

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082220\
 Data File : VW016310.D
 Acq On : 21 Aug 2020 17:02
 Operator : SY/VA
 Sample : L3734-05
 Misc : 6.83G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 22 06:04:12 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	172075	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	296763	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	232548	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	83879	50.00	ug/l	0.00

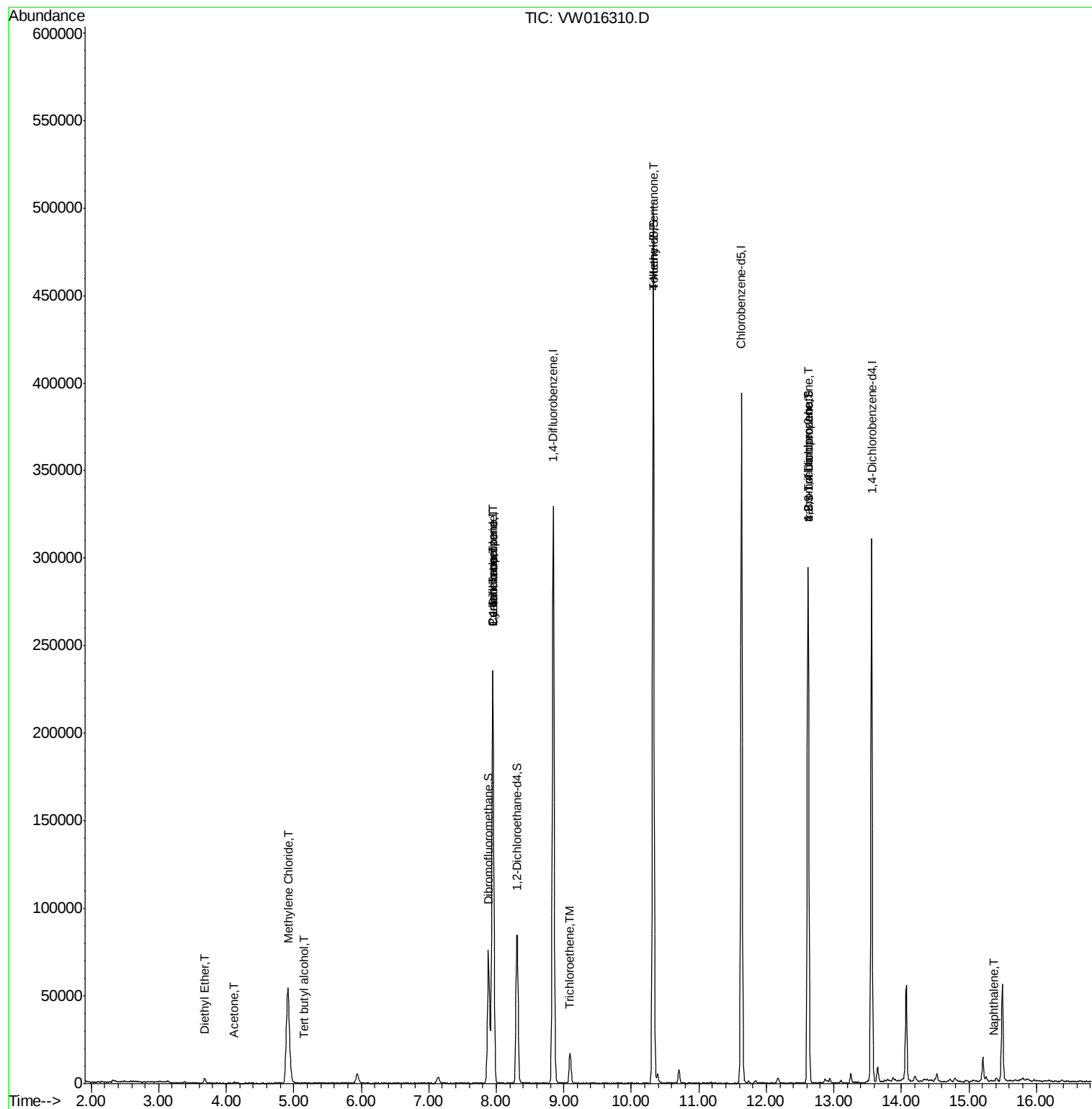
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	68251	40.67	ug/l	0.00
Spiked Amount			Recovery	=	81.34%	
35) Dibromofluoromethane	7.88	113	57413	31.36	ug/l	0.00
Spiked Amount			Recovery	=	62.72%	
50) Toluene-d8	10.32	98	342243	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	
62) 4-Bromofluorobenzene	12.62	95	98536	38.89	ug/l	0.00
Spiked Amount			Recovery	=	77.78%	

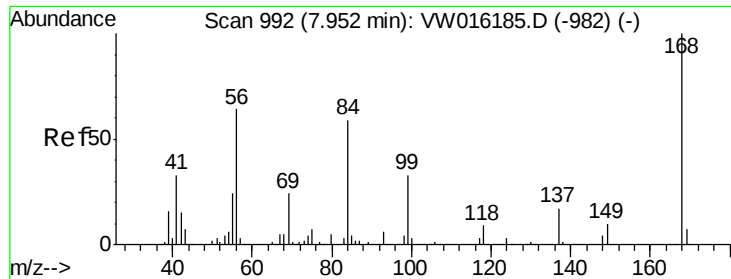
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1616	1.824	ug/l	90
11) Tert butyl alcohol	5.16	59	134	1.500	ug/l #	70
16) Acetone	4.12	43	1484	4.616	ug/l #	86
20) Methylene Chloride	4.92	84	48476	21.454	ug/l	88
31) Cyclohexane	7.95	56	3275	1.069	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	13836	4.733	ug/l #	49
38) Carbon Tetrachloride	7.95	117	17400	5.964	ug/l #	16
44) Trichloroethene	9.09	130	6223	2.672	ug/l	87
51) 4-Methyl-2-Pentanone	10.33	43	1314	1.378	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	47218	61.210	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	47218	146.820	ug/l #	12
95) Naphthalene	15.36	128	737	3.799	ug/l #	82

(#) = 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: VW016310.D

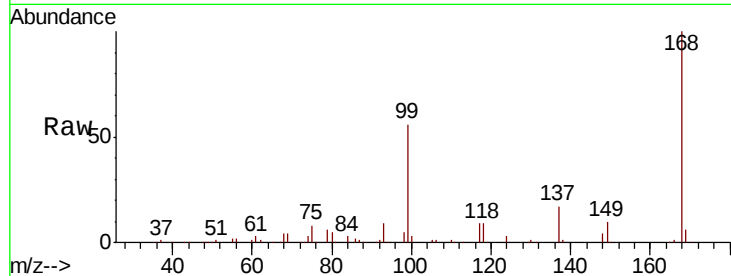
Acq: 21 Aug 2020 17:02

Tot Ion:168 Resp: 172075

Ion Ratio Lower Upper

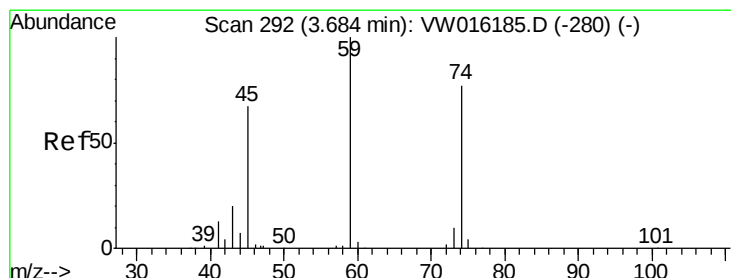
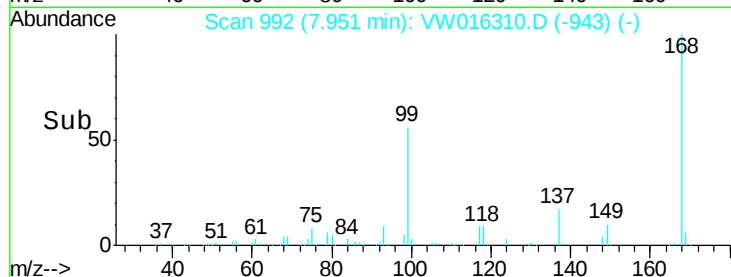
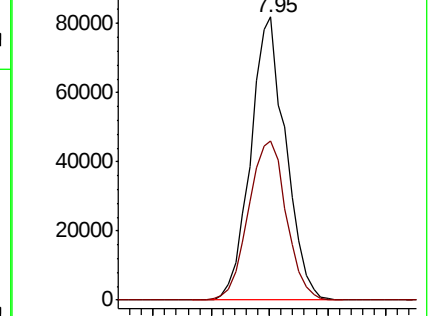
168 100

