

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061720\
 Data File : VN061853.D
 Acq On : 17 Jun 2020 17:03
 Operator : JC/MD
 Sample : L2989-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 REDUP02-20200609

Quant Time: Jun 18 03:55:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	139582	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	254457	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	239192	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	91638	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	91453	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
35) Dibromofluoromethane	7.55	113	80938	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
50) Toluene-d8	10.06	98	314627	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
62) 4-Bromofluorobenzene	12.38	95	101565	46.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.54%	

Target Compounds

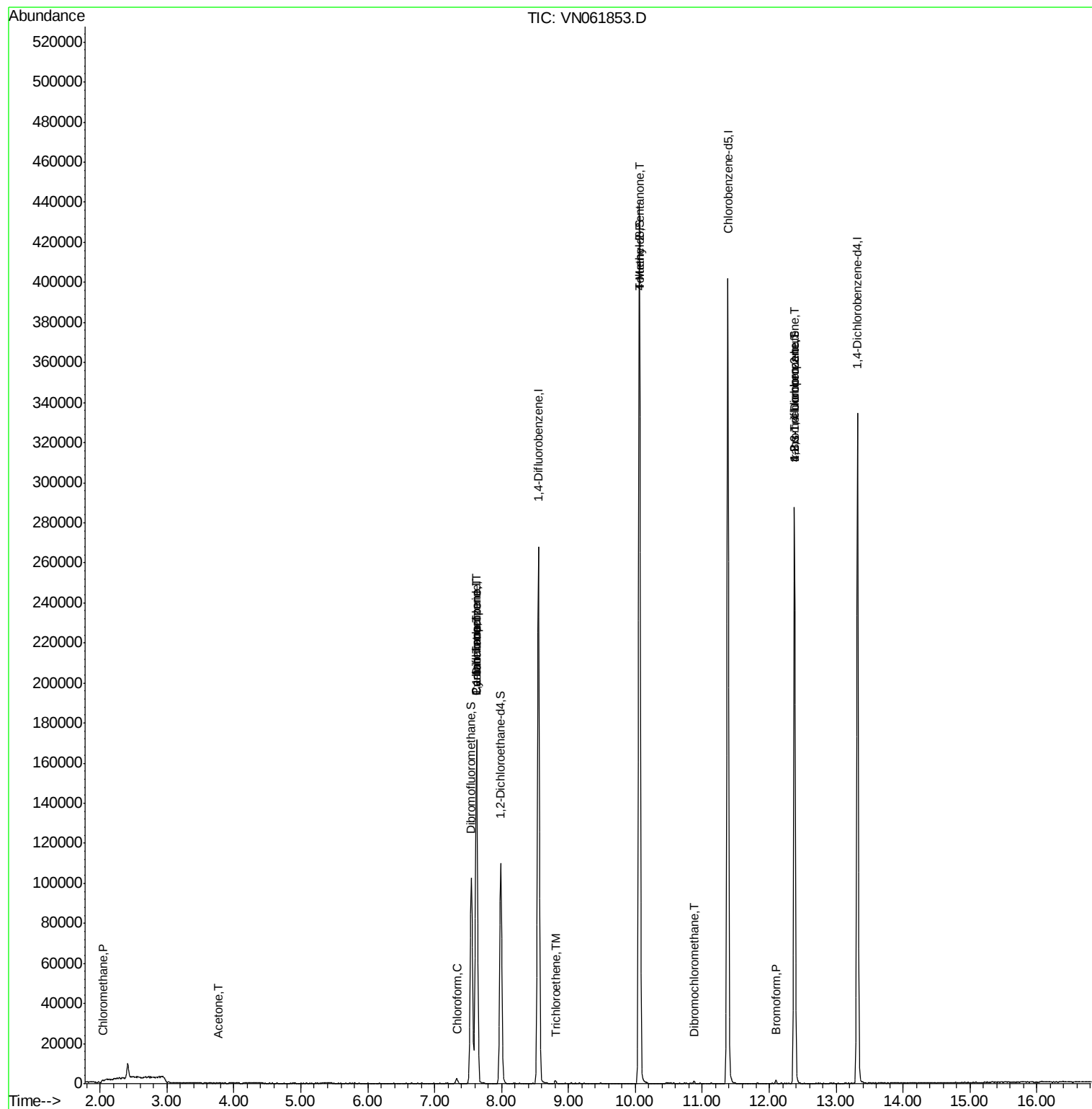
					Qvalue	
3) Chloromethane	2.03	50	561	0.290	ug/l	# 42
16) Acetone	3.78	43	241	0.436	ug/l	# 40
30) Chloroform	7.33	83	2777	0.922	ug/l	# 96
31) Cyclohexane	7.63	56	2981	1.208	ug/l	# 27
36) 1,1-Dichloropropene	7.62	75	10999	4.739	ug/l	# 48
38) Carbon Tetrachloride	7.63	117	13706	5.963	ug/l	# 15
44) Trichloroethene	8.80	130	508	0.275	ug/l	# 91
51) 4-Methyl-2-Pentanone	10.06	43	1081	0.599	ug/l	# 1
60) Dibromochloromethane	10.87	129	895	0.462	ug/l	# 77
71) Bromoform	12.10	173	904	0.704	ug/l	# 79
76) 1,2,3-Trichloropropane	12.38	75	50765	28.217	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.38	75	50765	76.960	ug/l	# 14

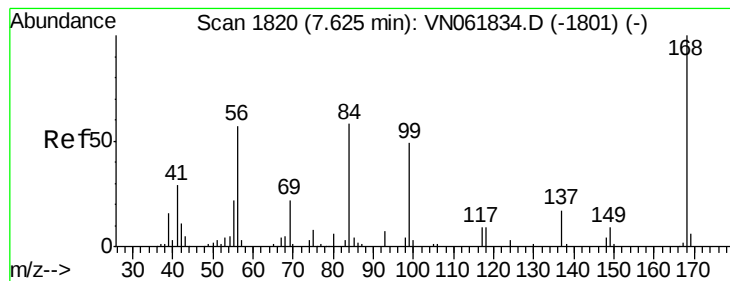
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061853.D

Acq: 17 Jun 2020 17:03

Instrument :

MSVOA_N

ClientSampleId :

