

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082220\
 Data File : VW016316.D
 Acq On : 21 Aug 2020 19:36
 Operator : SY/VA
 Sample : L3729-06
 Misc : 4.38G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

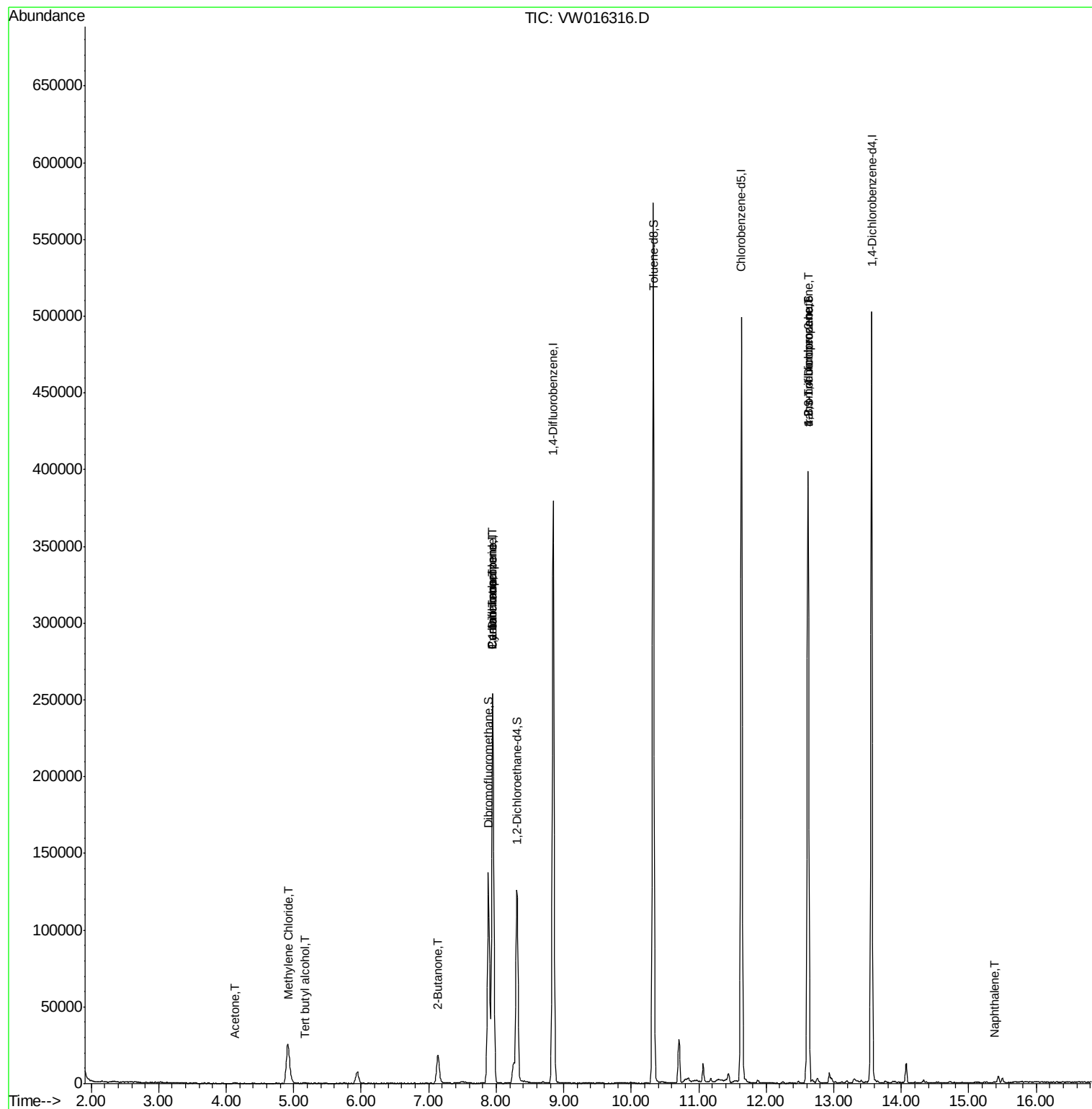
Quant Time: Aug 22 06:05:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081420S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 17 08:01:41 2020
 Response via : Initial Calibration

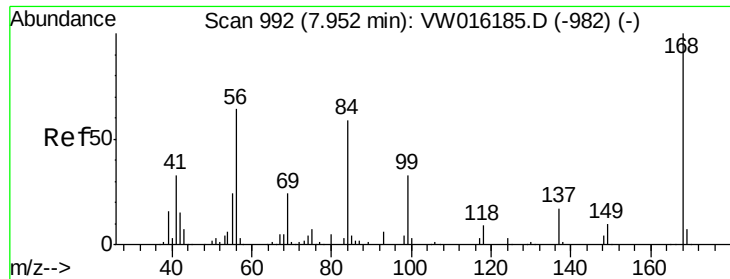
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	188171	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	334578	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	299131	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	135324	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	100162	54.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.16%	
35) Dibromofluoromethane	7.88	113	101197	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
50) Toluene-d8	10.32	98	398018	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
62) 4-Bromofluorobenzene	12.62	95	141866	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.17	59	341	3.492	ug/l #	70
16) Acetone	4.13	43	406	1.155	ug/l #	42
20) Methylene Chloride	4.92	84	24236	6.832	ug/l	88
25) 2-Butanone	7.14	43	850	1.804	ug/l #	44
31) Cyclohexane	7.95	56	3678	1.098	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	14132	4.288	ug/l #	49
38) Carbon Tetrachloride	7.95	117	19195	5.836	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	67906	54.563	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	67906	130.877	ug/l #	12
95) Naphthalene	15.37	128	281	3.630	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# 992

