

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062220\
 Data File : VN062000.D
 Acq On : 22 Jun 2020 15:30
 Operator : JC/MD
 Sample : L3043-23DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 REDUP06-20200616DL

Quant Time: Jun 23 05:17:05 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	143475	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	264019	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	255013	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	93427	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	101468	52.73	ug/l	0.00
Spiked Amount			Recovery	=	105.46%	
35) Dibromofluoromethane	7.55	113	86311	51.10	ug/l	0.00
Spiked Amount			Recovery	=	102.20%	
50) Toluene-d8	10.06	98	331234	49.88	ug/l	0.00
Spiked Amount			Recovery	=	99.76%	
62) 4-Bromofluorobenzene	12.38	95	106280	46.66	ug/l	0.00
Spiked Amount			Recovery	=	93.32%	

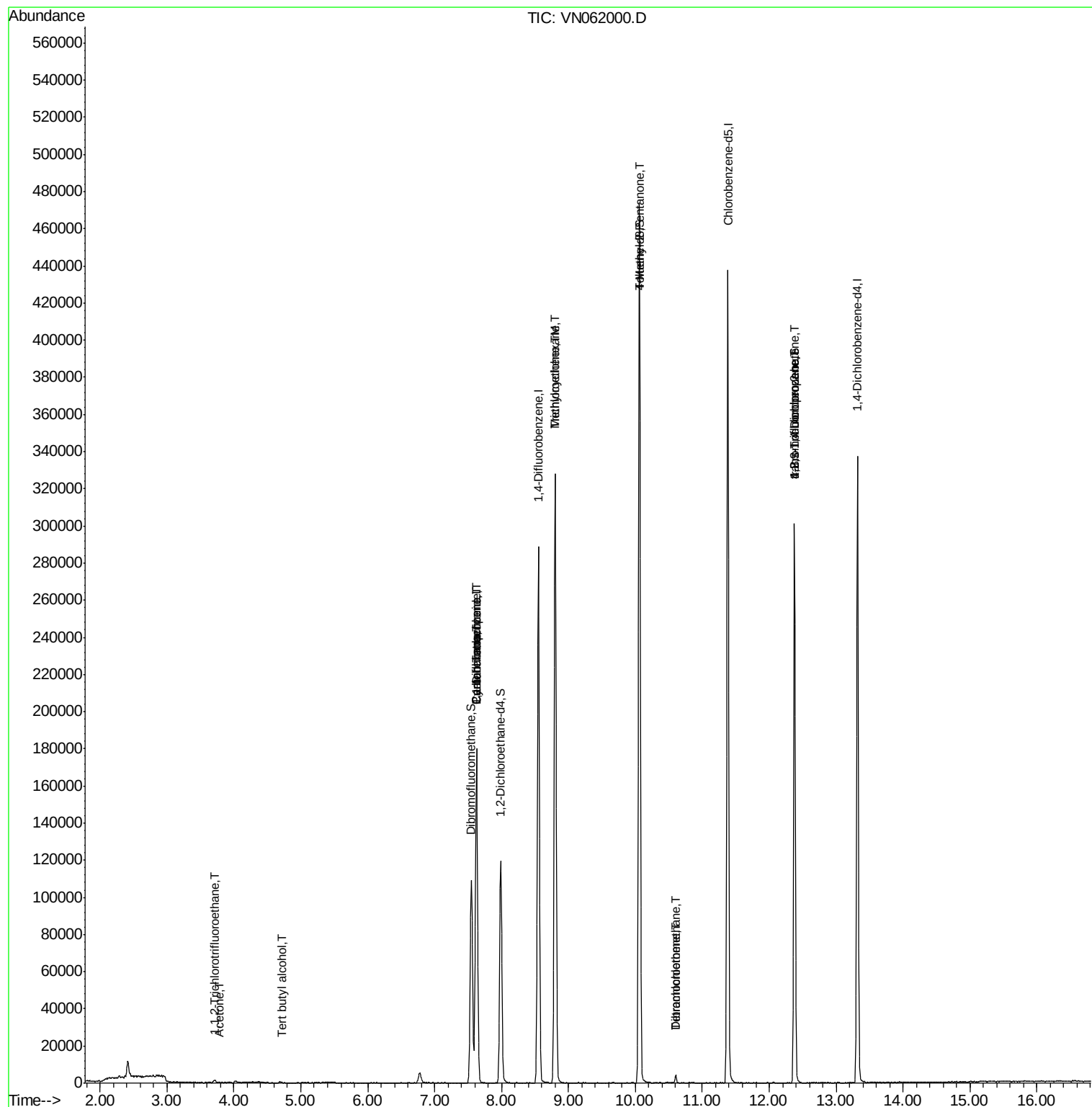
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	3.71	101	828	0.569	ug/l #	81
11) Tert butyl alcohol	4.72	59	234	0.879	ug/l #	74
16) Acetone	3.78	43	359	0.632	ug/l #	40
31) Cyclohexane	7.63	56	3256	1.284	ug/l #	41
36) 1,1-Dichloropropene	7.63	75	11514	4.781	ug/l #	47
38) Carbon Tetrachloride	7.63	117	14337	6.012	ug/l #	16
39) Methylcyclohexane	8.80	83	1403	0.541	ug/l #	1
44) Trichloroethene	8.80	130	121889	63.490	ug/l	99
51) 4-Methyl-2-Pentanone	10.06	43	1350	0.721	ug/l #	1
60) Dibromochloromethane	10.60	129	851	0.423	ug/l #	11
64) Tetrachloroethene	10.60	164	1083	0.666	ug/l	87
76) 1,2,3-Trichloropropane	12.38	75	54720	29.833	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	54720	81.367	ug/l #	14

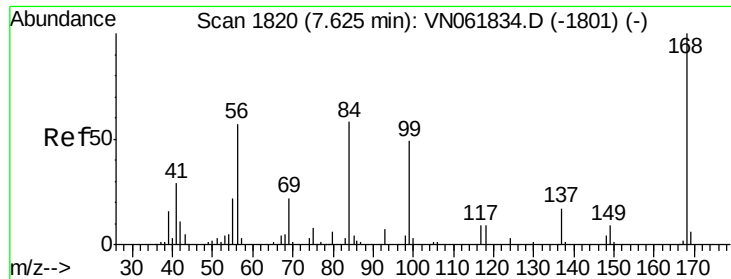
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN062000.D

Acq: 22 Jun 2020 15:30

Instrument :

MSVOA_N

ClientSampleId :

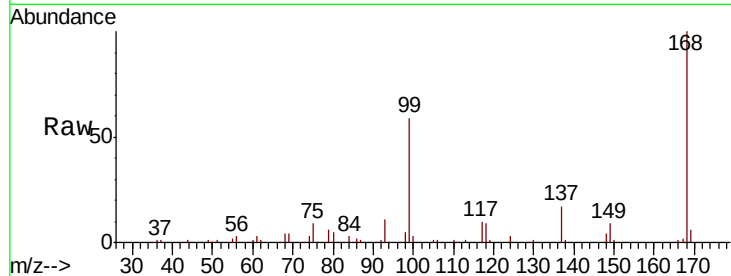
REDUP06-20200616DL

Tot Ion:168 Resp: 143475

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): VN

60000

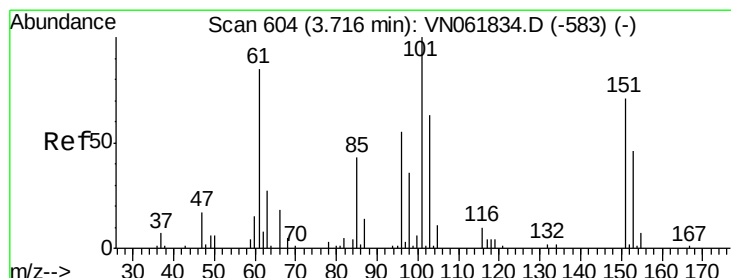
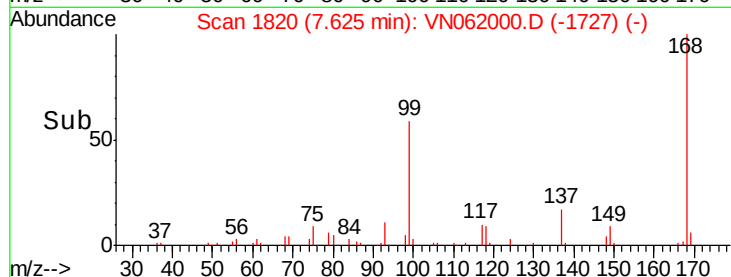
40000

