

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120720\
 Data File : VN064954.D
 Acq On : 7 Dec 2020 18:48
 Operator : JC/MD
 Sample : L4962-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 08 07:17:15 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	173102	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	305928	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	313921	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	137116	50.00	ug/l	0.00

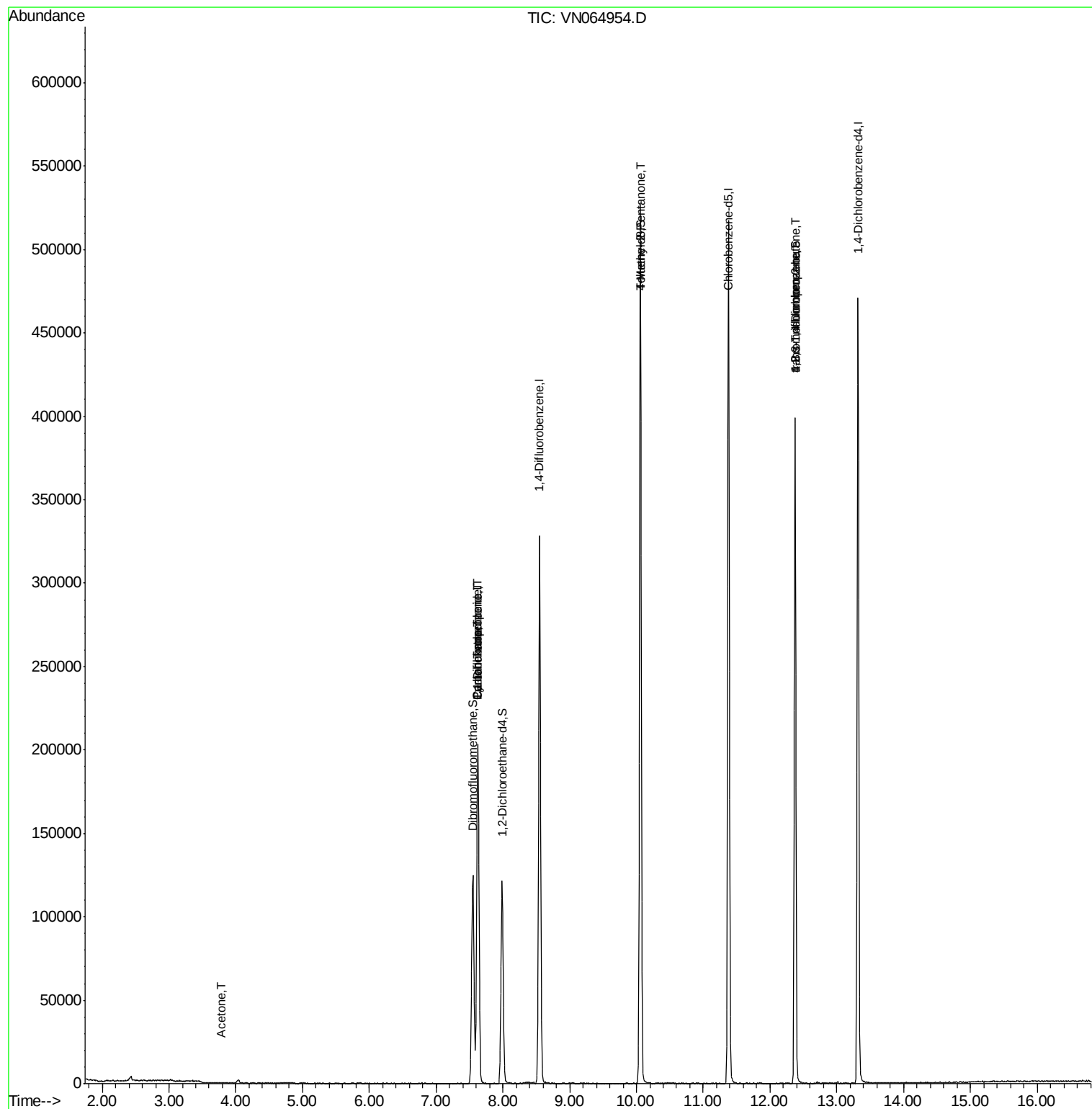
System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4		7.99	65	105621	52.48	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	104.96%	
35) Dibromofluoromethane		7.55	113	96813	52.89	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	105.78%	
50) Toluene-d8		10.06	98	381937	51.06	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.12%	
62) 4-Bromofluorobenzene		12.38	95	144718	54.06	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	108.12%	

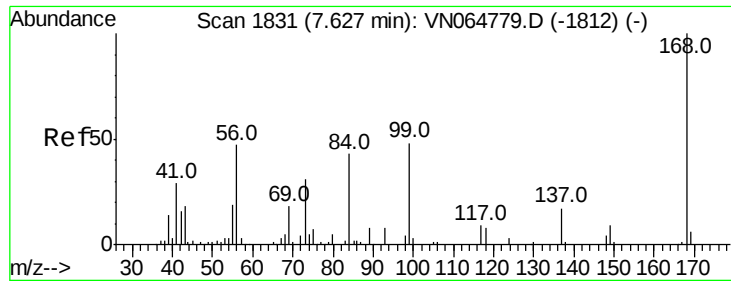
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	168	0.254	ug/l #	43
31) Cyclohexane	7.62	56	3201	1.141	ug/l #	5
36) 1,1-Dichloropropene	7.62	75	12187	4.298	ug/l #	48
38) Carbon Tetrachloride	7.62	117	16404	5.560	ug/l #	15
51) 4-Methyl-2-Pentanone	10.05	43	1547	0.586	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	67709	22.930	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	67709	62.845	ug/l #	15