Delta R.T. 0.00 min

Lab File: VW016316.D

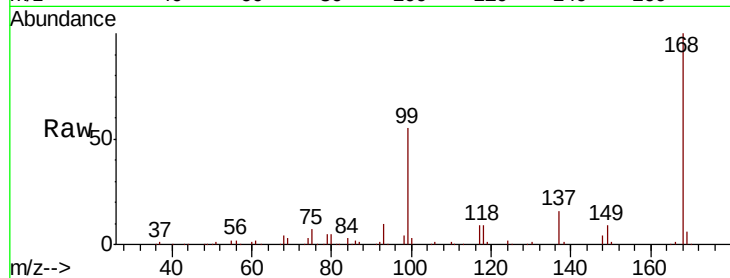
Acq: 21 Aug 2020 19:36

Tot Ion:168 Resp: 188171

Ion Ratio Lower Upper

168 100

99 55.3 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

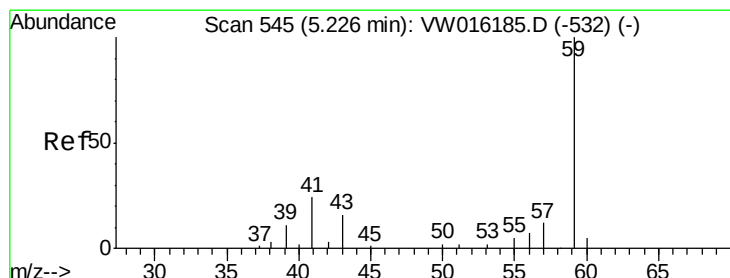
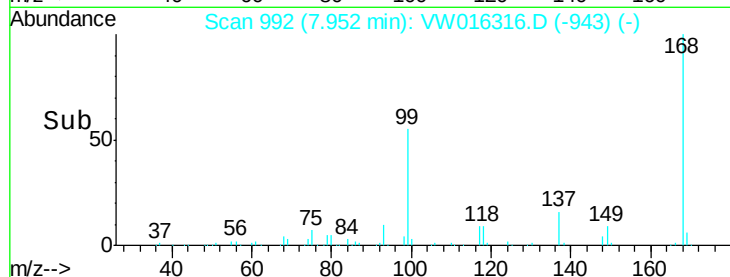
40000

20000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: 3.492 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.05 min

Lab File: VW016316.D

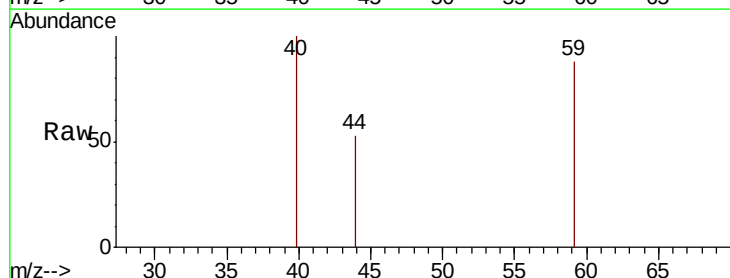
Acq: 21 Aug 2020 19:36

Tgt Ion: 59 Resp: 341

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

200

150

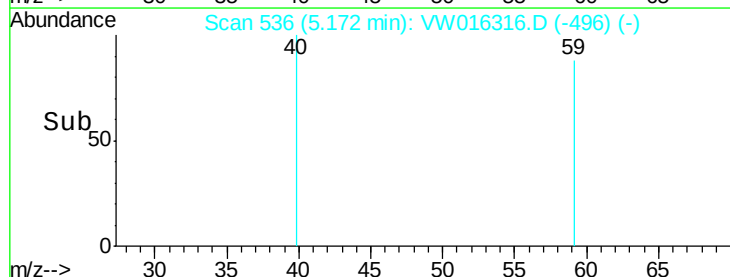
100

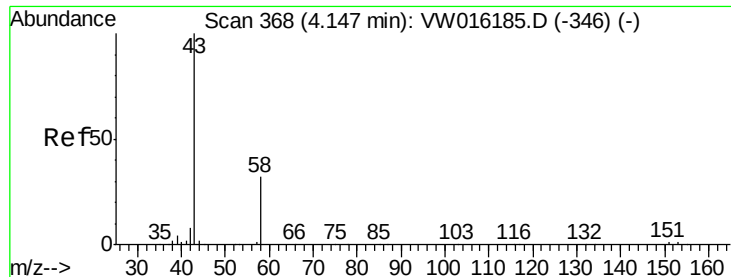
50

0

5.10 5.15 5.20

Time-->





#16

Acetone

Concen: 1.155 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.02 min

Lab File: VW016316.D

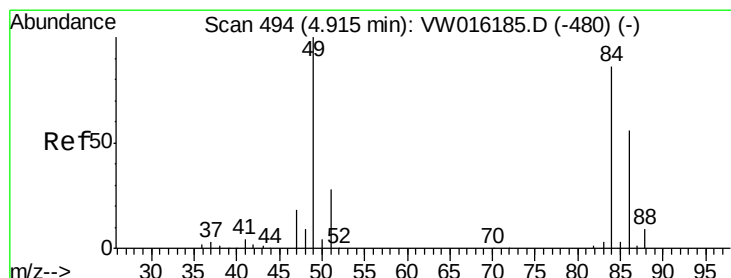
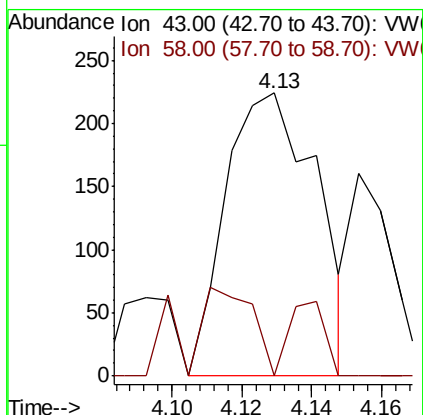
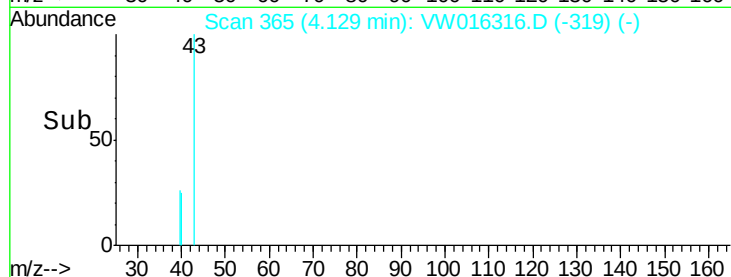
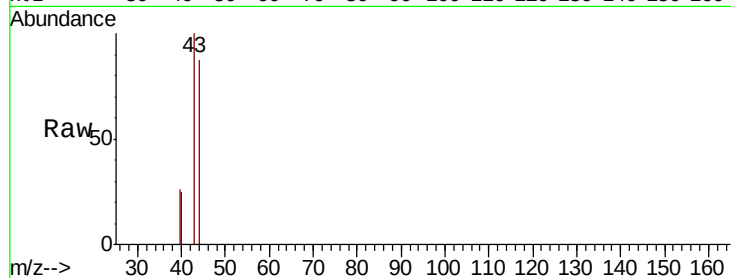
Acq: 21 Aug 2020 19:36

