

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061720\
 Data File : VN061852.D
 Acq On : 17 Jun 2020 16:39
 Operator : JC/MD
 Sample : L2989-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EB-20200609

Quant Time: Jun 18 03:55:17 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	148607	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	266359	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	251341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	95474	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	94516	47.42	ug/l	0.00
Spiked Amount			Recovery	=	94.84%	
35) Dibromofluoromethane	7.55	113	83301	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	
50) Toluene-d8	10.06	98	328882	49.09	ug/l	0.00
Spiked Amount			Recovery	=	98.18%	
62) 4-Bromofluorobenzene	12.38	95	107108	46.61	ug/l	0.00
Spiked Amount			Recovery	=	93.22%	

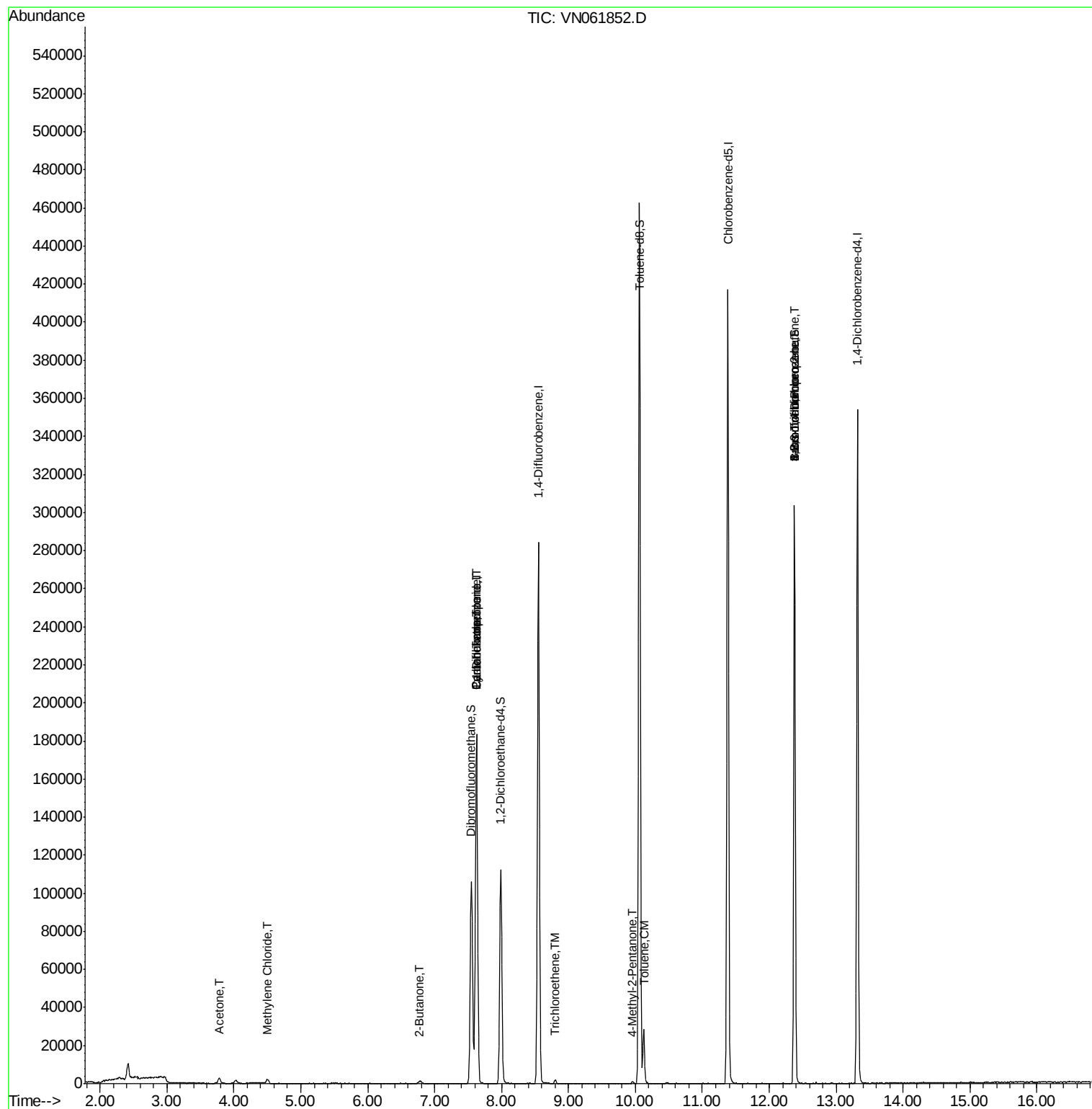
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	5068	8.609	ug/l	93
20) Methylene Chloride	4.50	84	1761	0.918	ug/l #	73
25) 2-Butanone	6.78	43	370	0.431	ug/l #	44
31) Cyclohexane	7.63	56	2907	1.107	ug/l #	23
36) 1,1-Dichloropropene	7.62	75	11442	4.710	ug/l #	45
38) Carbon Tetrachloride	7.63	117	14483	6.020	ug/l #	17
44) Trichloroethene	8.81	130	843	0.435	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	930	0.492	ug/l #	76
52) Toluene	10.13	92	12652	2.737	ug/l	99
71) Bromoform	12.38	173	1032	0.765	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	52432	27.973	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	52432	76.294	ug/l #	14

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

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Quant Time: Jun 18 03:55:17 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
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: VN061852.D

Acq: 17 Jun 2020 16:39

Instrument :

MSVOA_N

ClientSampleId :

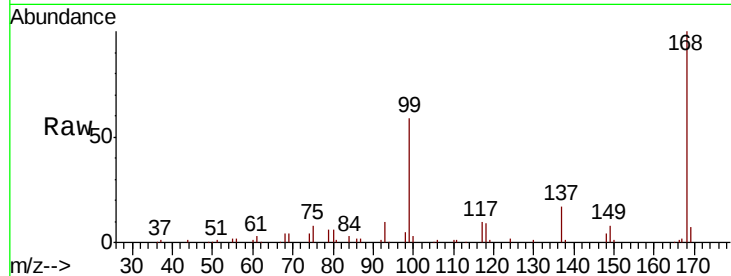
EB-20200609

Tot Ion:168 Resp: 148607

Ion Ratio Lower Upper

168 100

99 59.4 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): VN061834.D (-1801) (-)

Ion 98.90 (98.60 to 99.60): VN061834.D (-1801) (-)

7.63

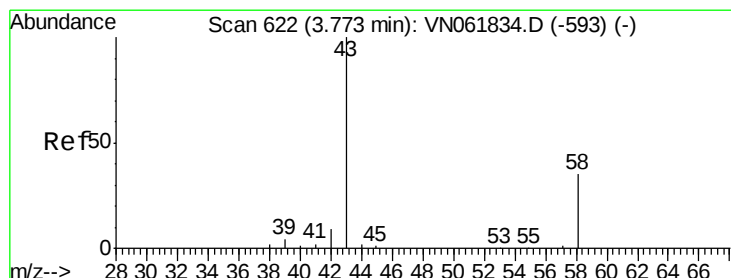
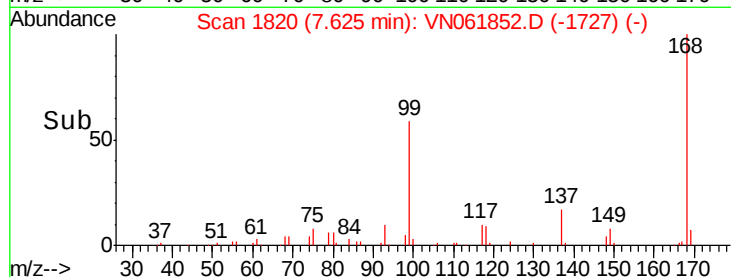
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 8.609 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN061852.D

