

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120720\
 Data File : VN064953.D
 Acq On : 7 Dec 2020 18:24
 Operator : JC/MD
 Sample : L4962-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 08 07:17:09 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	173863	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	308009	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	321745	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	141903	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	105868	52.38	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	104.76%
35) Dibromofluoromethane	7.55	113	98804	53.61	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	107.22%
50) Toluene-d8	10.06	98	382146	50.75	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.50%
62) 4-Bromofluorobenzene	12.38	95	148818	55.22	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	110.44%

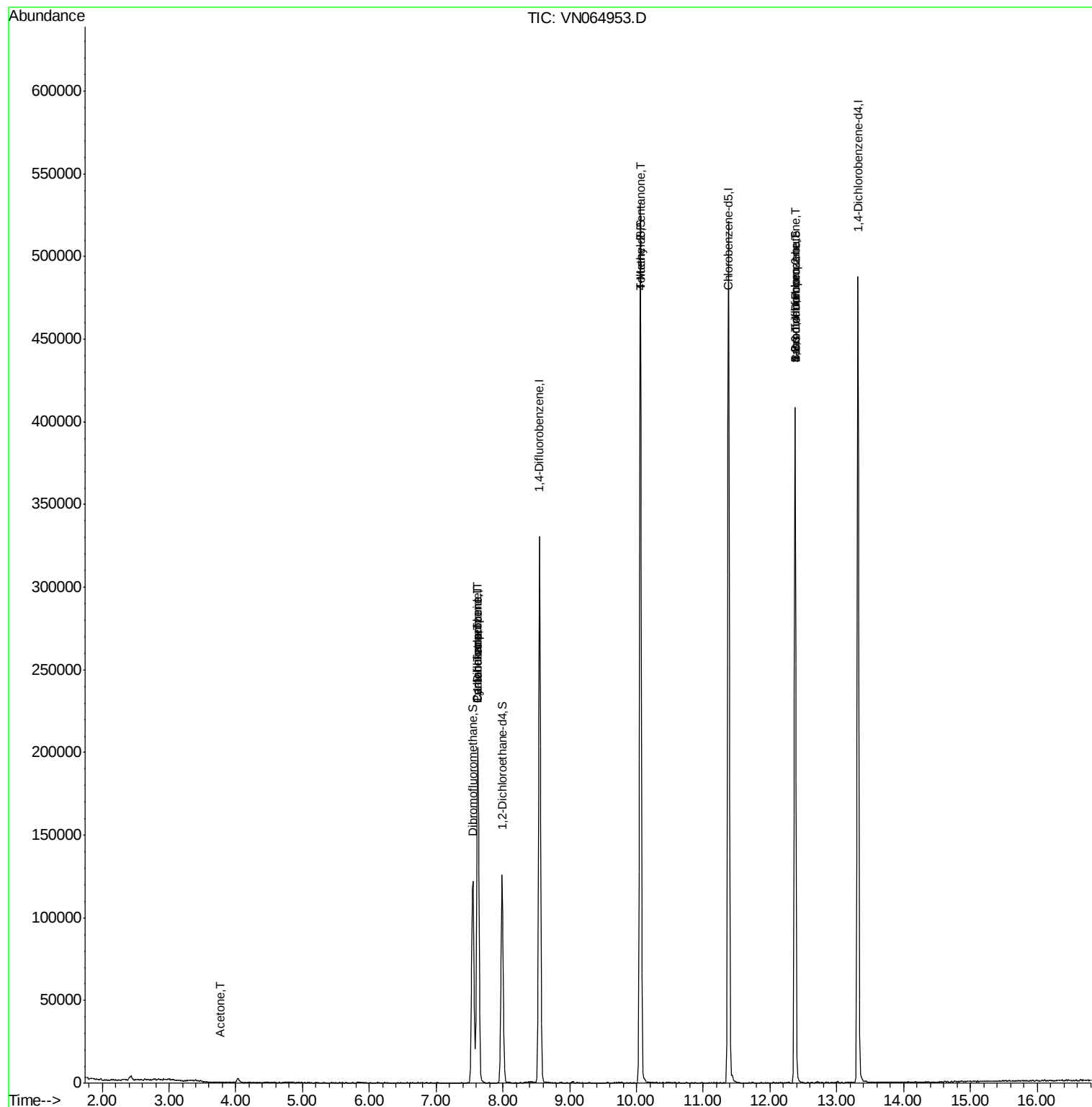
Target Compounds

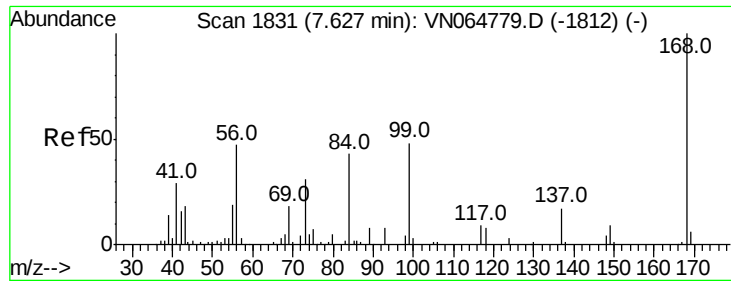
					Qvalue	
16) Acetone	3.77	43	278	0.418	ug/l #	43
31) Cyclohexane	7.63	56	3775	1.340	ug/l #	20
36) 1,1-Dichloropropene	7.63	75	11671	4.088	ug/l #	49
38) Carbon Tetrachloride	7.63	117	15879	5.345	ug/l #	16
51) 4-Methyl-2-Pentanone	10.05	43	1827	0.688	ug/l #	1
71) Bromoform	12.37	173	768	0.379	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	69591	22.772	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	69591	62.412	ug/l #	15