99 56.1 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: 1.824 ug/l

RT: 3.68 min Scan# 292

Delta R.T. -0.00 min

Lab File: VW016310.D

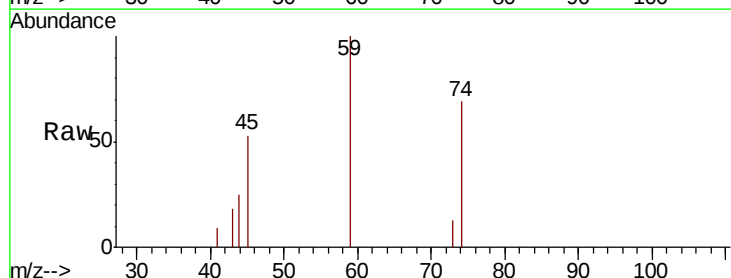
Acq: 21 Aug 2020 17:02

Tgt Ion: 74 Resp: 1616

Ion Ratio Lower Upper

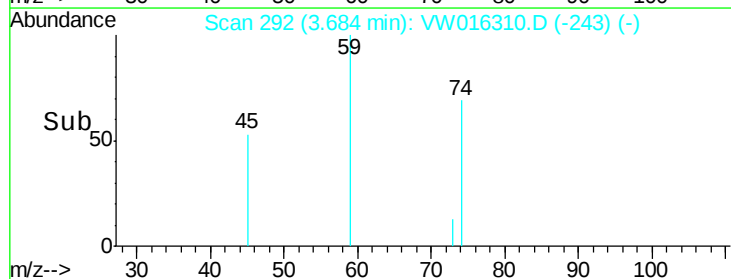
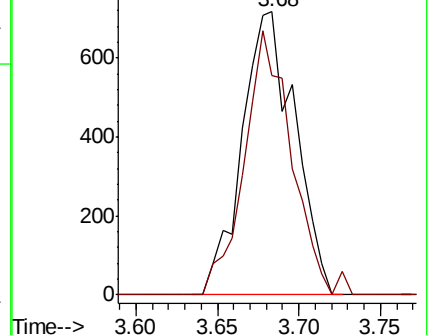
74 100

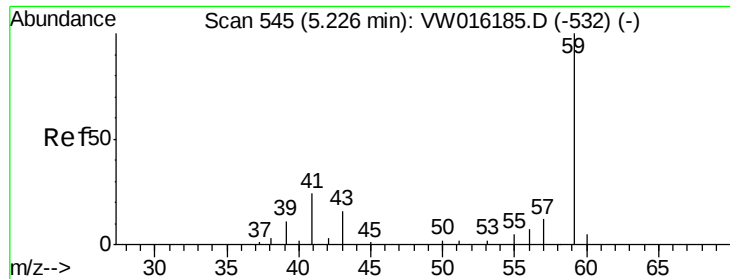
45 81.8 45.9 137.7



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

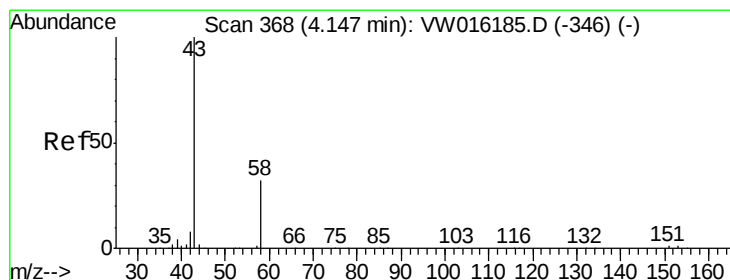
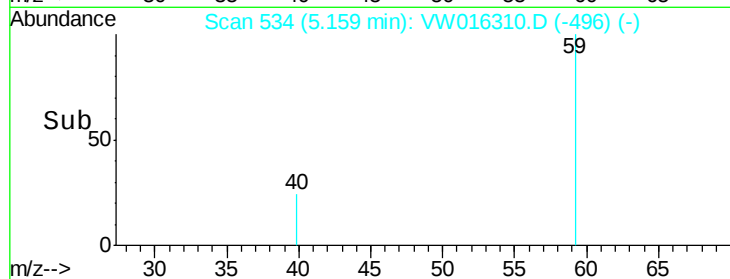
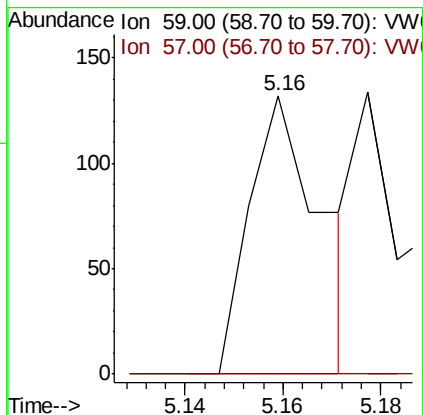
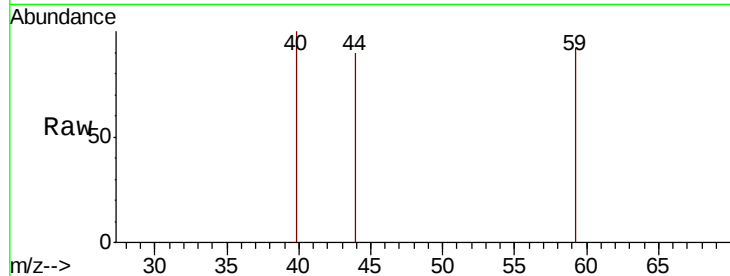




#11

Tert butvl alcohol
 Concen: 1.500 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.07 min
 Lab File: VW016310.D
 Acq: 21 Aug 2020 17:02