Tot Ion: 43 Resp: 406

Ion Ratio Lower Upper

43 100

58 0.0 25.8 38.6#



#20

Methylene Chloride

Concen: 6.832 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW016316.D

Acq: 21 Aug 2020 19:36

Tgt Ion: 84 Resp: 24236

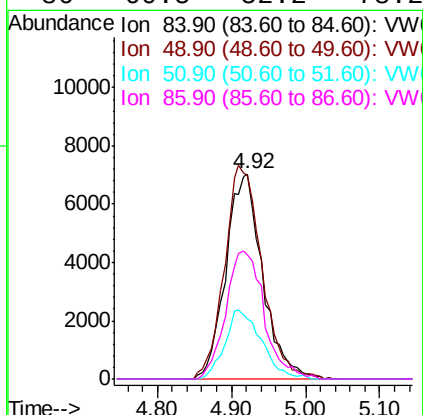
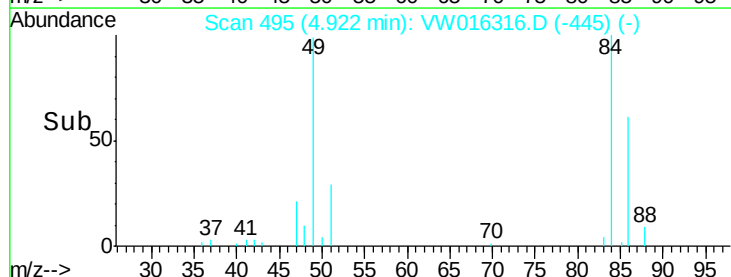
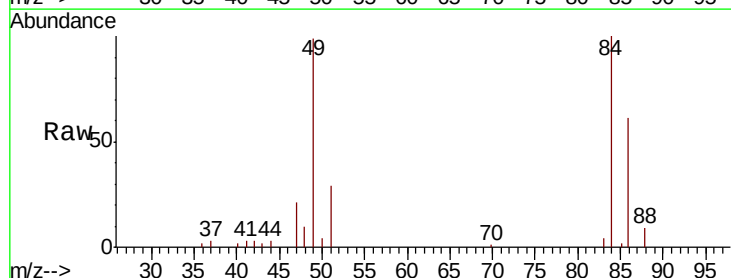
Ion Ratio Lower Upper

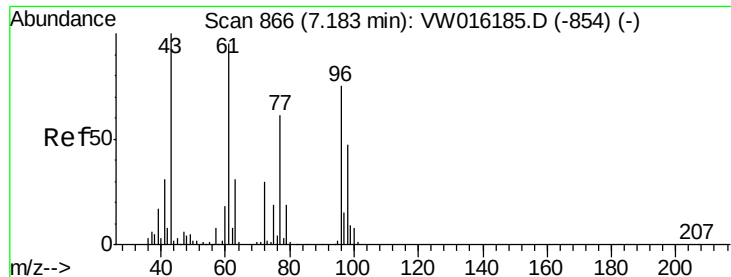
84 100

49 99.2 93.4 140.2

51 29.5 26.6 40.0

86 60.5 52.2 78.2





#25

2-Butanone

Concen: 1.804 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.04 min

Lab File: VW016316.D

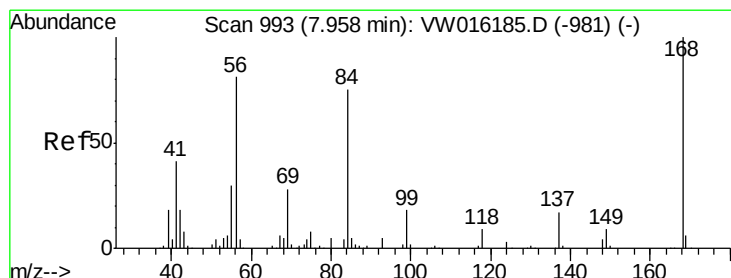
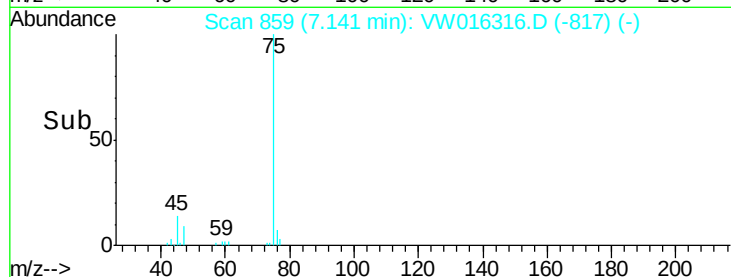
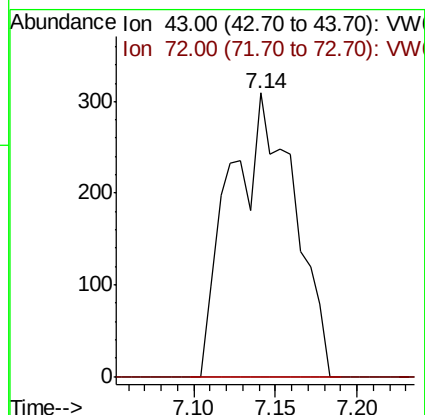
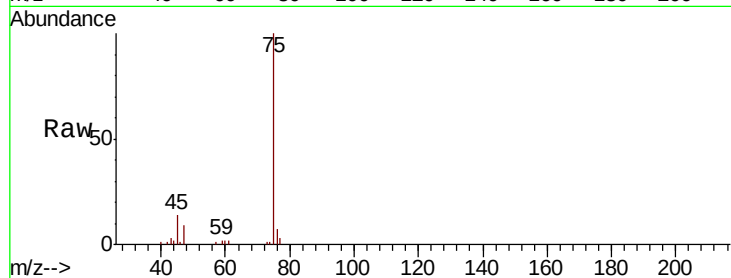
Acq: 21 Aug 2020 19:36

