

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120720\
 Data File : VN064939.D
 Acq On : 7 Dec 2020 12:47
 Operator : JC/MD
 Sample : L4969-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 08 07:14:07 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	7.62	168	174323	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	307576	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	316954	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	140766	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	105043	51.83	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	103.66%
35) Dibromofluoromethane	7.55	113	99737	54.19	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	108.38%
50) Toluene-d8	10.06	98	379323	50.44	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.88%
62) 4-Bromofluorobenzene	12.37	95	147111	54.66	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	109.32%

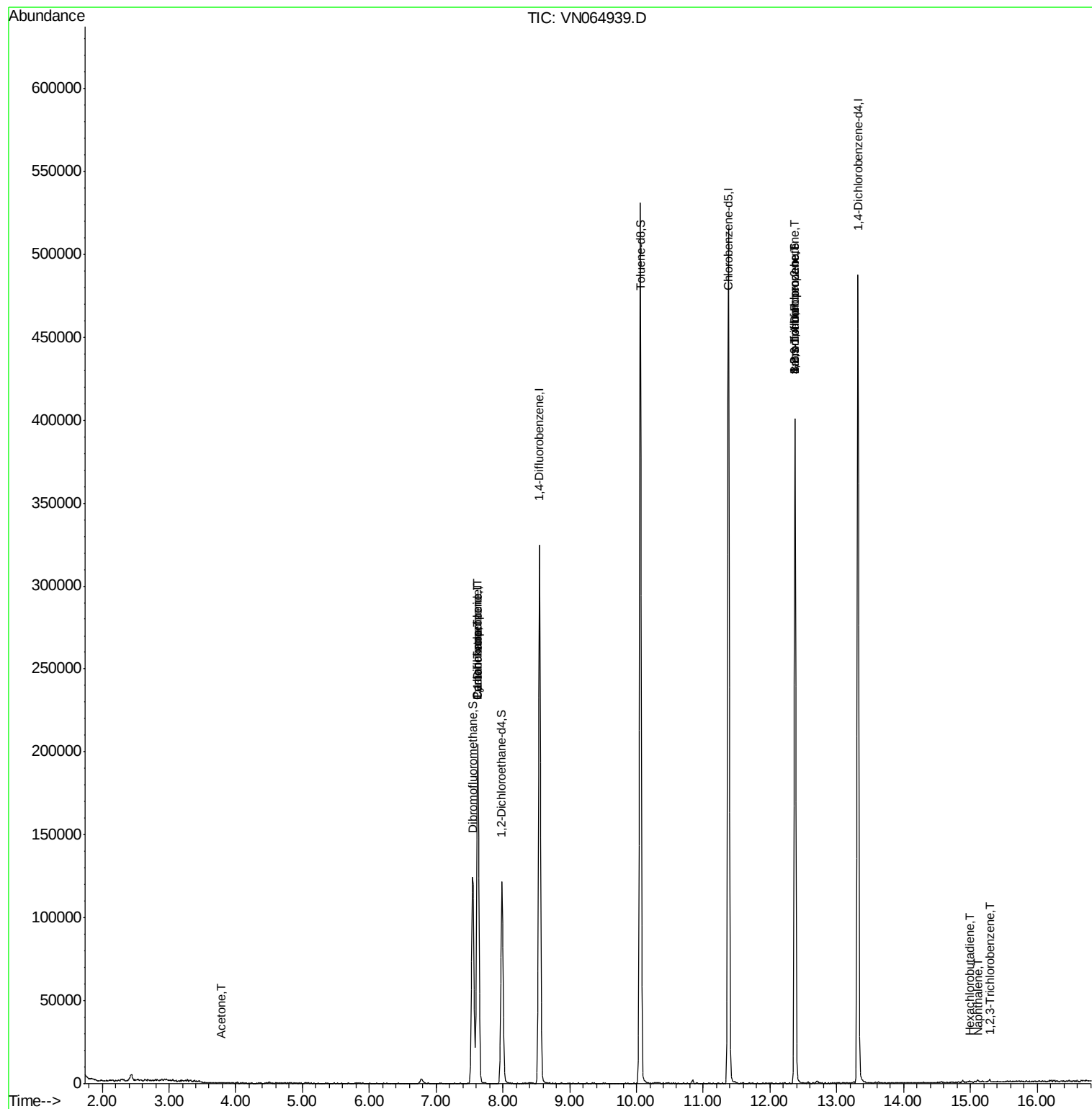
Target Compounds

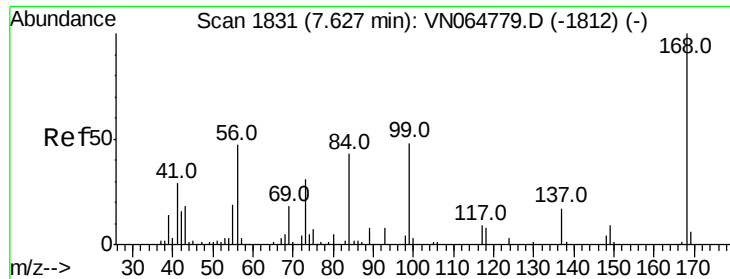
					Qvalue	
16) Acetone	3.78	43	161	0.242	ug/l #	43
31) Cyclohexane	7.62	56	3067	1.086	ug/l #	6
36) 1,1-Dichloropropene	7.62	75	12211	4.283	ug/l #	48
38) Carbon Tetrachloride	7.62	117	16450	5.545	ug/l #	17
71) Bromoform	12.37	173	612	0.306	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	68793	22.693	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	68793	62.195	ug/l #	15
94) Hexachlorobutadiene	14.98	225	317	0.618	ug/l	72
95) Naphthalene	15.11	128	2212	0.259	ug/l #	71
96) 1,2,3-Trichlorobenzene	15.29	180	793	1.677	ug/l #	63

