

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW052518\
 Data File : VW002876.D
 Acq On : 25 May 2018 16:33
 Operator : JC/SY
 Sample : J3078-01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 26 00:39:50 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W051518S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 03:32:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	97038	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	179533	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	157530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	60416	50.00	ug/l	0.00

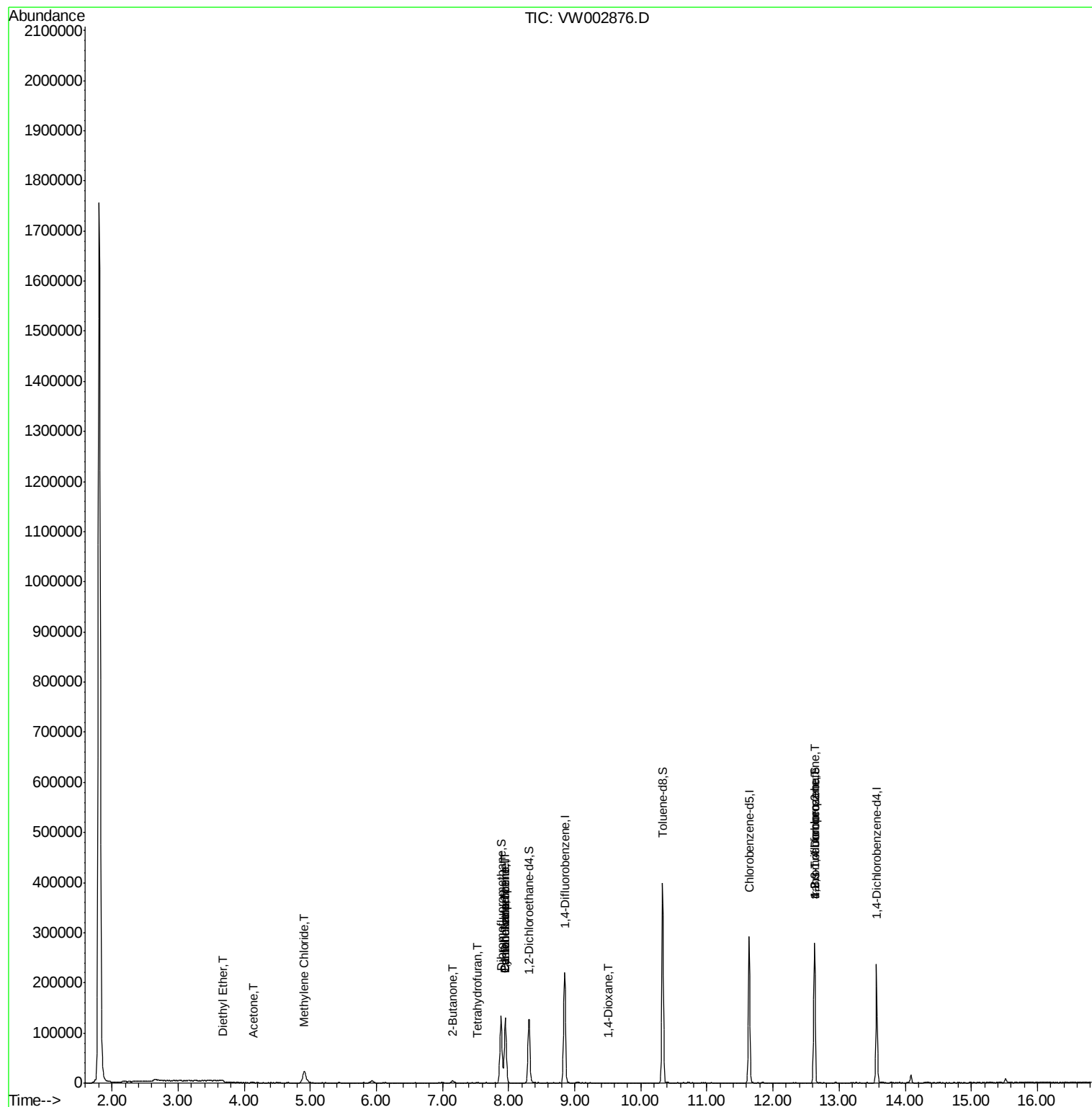
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	101041	100.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.52%	
35) Dibromofluoromethane	7.88	113	89290	78.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	156.80%	
50) Toluene-d8	10.33	98	256354	59.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.32%	
62) 4-Bromofluorobenzene	12.63	95	78614	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	

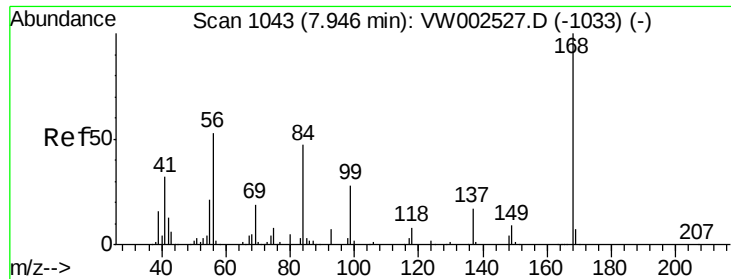
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	882	1.49	ug/l	74
16) Acetone	4.14	43	1376	6.50	ug/l	# 78
20) Methylene Chloride	4.91	84	19681	21.82	ug/l	98
25) 2-Butanone	7.16	43	551	1.84	ug/l	# 49
29) Tetrahydrofuran	7.54	42	273	1.46	ug/l	# 47
31) Cyclohexane	7.95	56	2379	1.67	ug/l	# 37
36) 1,1-Dichloropropene	7.95	75	8156	5.15	ug/l	# 49
38) Carbon Tetrachloride	7.95	117	9439	6.08	ug/l	# 17
49) 1,4-Dioxane	9.51	88	25	2.27	ug/l	# 74
76) 1,2,3-Trichloropropane	12.63	75	41966	73.48	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.63	75	41966	200.35	ug/l	# 8

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

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QLast Update : Tue May 15 03:32:11 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VW002876.D