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

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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: VN064954.D

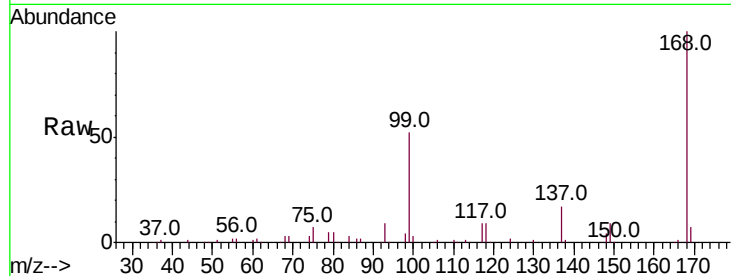
Acq: 7 Dec 2020 18:48

Tot Ion:168 Resp: 173102

Ion Ratio Lower Upper

168 100

99 52.4 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

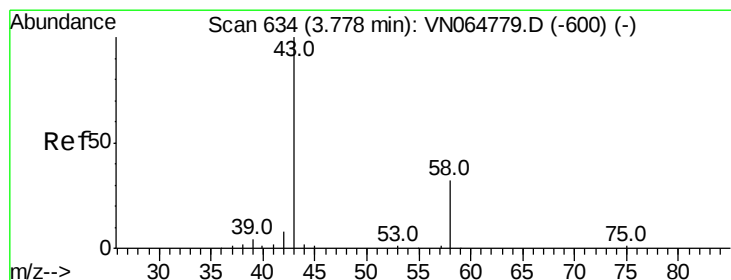
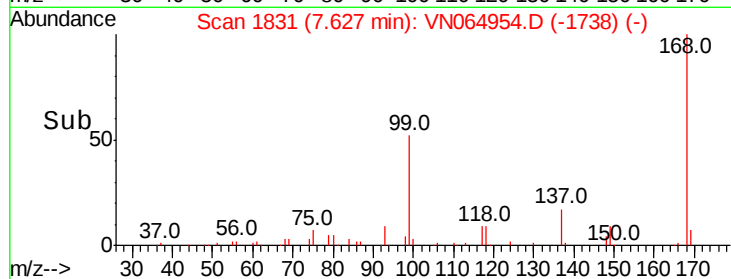
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 0.254 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN064954.D