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

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064939.D

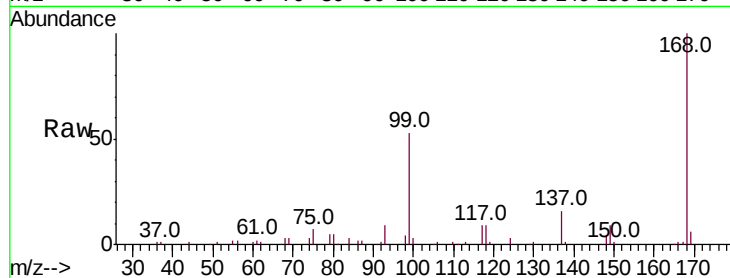
Acq: 7 Dec 2020 12:47

Tot Ion:168 Resp: 174323

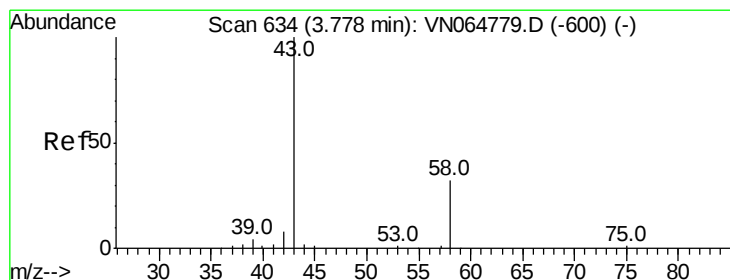
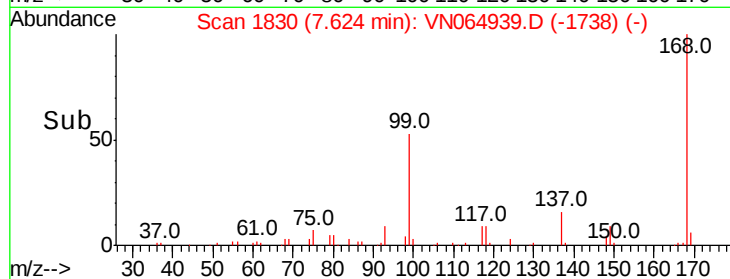
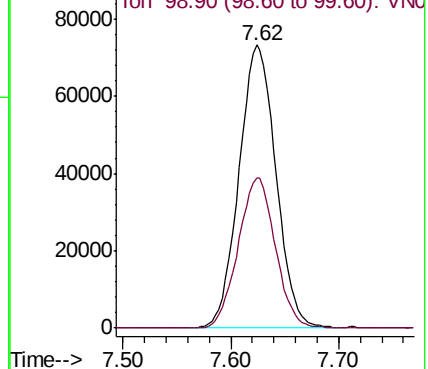
Ion Ratio Lower Upper

168 100

99 53.3 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): VN064939.D (-1812) (-)



#16

Acetone

Concen: 0.242 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN064939.D

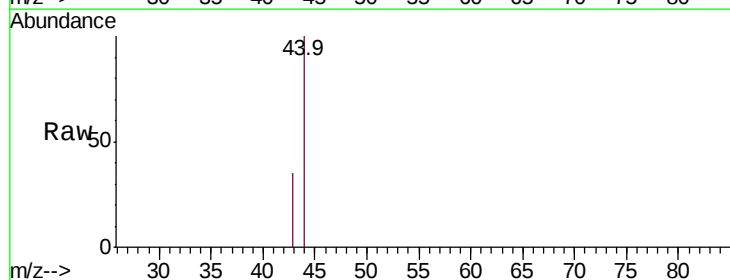
Acq: 7 Dec 2020 12:47

Tgt Ion: 43 Resp: 161

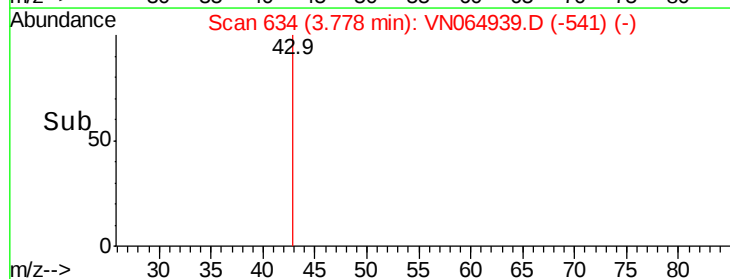
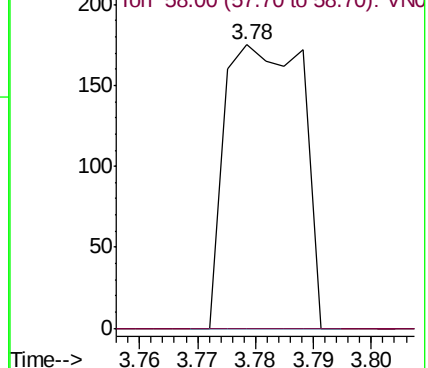
Ion Ratio Lower Upper

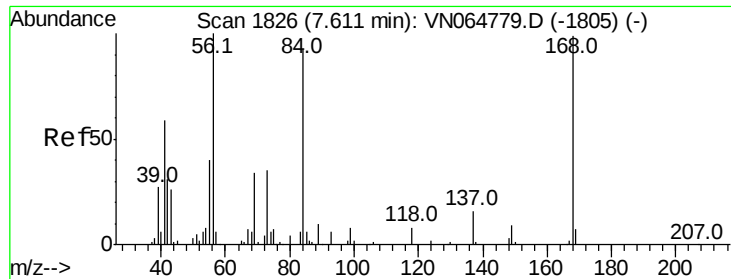
43 100

58 0.0 25.7 38.5#



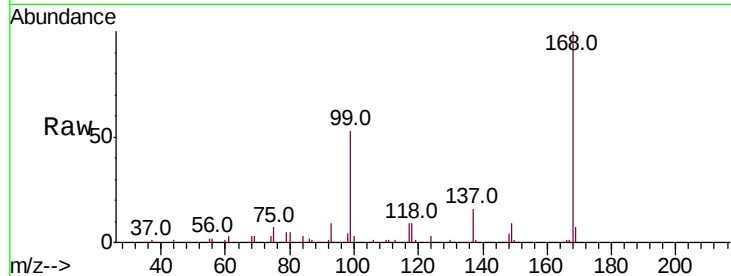
Abundance Ion 43.00 (42.70 to 43.70): VN064939.D (-600) (-)