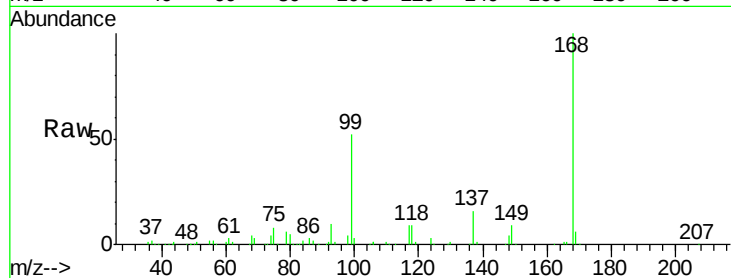
Acq: 25 May 2018 16:33

Tgt Ion: 168 Resp: 97038

Ion Ratio Lower Upper

168 100

99 51.7 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

50000

40000

30000

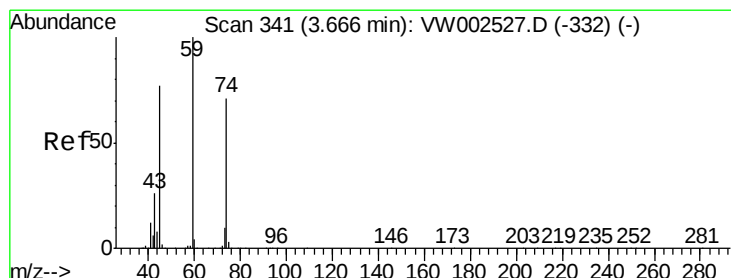
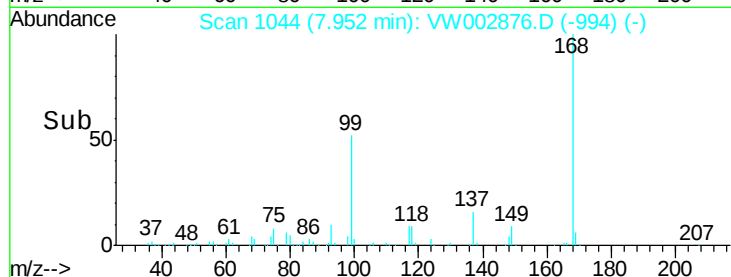
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#8

Diethyl Ether

Concen: 1.49 ug/l

RT: 3.67 min Scan# 342

Delta R.T. 0.01 min

Lab File: VW002876.D

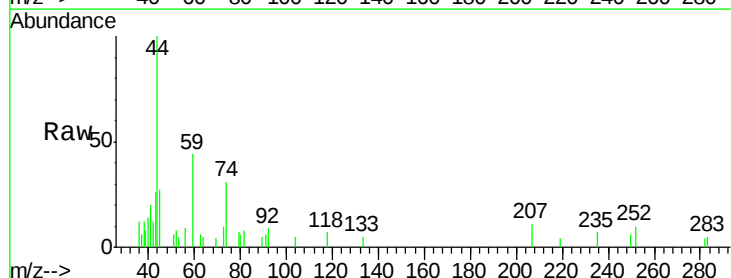
Acq: 25 May 2018 16:33

Tgt Ion: 74 Resp: 882

Ion Ratio Lower Upper

74 100

45 131.0 52.3 156.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

600

500

400

300

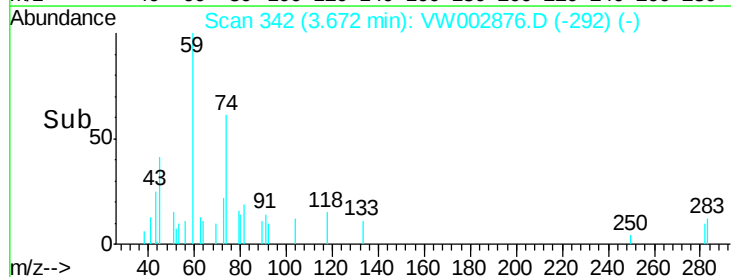
200

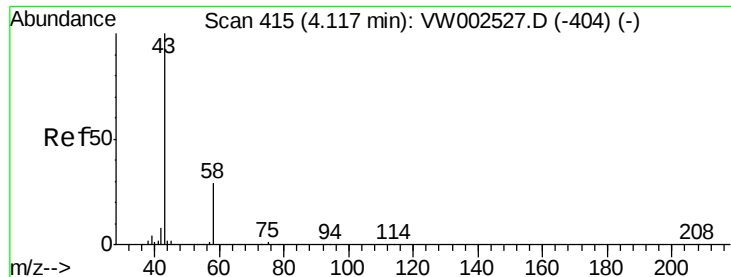
100

0

3.60 3.65 3.70 3.75

Time-->





#16

Acetone

Concen: 6.50 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.02 min

Lab File: VW002876.D

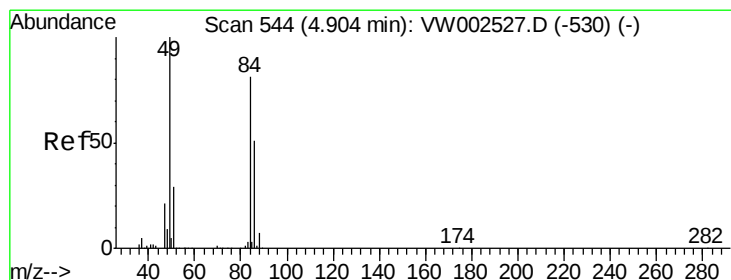
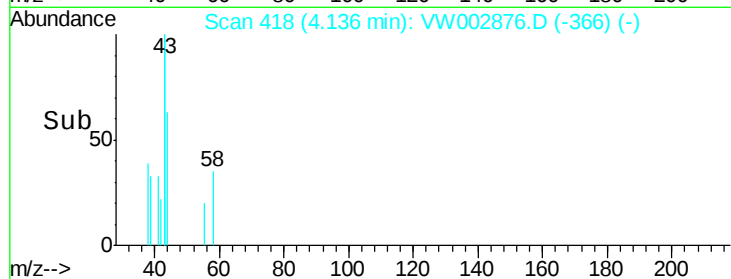
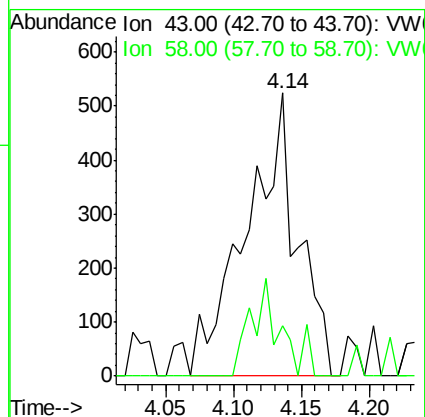
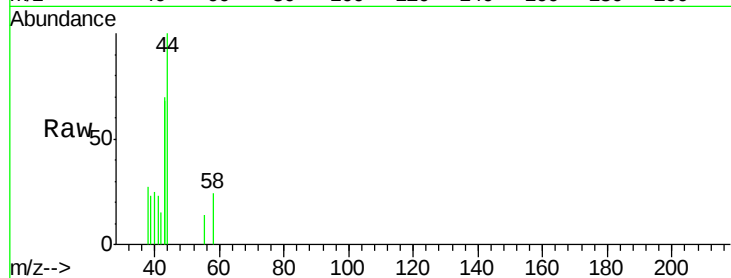
Acq: 25 May 2018 16:33

