

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120720\
 Data File : VN064952.D
 Acq On : 7 Dec 2020 18:00
 Operator : JC/MD
 Sample : L4962-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 08 07:17:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	175018	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	307179	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	317276	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	140780	50.00	ug/l	0.00

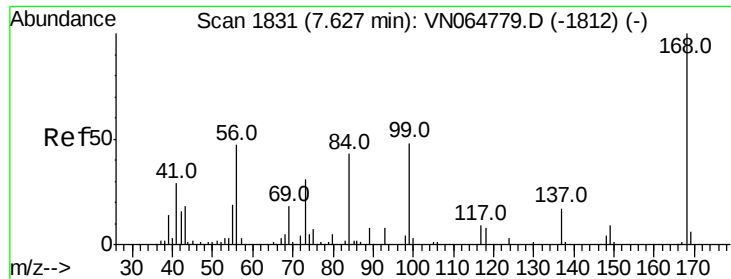
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	105308	51.76	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	103.52%
35) Dibromofluoromethane	7.55	113	99374	54.06	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	108.12%
50) Toluene-d8	10.06	98	381691	50.82	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.64%
62) 4-Bromofluorobenzene	12.38	95	148939	55.41	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	110.82%

Target Compounds

					Qvalue	
31) Cyclohexane	7.62	56	3333	1.175	ug/l	# 1
36) 1,1-Dichloropropene	7.62	75	11843	4.159	ug/l	# 50
38) Carbon Tetrachloride	7.63	117	16368	5.525	ug/l	# 17
51) 4-Methyl-2-Pentanone	10.05	43	1397	0.527	ug/l	# 1
71) Bromoform	12.38	173	1018	0.509	ug/l	# 1
76) 1,2,3-Trichloropropane	12.38	75	69520	22.930	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.38	75	69520	62.846	ug/l	# 15

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064952.D

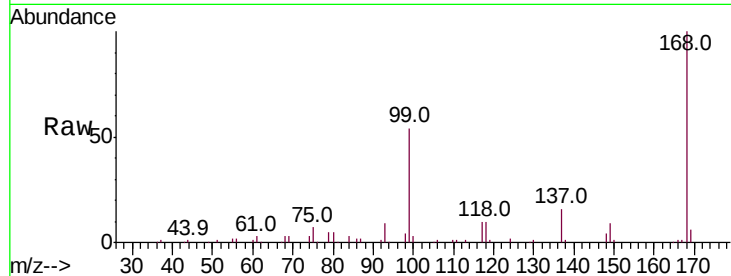
Acq: 7 Dec 2020 18:00

Tot Ion:168 Resp: 175018

Ion Ratio Lower Upper

168 100

99 53.7 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

80000

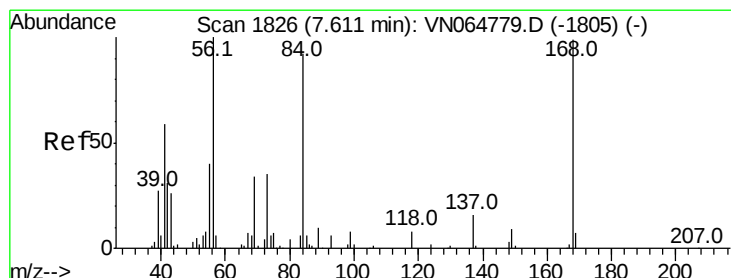
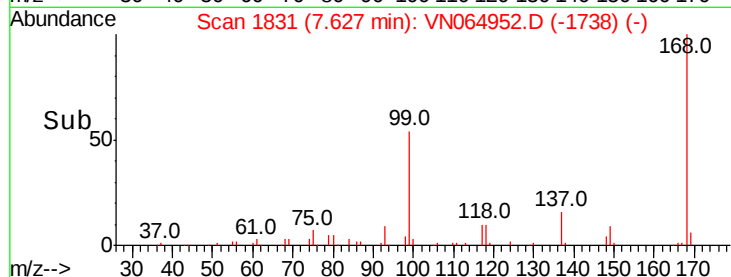
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#31