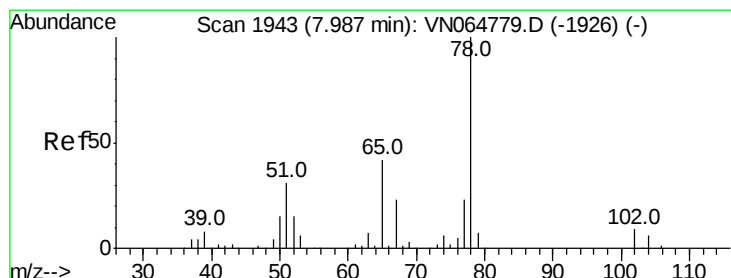
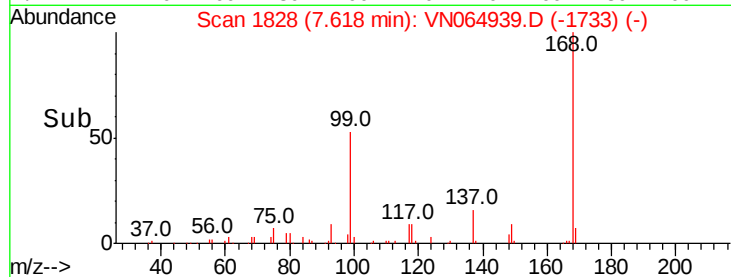
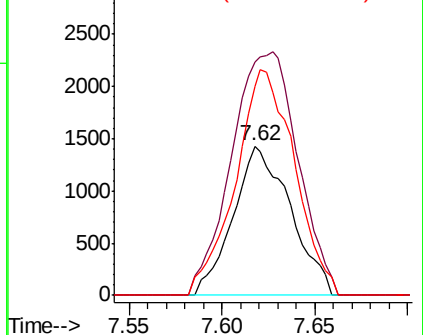


#31
Cvclohexane
Concen: 1.086 ug/l
RT: 7.62 min Scan# 1828
Delta R.T. 0.01 min
Lab File: VN064939.D
Acq: 7 Dec 2020 12:47

Tot Ion: 56 Resp: 3067
Ion Ratio Lower Upper
56 100
69 156.5 27.5 41.3#
84 140.8 73.9 110.9#

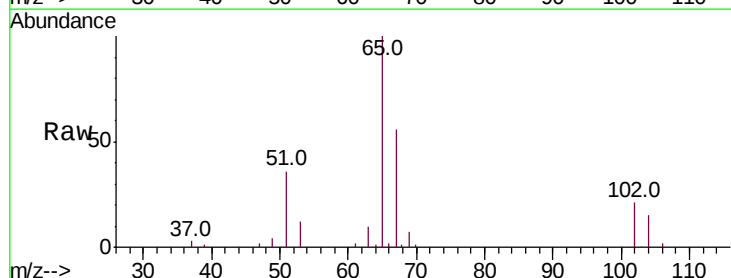


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

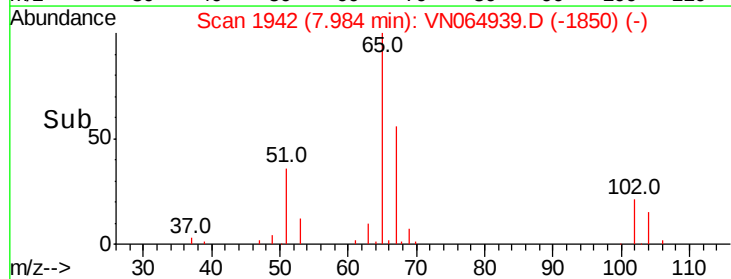
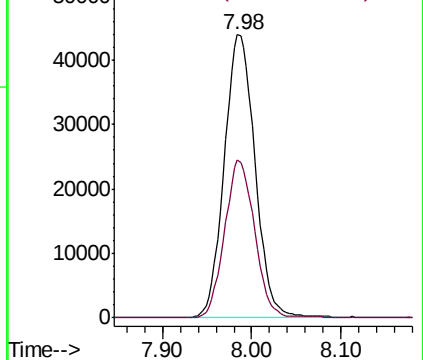


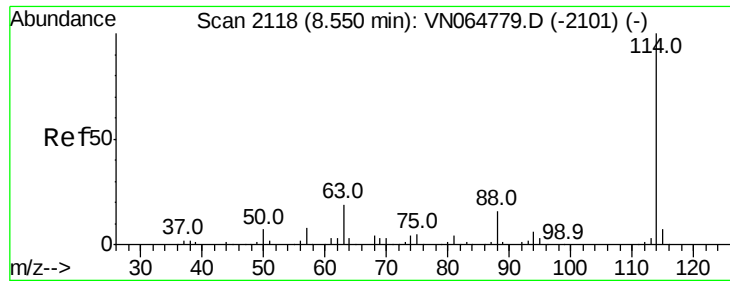
#33
1,2-Dichloroethane-d4
Concen: 51.832 ug/l
RT: 7.98 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN064939.D
Acq: 7 Dec 2020 12:47

Tgt Ion: 65 Resp: 105043
Ion Ratio Lower Upper
65 100
67 54.2 0.0 108.2



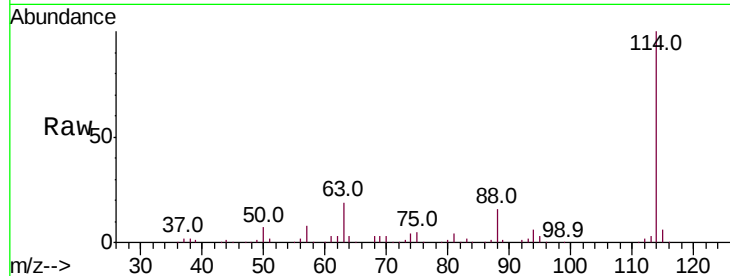
Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0