Tgt Ion: 43 Resp: 1376

Ion Ratio Lower Upper

43 100

58 17.6 23.4 35.0#



#20

Methylene Chloride

Concen: 21.82 ug/l

RT: 4.91 min Scan# 545

Delta R.T. 0.01 min

Lab File: VW002876.D

Acq: 25 May 2018 16:33

Tgt Ion: 84 Resp: 19681

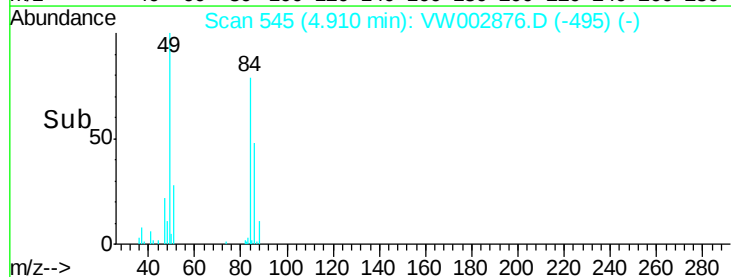
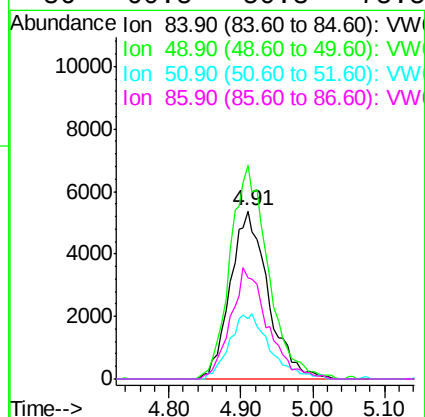
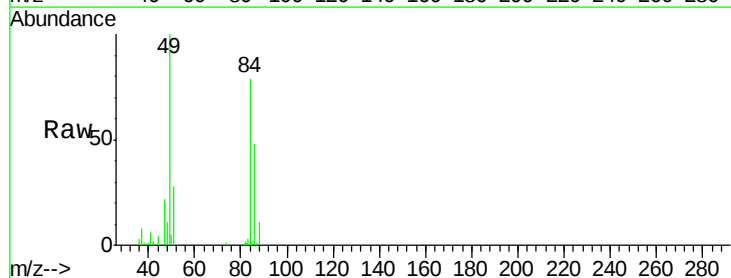
Ion Ratio Lower Upper

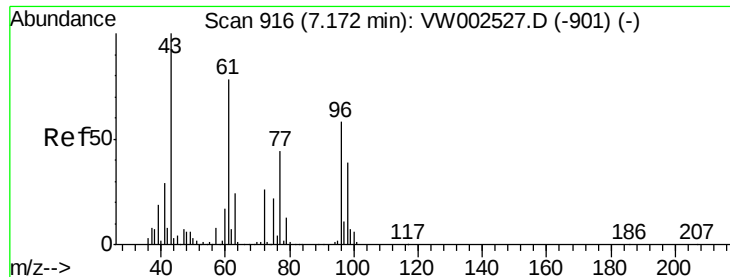
84 100

49 127.0 99.4 149.0

51 35.6 29.0 43.6

86 60.5 50.3 75.5





#25

2-Butanone

Concen: 1.84 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW002876.D

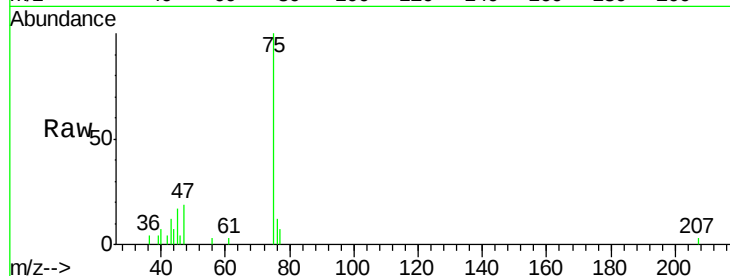
Acq: 25 May 2018 16:33

Tgt Ion: 43 Resp: 551

Ion Ratio Lower Upper

43 100

72 0.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.16

250

200

150

100

50

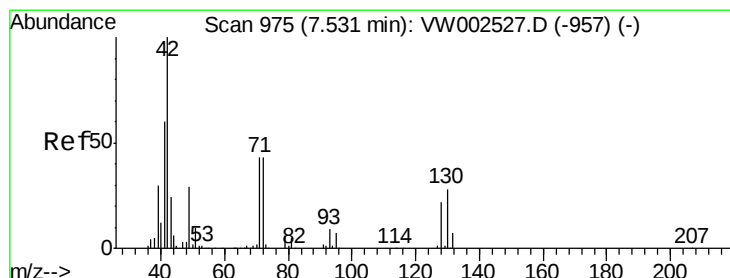
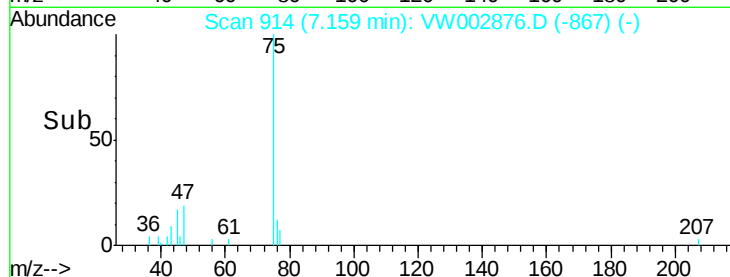
0

