

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062320\
 Data File : VN062046.D
 Acq On : 23 Jun 2020 17:00
 Operator : JC/MD
 Sample : L3043-08DL 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE122D1-20200615DL

Quant Time: Jun 24 01:33:14 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

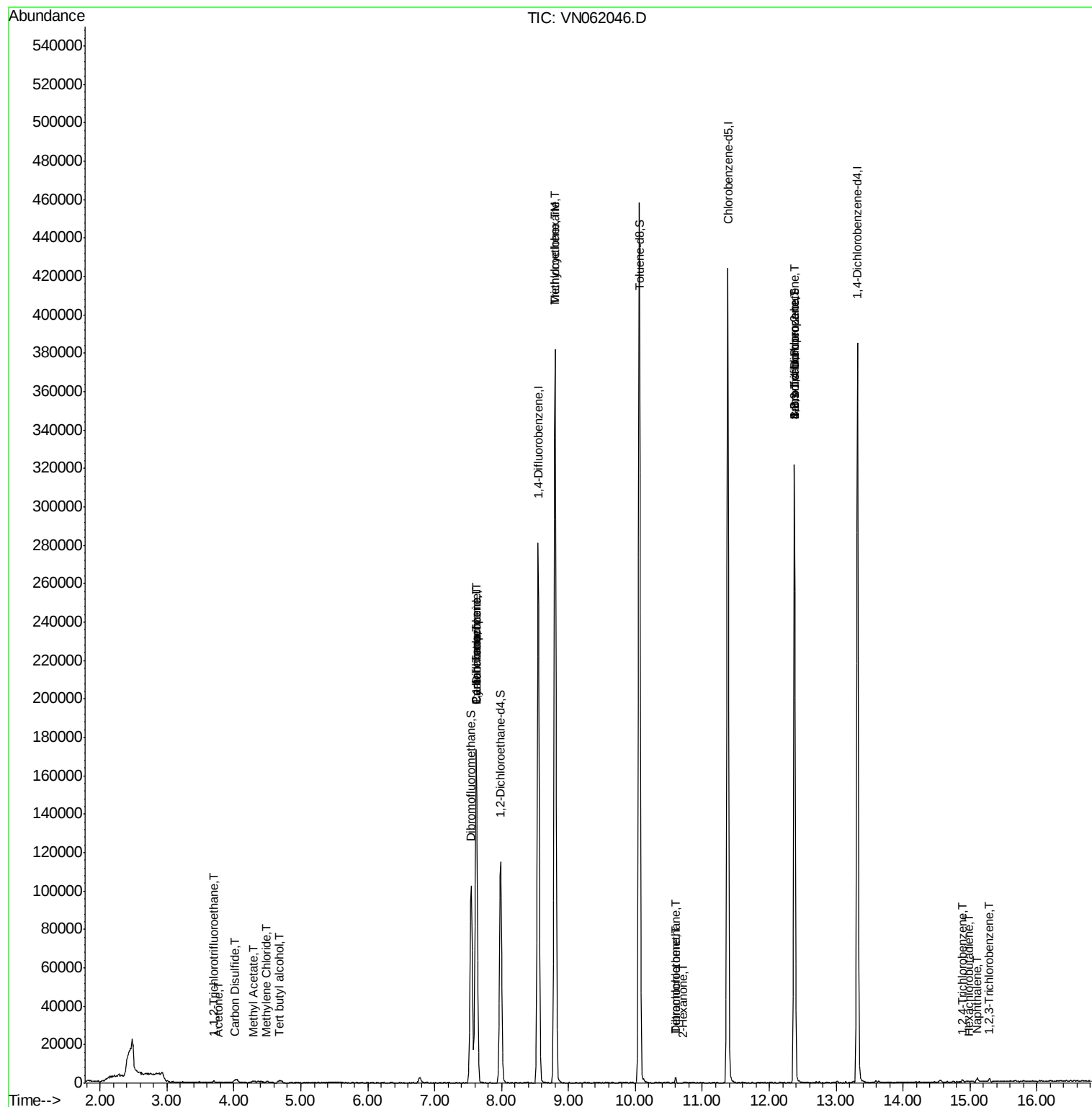
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	140124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	254973	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	248067	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	103596	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	96127	51.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.30%	
35) Dibromofluoromethane	7.54	113	80712	49.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.96%	
50) Toluene-d8	10.06	98	323955	50.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.04%	
62) 4-Bromofluorobenzene	12.38	95	111103	50.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.02%	
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluoroet	3.70	101	470	0.331	ug/l #	49
11) Tert butyl alcohol	4.68	59	705	2.711	ug/l #	74
16) Acetone	3.77	43	386	0.695	ug/l #	40
17) Carbon Disulfide	4.00	76	1032	0.248	ug/l #	75
18) Methyl Acetate	4.28	43	450	0.282	ug/l #	46
20) Methylene Chloride	4.50	84	434	0.240	ug/l #	33
31) Cyclohexane	7.62	56	3165	1.278	ug/l #	14
36) 1,1-Dichloropropene	7.62	75	11631	5.001	ug/l #	48
38) Carbon Tetrachloride	7.62	117	13921	6.045	ug/l #	17
39) Methylcyclohexane	8.80	83	1593	0.636	ug/l #	1
44) Trichloroethene	8.80	130	141394	76.263	ug/l	98
59) 2-Hexanone	10.72	43	420	13.682	ug/l #	20
60) Dibromochloromethane	10.61	129	537	0.276	ug/l #	11
64) Tetrachloroethene	10.60	164	658	0.416	ug/l #	87
71) Bromoform	12.38	173	982	0.738	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	56855	27.954	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	56855	76.243	ug/l #	14
93) 1,2,4-Trichlorobenzene	14.89	180	582	0.378	ug/l #	75
94) Hexachlorobutadiene	14.98	225	166	0.274	ug/l #	45
95) Naphthalene	15.11	128	2810	3.990	ug/l #	83
96) 1,2,3-Trichlorobenzene	15.29	180	840	0.551	ug/l	83

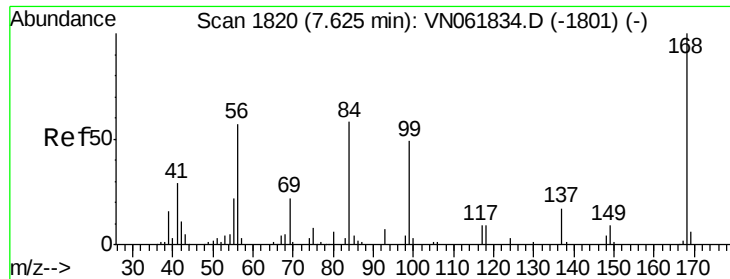
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN062046.D

Acq: 23 Jun 2020 17:00

Instrument :

MSVOA_N

ClientSampleId :

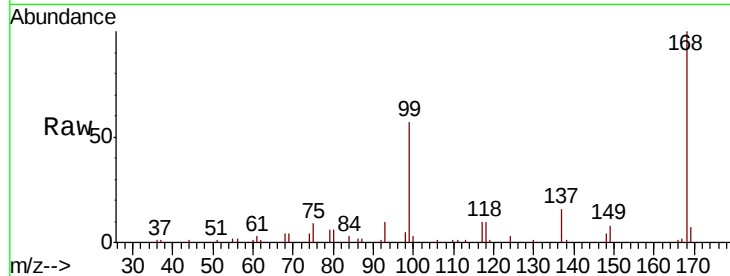
RE122D1-20200615DL

Tot Ion:168 Resp: 140124

Ion Ratio Lower Upper

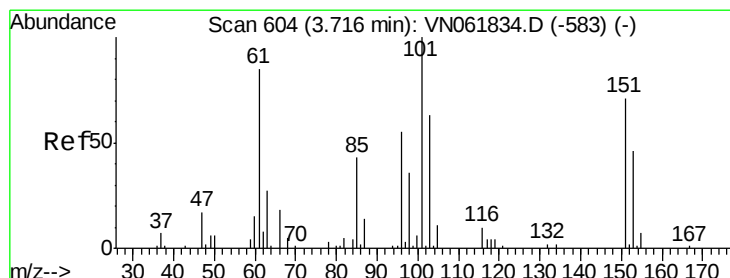
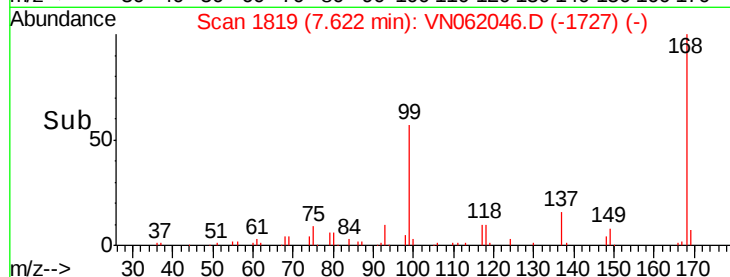
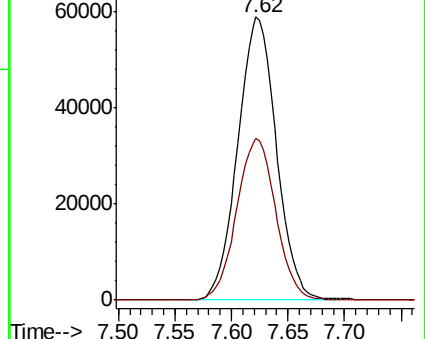
168 100

99 57.0 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.331 ug/l

RT: 3.70 min Scan# 600

Delta R.T. -0.01 min

Lab File: VN062046.D

Acq: 23 Jun 2020 17:00

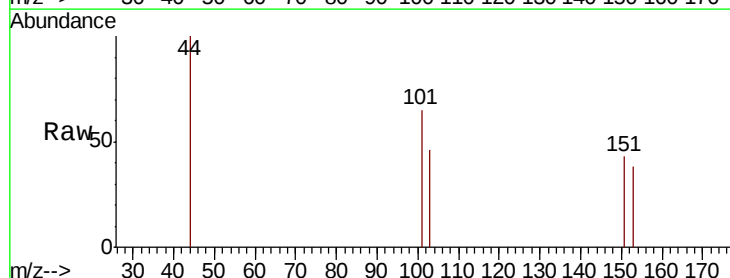
Tgt Ion:101 Resp: 470

Ion Ratio Lower Upper

101 100

85 20.4 35.0 52.6#

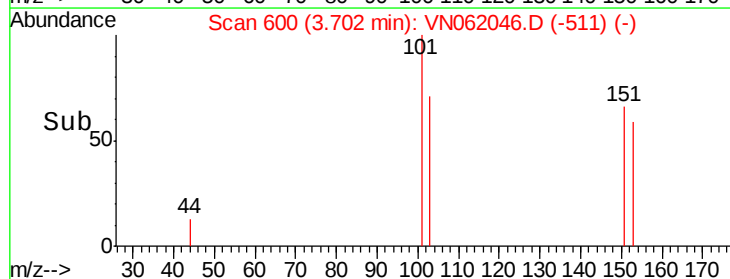
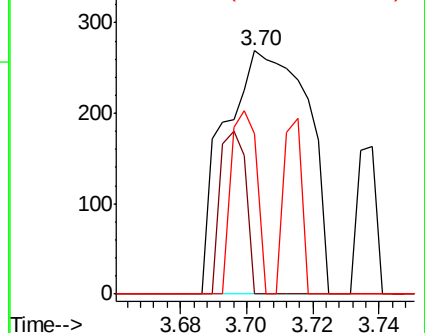
151 23.2 59.2 88.8#

