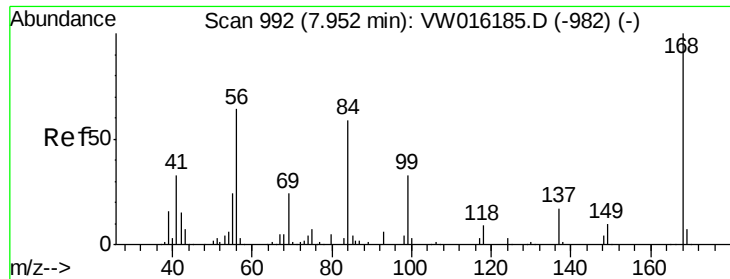
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.14	59	125	1.429	ug/l #	70
16) Acetone	4.13	43	616	1.956	ug/l	91
20) Methylene Chloride	4.92	84	24001	8.131	ug/l	93
31) Cyclohexane	7.95	56	3160	1.053	ug/l #	7
36) 1,1-Dichloropropene	7.95	75	12747	4.473	ug/l #	49
38) Carbon Tetrachloride	7.95	117	16407	5.769	ug/l #	17
51) 4-Methyl-2-Pentanone	10.32	43	1241	1.335	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	53918	55.936	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	53918	134.169	ug/l #	12
95) Naphthalene	15.36	128	933	3.802	ug/l #	69

(#) = 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# 991

Delta R.T. -0.01 min

Lab File: VW016303.D

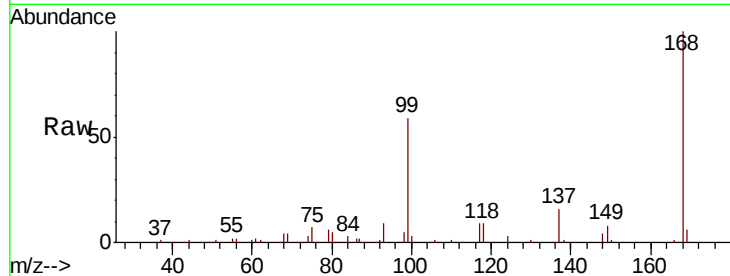
Acq: 21 Aug 2020 14:04

Tot Ion:168 Resp: 168563

Ion Ratio Lower Upper

168 100

99 59.2 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

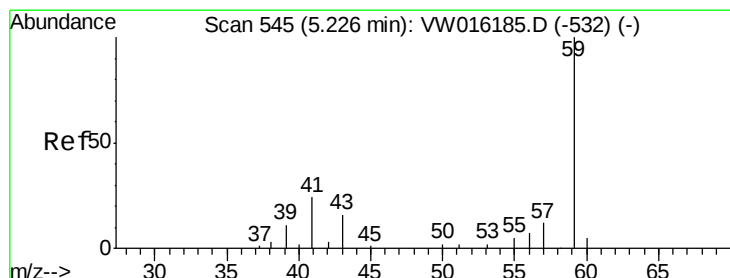
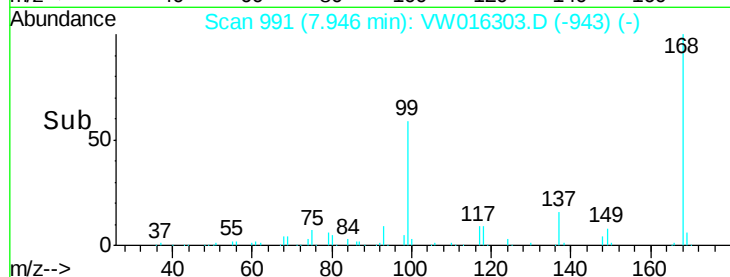
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 1.429 ug/l