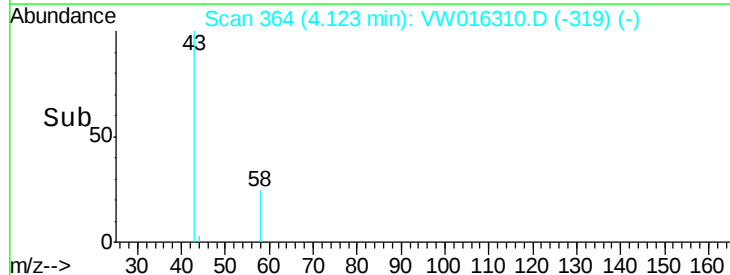
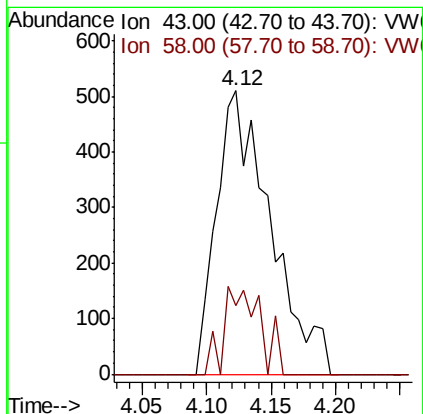
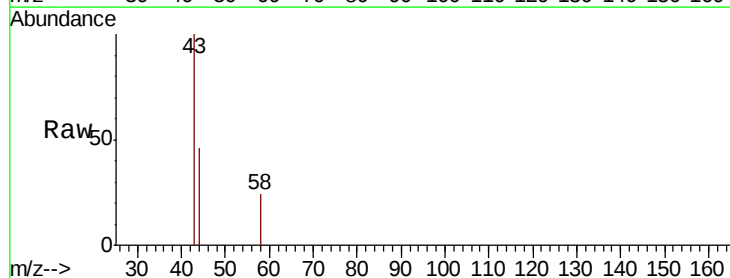
Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.0	13.6#

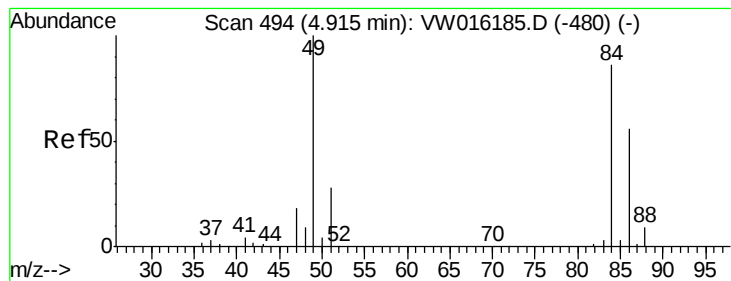


#16

Acetone
 Concen: 4.616 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. -0.02 min
 Lab File: VW016310.D
 Acq: 21 Aug 2020 17:02

Tgt Ion	Ratio	Lower	Upper
43	100		
58	24.3	25.8	38.6#





#20

Methylene Chloride

Concen: 21.454 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW016310.D

Acq: 21 Aug 2020 17:02

Tot Ion: 84 Resp: 48476

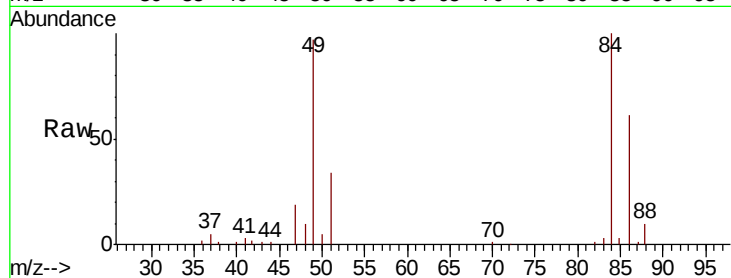
Ion Ratio Lower Upper

84 100

49 96.6 93.4 140.2

51 34.0 26.6 40.0

86 61.3 52.2 78.2

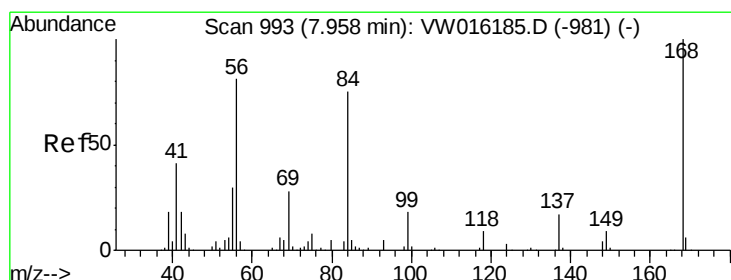
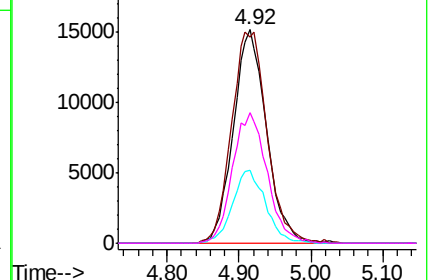
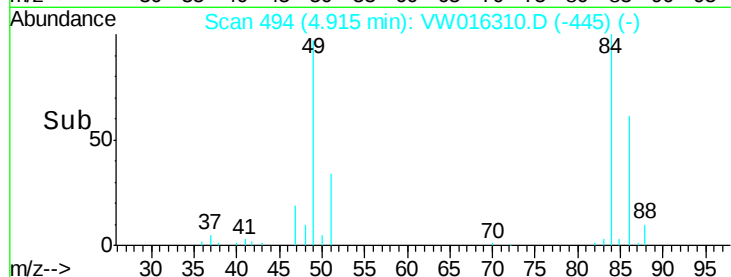


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 1.069 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW016310.D

Acq: 21 Aug 2020 17:02

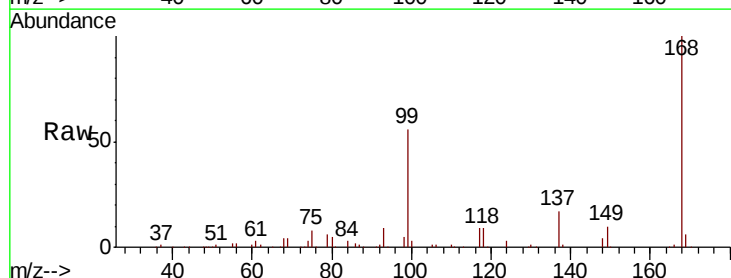
Tgt Ion: 56 Resp: 3275

Ion Ratio Lower Upper

56 100

69 199.9 27.3 40.9#

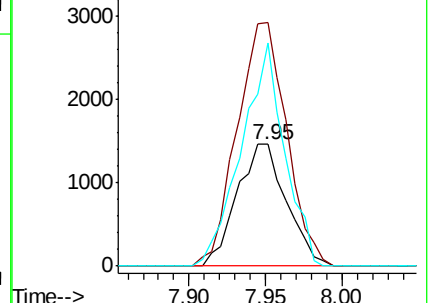
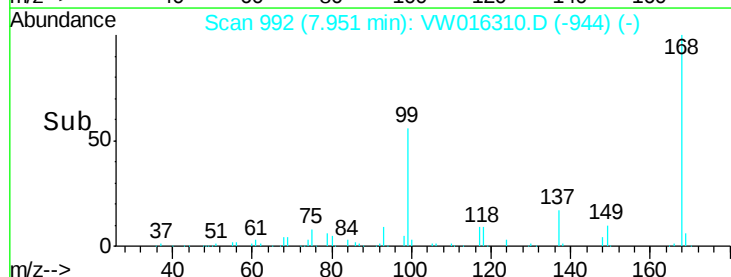
84 183.1 73.5 110.3#