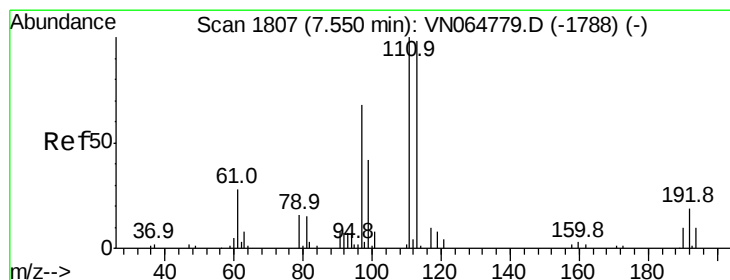
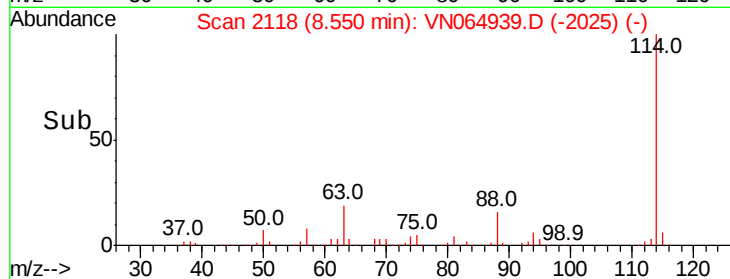
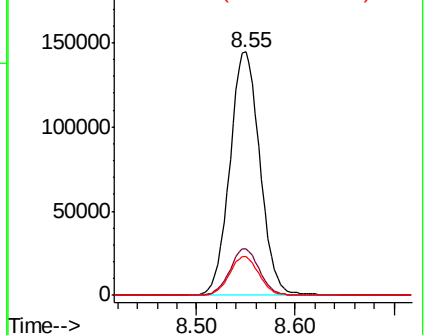


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064939.D
 Acq: 7 Dec 2020 12:47

Tot Ion:114 Resp: 307576
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 38.6
 88 15.8 0.0 32.6

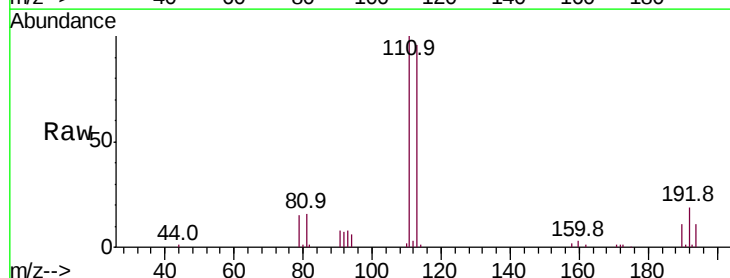


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

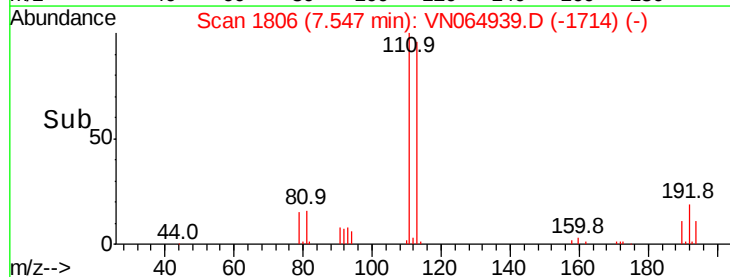
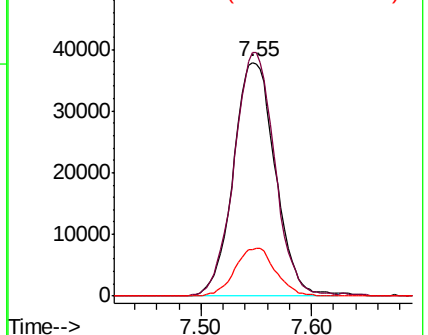


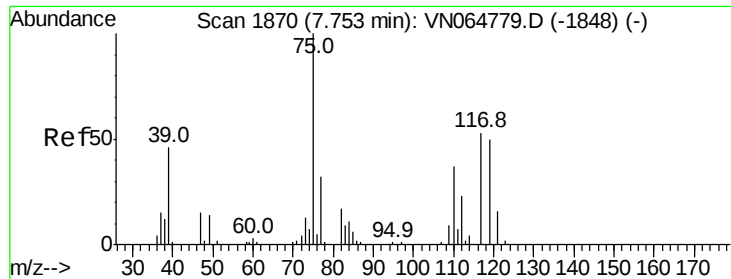
#35
 Dibromofluoromethane
 Concen: 54.192 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN064939.D
 Acq: 7 Dec 2020 12:47

Tgt Ion:113 Resp: 99737
 Ion Ratio Lower Upper
 113 100
 111 101.0 81.6 122.4
 192 19.9 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: 4.283 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN064939.D

Acq: 7 Dec 2020 12:47

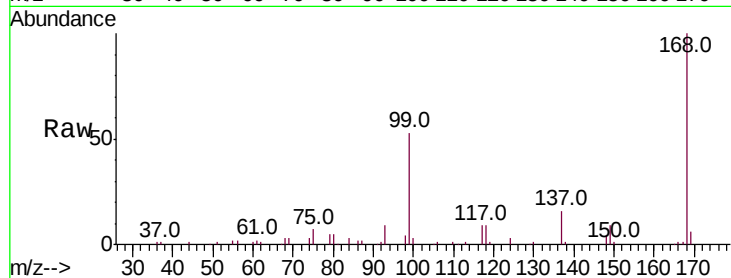
Tot Ion: 75 Resp: 12211

Ion Ratio Lower Upper

75 100

110 7.6 17.8 53.3#

77 0.0 25.0 37.4#



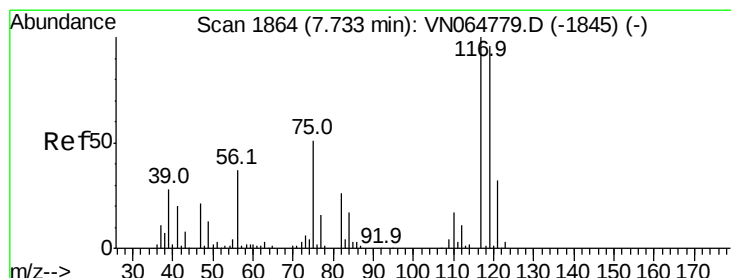
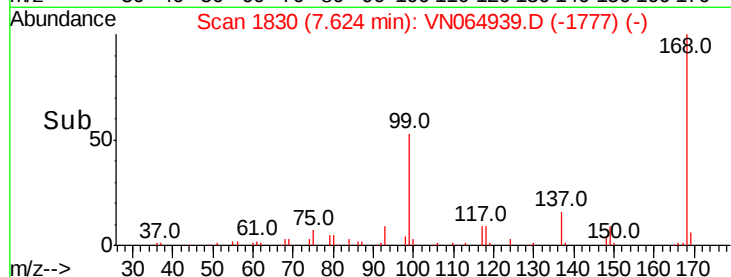
Abundance Ion 74.90 (74.60 to 75.60): VN064779.D (-1848) (-)