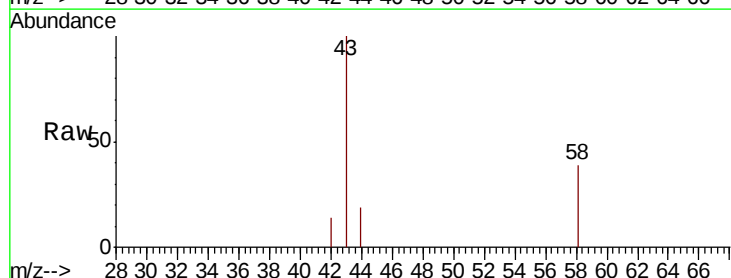
Acq: 17 Jun 2020 16:39

Tgt Ion: 43 Resp: 5068

Ion Ratio Lower Upper

43 100

58 38.9 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-593) (-)

Ion 58.00 (57.70 to 58.70): VN061834.D (-593) (-)

3.78

2000

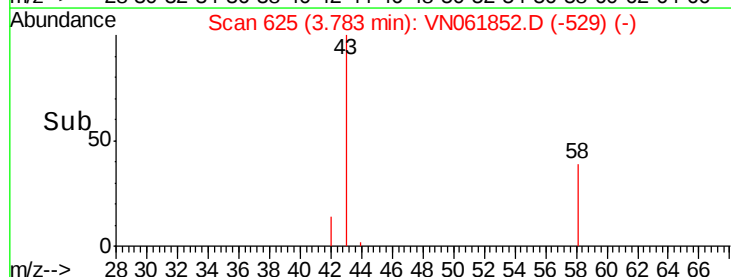
1500

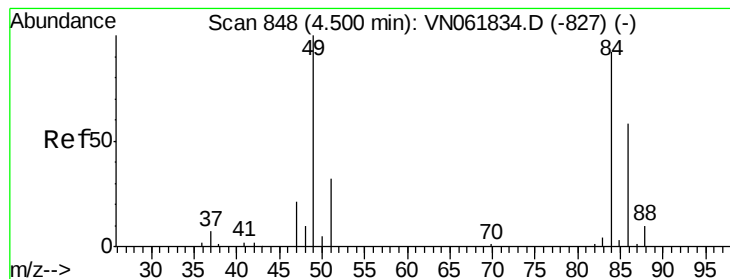
1000

500

0

Time-->





#20

Methvlene Chloride

Concen: 0.918 ug/l

RT: 4.50 min Scan# 848

Delta R.T. -0.00 min

Lab File: VN061852.D

Acq: 17 Jun 2020 16:39

Instrument :

MSVOA_N

ClientSampleId :

EB-20200609

Tot Ion: 84 Resp: 1761

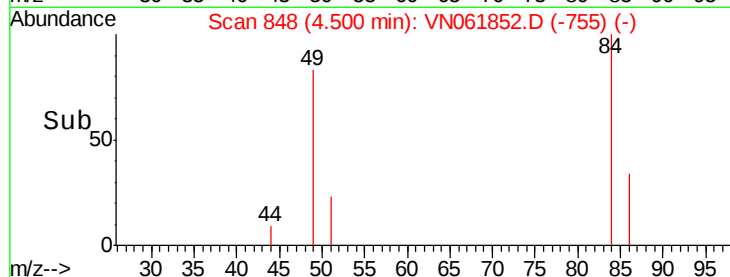
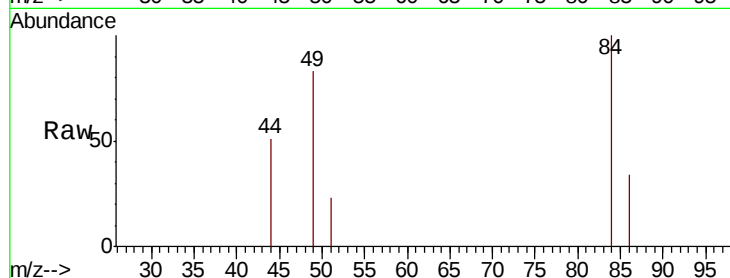
Ion Ratio Lower Upper

84 100

49 83.3 87.0 130.4#

51 23.2 27.8 41.6#

86 34.5 50.2 75.2#

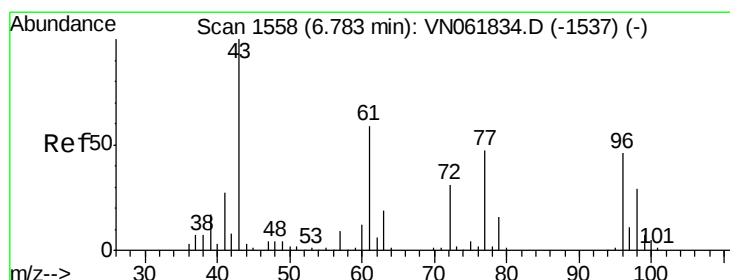
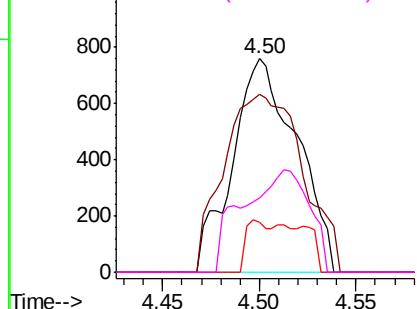


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#25

2-Butanone

Concen: 0.431 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VN061852.D

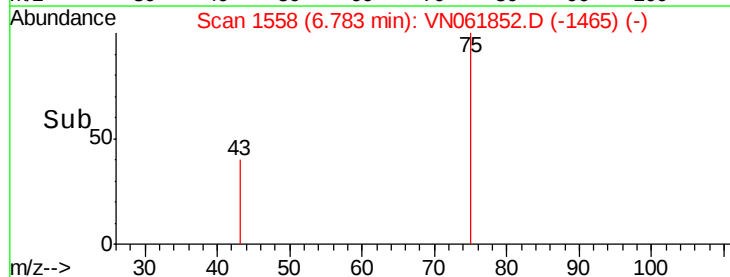
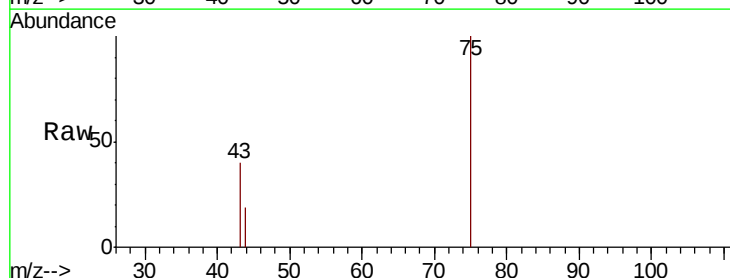
Acq: 17 Jun 2020 16:39

