

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061920\
 Data File : VN061986.D
 Acq On : 20 Jun 2020 8:52
 Operator : JC/MD
 Sample : L3043-23
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 REDUP06-20200616

Quant Time: Jun 23 12:09:09 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	136311	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	249984	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	246794	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	93185	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	95307	52.13	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.26%	
35) Dibromofluoromethane	7.55	113	81189	50.77	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.54%	
50) Toluene-d8	10.06	98	319385	50.80	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.60%	
62) 4-Bromofluorobenzene	12.38	95	104662	48.53	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.06%	

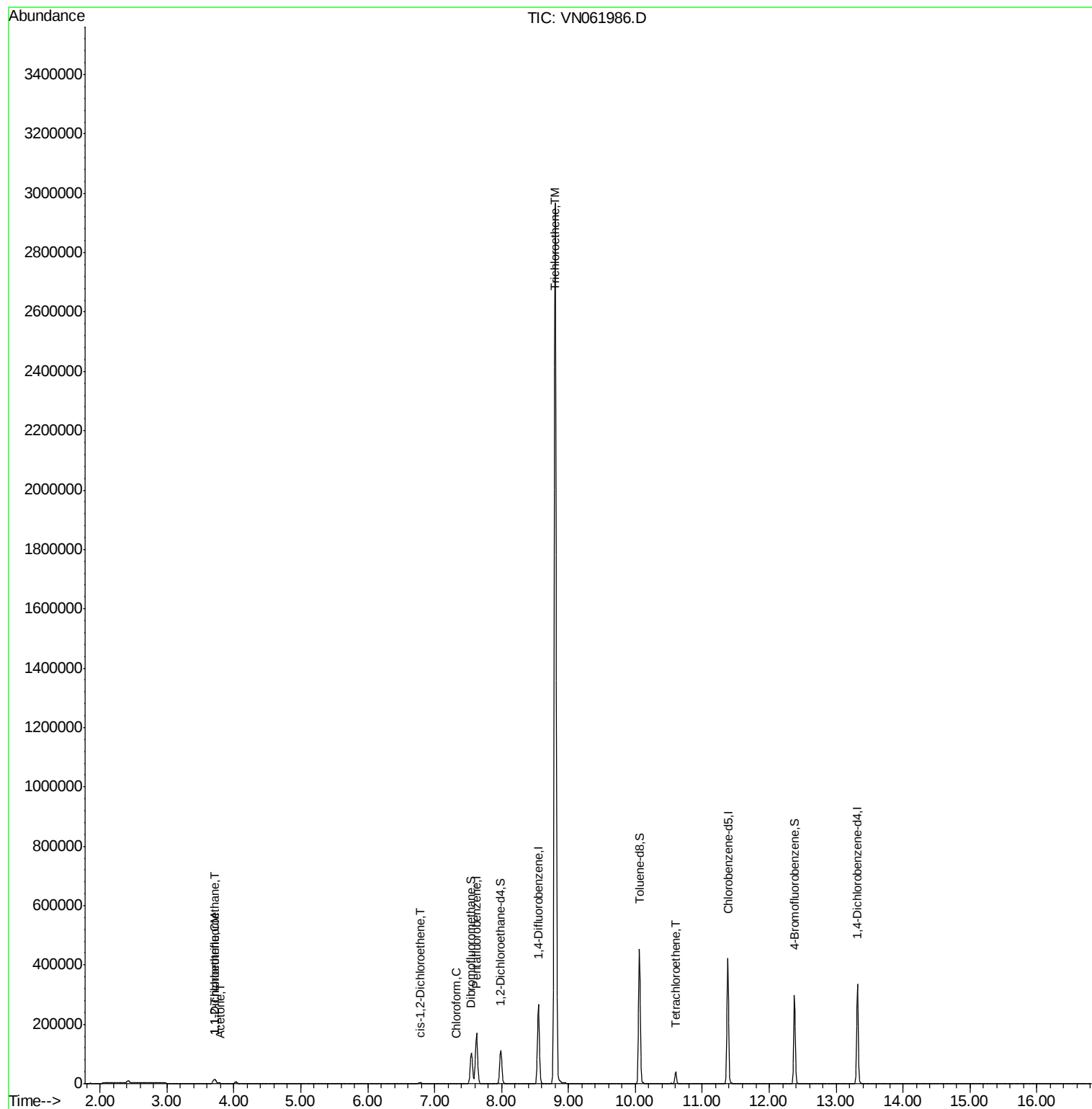
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	3.72	101	7491	5.419	ug/l	97
12) 1,1-Dichloroethene	3.70	96	4123	2.977	ug/l	92
16) Acetone	3.79	43	3026	5.604	ug/l #	86
27) cis-1,2-Dichloroethene	6.79	96	3222	1.755	ug/l	58
30) Chloroform	7.33	83	1300	0.442	ug/l	92
44) Trichloroethene	8.80	130	1098490	604.310	ug/l	99
64) Tetrachloroethene	10.60	164	9274	5.896	ug/l	97

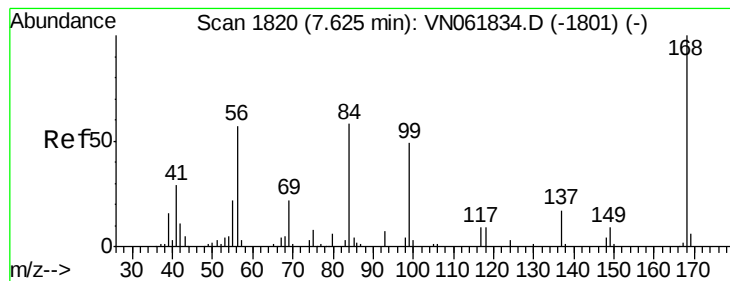
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 23 12:09:09 2020
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Quant Title : SW846 8260
QLast Update : Wed Jun 17 01:19:44 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061986.D

