

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120720\
 Data File : VN064950.D
 Acq On : 7 Dec 2020 17:12
 Operator : JC/MD
 Sample : L4962-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 08 07:16:46 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	179048	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	319496	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	328588	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	143089	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	109431	52.57	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	105.14%
35) Dibromofluoromethane	7.55	113	101221	52.95	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	105.90%
50) Toluene-d8	10.06	98	398744	51.05	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.10%
62) 4-Bromofluorobenzene	12.37	95	150780	53.94	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	107.88%

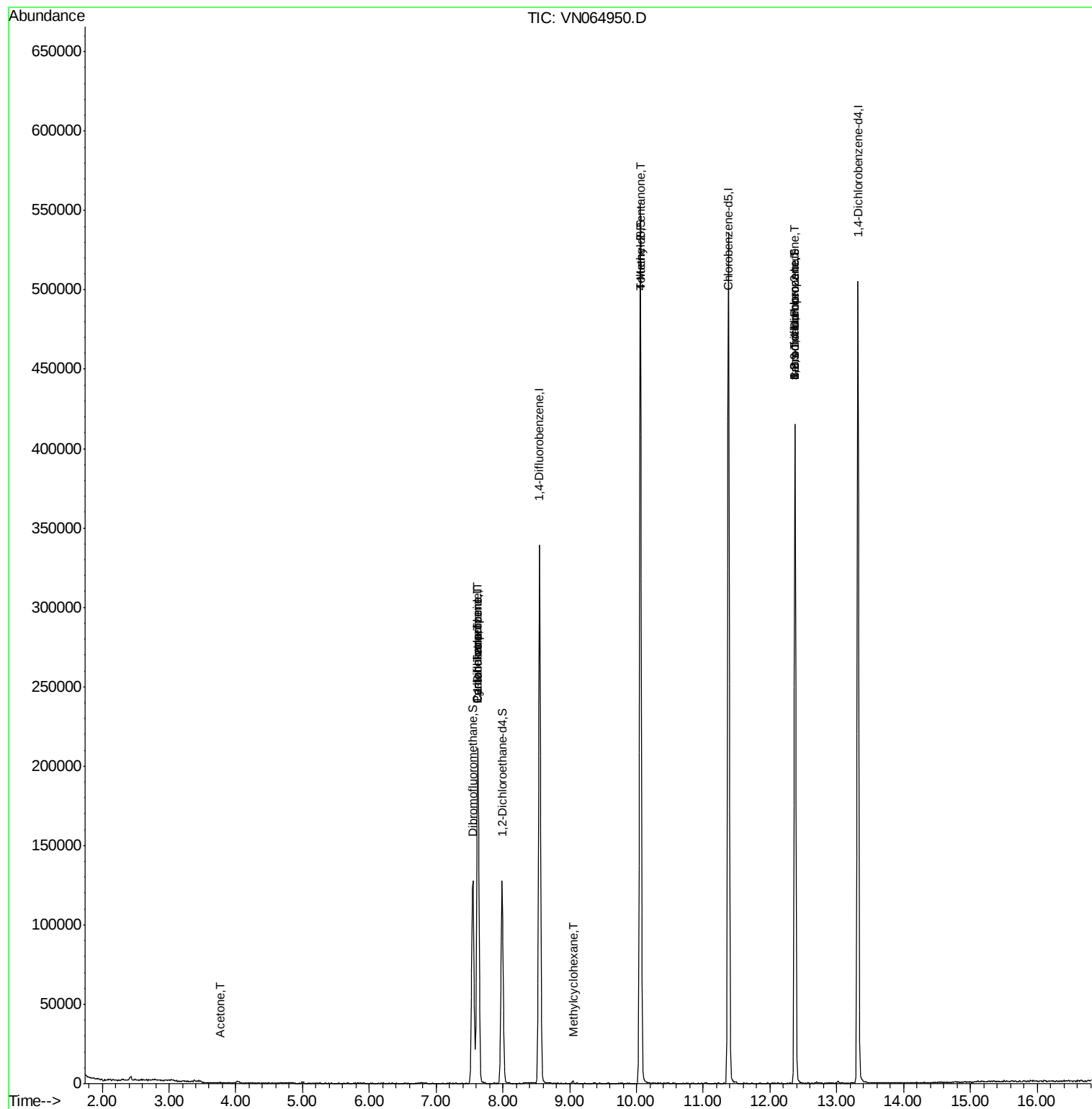
Target Compounds

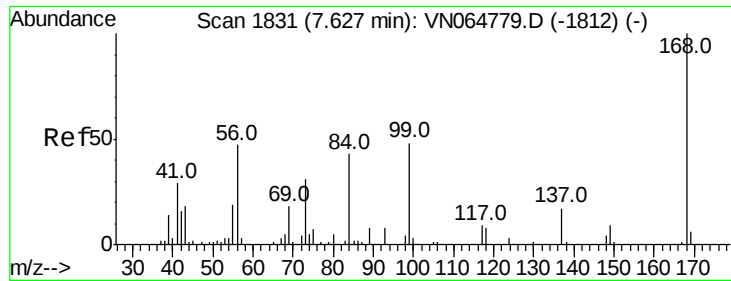
					Qvalue	
16) Acetone	3.77	43	411	0.601	ug/l #	43
31) Cyclohexane	7.62	56	3226	1.112	ug/l #	11
36) 1,1-Dichloropropene	7.62	75	12187	4.115	ug/l #	50
38) Carbon Tetrachloride	7.63	117	16374	5.314	ug/l #	16
39) Methylcyclohexane	9.04	83	779	0.244	ug/l	93
51) 4-Methyl-2-Pentanone	10.05	43	1623	0.589	ug/l #	1
71) Bromoform	12.37	173	463	0.224	ug/l #	29
76) 1,2,3-Trichloropropane	12.37	75	70759	22.962	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	70759	62.934	ug/l #	15

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

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Quant Title : SW846 8260
QLast Update : Mon Nov 23 13:54:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064950.D