Tgt Ion: 43 Resp: 370

Ion Ratio Lower Upper

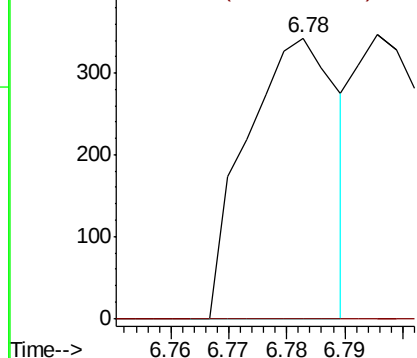
43 100

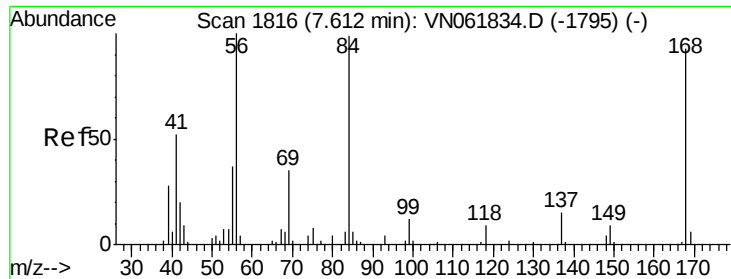
72 0.0 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

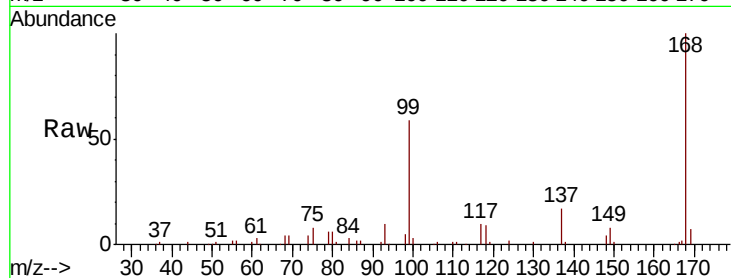




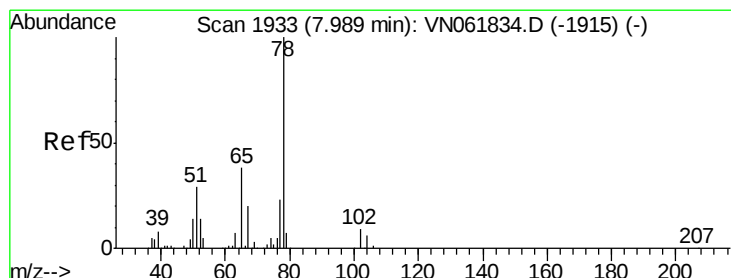
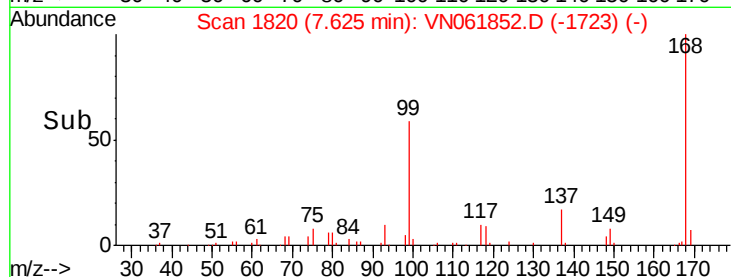
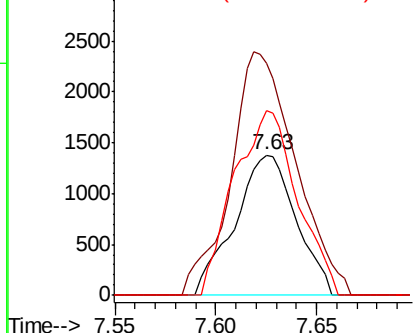
#31
Cyclohexane
Concen: 1.107 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN061852.D
Acq: 17 Jun 2020 16:39

Instrument :
MSVOA_N
ClientSampleId :
EB-20200609

Tot Ion: 56 Resp: 2907
Ion Ratio Lower Upper
56 100
69 151.3 27.7 41.5#
84 131.6 79.1 118.7#

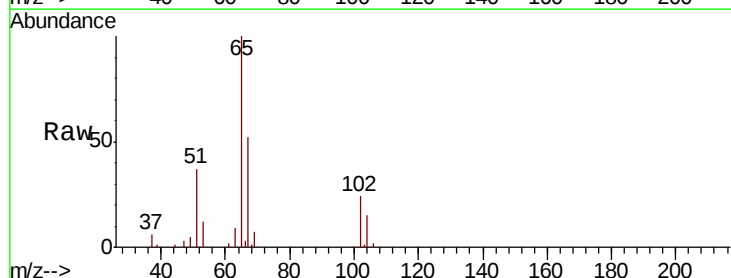


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

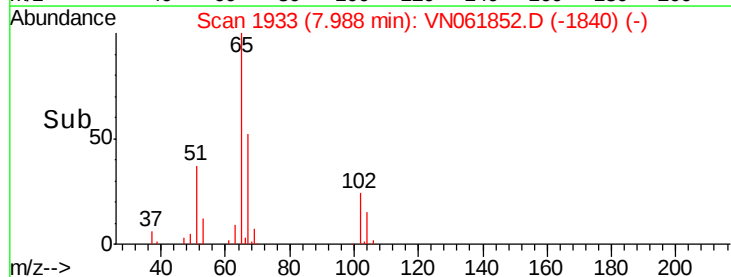
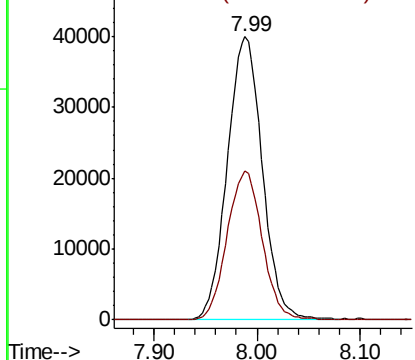


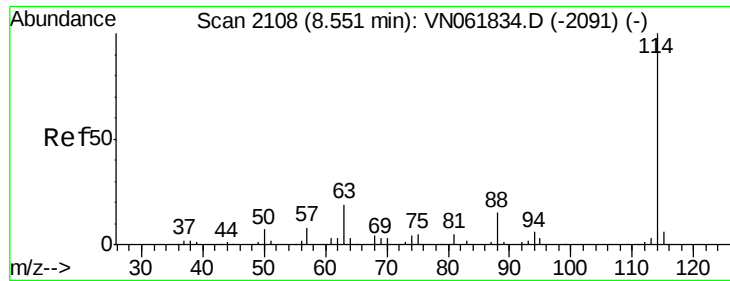
#33
1,2-Dichloroethane-d4
Concen: 47.423 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN061852.D
Acq: 17 Jun 2020 16:39

