

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061720\
 Data File : VN061851.D
 Acq On : 17 Jun 2020 16:15
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jun 18 03:55:05 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	139355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	253051	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	244958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	93607	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	91229	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
35) Dibromofluoromethane	7.55	113	80351	49.63	ug/l	0.00
Spiked Amount			Recovery	=	99.26%	
50) Toluene-d8	10.06	98	317311	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
62) 4-Bromofluorobenzene	12.38	95	105007	48.10	ug/l	0.00
Spiked Amount			Recovery	=	96.20%	

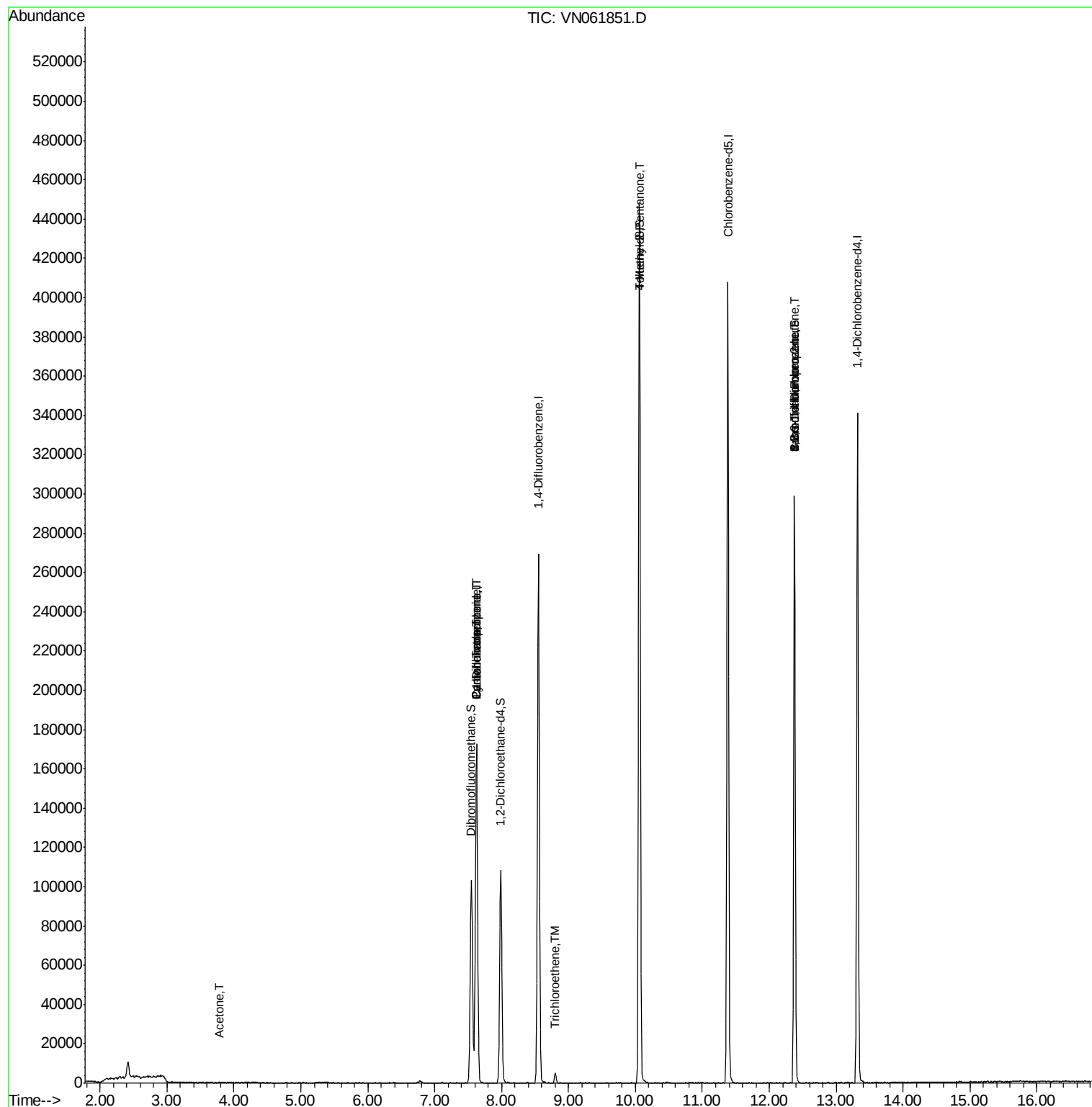
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	290	0.525	ug/l #	40
31) Cyclohexane	7.62	56	2762	1.121	ug/l #	12
36) 1,1-Dichloropropene	7.62	75	10543	4.568	ug/l #	49
38) Carbon Tetrachloride	7.63	117	13543	5.925	ug/l #	17
44) Trichloroethene	8.80	130	1965	1.068	ug/l	95
51) 4-Methyl-2-Pentanone	10.06	43	1033	0.576	ug/l #	1
71) Bromoform	12.38	173	911	0.693	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	51209	27.865	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	51209	76.000	ug/l #	14

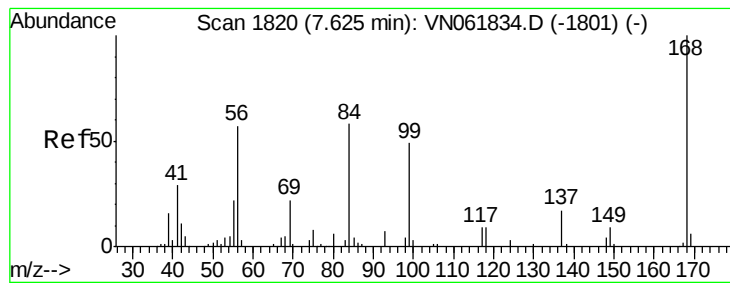
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061851.D

Acq: 17 Jun 2020 16:15

Instrument :

MSVOA_N

ClientSampleId :