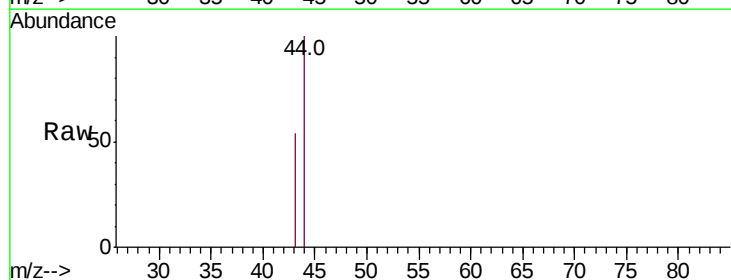
Acq: 7 Dec 2020 18:48

Tgt Ion: 43 Resp: 168

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

3.78

300

250

200

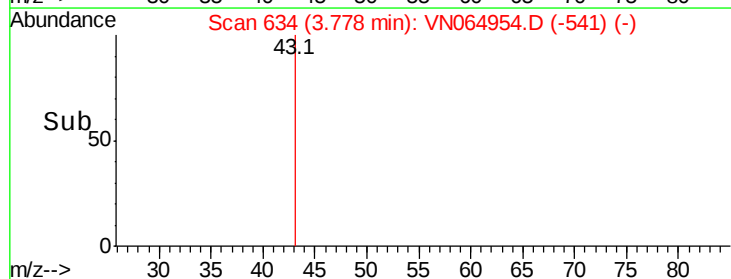
150

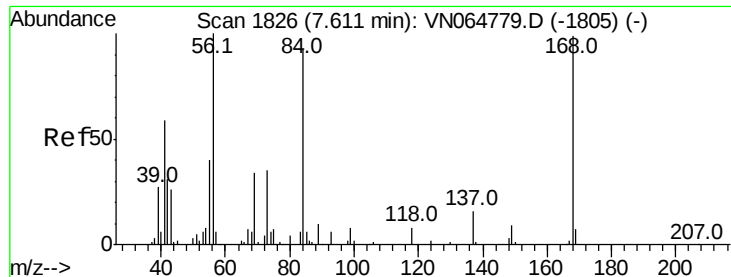
100

50

0

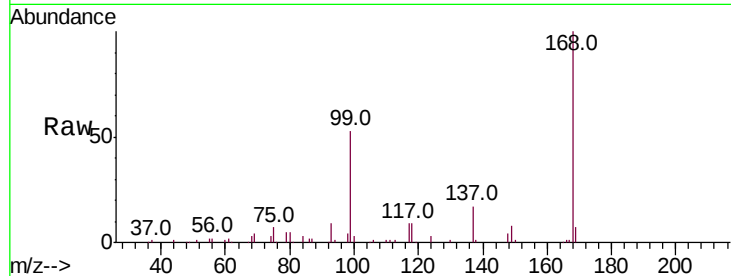
Time--> 3.76 3.77 3.78 3.79



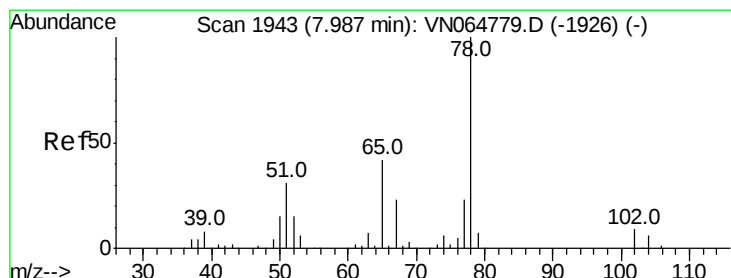
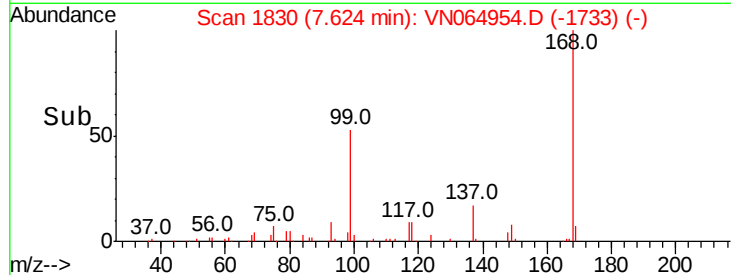
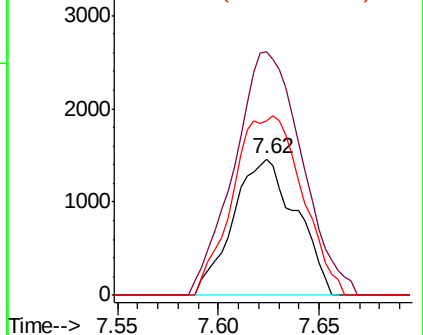


#31
Cyclohexane
Concen: 1.141 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN064954.D
Acq: 7 Dec 2020 18:48

Tot Ion: 56 Resp: 3201
Ion Ratio Lower Upper
56 100
69 178.8 27.5 41.3#
84 128.2 73.9 110.9#

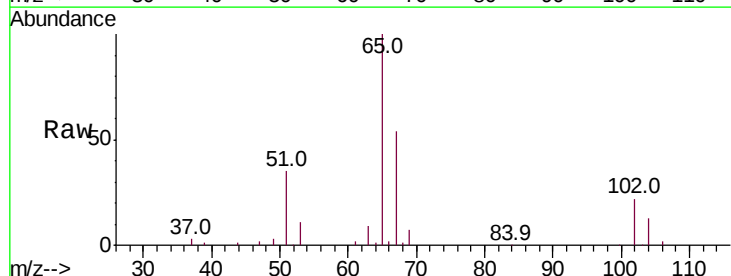


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

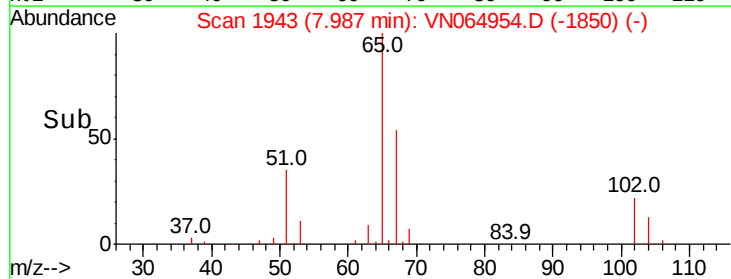
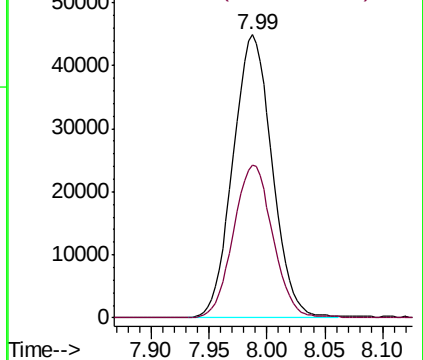


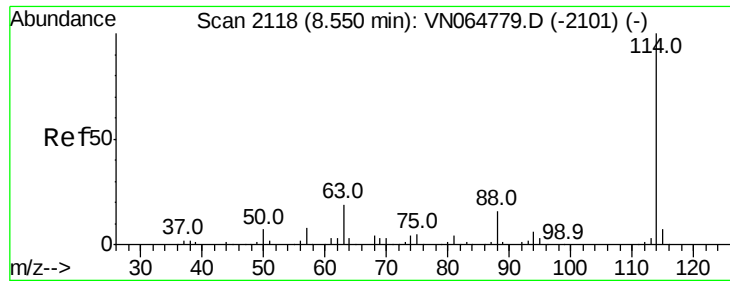
#33
1,2-Dichloroethane-d4
Concen: 52.484 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN064954.D
Acq: 7 Dec 2020 18:48

Tgt Ion: 65 Resp: 105621
Ion Ratio Lower Upper
65 100
67 54.3 0.0 108.2



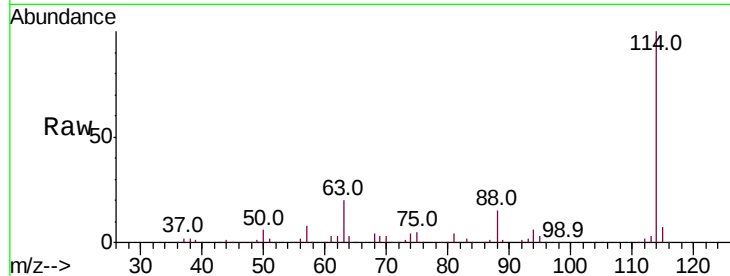
Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0