Tot Ion: 43 Resp: 850

Ion Ratio Lower Upper

43 100

72 0.0 24.2 36.2#



#31

Cyclohexane

Concen: 1.098 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW016316.D

Acq: 21 Aug 2020 19:36

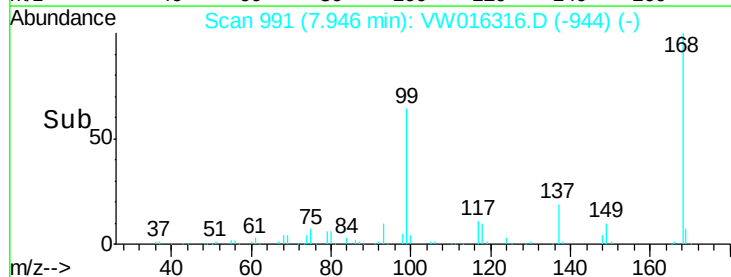
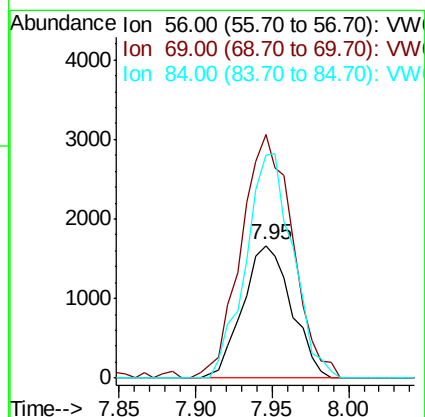
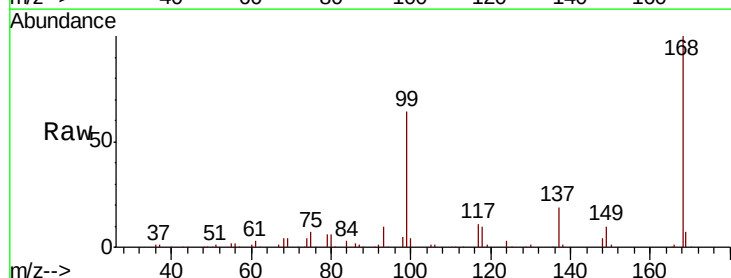
Tgt Ion: 56 Resp: 3678

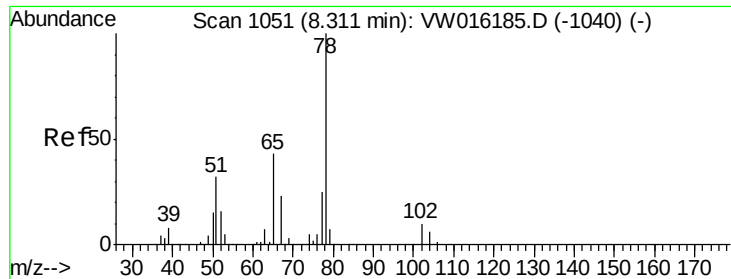
Ion Ratio Lower Upper

56 100

69 184.0 27.3 40.9#

84 169.0 73.5 110.3#





#33

1,2-Dichloroethane-d4

Concen: 54.583 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW016316.D

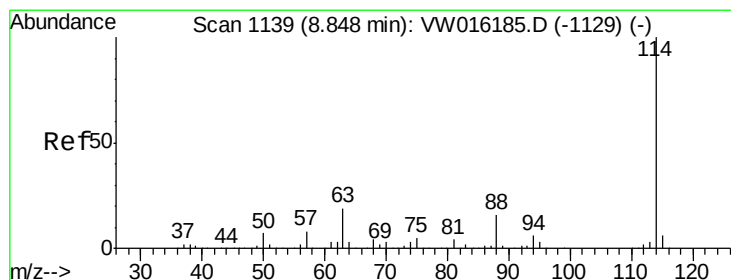
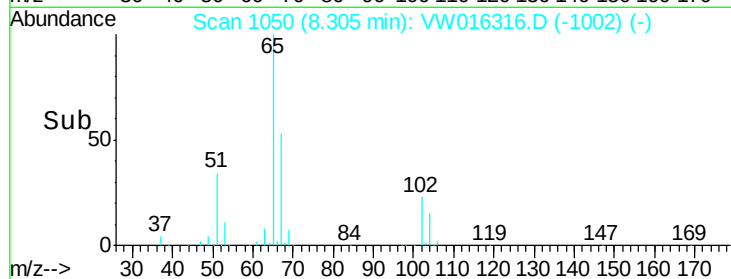
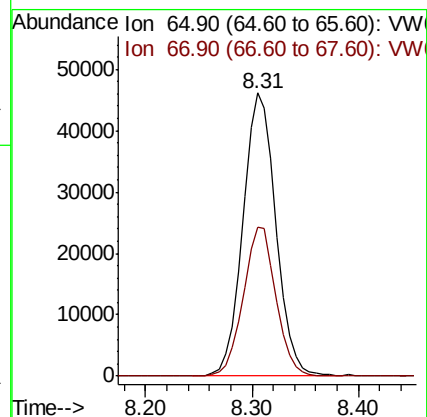
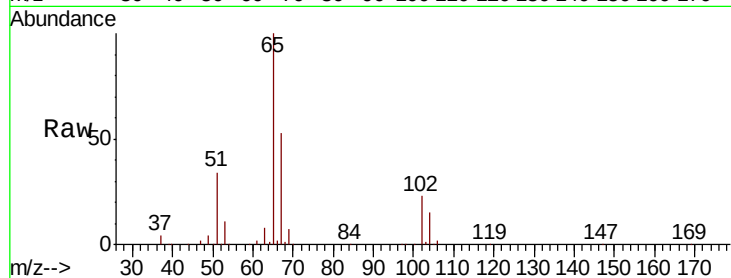
Acq: 21 Aug 2020 19:36

Tot Ion: 65 Resp: 100162

Ion Ratio Lower Upper

65 100

67 52.4 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: VW016316.D

Acq: 21 Aug 2020 19:36

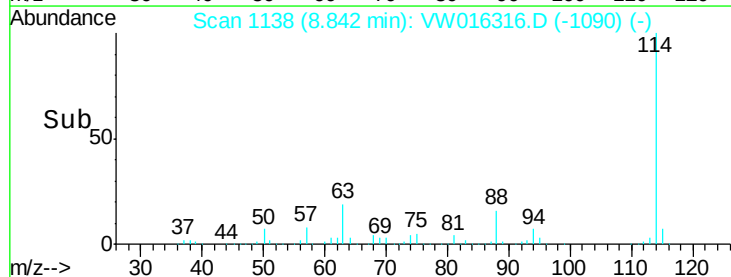
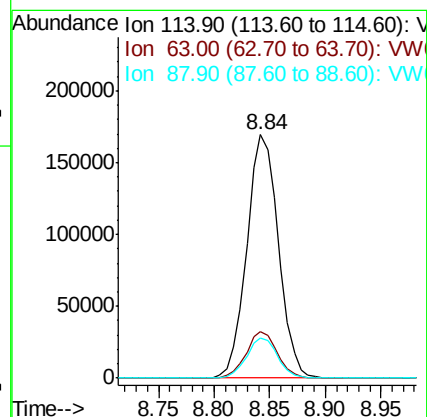
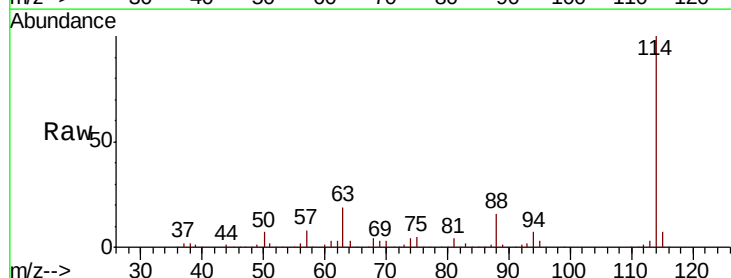
Tgt Ion: 114 Resp: 334578