Acq: 20 Jun 2020 8:52

Instrument :

MSVOA_N

ClientSampleId :

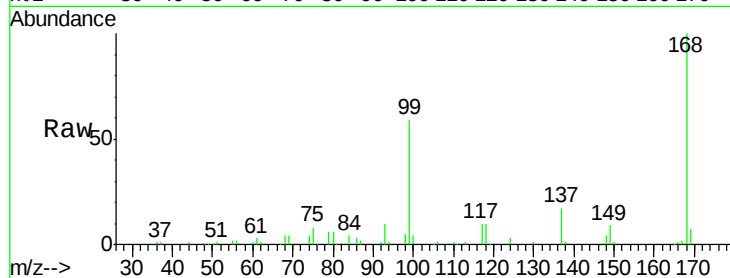
REDUP06-20200616

Tot Ion:168 Resp: 136311

Ion Ratio Lower Upper

168 100

99 58.8 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

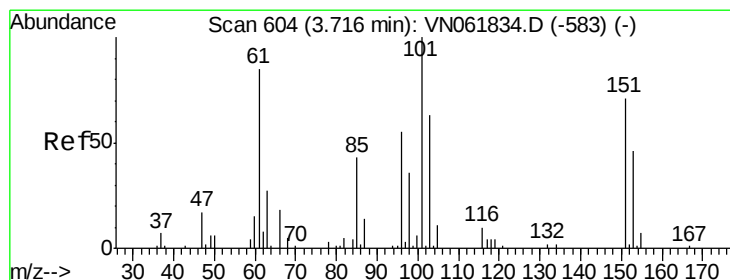
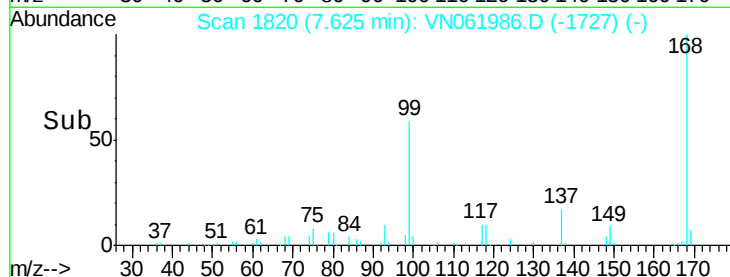
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.419 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN061986.D

Acq: 20 Jun 2020 8:52

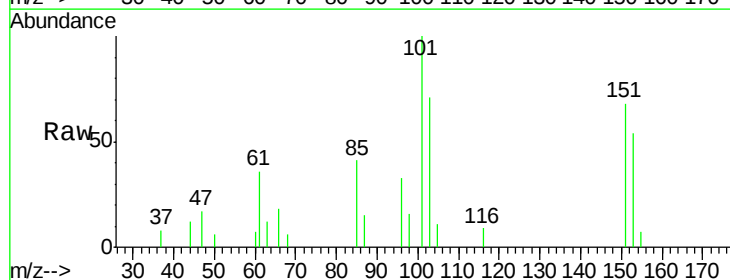
Tgt Ion:101 Resp: 7491

Ion Ratio Lower Upper

101 100

85 42.7 35.0 52.6

151 71.0 59.2 88.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V

3.72

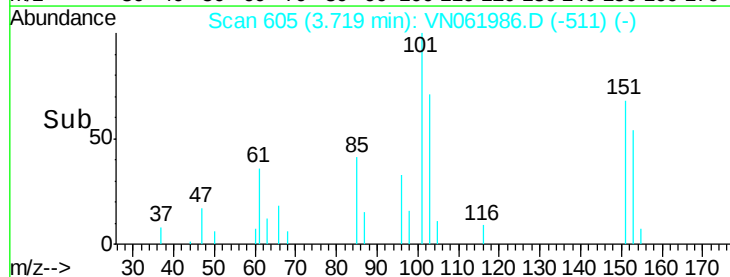
3000

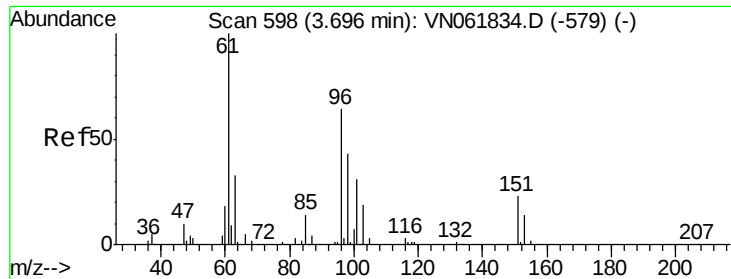
2000

1000

0

Time--> 3.65 3.70 3.75 3.80





#12

1,1-Dichloroethene

Concen: 2.977 ug/l

RT: 3.70 min Scan# 598

Delta R.T. -0.00 min

Lab File: VN061986.D

Acq: 20 Jun 2020 8:52

Instrument :

MSVOA_N

ClientSampleId :