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064953.D

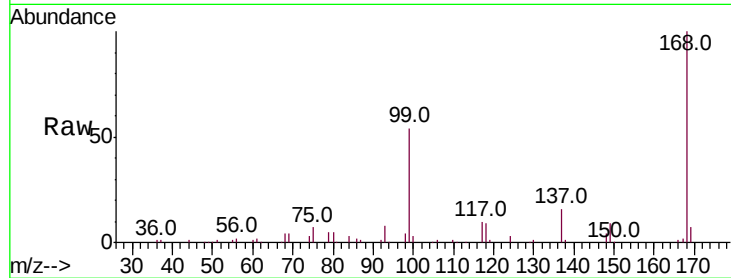
Acq: 7 Dec 2020 18:24

Tot Ion:168 Resp: 173863

Ion Ratio Lower Upper

168 100

99 53.6 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

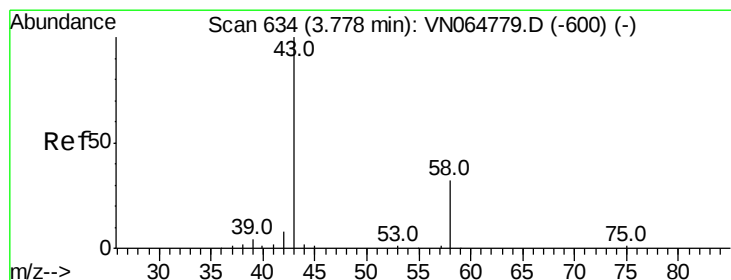
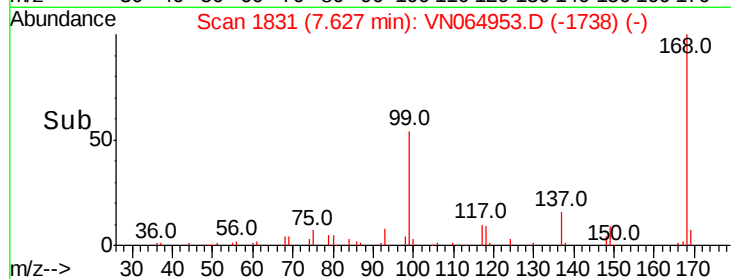
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 0.418 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.01 min

Lab File: VN064953.D

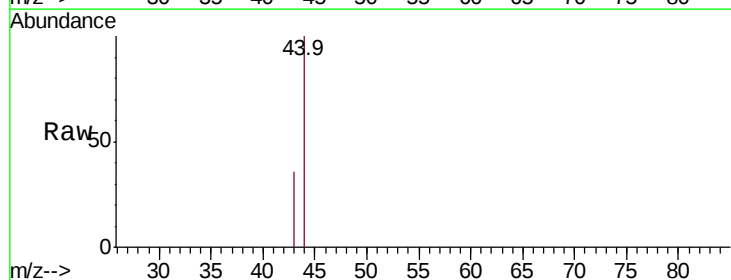
Acq: 7 Dec 2020 18:24

Tgt Ion: 43 Resp: 278

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

200

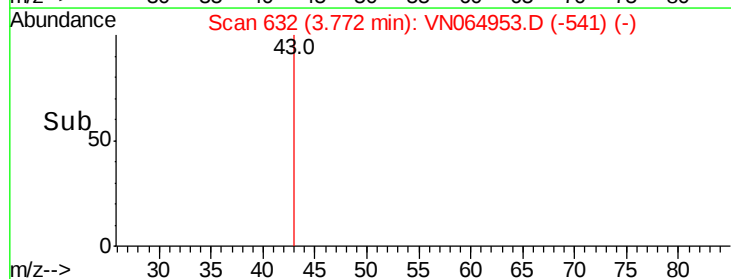
150

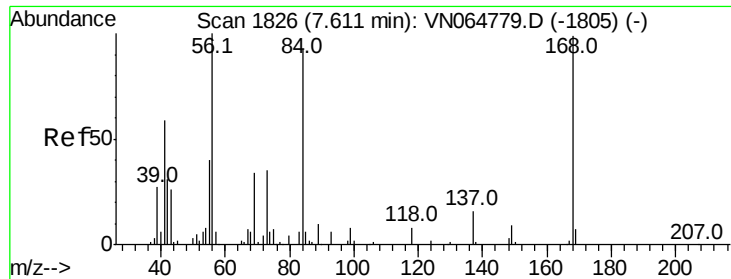
100

50

0

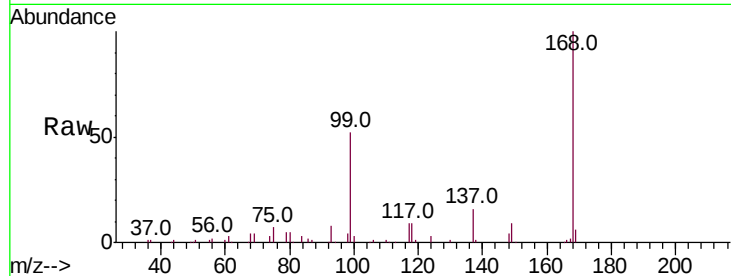
Time--> 3.76 3.78 3.80



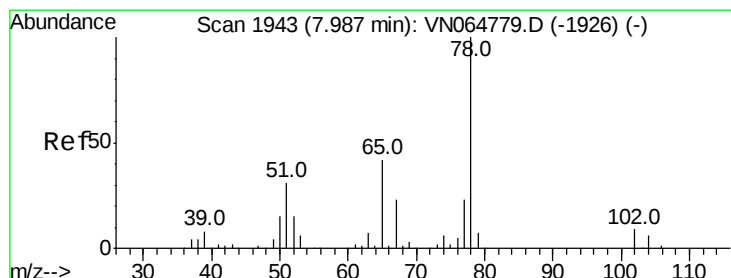
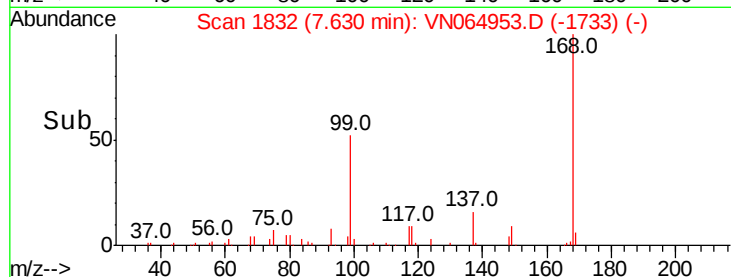
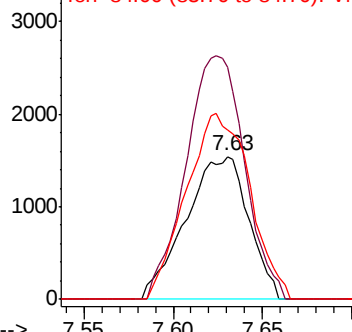