20000

0

7.50 7.60 7.70

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.569 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN062000.D

Acq: 22 Jun 2020 15:30

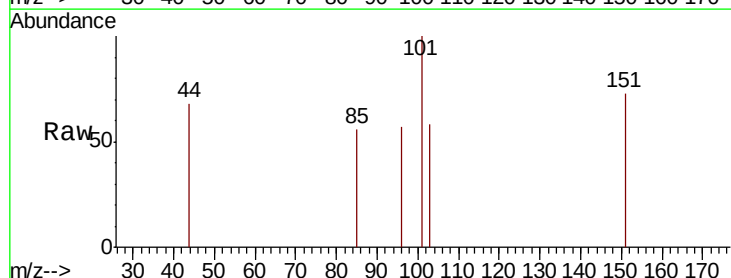
Tgt Ion:101 Resp: 828

Ion Ratio Lower Upper

101 100

85 20.8 35.0 52.6#

151 66.4 59.2 88.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V

500

400

300

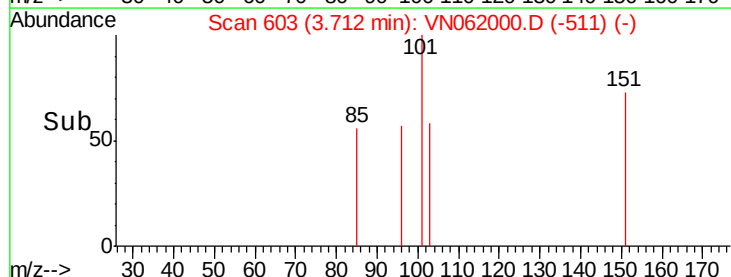
200

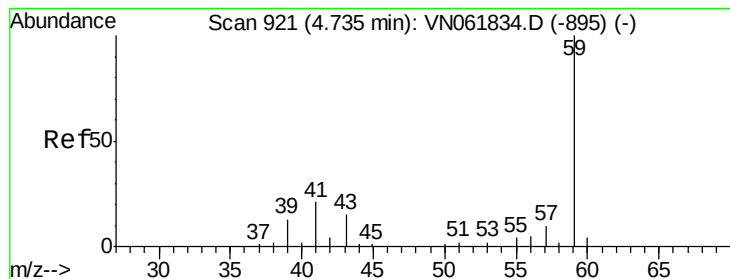
100

0

3.70 3.75

Time-->



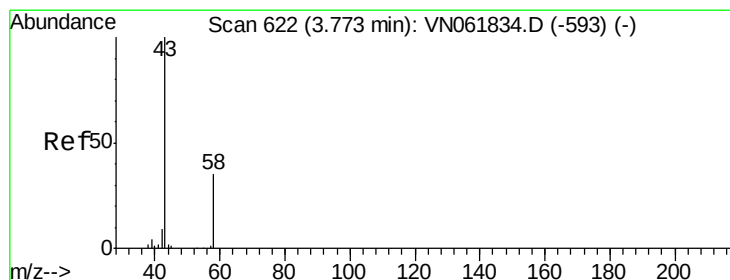
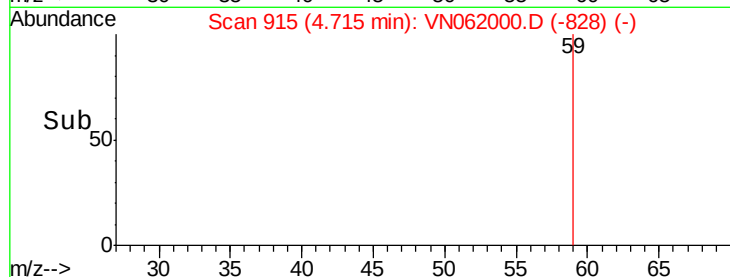
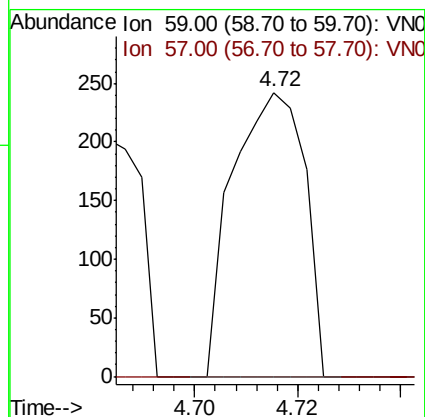
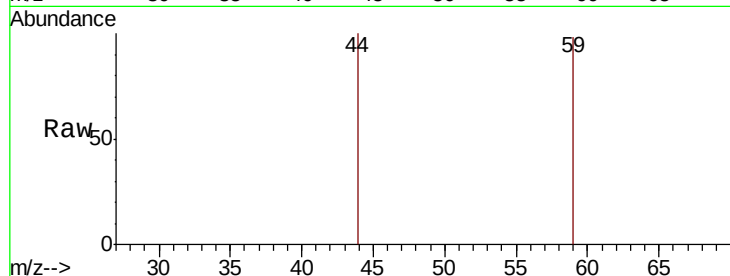


#11

Tert butyl alcohol
 Concen: 0.879 ug/l
 RT: 4.72 min Scan# 915
 Delta R.T. -0.02 min
 Lab File: VN062000.D
 Acq: 22 Jun 2020 15:30

Instrument :
 MSVOA_N
 ClientSampleId :
 REDUP06-20200616DL

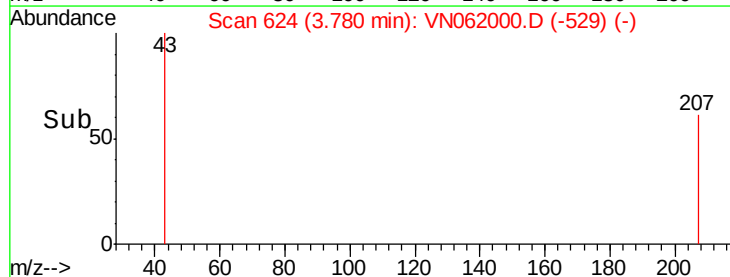
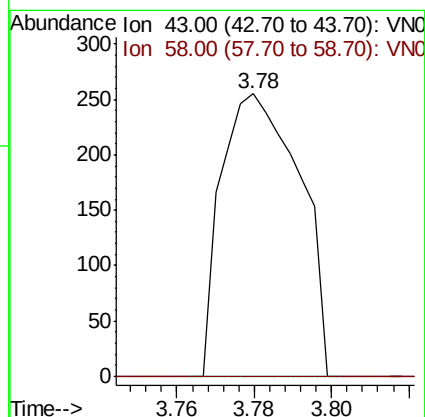
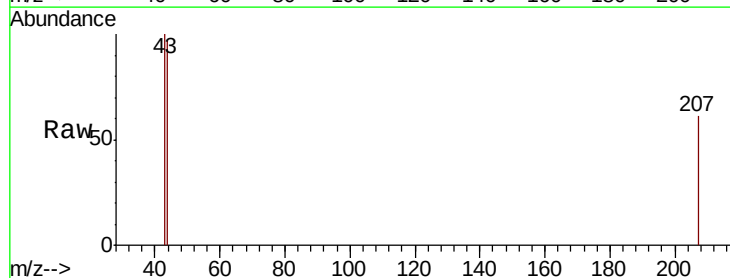
Tot Ion: 59 Resp: 234
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.7 11.5#