RT: 5.14 min Scan# 531

Delta R.T. -0.08 min

Lab File: VW016303.D

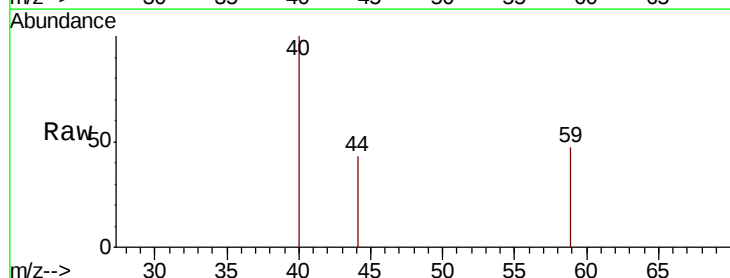
Acq: 21 Aug 2020 14:04

Tgt Ion: 59 Resp: 125

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

5.14

100

80

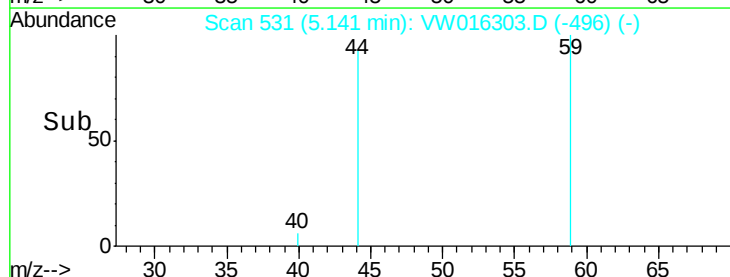
60

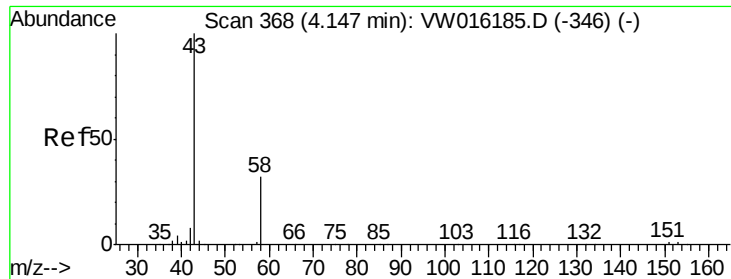
40

20

0

Time--> 5.12 5.14 5.16 5.18





#16

Acetone

Concen: 1.956 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.02 min

Lab File: VW016303.D

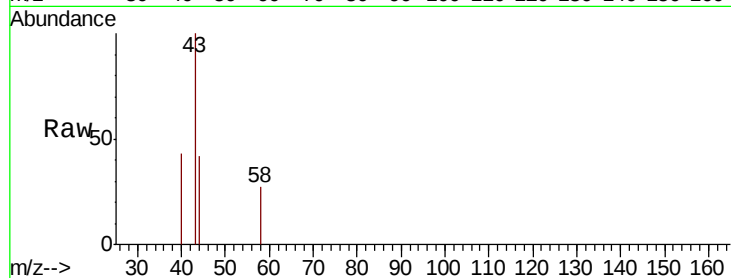
Acq: 21 Aug 2020 14:04

Tot Ion: 43 Resp: 616

Ion Ratio Lower Upper

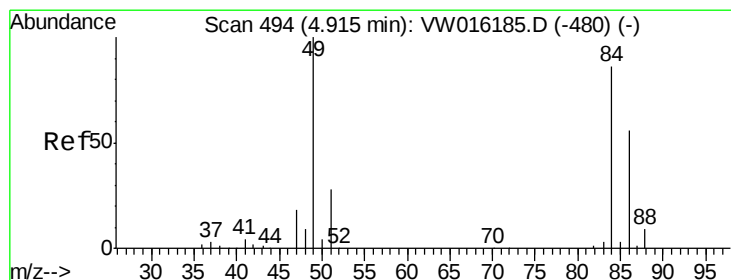
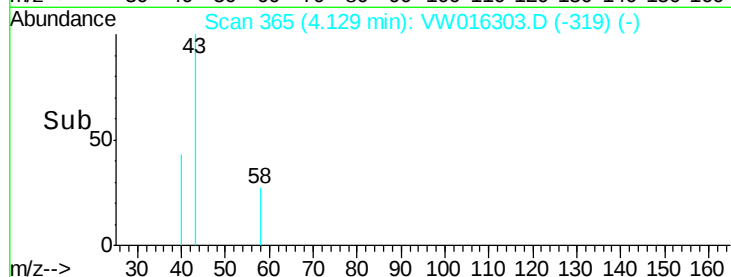
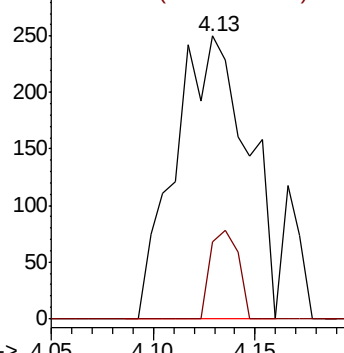
43 100

58 27.2 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 8.131 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW016303.D

Acq: 21 Aug 2020 14:04

Tgt Ion: 84 Resp: 24001

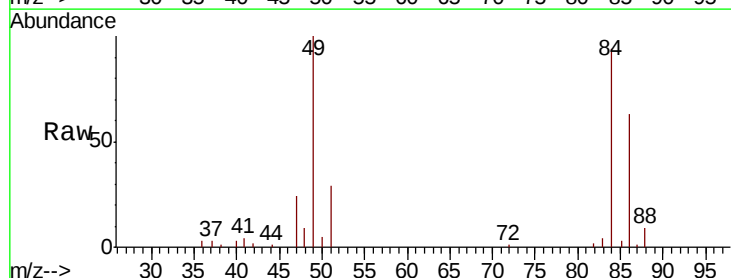
Ion Ratio Lower Upper

84 100

49 106.1 93.4 140.2

51 31.2 26.6 40.0

86 67.1 52.2 78.2

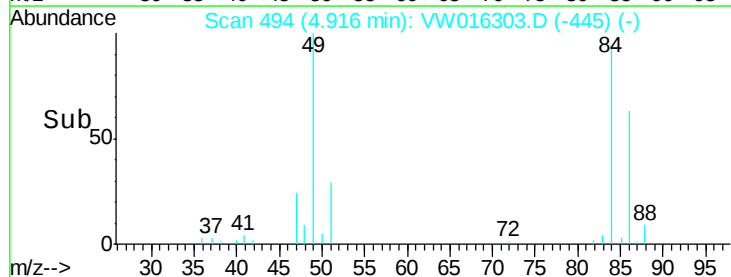
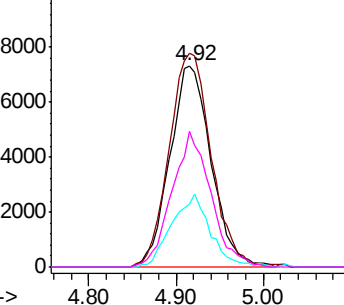


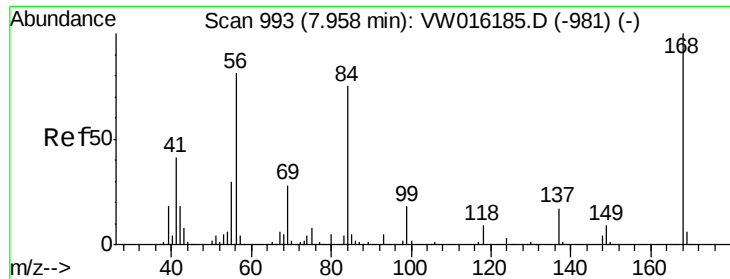
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