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

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

7.62

Time-->



#38

Carbon Tetrachloride

Concen: 5.545 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN064939.D

Acq: 7 Dec 2020 12:47

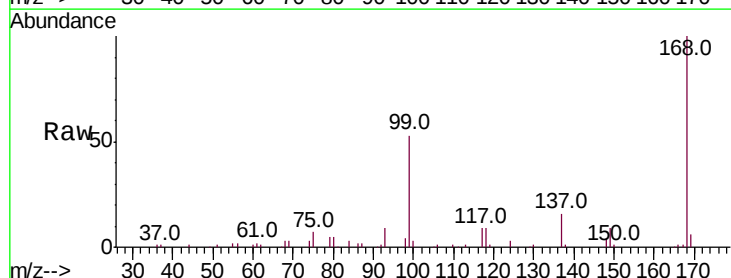
Tgt Ion: 117 Resp: 16450

Ion Ratio Lower Upper

117 100

119 6.9 76.7 115.1#

121 0.0 25.4 38.2#



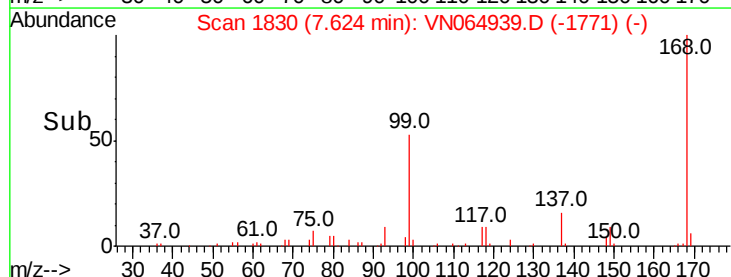
Abundance Ion 116.80 (116.50 to 117.50): VN064779.D (-1845) (-)

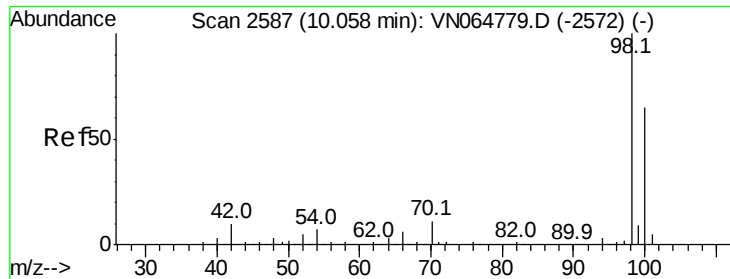
Ion 118.80 (118.50 to 119.50): VN064779.D (-1845) (-)

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

7.62

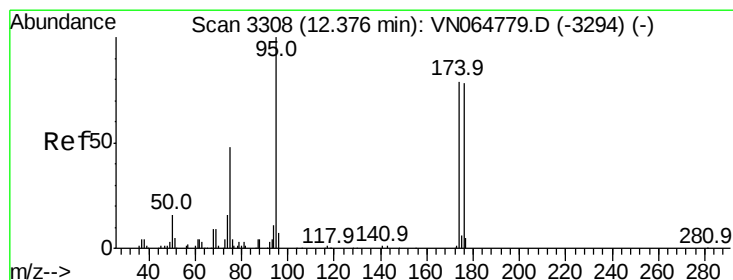
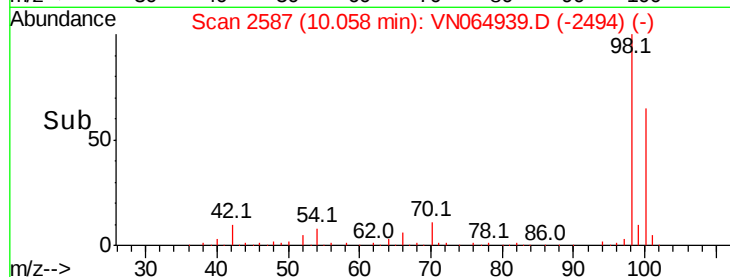
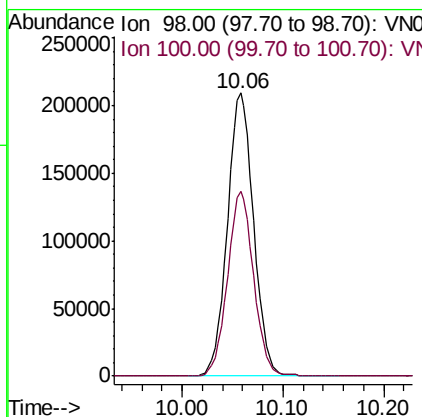
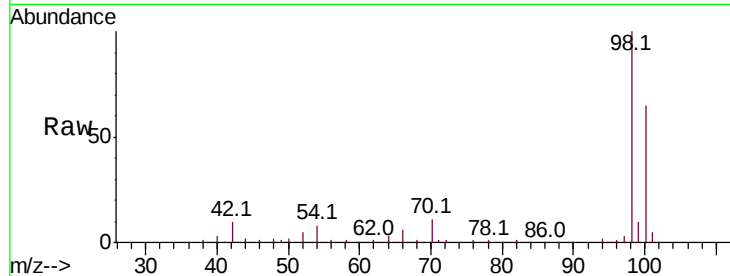
Time-->