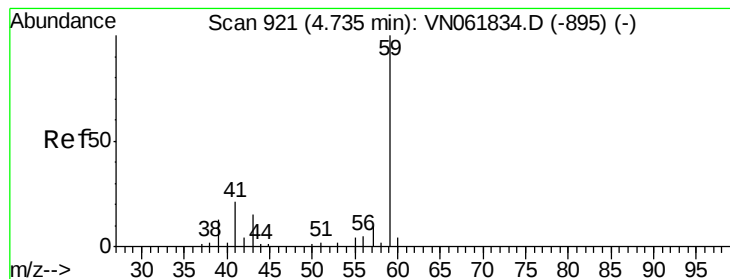


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



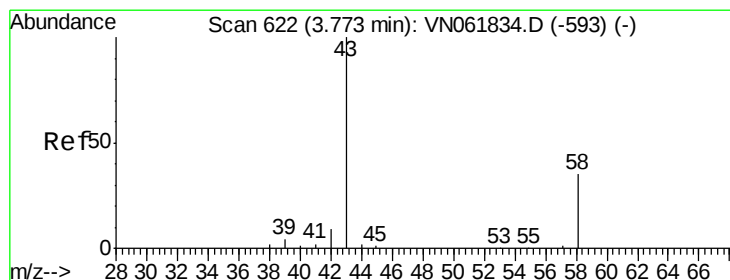
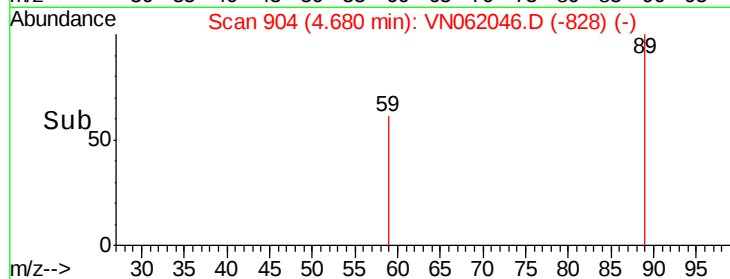
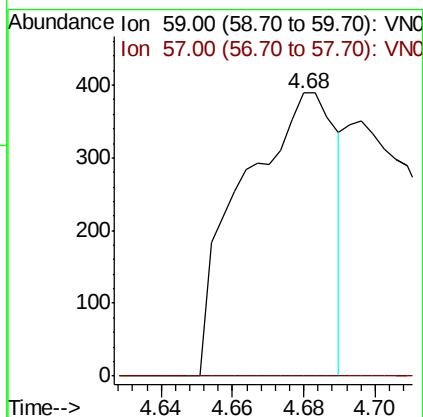
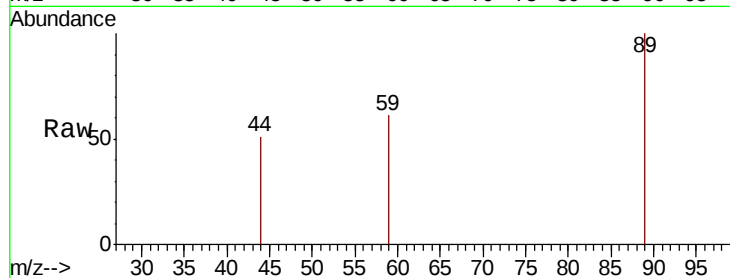


#11

Tert butyl alcohol
 Concen: 2.711 ug/l
 RT: 4.68 min Scan# 904
 Delta R.T. -0.05 min
 Lab File: VN062046.D
 Acq: 23 Jun 2020 17:00

Instrument :
 MSVOA_N
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 RE122D1-20200615DL

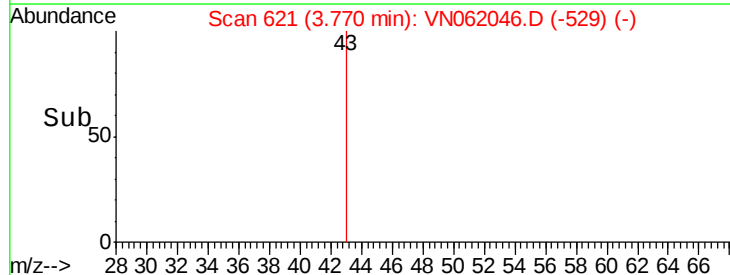
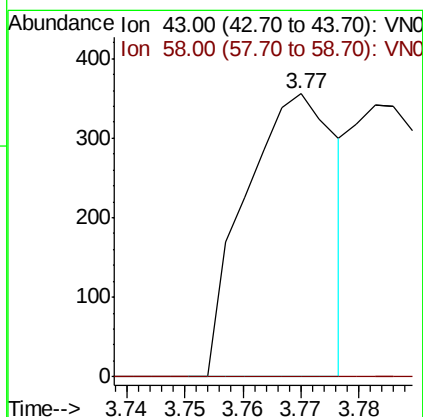
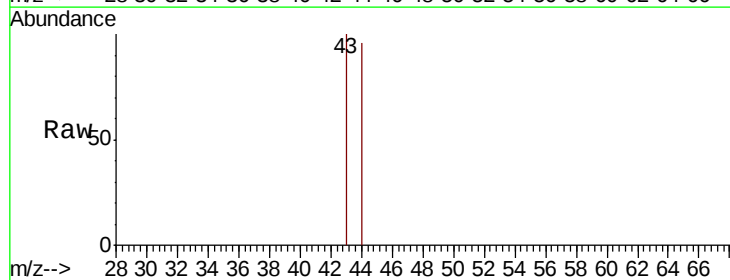
Tot Ion: 59 Resp: 705
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.7 11.5#

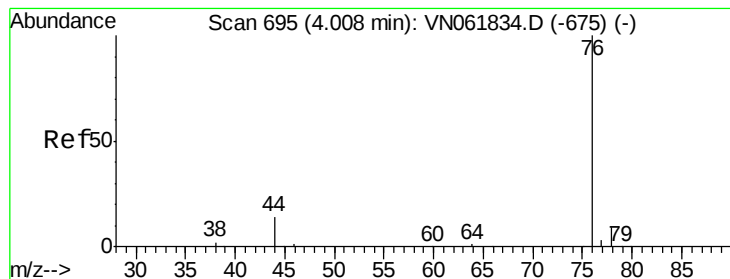


#16

Acetone
 Concen: 0.695 ug/l
 RT: 3.77 min Scan# 621
 Delta R.T. -0.00 min
 Lab File: VN062046.D
 Acq: 23 Jun 2020 17:00

Tgt Ion: 43 Resp: 386
 Ion Ratio Lower Upper
 43 100
 58 0.0 27.8 41.8#





#17

Carbon Disulfide

Concen: 0.248 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN062046.D

Acq: 23 Jun 2020 17:00

Instrument :

MSVOA_N

ClientSampleId :

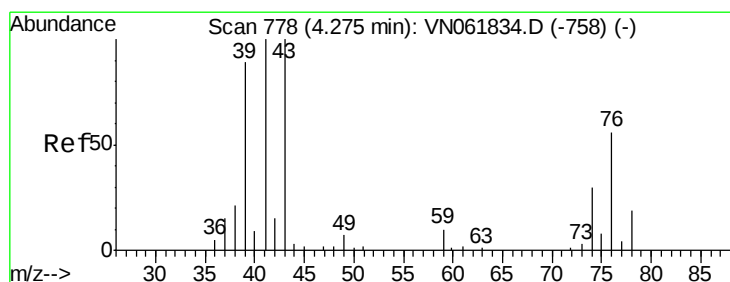
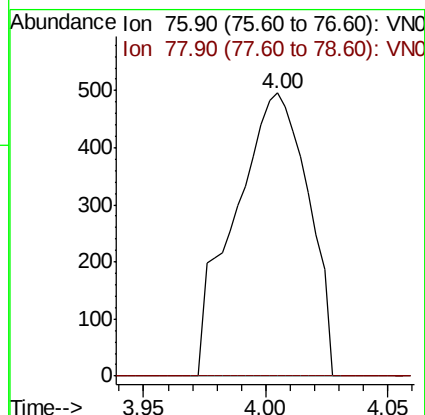
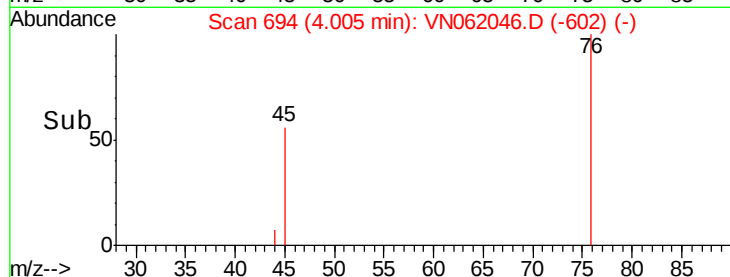
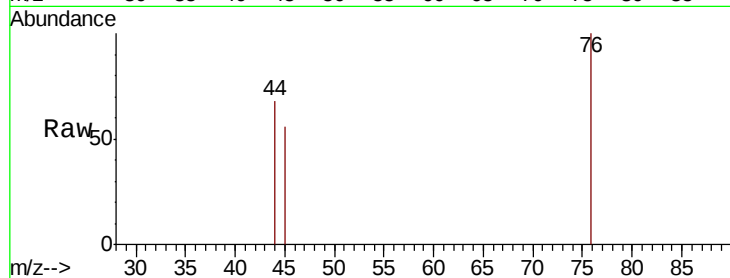
RE122D1-20200615DL