#31
Cyclohexane
Concen: 1.340 ug/l
RT: 7.63 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN064953.D
Acq: 7 Dec 2020 18:24

Tot Ion: 56 Resp: 3775
Ion Ratio Lower Upper
56 100
69 162.4 27.5 41.3#
84 118.4 73.9 110.9#

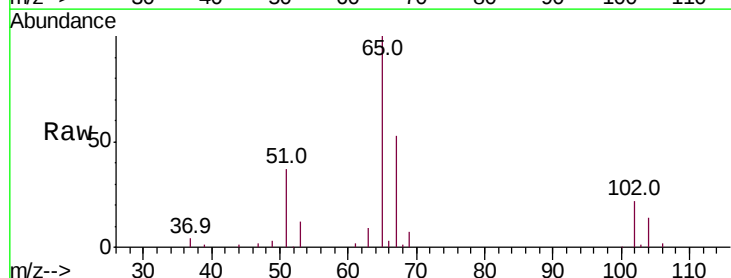


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

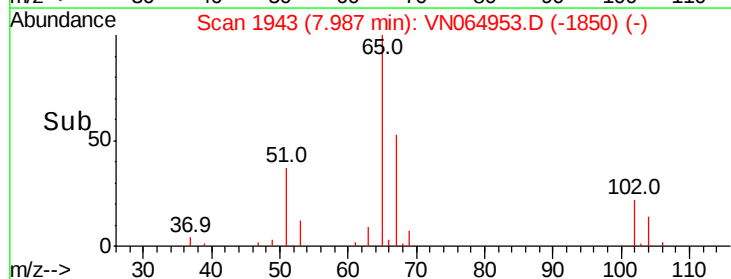
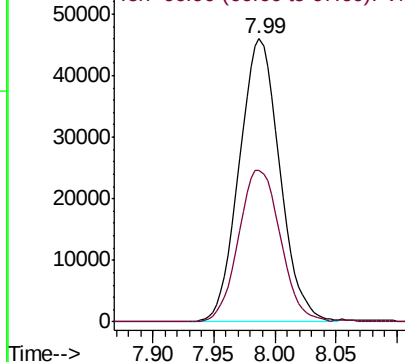


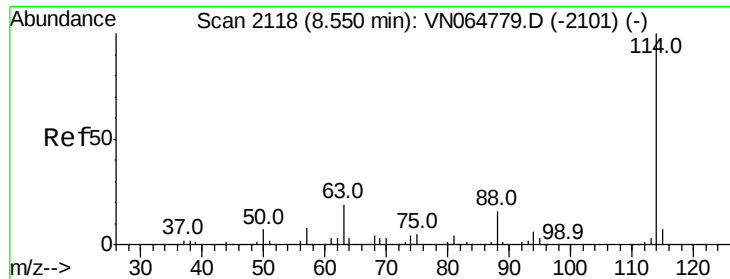
#33
1,2-Dichloroethane-d4
Concen: 52.377 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN064953.D
Acq: 7 Dec 2020 18:24

Tgt Ion: 65 Resp: 105868
Ion Ratio Lower Upper
65 100
67 55.3 0.0 108.2



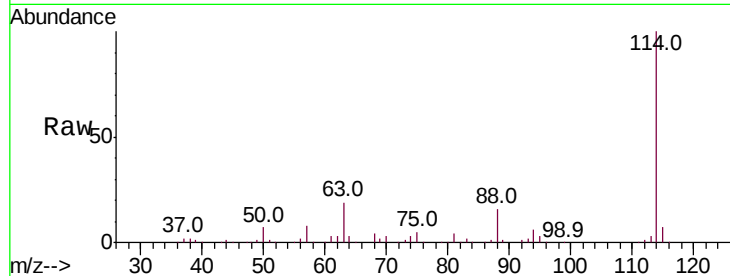
Abundance Ion 64.90 (64.60 to 65.60): VNO
Ion 66.90 (66.60 to 67.60): VNO



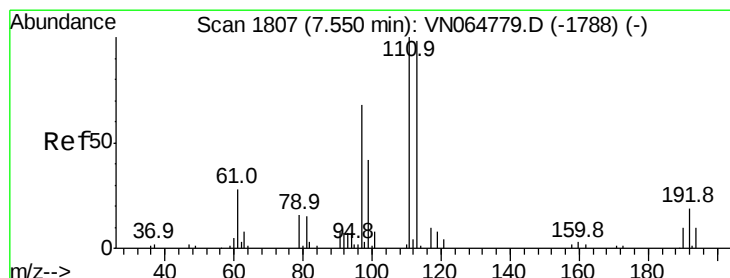
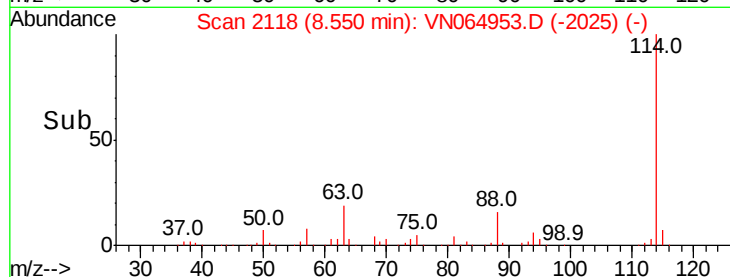
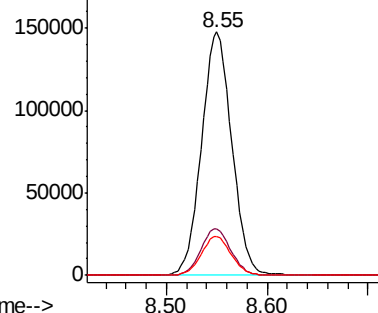