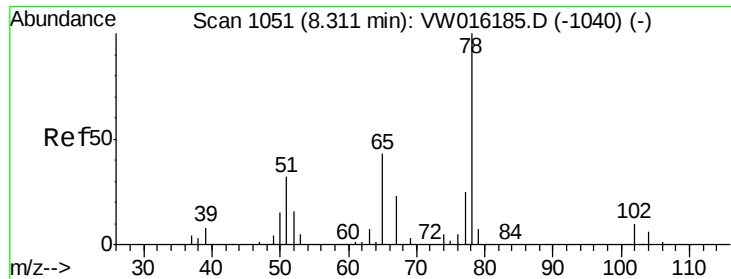


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW





#33

1,2-Dichloroethane-d4

Concen: 40.672 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW016310.D

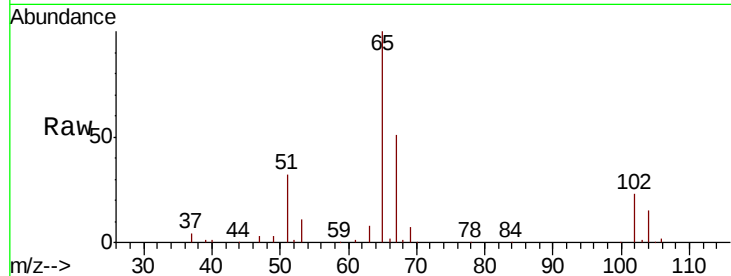
Acq: 21 Aug 2020 17:02

Tot Ion: 65 Resp: 68251

Ion Ratio Lower Upper

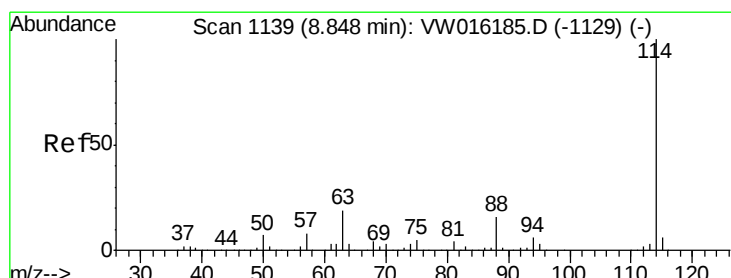
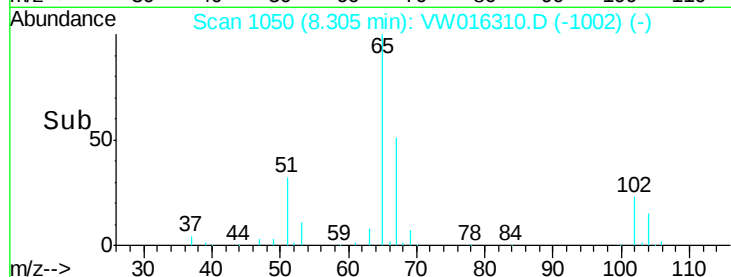
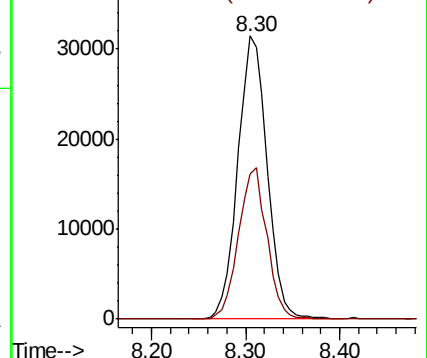
65 100

67 51.8 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: VW016310.D

Acq: 21 Aug 2020 17:02

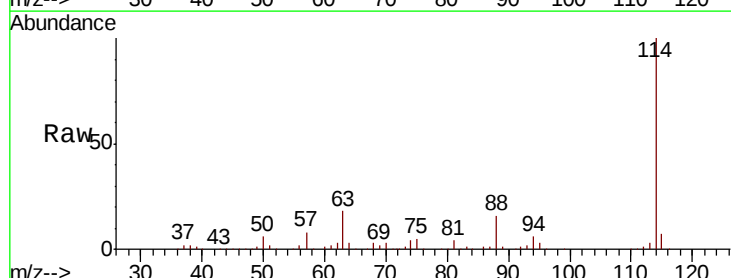
Tgt Ion: 114 Resp: 296763

Ion Ratio Lower Upper

114 100

63 18.0 0.0 38.4

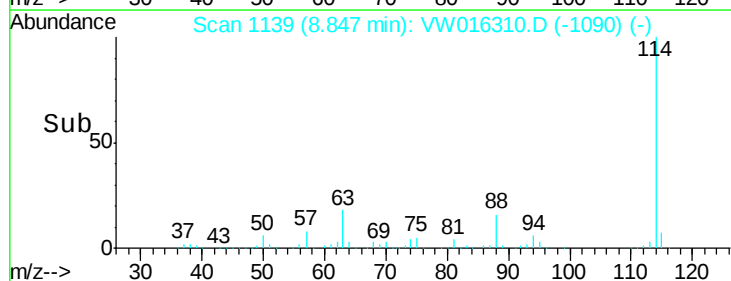
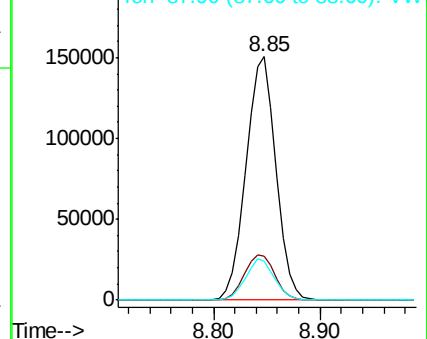
88 15.8 0.0 32.8

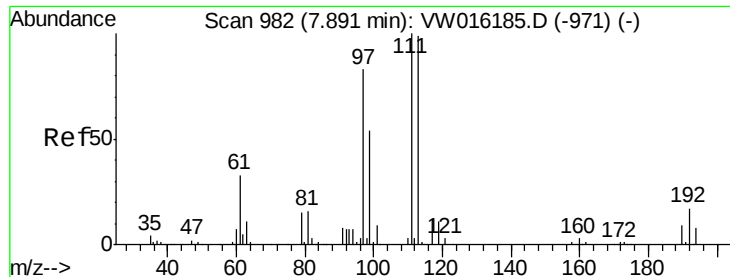


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

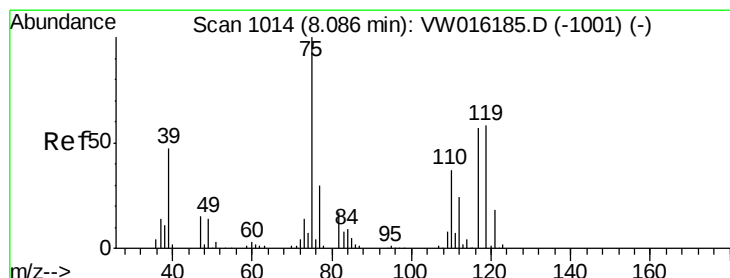
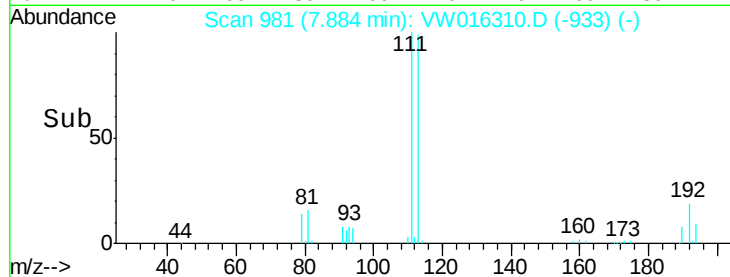
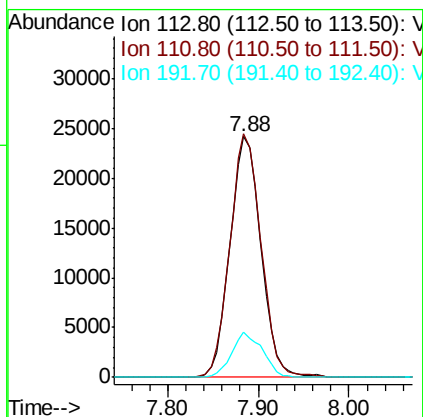
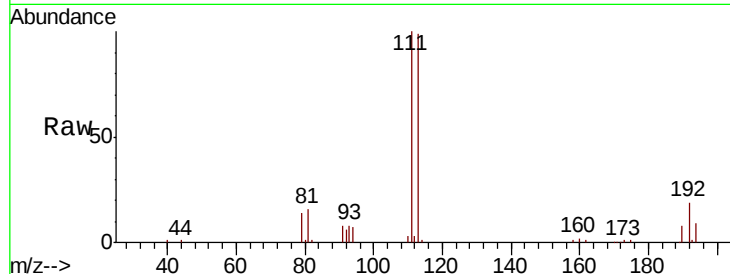
Ion 87.90 (87.60 to 88.60): VW