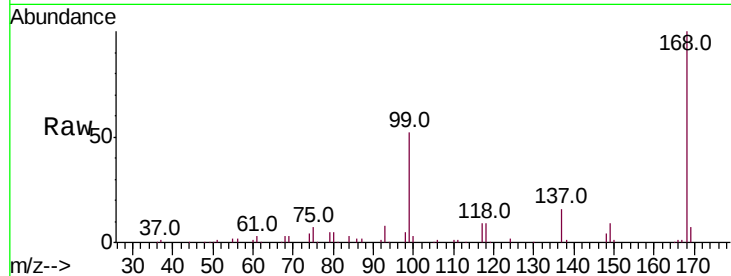
Acq: 7 Dec 2020 17:12

Tot Ion:168 Resp: 179048

Ion Ratio Lower Upper

168 100

99 51.8 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

80000

60000

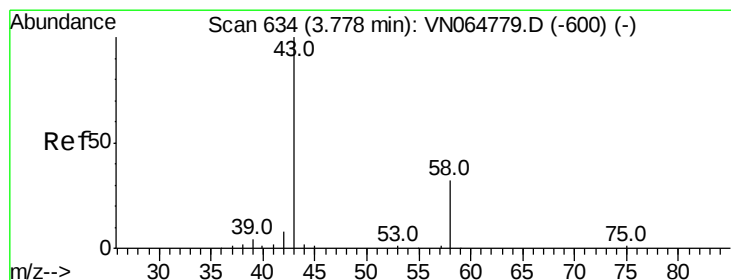
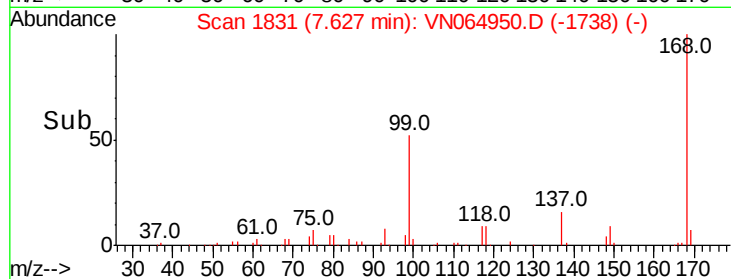
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#16

Acetone

Concen: 0.601 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.01 min

Lab File: VN064950.D

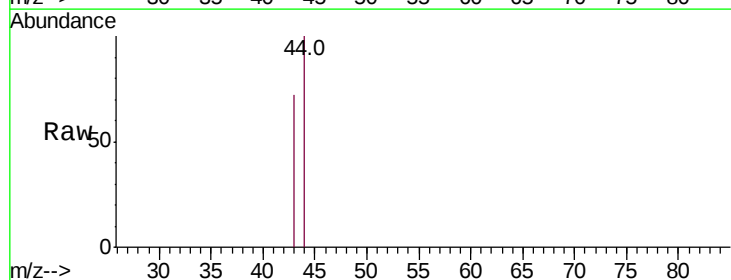
Acq: 7 Dec 2020 17:12

Tgt Ion: 43 Resp: 411

Ion Ratio Lower Upper

43 100

58 0.0 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.77

300

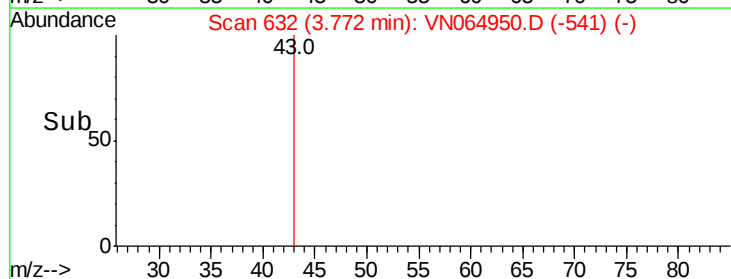
200

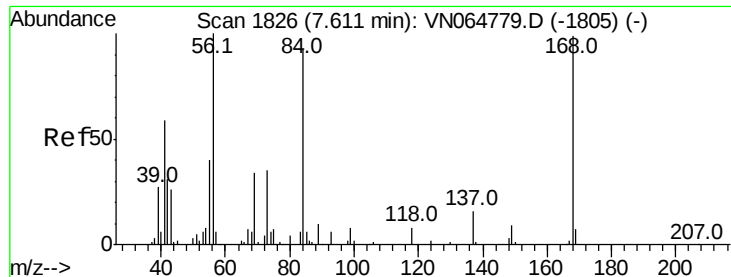
100

0

3.74 3.76 3.78 3.80

Time-->





#31

Cyclohexane

Concen: 1.112 ug/l

RT: 7.62 min Scan# 1830

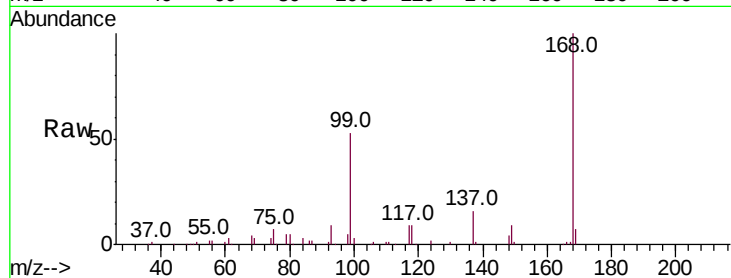
Delta R.T. 0.01 min

Lab File: VN064950.D

Acq: 7 Dec 2020 17:12

Tot Ion: 56 Resp: 3226

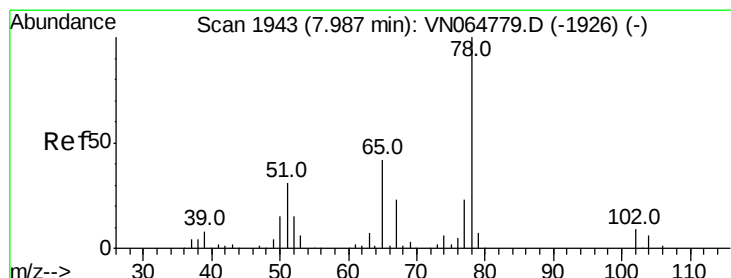
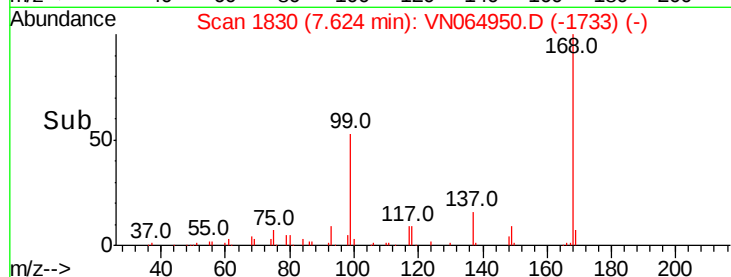
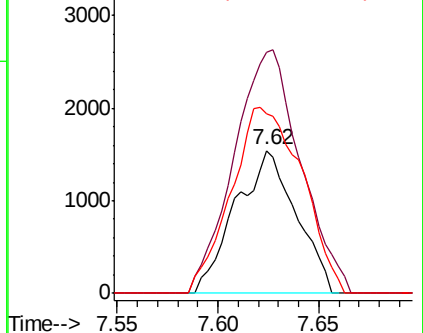
Ion	Ratio	Lower	Upper
56	100		
69	169.2	27.5	41.3#
84	126.3	73.9	110.9#