Tot Ion: 76 Resp: 1032

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#



#18

Methyl Acetate

Concen: 0.282 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN062046.D

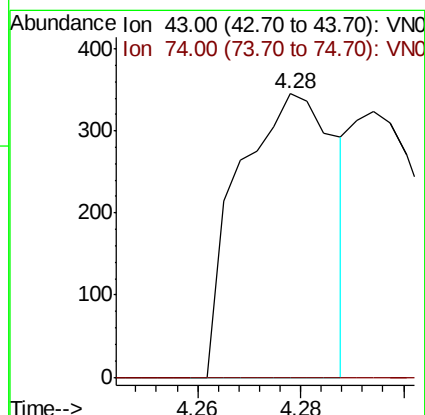
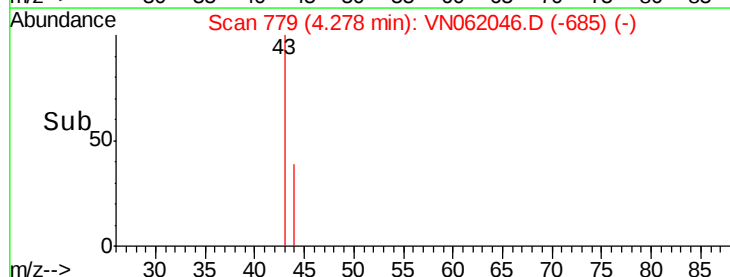
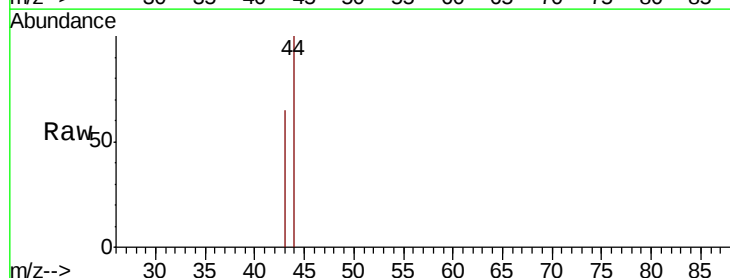
Acq: 23 Jun 2020 17:00

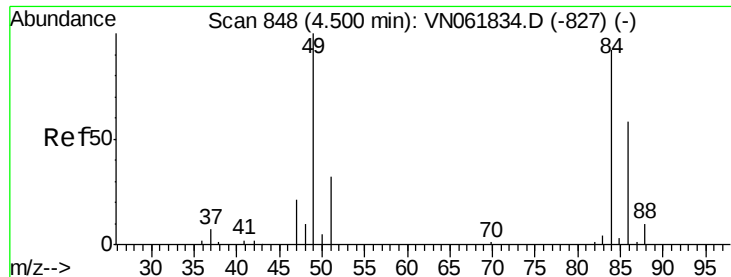
Tgt Ion: 43 Resp: 450

Ion Ratio Lower Upper

43 100

74 0.0 23.0 34.4#

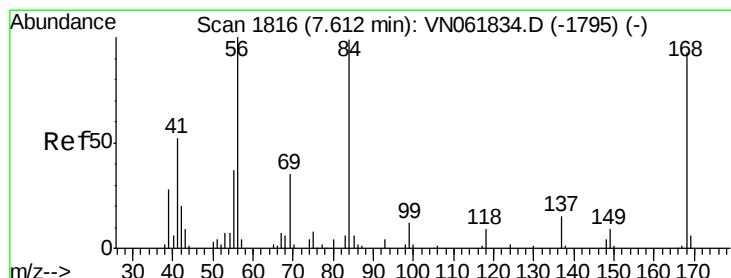
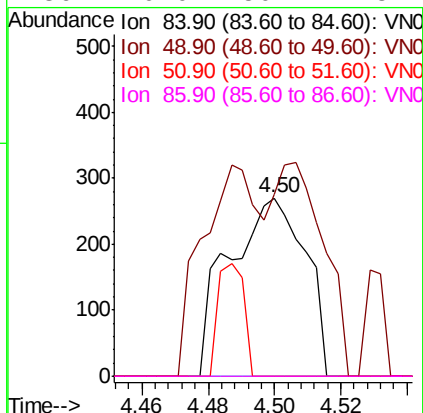
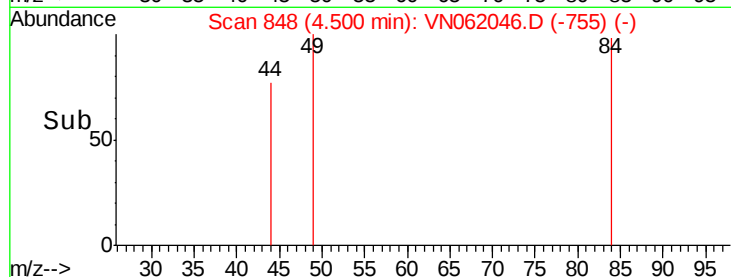
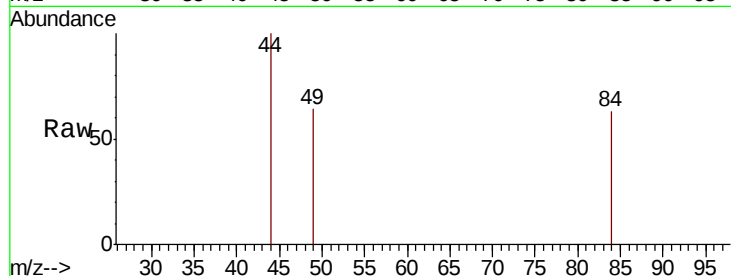




#20
Methvlene Chloride
Concen: 0.240 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062046.D
Acq: 23 Jun 2020 17:00

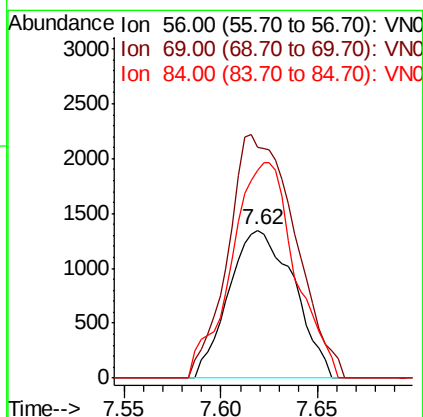
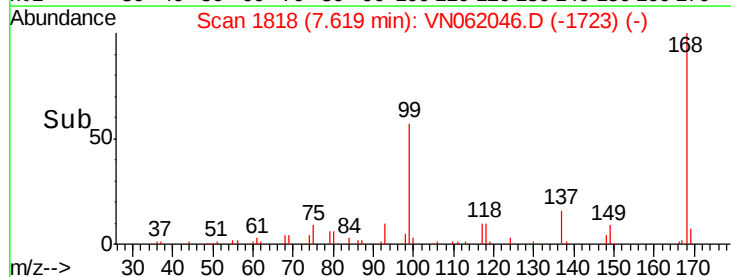
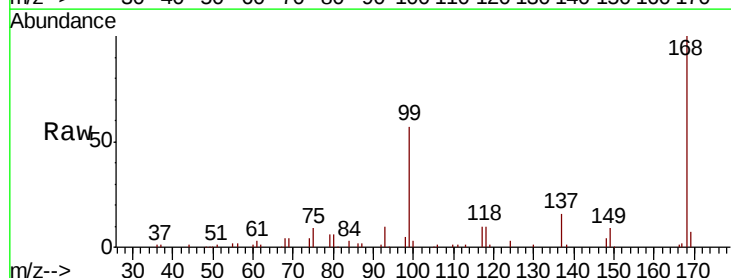
Instrument :
MSVOA_N
ClientSampleId :
RE122D1-20200615DL

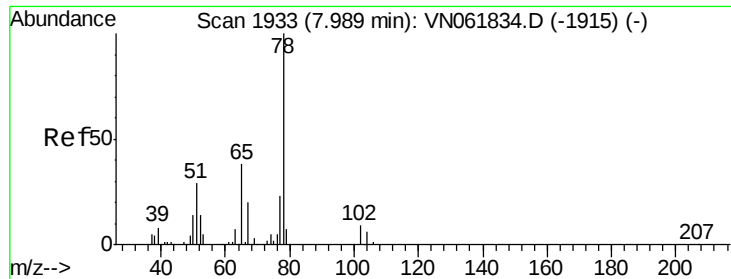
Tot Ion: 84 Resp: 434
Ion Ratio Lower Upper
84 100
49 44.1 87.0 130.4#
51 0.0 27.8 41.6#
86 0.0 50.2 75.2#



#31
Cyclohexane
Concen: 1.278 ug/l
RT: 7.62 min Scan# 1818
Delta R.T. 0.01 min
Lab File: VN062046.D
Acq: 23 Jun 2020 17:00

Tgt Ion: 56 Resp: 3165
Ion Ratio Lower Upper
56 100
69 156.7 27.7 41.5#
84 141.2 79.1 118.7#

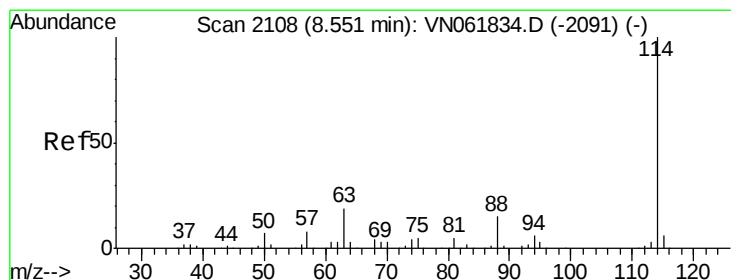
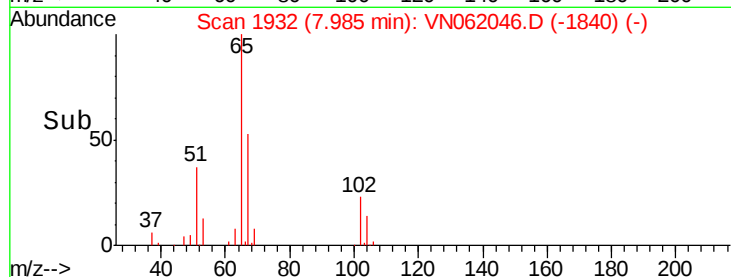
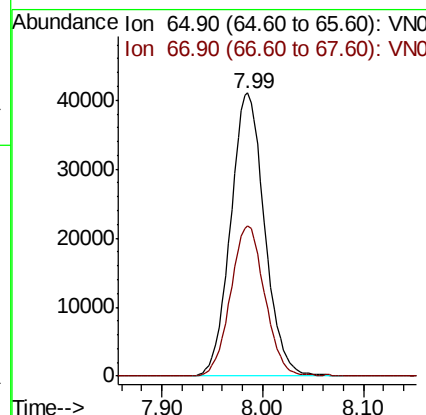
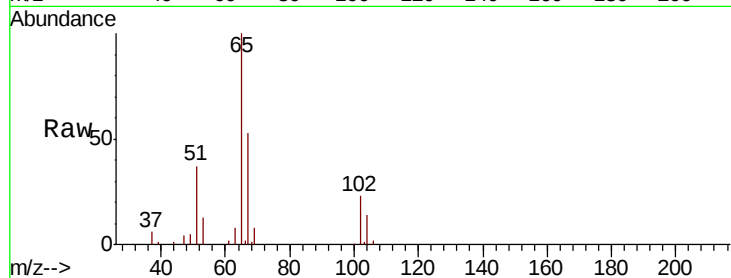




#33
 1,2-Dichloroethane-d4
 Concen: 51.151 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062046.D
 Acq: 23 Jun 2020 17:00