Tgt Ion: 65 Resp: 94516
Ion Ratio Lower Upper
65 100
67 52.6 0.0 106.2



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

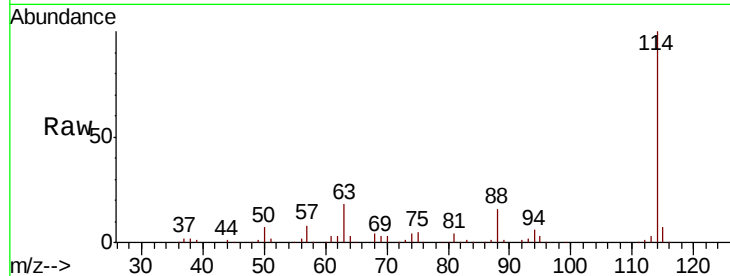




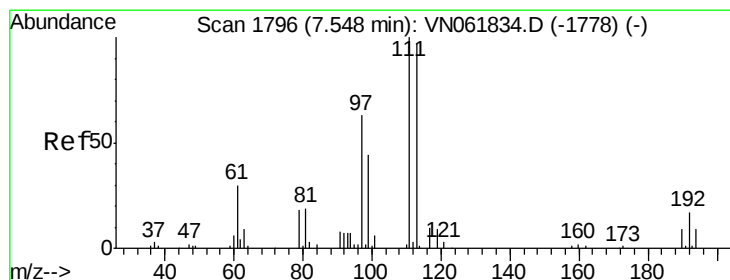
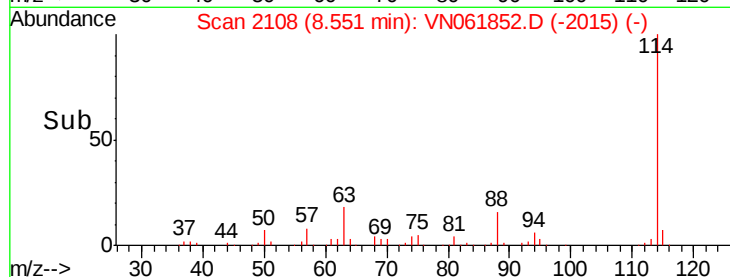
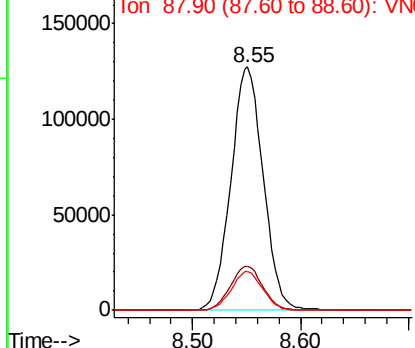
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. -0.00 min
Lab File: VN061852.D
Acq: 17 Jun 2020 16:39

Instrument :
MSVOA_N
ClientSampleId :
EB-20200609

Tot Ion:114 Resp: 266359
Ion Ratio Lower Upper
114 100
63 18.2 0.0 37.6
88 16.1 0.0 31.0

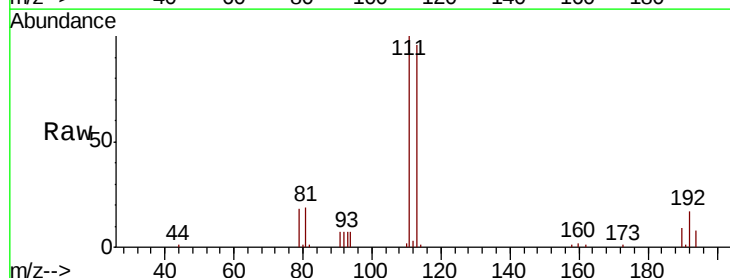


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

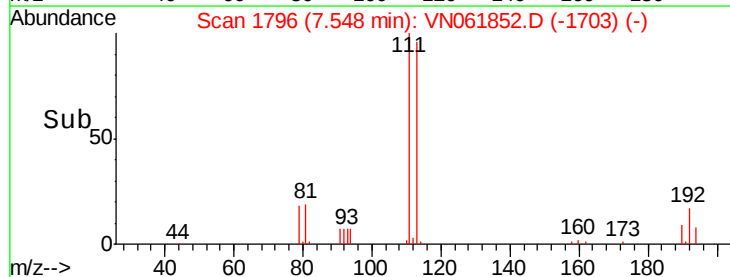
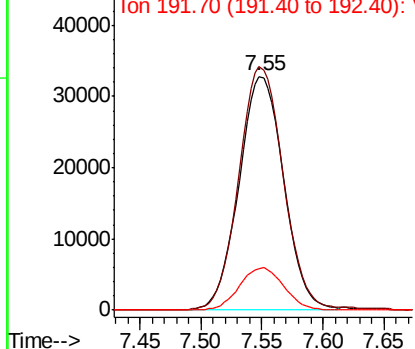


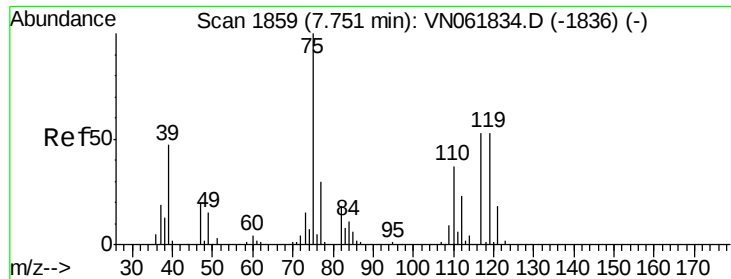
#35
Dibromofluoromethane
Concen: 48.885 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN061852.D
Acq: 17 Jun 2020 16:39

Tgt Ion:113 Resp: 83301
Ion Ratio Lower Upper
113 100
111 103.7 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: 4.710 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.13 min

Lab File: VN061852.D

Acq: 17 Jun 2020 16:39

Instrument :

MSVOA_N

ClientSampleId :

EB-20200609

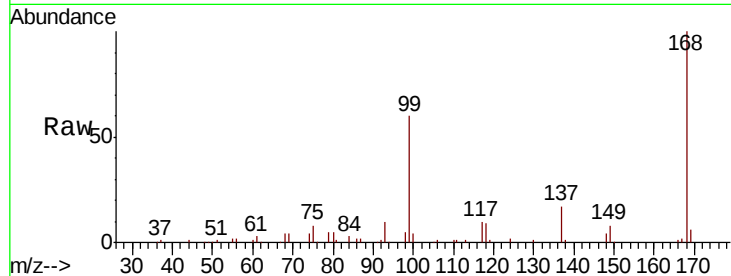
Tot Ion: 75 Resp: 11442

Ion Ratio Lower Upper

75 100

110 4.2 18.2 54.6#

77 0.0 24.2 36.4#

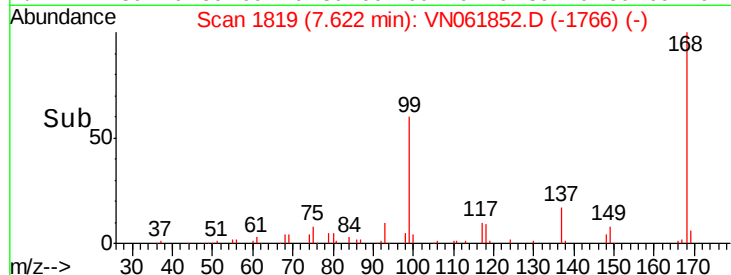


Abundance Ion 74.90 (74.60 to 75.60): VN061834.D (-1836) (-)