Abundance Ion 56.00 (55.70 to 56.70): VN064950.D (-1805) (-)

Ion 69.00 (68.70 to 69.70): VN064950.D (-1805) (-)

Ion 84.00 (83.70 to 84.70): VN064950.D (-1805) (-)



#33

1,2-Dichloroethane-d4

Concen: 52.572 ug/l

RT: 7.99 min Scan# 1943

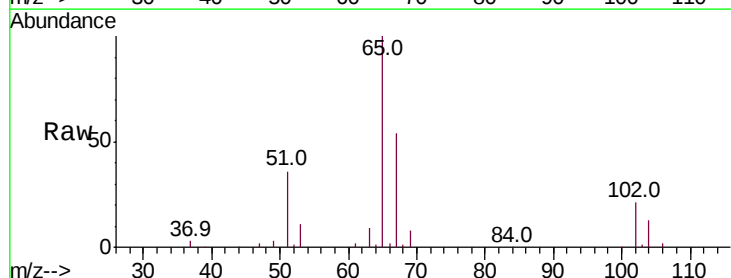
Delta R.T. 0.00 min

Lab File: VN064950.D

Acq: 7 Dec 2020 17:12

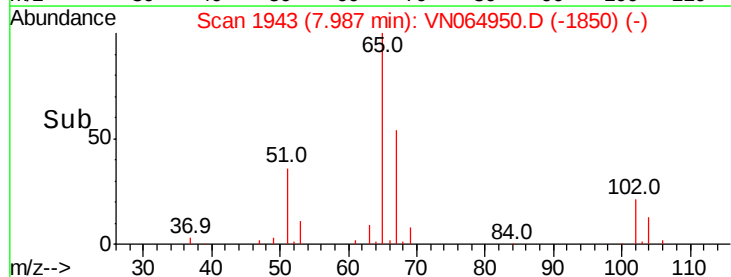
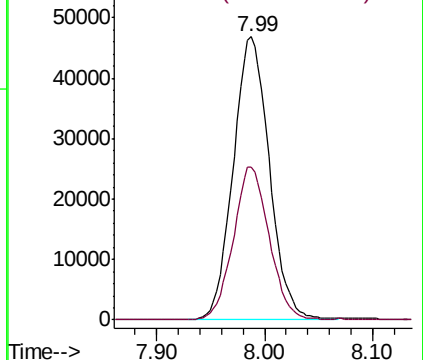
Tgt Ion: 65 Resp: 109431

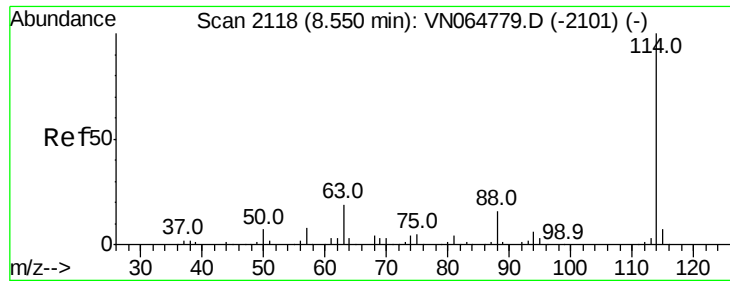
Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	108.2



Abundance Ion 64.90 (64.60 to 65.60): VN064950.D (-1850) (-)

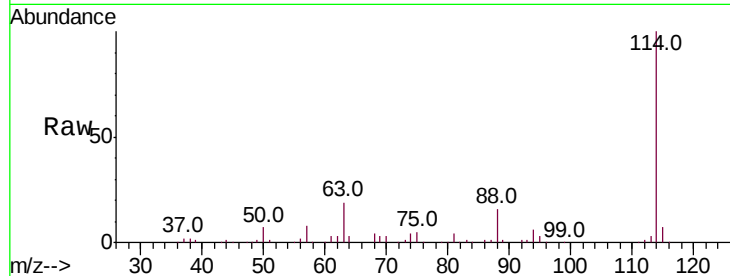
Ion 66.90 (66.60 to 67.60): VN064950.D (-1850) (-)



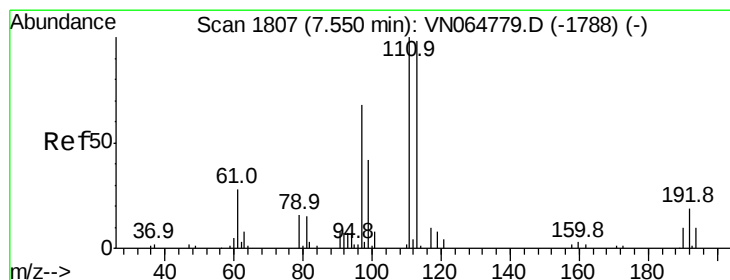
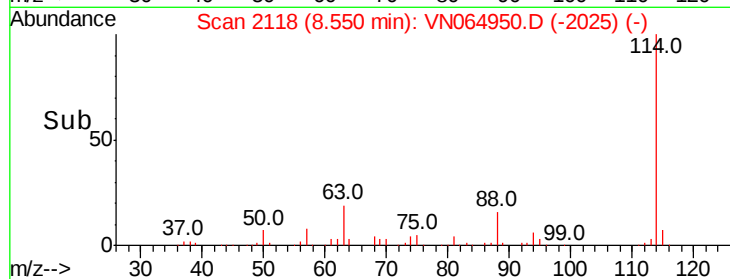
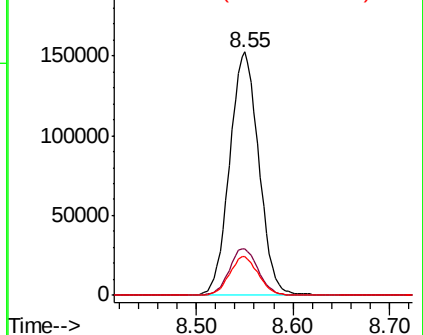