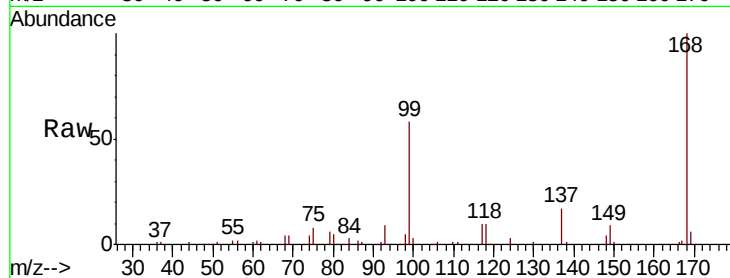
REDUP02-20200609

Tot Ion:168 Resp: 139582

Ion Ratio Lower Upper

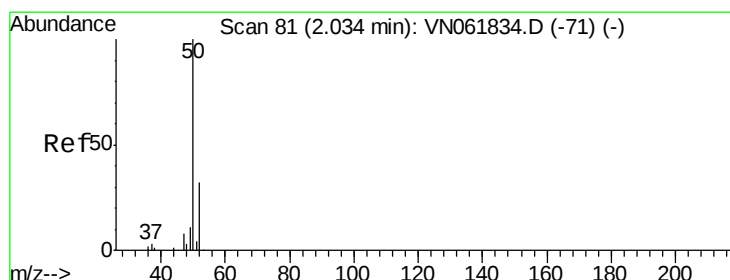
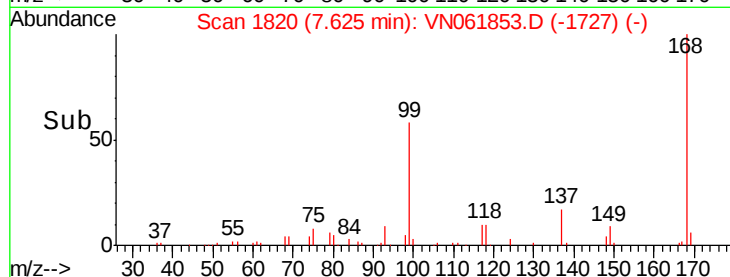
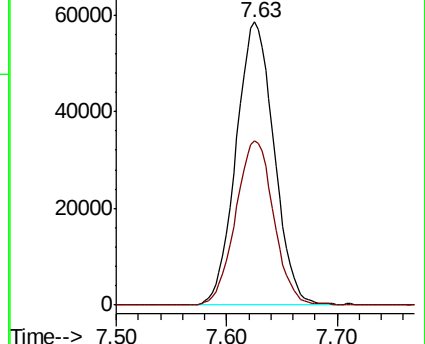
168 100

99 57.9 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#3

Chloromethane

Concen: 0.290 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061853.D

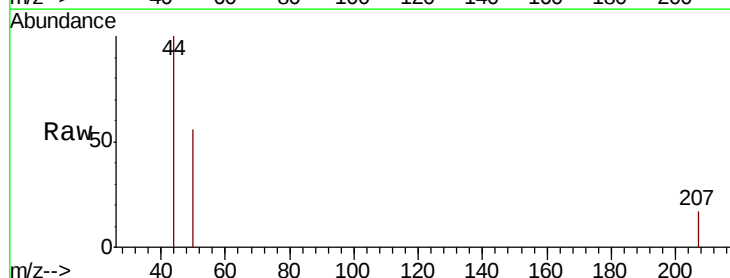
Acq: 17 Jun 2020 17:03

Tgt Ion: 50 Resp: 561

Ion Ratio Lower Upper

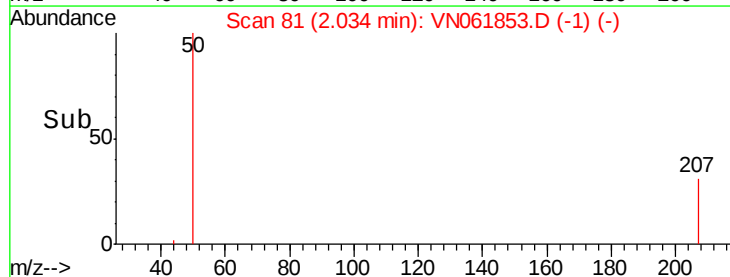
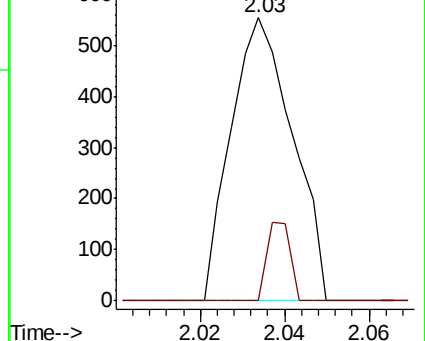
50 100

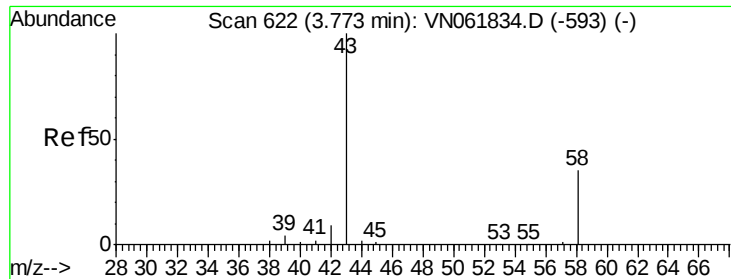
52 0.0 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0





#16

Acetone

Concen: 0.436 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN061853.D

Acq: 17 Jun 2020 17:03

Instrument :

MSVOA_N

ClientSampleId :

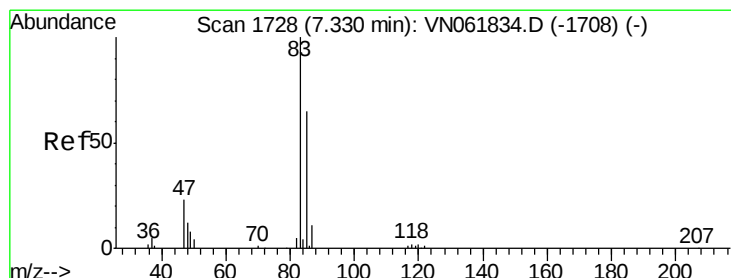
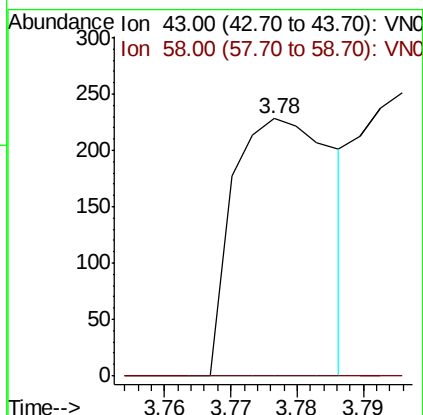
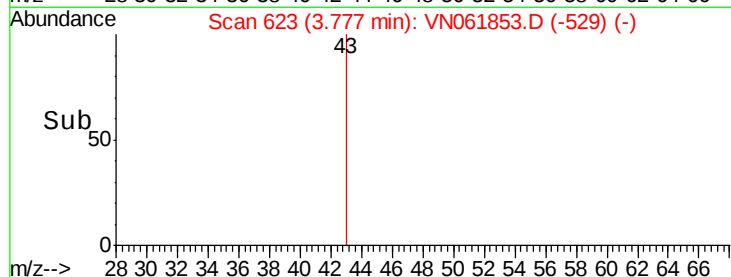
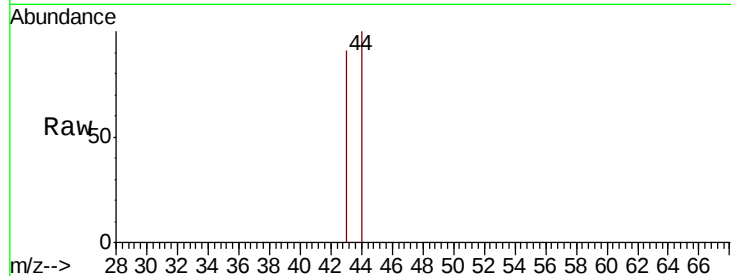
REDUP02-20200609