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

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

Time-->

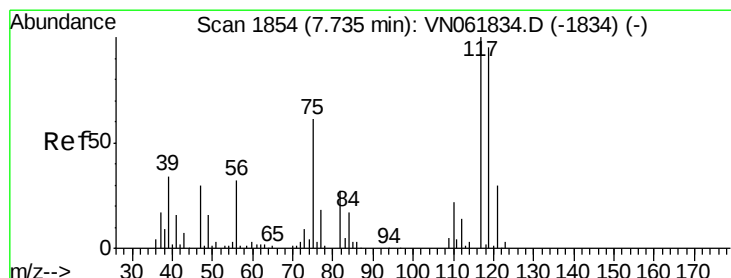


Abundance Ion 74.90 (74.60 to 75.60): VN061852.D (-1766) (-)

Ion 109.90 (109.60 to 110.60): VN061852.D (-1766) (-)

Ion 76.90 (76.60 to 77.60): VN061852.D (-1766) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.020 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN061852.D

Acq: 17 Jun 2020 16:39

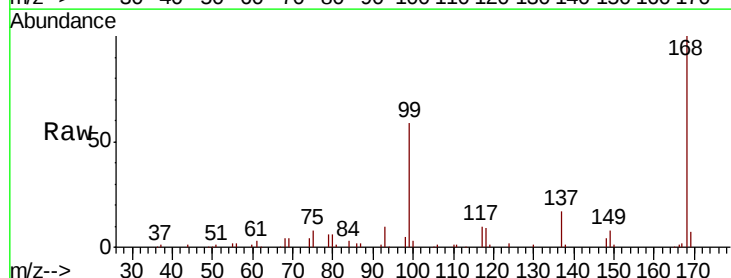
Tgt Ion: 117 Resp: 14483

Ion Ratio Lower Upper

117 100

119 5.9 75.8 113.6#

121 0.0 23.8 35.6#

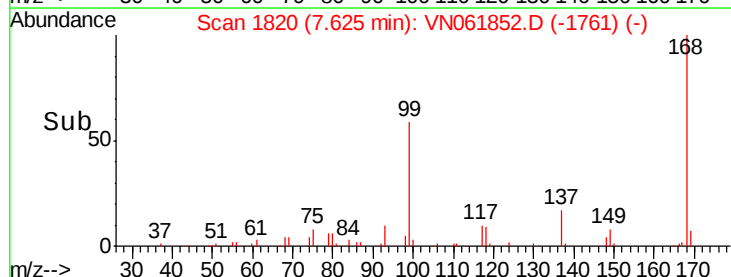


Abundance Ion 116.80 (116.50 to 117.50): VN061834.D (-1834) (-)

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

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

Time-->

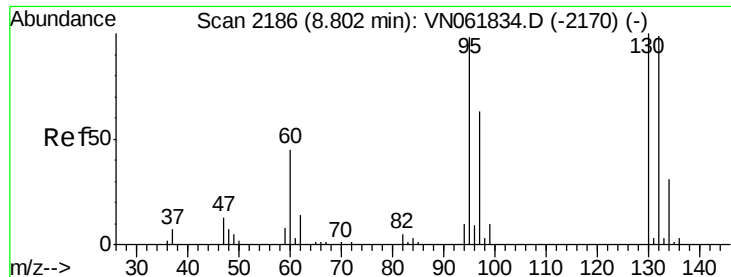


Abundance Ion 116.80 (116.50 to 117.50): VN061852.D (-1761) (-)

Ion 118.80 (118.50 to 119.50): VN061852.D (-1761) (-)

Ion 120.80 (120.50 to 121.50): VN061852.D (-1761) (-)

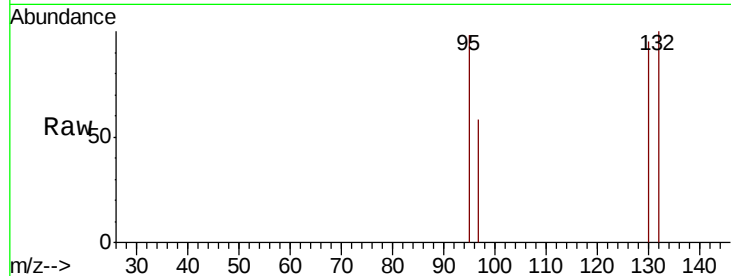
Time-->



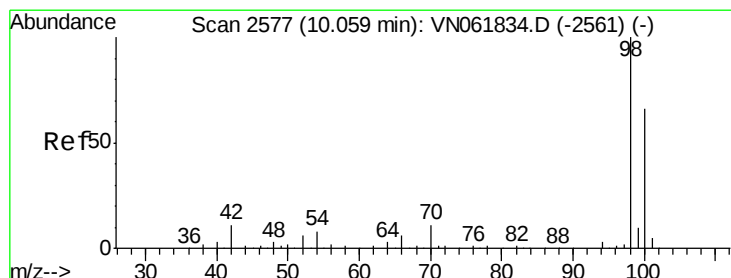
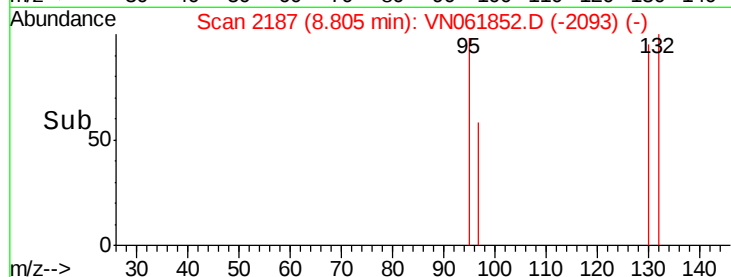
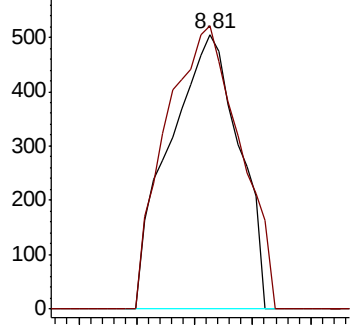
#44
 Trichloroethene
 Concen: 0.435 ug/l
 RT: 8.81 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VN061852.D
 Acq: 17 Jun 2020 16:39

Instrument :
 MSVOA_N
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 EB-20200609

Tot Ion:130 Resp: 843
 Ion Ratio Lower Upper
 130 100
 95 103.2 0.0 195.6

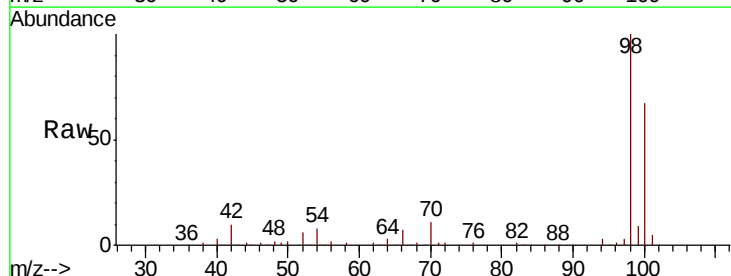


Abundance Ion 129.80 (129.50 to 130.50): VN061834.D (-2170) (-)
 Ion 94.90 (94.60 to 95.60): VN061834.D (-2170) (-)