7.10

7.15

7.20

Time-->



#29

Tetrahydrofuran

Concen: 1.46 ug/l

RT: 7.54 min Scan# 976

Delta R.T. 0.01 min

Lab File: VW002876.D

Acq: 25 May 2018 16:33

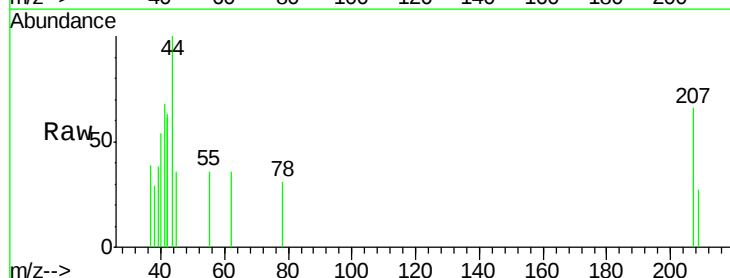
Tgt Ion: 42 Resp: 273

Ion Ratio Lower Upper

42 100

72 0.0 35.0 52.4#

71 17.6 33.0 49.6#



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

7.54

300

200

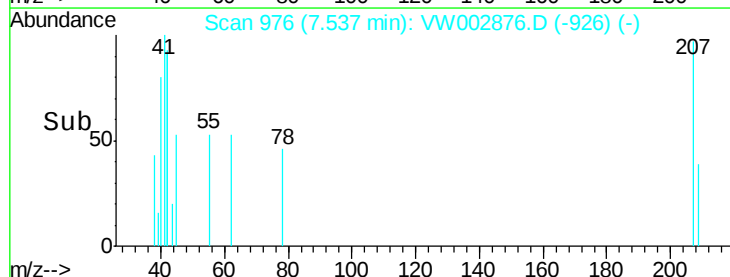
100

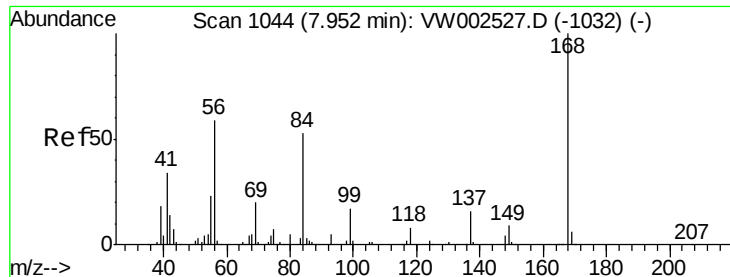
0

7.50

7.55

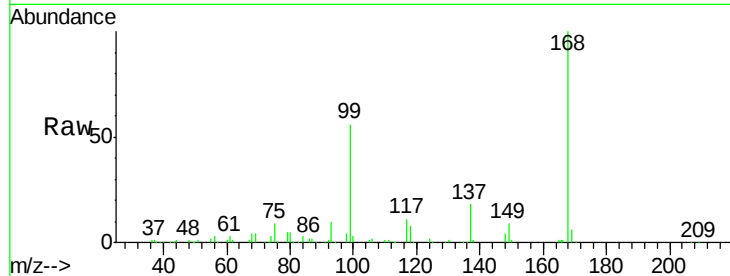
Time-->



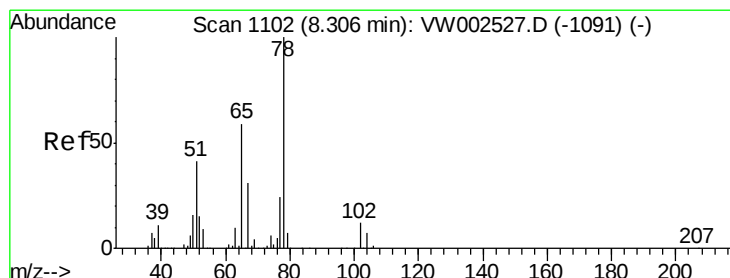
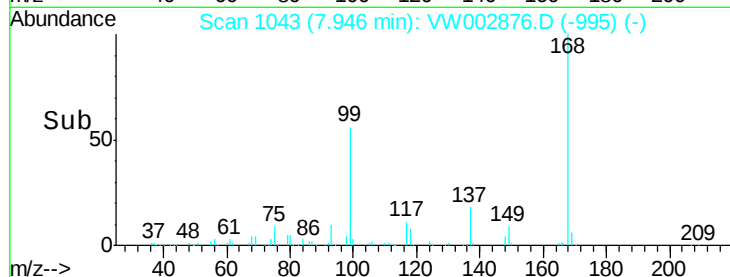
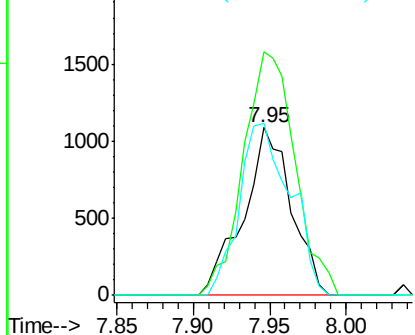


#31
Cyclohexane
Concen: 1.67 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW002876.D
Acq: 25 May 2018 16:33

Tgt Ion: 56 Resp: 2379
Ion Ratio Lower Upper
56 100
69 145.0 27.0 40.4#
84 102.5 72.2 108.2

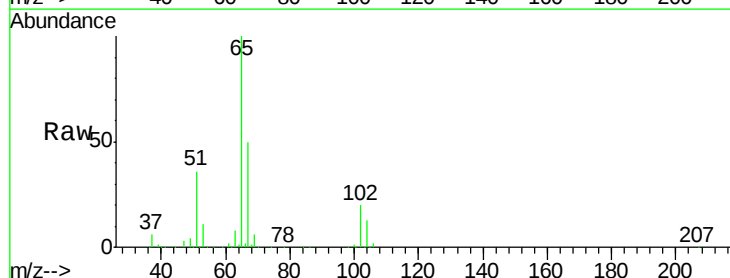


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

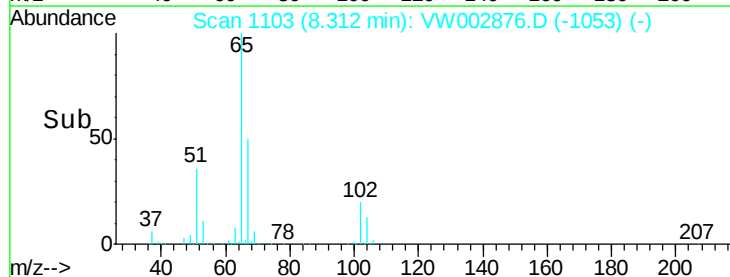
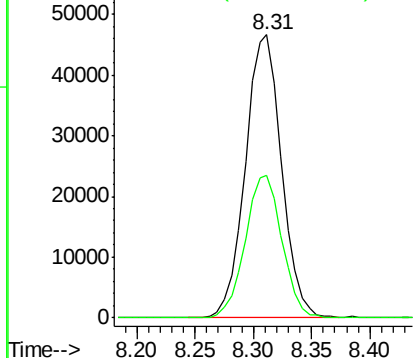


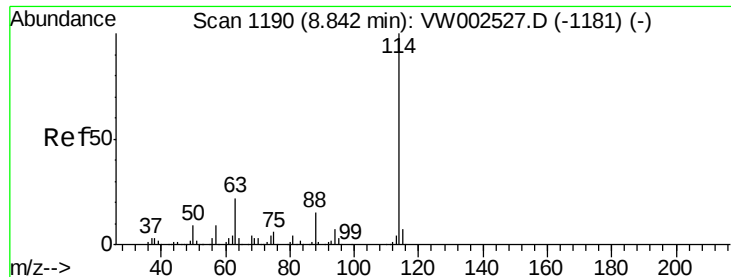
#33
1,2-Dichloroethane-d4
Concen: 100.76 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.01 min
Lab File: VW002876.D
Acq: 25 May 2018 16:33

Tgt Ion: 65 Resp: 101041
Ion Ratio Lower Upper
65 100
67 51.1 0.0 104.4



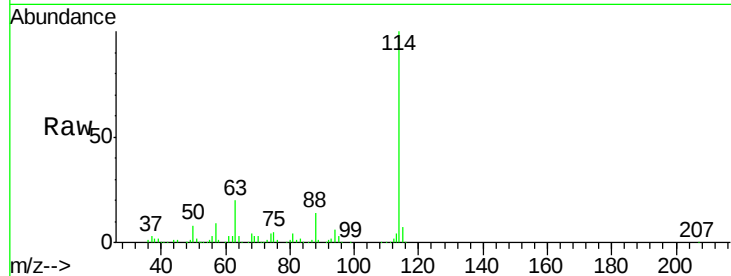
Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW