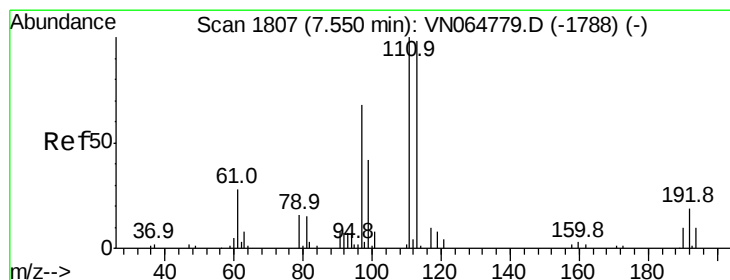
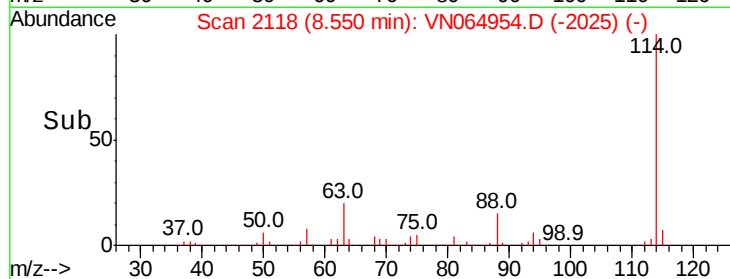
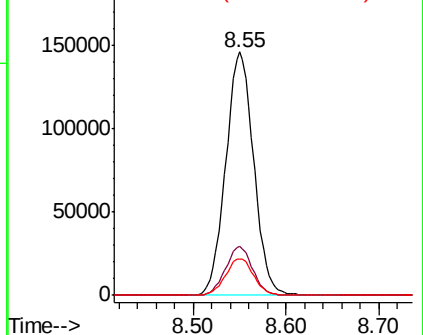


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064954.D
 Acq: 7 Dec 2020 18:48

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	38.6
88	14.9	0.0	32.6

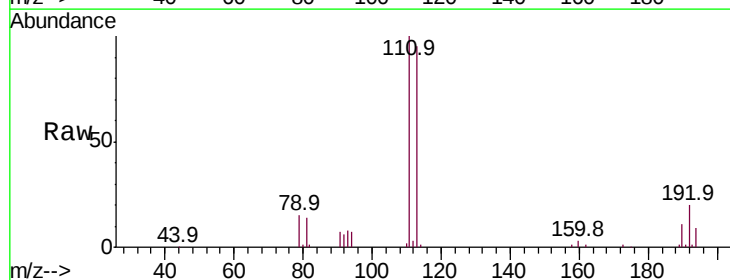


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

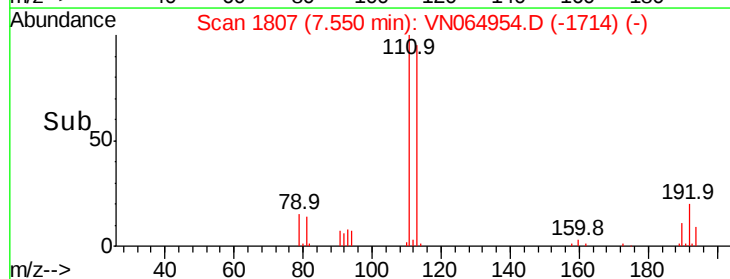
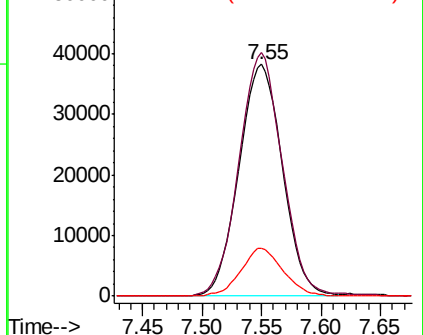


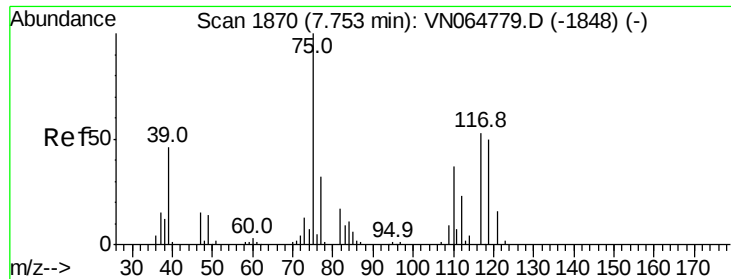
#35
 Dibromofluoromethane
 Concen: 52.887 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064954.D
 Acq: 7 Dec 2020 18:48

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.1	81.6	122.4
192	20.0	16.2	24.2



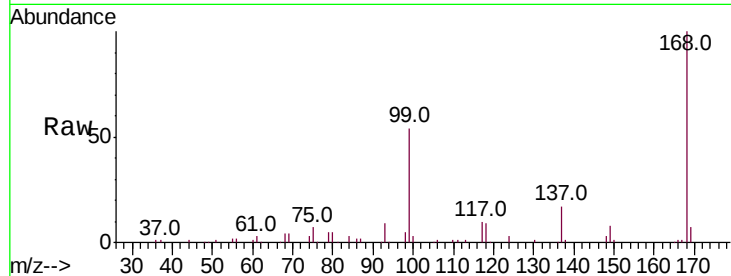
Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V