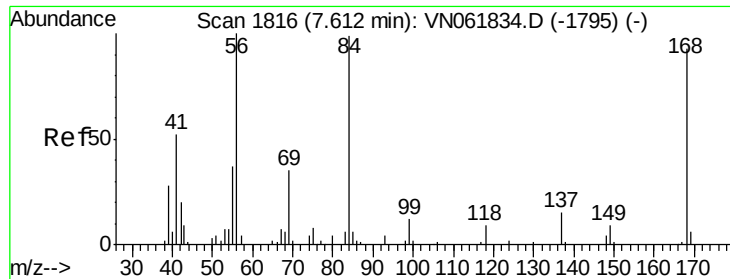


#16

Acetone
 Concen: 0.632 ug/l
 RT: 3.78 min Scan# 624
 Delta R.T. 0.01 min
 Lab File: VN062000.D
 Acq: 22 Jun 2020 15:30

Tgt Ion: 43 Resp: 359
 Ion Ratio Lower Upper
 43 100
 58 0.0 27.8 41.8#

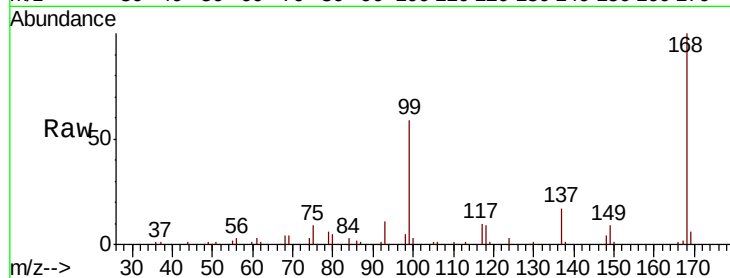




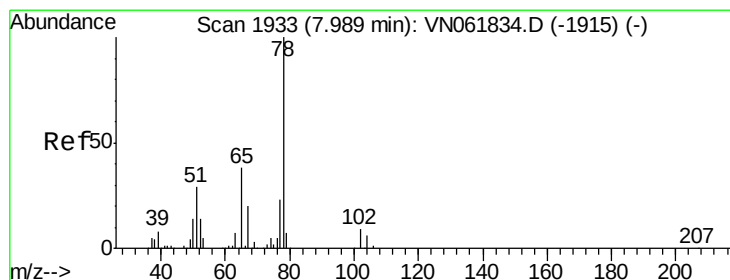
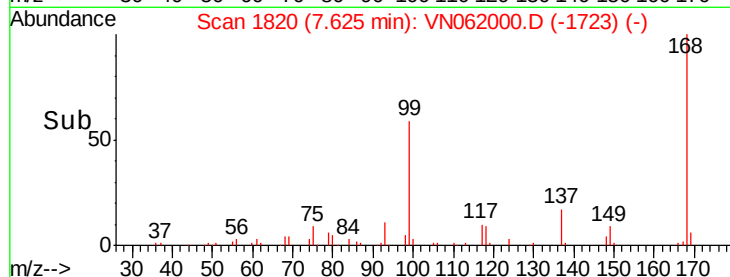
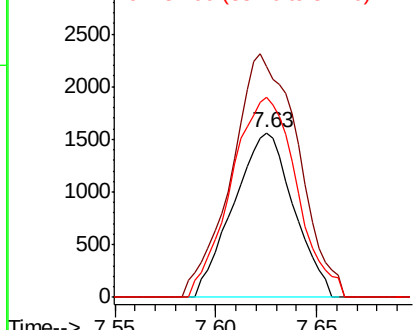
#31
Cyclohexane
Concen: 1.284 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062000.D
Acq: 22 Jun 2020 15:30

Instrument :
MSVOA_N
ClientSampleId :
REDUP06-20200616DL

Tot Ion: 56 Resp: 3256
Ion Ratio Lower Upper
56 100
69 129.4 27.7 41.5#
84 121.0 79.1 118.7#

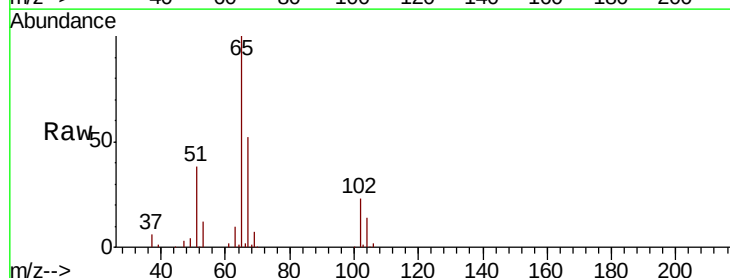


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

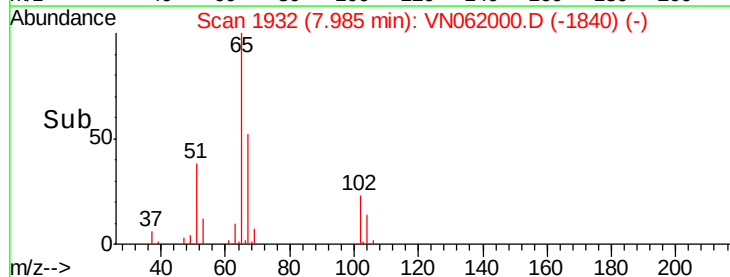
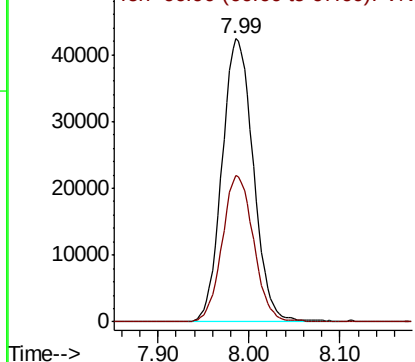


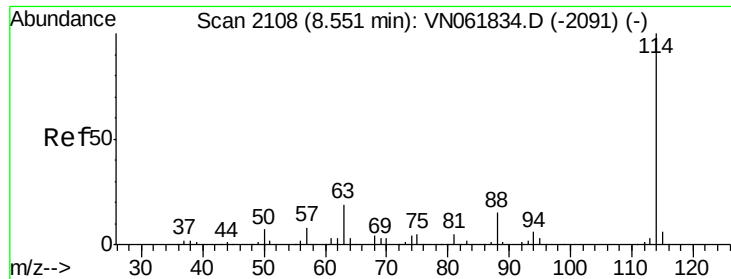
#33
1,2-Dichloroethane-d4
Concen: 52.732 ug/l
RT: 7.99 min Scan# 1932
Delta R.T. -0.00 min
Lab File: VN062000.D
Acq: 22 Jun 2020 15:30

Tgt Ion: 65 Resp: 101468
Ion Ratio Lower Upper
65 100
67 51.7 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