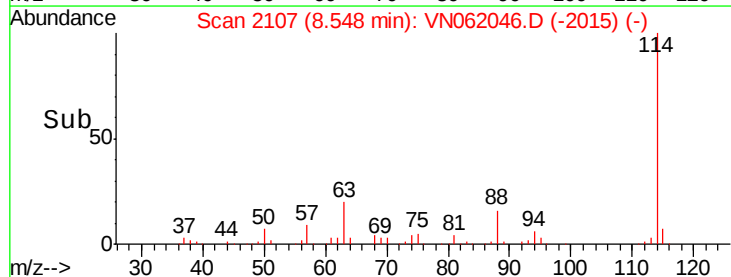
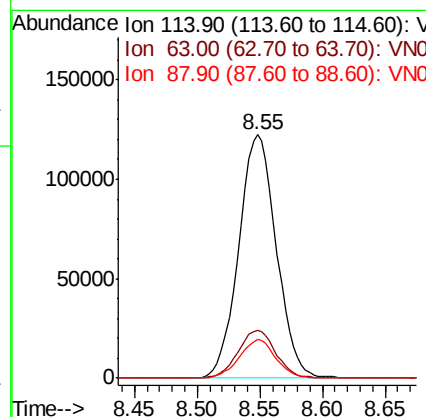
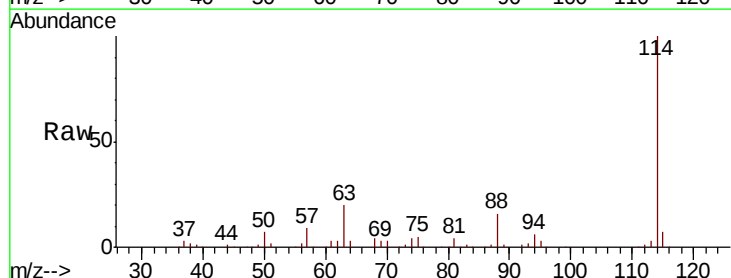
Instrument :
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 RE122D1-20200615DL

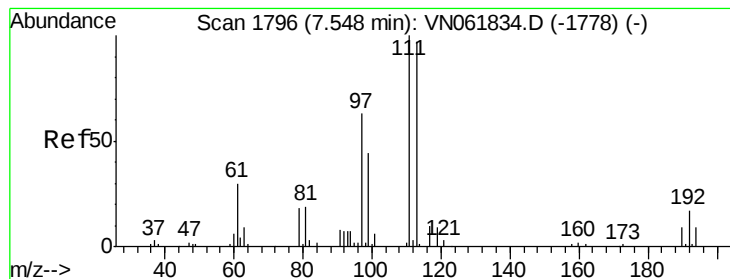
Tot Ion: 65 Resp: 96127
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062046.D
 Acq: 23 Jun 2020 17:00

Tgt Ion: 114 Resp: 254973
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 37.6
 88 15.8 0.0 31.0





#35

Dibromofluoromethane

Concen: 49.481 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN062046.D

Acq: 23 Jun 2020 17:00

Instrument :

MSVOA_N

ClientSampleId :

RE122D1-20200615DL

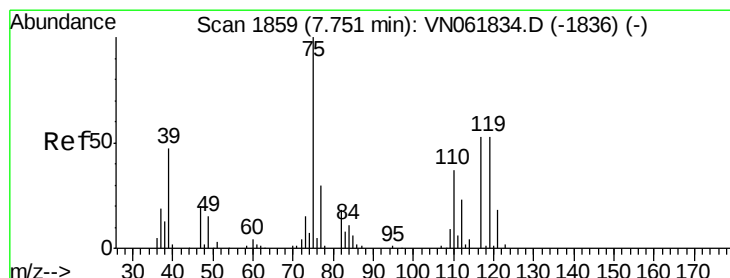
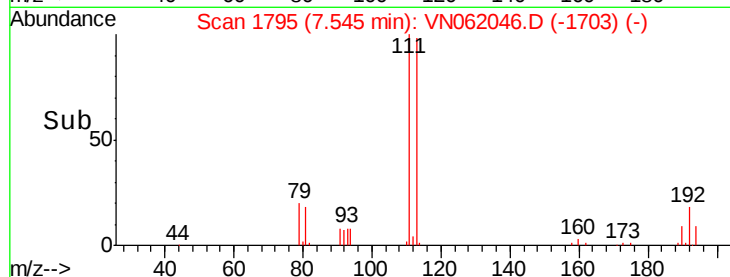
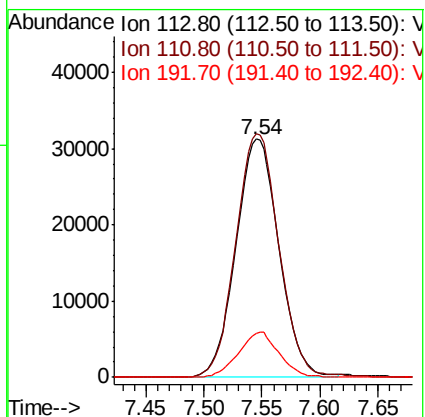
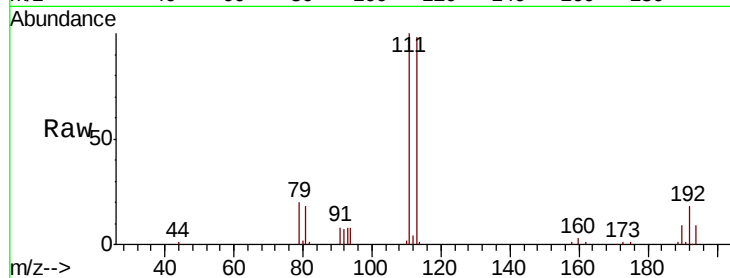
Tot Ion:113 Resp: 80712

Ion Ratio Lower Upper

113 100

111 102.6 83.7 125.5

192 17.8 13.9 20.9



#36

1,1-Dichloropropene

Concen: 5.001 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.13 min

Lab File: VN062046.D

Acq: 23 Jun 2020 17:00

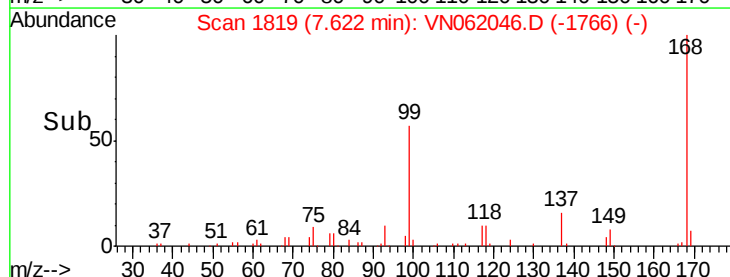
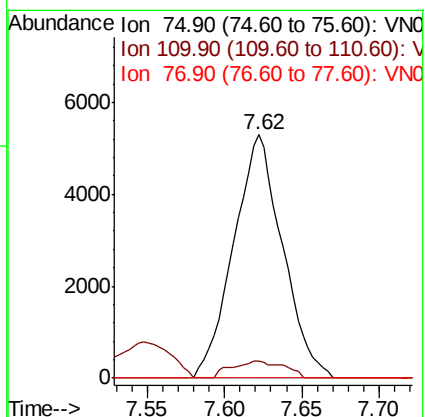
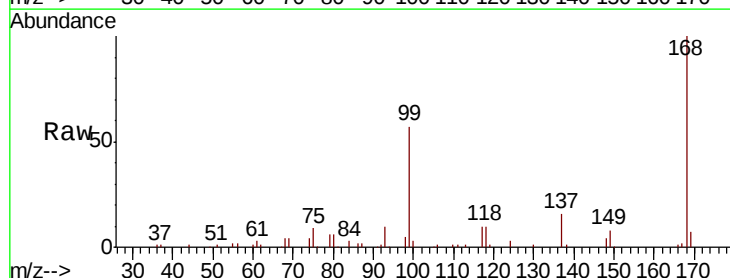
Tgt Ion: 75 Resp: 11631

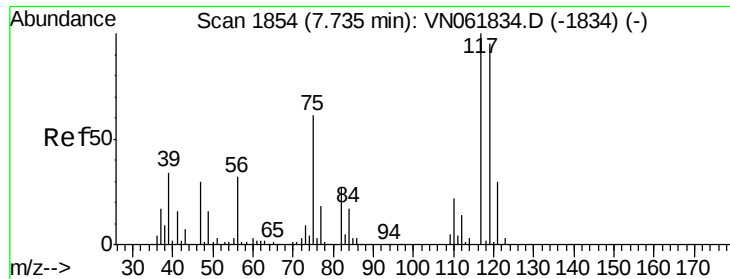
Ion Ratio Lower Upper

75 100

110 7.5 18.2 54.6#

77 0.0 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 6.045 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.11 min

Lab File: VN062046.D

Acq: 23 Jun 2020 17:00

Instrument :

MSVOA_N

ClientSampleId :

RE122D1-20200615DL

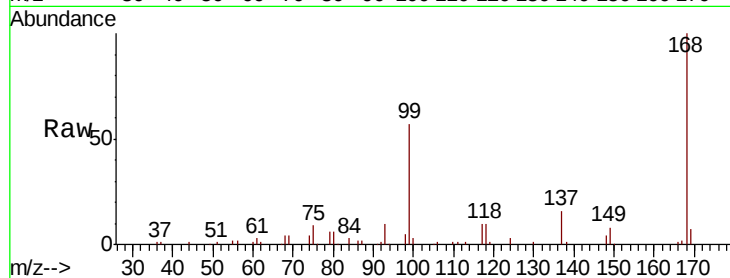
Tot Ion:117 Resp: 13921

Ion Ratio Lower Upper

117 100

119 5.4 75.8 113.6#

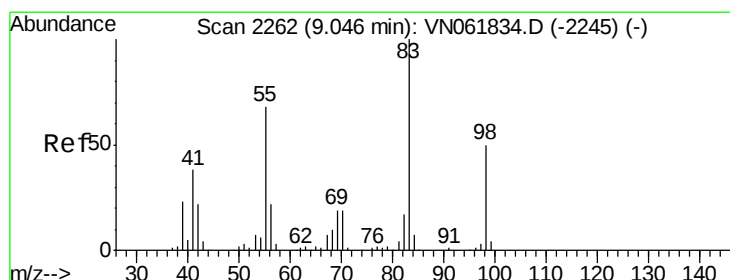
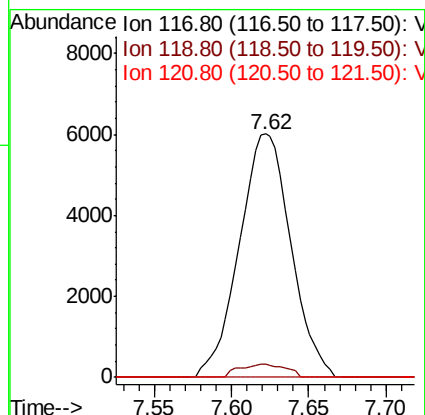
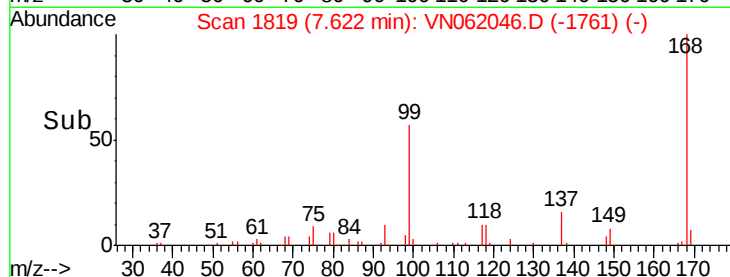
121 0.0 23.8 35.6#