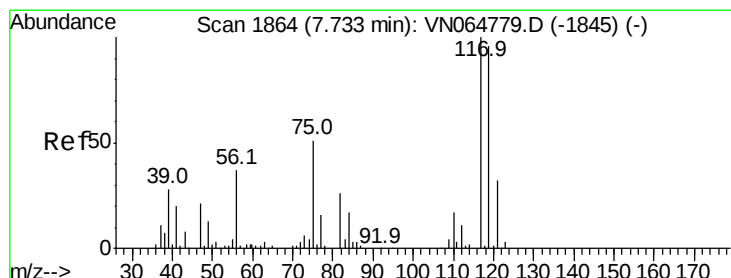
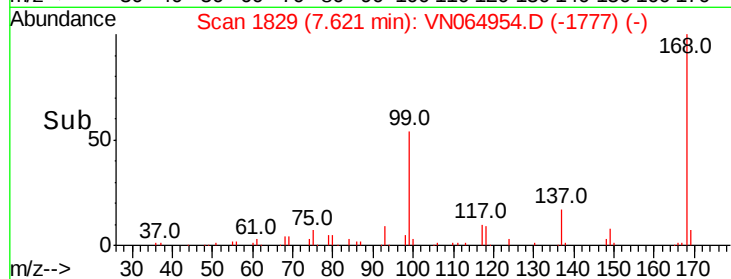
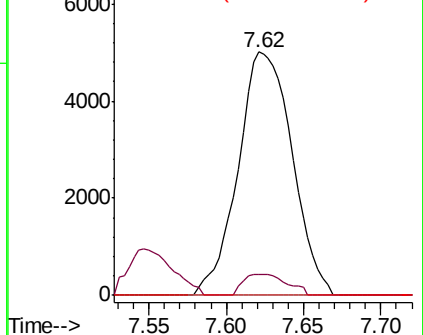


#36
 1,1-Dichloropropene
 Concen: 4.298 ug/l
 RT: 7.62 min Scan# 1829
 Delta R.T. -0.13 min
 Lab File: VN064954.D
 Acq: 7 Dec 2020 18:48

Tot Ion	Ratio	Lower	Upper
75	100		
110	7.0	17.8	53.3#
77	0.0	25.0	37.4#

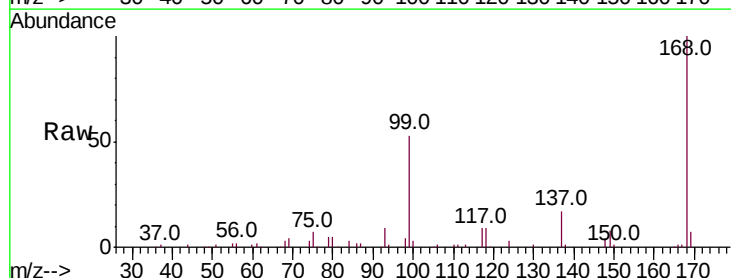


Abundance Ion 74.90 (74.60 to 75.60): VN064779.D (-1848) (-)
 Ion 109.90 (109.60 to 110.60): VN064779.D (-1848) (-)
 Ion 76.90 (76.60 to 77.60): VN064779.D (-1848) (-)

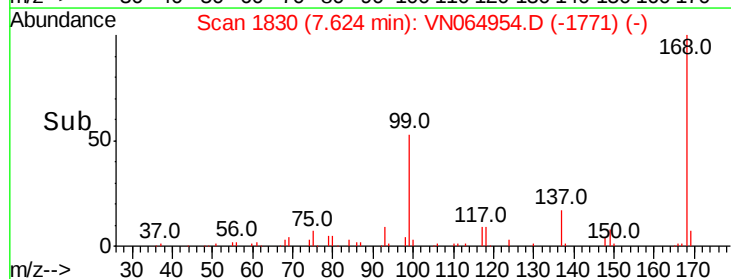
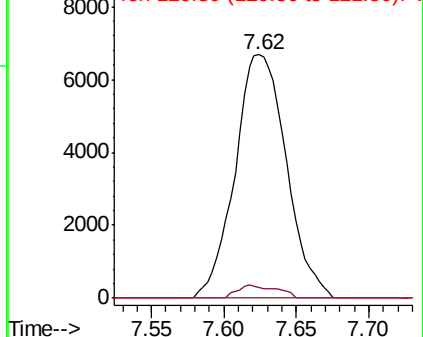


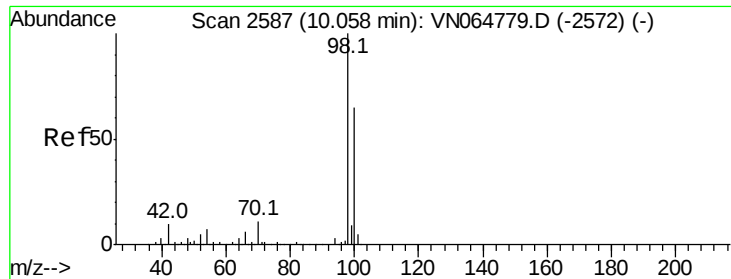
#38
 Carbon Tetrachloride
 Concen: 5.560 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.11 min
 Lab File: VN064954.D
 Acq: 7 Dec 2020 18:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	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: 51.064 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064954.D