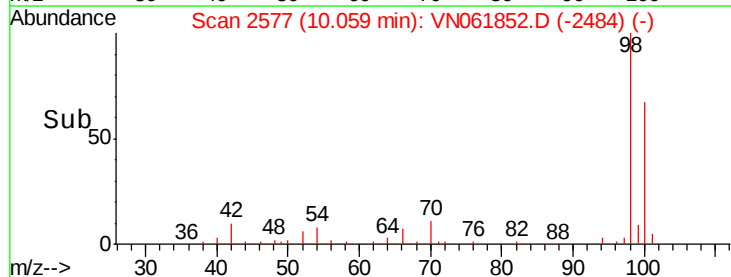
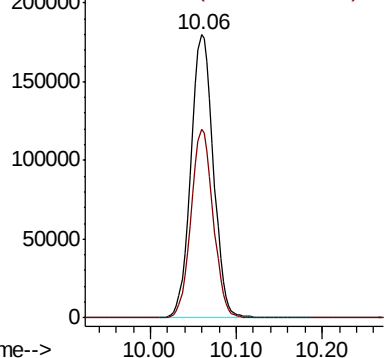


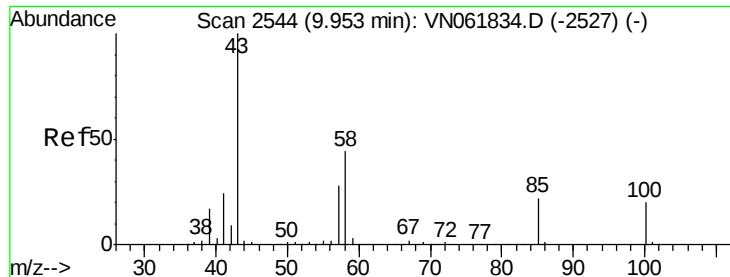
#50
 Toluene-d8
 Concen: 49.093 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. -0.00 min
 Lab File: VN061852.D
 Acq: 17 Jun 2020 16:39

Tgt Ion: 98 Resp: 328882
 Ion Ratio Lower Upper
 98 100
 100 65.3 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN061834.D (-2561) (-)
 Ion 100.00 (99.70 to 100.70): VN061834.D (-2561) (-)





#51

4-Methyl-2-Pentanone

Concen: 0.492 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN061852.D

Acq: 17 Jun 2020 16:39

Instrument :

MSVOA_N

ClientSampleId :

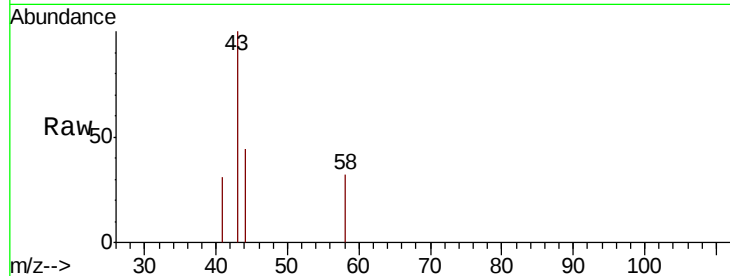
EB-20200609

Tot Ion: 43 Resp: 930

Ion Ratio Lower Upper

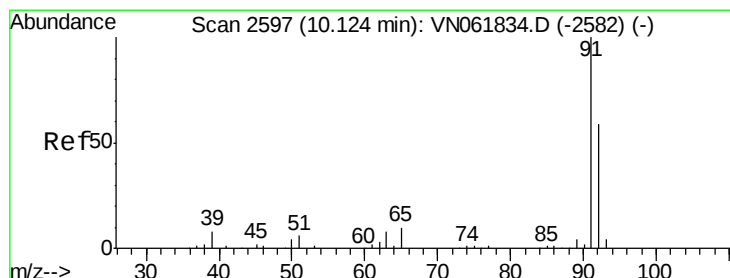
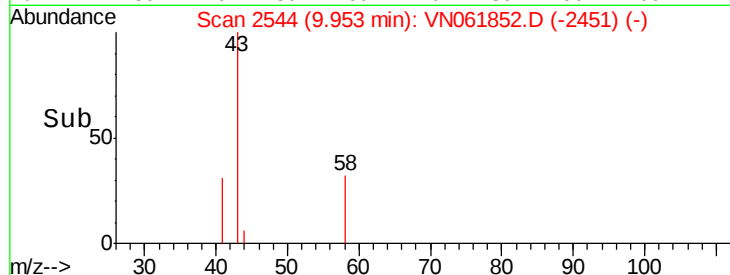
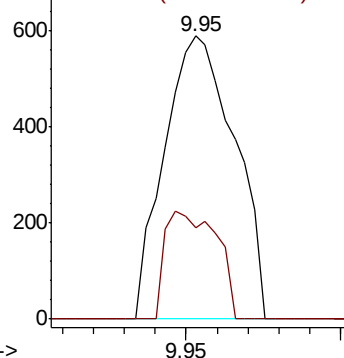
43 100

58 28.0 34.6 52.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 2.737 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN061852.D

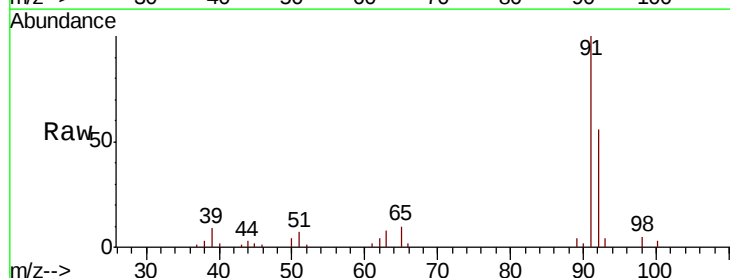
Acq: 17 Jun 2020 16:39

Tgt Ion: 92 Resp: 12652

Ion Ratio Lower Upper

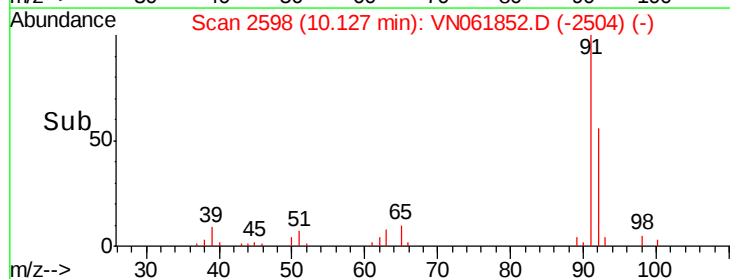
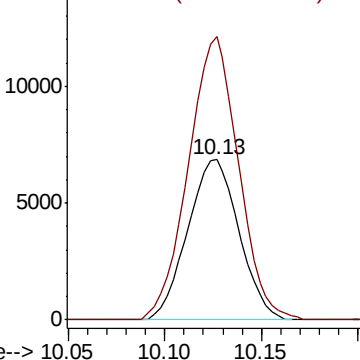
92 100

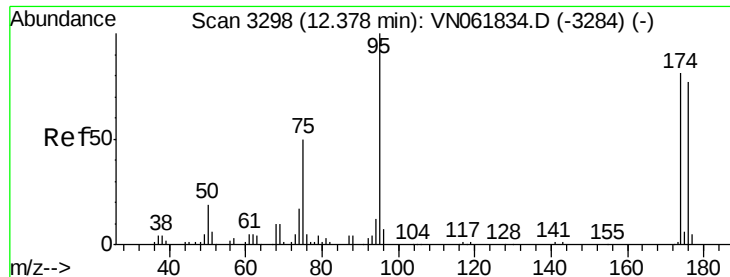
91 173.0 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#62