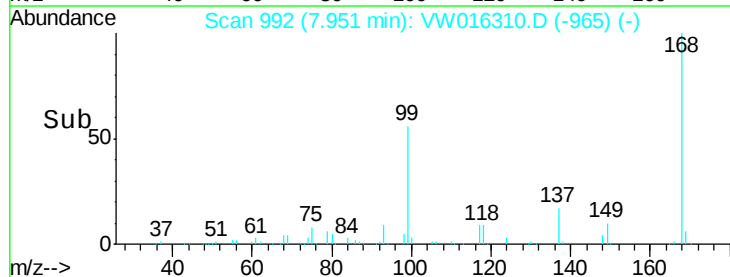
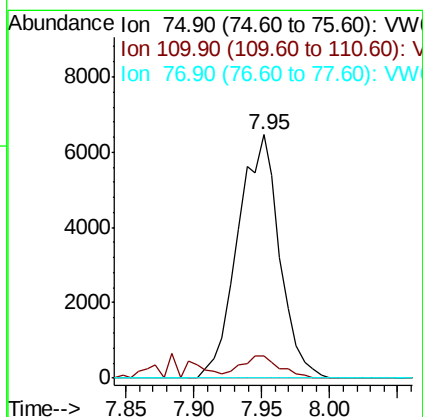
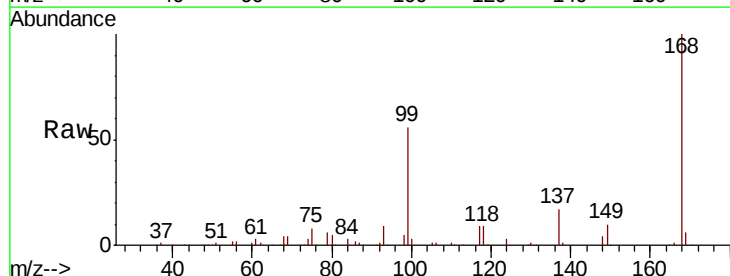
#35
 Dibromofluoromethane
 Concen: 31.355 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW016310.D
 Acq: 21 Aug 2020 17:02

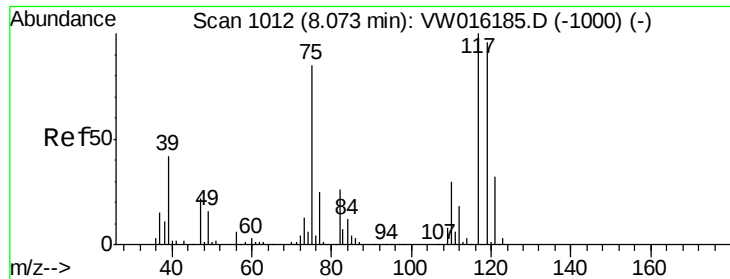
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	83.5	125.3
192	18.4	14.3	21.5



#36
 1,1-Dichloropropene
 Concen: 4.733 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW016310.D
 Acq: 21 Aug 2020 17:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.1	54.3#
77	0.0	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 5.964 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW016310.D

Acq: 21 Aug 2020 17:02

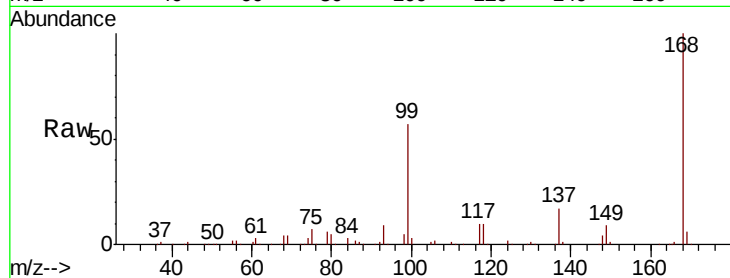
Tot Ion:117 Resp: 17400

Ion Ratio Lower Upper

117 100

119 4.8 76.6 115.0#

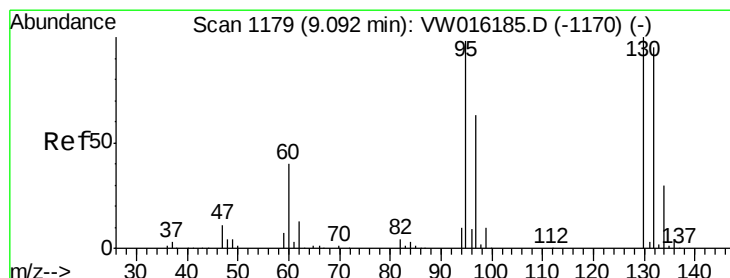
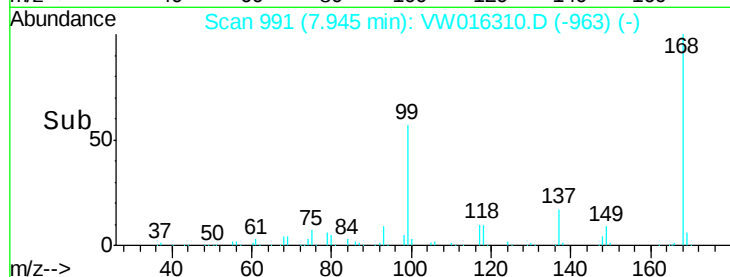
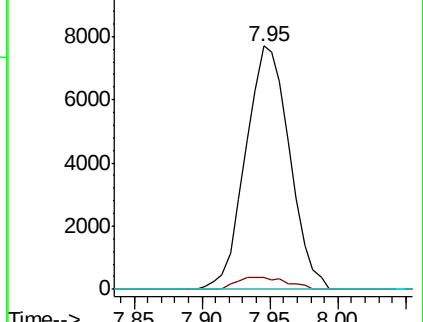
121 0.0 25.4 38.0#