REDUP06-20200616

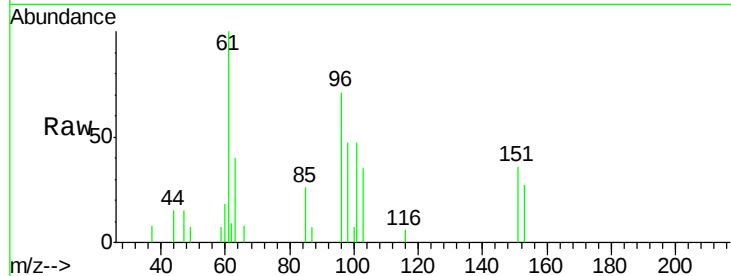
Tot Ion: 96 Resp: 4123

Ion Ratio Lower Upper

96 100

61 140.2 124.3 186.5

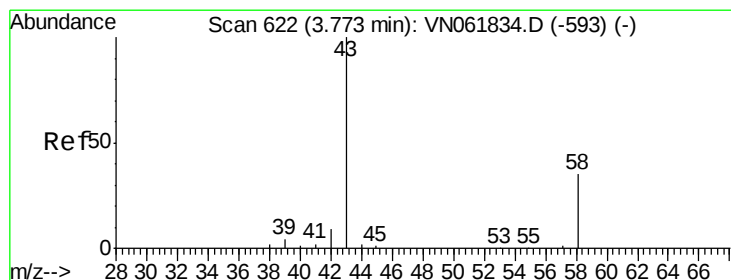
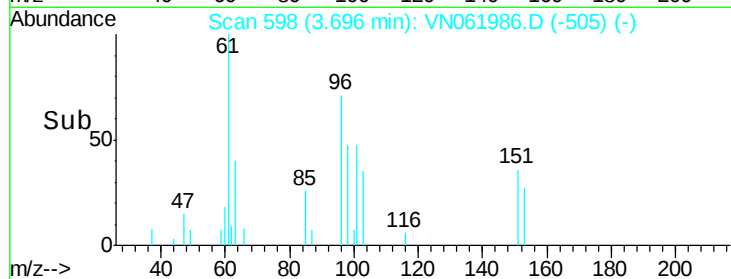
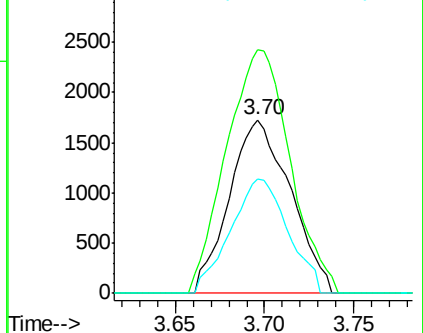
98 66.1 53.1 79.7



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#16

Acetone

Concen: 5.604 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN061986.D

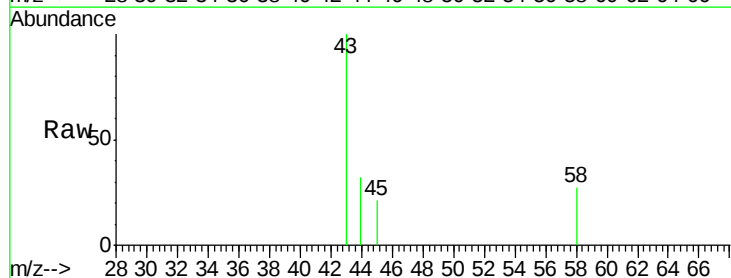
Acq: 20 Jun 2020 8:52

Tgt Ion: 43 Resp: 3026

Ion Ratio Lower Upper

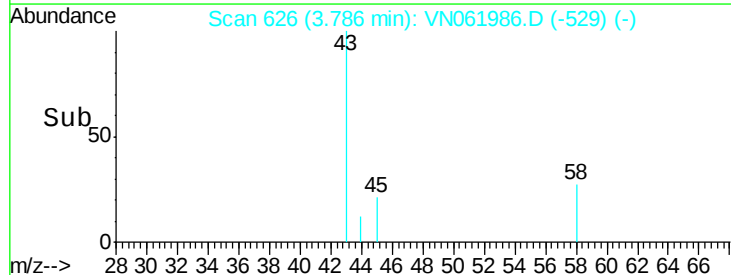
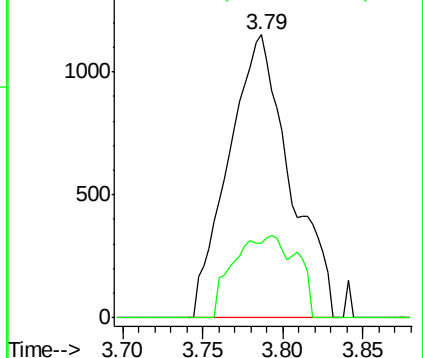
43 100

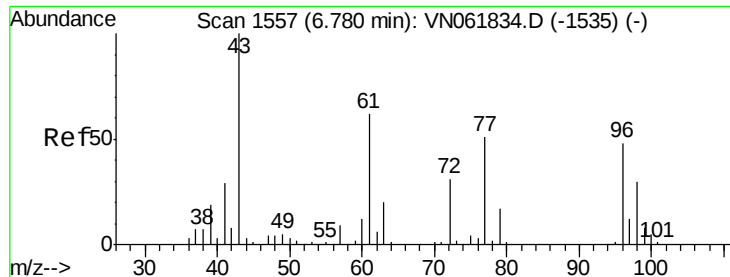
58 26.5 27.8 41.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#27

cis-1,2-Dichloroethene

Concen: 1.755 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. 0.01 min

Lab File: VN061986.D

Acq: 20 Jun 2020 8:52

Instrument :

MSVOA_N

ClientSampleId :