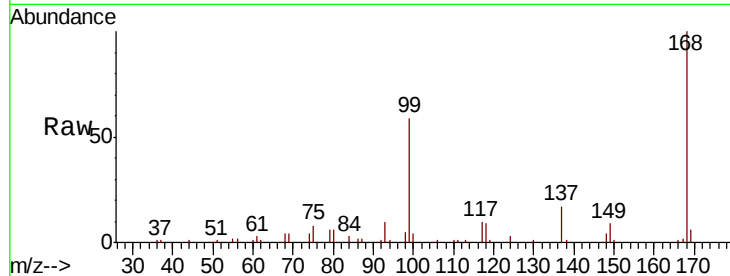
IBLK

Tot Ion:168 Resp: 139355

Ion Ratio Lower Upper

168 100

99 59.1 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

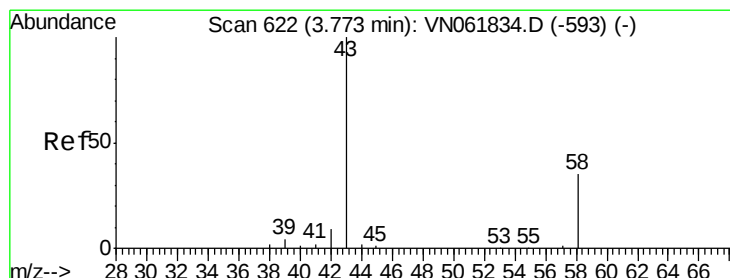
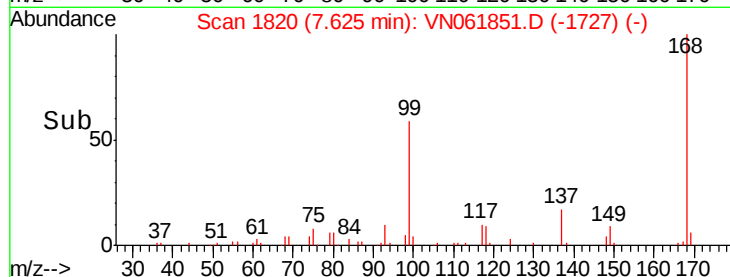
0

Time-->

7.50

7.60

7.70



#16

Acetone

Concen: 0.525 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN061851.D

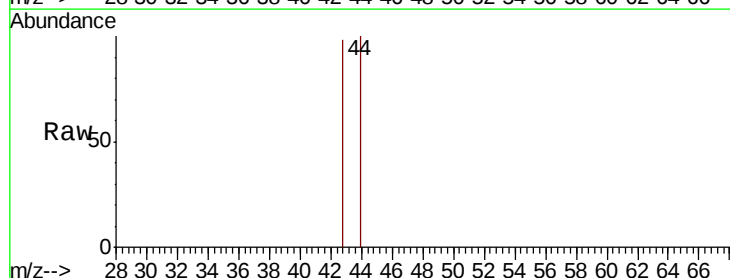
Acq: 17 Jun 2020 16:15

Tgt Ion: 43 Resp: 290

Ion Ratio Lower Upper

43 100

58 0.0 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

300

250

200

150

100

50

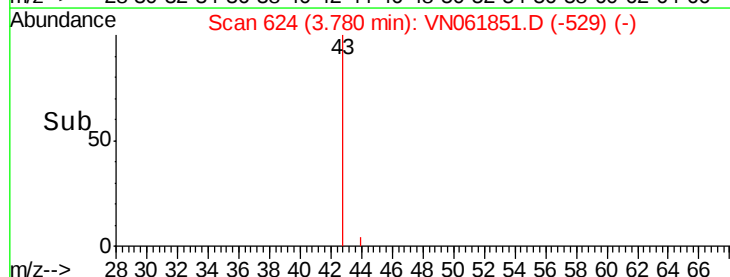
0

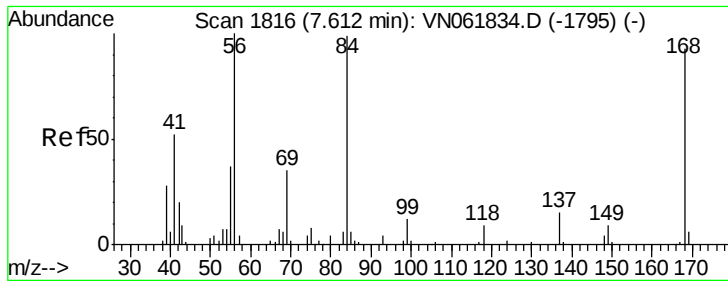
Time-->

3.76

3.78

3.80

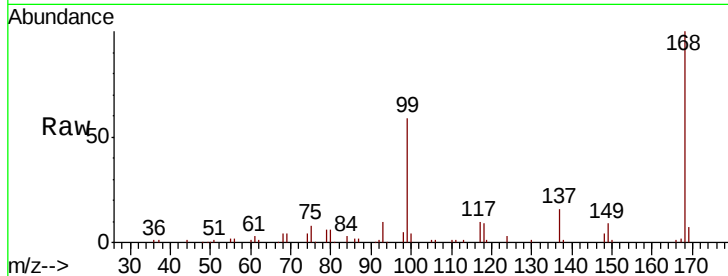




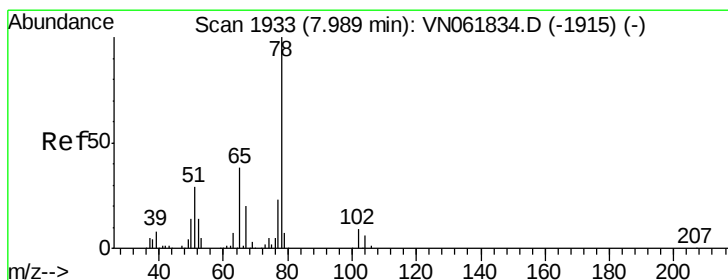
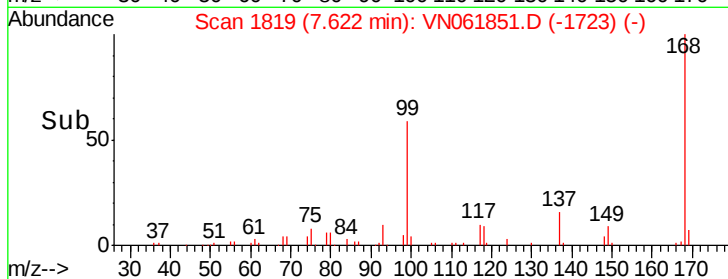
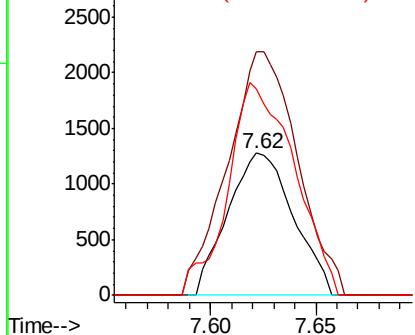
#31
Cyclohexane
Concen: 1.121 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN061851.D
Acq: 17 Jun 2020 16:15