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



#44

Trichloroethene

Concen: 2.672 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW016310.D

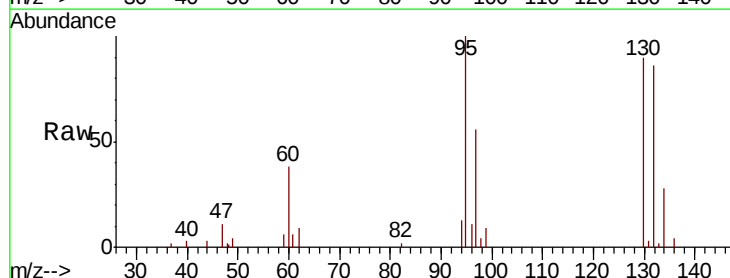
Acq: 21 Aug 2020 17:02

Tgt Ion:130 Resp: 6223

Ion Ratio Lower Upper

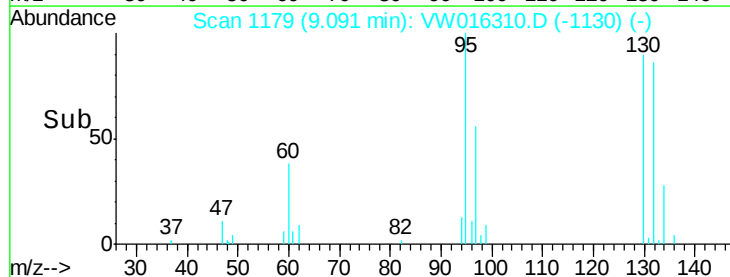
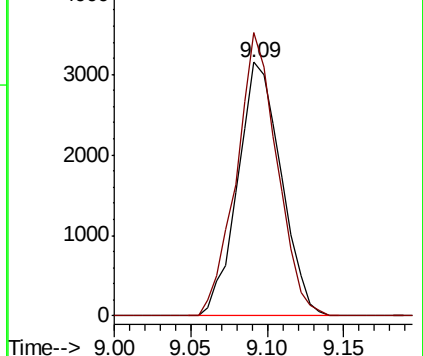
130 100

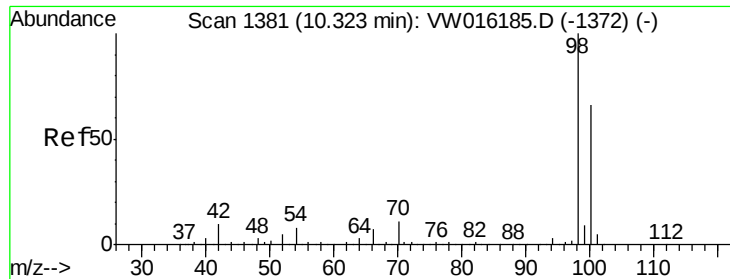
95 111.5 0.0 196.4



Abundance Ion 129.80 (129.50 to 130.50): V

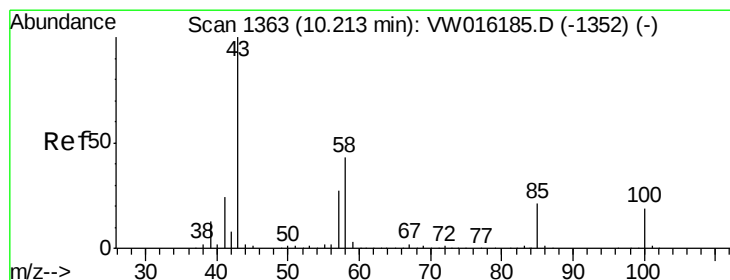
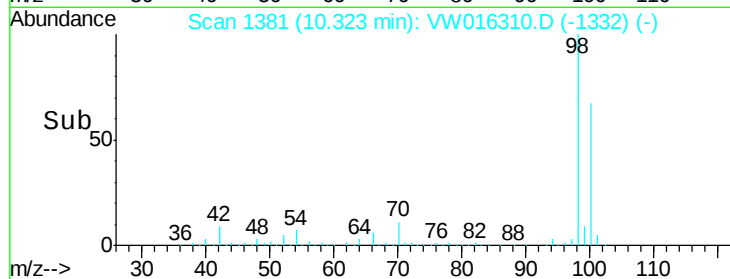
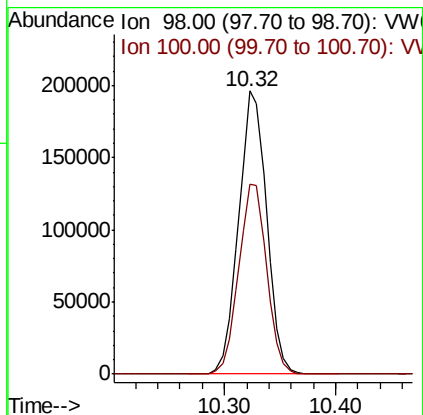
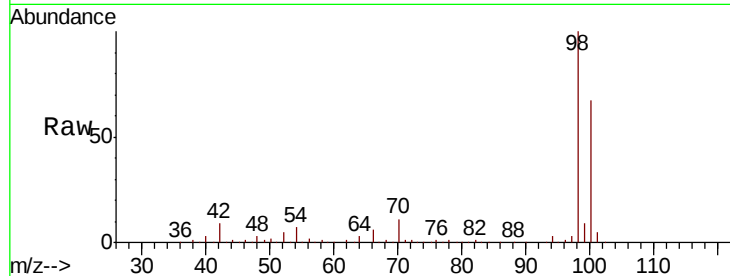
Ion 94.90 (94.60 to 95.60): VV





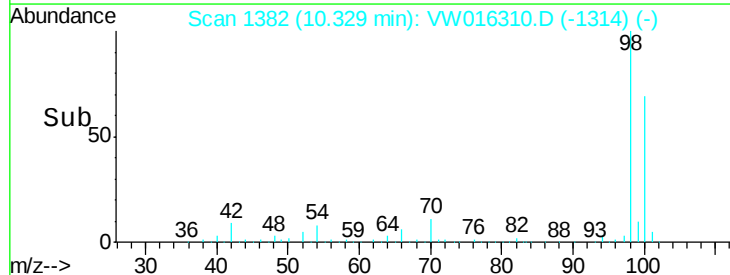
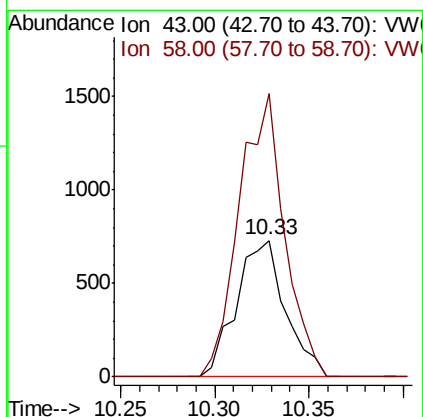
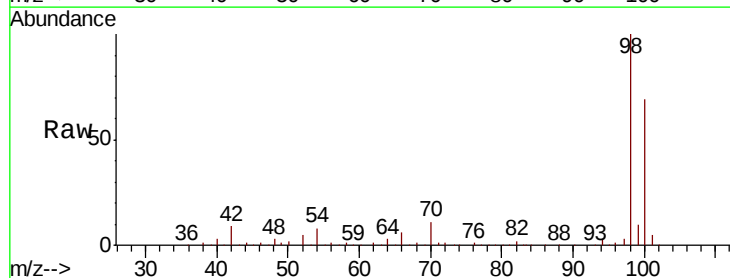
#50
Toluene-d8
Concen: 48.287 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW016310.D
Acq: 21 Aug 2020 17:02

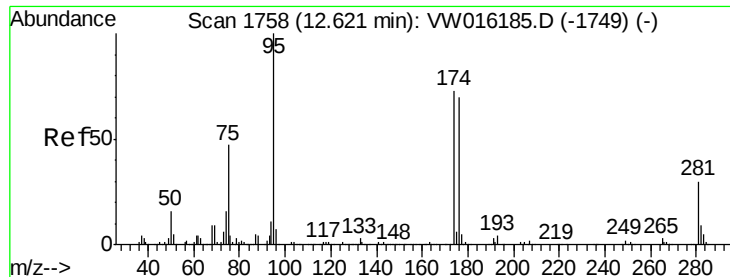
Tot Ion: 98 Resp: 342243
Ion Ratio Lower Upper
98 100
100 67.2 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 1.378 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.12 min
Lab File: VW016310.D
Acq: 21 Aug 2020 17:02