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064953.D
 Acq: 7 Dec 2020 18:24

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	38.6
88	16.0	0.0	32.6

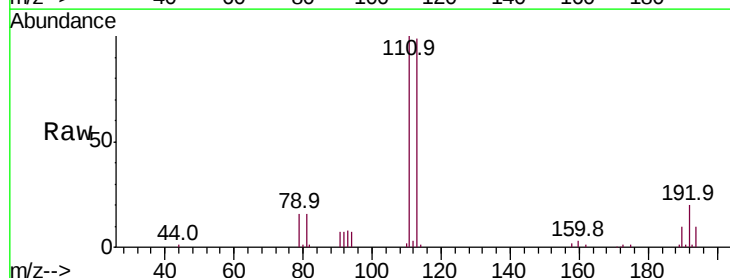


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

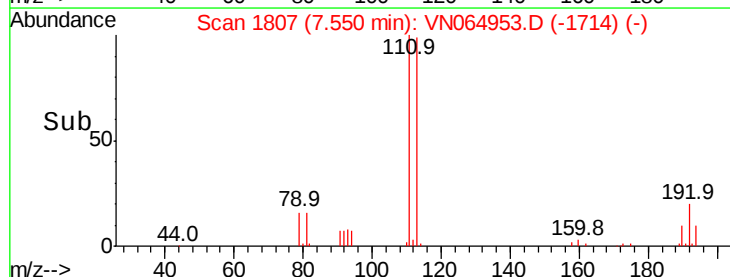
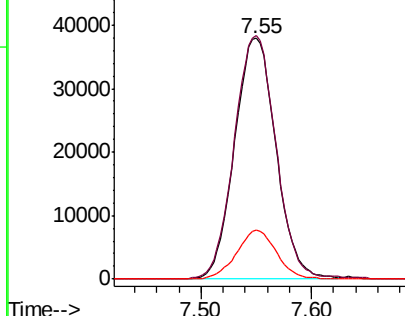


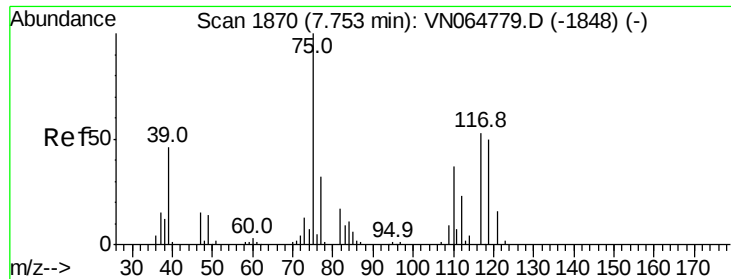
#35
 Dibromofluoromethane
 Concen: 53.610 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064953.D
 Acq: 7 Dec 2020 18:24

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.6	122.4
192	19.5	16.2	24.2



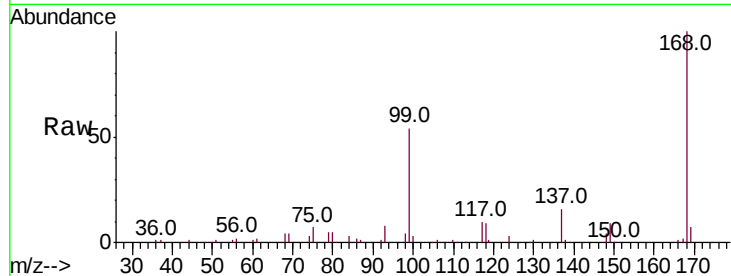
Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V



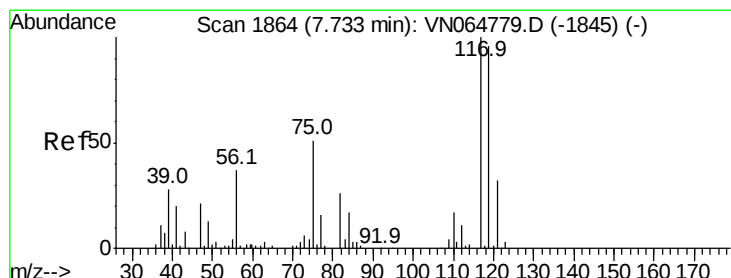
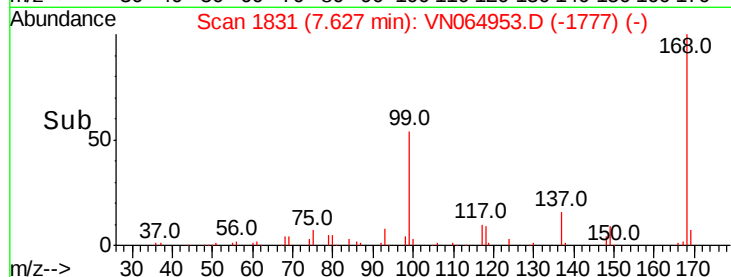
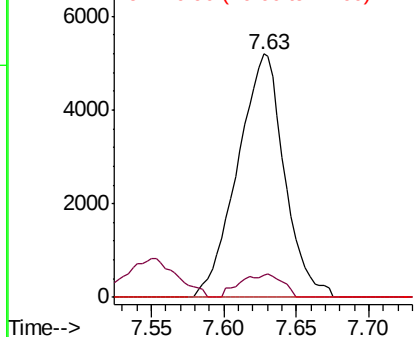


#36
 1,1-Dichloropropene
 Concen: 4.088 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064953.D
 Acq: 7 Dec 2020 18:24

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.5	17.8	53.3#
77	0.0	25.0	37.4#