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tot Ion: 56 Resp: 2762
Ion Ratio Lower Upper
56 100
69 153.8 27.7 41.5#
84 145.6 79.1 118.7#

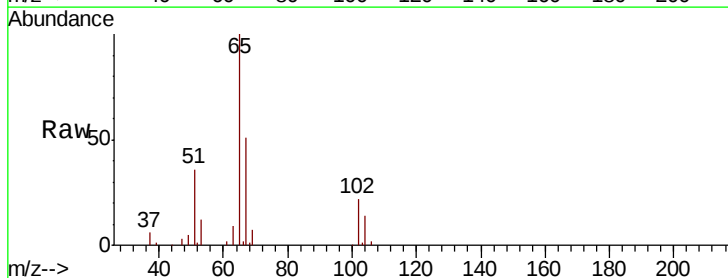


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

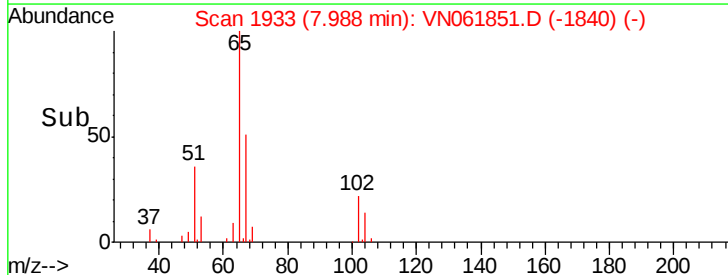
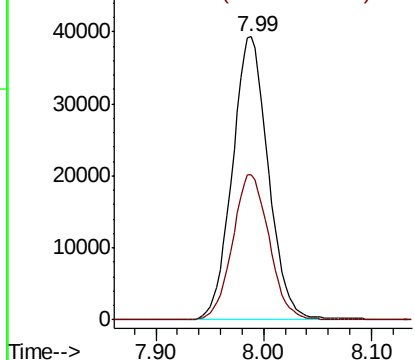


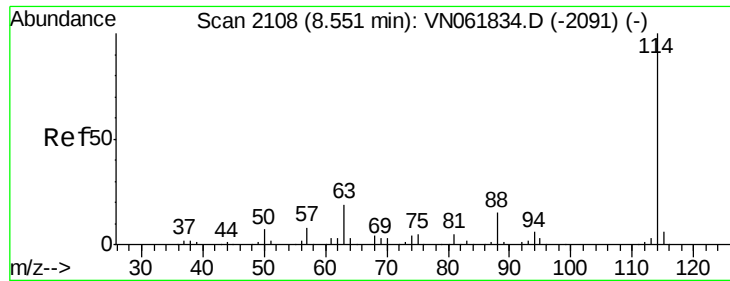
#33
1,2-Dichloroethane-d4
Concen: 48.813 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN061851.D
Acq: 17 Jun 2020 16:15

Tgt Ion: 65 Resp: 91229
Ion Ratio Lower Upper
65 100
67 52.0 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: VN061851.D

Acq: 17 Jun 2020 16:15

Instrument :

MSVOA_N

ClientSampleId :

IBLK

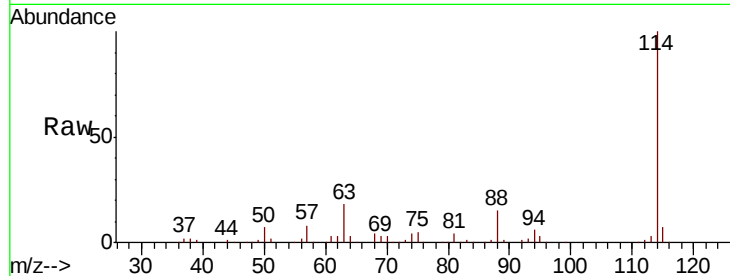
Tot Ion:114 Resp: 253051

Ion Ratio Lower Upper

114 100

63 18.4 0.0 37.6

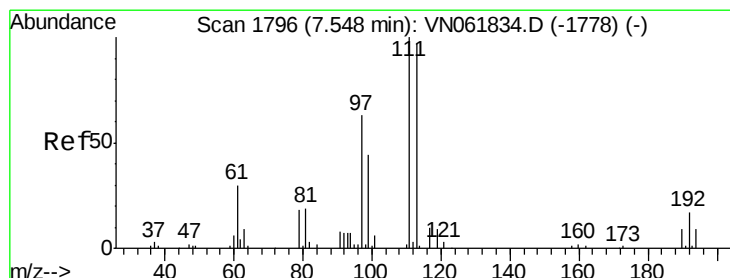
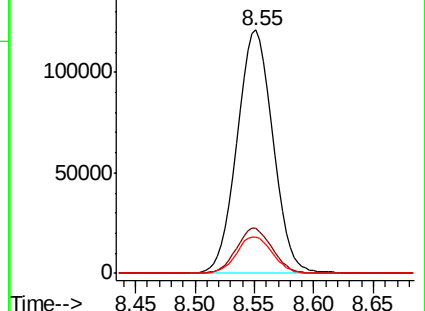
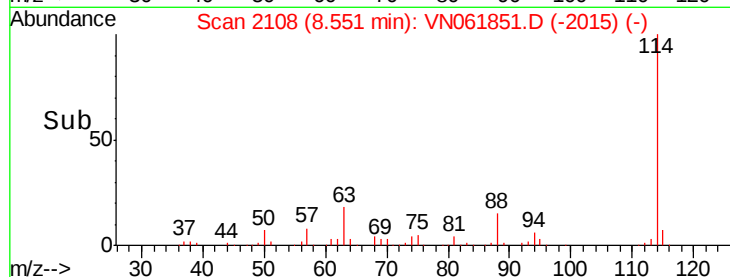
88 15.0 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 49.633 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN061851.D