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



#39

Methylcyclohexane

Concen: 0.636 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.25 min

Lab File: VN062046.D

Acq: 23 Jun 2020 17:00

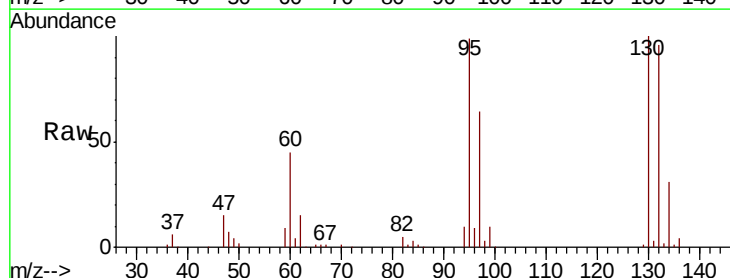
Tgt Ion: 83 Resp: 1593

Ion Ratio Lower Upper

83 100

55 0.0 54.2 81.4#

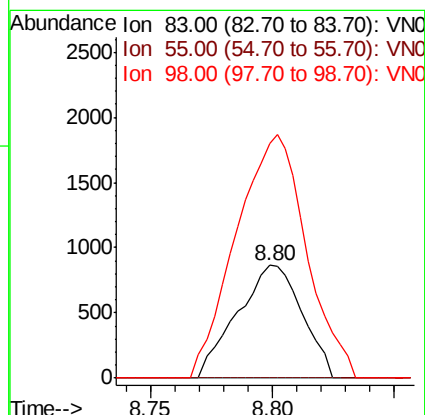
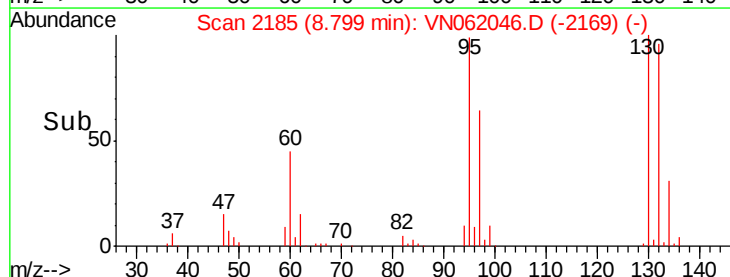
98 208.3 39.8 59.6#

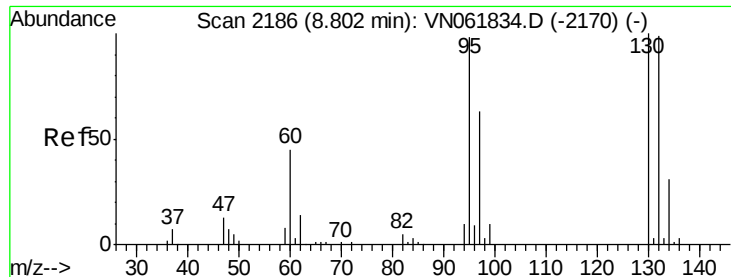


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#44

Trichloroethene

Concen: 76.263 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN062046.D

Acq: 23 Jun 2020 17:00

Instrument :

MSVOA_N

ClientSampleId :

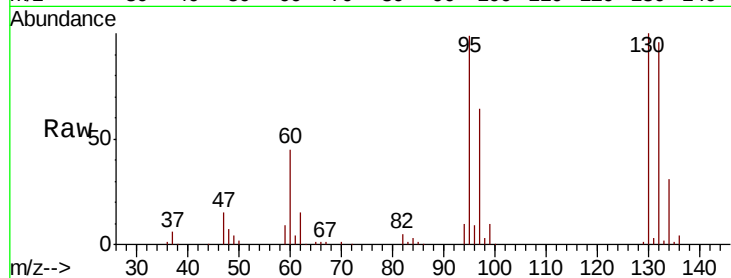
RE122D1-20200615DL

Tot Ion:130 Resp: 141394

Ion Ratio Lower Upper

130 100

95 99.3 0.0 195.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

8.80

60000

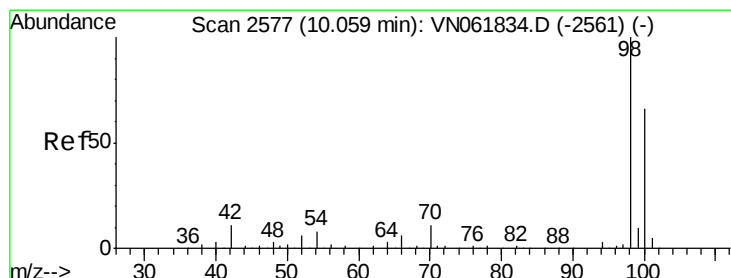
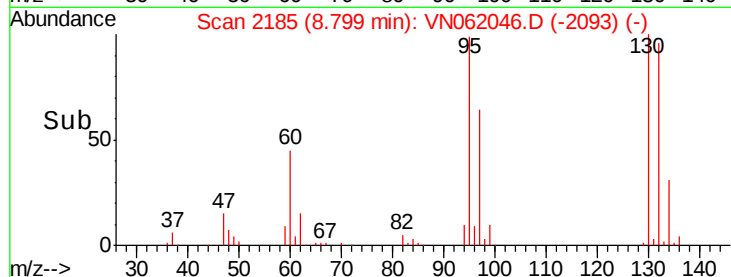
40000

20000

0

Time-->

8.70 8.80 8.90



#50

Toluene-d8

Concen: 50.517 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062046.D

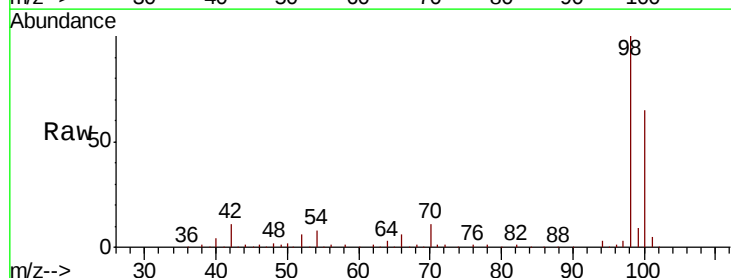
Acq: 23 Jun 2020 17:00

Tgt Ion: 98 Resp: 323955

Ion Ratio Lower Upper

98 100

100 65.1 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

10.06

200000

150000

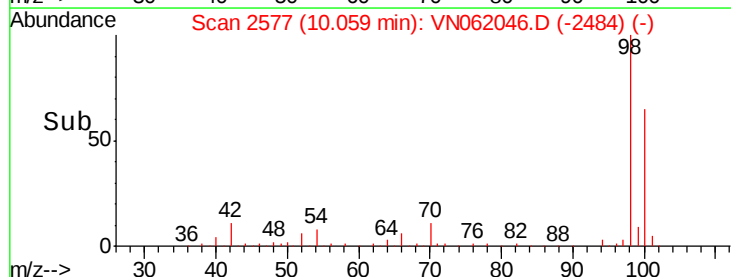
100000

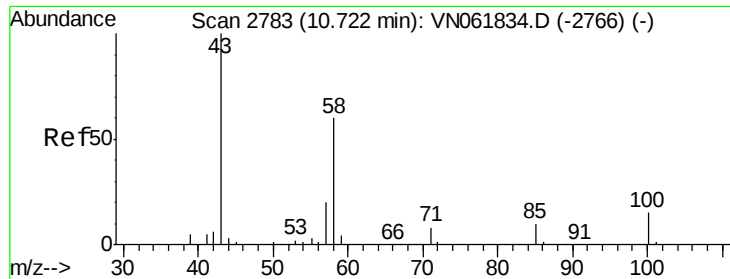
50000

0

Time-->

10.00 10.10 10.20





#59

2-Hexanone

Concen: 13.682 ug/l

RT: 10.72 min Scan# 2783

Delta R.T. 0.00 min

Lab File: VN062046.D

Acq: 23 Jun 2020 17:00

Instrument :

MSVOA_N

ClientSampleId :

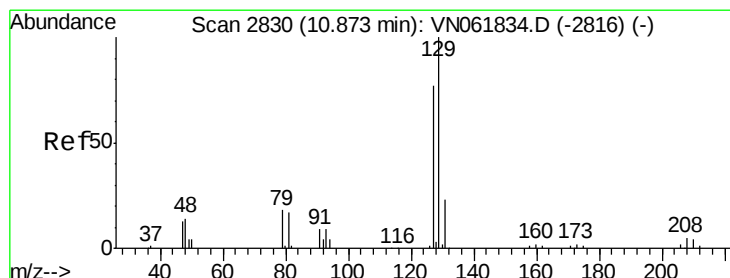
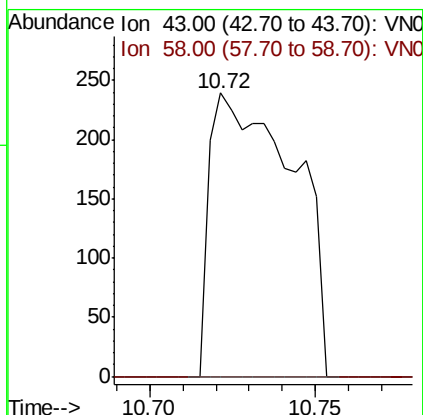
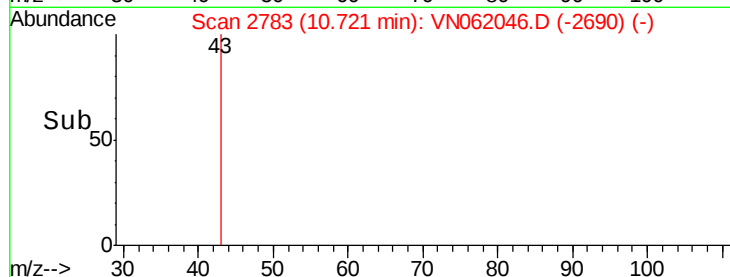
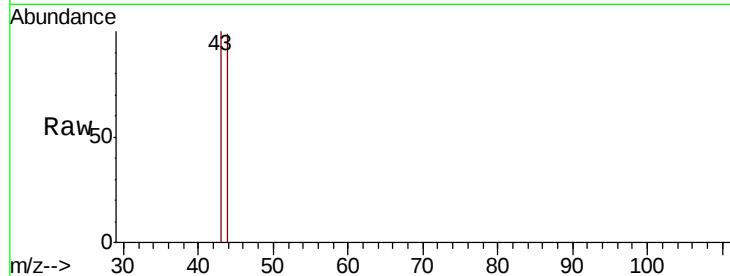
RE122D1-20200615DL