Tot Ion: 43 Resp: 241

Ion Ratio Lower Upper

43 100

58 0.0 27.8 41.8#



#30

Chloroform

Concen: 0.922 ug/l

RT: 7.33 min Scan# 1728

Delta R.T. -0.00 min

Lab File: VN061853.D

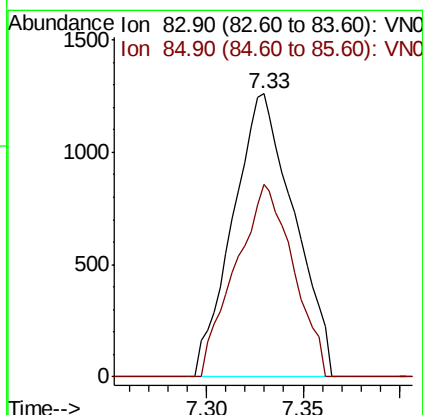
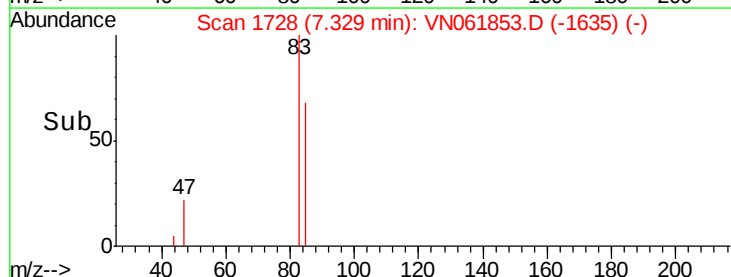
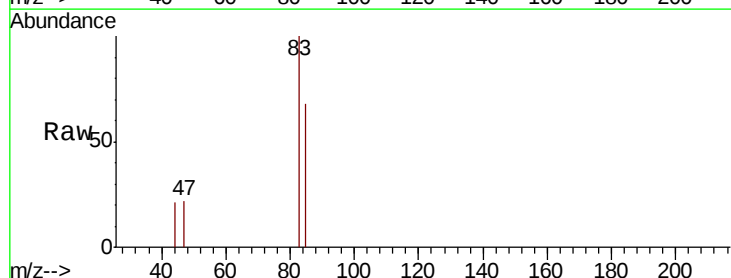
Acq: 17 Jun 2020 17:03

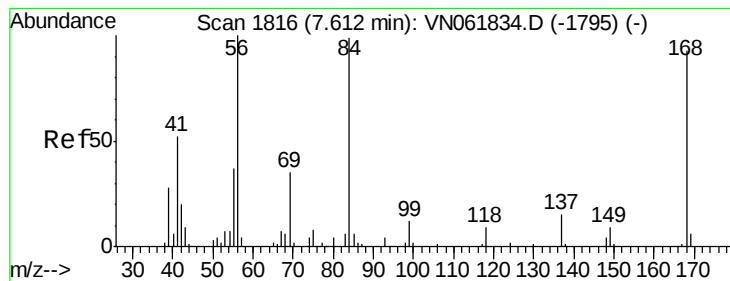
Tgt Ion: 83 Resp: 2777

Ion Ratio Lower Upper

83 100

85 68.0 52.0 78.0





#31

Cyclohexane

Concen: 1.208 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN061853.D

Acq: 17 Jun 2020 17:03

Instrument :

MSVOA_N

ClientSampleId :

REDUP02-20200609

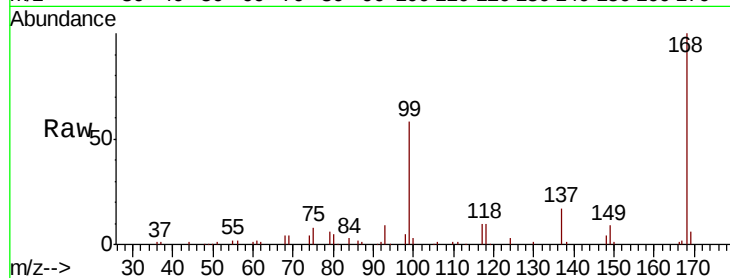
Tot Ion: 56 Resp: 2981

Ion Ratio Lower Upper

56 100

69 160.6 27.7 41.5#

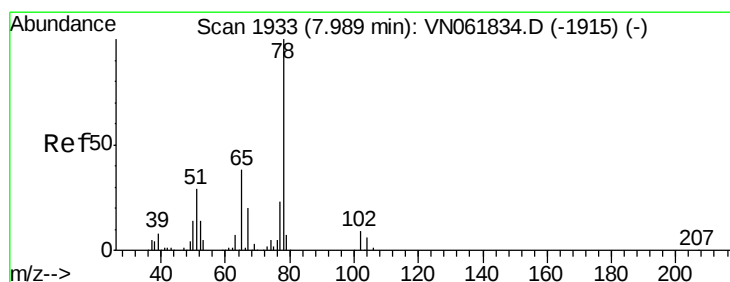
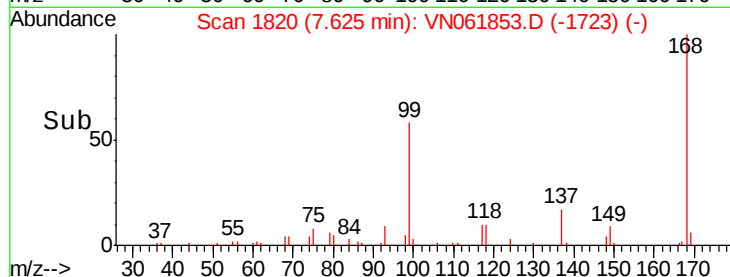
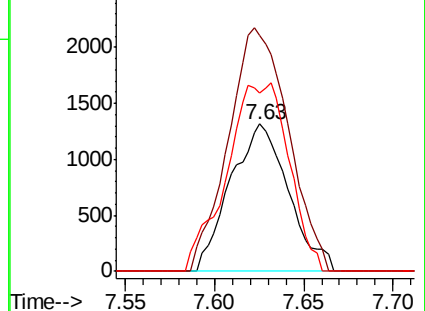
84 121.1 79.1 118.7#



Abundance Ion 56.00 (55.70 to 56.70): VN061853.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN061853.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN061853.D (-1723) (-)



#33

1,2-Dichloroethane-d4

Concen: 48.853 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN061853.D

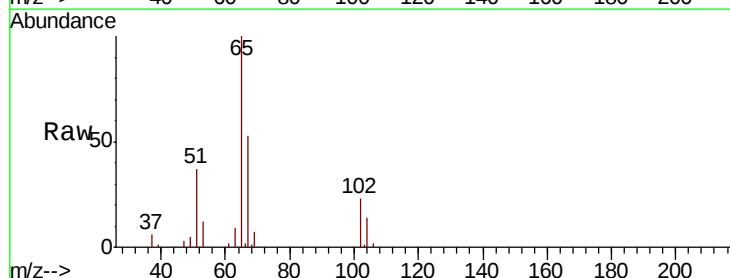
Acq: 17 Jun 2020 17:03

Tgt Ion: 65 Resp: 91453

Ion Ratio Lower Upper

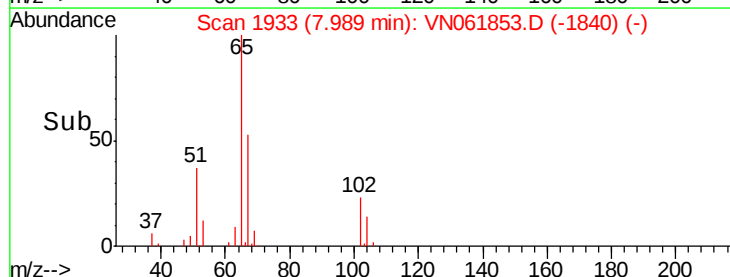
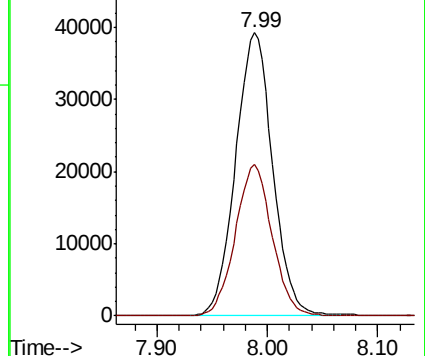
65 100