Acq: 17 Jun 2020 16:15

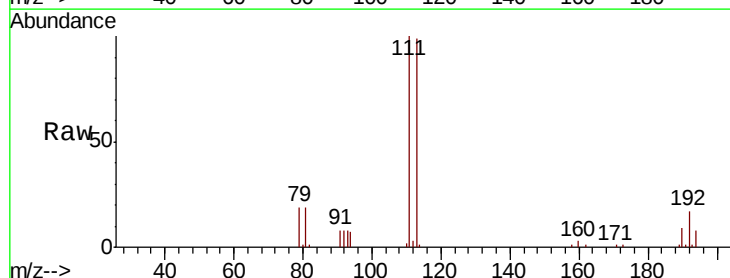
Tgt Ion:113 Resp: 80351

Ion Ratio Lower Upper

113 100

111 103.1 83.7 125.5

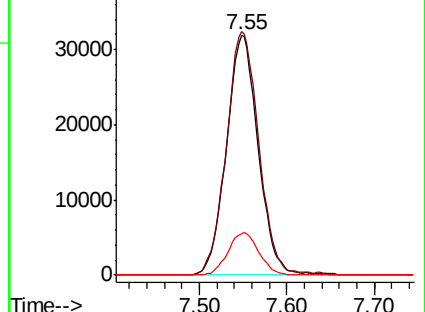
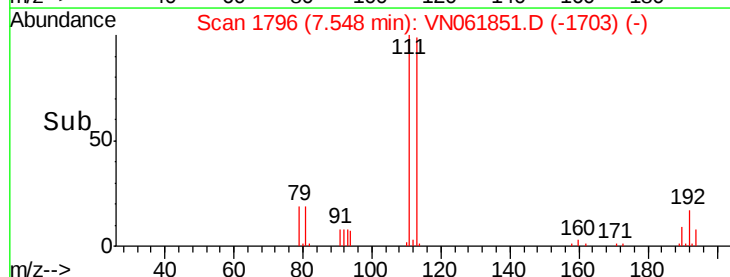
192 17.0 13.9 20.9

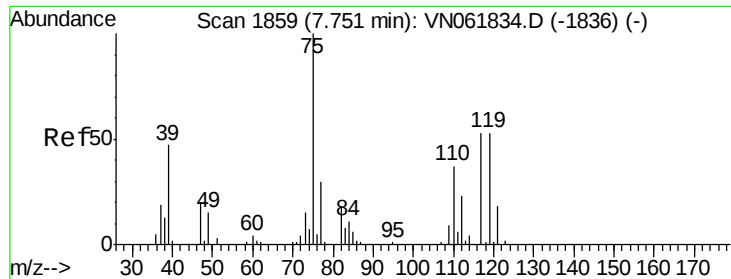


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

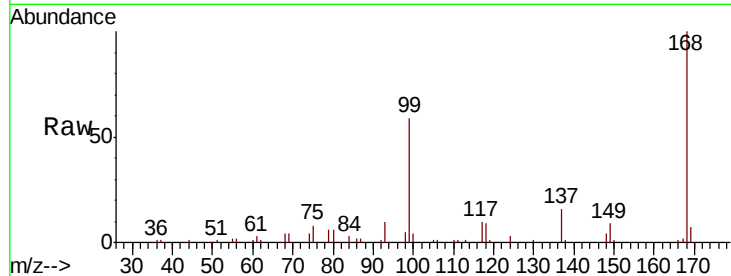




#36
 1,1-Dichloropropene
 Concen: 4.568 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN061851.D
 Acq: 17 Jun 2020 16:15

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.1	18.2	54.6#
77	0.0	24.2	36.4#

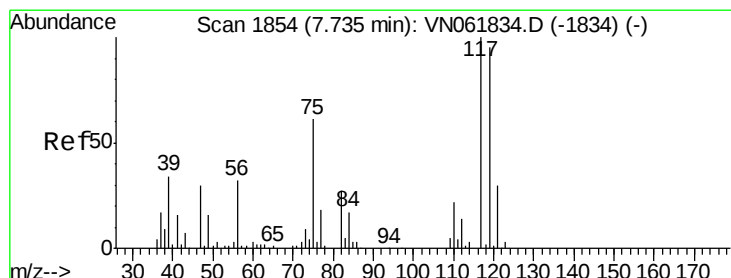
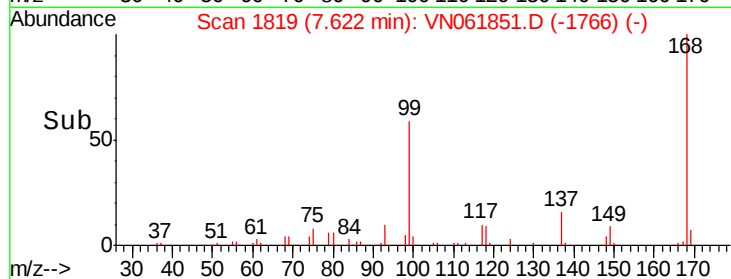
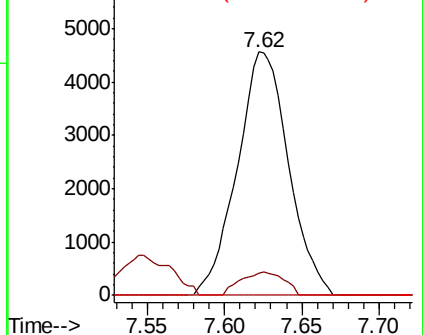