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064950.D
 Acq: 7 Dec 2020 17:12

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	38.6
88	16.2	0.0	32.6

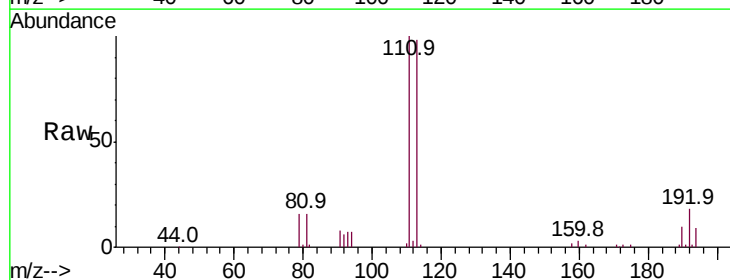


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

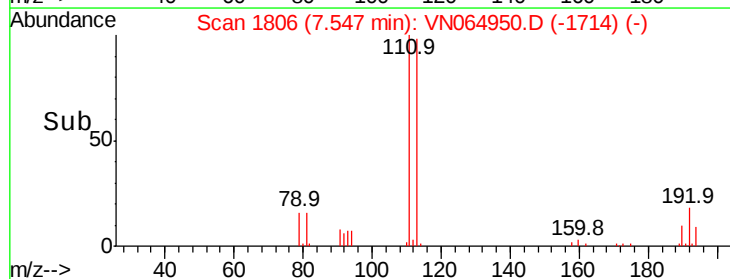
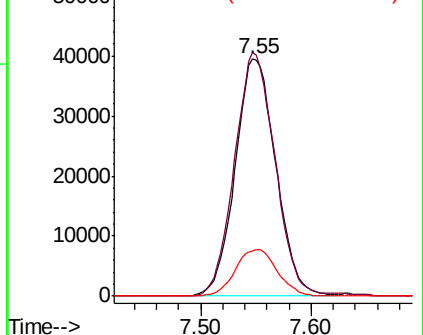


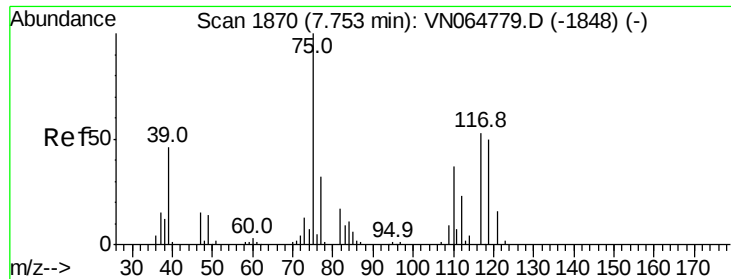
#35
 Dibromofluoromethane
 Concen: 52.946 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN064950.D
 Acq: 7 Dec 2020 17:12

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.6	122.4
192	20.0	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: 4.115 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN064950.D

Acq: 7 Dec 2020 17:12

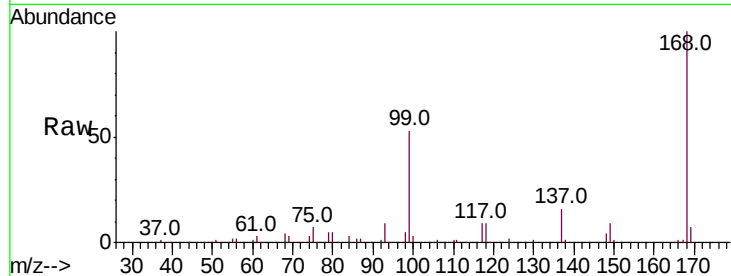
Tot Ion: 75 Resp: 12187

Ion Ratio Lower Upper

75 100

110 9.3 17.8 53.3#

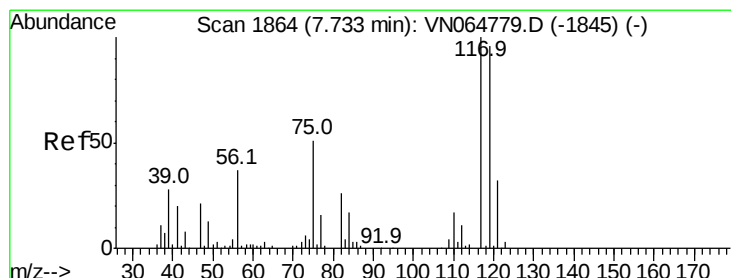
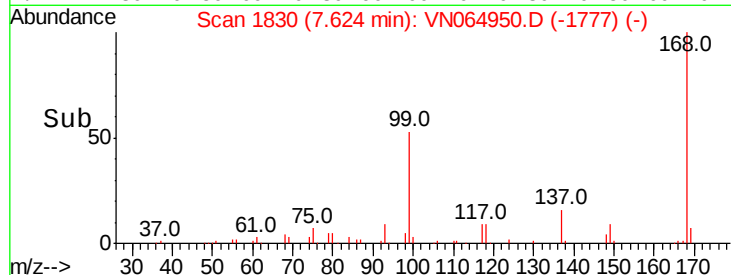
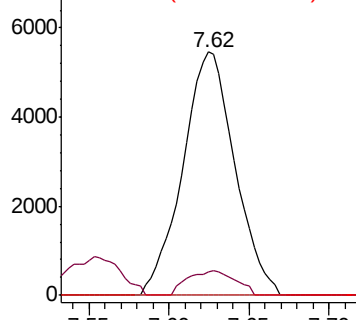
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VN064779.D (-1848) (-)

Ion 109.90 (109.60 to 110.60): VN064779.D (-1848) (-)

Ion 76.90 (76.60 to 77.60): VN064779.D (-1848) (-)