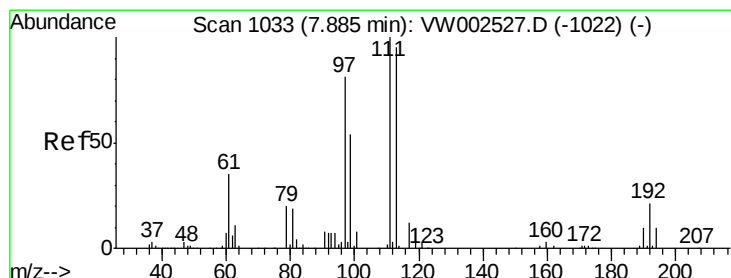
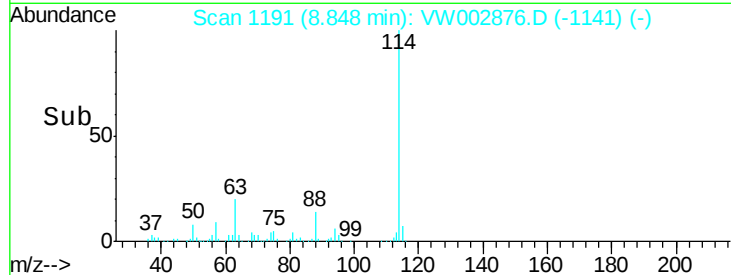
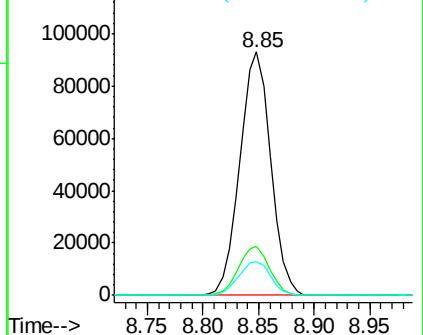


#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: VW002876.D
 Acq: 25 May 2018 16:33

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	43.2
88	14.1	0.0	29.2

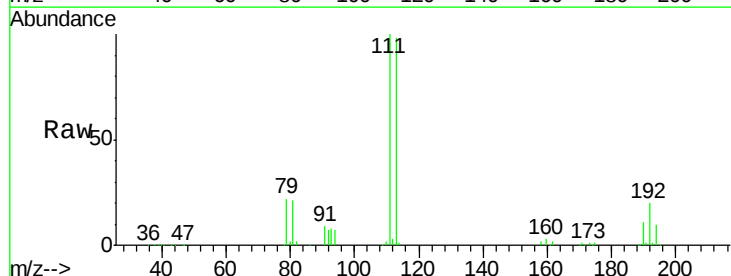


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

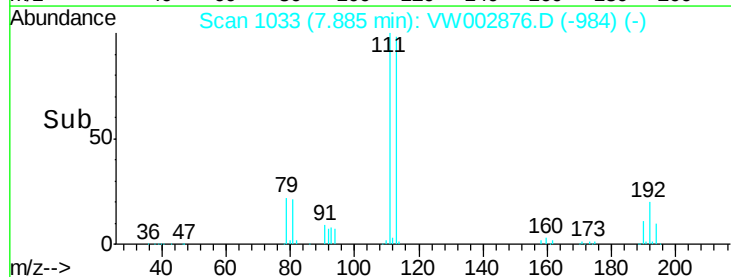
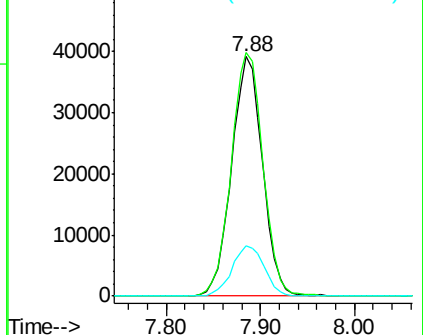


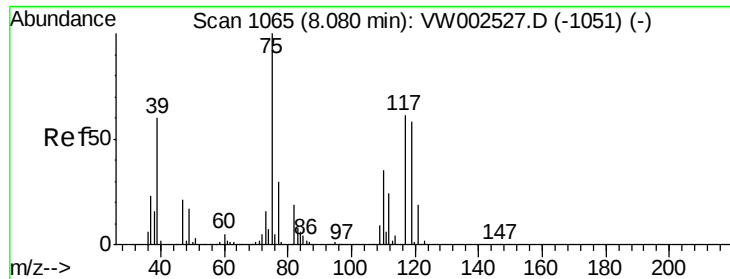
#35
 Dibromofluoromethane
 Concen: 78.40 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW002876.D
 Acq: 25 May 2018 16:33

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.4	81.8	122.8
192	21.9	17.5	26.3



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: 5.15 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.13 min

Lab File: VW002876.D

Acq: 25 May 2018 16:33

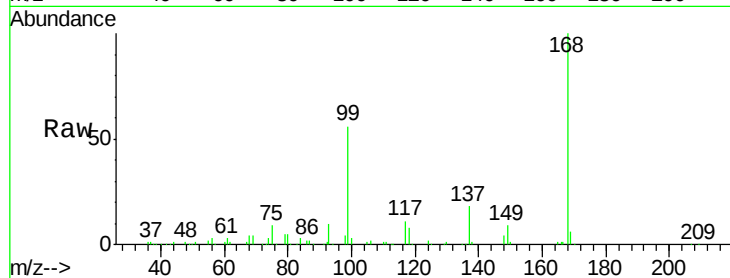
Tgt Ion: 75 Resp: 8156

Ion Ratio Lower Upper

75 100

110 8.7 17.8 53.5#

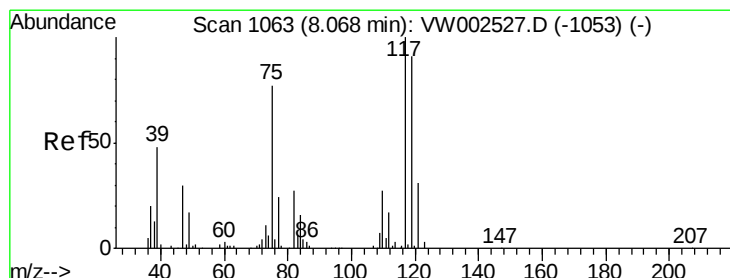
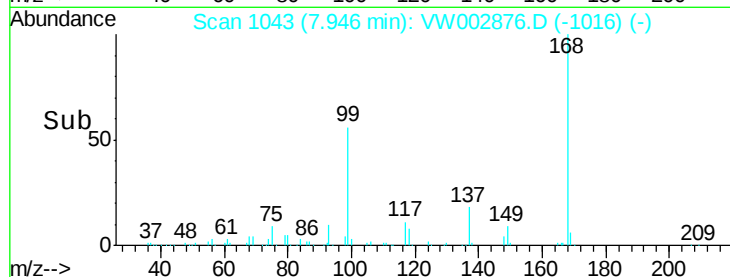
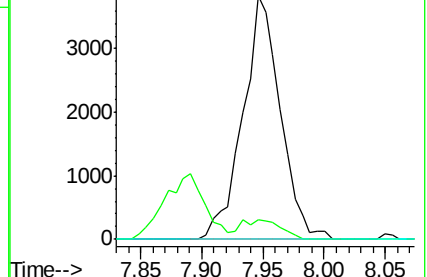
77 0.0 24.5 36.7#