Cyclohexane

Concen: 1.175 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN064952.D

Acq: 7 Dec 2020 18:00

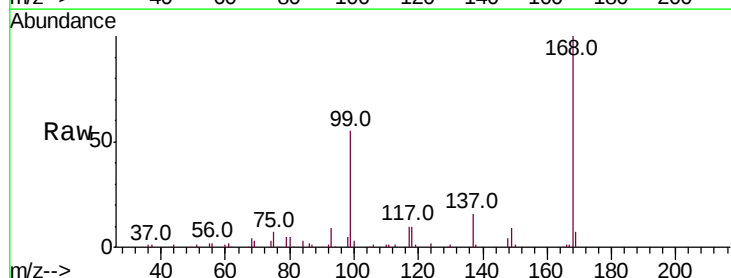
Tgt Ion: 56 Resp: 3333

Ion Ratio Lower Upper

56 100

69 176.1 27.5 41.3#

84 148.0 73.9 110.9#



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

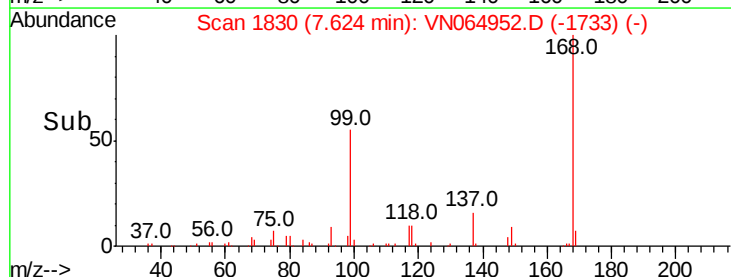
3000

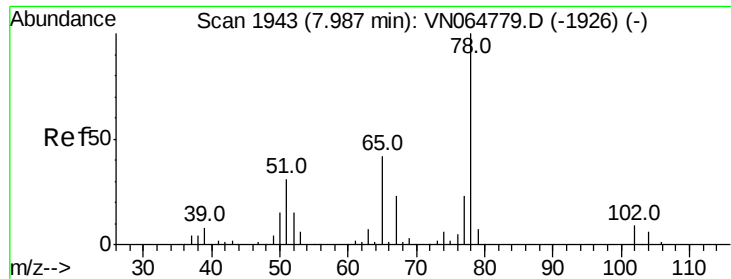
2000

1000

0

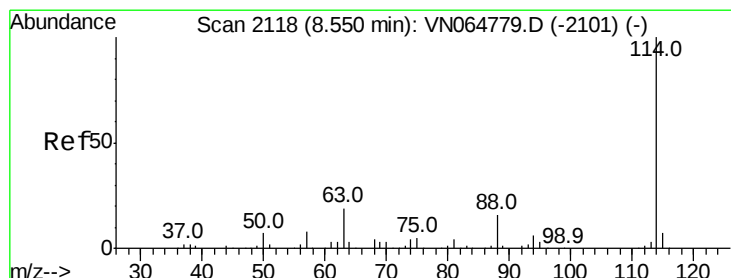
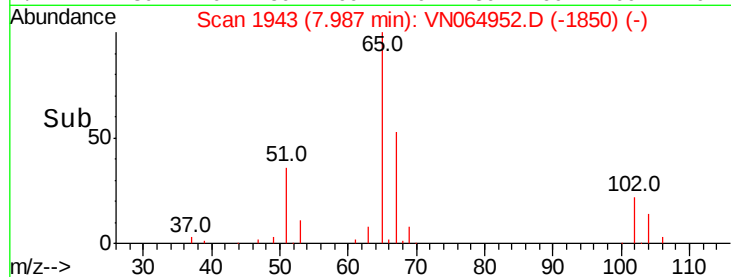
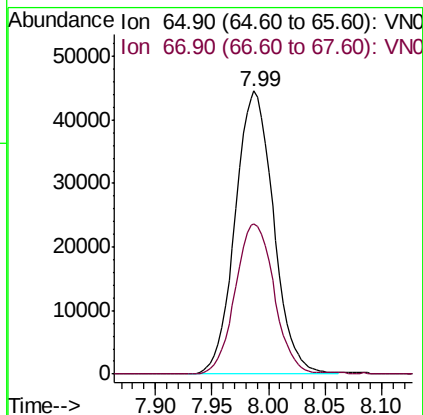
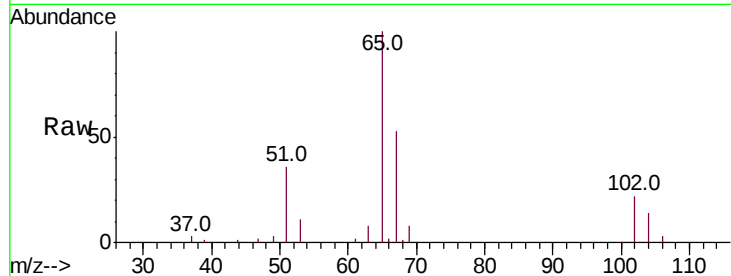
Time--> 7.55 7.60 7.65