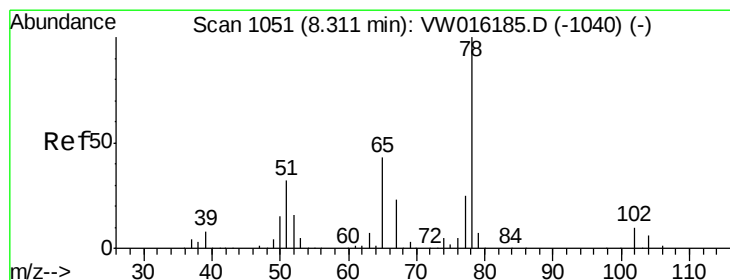
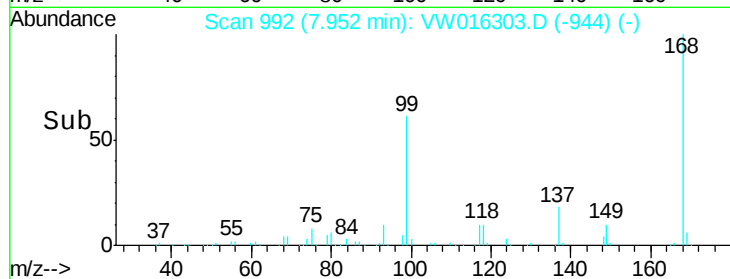
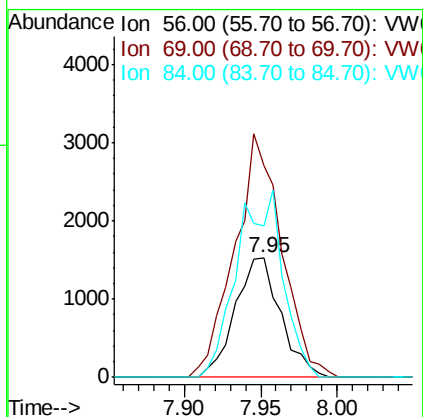
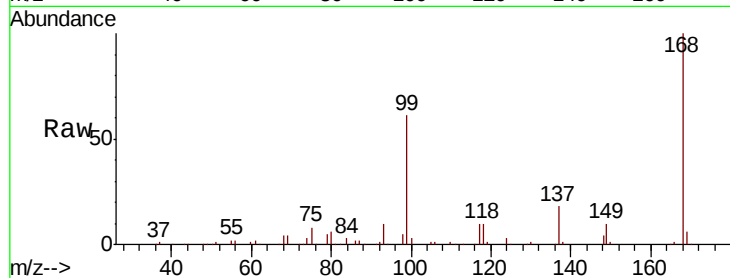
Ion 85.90 (85.60 to 86.60): VW





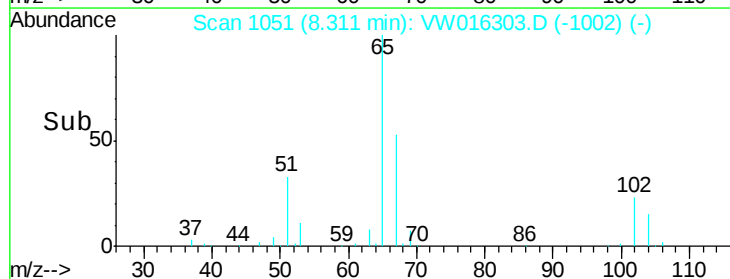
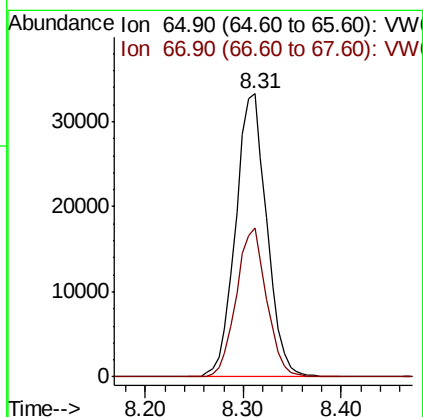
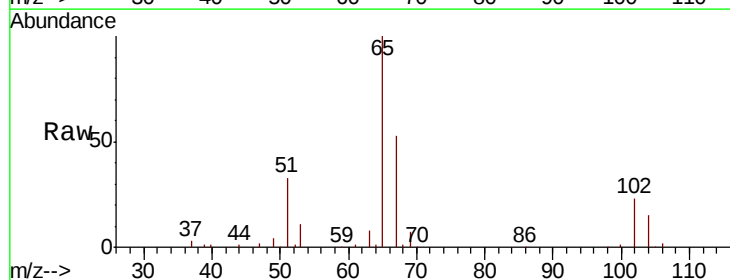
#31
Cyclohexane
Concen: 1.053 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW016303.D
Acq: 21 Aug 2020 14:04

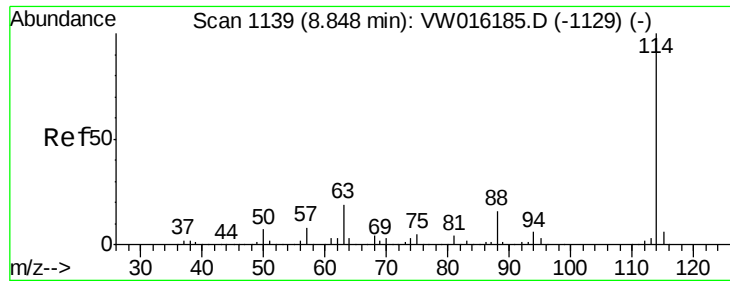
Tot Ion: 56 Resp: 3160
Ion Ratio Lower Upper
56 100
69 176.8 27.3 40.9#
84 125.9 73.5 110.3#



#33
1,2-Dichloroethane-d4
Concen: 44.830 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VW016303.D
Acq: 21 Aug 2020 14:04

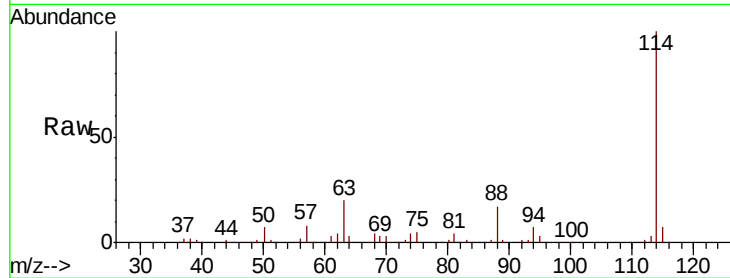
Tgt Ion: 65 Resp: 73692
Ion Ratio Lower Upper
65 100
67 50.9 0.0 105.6