REDUP06-20200616

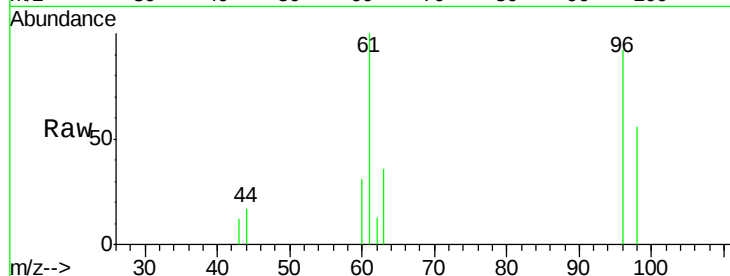
Tot Ion: 96 Resp: 3222

Ion Ratio Lower Upper

96 100

61 60.8 0.0 265.6

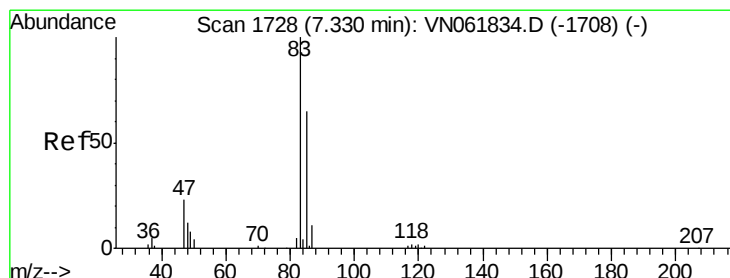
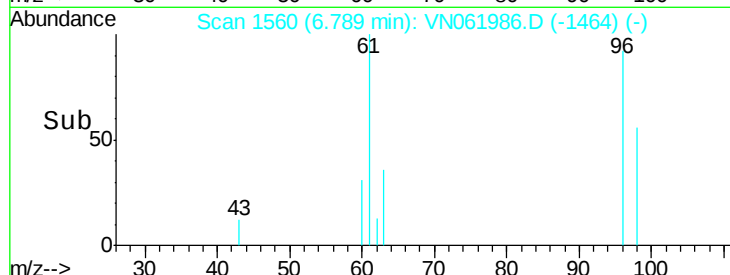
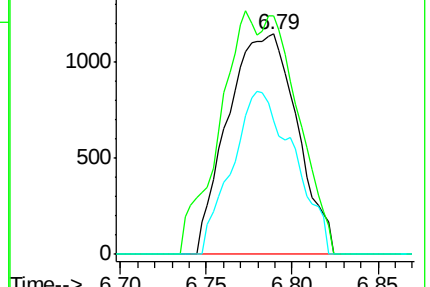
98 66.0 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VN061834.D (-1535) (-)

Ion 60.90 (60.60 to 61.60): VN061834.D (-1535) (-)

Ion 97.90 (97.60 to 98.60): VN061834.D (-1535) (-)



#30

Chloroform

Concen: 0.442 ug/l

RT: 7.33 min Scan# 1729

Delta R.T. 0.00 min

Lab File: VN061986.D

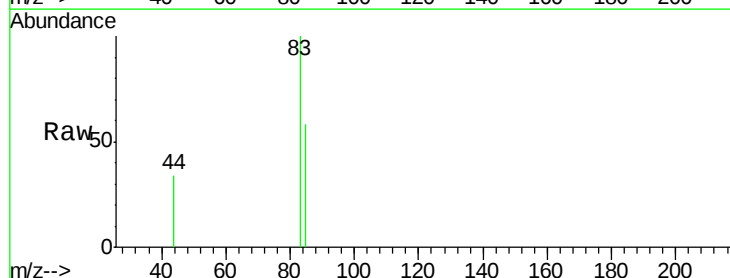
Acq: 20 Jun 2020 8:52

Tgt Ion: 83 Resp: 1300

Ion Ratio Lower Upper

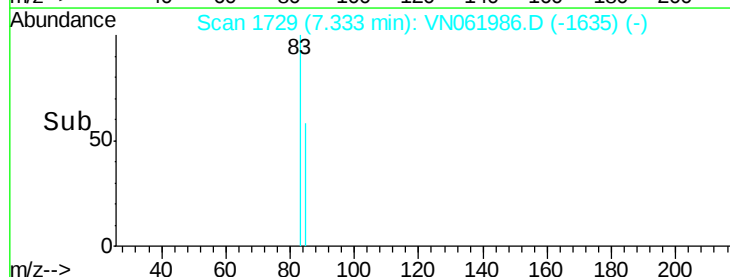
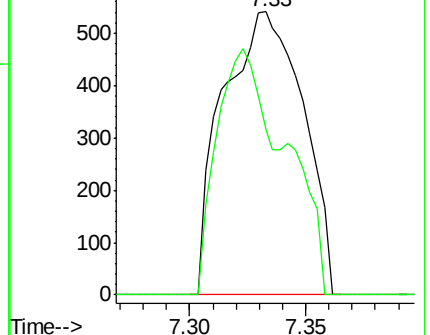
83 100

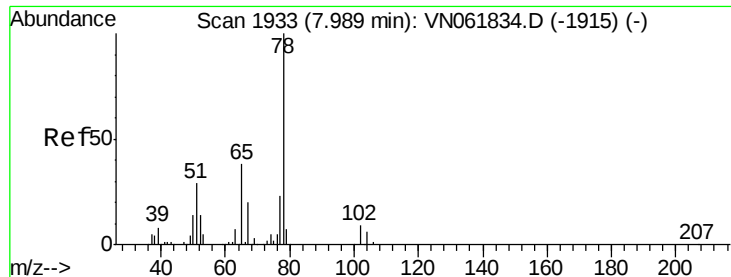
85 58.4 52.0 78.0



Abundance Ion 82.90 (82.60 to 83.60): VN061834.D (-1708) (-)

Ion 84.90 (84.60 to 85.60): VN061834.D (-1708) (-)