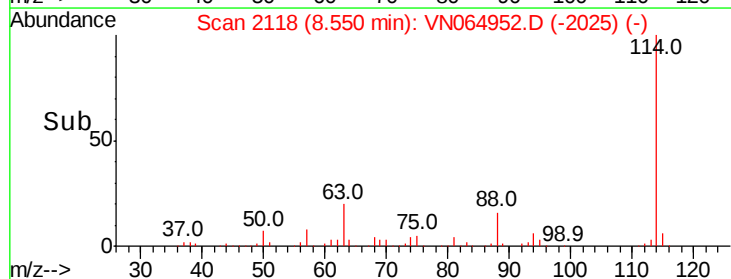
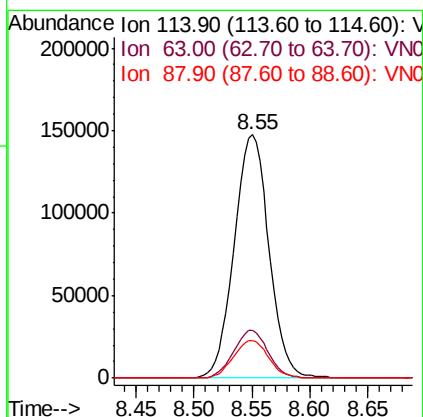
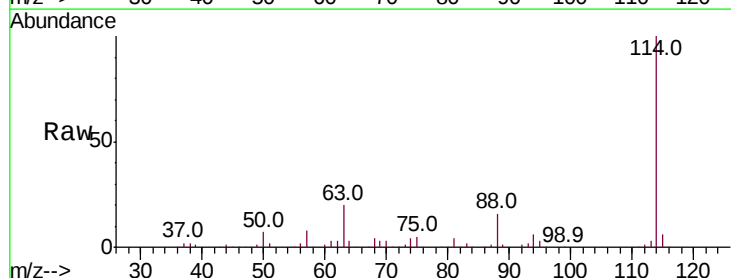
#33
 1,2-Dichloroethane-d4
 Concen: 51.756 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064952.D
 Acq: 7 Dec 2020 18:00

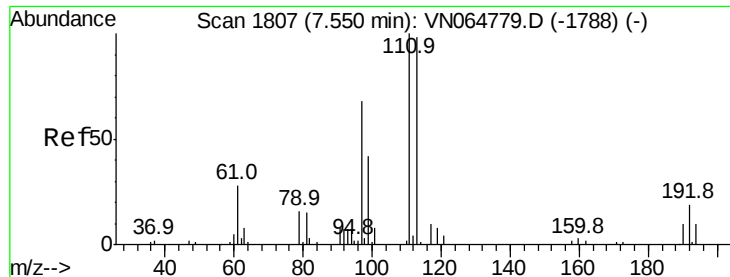
Tot Ion: 65 Resp: 105308
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064952.D
 Acq: 7 Dec 2020 18:00

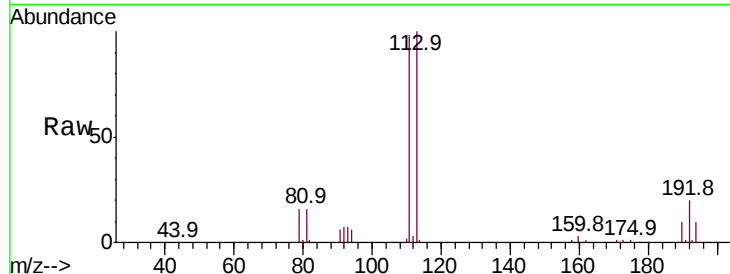
Tgt Ion: 114 Resp: 307179
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.6
 88 15.6 0.0 32.6



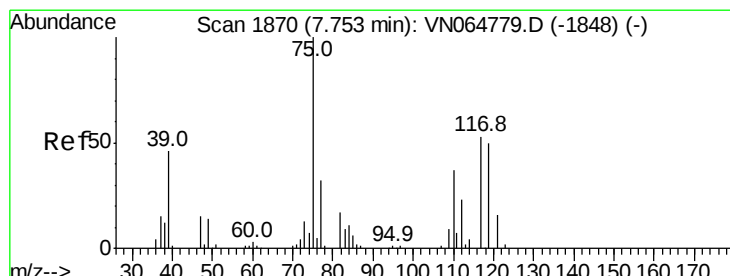
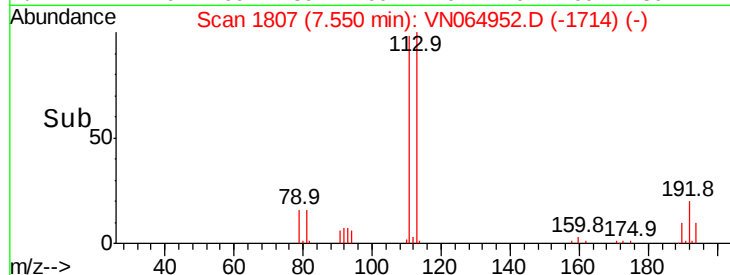
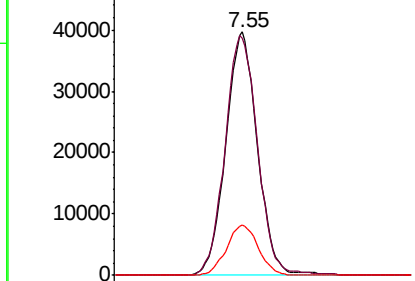


#35
 Dibromofluoromethane
 Concen: 54.065 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064952.D
 Acq: 7 Dec 2020 18:00

Tot Ion:113 Resp: 99374
 Ion Ratio Lower Upper
 113 100
 111 101.3 81.6 122.4
 192 20.6 16.2 24.2