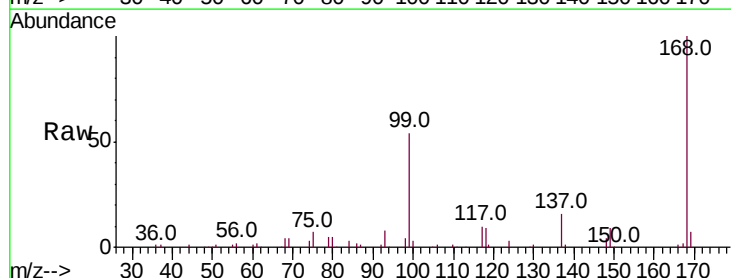


Abundance Ion 74.90 (74.60 to 75.60): VN064779.D (-1848) (-)
 Ion 109.90 (109.60 to 110.60): VN064779.D (-1848) (-)
 Ion 76.90 (76.60 to 77.60): VN064779.D (-1848) (-)

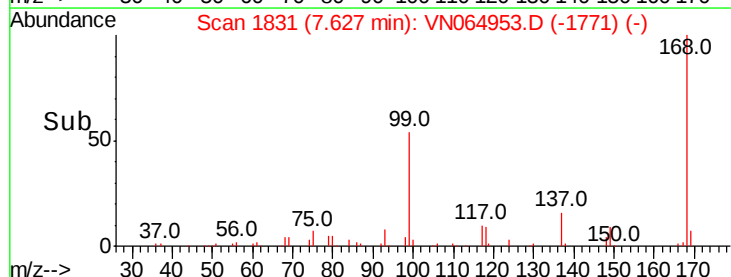
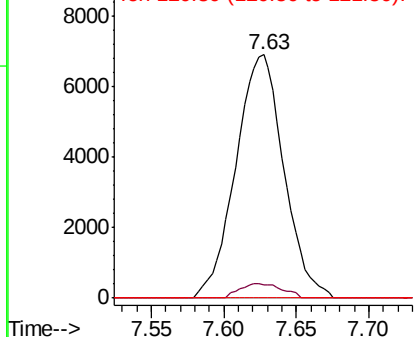


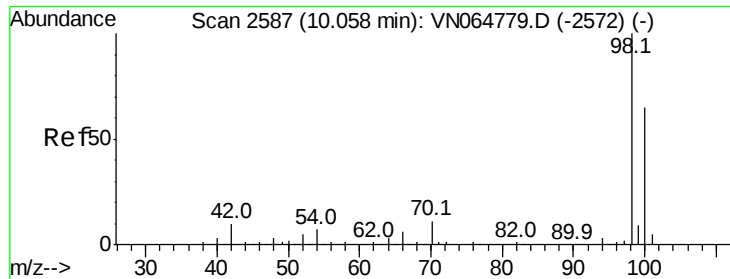
#38
 Carbon Tetrachloride
 Concen: 5.345 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN064953.D
 Acq: 7 Dec 2020 18:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	76.7	115.1#
121	0.0	25.4	38.2#



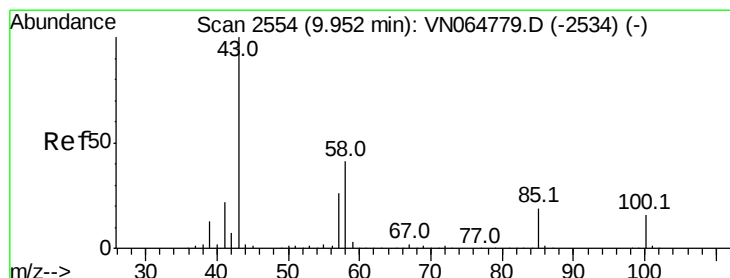
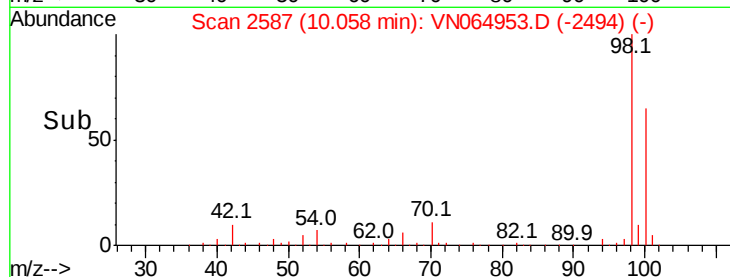
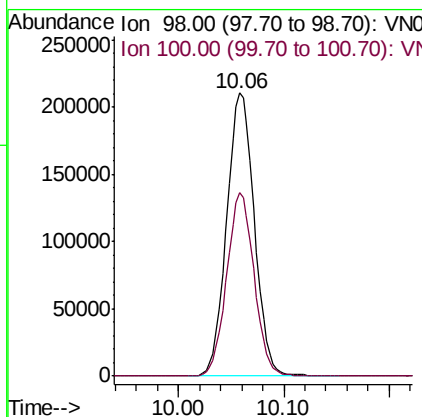
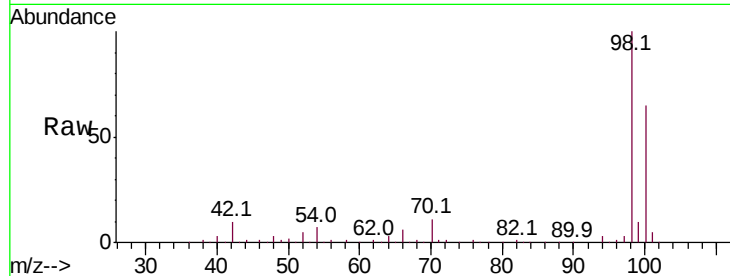
Abundance Ion 116.80 (116.50 to 117.50): VN064779.D (-1845) (-)
 Ion 118.80 (118.50 to 119.50): VN064779.D (-1845) (-)
 Ion 120.80 (120.50 to 121.50): VN064779.D (-1845) (-)