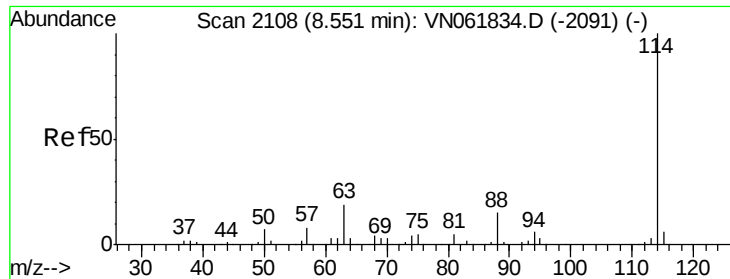
67 52.8 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN061853.D (-1840) (-)

Ion 66.90 (66.60 to 67.60): VN061853.D (-1840) (-)

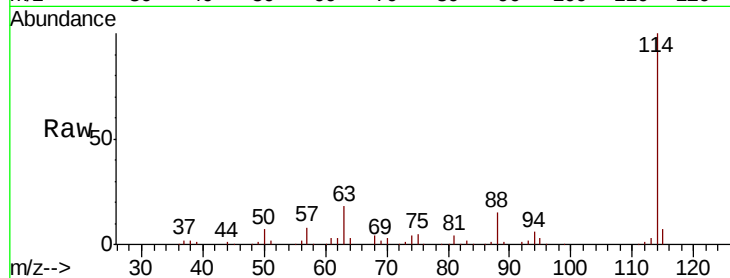




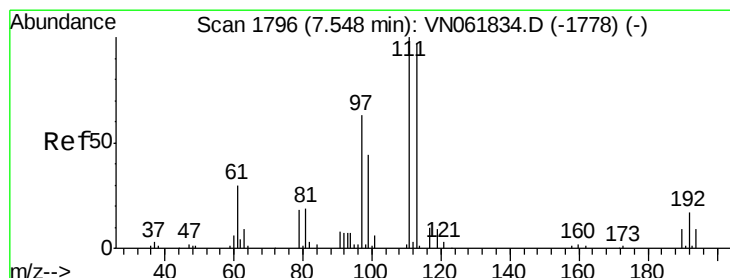
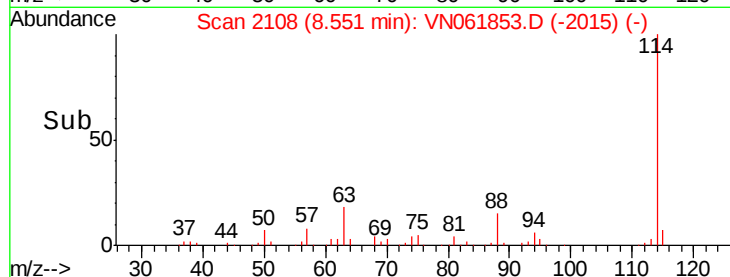
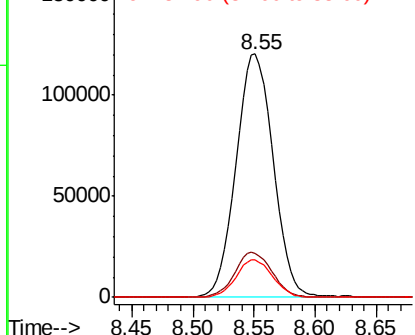
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. -0.00 min
Lab File: VN061853.D
Acq: 17 Jun 2020 17:03

Instrument :
MSVOA_N
ClientSampleId :
REDUP02-20200609

Tot Ion:114 Resp: 254457
Ion Ratio Lower Upper
114 100
63 18.2 0.0 37.6
88 15.3 0.0 31.0

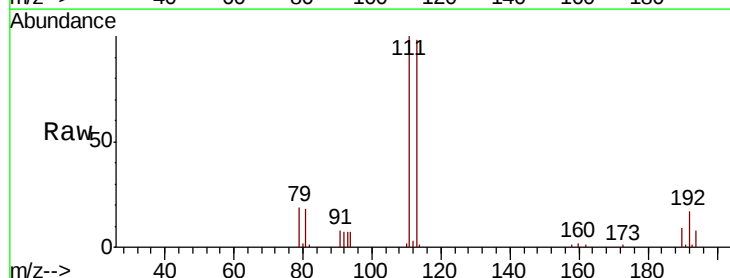


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

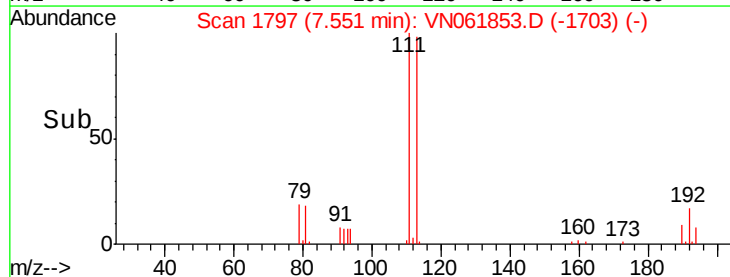
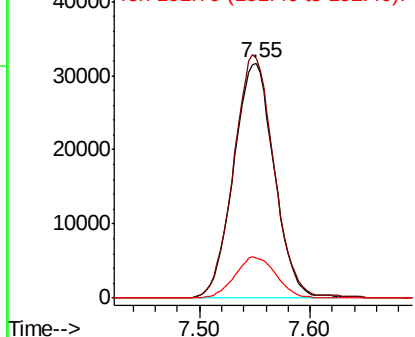


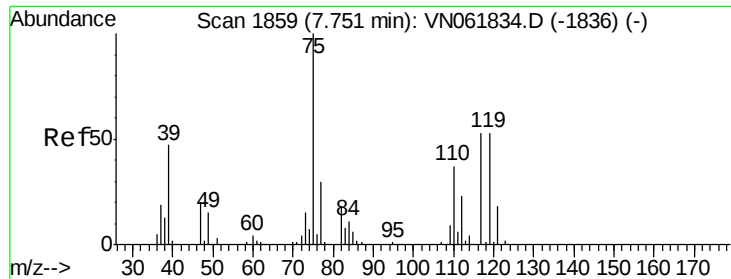
#35
Dibromofluoromethane
Concen: 49.720 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN061853.D
Acq: 17 Jun 2020 17:03

Tgt Ion:113 Resp: 80938
Ion Ratio Lower Upper
113 100
111 102.1 83.7 125.5
192 17.6 13.9 20.9