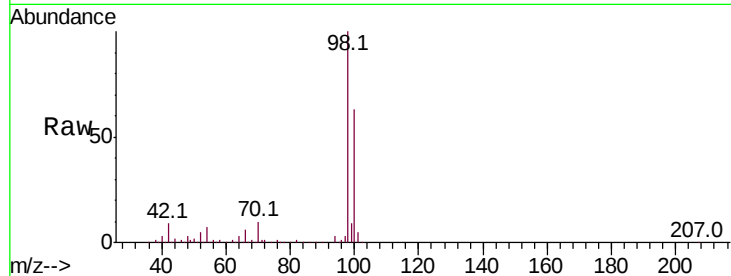
Acq: 7 Dec 2020 18:48

Tot Ion: 98 Resp: 381937

Ion Ratio Lower Upper

98 100

100 63.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN064779.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN064779.D (-2572) (-)

250000

200000

150000

100000

50000

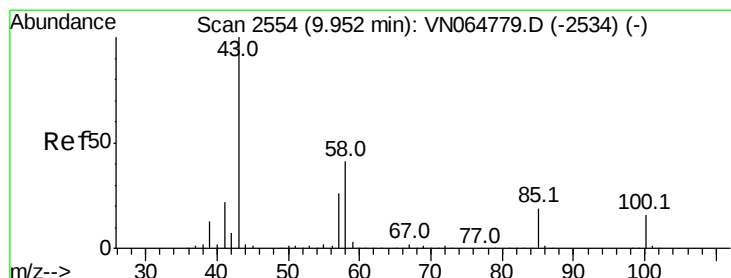
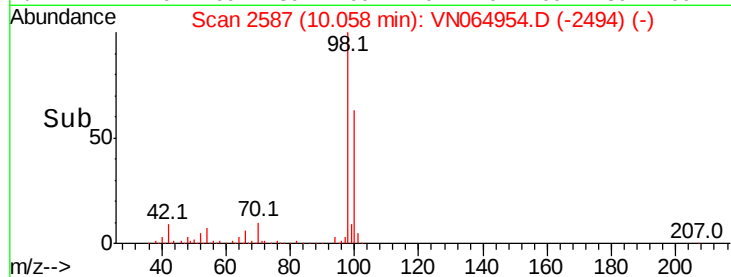
0

10.00

10.05

10.10

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.586 ug/l

RT: 10.05 min Scan# 2585

Delta R.T. 0.10 min

Lab File: VN064954.D

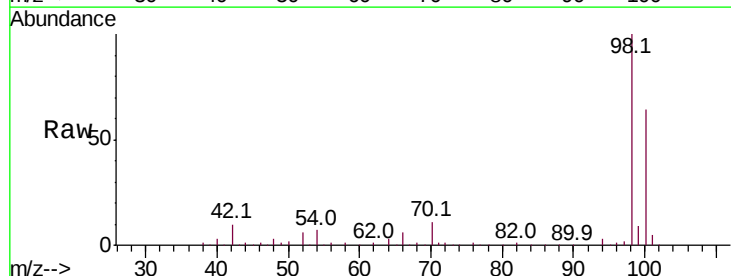
Acq: 7 Dec 2020 18:48

Tgt Ion: 43 Resp: 1547

Ion Ratio Lower Upper

43 100

58 167.9 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN064779.D (-2534) (-)

1500

1000

500

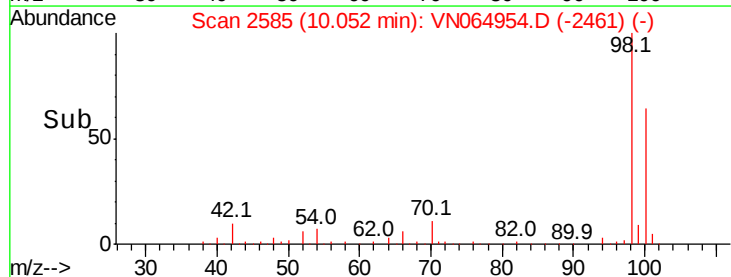
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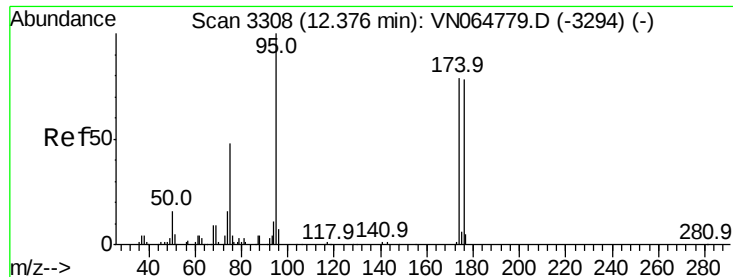
10.00