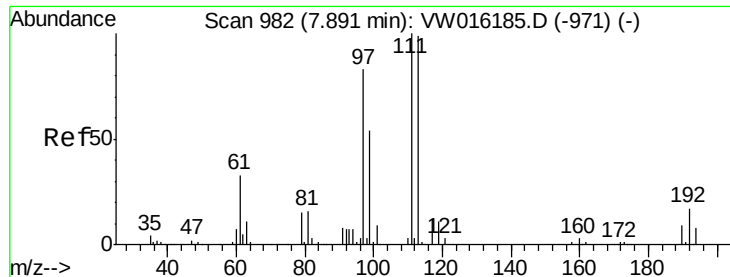
Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.4

88 16.5 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.021 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW016316.D

Acq: 21 Aug 2020 19:36

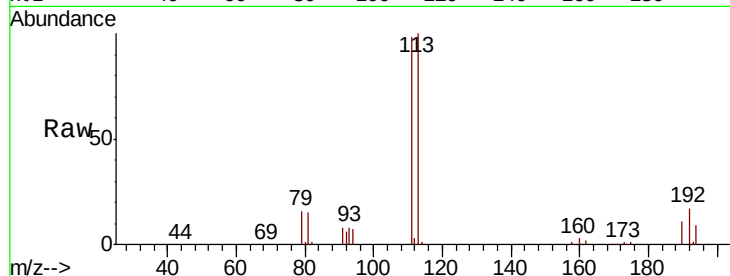
Tot Ion:113 Resp: 101197

Ion Ratio Lower Upper

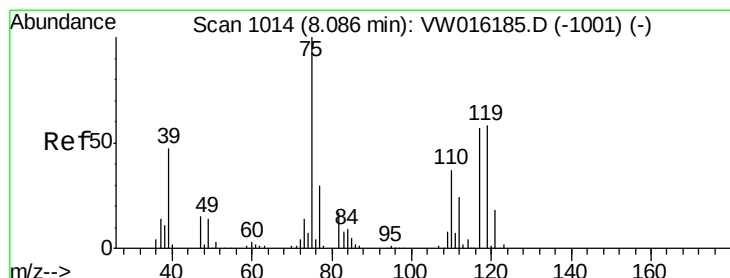
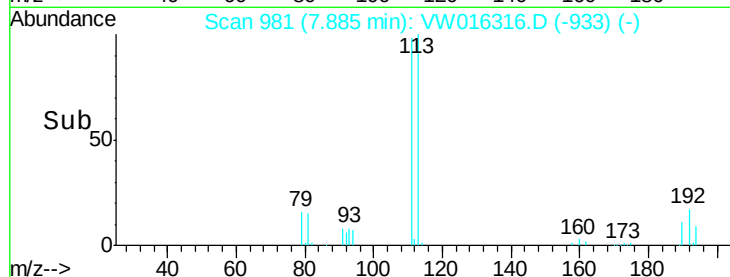
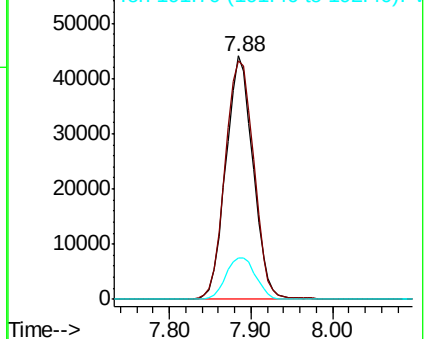
113 100

111 103.8 83.5 125.3

192 18.8 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: 4.288 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW016316.D

Acq: 21 Aug 2020 19:36

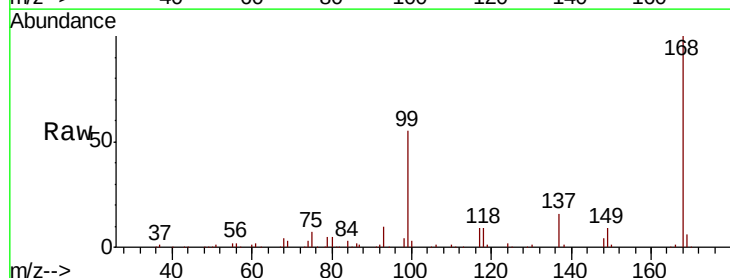
Tgt Ion: 75 Resp: 14132

Ion Ratio Lower Upper

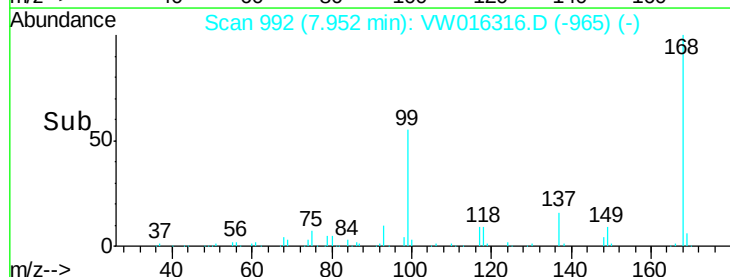
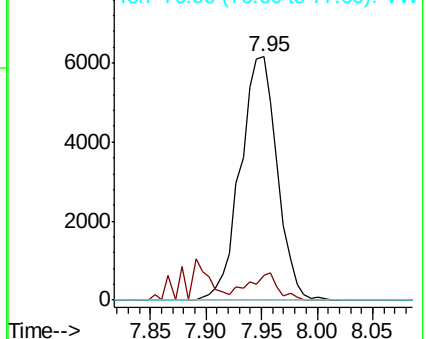
75 100