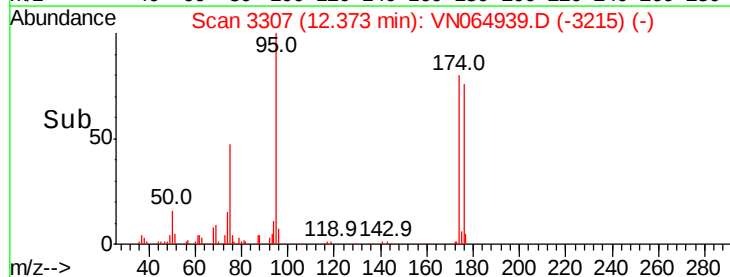
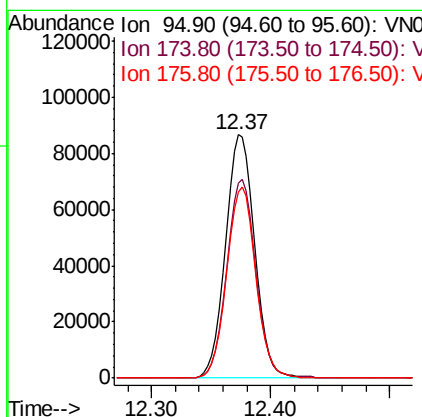
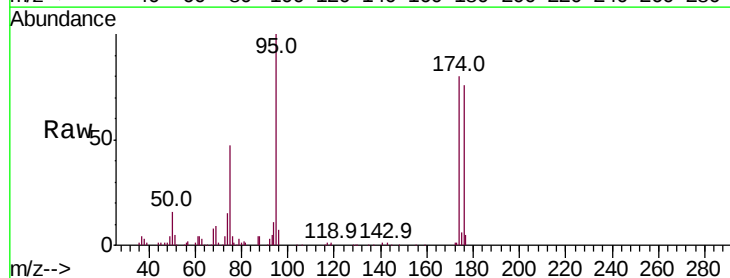
#50
Toluene-d8
Concen: 50.443 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064939.D
Acq: 7 Dec 2020 12:47

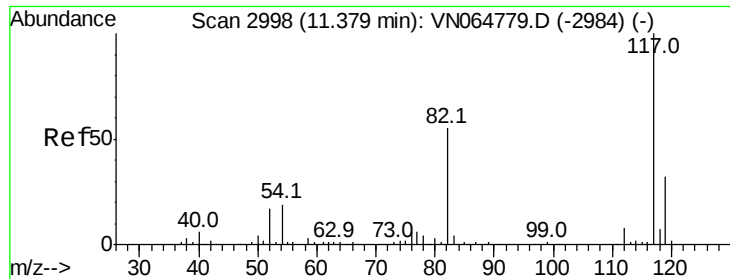
Tot Ion: 98 Resp: 379323
Ion Ratio Lower Upper
98 100
100 64.9 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 54.663 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN064939.D
Acq: 7 Dec 2020 12:47

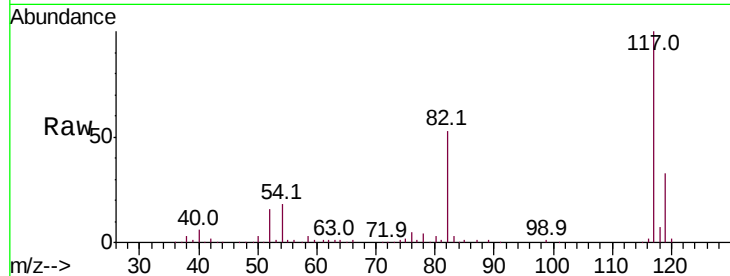
Tgt Ion: 95 Resp: 147111
Ion Ratio Lower Upper
95 100
174 81.3 0.0 160.4
176 78.4 0.0 158.4



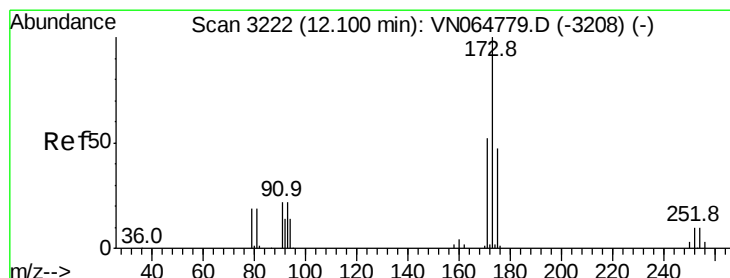
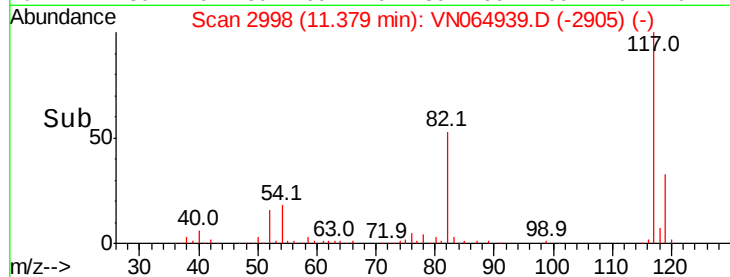
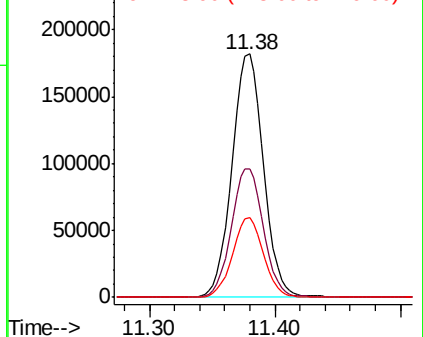


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064939.D
Acq: 7 Dec 2020 12:47

Tot Ion:117 Resp: 316954
Ion Ratio Lower Upper
117 100
82 52.8 44.2 66.2
119 32.7 25.8 38.6