#38

Carbon Tetrachloride

Concen: 5.314 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN064950.D

Acq: 7 Dec 2020 17:12

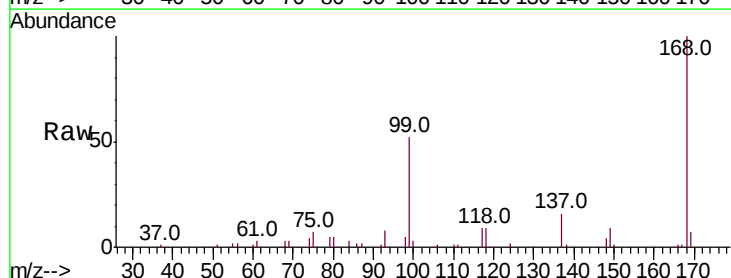
Tgt Ion: 117 Resp: 16374

Ion Ratio Lower Upper

117 100

119 4.6 76.7 115.1#

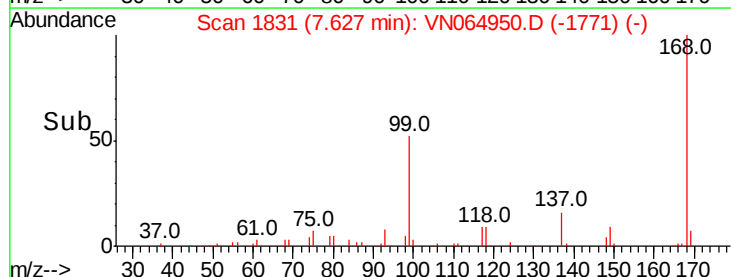
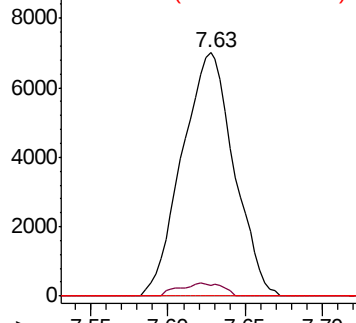
121 0.0 25.4 38.2#

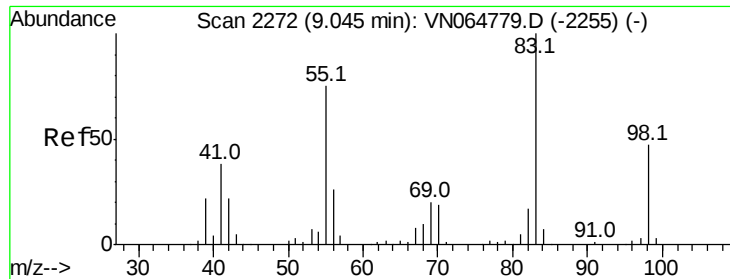


Abundance Ion 116.80 (116.50 to 117.50): VN064779.D (-1845) (-)

Ion 118.80 (118.50 to 119.50): VN064779.D (-1845) (-)

Ion 120.80 (120.50 to 121.50): VN064779.D (-1845) (-)





#39

Methvlcvclohexane

Concen: 0.244 ug/l

RT: 9.04 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VN064950.D

Acq: 7 Dec 2020 17:12

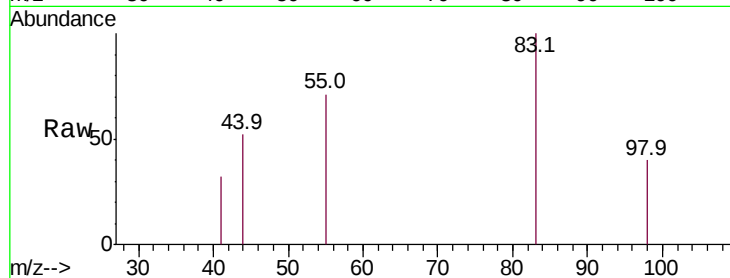
Tot Ion: 83 Resp: 779

Ion Ratio Lower Upper

83 100

55 71.2 60.2 90.2

98 39.7 37.4 56.2

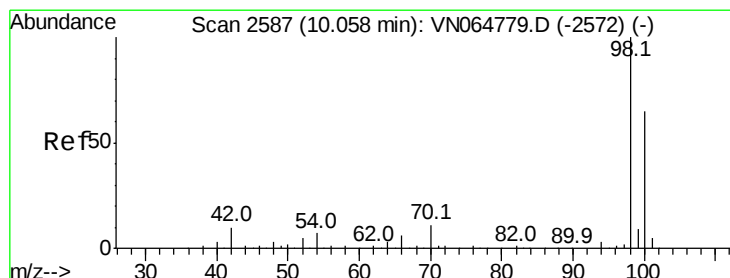
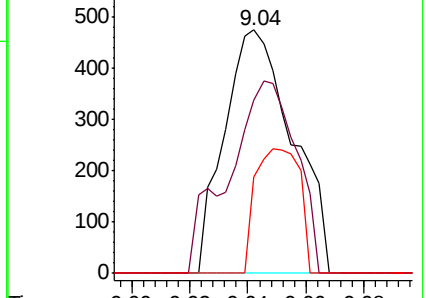
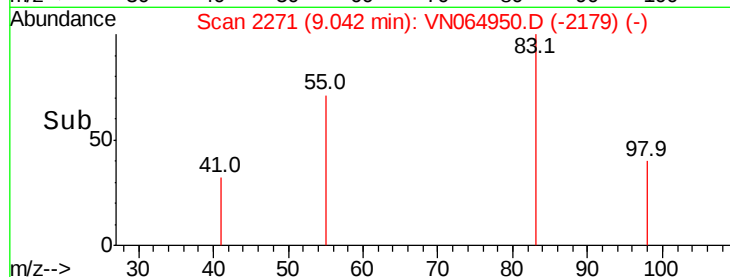


Abundance Ion 83.00 (82.70 to 83.70): VN064950.D (-2255) (-)

Ion 55.00 (54.70 to 55.70): VN064950.D (-2255) (-)

Ion 98.00 (97.70 to 98.70): VN064950.D (-2255) (-)