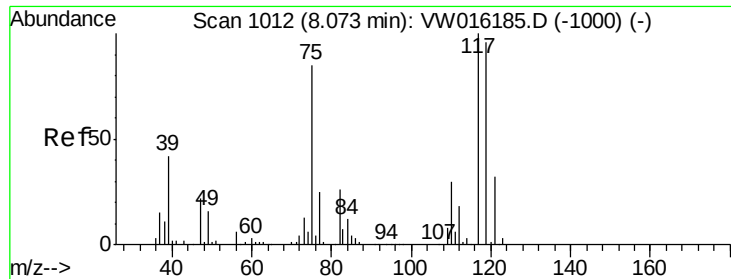
110 9.2 18.1 54.3#

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





#38

Carbon Tetrachloride

Concen: 5.836 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW016316.D

Acq: 21 Aug 2020 19:36

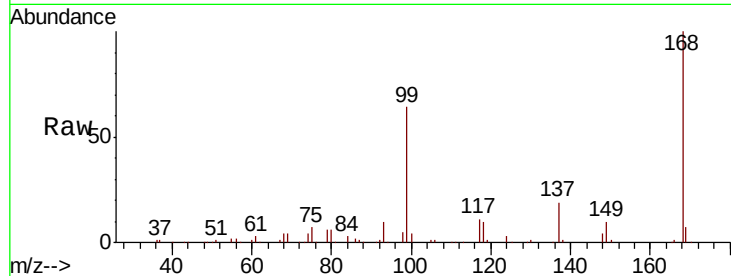
Tot Ion: 117 Resp: 19195

Ion Ratio Lower Upper

117 100

119 5.9 76.6 115.0#

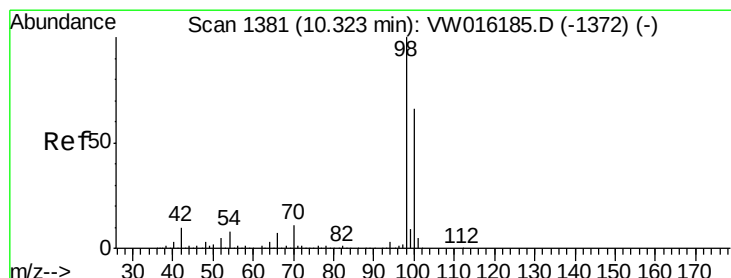
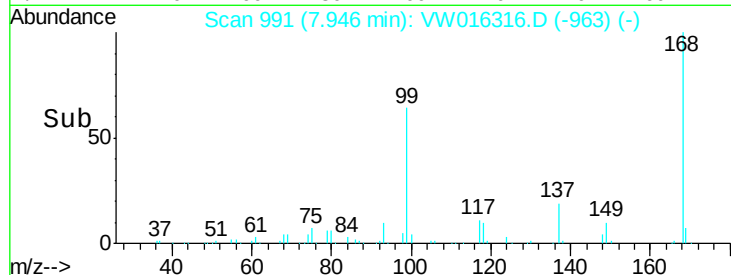
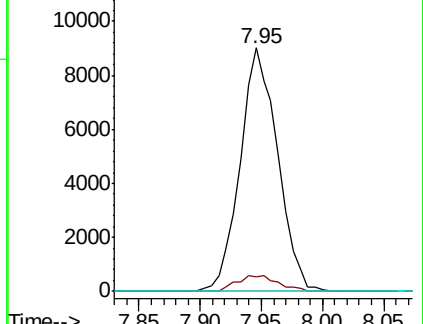
121 0.0 25.4 38.0#



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: 49.809 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW016316.D

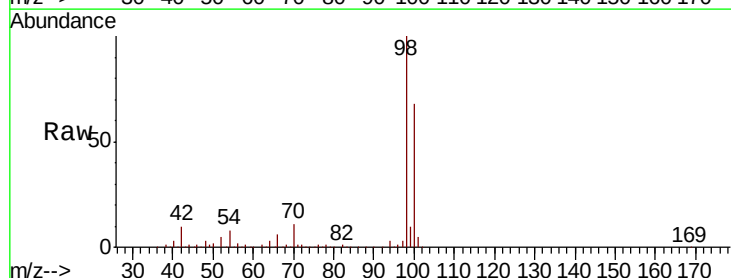
Acq: 21 Aug 2020 19:36

Tgt Ion: 98 Resp: 398018

Ion Ratio Lower Upper

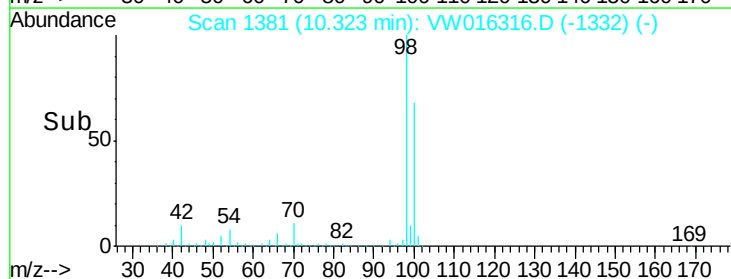
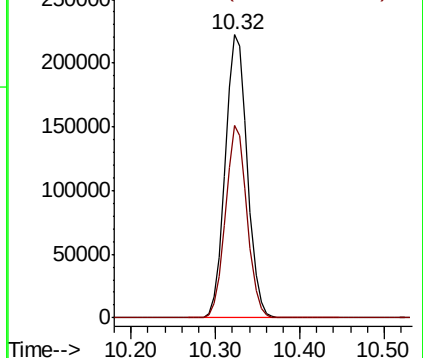
98 100

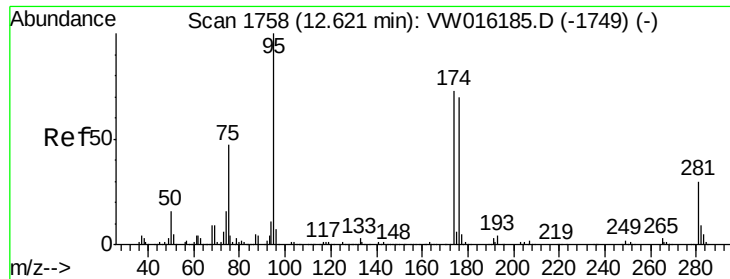
100 66.5 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VW

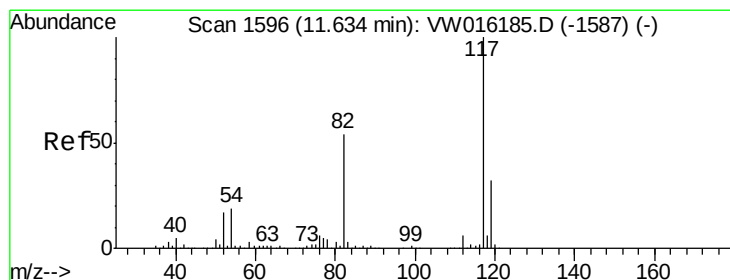
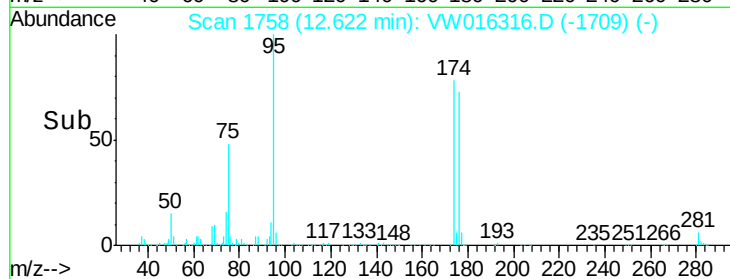
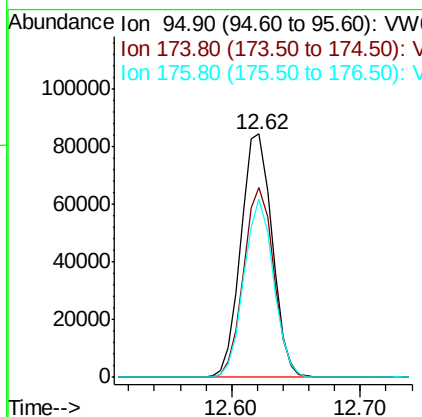
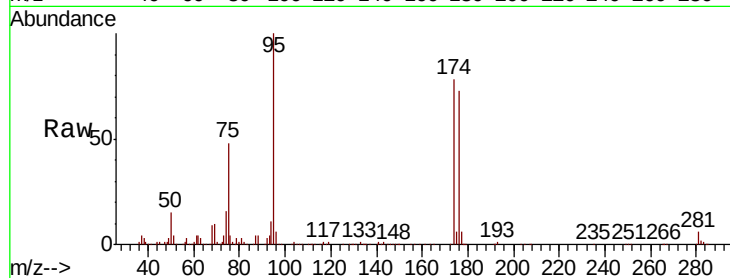
Ion 100.00 (99.70 to 100.70): VW