Abundance

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

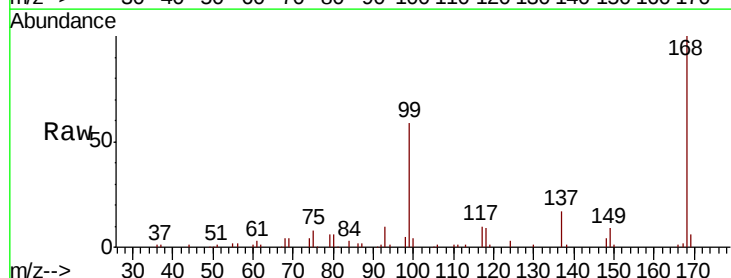
Ion 109.90 (109.60 to 110.60): VN061834.D (-1836) (-)

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



#38
 Carbon Tetrachloride
 Concen: 5.925 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN061851.D
 Acq: 17 Jun 2020 16:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	75.8	113.6#
121	0.0	23.8	35.6#

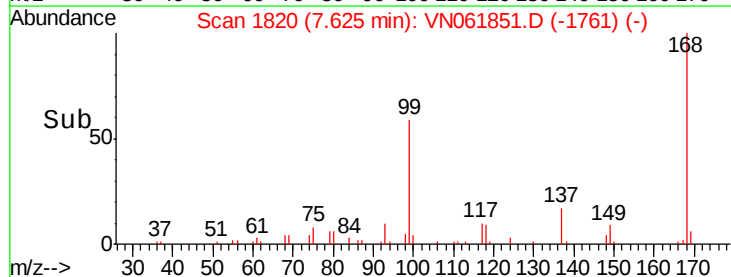
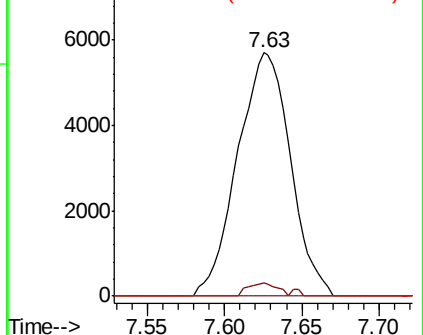


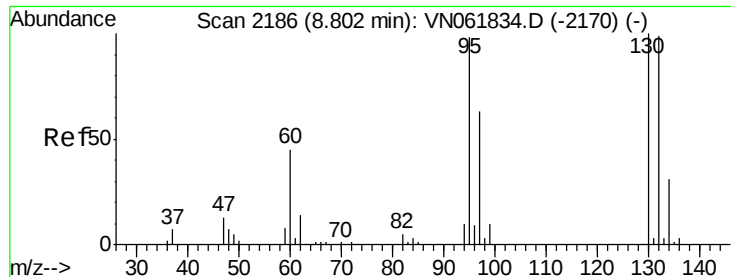
Abundance

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) (-)





#44

Trichloroethene

Concen: 1.068 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN061851.D

Acq: 17 Jun 2020 16:15

Instrument :

MSVOA_N

ClientSampled :

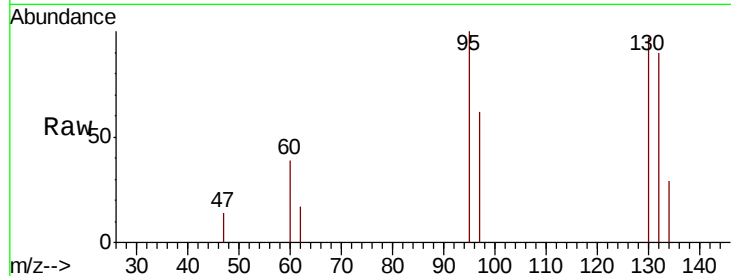
IBLK

Tot Ion:130 Resp: 1965

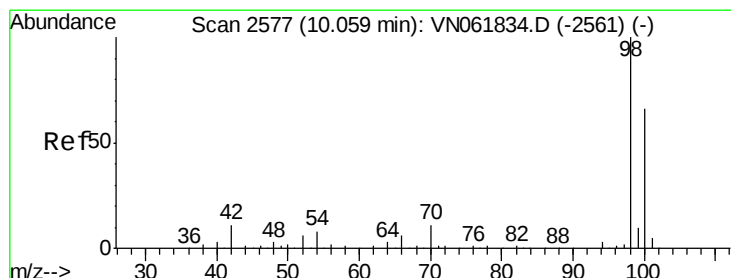
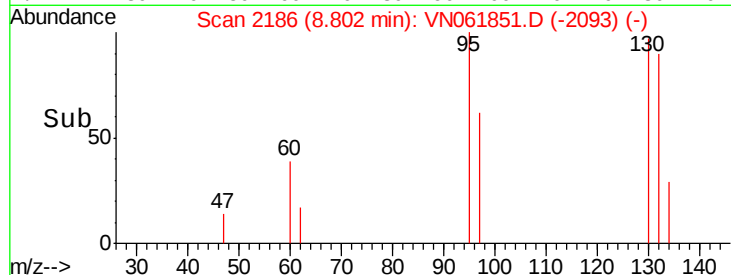
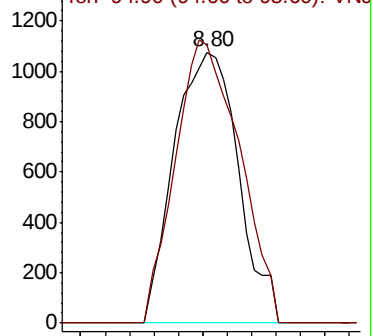
Ion Ratio Lower Upper