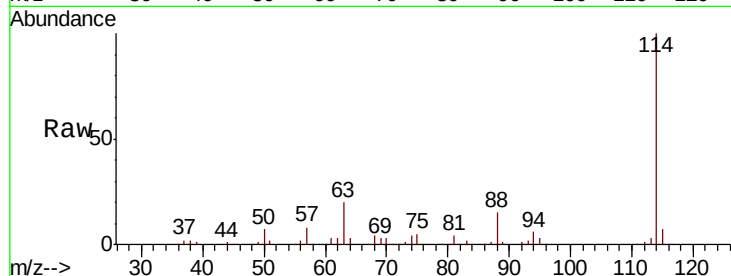




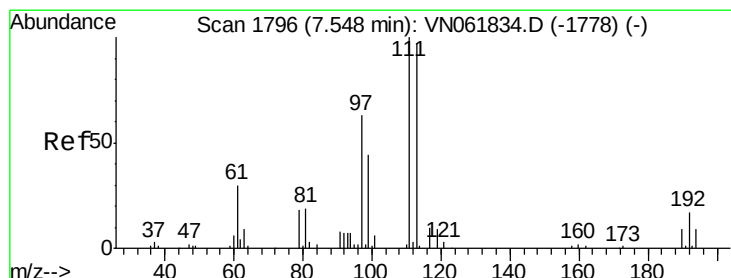
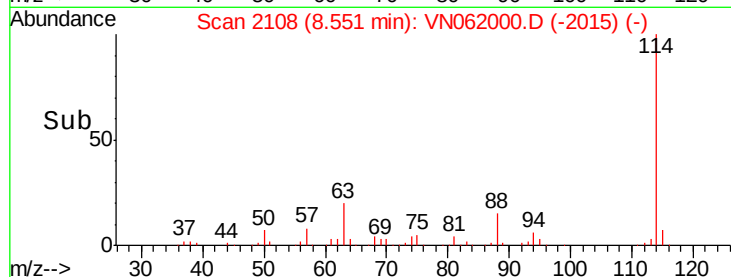
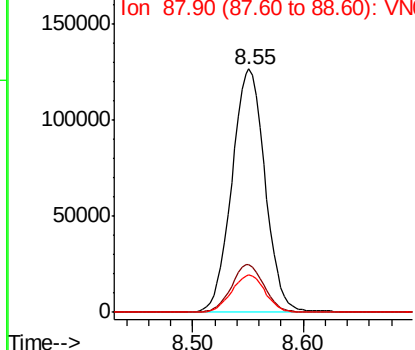
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062000.D
 Acq: 22 Jun 2020 15:30

Instrument :
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 REDUP06-20200616DL

Tot Ion:114 Resp: 264019
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 37.6
 88 15.4 0.0 31.0

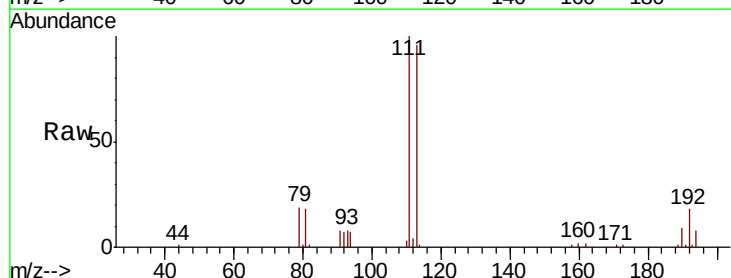


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

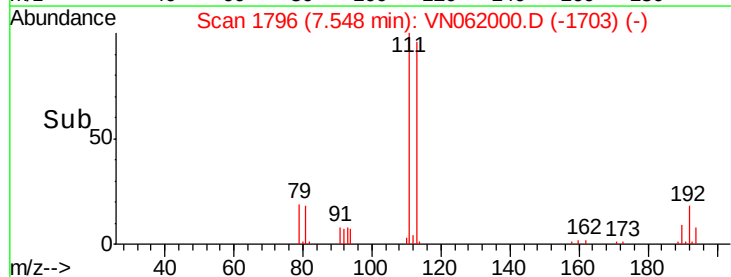
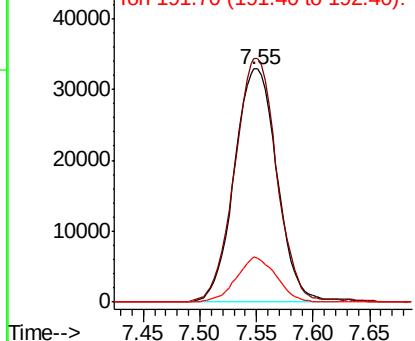


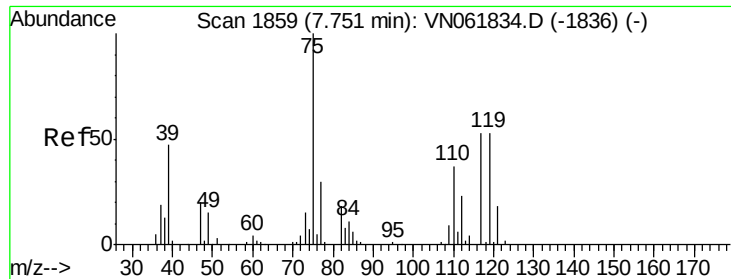
#35
 Dibromofluoromethane
 Concen: 51.100 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062000.D
 Acq: 22 Jun 2020 15:30

Tgt Ion:113 Resp: 86311
 Ion Ratio Lower Upper
 113 100
 111 102.9 83.7 125.5
 192 17.9 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: 4.781 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.13 min

Lab File: VN062000.D

Acq: 22 Jun 2020 15:30

Instrument :

MSVOA_N

ClientSampleId :

REDUP06-20200616DL

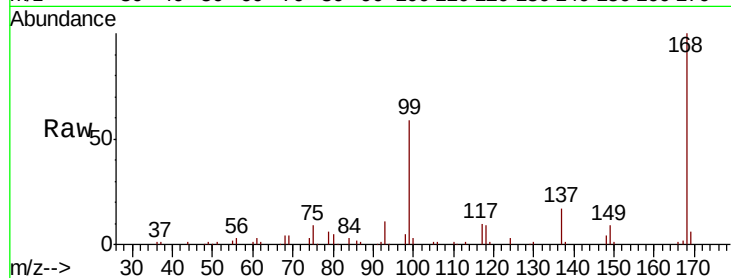
Tot Ion: 75 Resp: 11514

Ion Ratio Lower Upper

75 100

110 6.2 18.2 54.6#

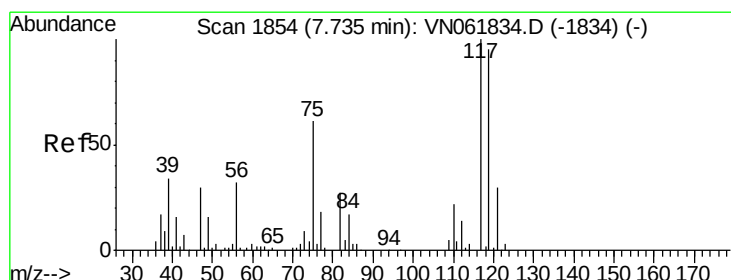
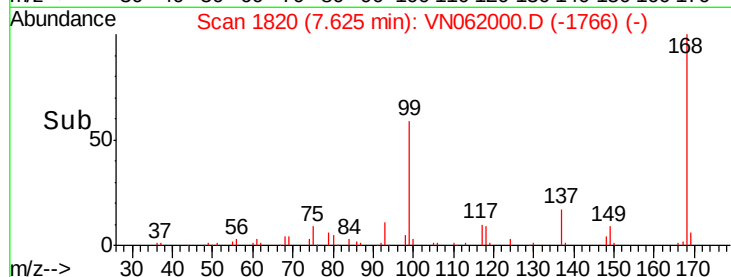
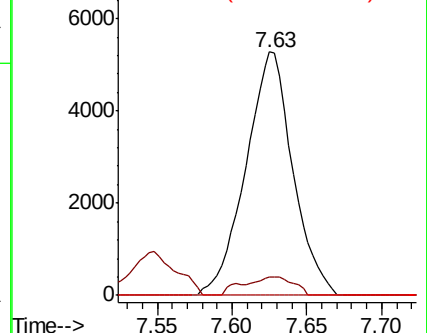
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VN061834.D (-1836) (-)