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

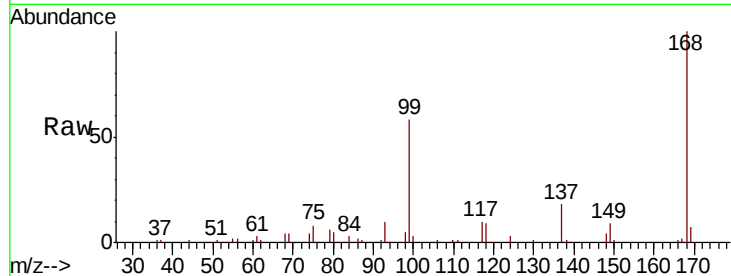




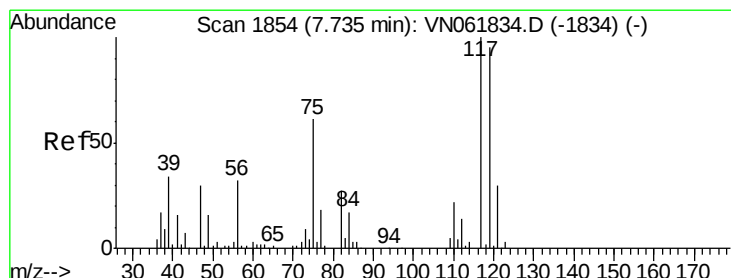
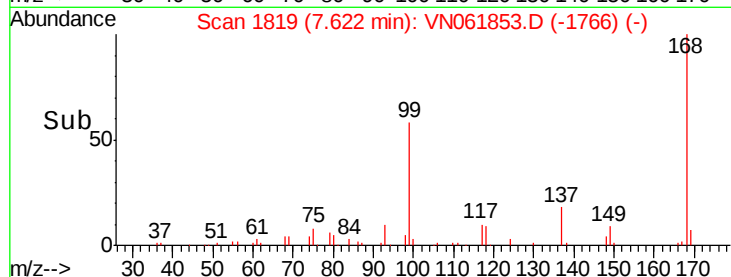
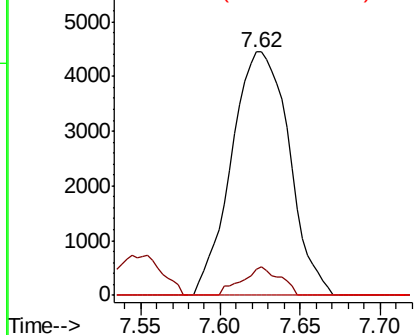
#36
 1,1-Dichloropropene
 Concen: 4.739 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN061853.D
 Acq: 17 Jun 2020 17:03

Instrument :
 MSVOA_N
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 REDUP02-20200609

Tot Ion	Ratio	Lower	Upper
75	100		
110	7.7	18.2	54.6#
77	0.0	24.2	36.4#

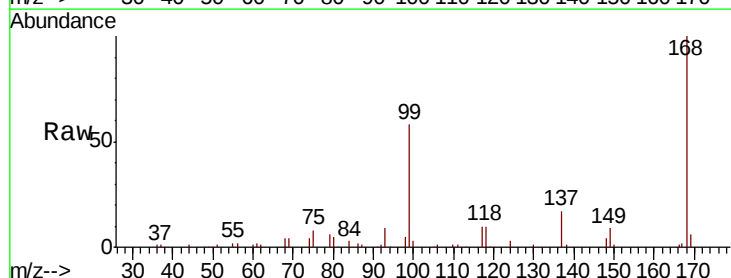


Abundance Ion 74.90 (74.60 to 75.60): VN061853.D (-1766) (-)
 Ion 109.90 (109.60 to 110.60): VN061853.D (-1766) (-)
 Ion 76.90 (76.60 to 77.60): VN061853.D (-1766) (-)

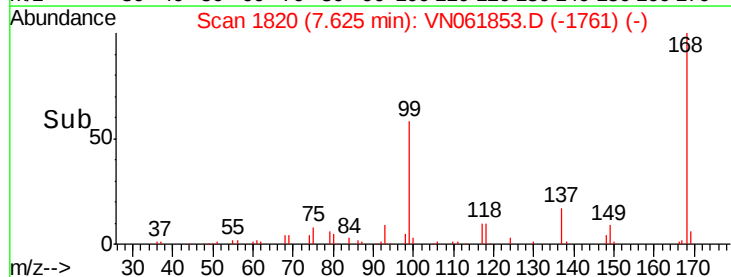
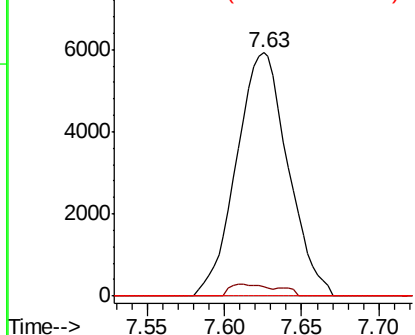


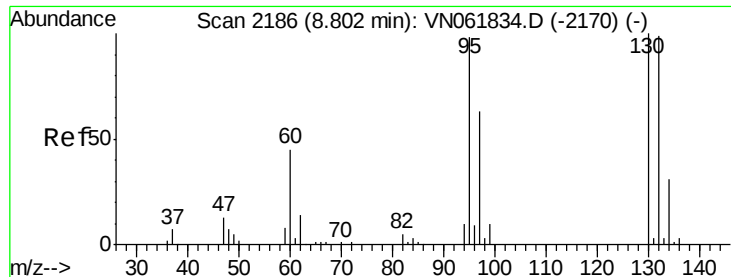
#38
 Carbon Tetrachloride
 Concen: 5.963 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN061853.D
 Acq: 17 Jun 2020 17:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.6	75.8	113.6#
121	0.0	23.8	35.6#



Abundance Ion 116.80 (116.50 to 117.50): VN061853.D (-1761) (-)
 Ion 118.80 (118.50 to 119.50): VN061853.D (-1761) (-)
 Ion 120.80 (120.50 to 121.50): VN061853.D (-1761) (-)





#44

Trichloroethene

Concen: 0.275 ug/l

RT: 8.80 min Scan# 2184

Delta R.T. -0.01 min

Lab File: VN061853.D

Acq: 17 Jun 2020 17:03

Instrument :

MSVOA_N

ClientSampleId :

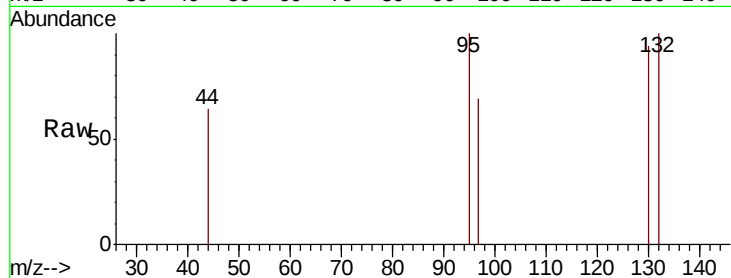
REDUP02-20200609

Tot Ion:130 Resp: 508

Ion Ratio Lower Upper

130 100

95 106.5 0.0 195.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

400

300

200

100

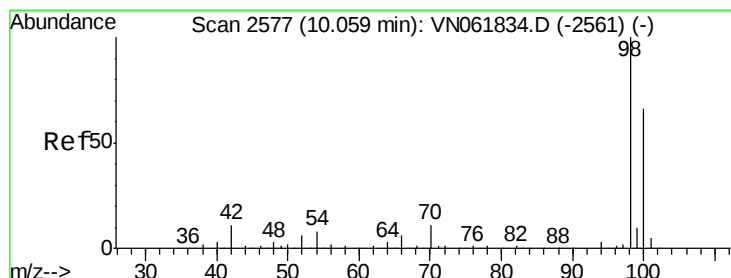
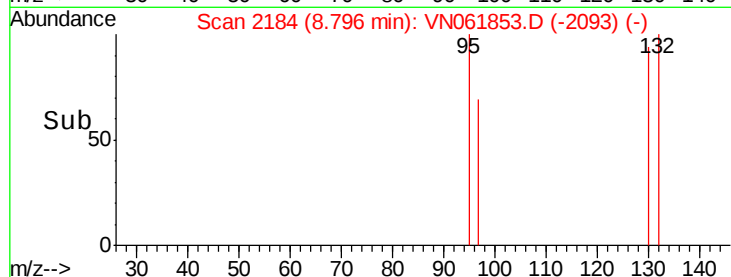
0