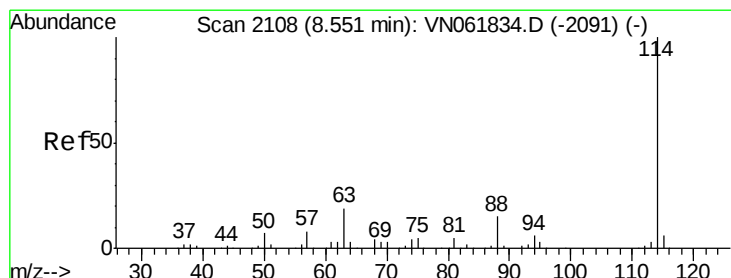
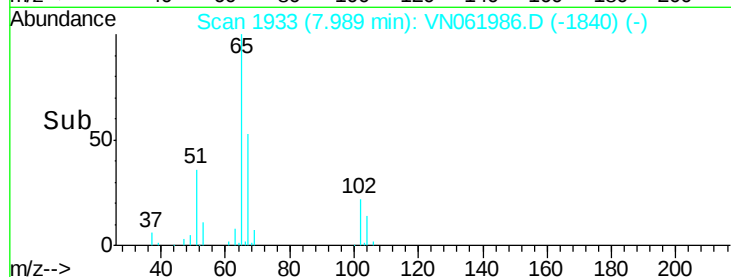
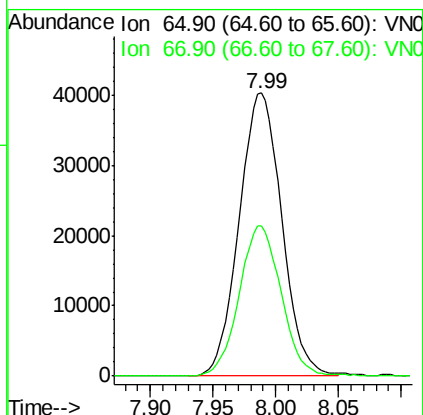
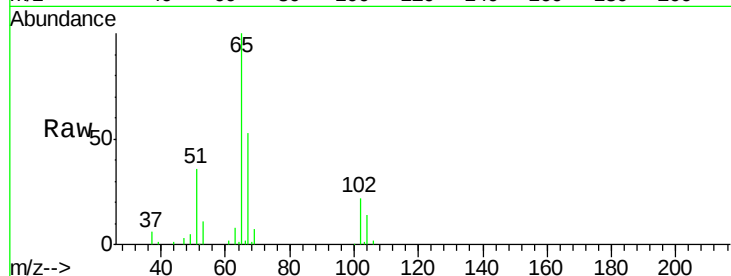




#33
 1,2-Dichloroethane-d4
 Concen: 52.134 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN061986.D
 Acq: 20 Jun 2020 8:52

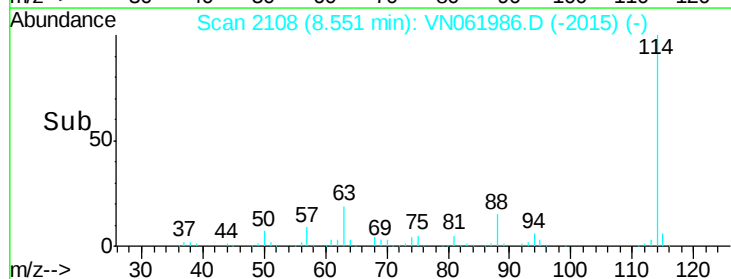
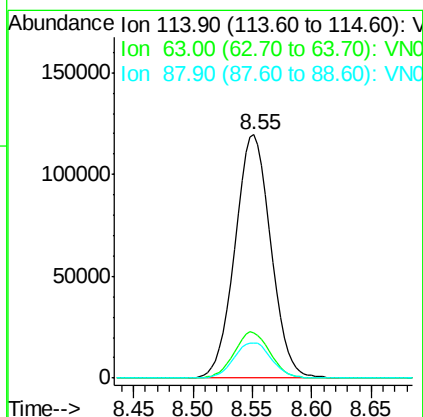
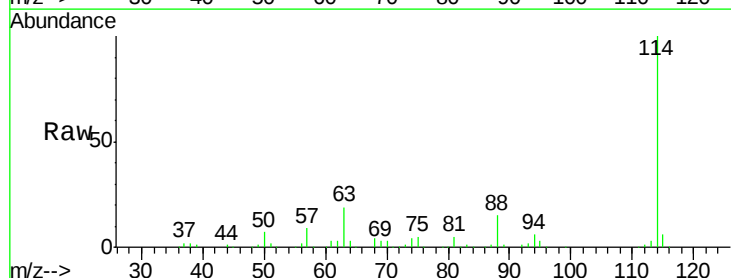
Instrument :
 MSVOA_N
 ClientSampleId :
 REDUP06-20200616

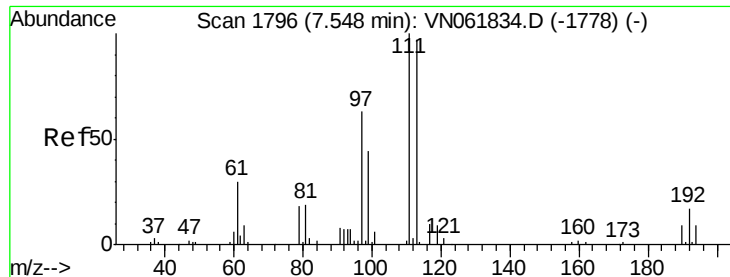
Tot Ion: 65 Resp: 95307
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN061986.D
 Acq: 20 Jun 2020 8:52

Tgt Ion: 114 Resp: 249984
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 37.6
 88 14.6 0.0 31.0