Ion 109.90 (109.60 to 110.60): VN061834.D (-1836) (-)

Ion 76.90 (76.60 to 77.60): VN061834.D (-1836) (-)



#38

Carbon Tetrachloride

Concen: 6.012 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062000.D

Acq: 22 Jun 2020 15:30

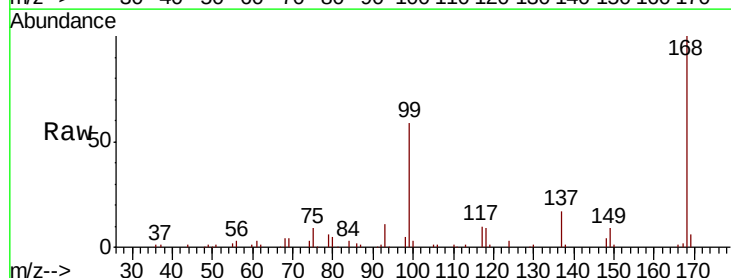
Tgt Ion: 117 Resp: 14337

Ion Ratio Lower Upper

117 100

119 5.0 75.8 113.6#

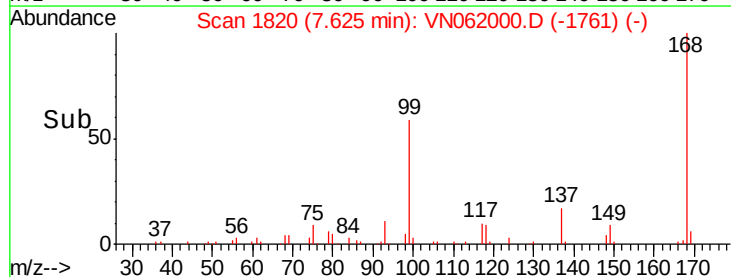
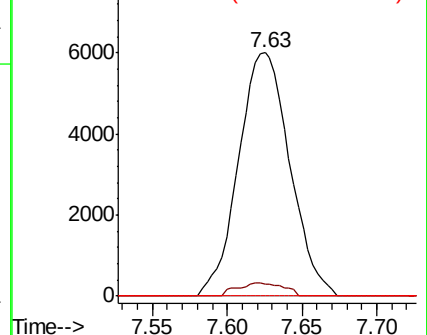
121 0.0 23.8 35.6#

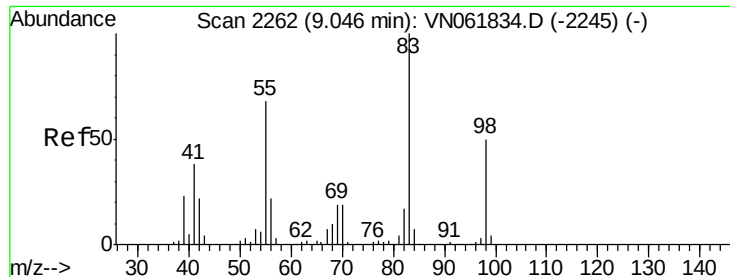


Abundance Ion 116.80 (116.50 to 117.50): VN061834.D (-1834) (-)

Ion 118.80 (118.50 to 119.50): VN061834.D (-1834) (-)

Ion 120.80 (120.50 to 121.50): VN061834.D (-1834) (-)





#39

Methylcyclohexane

Concen: 0.541 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.25 min

Lab File: VN062000.D

Acq: 22 Jun 2020 15:30

Instrument :

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ClientSampleId :

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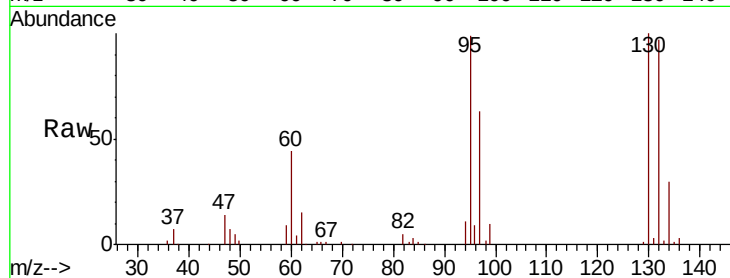
Tot Ion: 83 Resp: 1403

Ion Ratio Lower Upper

83 100

55 0.0 54.2 81.4#

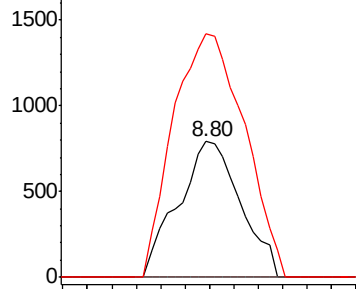
98 179.1 39.8 59.6#



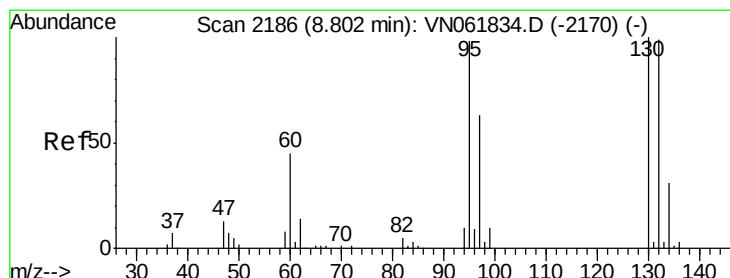
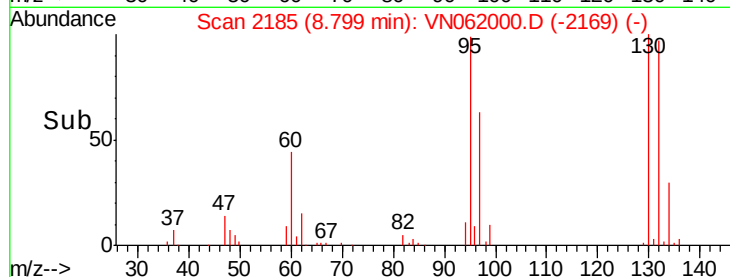
Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



Time-->



#44

Trichloroethene

Concen: 63.490 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN062000.D

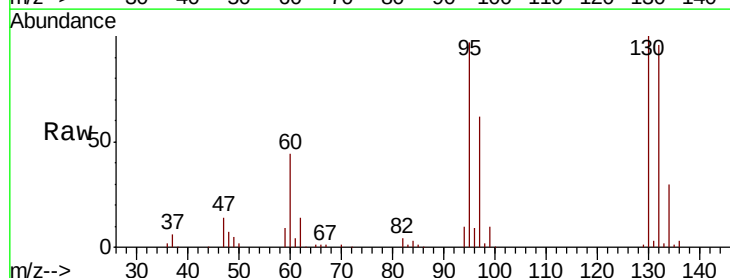
Acq: 22 Jun 2020 15:30

Tgt Ion:130 Resp: 121889

Ion Ratio Lower Upper

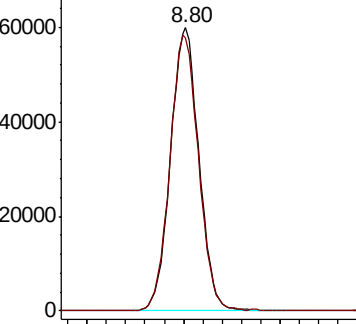
130 100

95 96.5 0.0 195.6

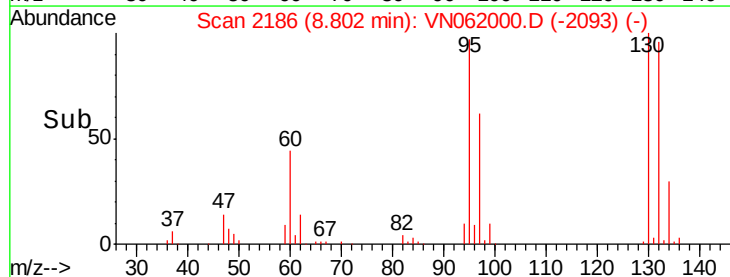


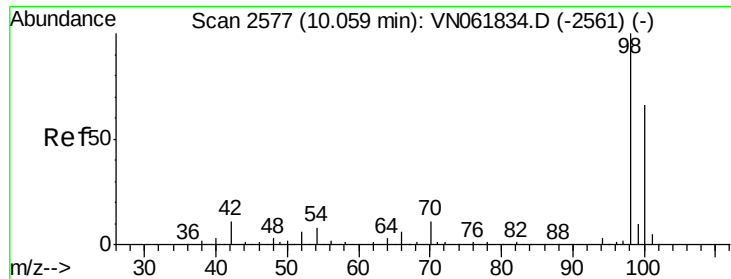
Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0