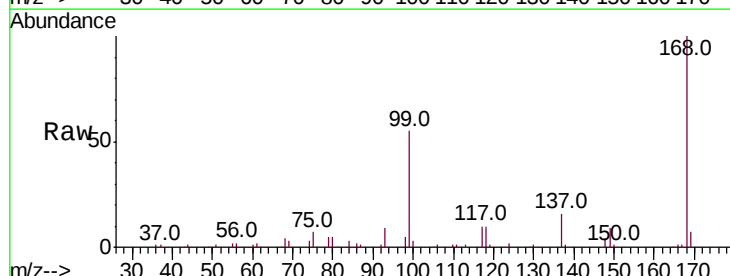


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

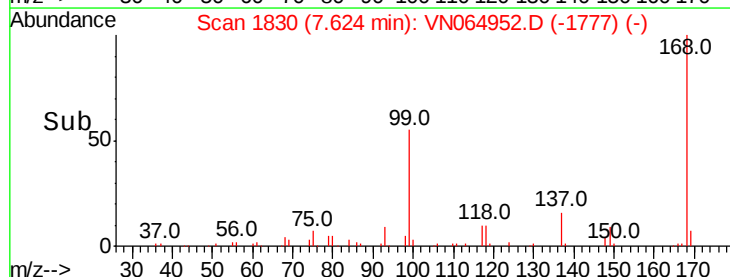
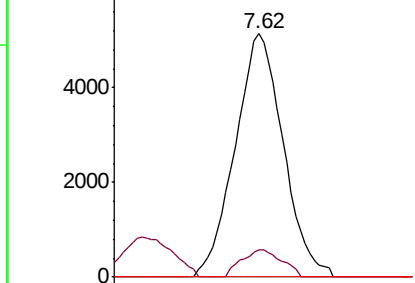


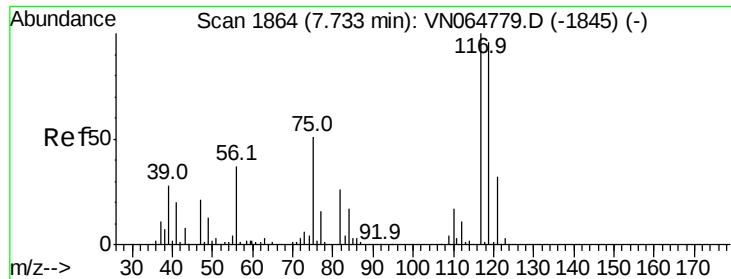
#36
 1,1-Dichloropropene
 Concen: 4.159 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064952.D
 Acq: 7 Dec 2020 18:00

Tgt Ion: 75 Resp: 11843
 Ion Ratio Lower Upper
 75 100
 110 9.3 17.8 53.3#
 77 0.0 25.0 37.4#



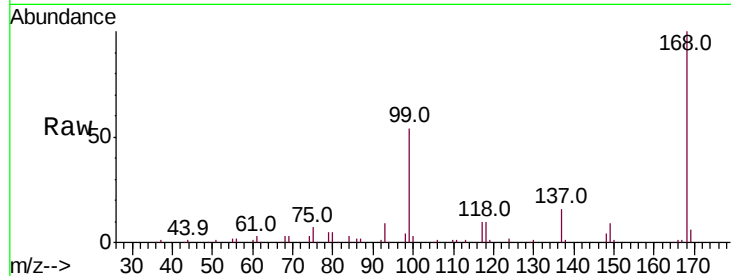
Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V



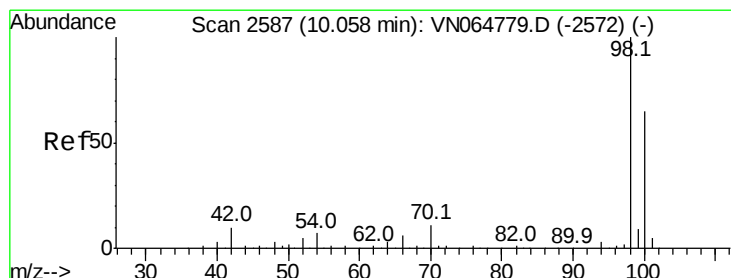
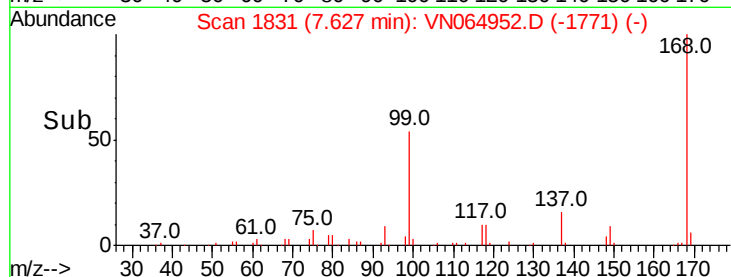
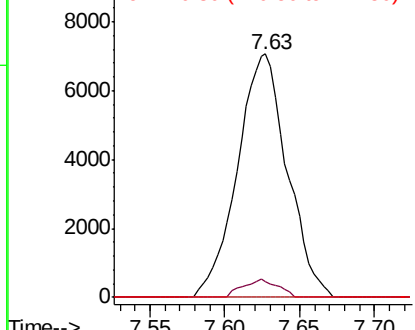


#38
Carbon Tetrachloride
Concen: 5.525 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN064952.D
Acq: 7 Dec 2020 18:00