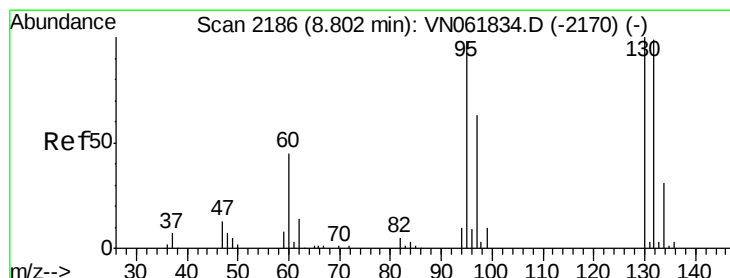
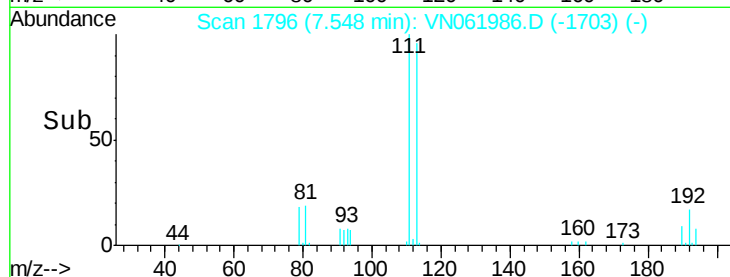
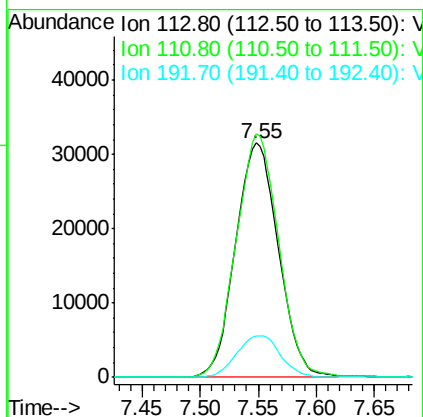
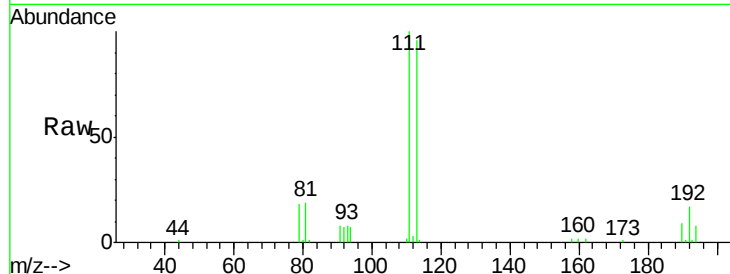




#35
Dibromofluoromethane
Concen: 50.766 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN061986.D
Acq: 20 Jun 2020 8:52

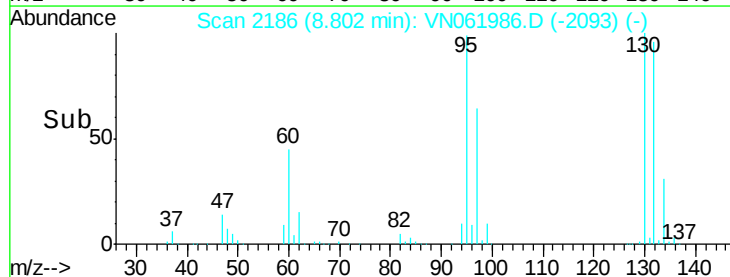
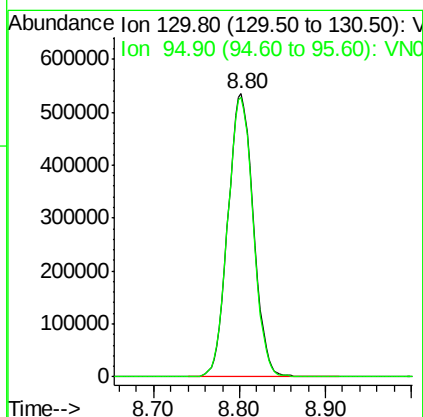
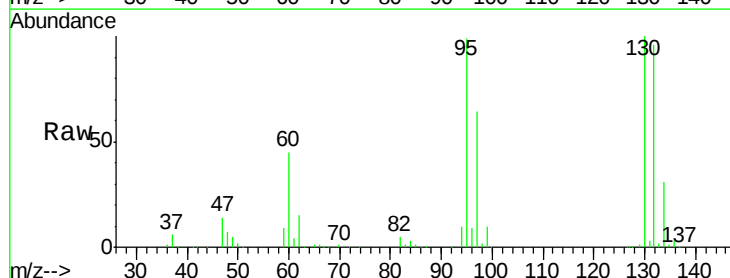
Instrument :
MSVOA_N
ClientSampleId :
REDUP06-20200616

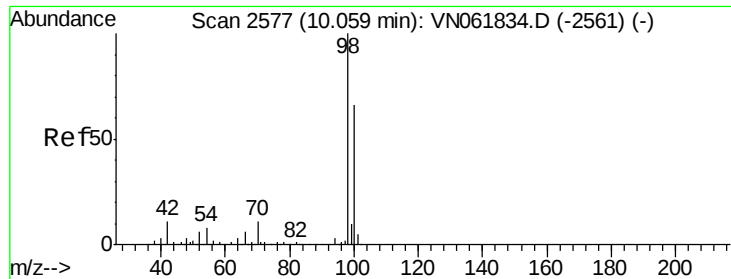
Tot Ion:113 Resp: 81189
Ion Ratio Lower Upper
113 100
111 103.4 83.7 125.5
192 18.0 13.9 20.9



#44
Trichloroethene
Concen: 604.310 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VN061986.D
Acq: 20 Jun 2020 8:52

Tgt Ion:130 Resp: 1098490
Ion Ratio Lower Upper
130 100
95 98.9 0.0 195.6





#50

Toluene-d8

Concen: 50.798 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061986.D

Acq: 20 Jun 2020 8:52

Instrument :

MSVOA_N

ClientSampleId :