Time-->

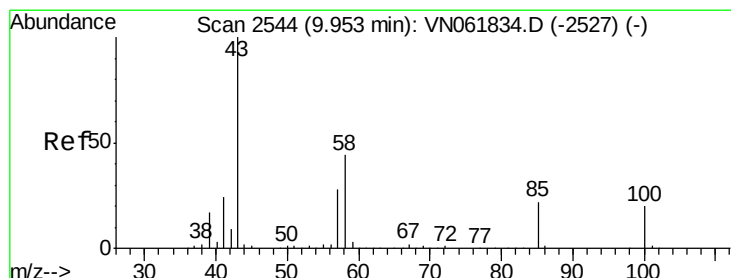
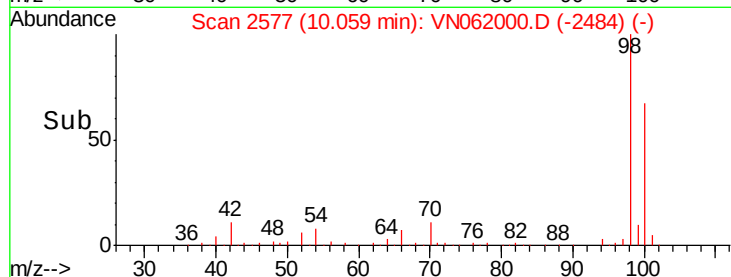
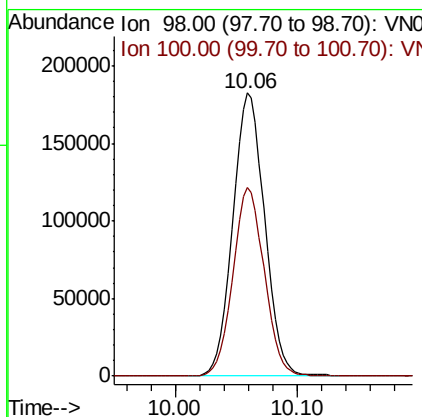
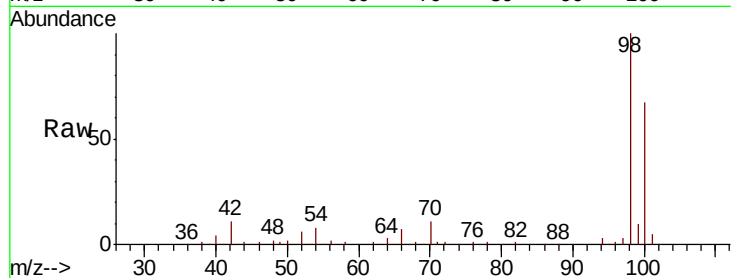




#50
Toluene-d8
Concen: 49.882 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062000.D
Acq: 22 Jun 2020 15:30

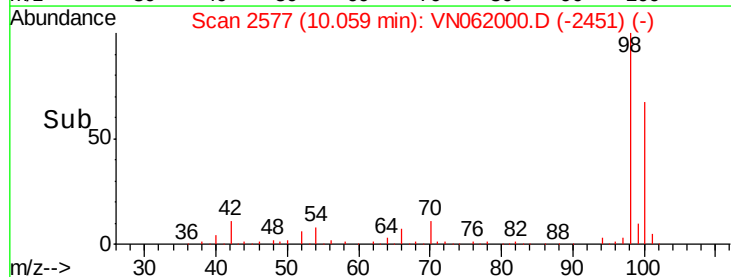
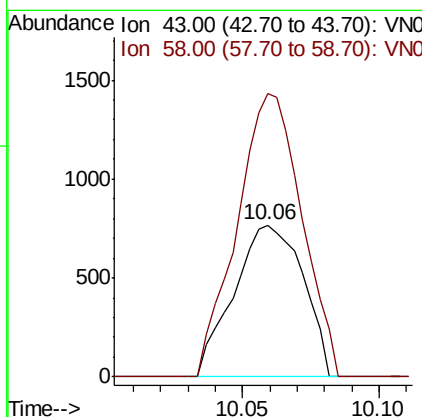
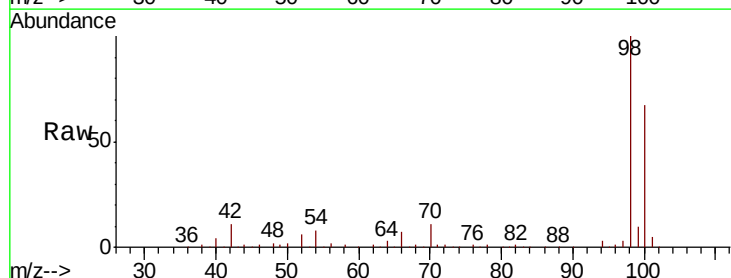
Instrument :
MSVOA_N
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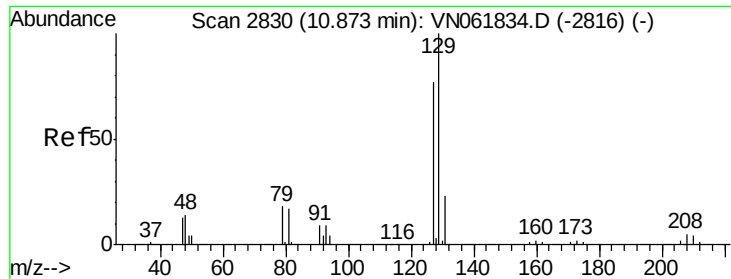
Tot Ion: 98 Resp: 331234
Ion Ratio Lower Upper
98 100
100 65.6 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 0.721 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.11 min
Lab File: VN062000.D
Acq: 22 Jun 2020 15:30

Tgt Ion: 43 Resp: 1350
Ion Ratio Lower Upper
43 100
58 174.1 34.6 52.0#





#60

Dibromochloromethane

Concen: 0.423 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. -0.27 min

Lab File: VN062000.D

Acq: 22 Jun 2020 15:30

Instrument :

MSVOA_N

ClientSampleId :

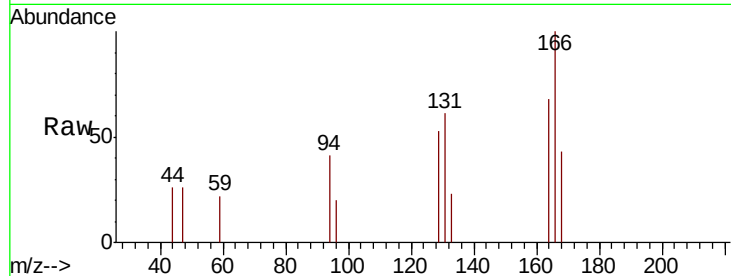
REDUP06-20200616DL

Tot Ion:129 Resp: 851

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.5#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.60