10.05

10.10

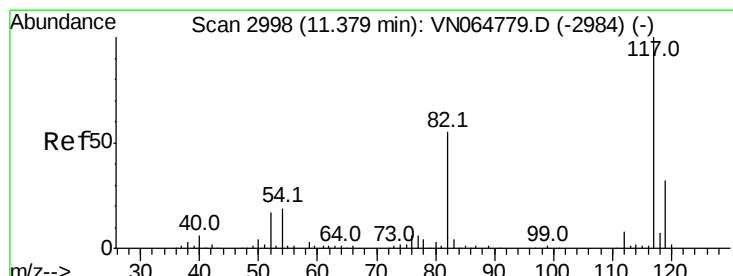
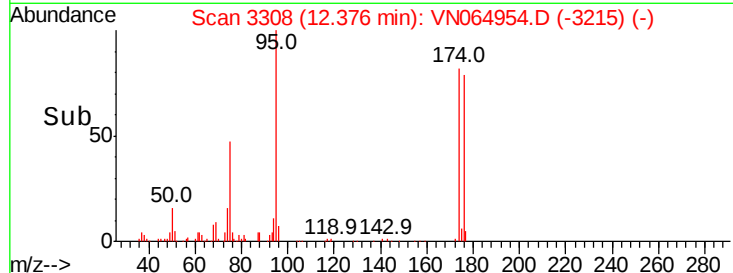
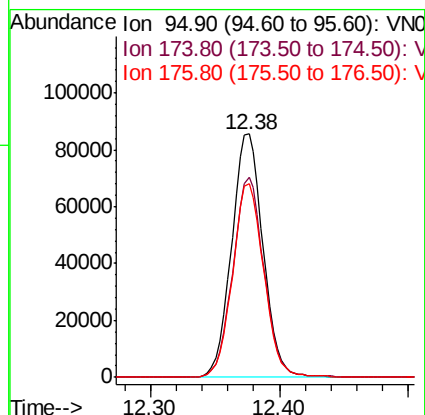
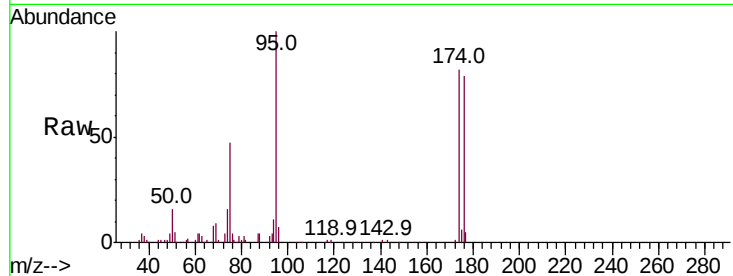
Time-->





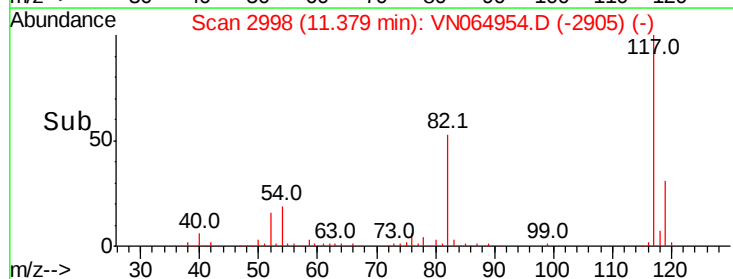
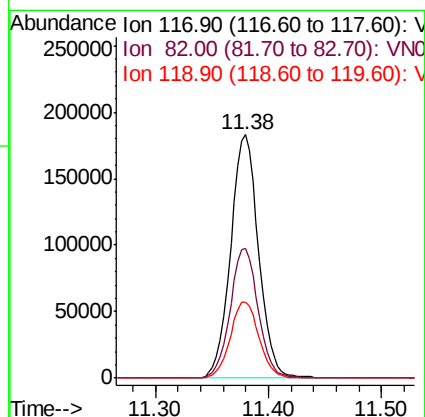
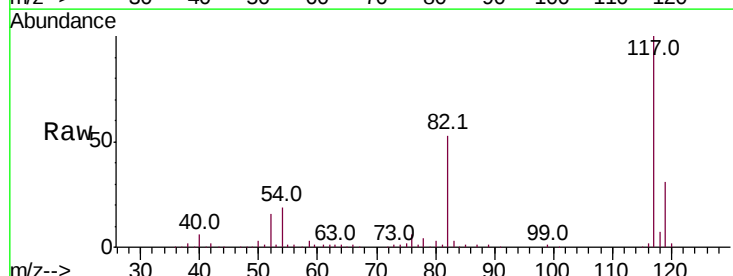
#62
4-Bromofluorobenzene
Concen: 54.064 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064954.D
Acq: 7 Dec 2020 18:48

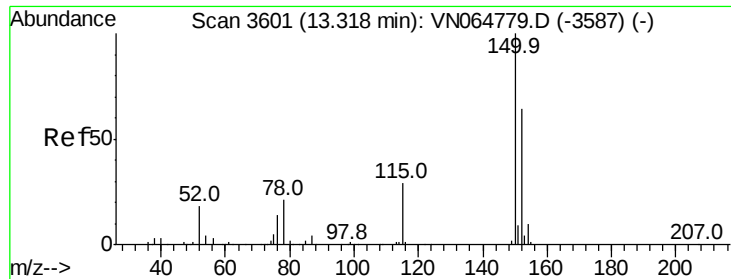
Tot Ion: 95 Resp: 144718
Ion Ratio Lower Upper
95 100
174 81.5 0.0 160.4
176 78.8 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064954.D
Acq: 7 Dec 2020 18:48

Tgt Ion: 117 Resp: 313921
Ion Ratio Lower Upper
117 100
82 53.1 44.2 66.2
119 31.4 25.8 38.6