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: 6.08 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW002876.D

Acq: 25 May 2018 16:33

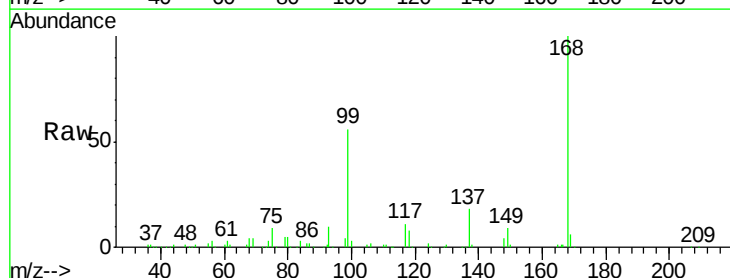
Tgt Ion: 117 Resp: 9439

Ion Ratio Lower Upper

117 100

119 3.5 73.1 109.7#

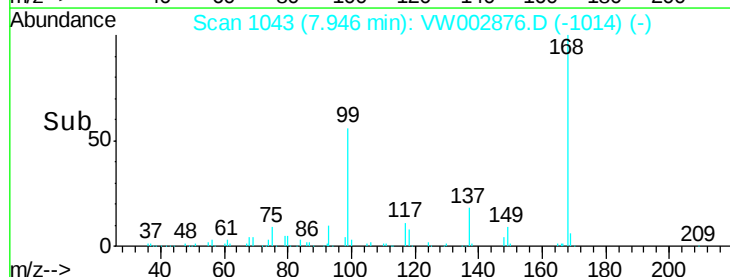
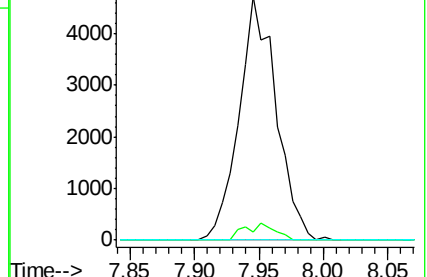
121 0.0 24.4 36.6#

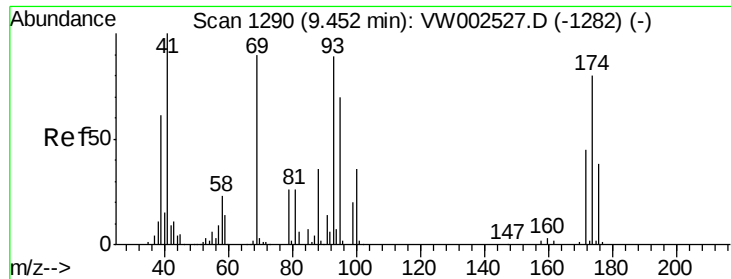


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 2.27 ug/l

RT: 9.51 min Scan# 1299

Delta R.T. 0.05 min

Lab File: VW002876.D

Acq: 25 May 2018 16:33

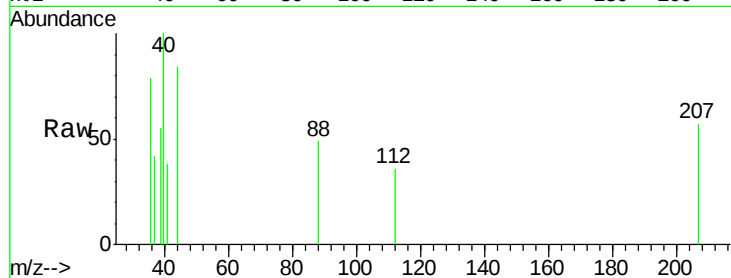
Tgt Ion: 88 Resp: 25

Ion Ratio Lower Upper

88 100

43 0.0 27.0 40.4#

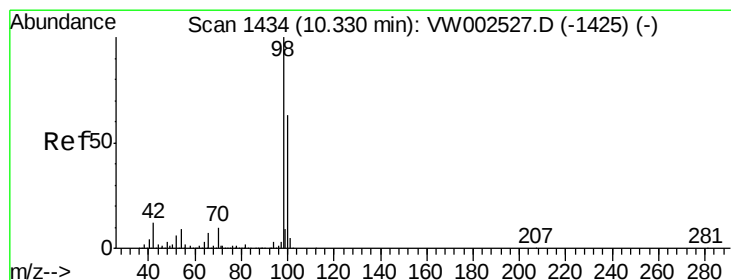
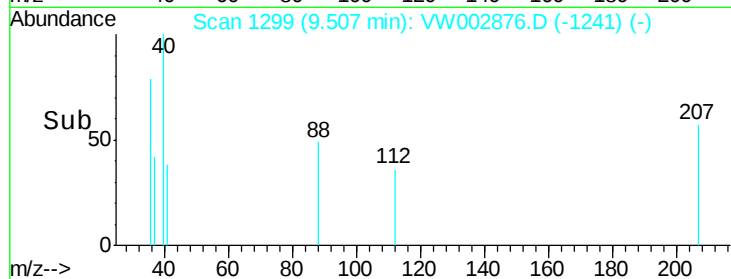
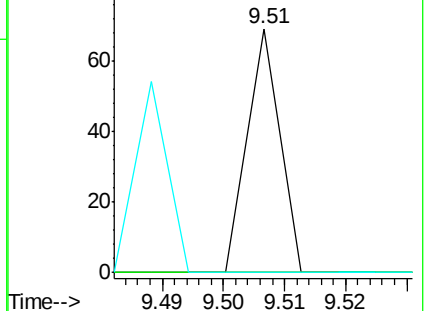
58 80.0 56.9 85.3



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 59.16 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW002876.D

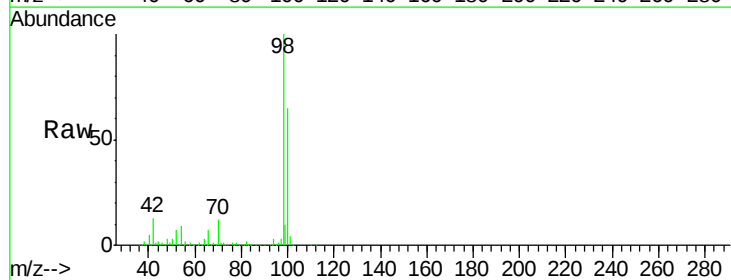
Acq: 25 May 2018 16:33

Tgt Ion: 98 Resp: 256354

Ion Ratio Lower Upper

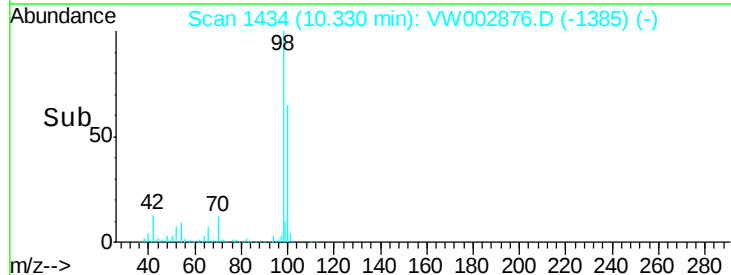
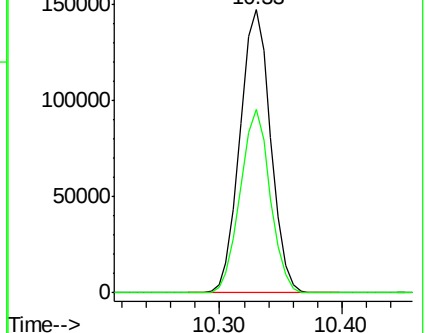
98 100