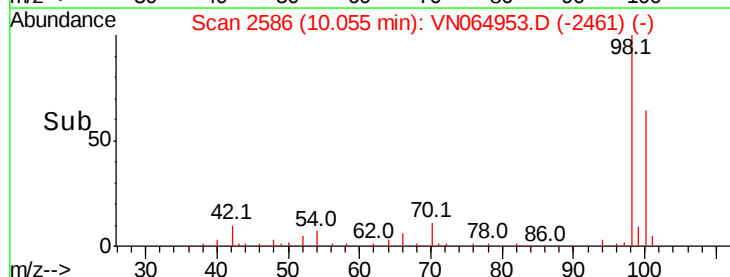
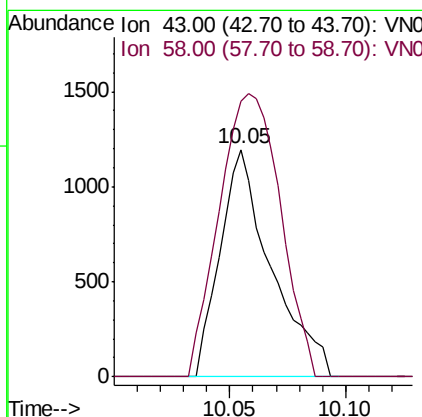
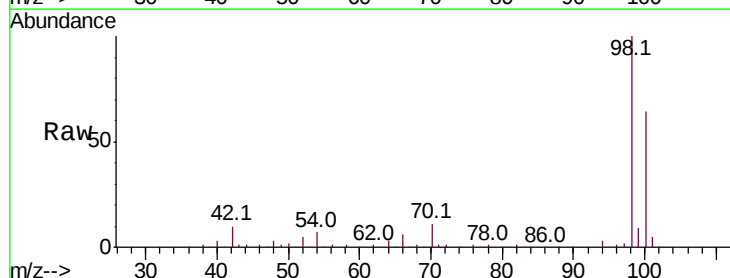
#50
Toluene-d8
Concen: 50.747 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064953.D
Acq: 7 Dec 2020 18:24

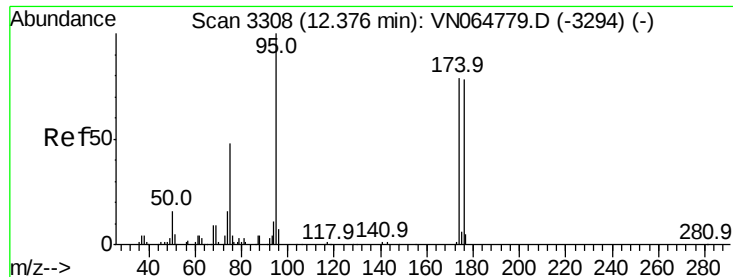
Tot Ion: 98 Resp: 382146
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.688 ug/l
RT: 10.05 min Scan# 2586
Delta R.T. 0.10 min
Lab File: VN064953.D
Acq: 7 Dec 2020 18:24

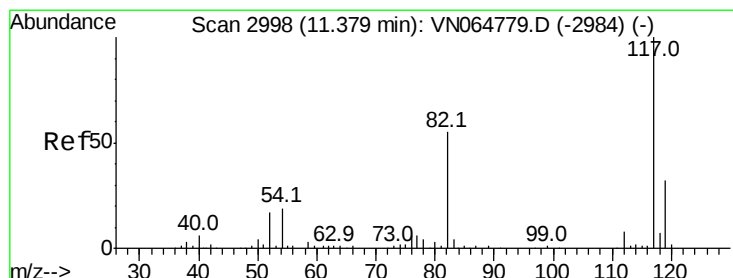
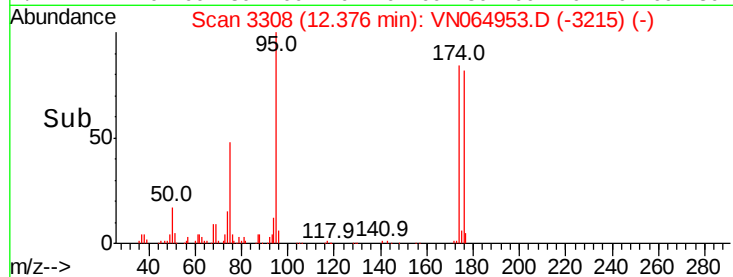
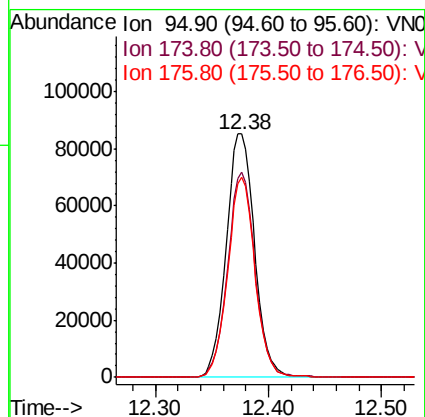
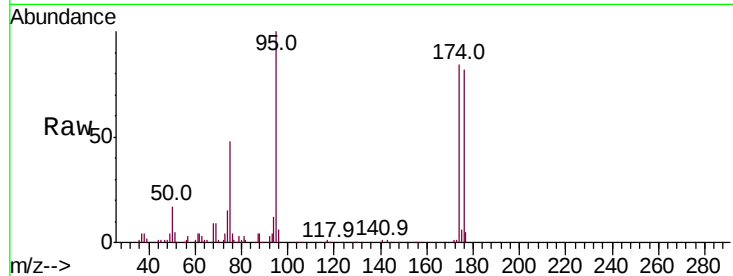
Tgt Ion: 43 Resp: 1827
Ion Ratio Lower Upper
43 100
58 149.4 32.4 48.6#