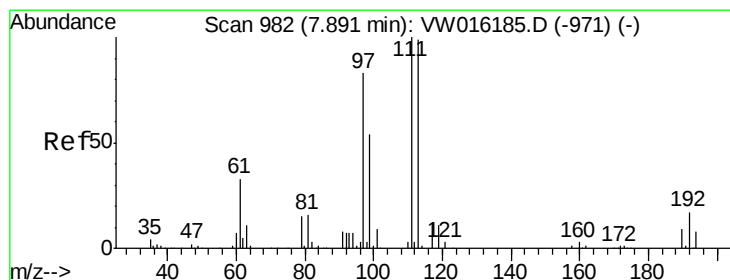
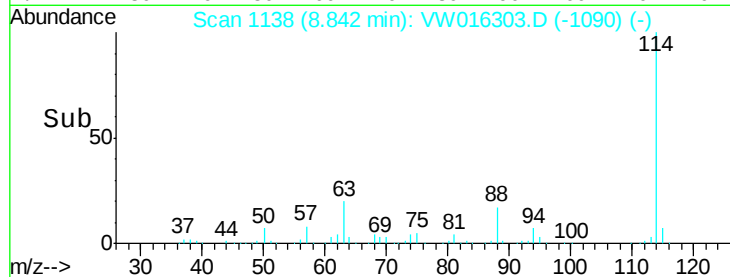
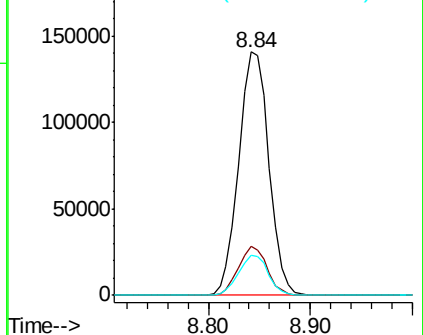


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VW016303.D
Acq: 21 Aug 2020 14:04

Tot Ion:114 Resp: 289282
Ion Ratio Lower Upper
114 100
63 20.2 0.0 38.4
88 16.7 0.0 32.8

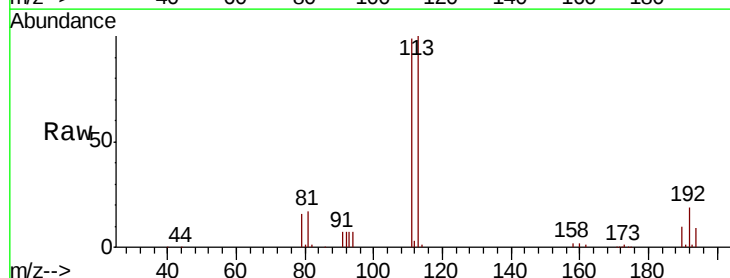


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

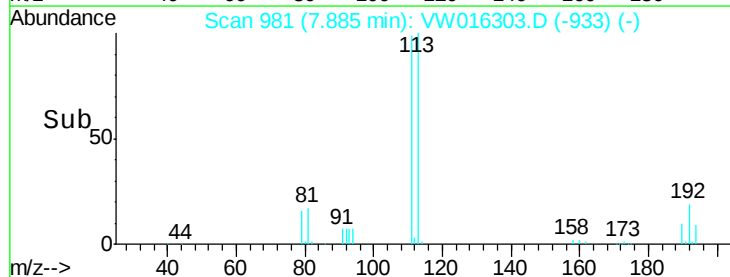
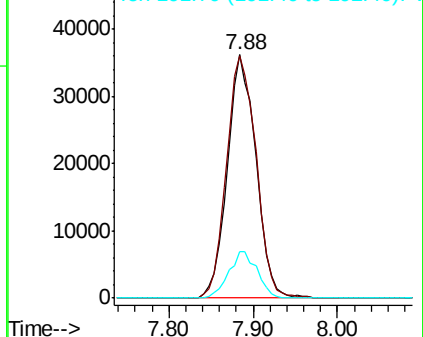


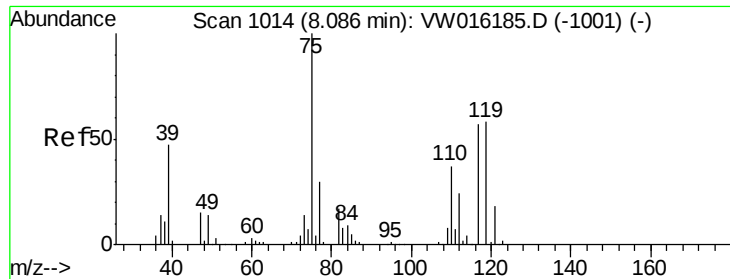
#35
Dibromofluoromethane
Concen: 46.652 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.01 min
Lab File: VW016303.D
Acq: 21 Aug 2020 14:04

Tgt Ion:113 Resp: 83268
Ion Ratio Lower Upper
113 100
111 103.2 83.5 125.3
192 19.1 14.3 21.5