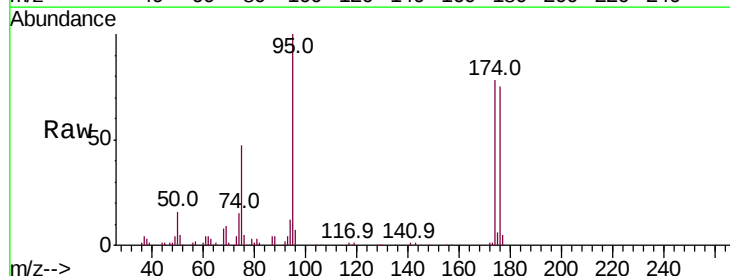


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

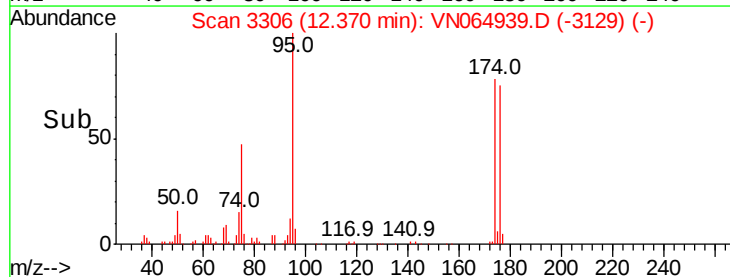
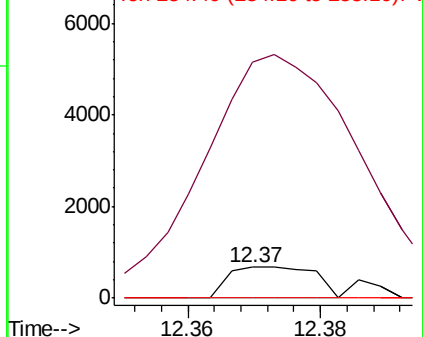


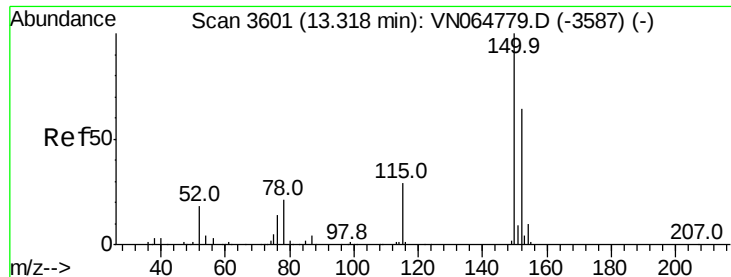
#71
Bromoform
Concen: 0.306 ug/l
RT: 12.37 min Scan# 3306
Delta R.T. 0.27 min
Lab File: VN064939.D
Acq: 7 Dec 2020 12:47

Tgt Ion:173 Resp: 612
Ion Ratio Lower Upper
173 100
175 1276.6 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

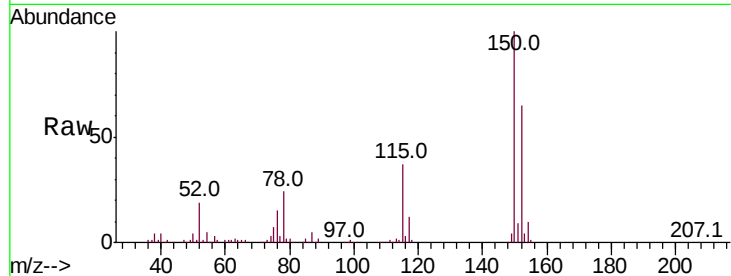




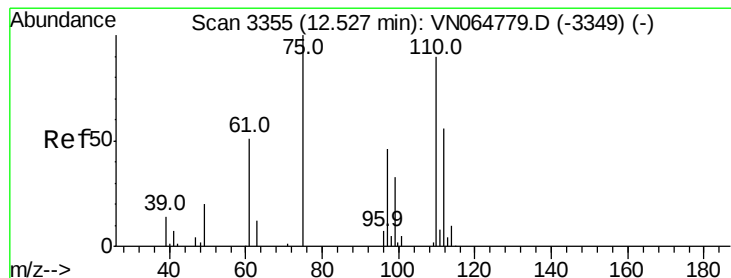
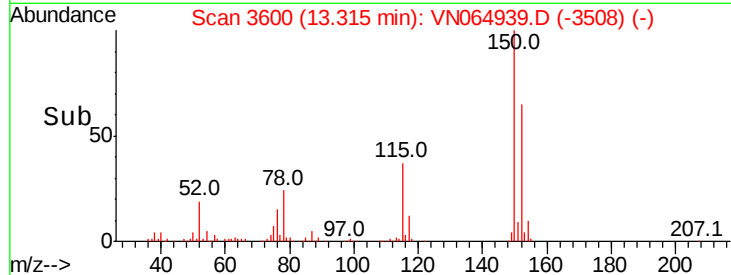
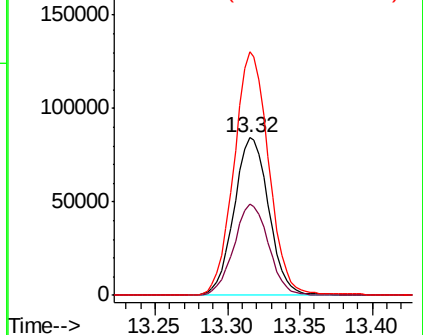
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN064939.D
Acq: 7 Dec 2020 12:47

Tot Ion:152 Resp: 140766
Ion Ratio Lower Upper
152 100
115 58.2 29.7 89.1
150 154.8 0.0 350.6



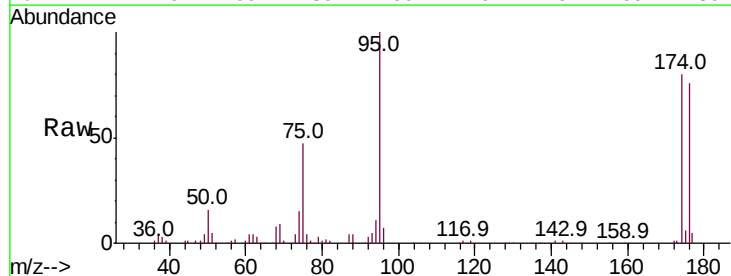
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