Tot Ion: 43 Resp: 420

Ion Ratio Lower Upper

43 100

58 0.0 30.1 90.5#



#60

Dibromochloromethane

Concen: 0.276 ug/l

RT: 10.61 min Scan# 2747

Delta R.T. -0.27 min

Lab File: VN062046.D

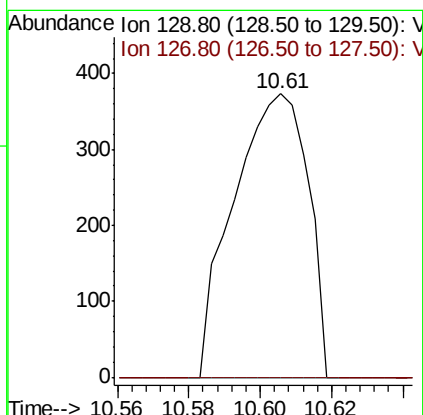
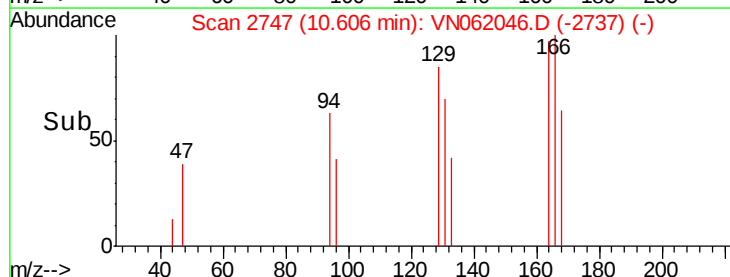
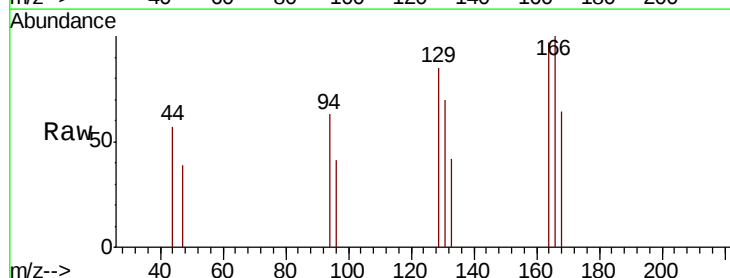
Acq: 23 Jun 2020 17:00

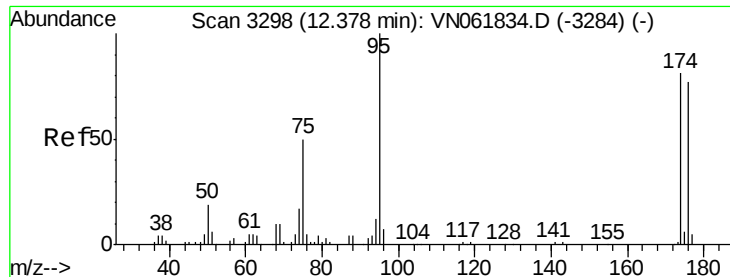
Tgt Ion: 129 Resp: 537

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.5#





#62

4-Bromofluorobenzene

Concen: 50.508 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062046.D

Acq: 23 Jun 2020 17:00

Instrument :

MSVOA_N

ClientSampleId :

RE122D1-20200615DL

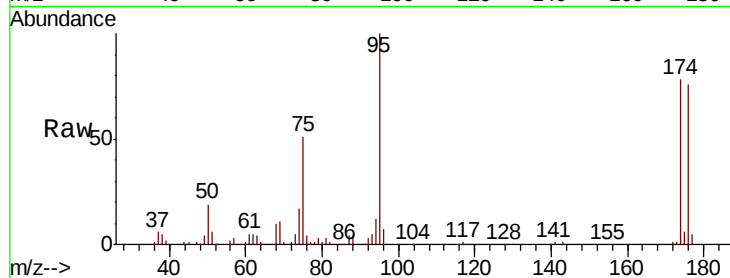
Tot Ion: 95 Resp: 111103

Ion Ratio Lower Upper

95 100

174 77.6 0.0 158.6

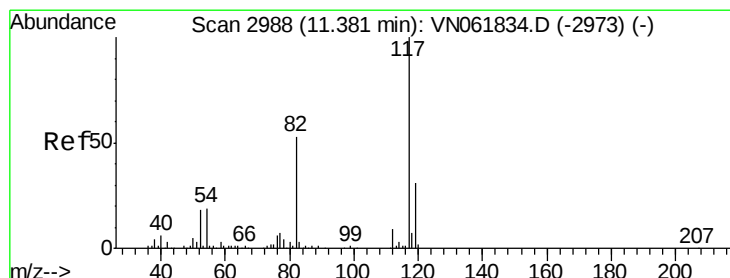
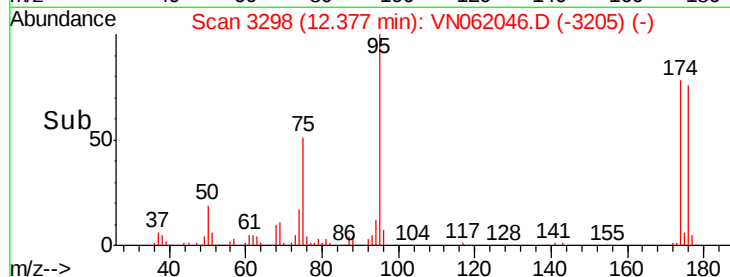
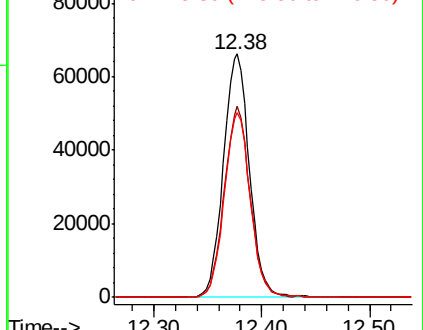
176 76.0 0.0 152.0



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) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062046.D

Acq: 23 Jun 2020 17:00

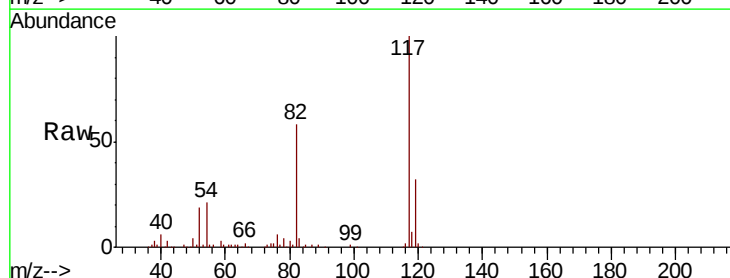
Tgt Ion: 117 Resp: 248067

Ion Ratio Lower Upper

117 100

82 57.6 42.6 64.0

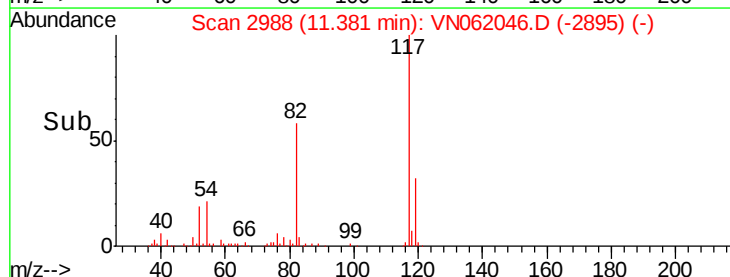
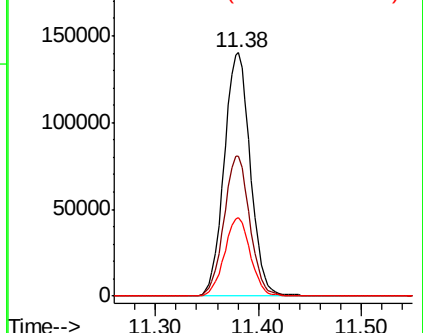
119 32.3 24.7 37.1

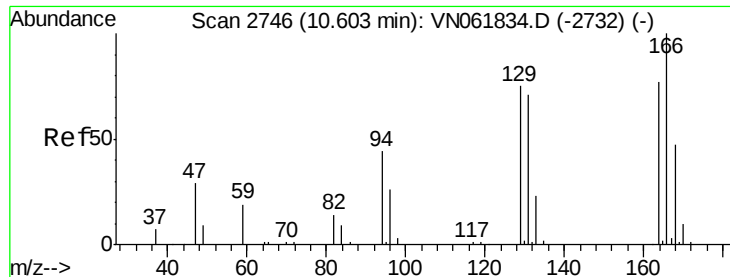


Abundance Ion 116.90 (116.60 to 117.60): VN061834.D (-2973) (-)

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

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





#64

Tetrachloroethene

Concen: 0.416 ug/l

RT: 10.60 min Scan# 2745

Delta R.T. -0.00 min

Lab File: VN062046.D

Acq: 23 Jun 2020 17:00

Instrument :

MSVOA_N

ClientSampleId :

RE122D1-20200615DL

Tot Ion:164 Resp: 658

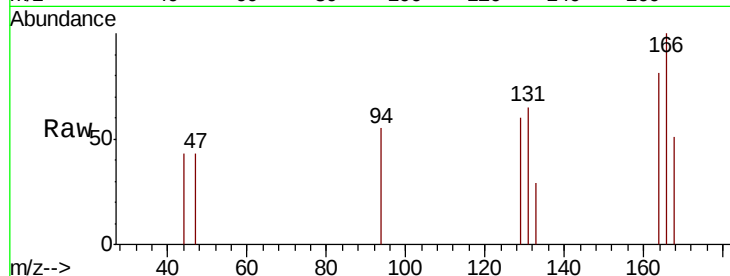
Ion Ratio Lower Upper

164 100

166 123.3 103.5 155.3

129 74.0 77.5 116.3#

131 80.0 73.8 110.8

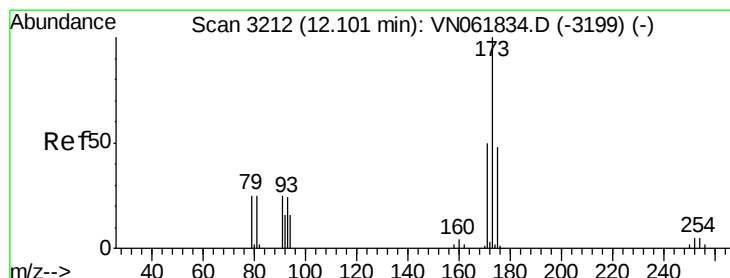
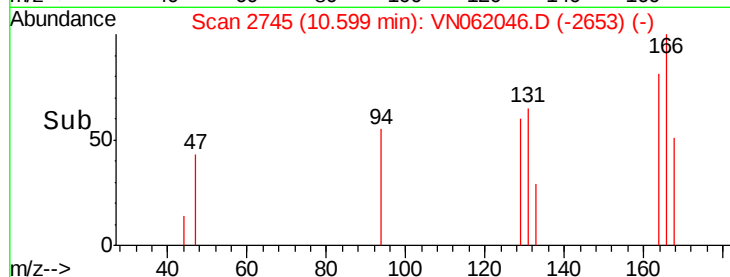
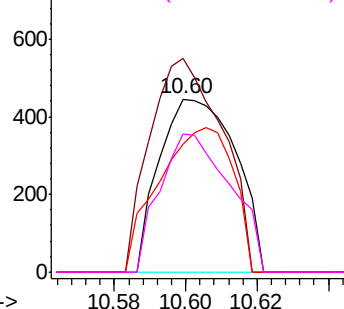