8.80

8.82

8.84

Time-->



#50

Toluene-d8

Concen: 49.161 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061853.D

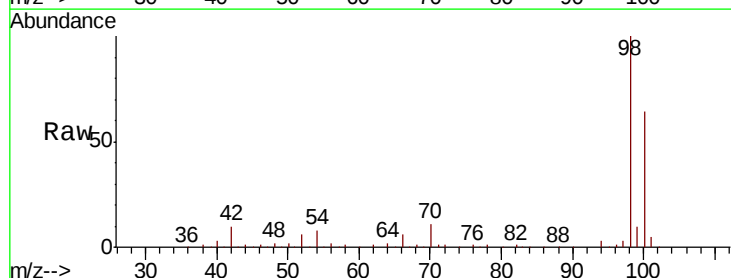
Acq: 17 Jun 2020 17:03

Tgt Ion: 98 Resp: 314627

Ion Ratio Lower Upper

98 100

100 64.4 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

200000

150000

100000

50000

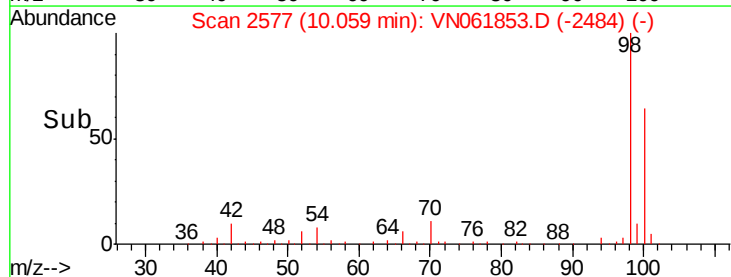
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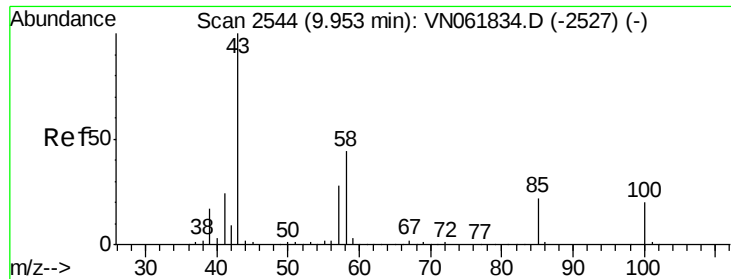
10.06

10.10

10.20

Time-->

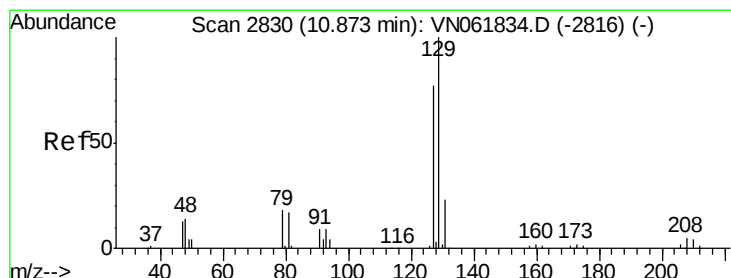
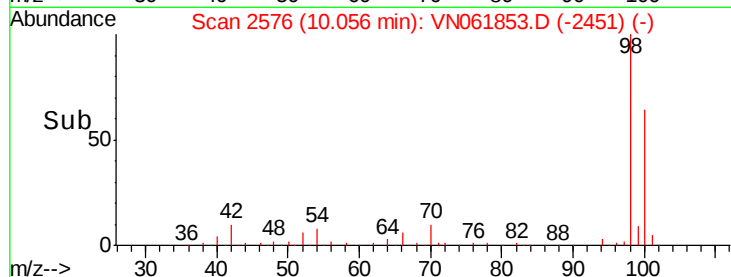
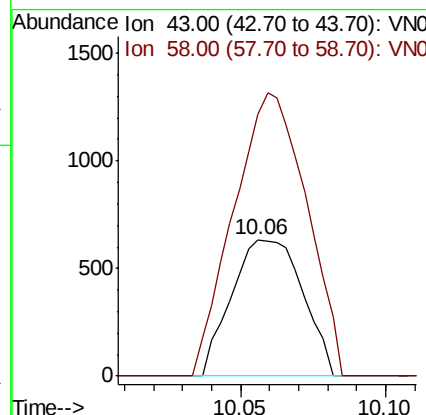
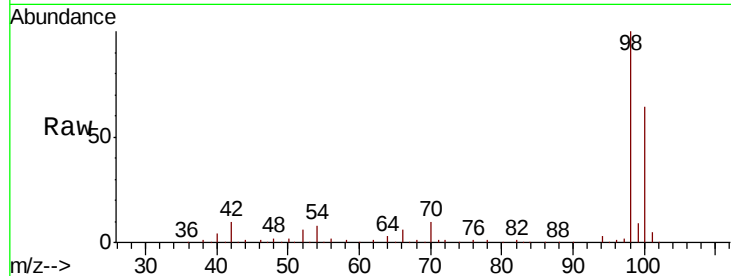




#51
 4-Methyl-2-Pentanone
 Concen: 0.599 ug/l
 RT: 10.06 min Scan# 2576
 Delta R.T. 0.10 min
 Lab File: VN061853.D
 Acq: 17 Jun 2020 17:03

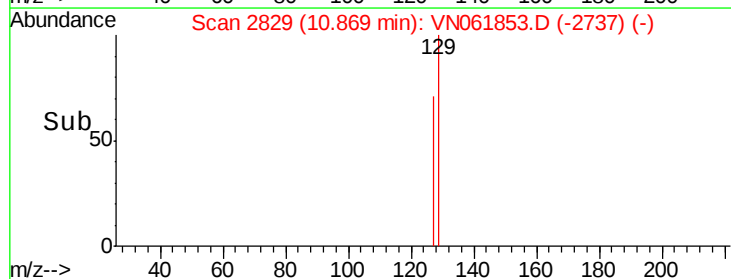
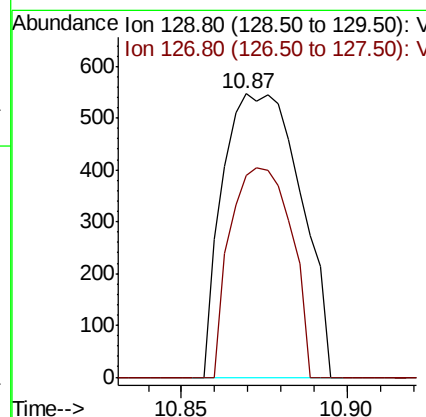
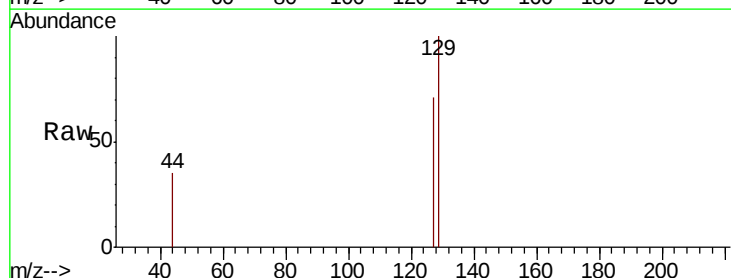
Instrument :
 MSVOA_N
 ClientSampleId :
 REDUP02-20200609

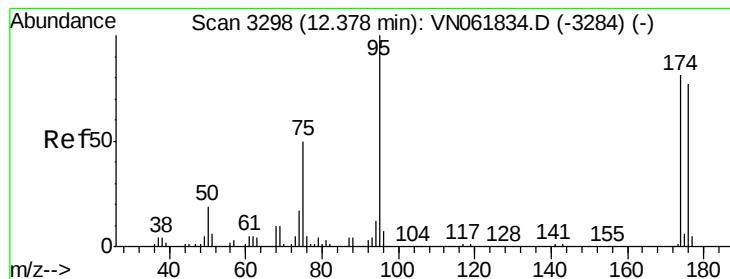
Tot Ion: 43.00 Resp: 1081
 Ion Ratio Lower Upper
 43 100
 58 212.8 34.6 52.0#



#60
 Dibromochloromethane
 Concen: 0.462 ug/l
 RT: 10.87 min Scan# 2829
 Delta R.T. -0.00 min
 Lab File: VN061853.D
 Acq: 17 Jun 2020 17:03