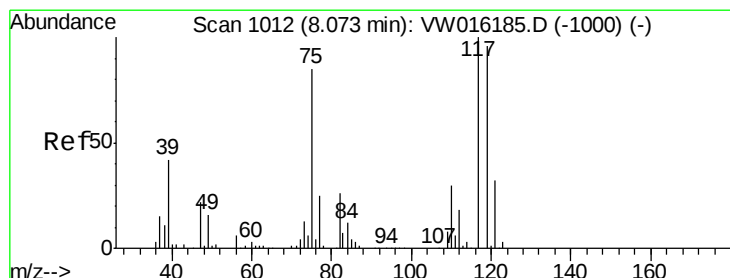
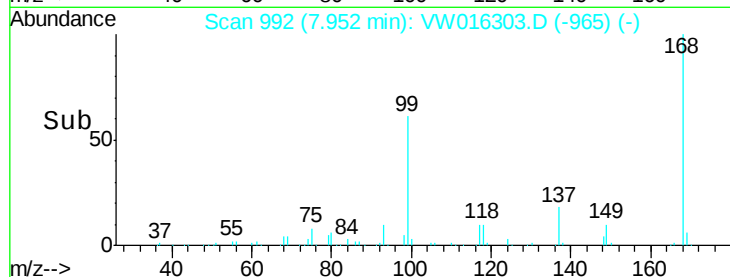
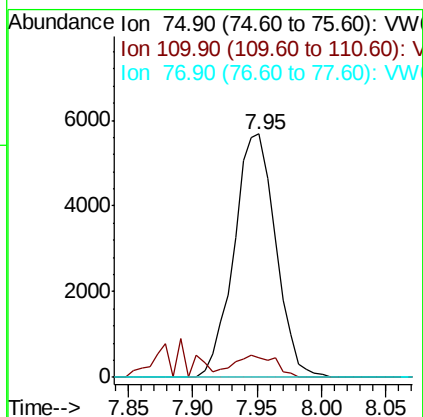
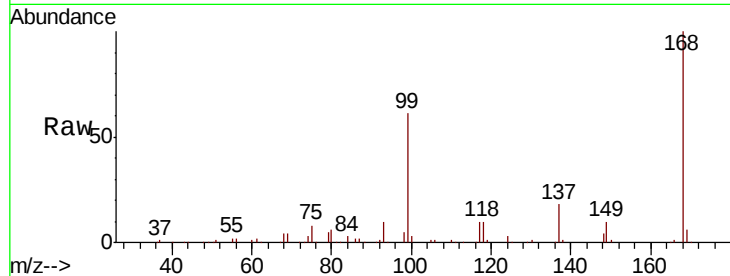
Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





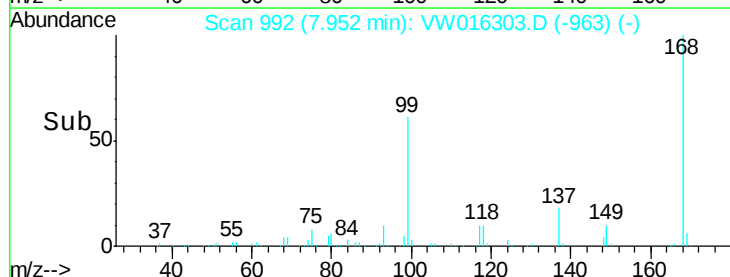
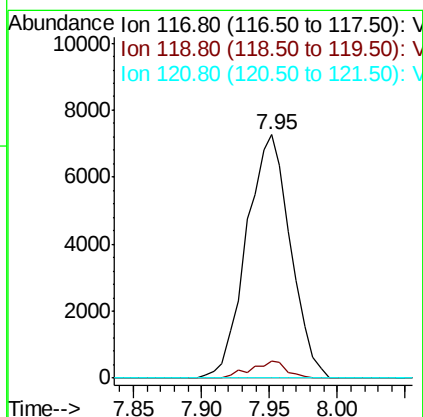
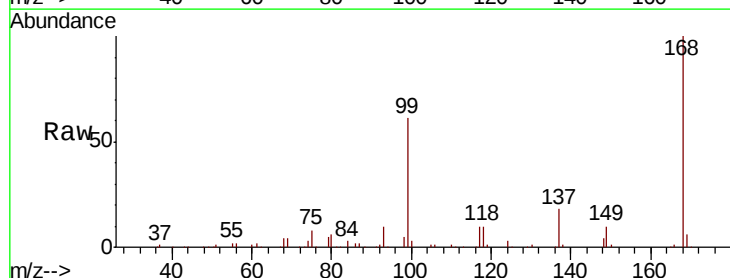
#36
 1,1-Dichloropropene
 Concen: 4.473 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW016303.D
 Acq: 21 Aug 2020 14:04

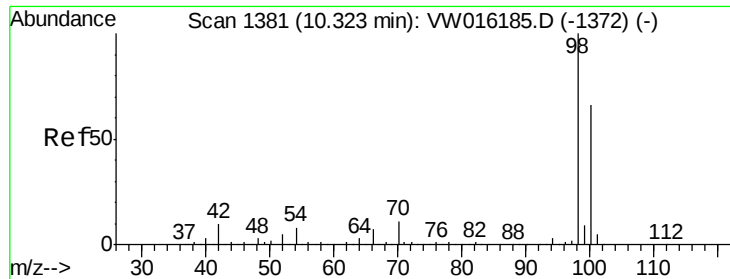
Tot Ion	75	Resp	12747
Ion Ratio	100	Lower	Upper
110	8.8	18.1	54.3#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 5.769 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW016303.D
 Acq: 21 Aug 2020 14:04

Tgt Ion	117	Resp	16407
Ion Ratio	100	Lower	Upper
119	6.8	76.6	115.0#
121	0.0	25.4	38.0#