Time-->



#50

Toluene-d8

Concen: 51.047 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064950.D

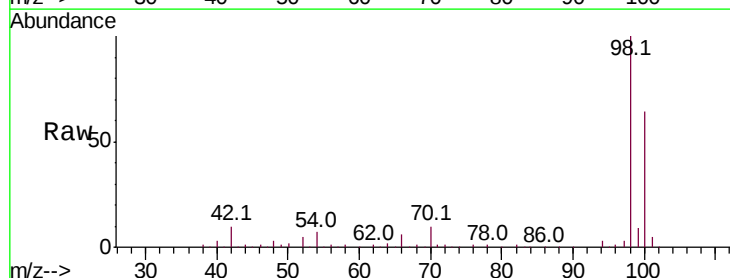
Acq: 7 Dec 2020 17:12

Tgt Ion: 98 Resp: 398744

Ion Ratio Lower Upper

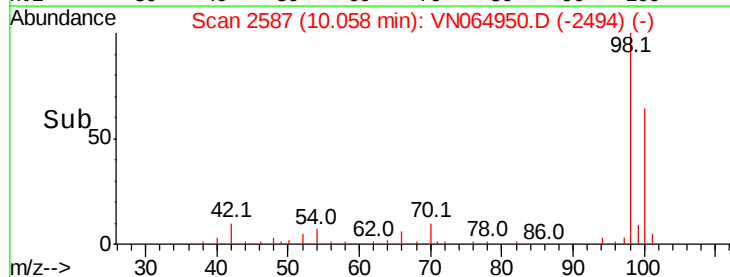
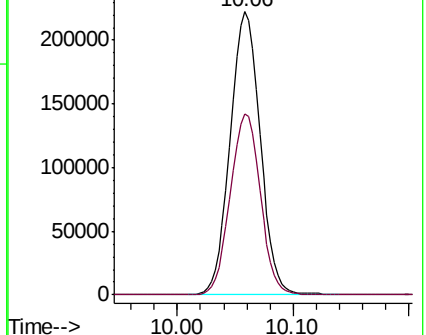
98 100

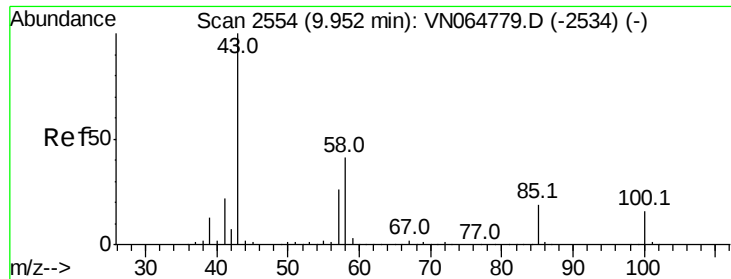
100 64.1 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN064950.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN064950.D (-2572) (-)





#51

4-Methyl-2-Pentanone

Concen: 0.589 ug/l

RT: 10.05 min Scan# 2586

Delta R.T. 0.10 min

Lab File: VN064950.D

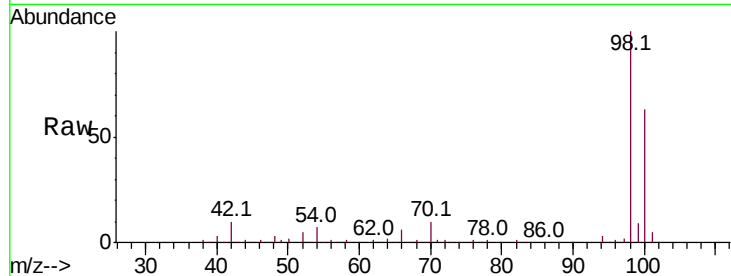
Acq: 7 Dec 2020 17:12

Tot Ion: 43 Resp: 1623

Ion Ratio Lower Upper

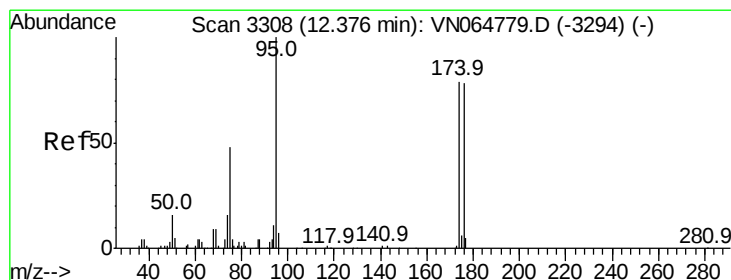
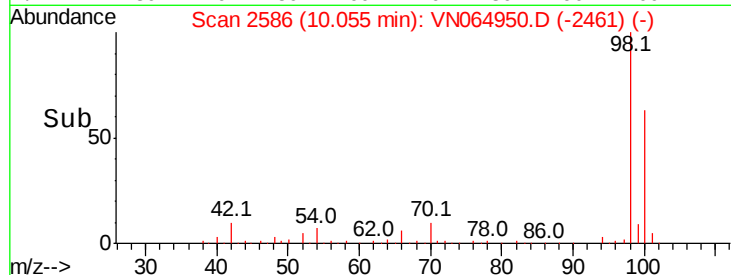
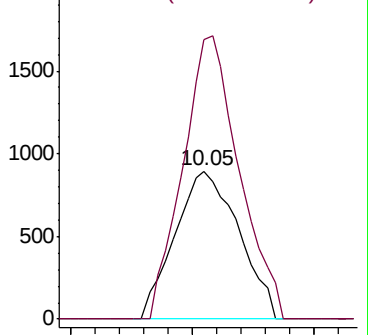
43 100

58 168.3 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VN064950.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN064950.D (-2534) (-)



#62

4-Bromofluorobenzene

Concen: 53.936 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.00 min

Lab File: VN064950.D

Acq: 7 Dec 2020 17:12

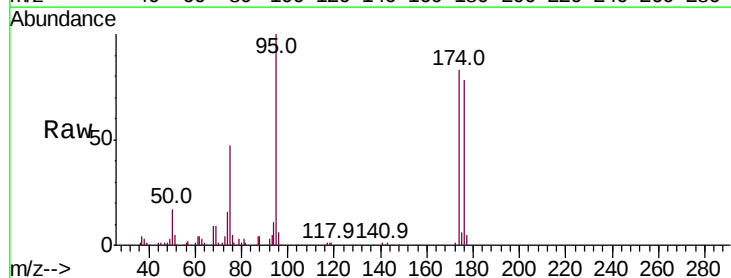
Tgt Ion: 95 Resp: 150780

Ion Ratio Lower Upper

95 100

174 82.5 0.0 160.4

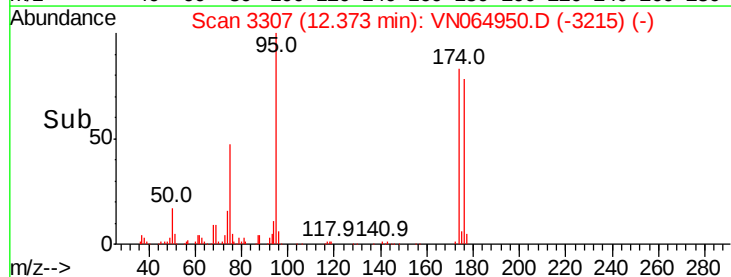
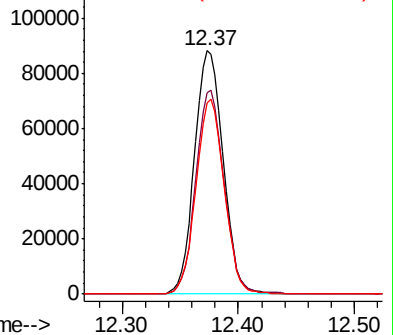
176 78.6 0.0 158.4