Tot Ion:117 Resp: 16368
Ion Ratio Lower Upper
117 100
119 6.7 76.7 115.1#
121 0.0 25.4 38.2#

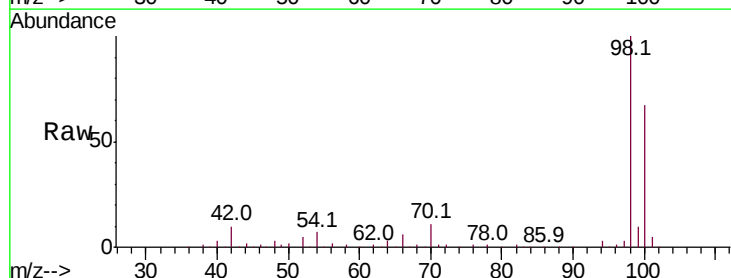


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

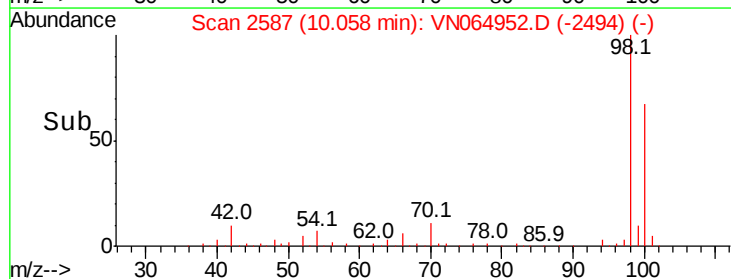
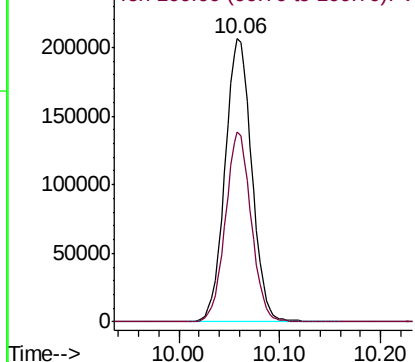


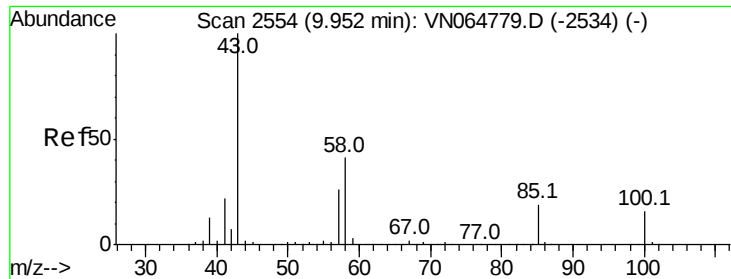
#50
Toluene-d8
Concen: 50.823 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064952.D
Acq: 7 Dec 2020 18:00

Tgt Ion: 98 Resp: 381691
Ion Ratio Lower Upper
98 100
100 64.8 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN
Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.527 ug/l

RT: 10.05 min Scan# 2586

Delta R.T. 0.10 min

Lab File: VN064952.D

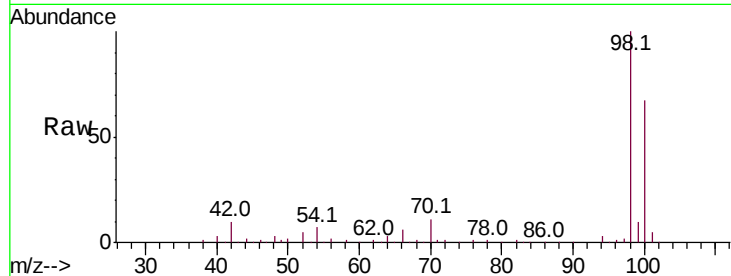
Acq: 7 Dec 2020 18:00

Tot Ion: 43 Resp: 1397

Ion Ratio Lower Upper

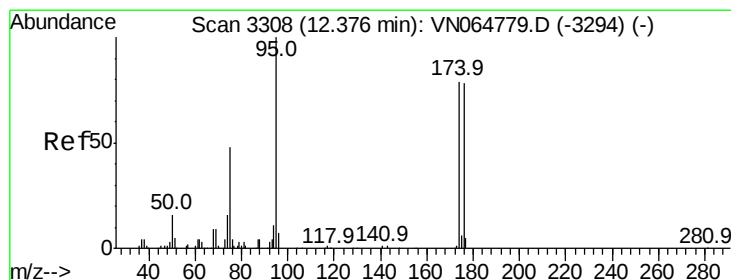
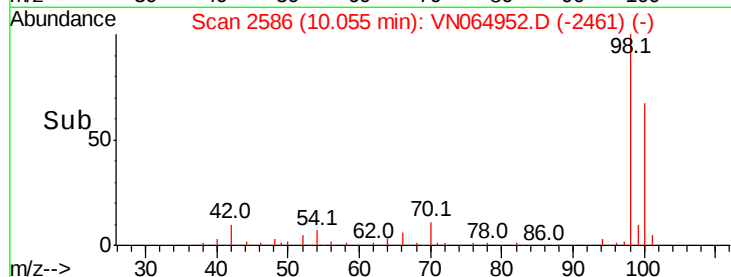
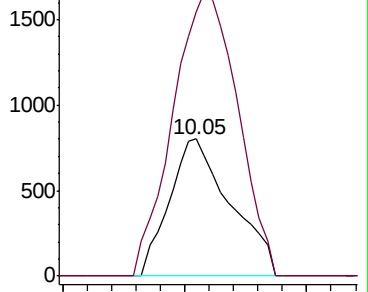
43 100