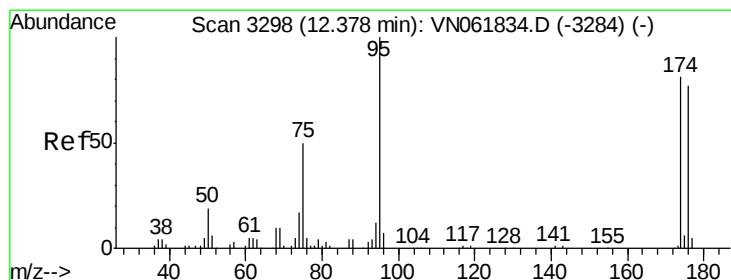
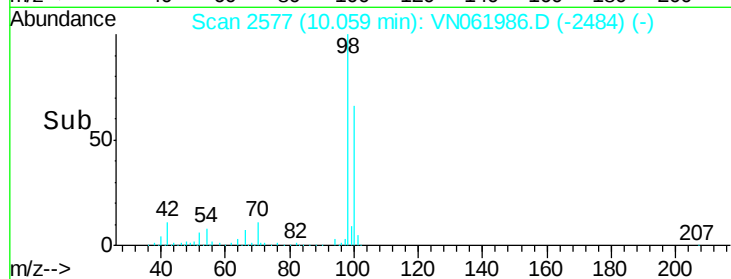
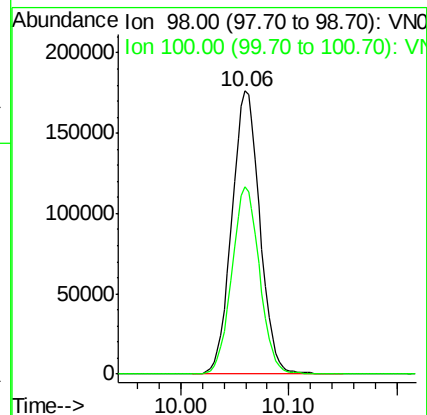
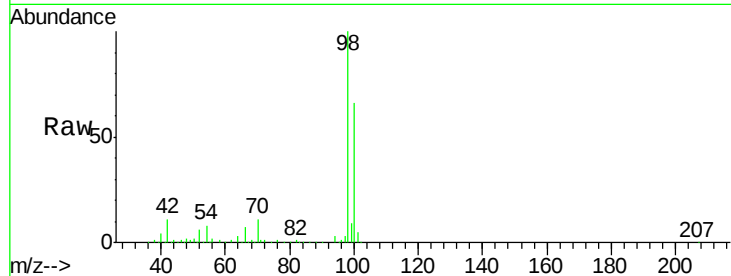
REDUP06-20200616

Tot Ion: 98 Resp: 319385

Ion Ratio Lower Upper

98 100

100 65.4 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 48.530 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN061986.D

Acq: 20 Jun 2020 8:52

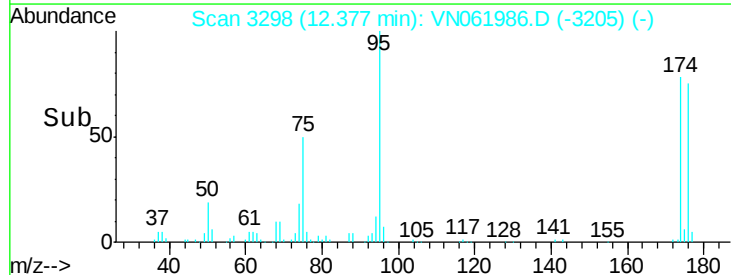
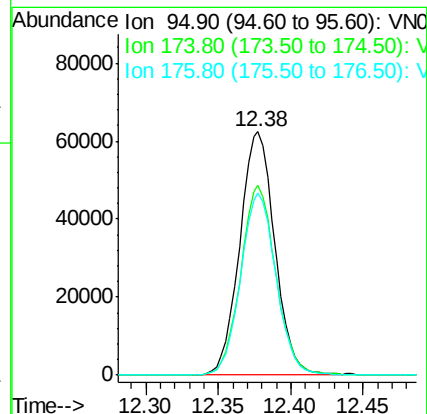
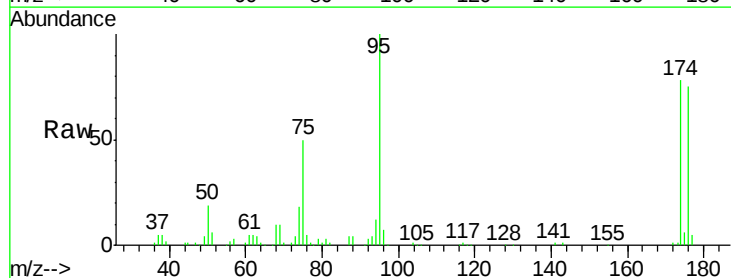
Tgt Ion: 95 Resp: 104662