#50

Toluene-d8

Concen: 50.144 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW016303.D

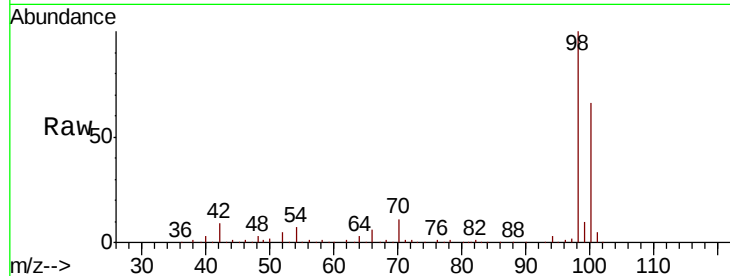
Acq: 21 Aug 2020 14:04

Tot Ion: 98 Resp: 346447

Ion Ratio Lower Upper

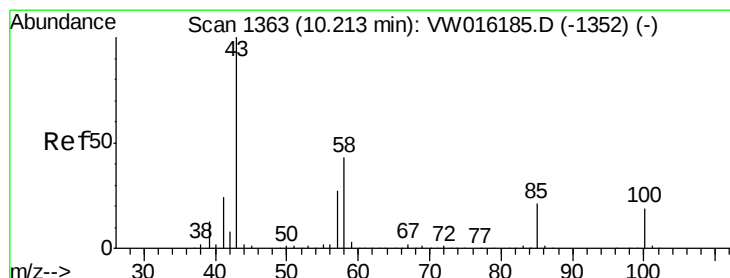
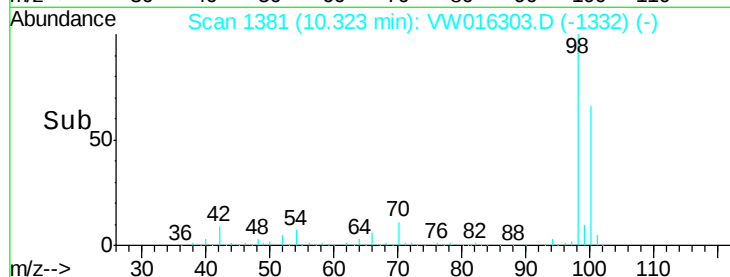
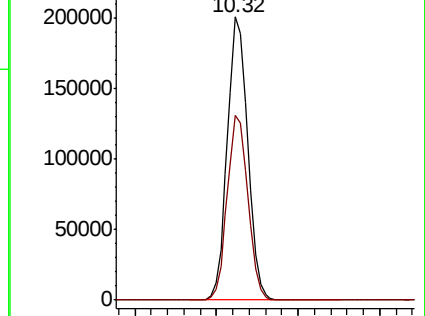
98 100

100 66.2 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: 1.335 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.11 min

Lab File: VW016303.D

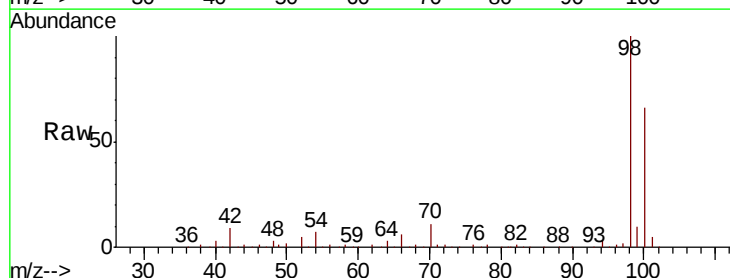
Acq: 21 Aug 2020 14:04

Tgt Ion: 43 Resp: 1241

Ion Ratio Lower Upper

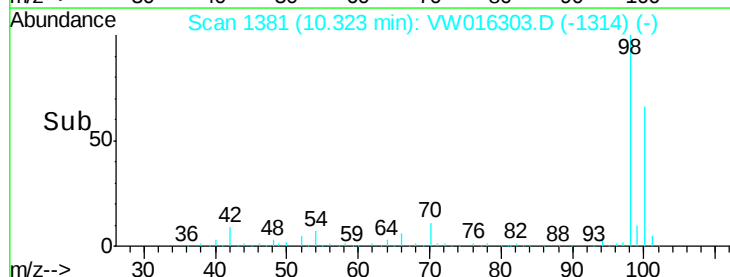
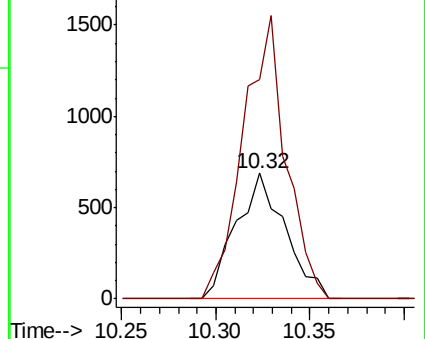
43 100

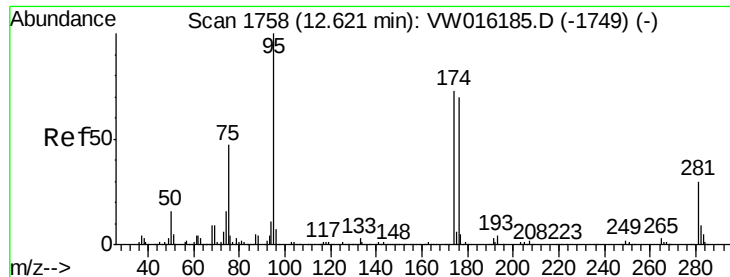
58 197.3 33.7 50.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

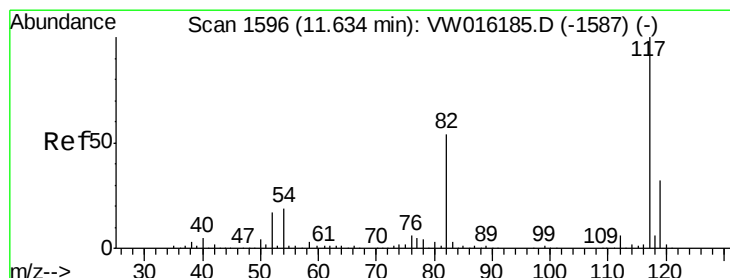
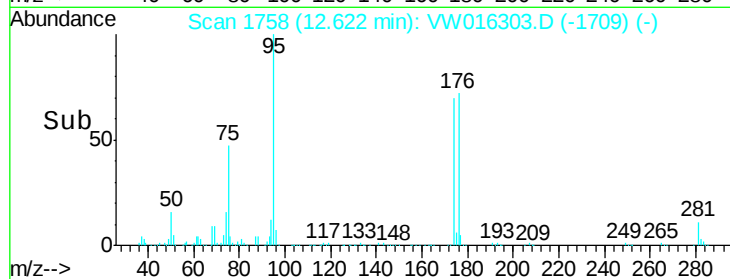
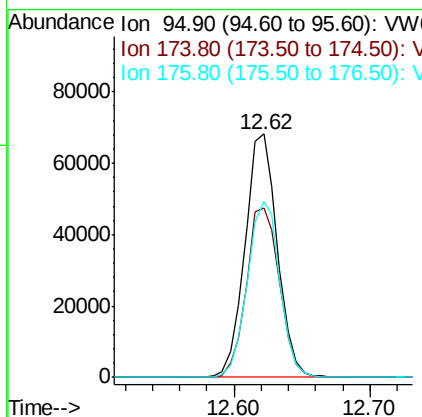
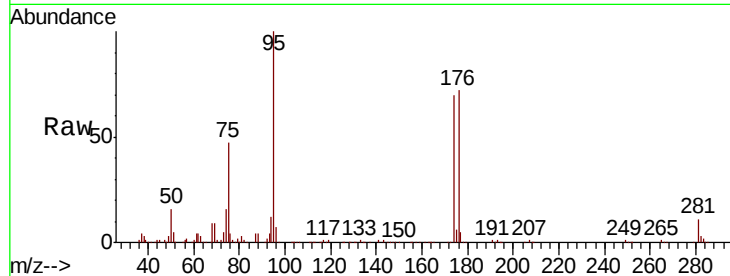
Ion 58.00 (57.70 to 58.70): VW