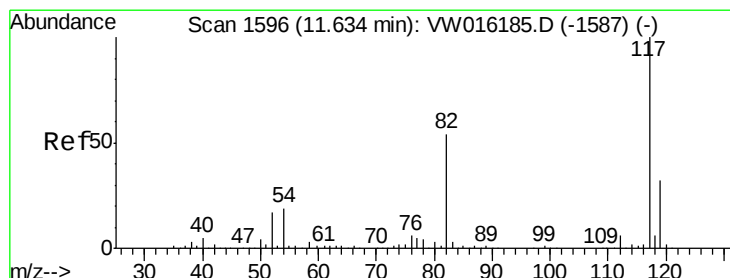
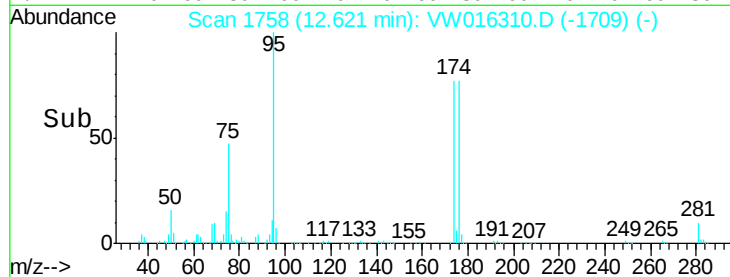
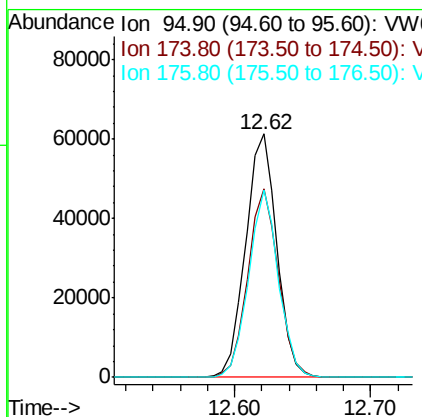
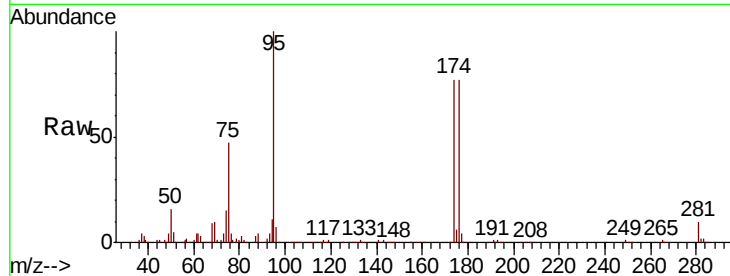
Tgt Ion: 43 Resp: 1314
Ion Ratio Lower Upper
43 100
58 192.7 33.7 50.5#





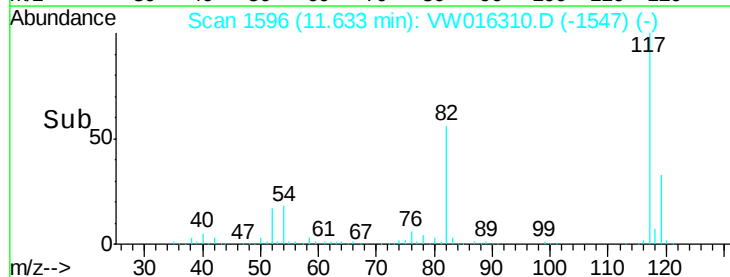
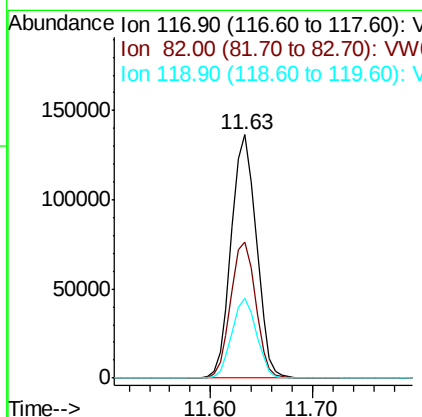
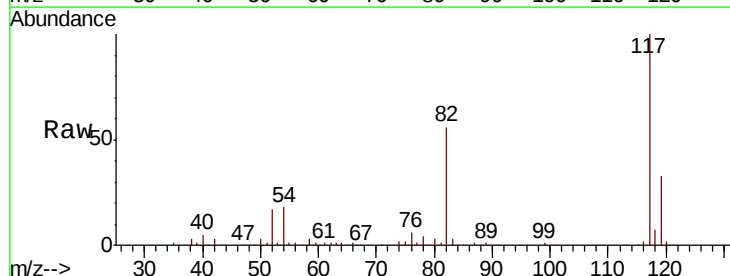
#62
4-Bromofluorobenzene
Concen: 38.893 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW016310.D
Acq: 21 Aug 2020 17:02

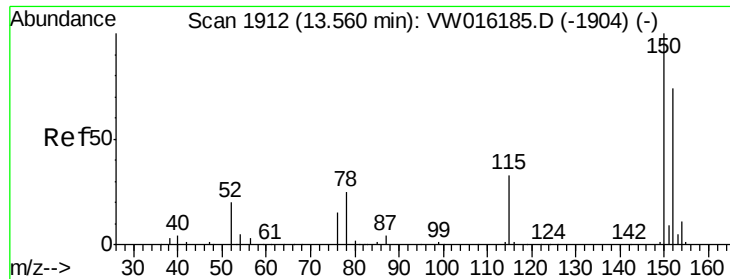
Tot Ion	95	Resp	98536
Ion Ratio	100		
Lower		0.0	145.6
Upper		0.0	137.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW016310.D
Acq: 21 Aug 2020 17:02

Tgt Ion	117	Resp	232548
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower		43.6	65.4
Upper		25.4	38.0

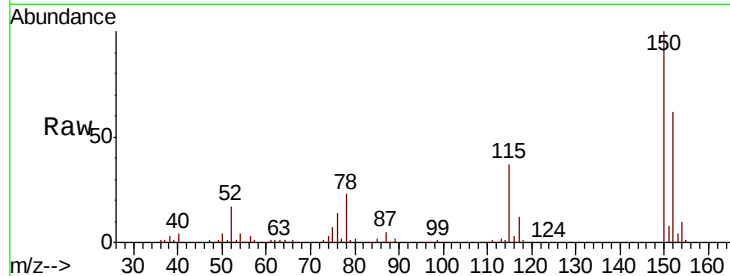




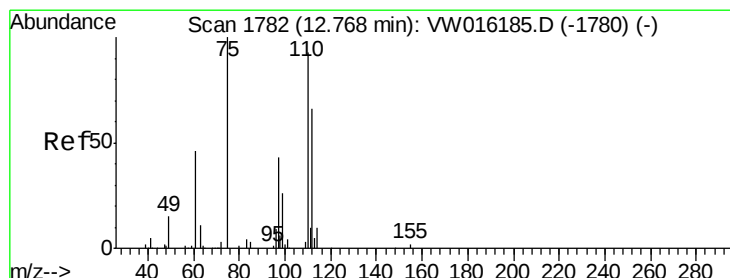
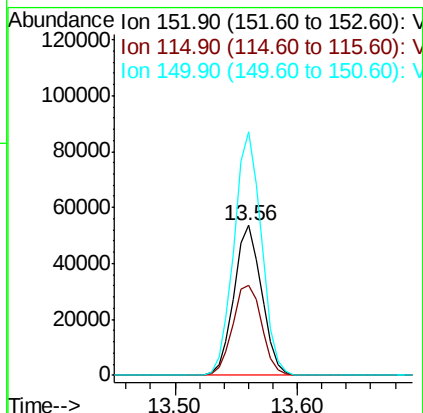
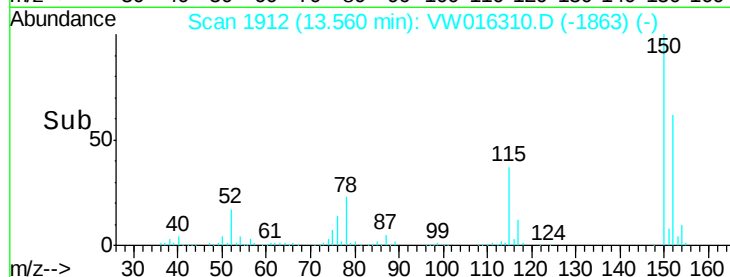
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW016310.D
Acq: 21 Aug 2020 17:02