Tgt Ion: 129 Resp: 895
 Ion Ratio Lower Upper
 129 100
 127 57.3 38.5 115.5





#62

4-Bromofluorobenzene

Concen: 46.266 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN061853.D

Acq: 17 Jun 2020 17:03

Instrument :

MSVOA_N

ClientSampleId :

REDUP02-20200609

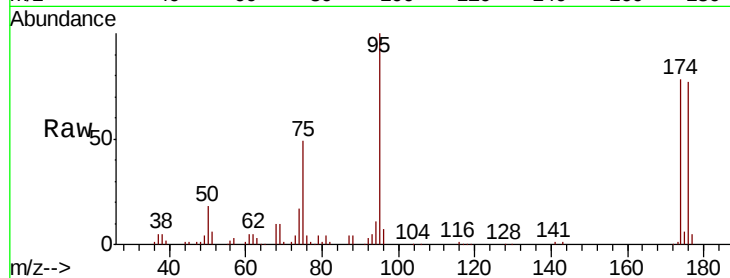
Tot Ion: 95 Resp: 101565

Ion Ratio Lower Upper

95 100

174 78.2 0.0 158.6

176 77.0 0.0 152.0

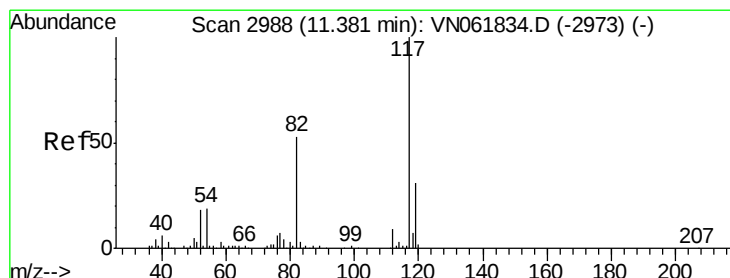
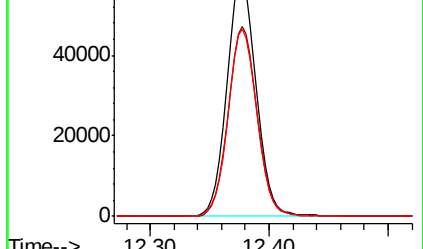
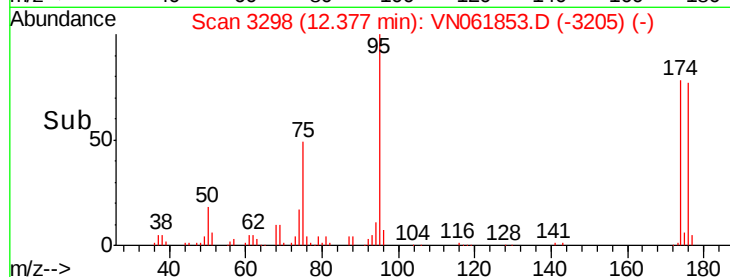


Abundance Ion 94.90 (94.60 to 95.60): VN061834.D (-3284) (-)

Ion 173.80 (173.50 to 174.50): VN061834.D (-3284) (-)

Ion 175.80 (175.50 to 176.50): VN061834.D (-3284) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN061853.D

Acq: 17 Jun 2020 17:03

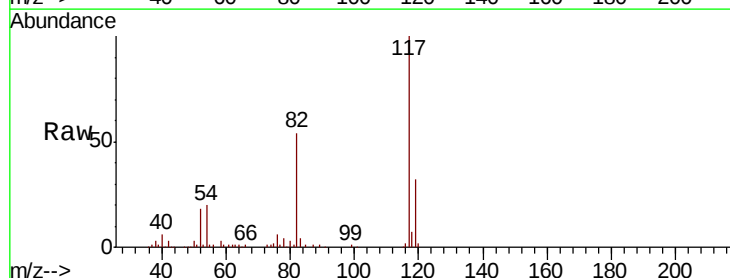
Tgt Ion: 117 Resp: 239192

Ion Ratio Lower Upper

117 100

82 54.2 42.6 64.0

119 32.3 24.7 37.1

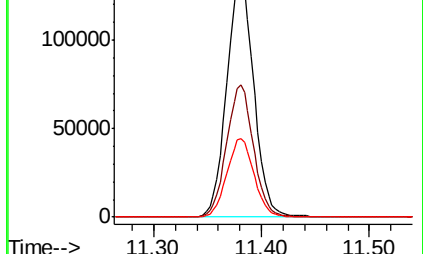
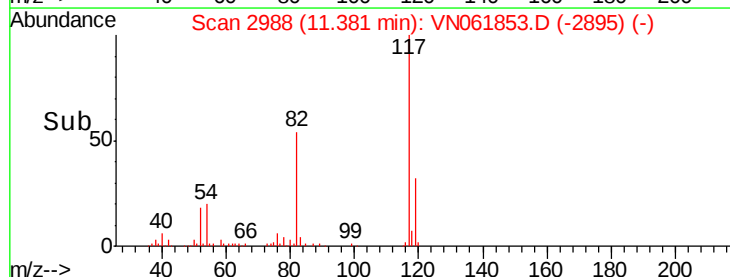


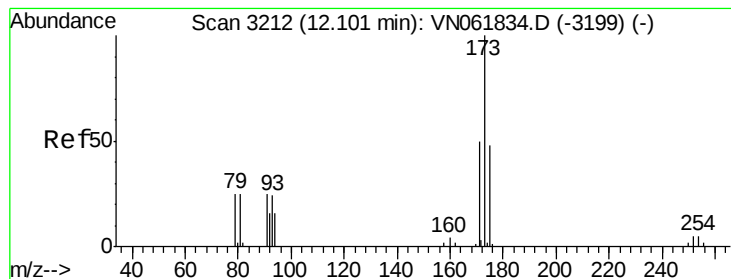
Abundance Ion 116.90 (116.60 to 117.60): VN061834.D (-2973) (-)

Ion 82.00 (81.70 to 82.70): VN061834.D (-2973) (-)

Ion 118.90 (118.60 to 119.60): VN061834.D (-2973) (-)

Time-->





#71

Bromoform

Concen: 0.704 ug/l

RT: 12.10 min Scan# 3213

Delta R.T. 0.00 min

Lab File: VN061853.D

Acq: 17 Jun 2020 17:03

Instrument :

MSVOA_N

ClientSampleId :