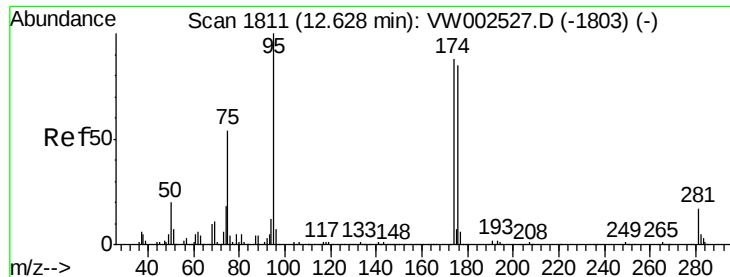
100 63.1 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VW

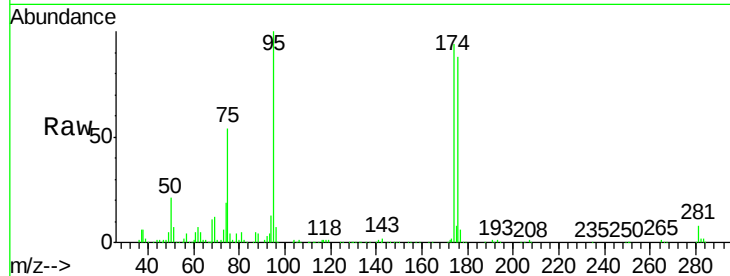
Ion 100.00 (99.70 to 100.70): VW



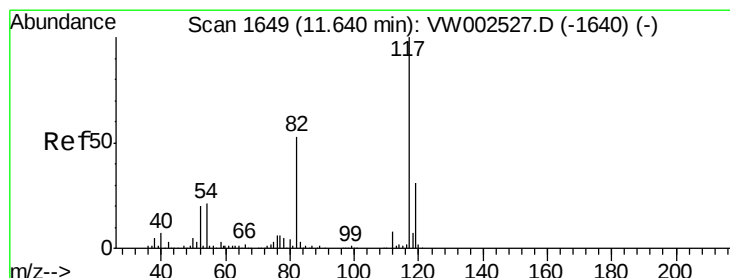
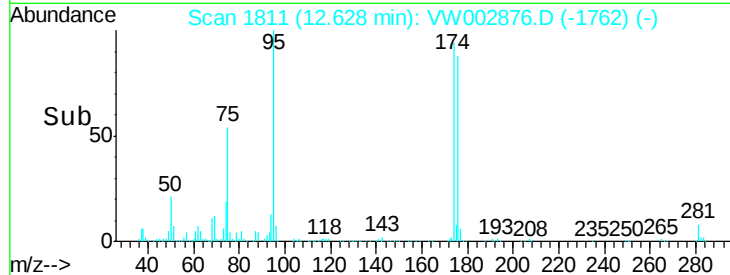
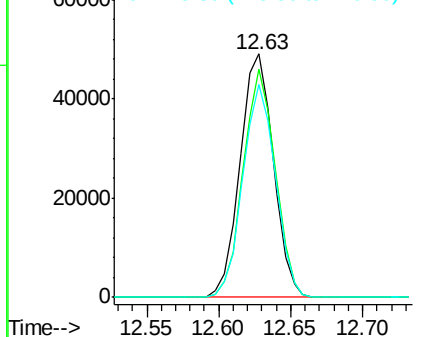


#62
4-Bromofluorobenzene
Concen: 49.61 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW002876.D
Acq: 25 May 2018 16:33

Tgt Ion: 95 Resp: 78614
Ion Ratio Lower Upper
95 100
174 90.3 0.0 176.6
176 85.9 0.0 172.2

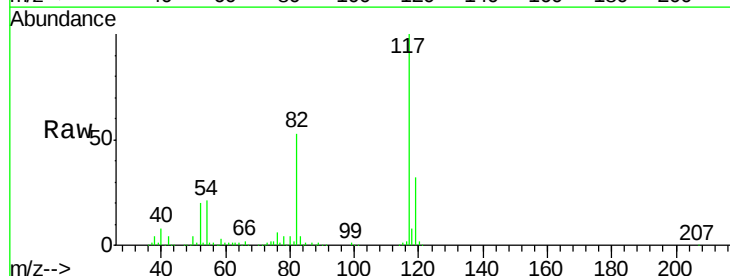


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

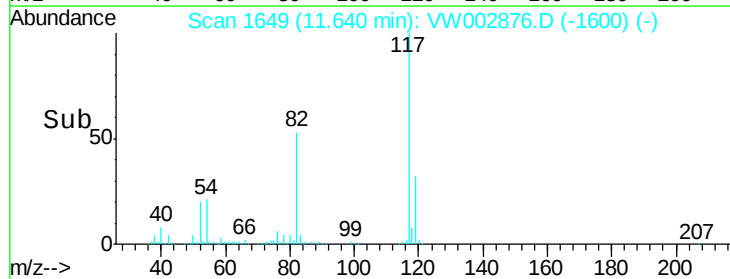
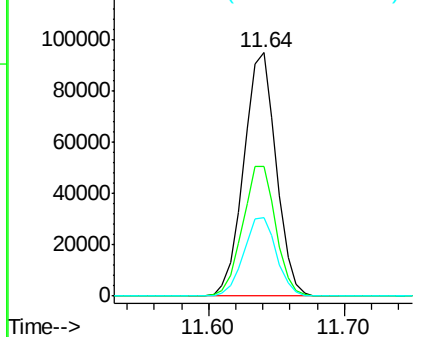


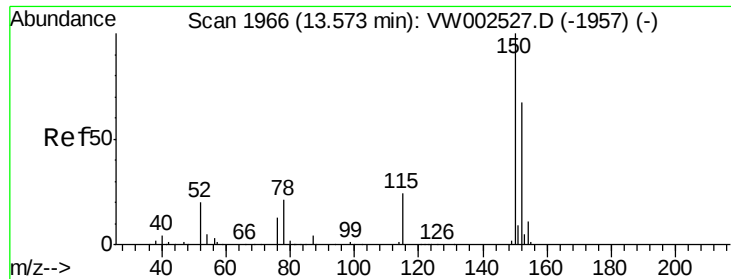
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW002876.D
Acq: 25 May 2018 16:33