500

400

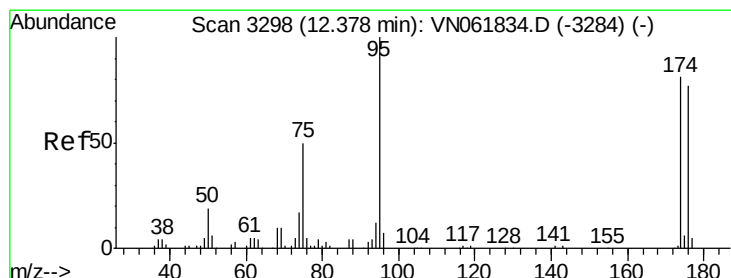
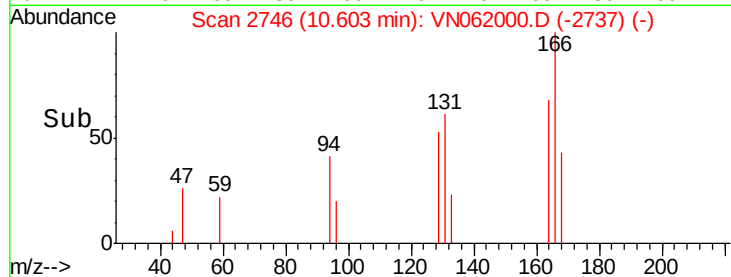
300

200

100

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.660 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062000.D

Acq: 22 Jun 2020 15:30

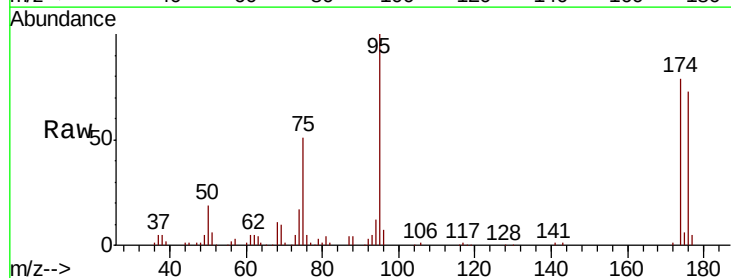
Tgt Ion: 95 Resp: 106280

Ion Ratio Lower Upper

95 100

174 78.7 0.0 158.6

176 74.4 0.0 152.0



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.38

80000

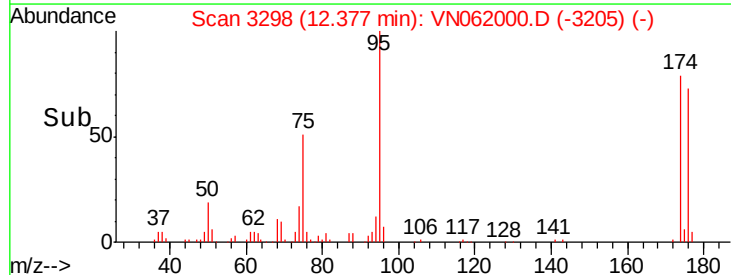
60000

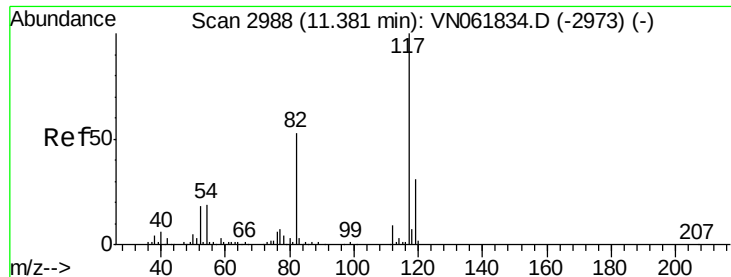
40000

20000

0

Time-->

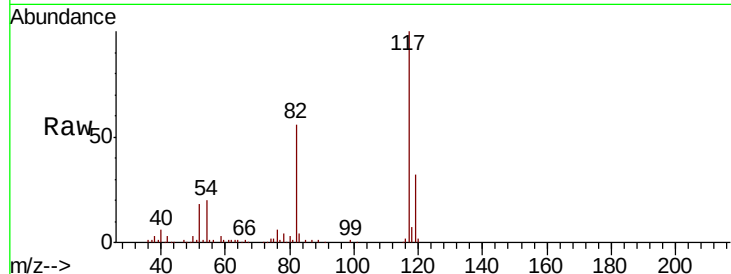




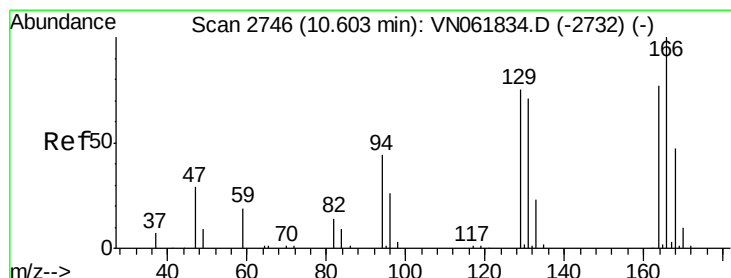
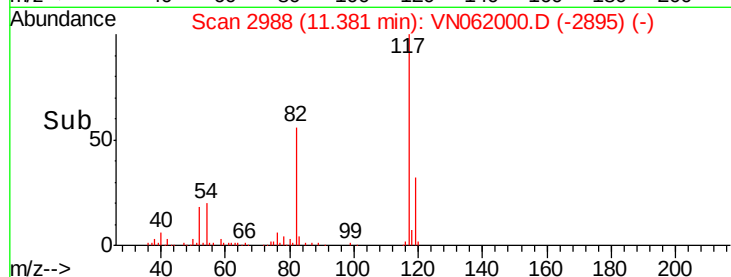
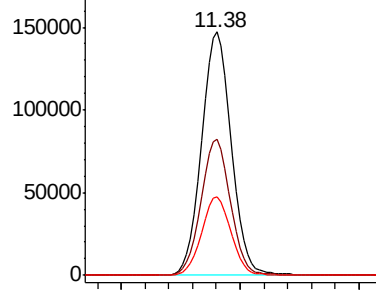
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062000.D
Acq: 22 Jun 2020 15:30

Instrument :
MSVOA_N
ClientSampleId :
REDUP06-20200616DL

Tot Ion:117 Resp: 255013
Ion Ratio Lower Upper
117 100
82 55.9 42.6 64.0
119 32.1 24.7 37.1

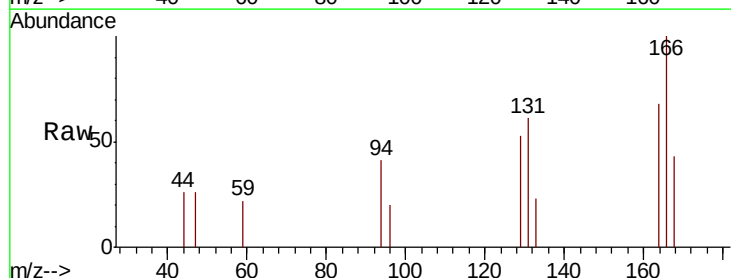


Abundance Ion 116.90 (116.60 to 117.60): V
200000 Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