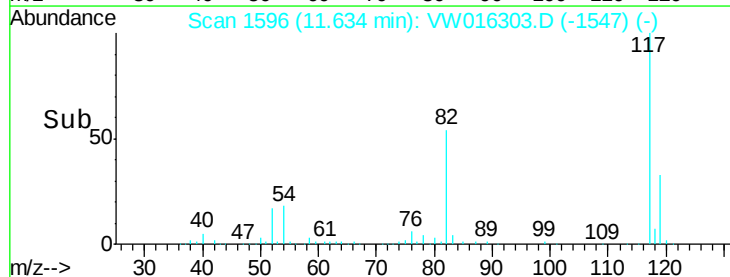
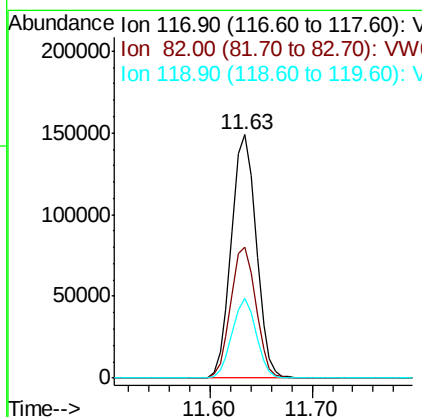
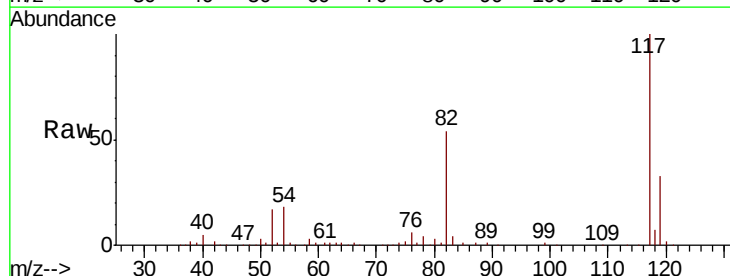
#62
4-Bromofluorobenzene
Concen: 45.873 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW016303.D
Acq: 21 Aug 2020 14:04

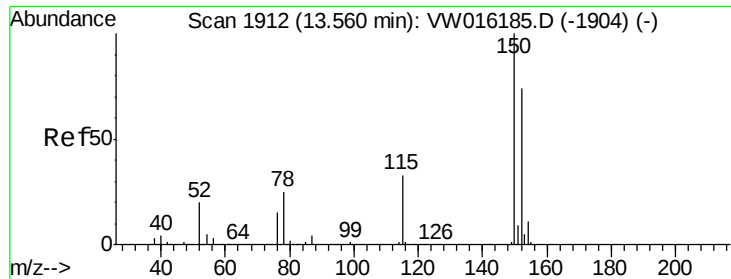
Tot Ion	95	Resp	113290
Ion Ratio	Lower	Upper	
95	100		
174	71.9	0.0	145.6
176	72.6	0.0	137.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW016303.D
Acq: 21 Aug 2020 14:04

Tgt Ion	117	Resp	251795
Ion Ratio	Lower	Upper	
117	100		
82	53.7	43.6	65.4
119	32.6	25.4	38.0

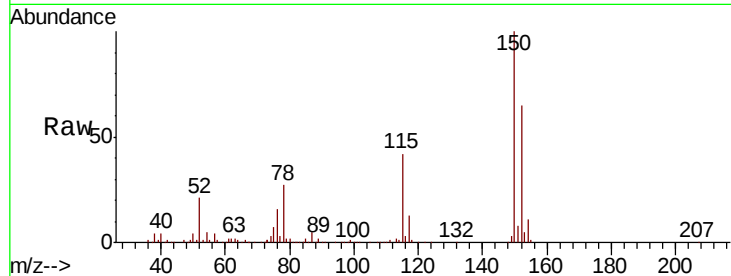




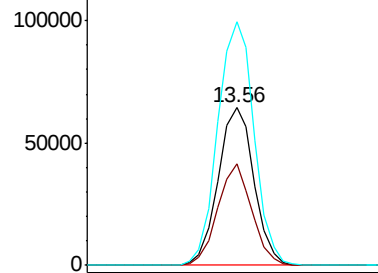
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW016303.D
Acq: 21 Aug 2020 14:04

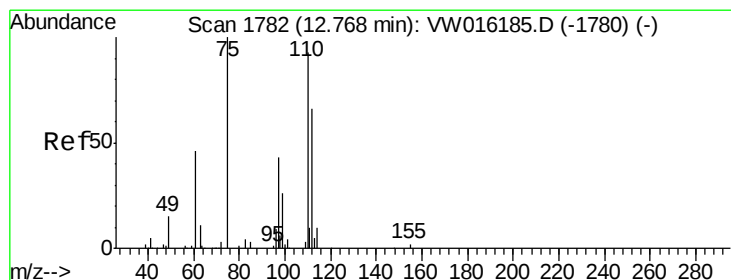
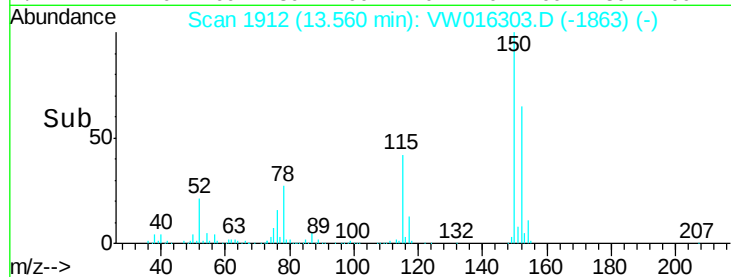
Tot Ion	Ratio	Lower	Upper
152	100		
115	61.2	30.9	92.5
150	156.4	0.0	337.8