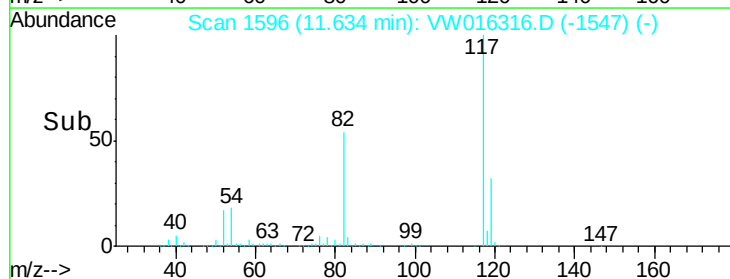
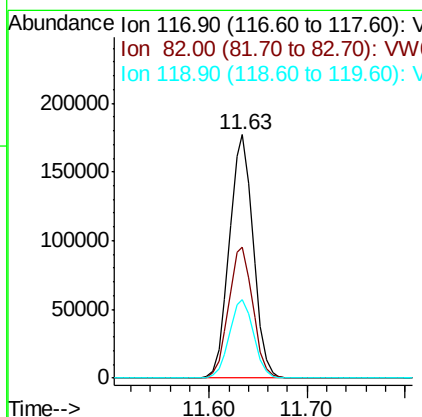
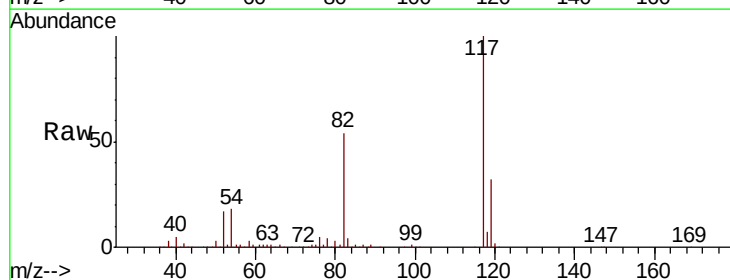
#62
4-Bromofluorobenzene
Concen: 49.667 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW016316.D
Acq: 21 Aug 2020 19:36

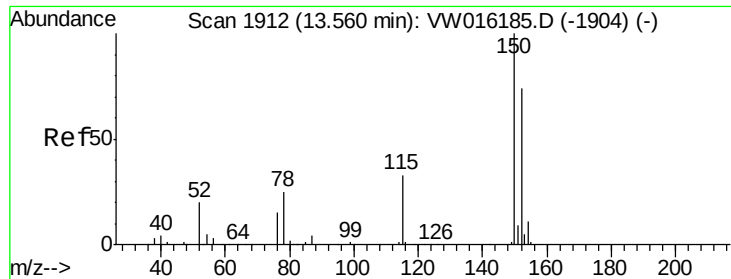
Tot Ion	95	Resp	141866
Ion Ratio	100		
Lower		0.0	145.6
Upper		0.0	137.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW016316.D
Acq: 21 Aug 2020 19:36

Tgt Ion	117	Resp	299131
Ion Ratio	100		
Lower		43.6	65.4
Upper		25.4	38.0

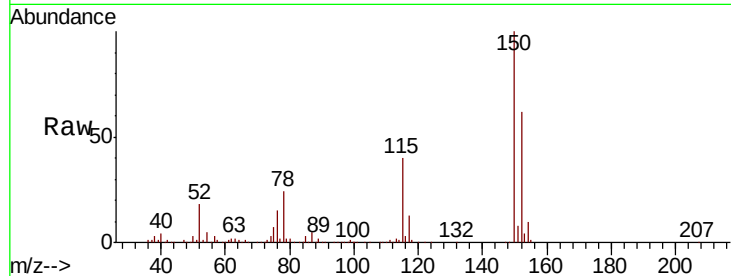




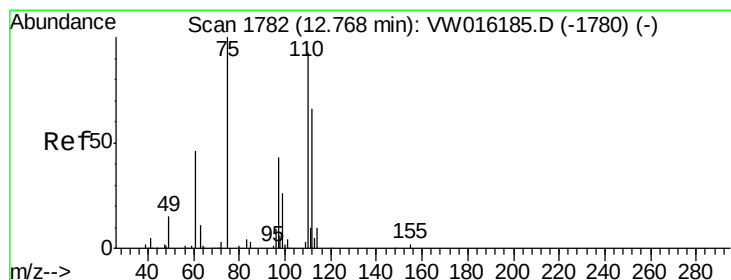
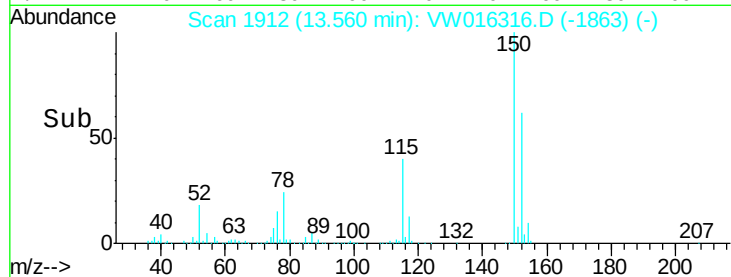
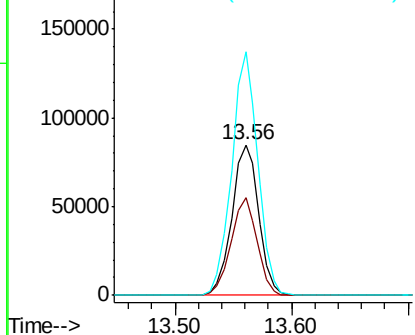
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW016316.D
Acq: 21 Aug 2020 19:36