58 218.6 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VN064952.D (-2586) (-)

Ion 58.00 (57.70 to 58.70): VN064952.D (-2586) (-)



#62

4-Bromofluorobenzene

Concen: 55.414 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064952.D

Acq: 7 Dec 2020 18:00

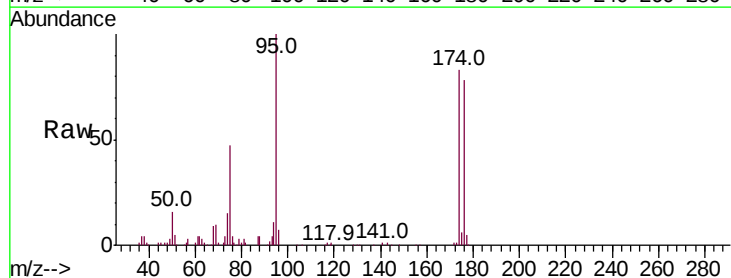
Tgt Ion: 95 Resp: 148939

Ion Ratio Lower Upper

95 100

174 82.3 0.0 160.4

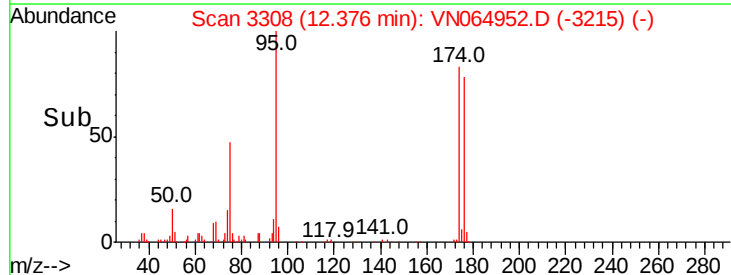
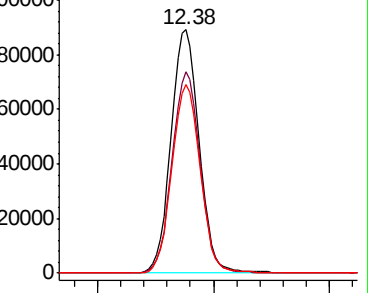
176 78.1 0.0 158.4

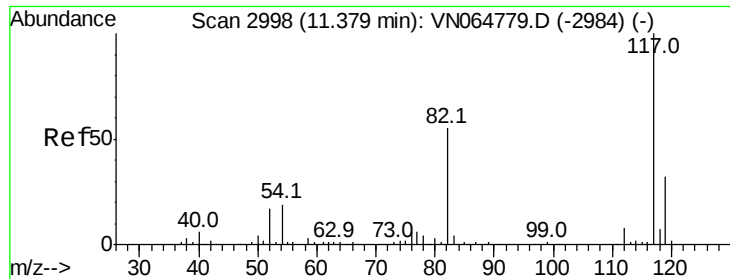


Abundance Ion 94.90 (94.60 to 95.60): VN064952.D (-3308) (-)

Ion 173.80 (173.50 to 174.50): VN064952.D (-3308) (-)

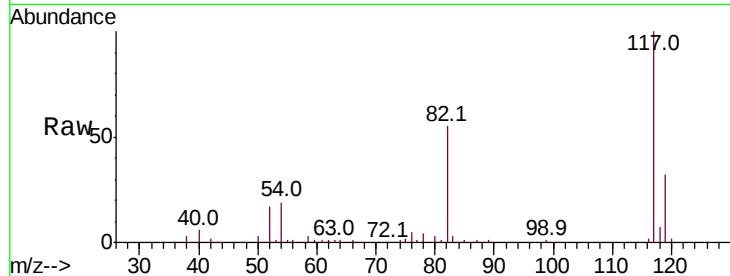
Ion 175.80 (175.50 to 176.50): VN064952.D (-3308) (-)