Abundance Ion 163.80 (163.50 to 164.50): V

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



#71

Bromoform

Concen: 0.738 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN062046.D

Acq: 23 Jun 2020 17:00

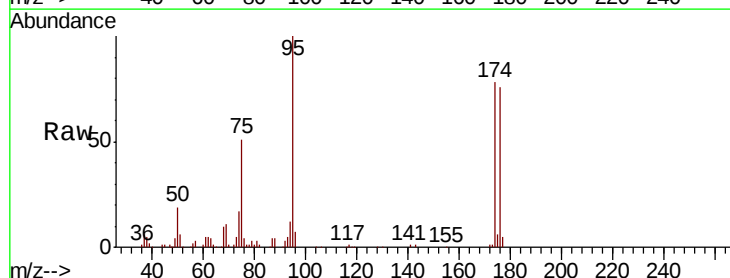
Tgt Ion:173 Resp: 982

Ion Ratio Lower Upper

173 100

175 585.4 23.9 71.7#

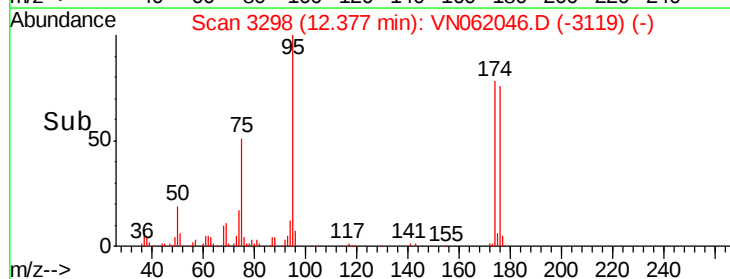
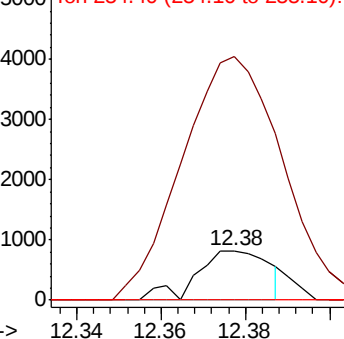
254 0.0 0.0 0.0

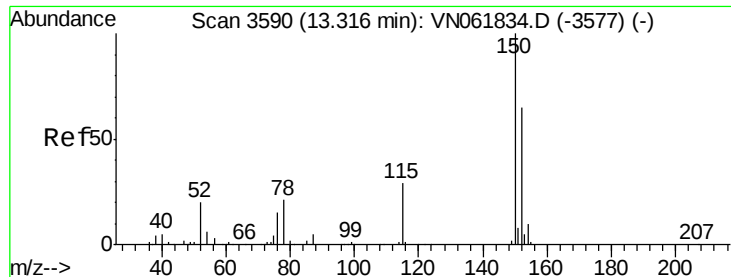


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN062046.D

Acq: 23 Jun 2020 17:00

Instrument :

MSVOA_N

ClientSampleId :

RE122D1-20200615DL

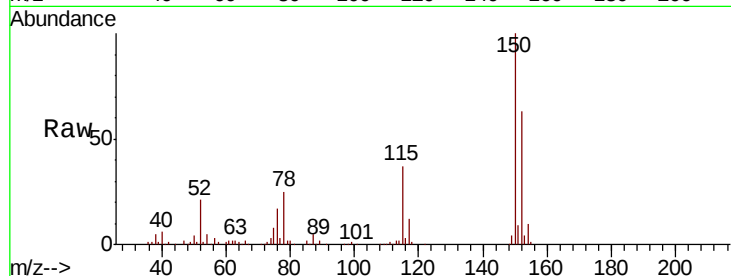
Tot Ion:152 Resp: 103596

Ion Ratio Lower Upper

152 100

115 58.4 29.1 87.3

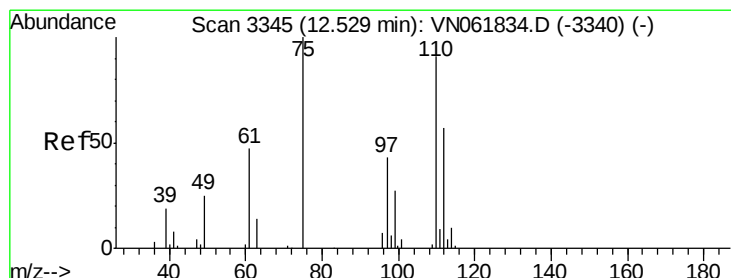
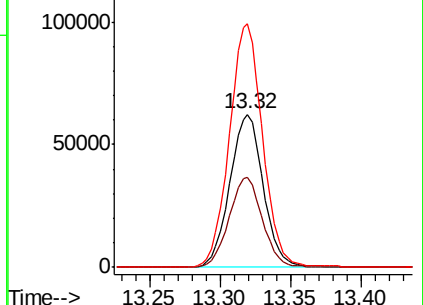
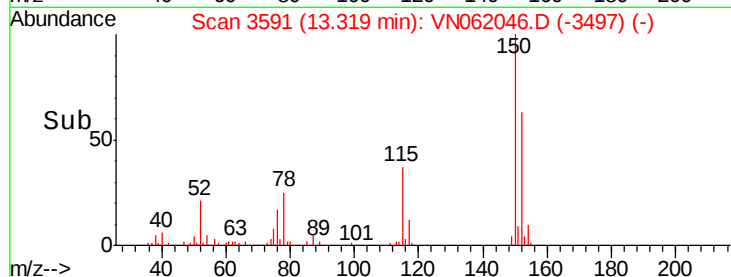
150 157.4 0.0 347.6



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: 27.954 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062046.D

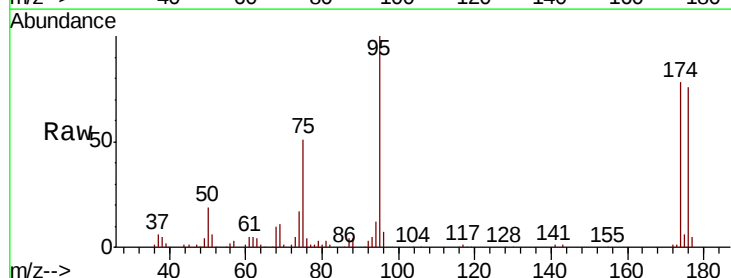
Acq: 23 Jun 2020 17:00

Tgt Ion: 75 Resp: 56855

Ion Ratio Lower Upper

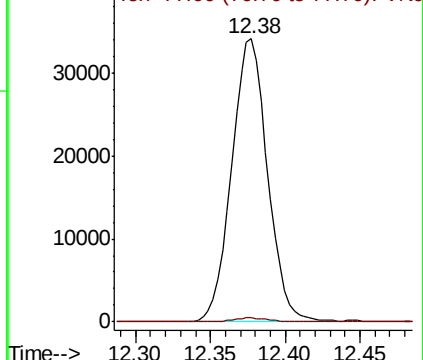
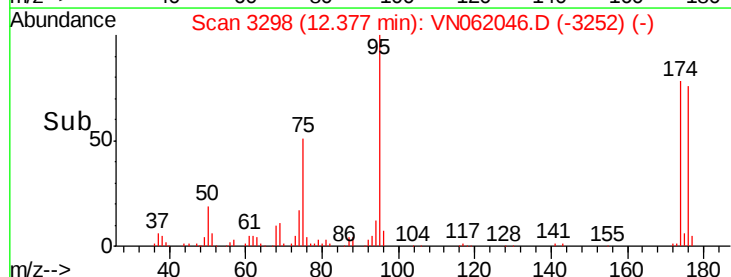
75 100

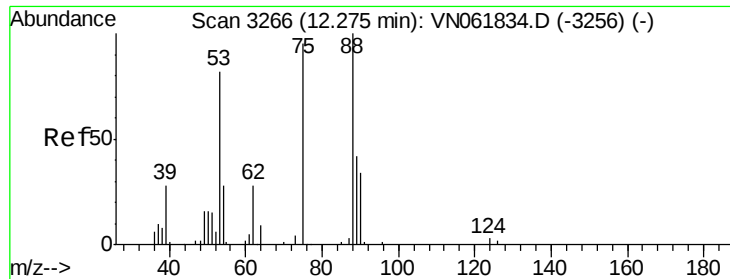
77 1.2 0.0 0.0#



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: 76.243 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062046.D

Acq: 23 Jun 2020 17:00

Instrument :

MSVOA_N

ClientSampleId :

RE122D1-20200615DL

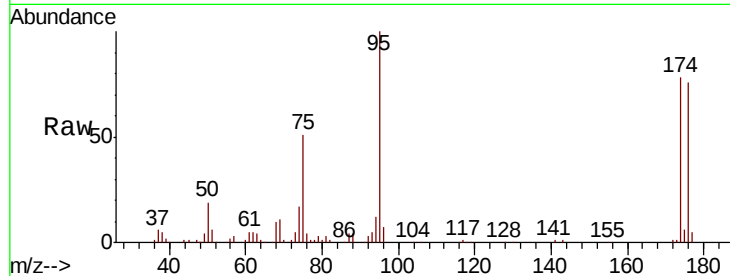
Tot Ion: 75 Resp: 56855

Ion Ratio Lower Upper

75 100

53 0.0 70.4 105.6#

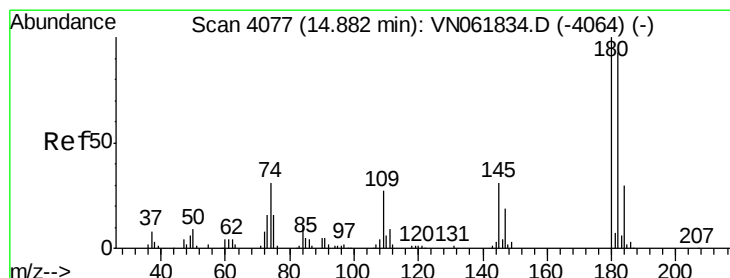
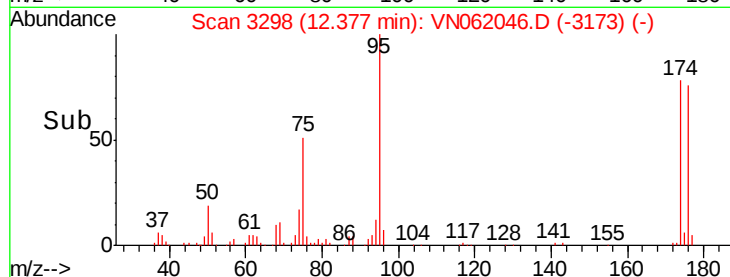
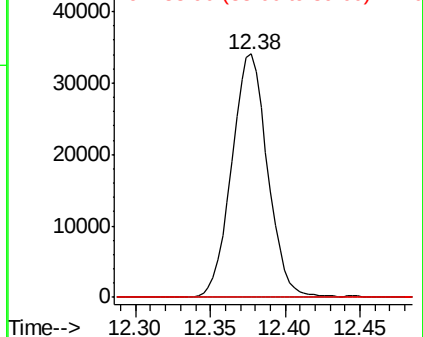
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN061834.D (-3256) (-)