130 100

95 102.6 0.0 195.6



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



#50

Toluene-d8

Concen: 49.856 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061851.D

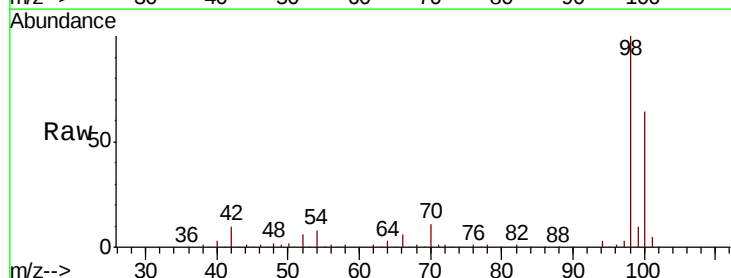
Acq: 17 Jun 2020 16:15

Tgt Ion: 98 Resp: 317311

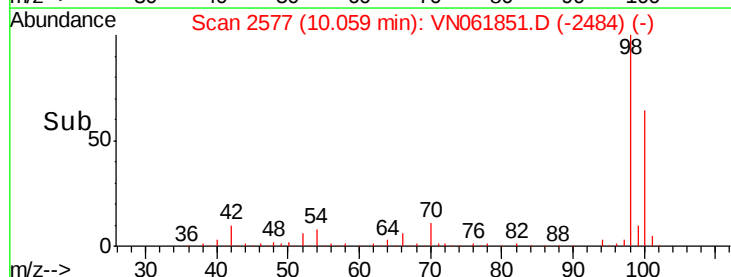
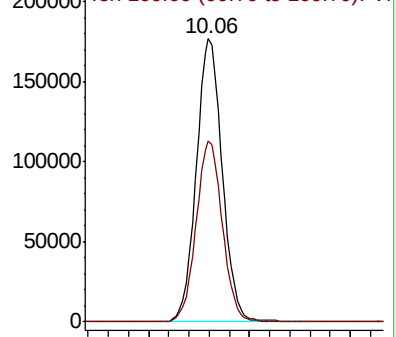
Ion Ratio Lower Upper

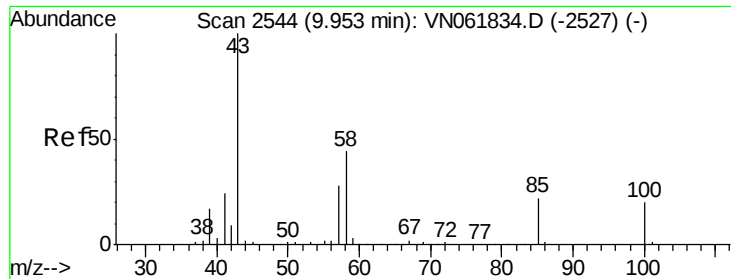
98 100

100 64.6 52.7 79.1



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





#51

4-Methyl-2-Pentanone

Concen: 0.576 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.11 min

Lab File: VN061851.D

Acq: 17 Jun 2020 16:15

Instrument :

MSVOA_N

ClientSampled :

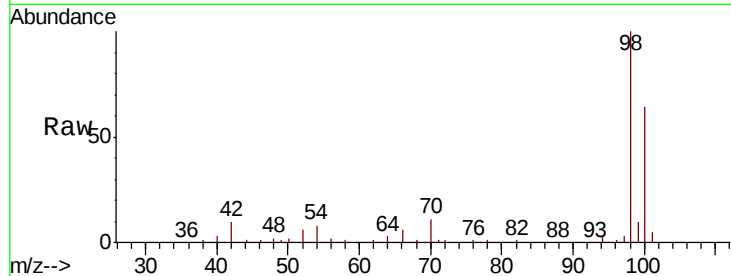
IBLK

Tot Ion: 43 Resp: 1033

Ion Ratio Lower Upper

43 100

58 209.3 34.6 52.0#



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-2527) (-)

Ion 58.00 (57.70 to 58.70): VN061834.D (-2527) (-)

1500

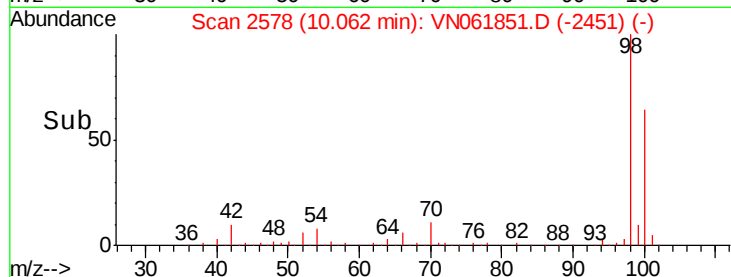
1000

500

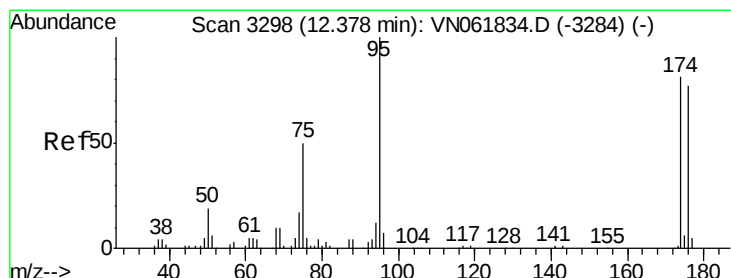
0

10.05

10.10



Time-->



#62

4-Bromofluorobenzene

Concen: 48.099 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN061851.D

Acq: 17 Jun 2020 16:15

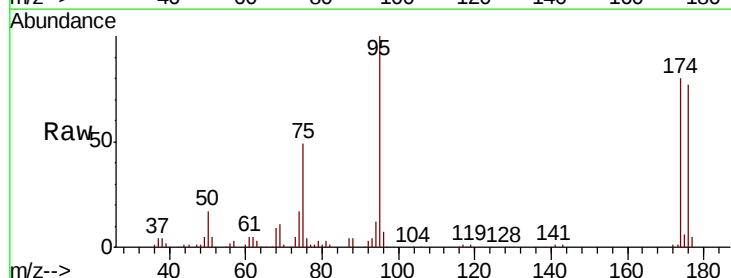
Tgt Ion: 95 Resp: 105007

Ion Ratio Lower Upper

95 100

174 78.7 0.0 158.6

176 75.7 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) (-)