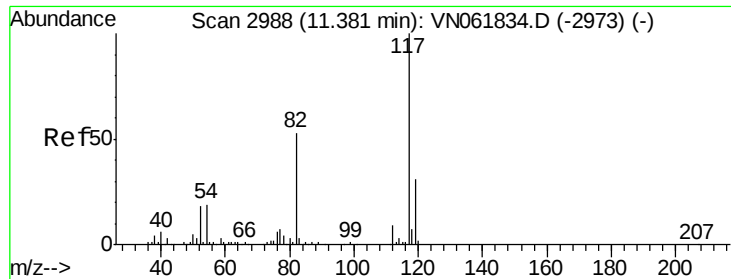
Ion Ratio Lower Upper

95 100

174 78.3 0.0 158.6

176 75.6 0.0 152.0

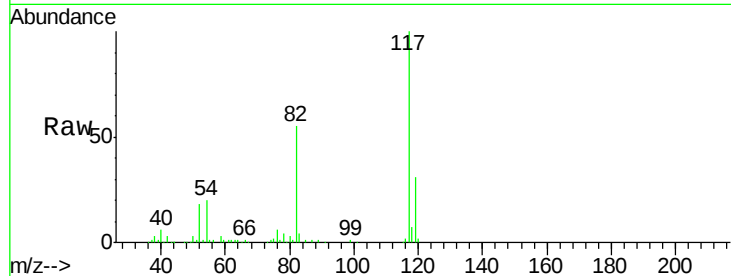




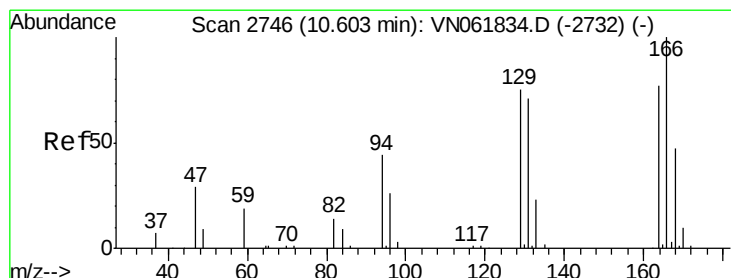
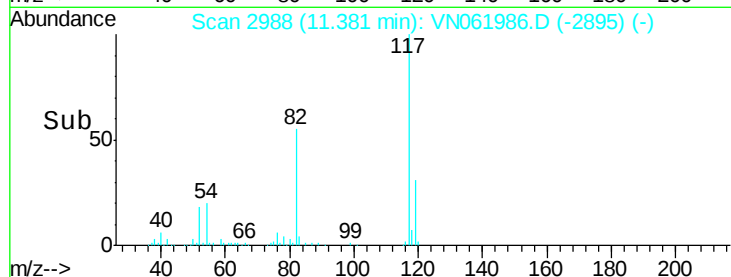
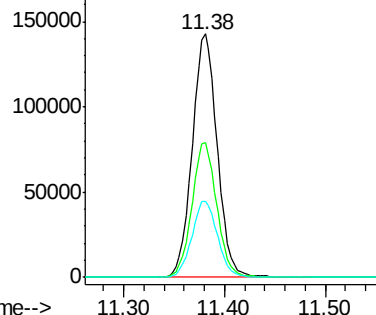
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061986.D
Acq: 20 Jun 2020 8:52

Instrument :
MSVOA_N
ClientSampleId :
REDUP06-20200616

Tot Ion:117 Resp: 246794
Ion Ratio Lower Upper
117 100
82 55.1 42.6 64.0
119 31.3 24.7 37.1

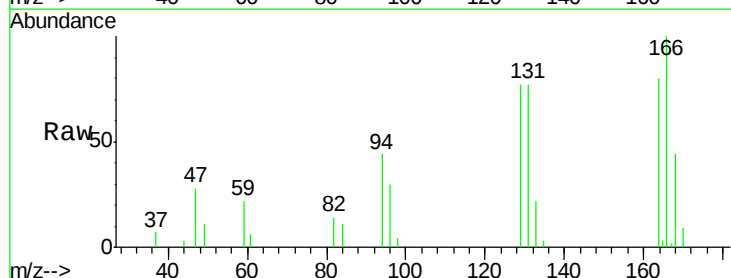


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

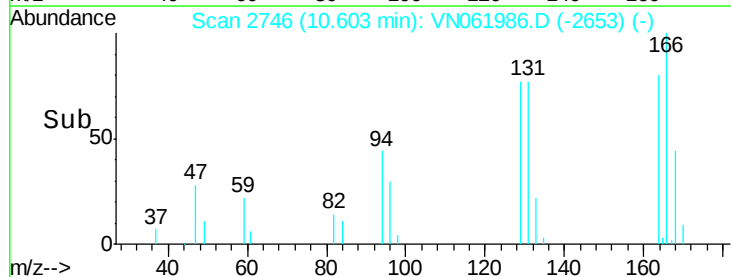
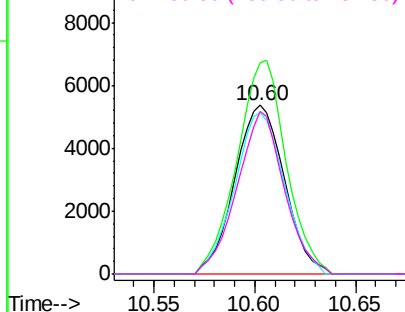


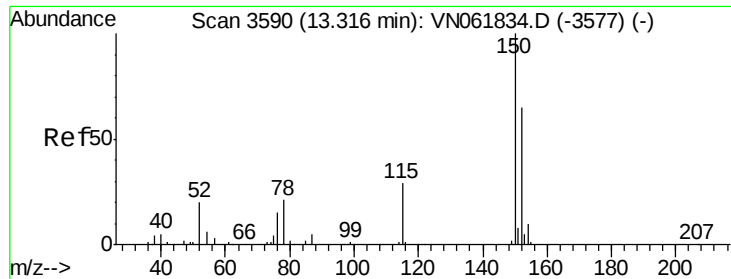
#64
Tetrachloroethene
Concen: 5.896 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061986.D
Acq: 20 Jun 2020 8:52

Tgt Ion:164 Resp: 9274
Ion Ratio Lower Upper
164 100
166 125.2 103.5 155.3
129 95.9 77.5 116.3
131 96.6 73.8 110.8



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): 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: VN061986.D

Acq: 20 Jun 2020 8:52

Instrument :

MSVOA_N

ClientSampleId :

REDUP06-20200616

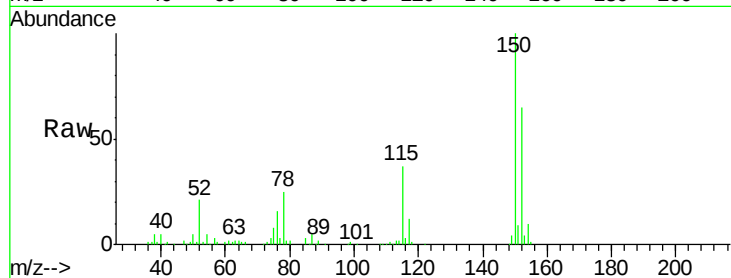
Tot Ion:152 Resp: 93185

Ion Ratio Lower Upper

152 100

115 58.7 29.1 87.3

150 156.7 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