Ion 53.00 (52.70 to 53.70): VN061834.D (-3256) (-)

Ion 88.90 (88.60 to 89.60): VN061834.D (-3256) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.378 ug/l

RT: 14.89 min Scan# 4078

Delta R.T. 0.00 min

Lab File: VN062046.D

Acq: 23 Jun 2020 17:00

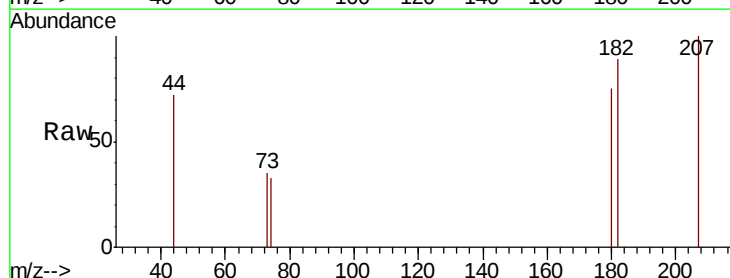
Tgt Ion: 180 Resp: 582

Ion Ratio Lower Upper

180 100

182 107.4 47.0 141.2

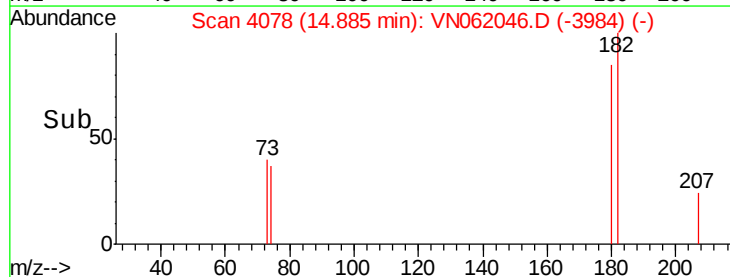
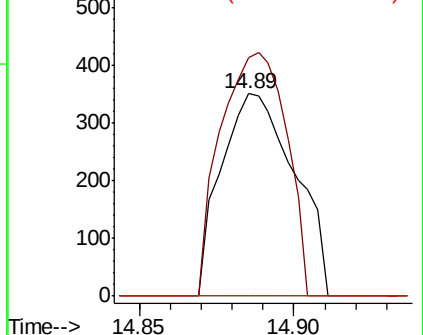
145 0.0 15.8 47.3#

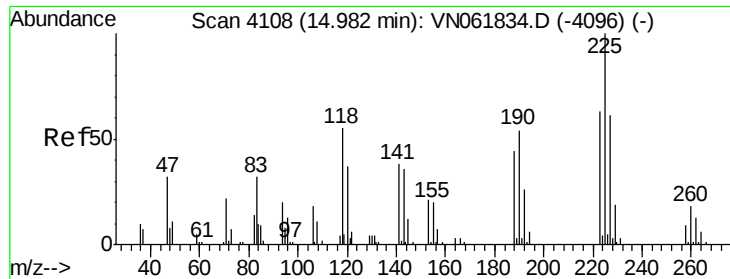


Abundance Ion 179.80 (179.50 to 180.50): VN061834.D (-4064) (-)

Ion 181.80 (181.50 to 182.50): VN061834.D (-4064) (-)

Ion 144.80 (144.50 to 145.50): VN061834.D (-4064) (-)





#94

Hexachlorobutadiene

Concen: 0.274 ug/l

RT: 14.98 min Scan# 4108

Delta R.T. -0.00 min

Lab File: VN062046.D

Acq: 23 Jun 2020 17:00

Instrument :

MSVOA_N

ClientSampleId :

RE122D1-20200615DL

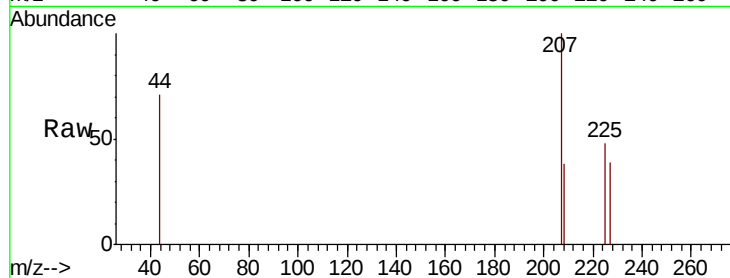
Tot Ion:225 Resp: 166

Ion Ratio Lower Upper

225 100

223 0.0 31.7 95.1#

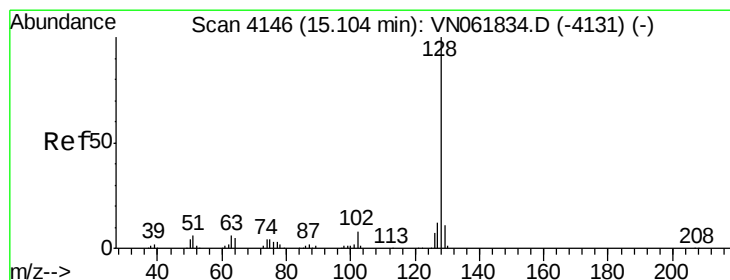
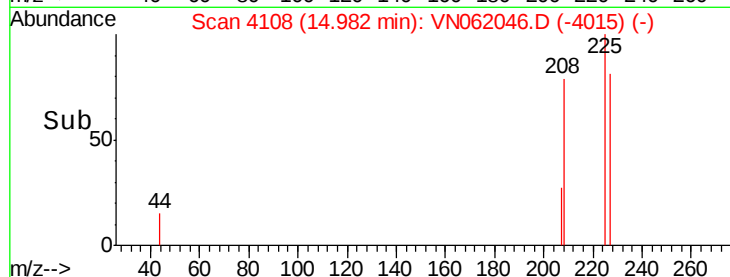
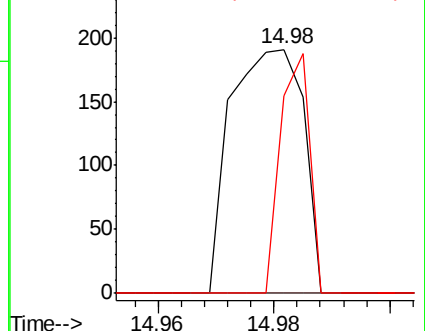
227 39.8 30.1 90.3



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 3.990 ug/l

RT: 15.11 min Scan# 4148

Delta R.T. 0.01 min

Lab File: VN062046.D

Acq: 23 Jun 2020 17:00

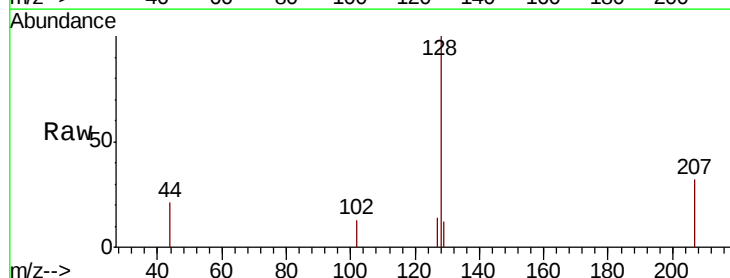
Tgt Ion:128 Resp: 2810

Ion Ratio Lower Upper

128 100

127 8.1 10.3 15.5#

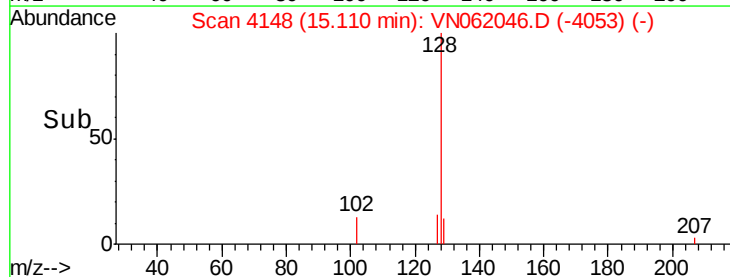
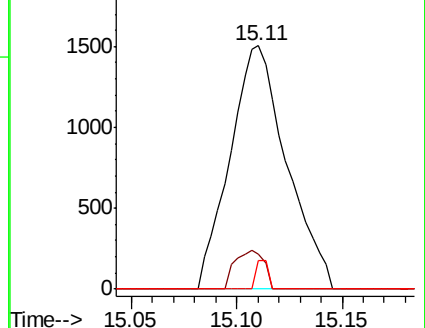
129 2.4 8.6 13.0#

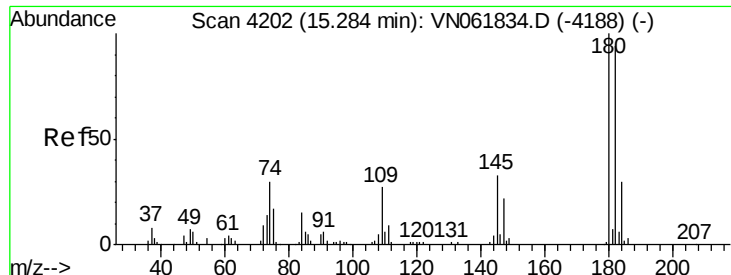


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

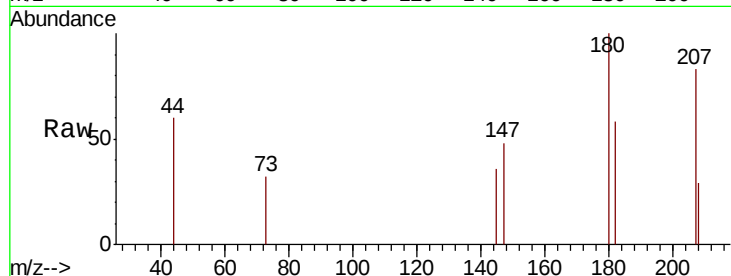




#96
 1,2,3-Trichlorobenzene
 Concen: 0.551 ug/l
 RT: 15.29 min Scan# 4204
 Delta R.T. 0.01 min
 Lab File: VN062046.D
 Acq: 23 Jun 2020 17:00

Instrument :
 MSVOA_N
 ClientSampleId :
 RE122D1-20200615DL

Tot Ion:180 Resp: 840
 Ion Ratio Lower Upper
 180 100
 182 74.0 47.9 143.6
 145 32.0 16.5 49.5



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