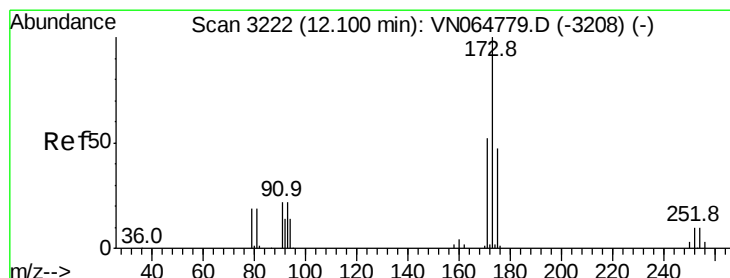
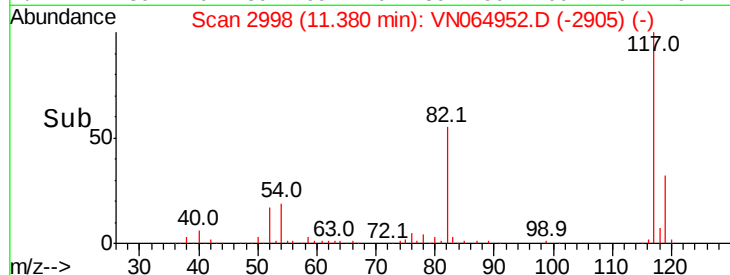
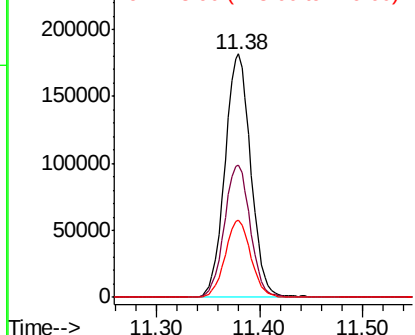


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064952.D
Acq: 7 Dec 2020 18:00

Tot Ion:117 Resp: 317276
Ion Ratio Lower Upper
117 100
82 54.5 44.2 66.2
119 31.8 25.8 38.6

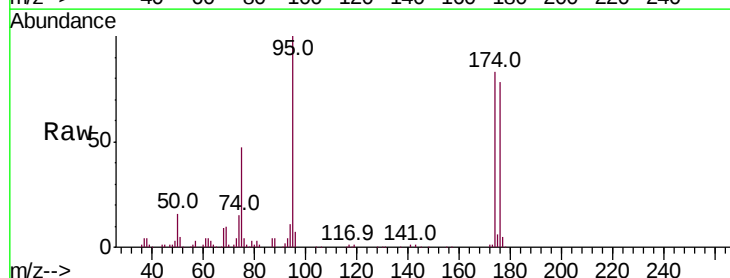


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

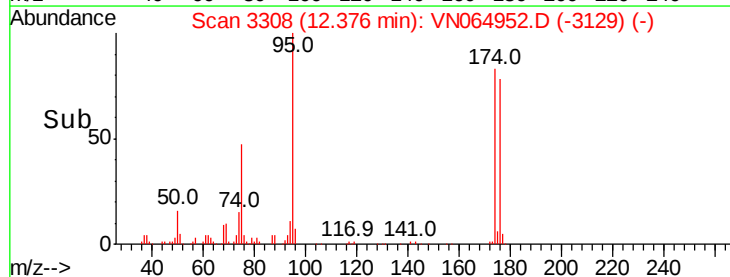
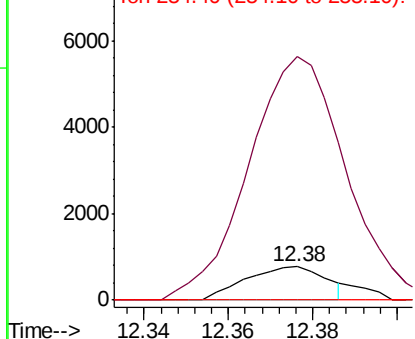


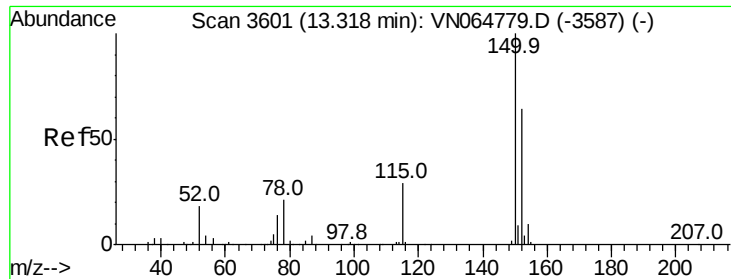
#71
Bromoform
Concen: 0.509 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.28 min
Lab File: VN064952.D
Acq: 7 Dec 2020 18:00

Tgt Ion:173 Resp: 1018
Ion Ratio Lower Upper
173 100
175 756.8 24.3 72.8#
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