Tot Ion	Ratio	Lower	Upper
152	100		
115	63.0	30.9	92.5
150	160.4	0.0	337.8



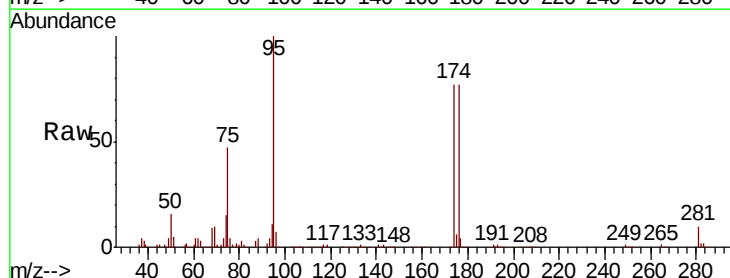
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



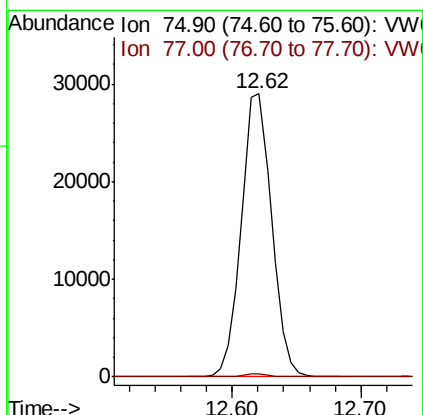
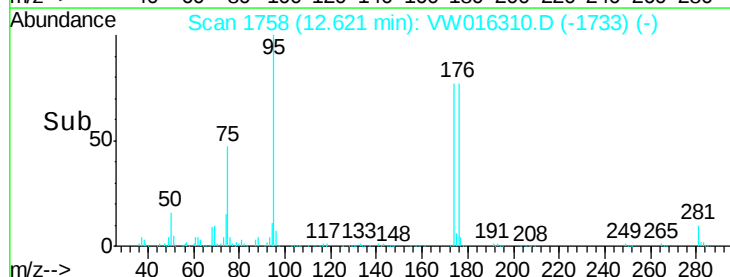
#76

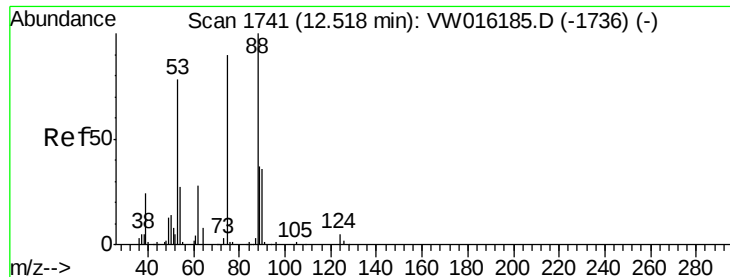
1,2,3-Trichloropropane
Concen: 61.210 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW016310.D
Acq: 21 Aug 2020 17:02

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.1	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: 146.820 ug/l

RT: 12.62 min Scan# 1758

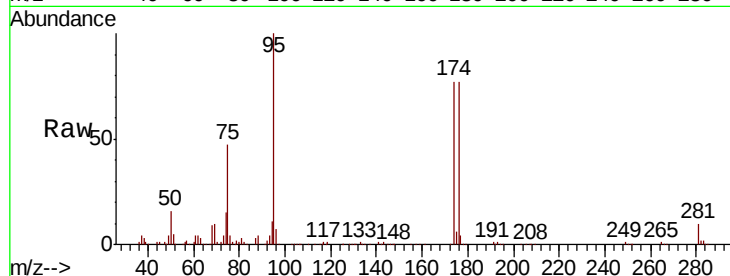
Delta R.T. 0.10 min

Lab File: VW016310.D

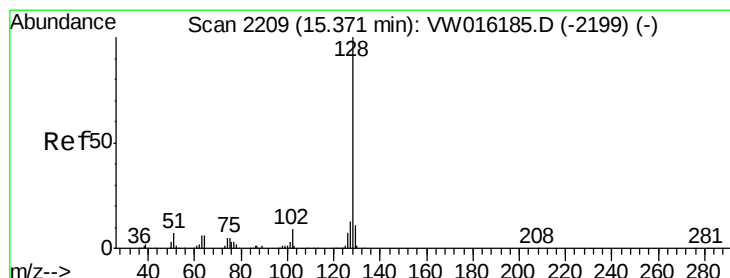
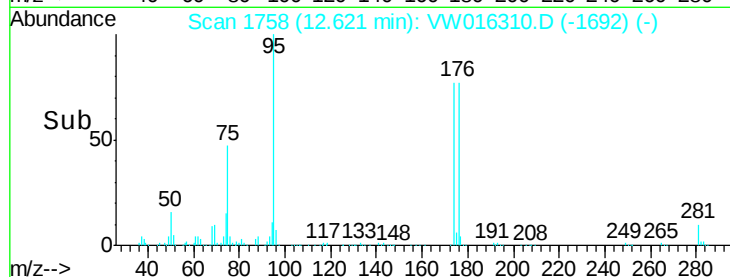
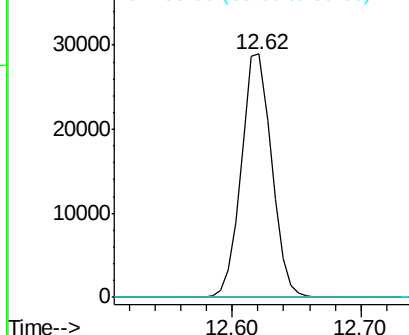
Acq: 21 Aug 2020 17:02

Tot Ion: 75 Resp: 47218

Ion	Ratio	Lower	Upper
75	100		
53	0.0	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



#95

Naphthalene

Concen: 3.799 ug/l

RT: 15.36 min Scan# 2208

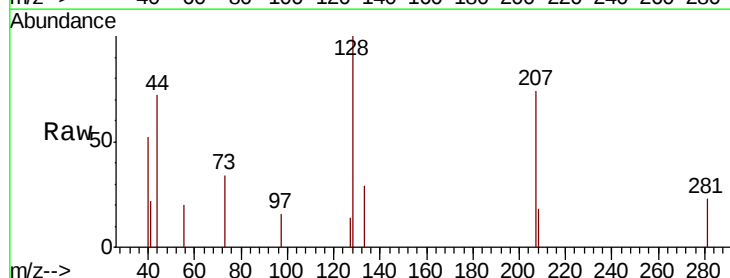
Delta R.T. -0.01 min

Lab File: VW016310.D

Acq: 21 Aug 2020 17:02

Tgt Ion: 128 Resp: 737

Ion	Ratio	Lower	Upper
128	100		
127	9.1	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