Tot Ion:152 Resp: 135324
Ion Ratio Lower Upper
152 100
115 63.2 30.9 92.5
150 158.2 0.0 337.8



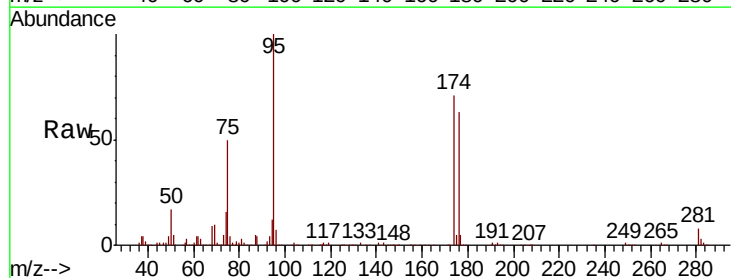
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



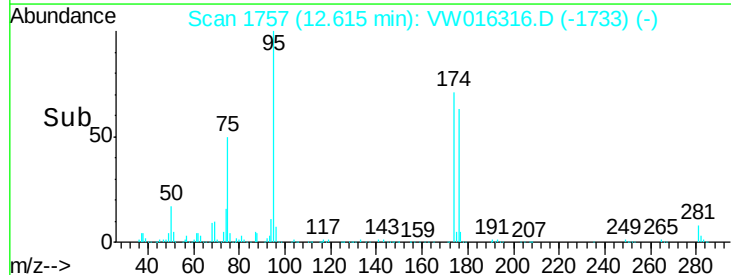
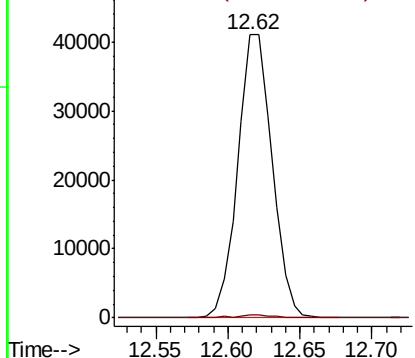
#76

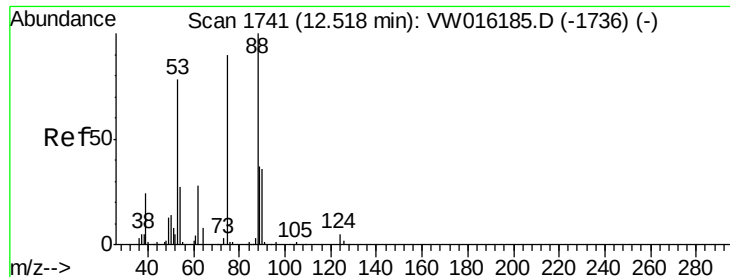
1,2,3-Trichloropropane
Concen: 54.563 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW016316.D
Acq: 21 Aug 2020 19:36

Tgt Ion: 75 Resp: 67906
Ion Ratio Lower Upper
75 100
77 1.2 173.6 520.6#



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: 130.877 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW016316.D

Acq: 21 Aug 2020 19:36

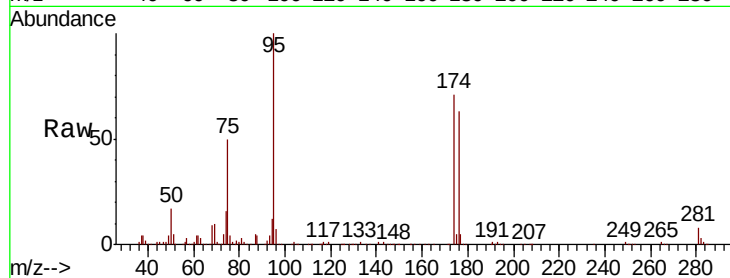
Tot Ion: 75 Resp: 67906

Ion Ratio Lower Upper

75 100

53 0.0 74.6 111.8#

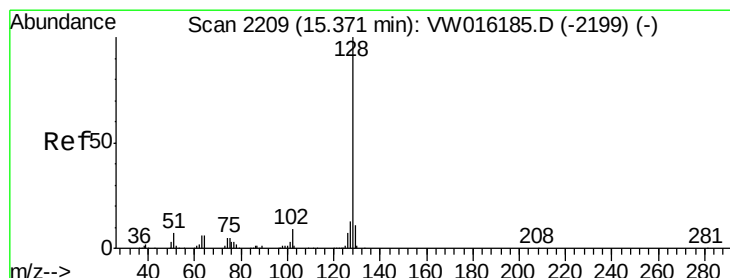
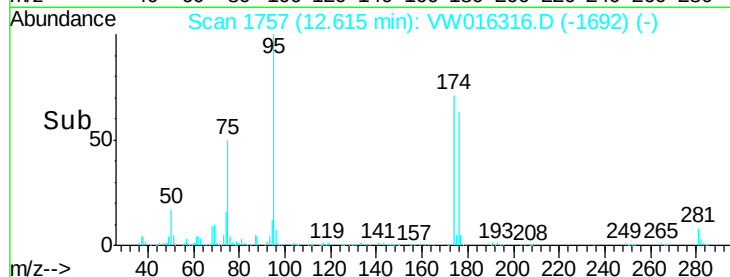
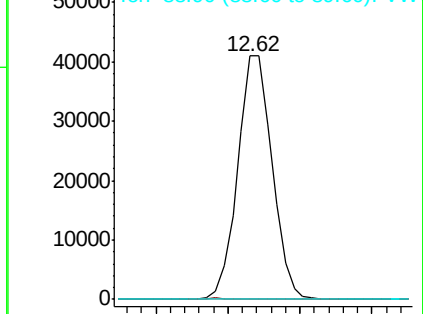
89 0.1 37.2 55.8#



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



#95

Naphthalene

Concen: 3.630 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW016316.D

Acq: 21 Aug 2020 19:36

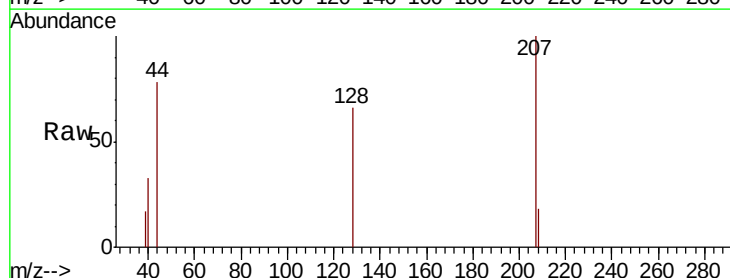
Tgt Ion: 128 Resp: 281

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 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