80000

60000

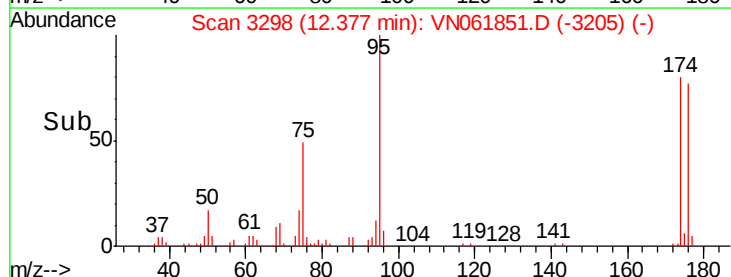
40000

20000

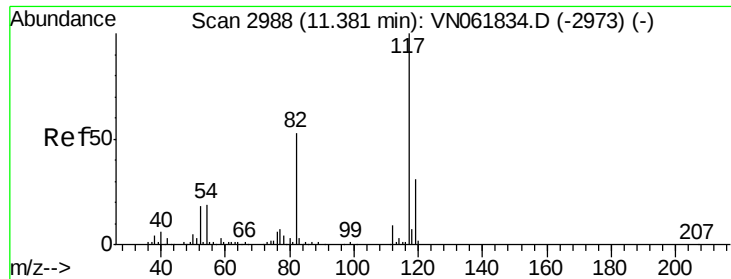
0

12.30

12.40



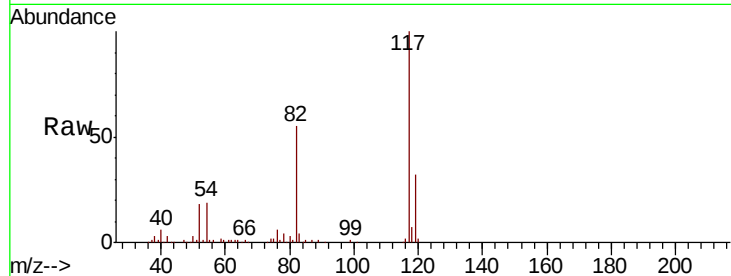
Time-->



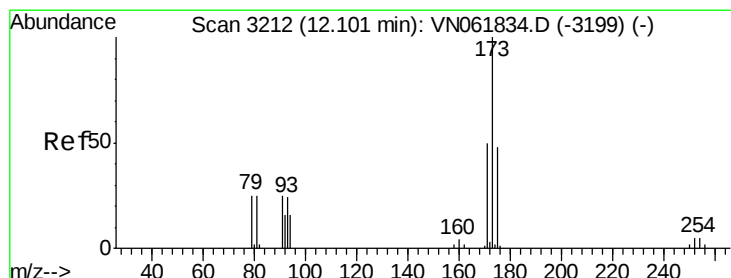
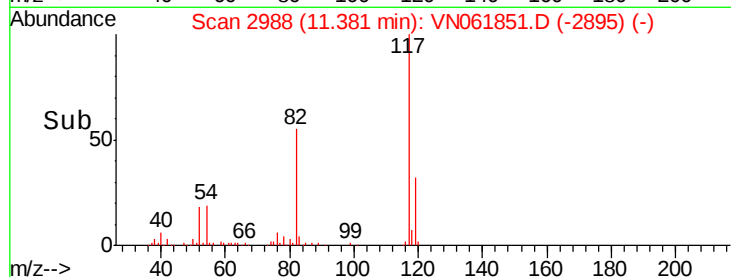
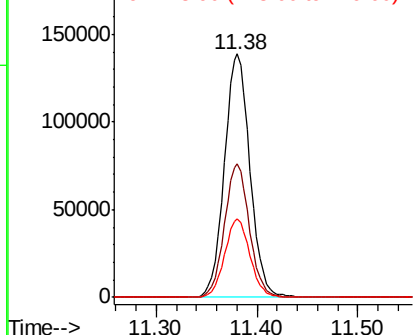
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061851.D
Acq: 17 Jun 2020 16:15

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tot Ion:117 Resp: 244958
Ion Ratio Lower Upper
117 100
82 54.7 42.6 64.0
119 32.1 24.7 37.1

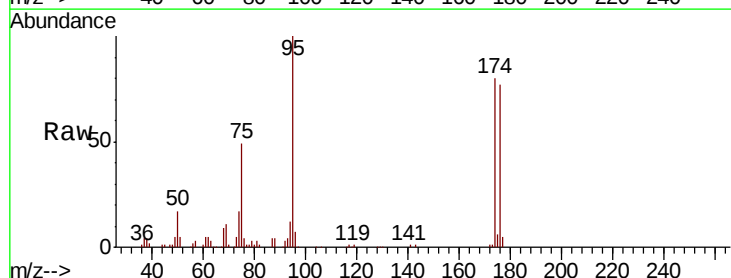


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

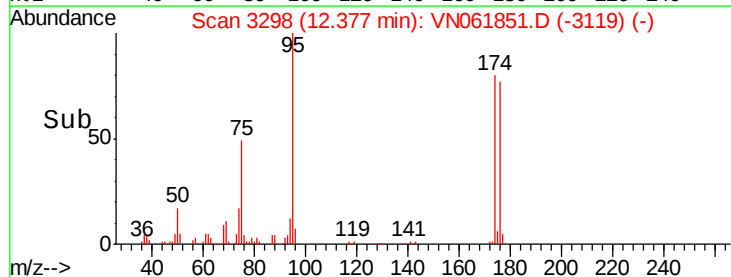
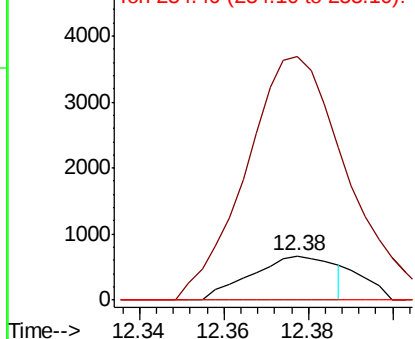


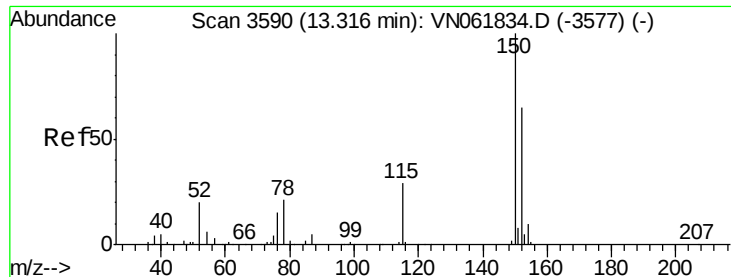
#71
Bromoform
Concen: 0.693 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN061851.D
Acq: 17 Jun 2020 16:15