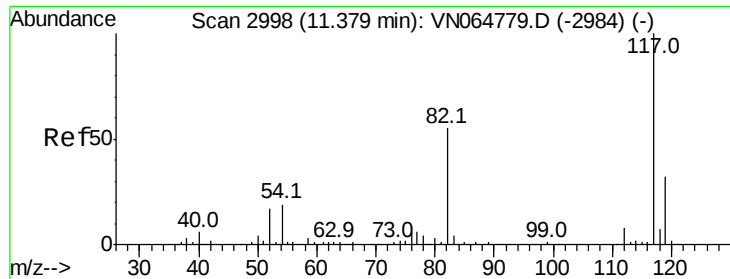


Abundance Ion 94.90 (94.60 to 95.60): VN064950.D (-3215) (-)

Ion 173.80 (173.50 to 174.50): VN064950.D (-3215) (-)

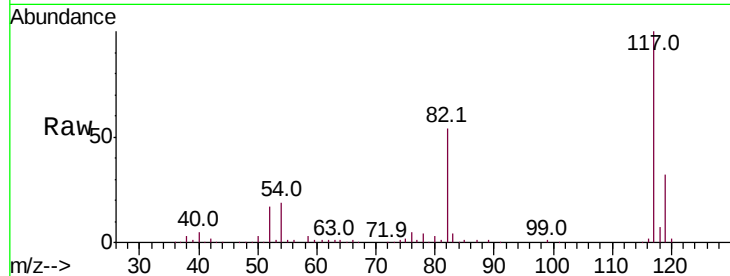
Ion 175.80 (175.50 to 176.50): VN064950.D (-3215) (-)



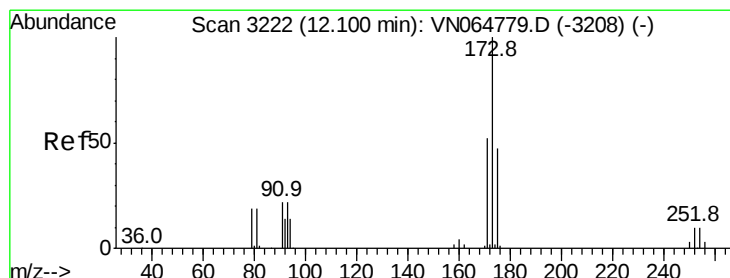
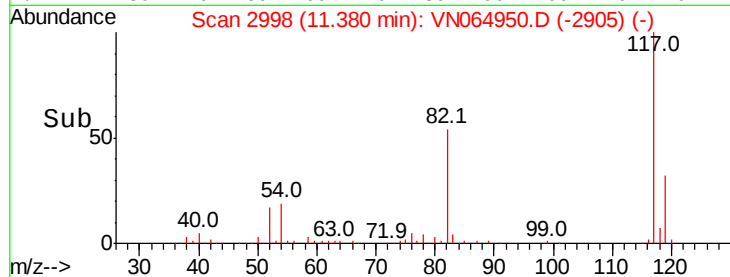
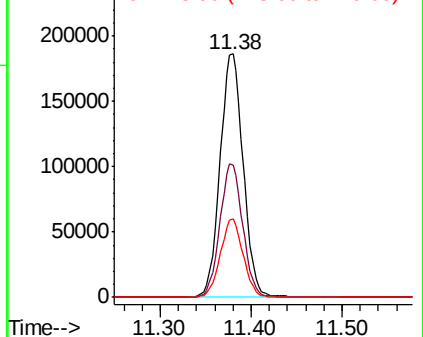


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064950.D
Acq: 7 Dec 2020 17:12

Tot Ion:117 Resp: 328588
Ion Ratio Lower Upper
117 100
82 54.4 44.2 66.2
119 32.2 25.8 38.6

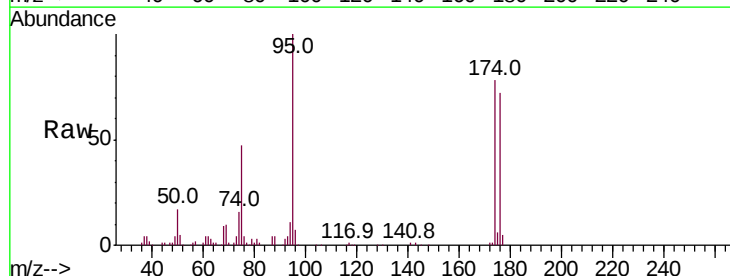


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN0
Ion 118.90 (118.60 to 119.60): V

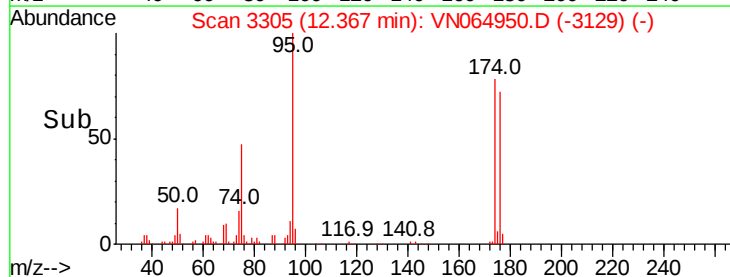
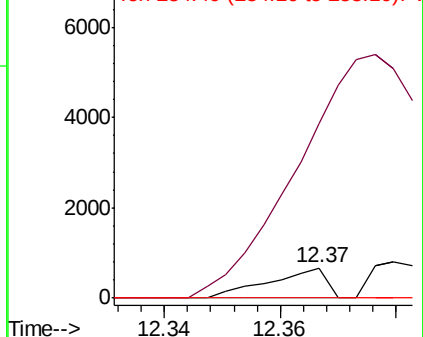