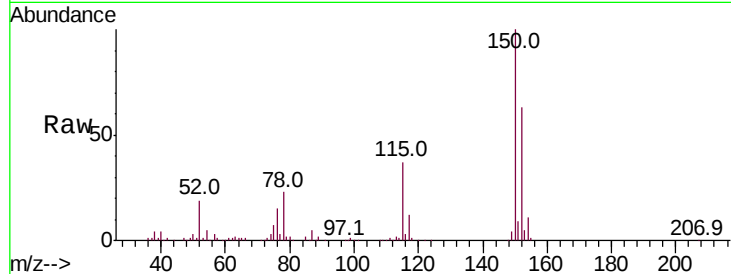




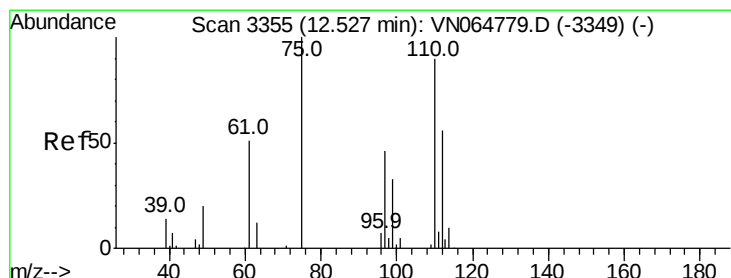
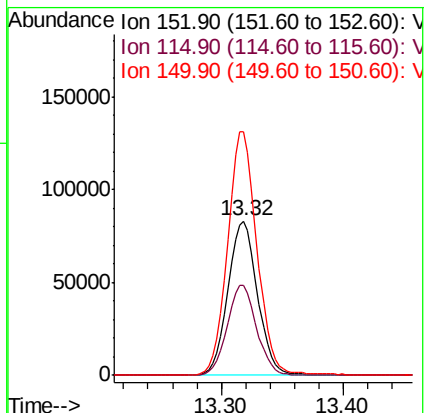
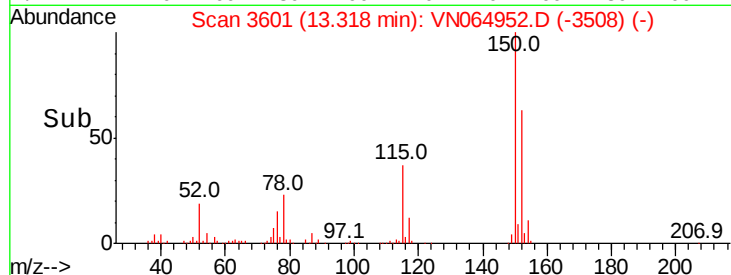
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064952.D
Acq: 7 Dec 2020 18:00

Tot Ion:152 Resp: 140780
Ion Ratio Lower Upper
152 100
115 58.4 29.7 89.1
150 156.3 0.0 350.6



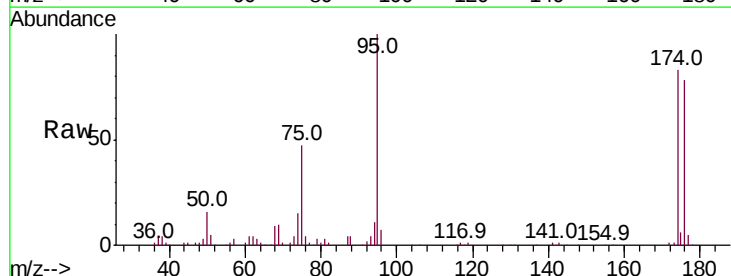
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



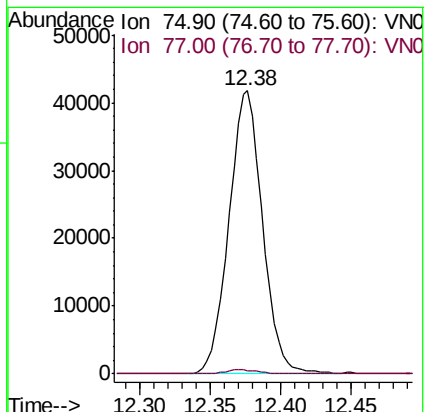
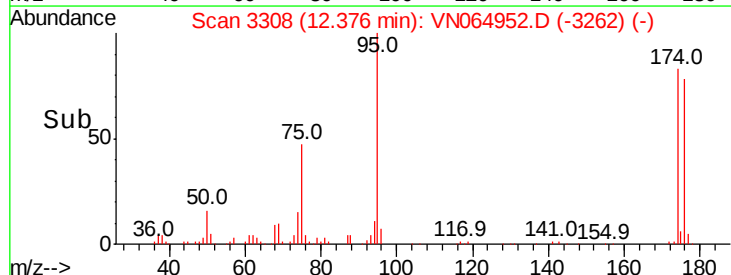
#76

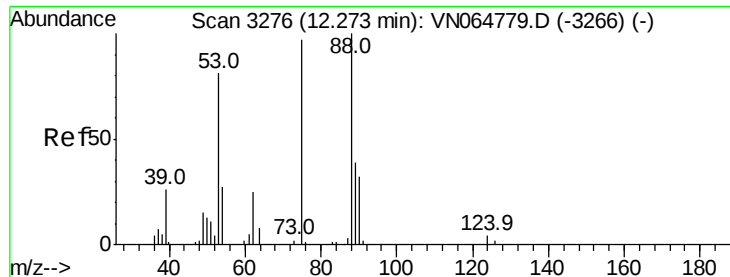
1,2,3-Trichloropropane
Concen: 22.930 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.15 min
Lab File: VN064952.D
Acq: 7 Dec 2020 18:00

Tgt Ion: 75 Resp: 69520
Ion Ratio Lower Upper
75 100
77 1.4 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: 62.846 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN064952.D
 Acq: 7 Dec 2020 18:00

Tot Ion: 75 Resp: 69520
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.0 100.4#
 89 0.0 39.6 59.4#