Tgt Ion: 117 Resp: 157530
Ion Ratio Lower Upper
117 100
82 53.2 42.6 64.0
119 32.3 25.0 37.6



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

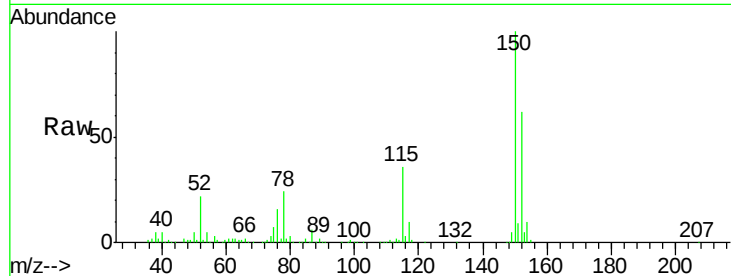




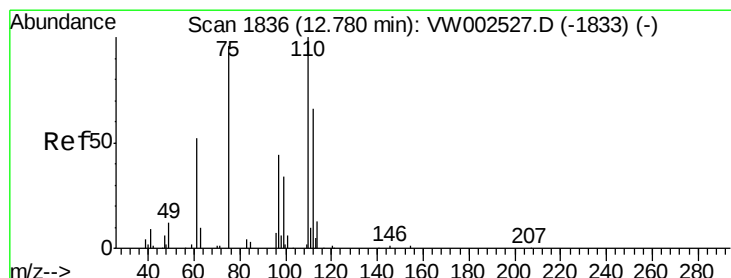
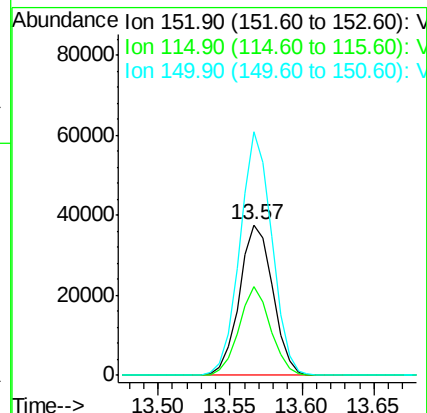
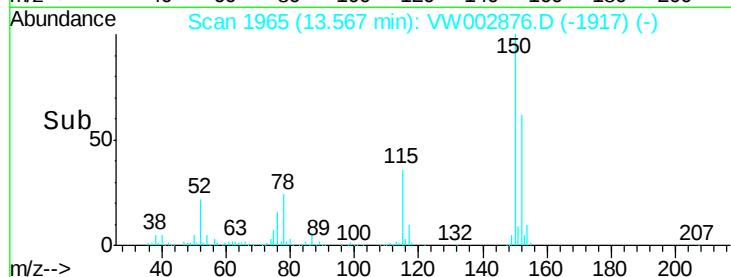
#72

1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.01 min
Lab File: VW002876.D
Acq: 25 May 2018 16:33

Tgt Ion: 152 Resp: 60416
Ion Ratio Lower Upper
152 100
115 56.0 28.0 84.0
150 155.4 0.0 345.4



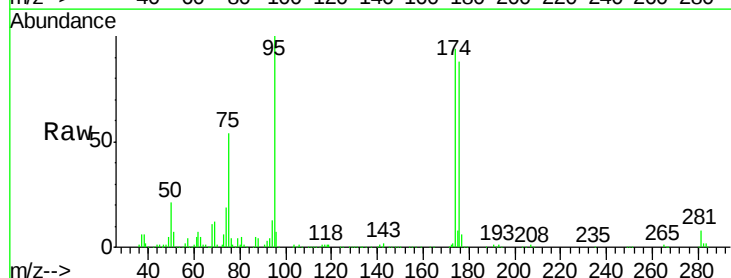
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



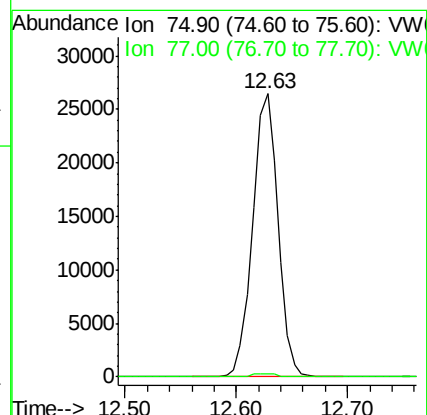
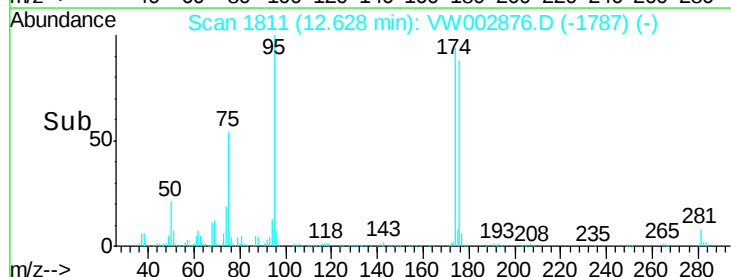
#76

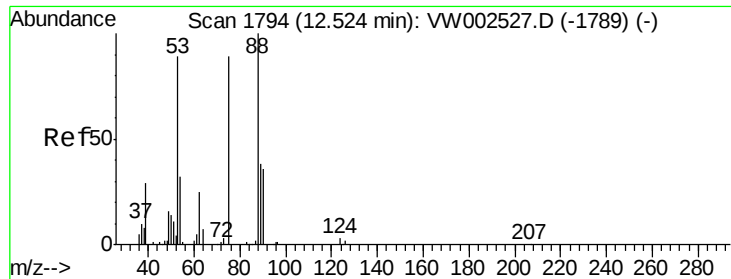
1,2,3-Trichloropropane
Concen: 73.48 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. -0.15 min
Lab File: VW002876.D
Acq: 25 May 2018 16:33

Tgt Ion: 75 Resp: 41966
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



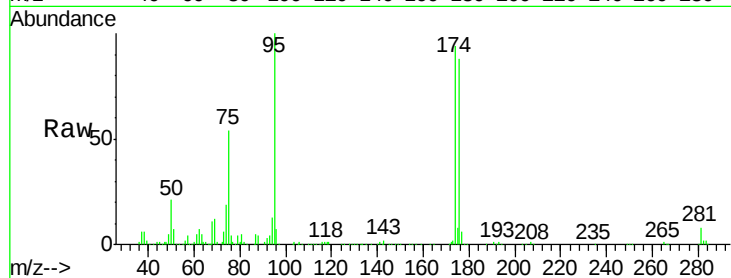
Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#81
 trans-1,4-Dichloro-2-butene
 Concen: 200.35 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. 0.10 min
 Lab File: VW002876.D
 Acq: 25 May 2018 16:33

Tgt Ion: 75 Resp: 41966
 Ion Ratio Lower Upper
 75 100
 53 0.2 82.6 124.0#
 89 0.2 39.2 58.8#



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