4-Bromofluorobenzene

Concen: 46.611 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN061852.D

Acq: 17 Jun 2020 16:39

Instrument :

MSVOA_N

ClientSampleId :

EB-20200609

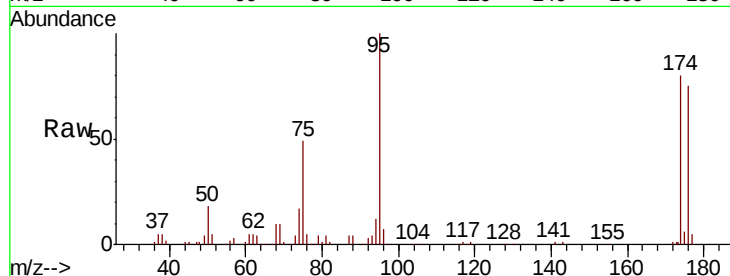
Tot Ion: 95 Resp: 107108

Ion Ratio Lower Upper

95 100

174 79.3 0.0 158.6

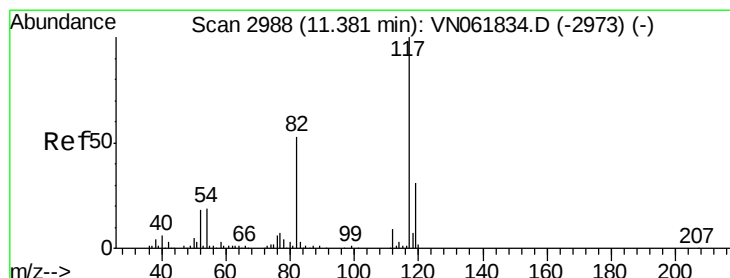
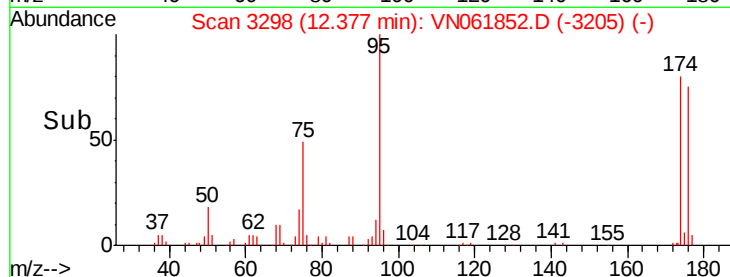
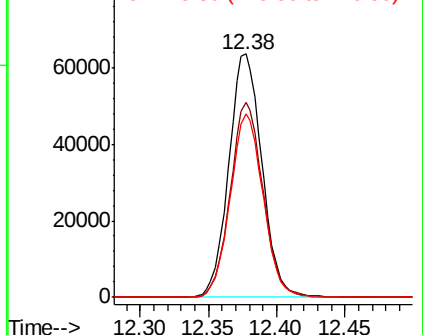
176 75.2 0.0 152.0



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: VN061852.D

Acq: 17 Jun 2020 16:39

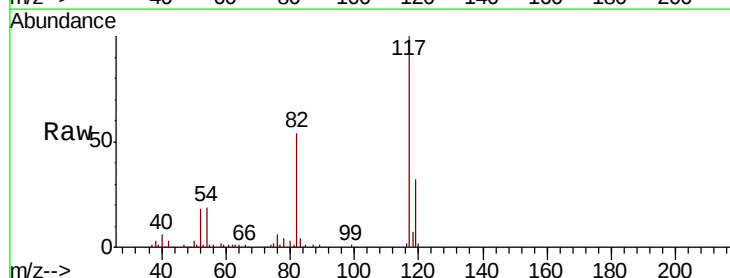
Tgt Ion: 117 Resp: 251341

Ion Ratio Lower Upper

117 100

82 54.2 42.6 64.0

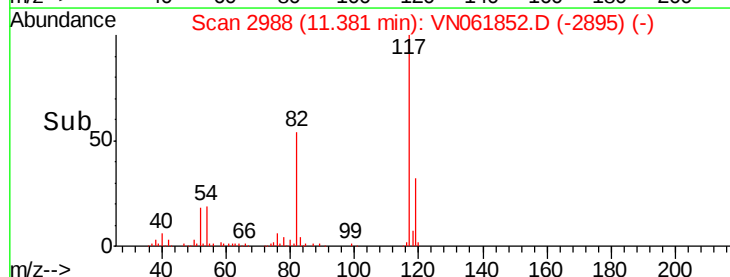
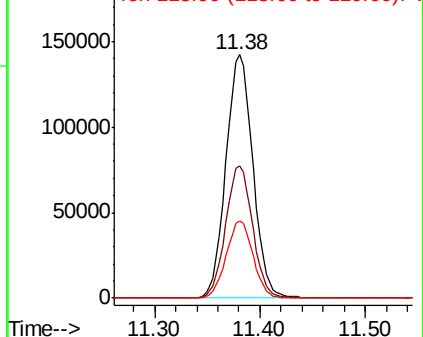
119 31.8 24.7 37.1

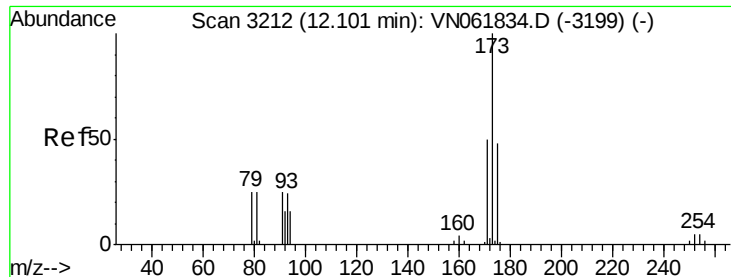


Abundance Ion 116.90 (116.60 to 117.60): VN061834.D (-2973) (-)

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

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





#71

Bromoform

Concen: 0.765 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN061852.D

Acq: 17 Jun 2020 16:39

Instrument :

MSVOA_N

ClientSampleId :

EB-20200609

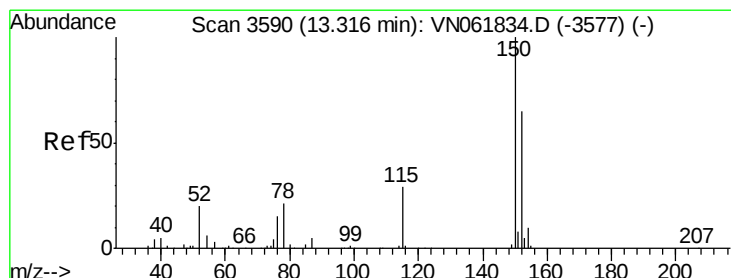
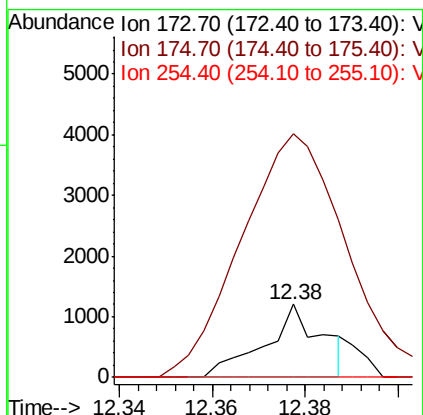
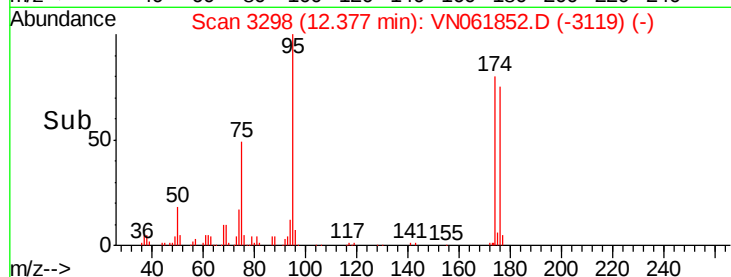
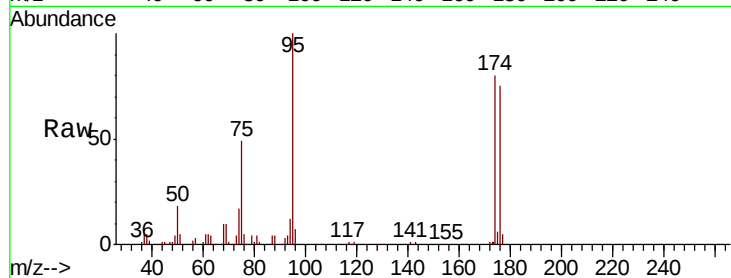
Tot Ion:173 Resp: 1032