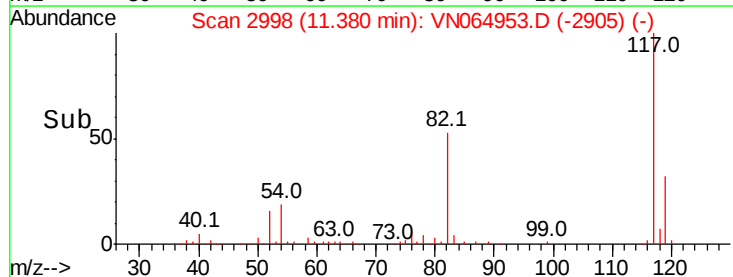
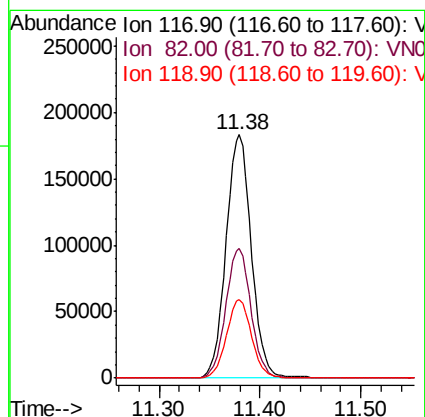
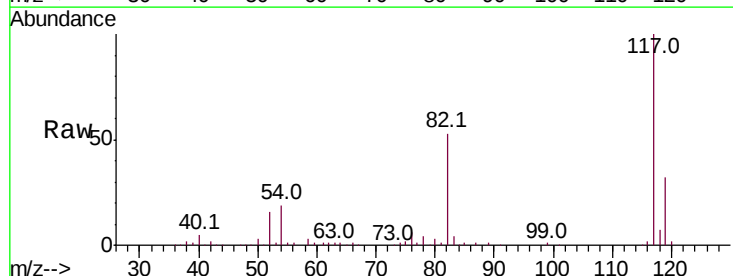
#62
4-Bromofluorobenzene
Concen: 55.220 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064953.D
Acq: 7 Dec 2020 18:24

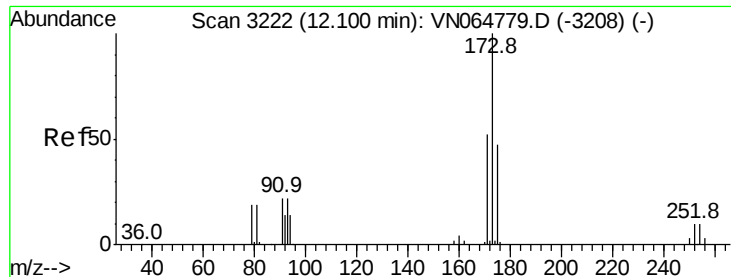
Tot Ion	Ratio	Lower	Upper
95	100		
174	81.5	0.0	160.4
176	78.9	0.0	158.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064953.D
Acq: 7 Dec 2020 18:24

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.3	44.2	66.2
119	32.3	25.8	38.6





#71

Bromoform

Concen: 0.379 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.27 min

Lab File: VN064953.D

Acq: 7 Dec 2020 18:24

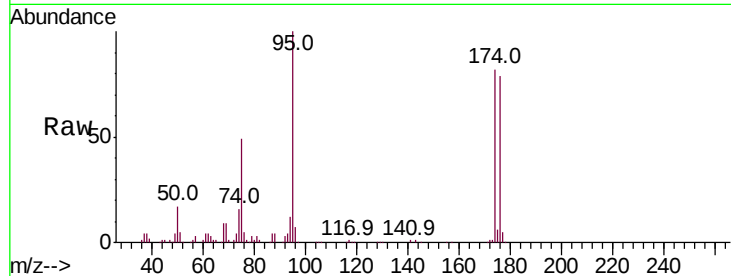
Tot Ion:173 Resp: 768

Ion Ratio Lower Upper

173 100

175 959.0 24.3 72.8#

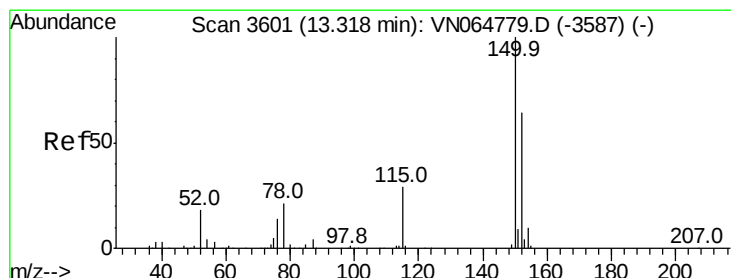
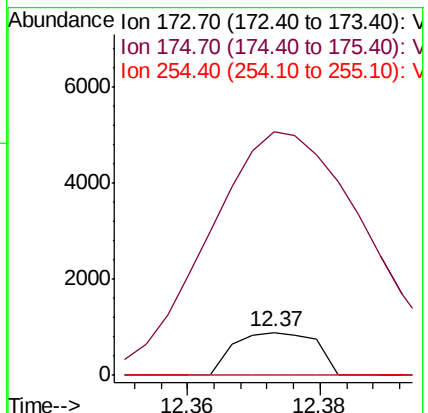
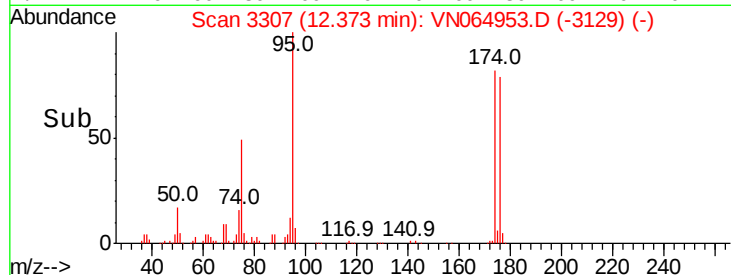
254 0.0 0.0 0.0