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



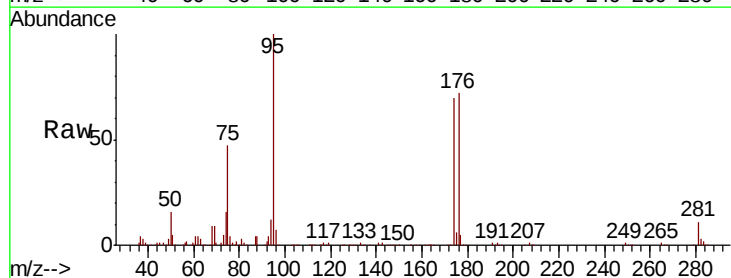
Time-->



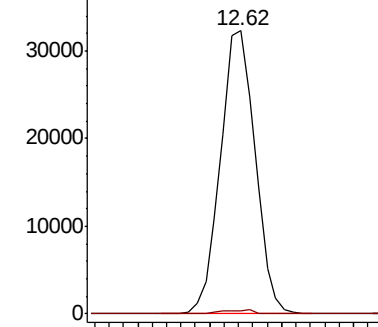
#76

1,2,3-Trichloropropane
Concen: 55.936 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW016303.D
Acq: 21 Aug 2020 14:04

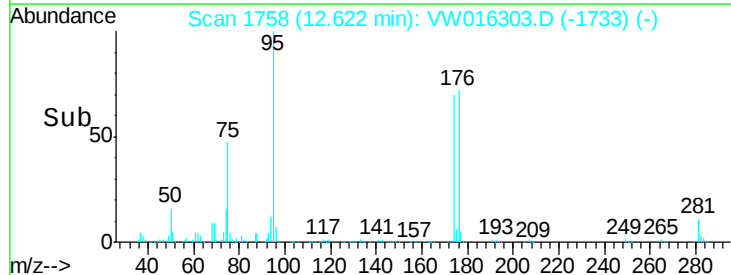
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	173.6	520.6#

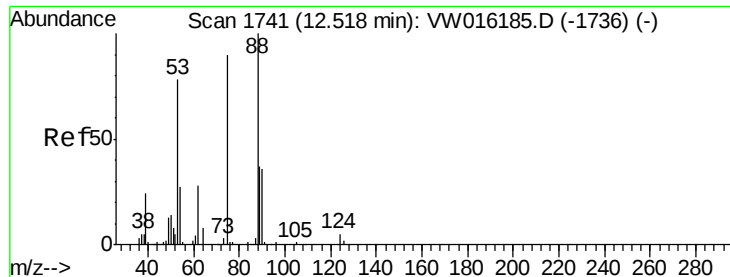


Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW



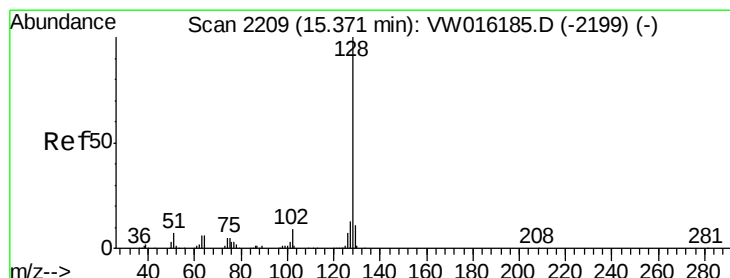
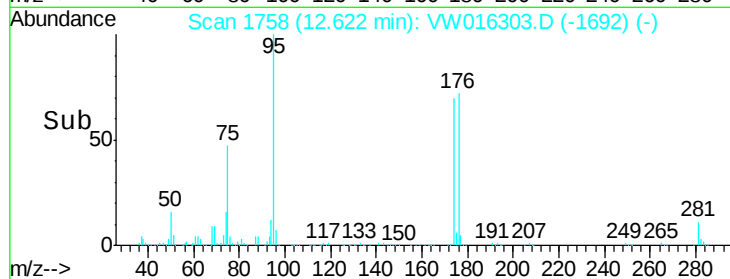
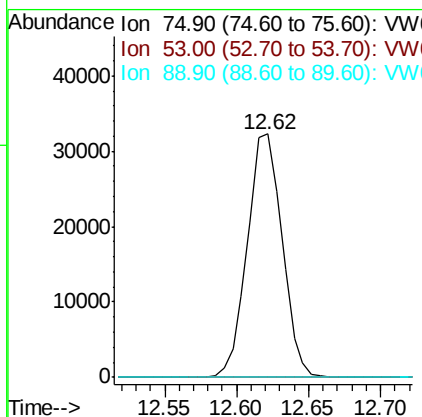
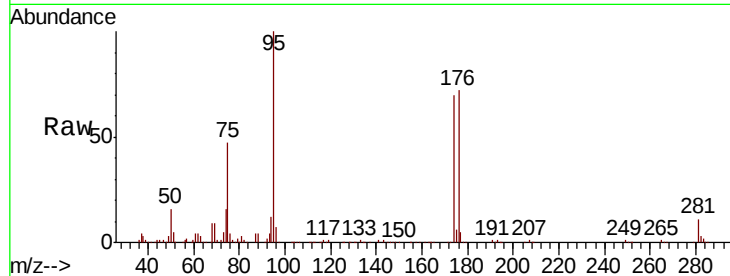
Time-->





#81
trans-1,4-Dichloro-2-butene
Concen: 134.169 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.10 min
Lab File: VW016303.D
Acq: 21 Aug 2020 14:04

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



#95
Naphthalene
Concen: 3.802 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW016303.D
Acq: 21 Aug 2020 14:04

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.4#
129	0.0	8.7	13.1#