REDUP02-20200609

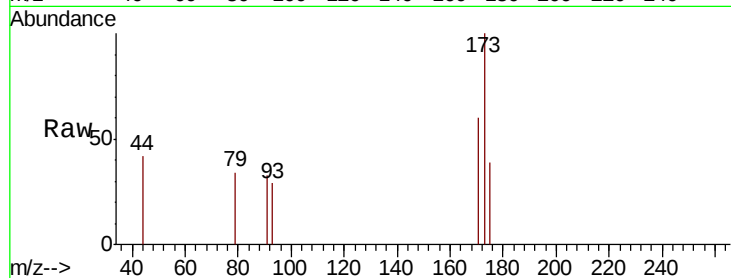
Tot Ion:173 Resp: 904

Ion Ratio Lower Upper

173 100

175 33.6 23.9 71.7

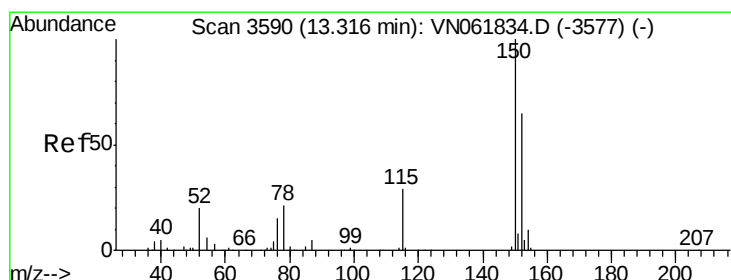
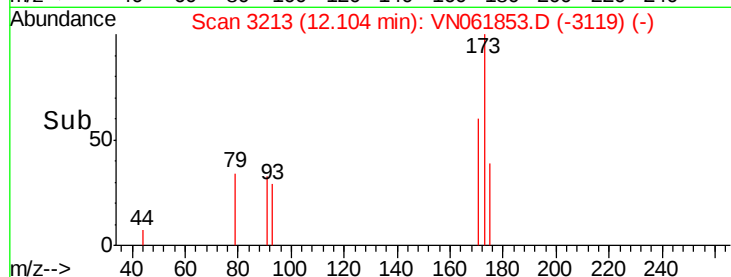
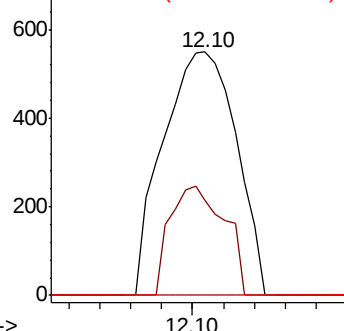
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061853.D

Acq: 17 Jun 2020 17:03

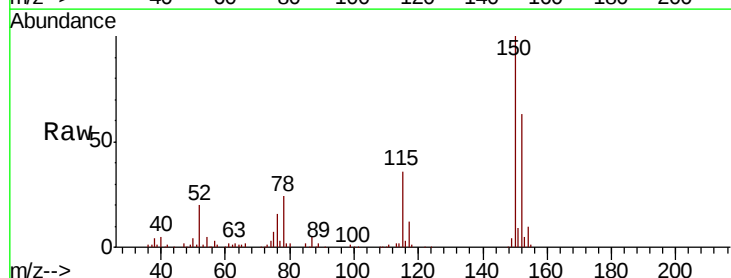
Tgt Ion:152 Resp: 91638

Ion Ratio Lower Upper

152 100

115 58.2 29.1 87.3

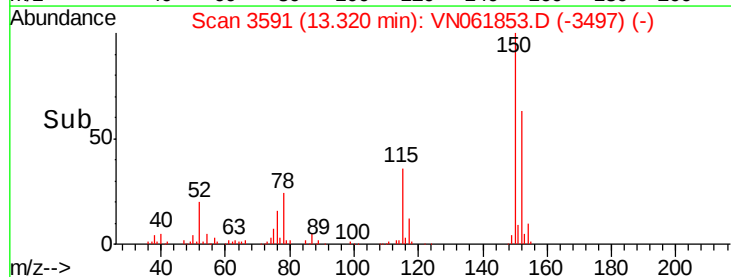
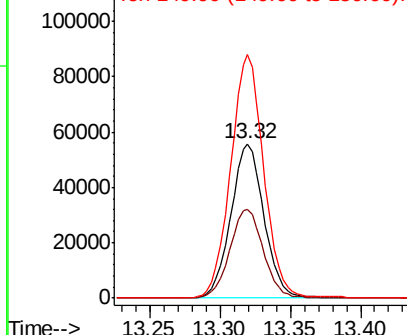
150 156.6 0.0 347.6

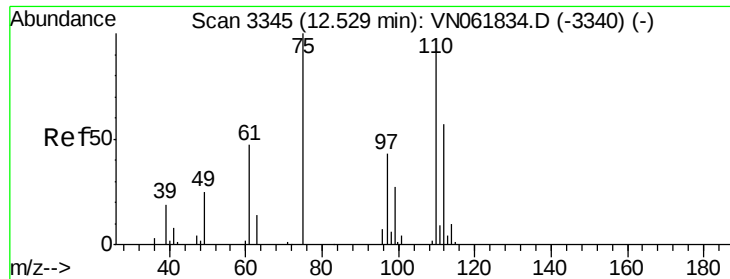


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 28.217 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061853.D

Acq: 17 Jun 2020 17:03

Instrument :

MSVOA_N

ClientSampleId :

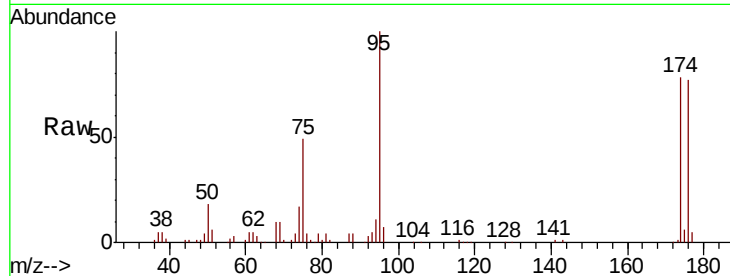
REDUP02-20200609

Tot Ion: 75 Resp: 50765

Ion Ratio Lower Upper

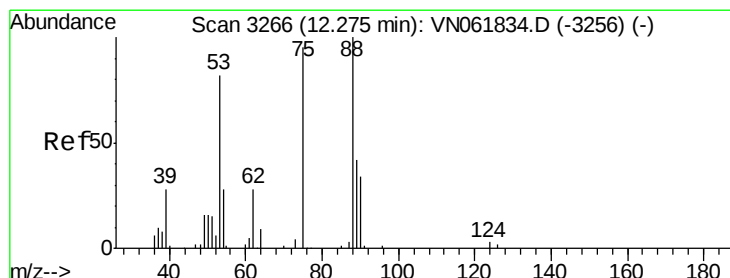
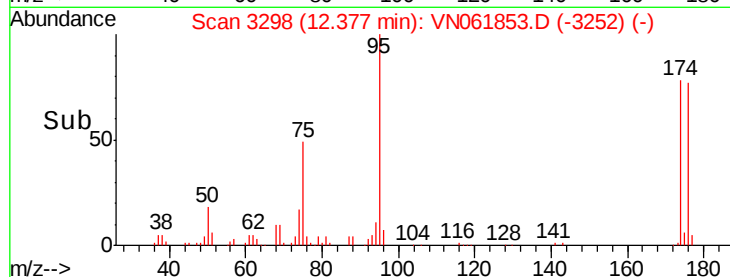
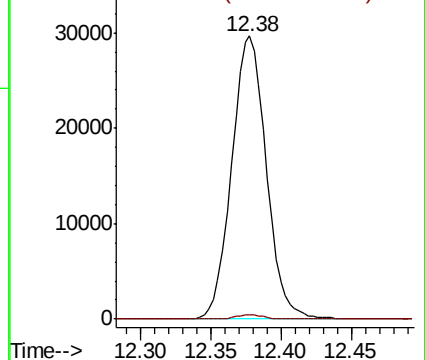
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 76.960 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061853.D

Acq: 17 Jun 2020 17:03

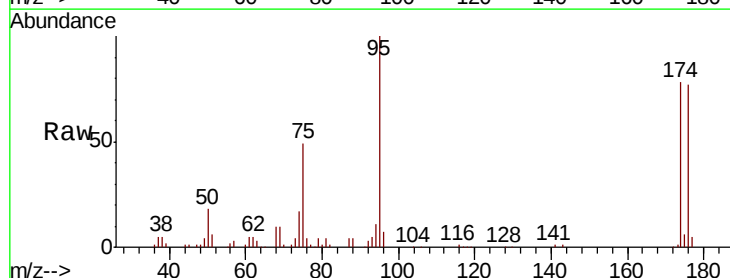
Tgt Ion: 75 Resp: 50765

Ion Ratio Lower Upper

75 100

53 0.0 70.4 105.6#

89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