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# 3601

Delta R.T. 0.00 min

Lab File: VN064953.D

Acq: 7 Dec 2020 18:24

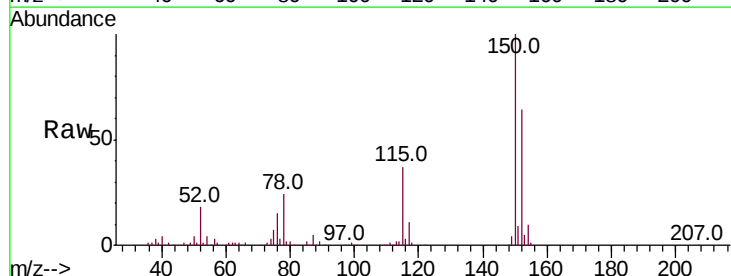
Tgt Ion:152 Resp: 141903

Ion Ratio Lower Upper

152 100

115 58.0 29.7 89.1

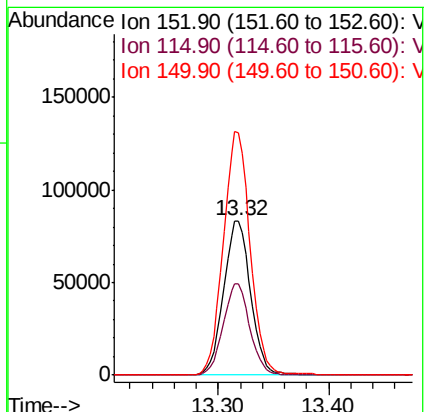
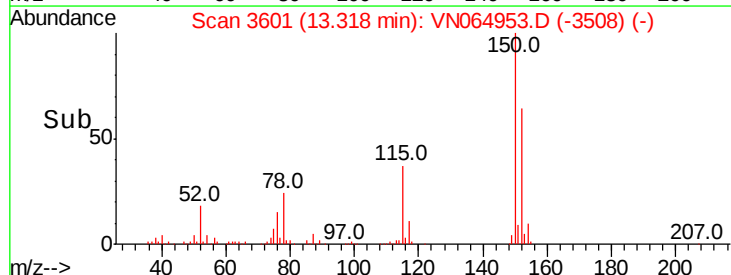
150 156.7 0.0 350.6

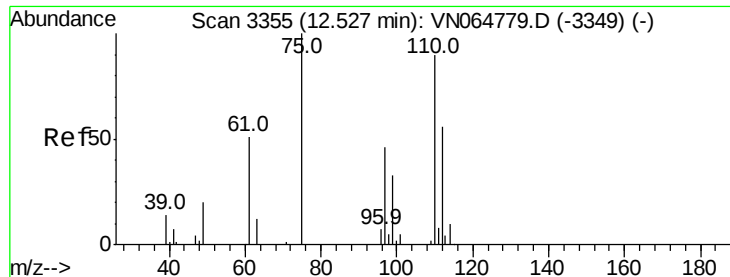


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

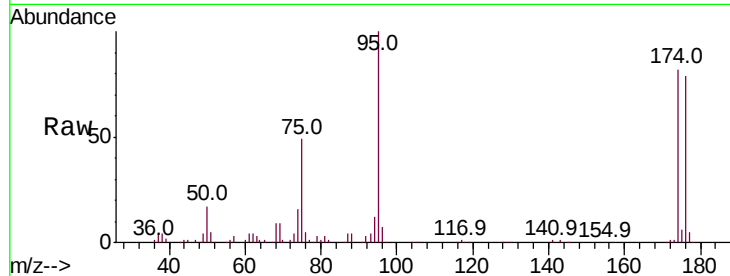




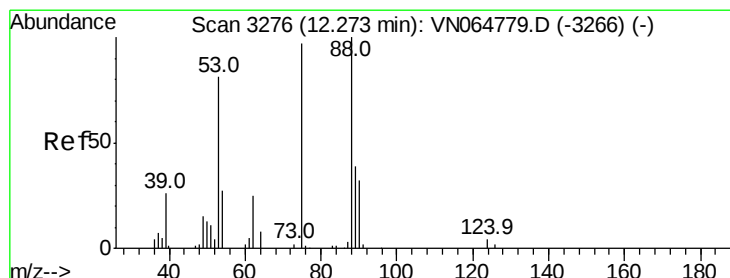
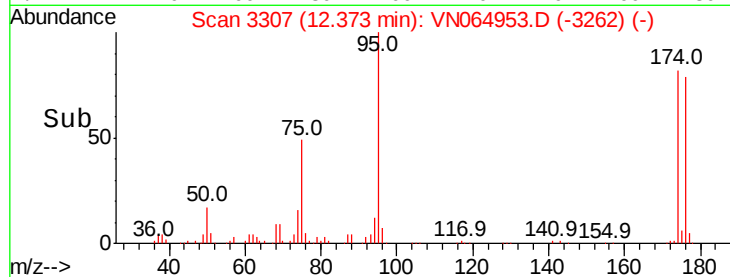
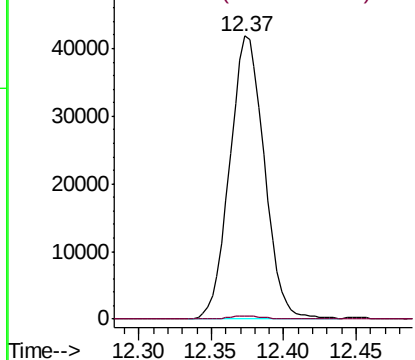
#76

1,2,3-Trichloropropane
Concen: 22.772 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. -0.15 min
Lab File: VN064953.D
Acq: 7 Dec 2020 18:24

Tot Ion: 75 Resp: 69591
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



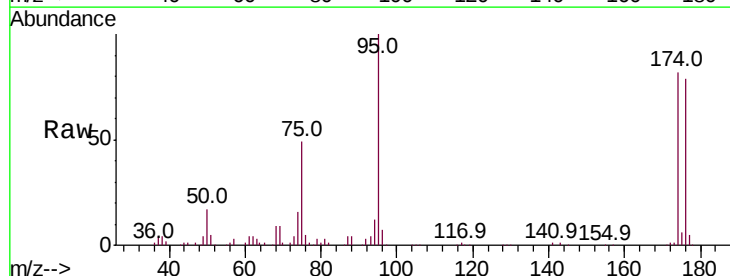
Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene
Concen: 62.412 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. 0.10 min
Lab File: VN064953.D
Acq: 7 Dec 2020 18:24

Tgt Ion: 75 Resp: 69591
Ion Ratio Lower Upper
75 100
53 0.0 67.0 100.4#
89 0.0 39.6 59.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0