Tgt Ion:173 Resp: 911
Ion Ratio Lower Upper
173 100
175 559.7 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: VN061851.D

Acq: 17 Jun 2020 16:15

Instrument :

MSVOA_N

ClientSampled :

IBLK

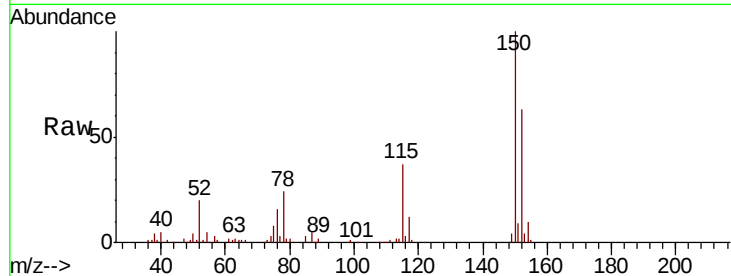
Tot Ion:152 Resp: 93607

Ion Ratio Lower Upper

152 100

115 59.2 29.1 87.3

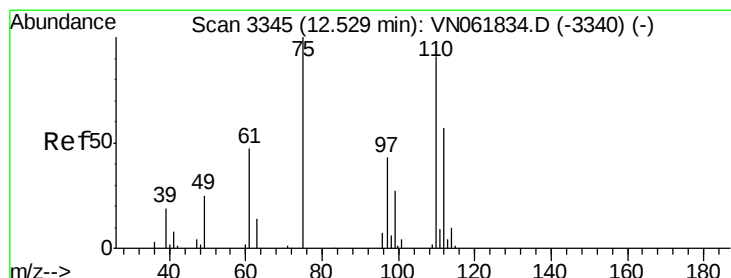
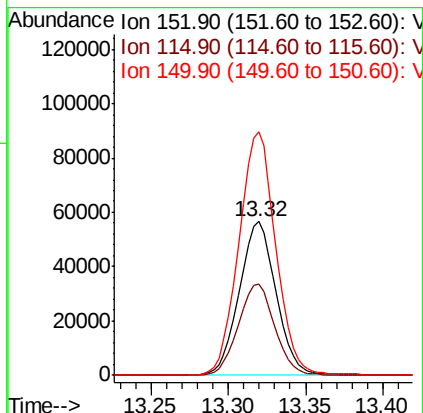
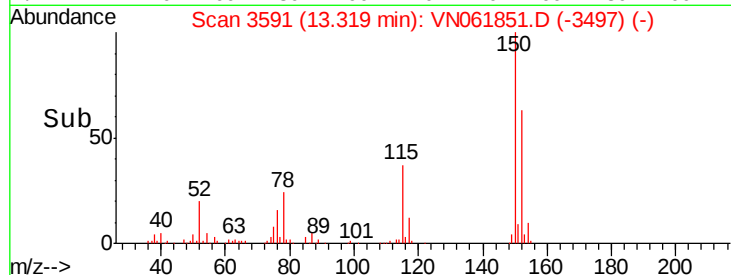
150 158.4 0.0 347.6



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: 27.865 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061851.D

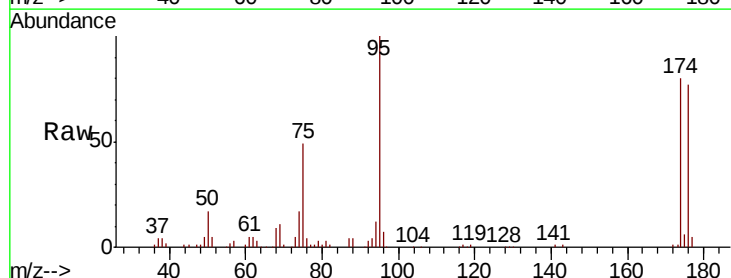
Acq: 17 Jun 2020 16:15

Tgt Ion: 75 Resp: 51209

Ion Ratio Lower Upper

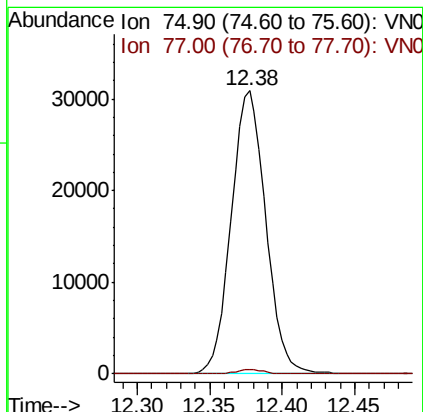
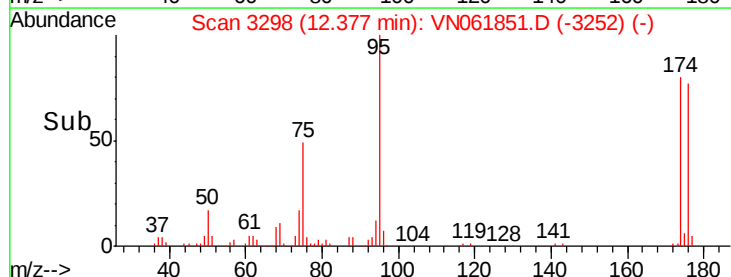
75 100

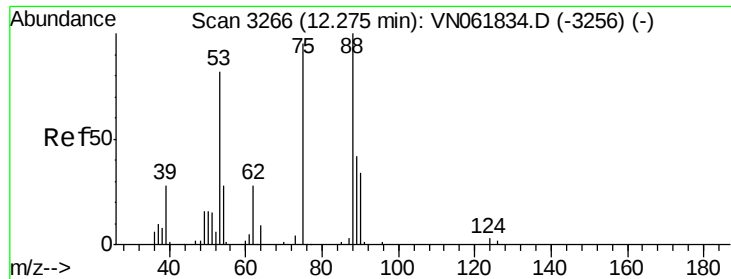
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 76.000 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061851.D

Acq: 17 Jun 2020 16:15

Instrument :

MSVOA_N

ClientSampleId :

IBLK

Tot Ion: 75 Resp: 51209

Ion Ratio Lower Upper

75 100

53 0.0 70.4 105.6#

89 0.0 36.0 54.0#