Ion Ratio Lower Upper

173 100

175 519.6 23.9 71.7#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061852.D

Acq: 17 Jun 2020 16:39

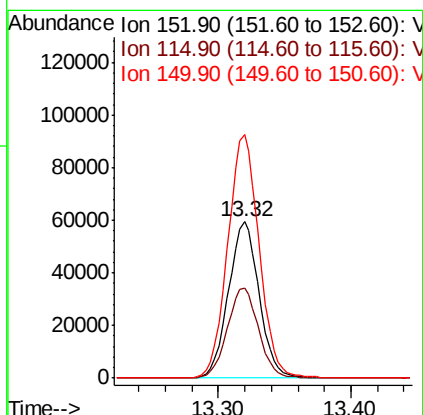
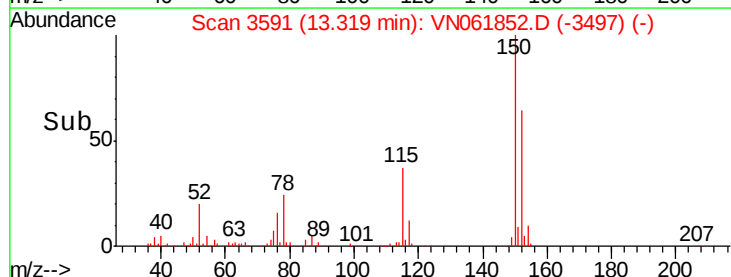
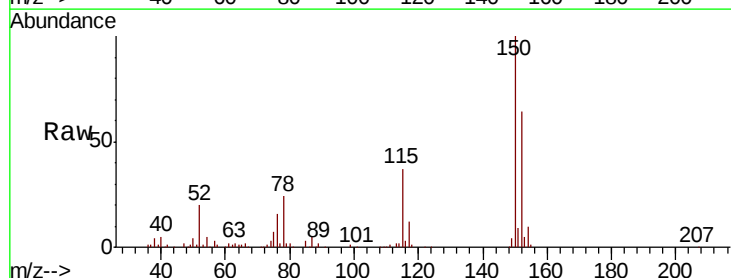
Tgt Ion:152 Resp: 95474

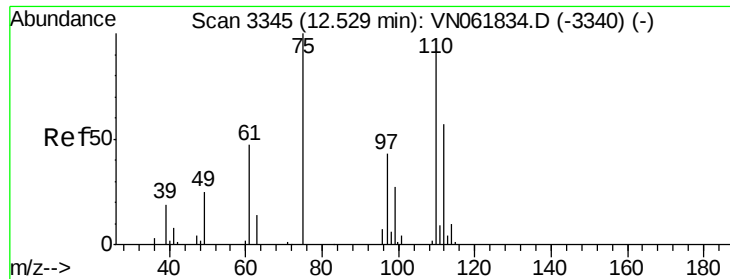
Ion Ratio Lower Upper

152 100

115 58.8 29.1 87.3

150 159.3 0.0 347.6

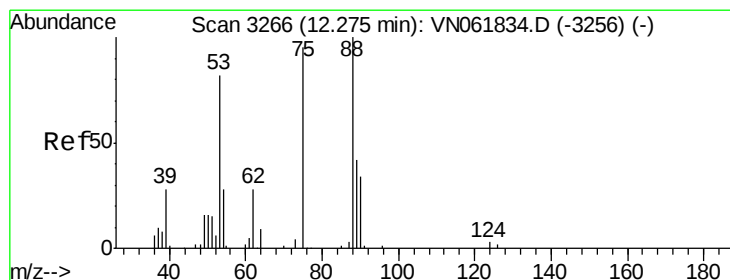
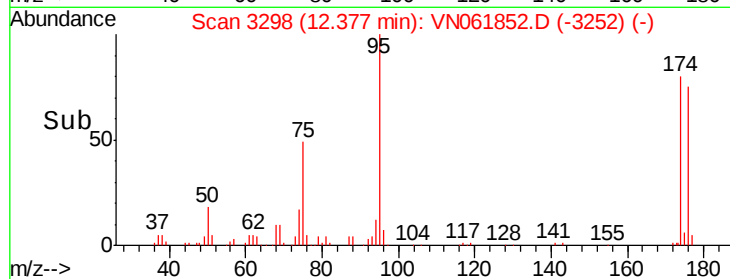
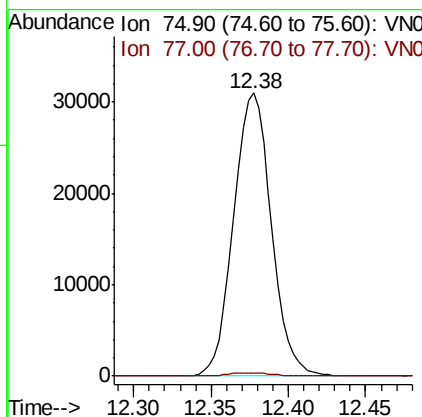
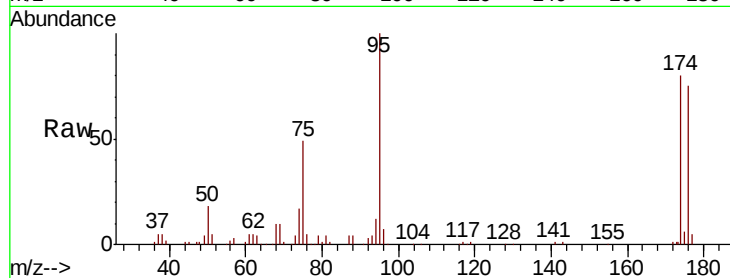




#76
 1,2,3-Trichloropropane
 Concen: 27.973 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN061852.D
 Acq: 17 Jun 2020 16:39

Instrument :
 MSVOA_N
 ClientSampled :
 EB-20200609

Tot Ion: 75 Resp: 52432
 Ion Ratio Lower Upper
 75 100
 77 0.6 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.294 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN061852.D
 Acq: 17 Jun 2020 16:39

Tgt Ion: 75 Resp: 52432
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.4 105.6#
 89 0.0 36.0 54.0#