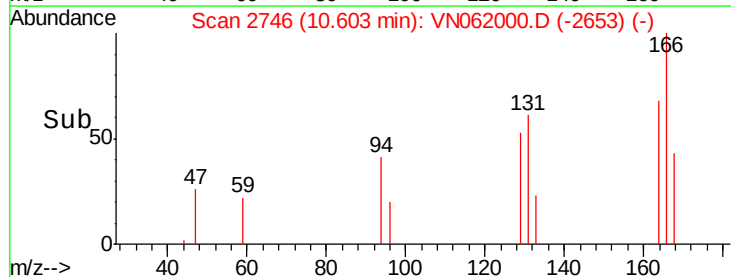
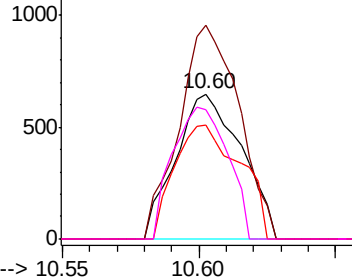


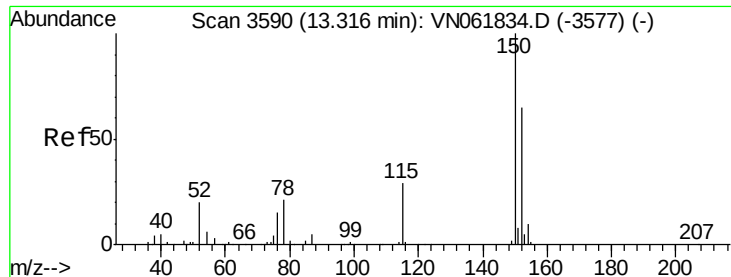
#64
Tetrachloroethene
Concen: 0.666 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062000.D
Acq: 22 Jun 2020 15:30

Tgt Ion:164 Resp: 1083
Ion Ratio Lower Upper
164 100
166 147.6 103.5 155.3
129 78.7 77.5 116.3
131 89.5 73.8 110.8



Abundance Ion 163.80 (163.50 to 164.50): V
1500 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: VN062000.D

Acq: 22 Jun 2020 15:30

Instrument :

MSVOA_N

ClientSampleId :

REDUP06-20200616DL

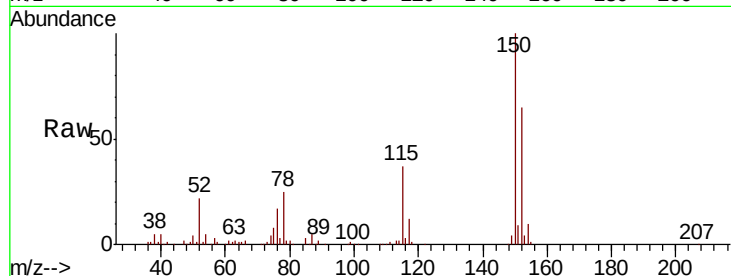
Tot Ion:152 Resp: 93427

Ion Ratio Lower Upper

152 100

115 58.0 29.1 87.3

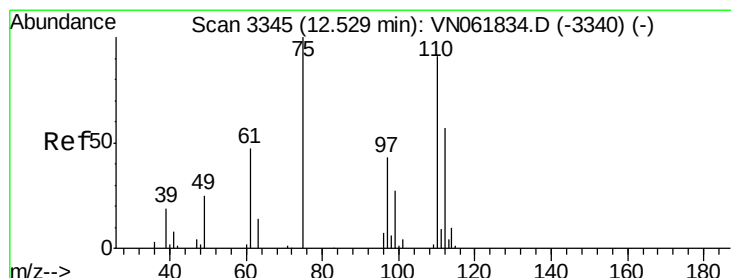
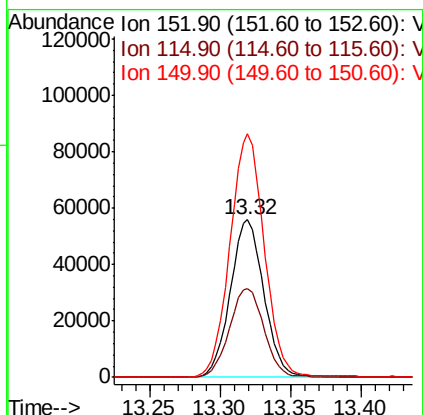
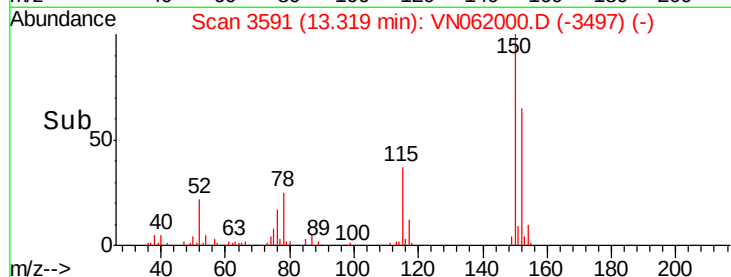
150 156.9 0.0 347.6



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: 29.833 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062000.D

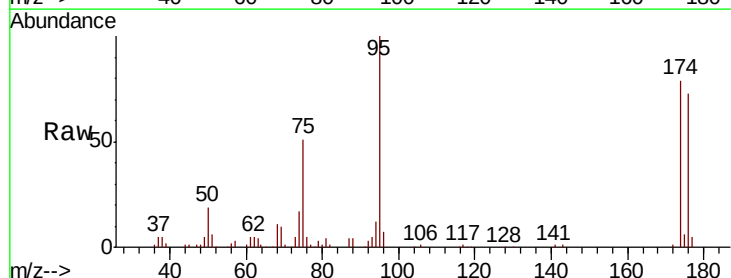
Acq: 22 Jun 2020 15:30

Tgt Ion: 75 Resp: 54720

Ion Ratio Lower Upper

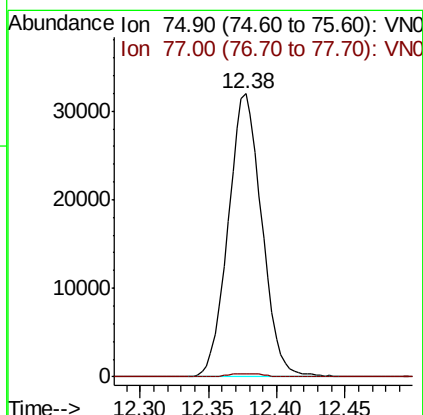
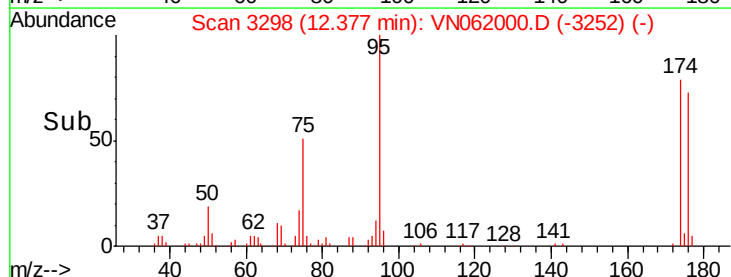
75 100

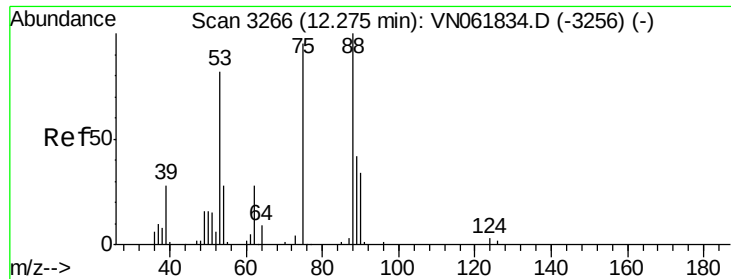
77 1.2 0.0 0.0#



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: 81.367 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062000.D

Acq: 22 Jun 2020 15:30

Instrument :

MSVOA_N

ClientSampleId :

REDUP06-20200616DL

Tot Ion: 75 Resp: 54720

Ion Ratio Lower Upper

75 100

53 0.0 70.4 105.6#

89 0.0 36.0 54.0#