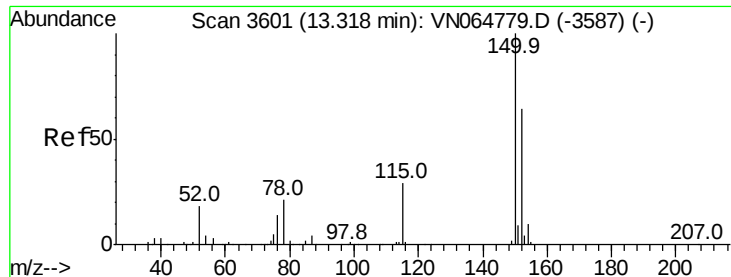
#71
Bromoform
Concen: 0.224 ug/l
RT: 12.37 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN064950.D
Acq: 7 Dec 2020 17:12

Tgt Ion:173 Resp: 463
Ion Ratio Lower Upper
173 100
175 0.0 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

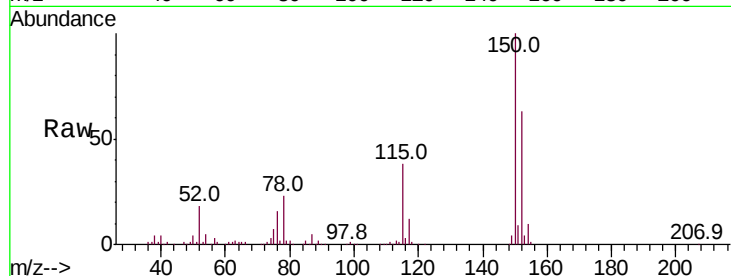




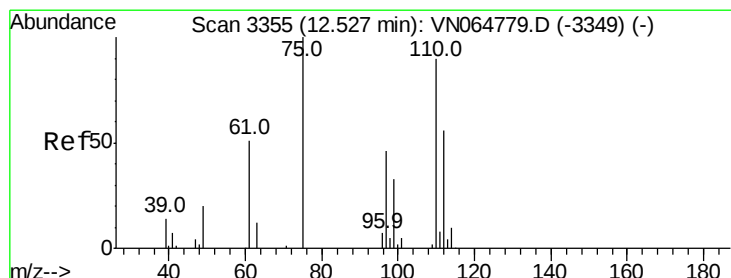
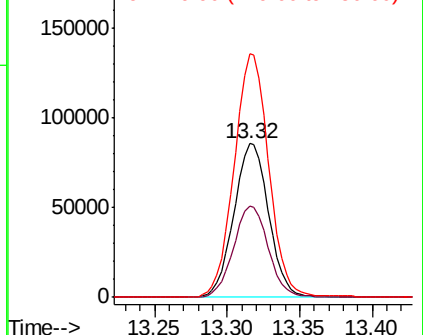
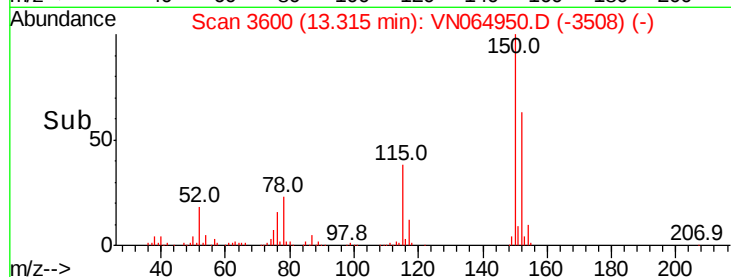
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN064950.D
Acq: 7 Dec 2020 17:12

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.4	29.7	89.1
150	158.1	0.0	350.6



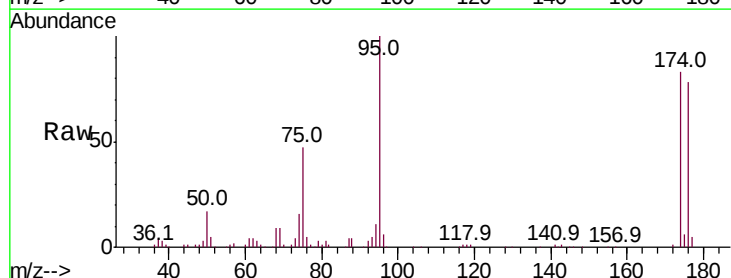
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



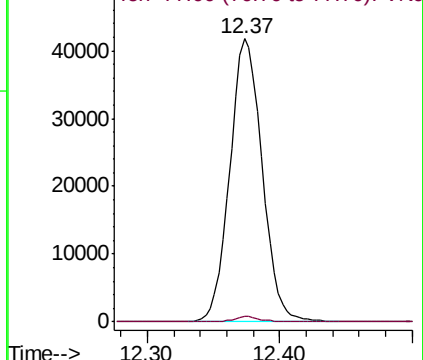
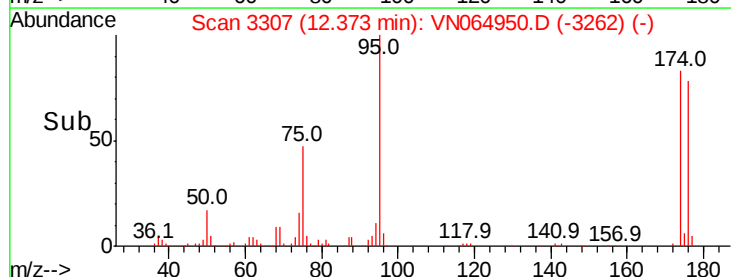
#76

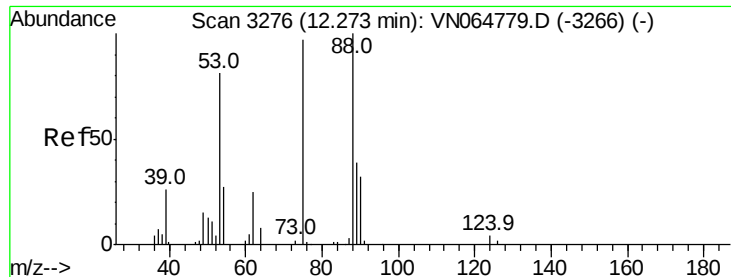
1,2,3-Trichloropropane
Concen: 22.962 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. -0.15 min
Lab File: VN064950.D
Acq: 7 Dec 2020 17:12

Tgt 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: 62.934 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. 0.10 min
 Lab File: VN064950.D
 Acq: 7 Dec 2020 17:12

Tot Ion: 75 Resp: 70759
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.0 100.4#
 89 0.0 39.6 59.4#