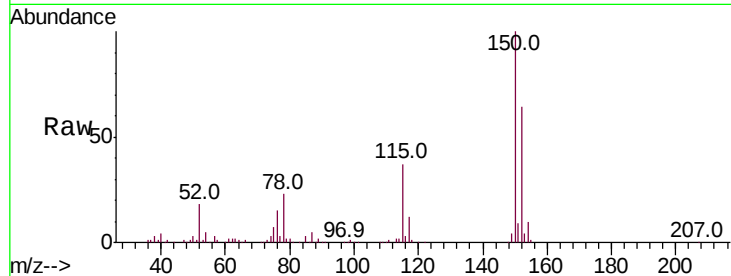




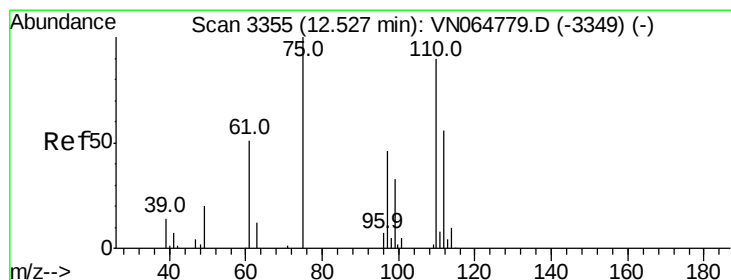
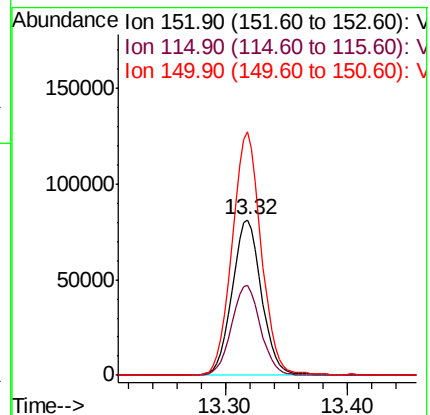
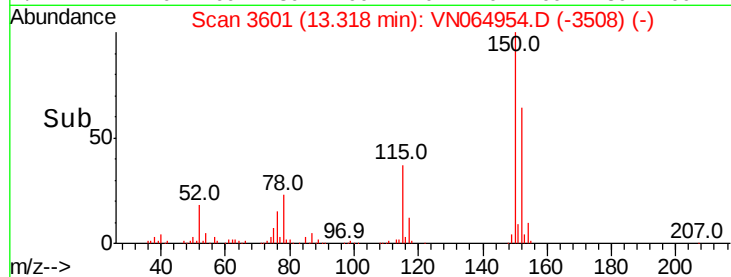
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064954.D
Acq: 7 Dec 2020 18:48

Tot Ion:152 Resp: 137116
Ion Ratio Lower Upper
152 100
115 57.5 29.7 89.1
150 154.5 0.0 350.6



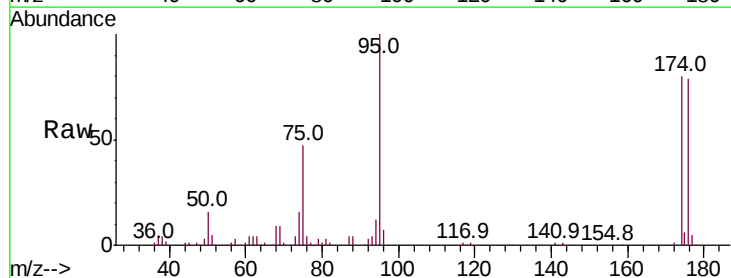
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



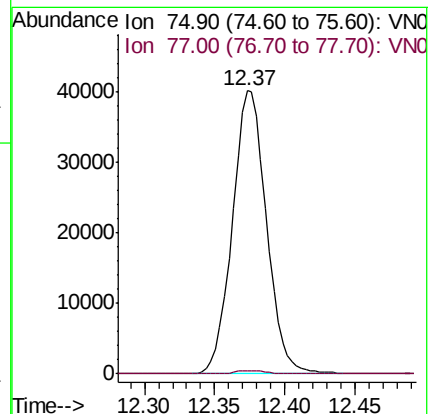
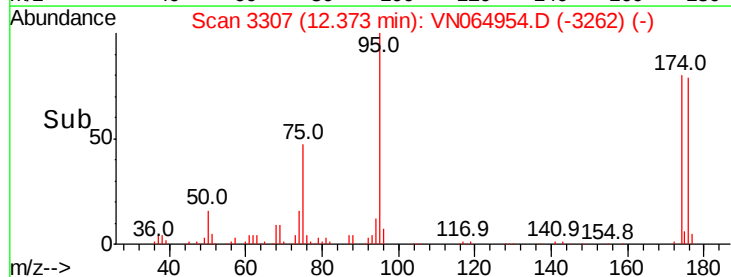
#76

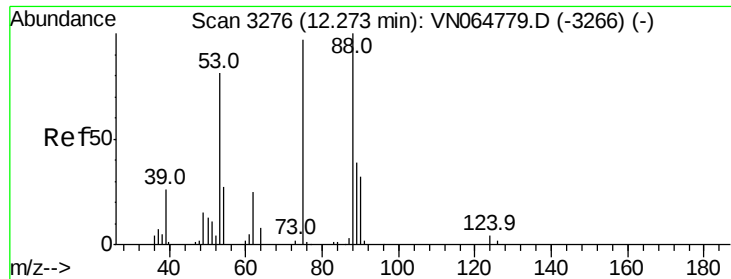
1,2,3-Trichloropropane
Concen: 22.930 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. -0.15 min
Lab File: VN064954.D
Acq: 7 Dec 2020 18:48

Tgt Ion: 75 Resp: 67709
Ion Ratio Lower Upper
75 100
77 1.0 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: 62.845 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. 0.10 min
 Lab File: VN064954.D
 Acq: 7 Dec 2020 18:48

Tot Ion: 75 Resp: 67709
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.0 100.4#
 89 0.0 39.6 59.4#