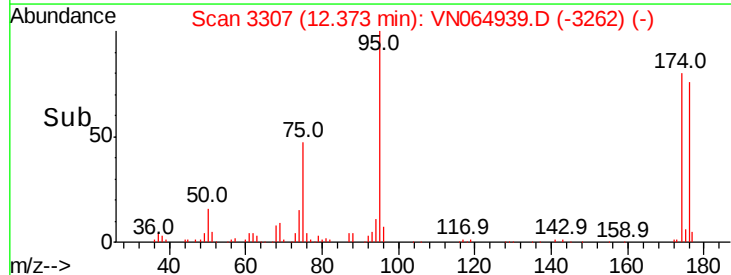
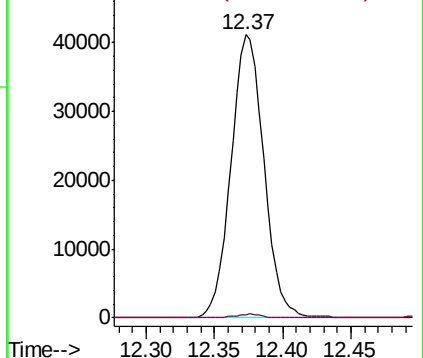
#76

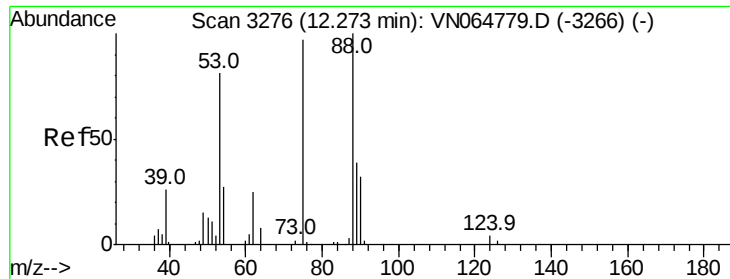
1,2,3-Trichloropropane
Concen: 22.693 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. -0.15 min
Lab File: VN064939.D
Acq: 7 Dec 2020 12:47

Tgt Ion: 75 Resp: 68793
Ion Ratio Lower Upper
75 100
77 1.1 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: 62.195 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN064939.D

Acq: 7 Dec 2020 12:47

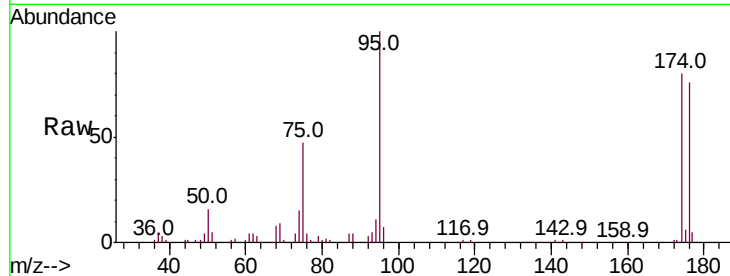
Tot Ion: 75 Resp: 68793

Ion Ratio Lower Upper

75 100

53 0.0 67.0 100.4#

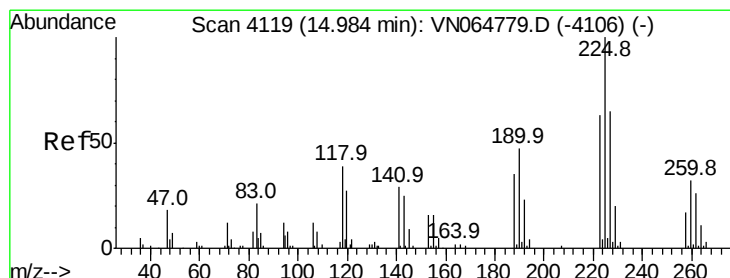
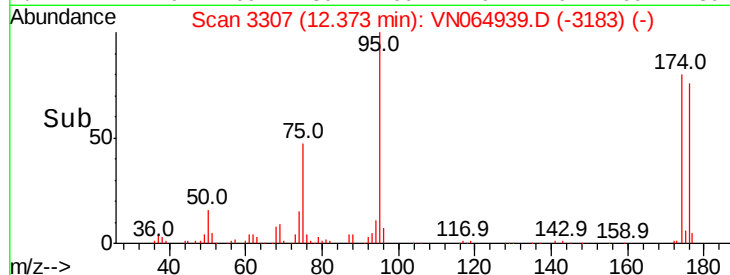
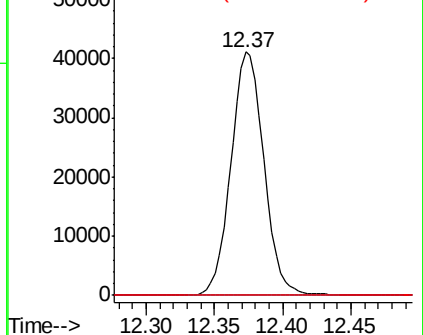
89 0.0 39.6 59.4#



Abundance Ion 74.90 (74.60 to 75.60): VN064779.D (-3266) (-)

Ion 53.00 (52.70 to 53.70): VN064779.D (-3266) (-)

Ion 88.90 (88.60 to 89.60): VN064779.D (-3266) (-)



#94

Hexachlorobutadiene

Concen: 0.618 ug/l

RT: 14.98 min Scan# 4117

Delta R.T. -0.01 min

Lab File: VN064939.D

Acq: 7 Dec 2020 12:47

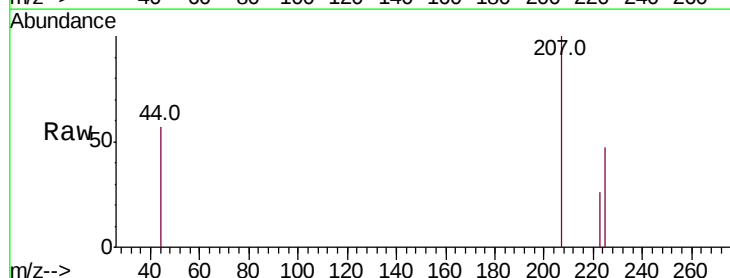
Tgt Ion: 225 Resp: 317

Ion Ratio Lower Upper

225 100

223 75.1 31.0 93.0

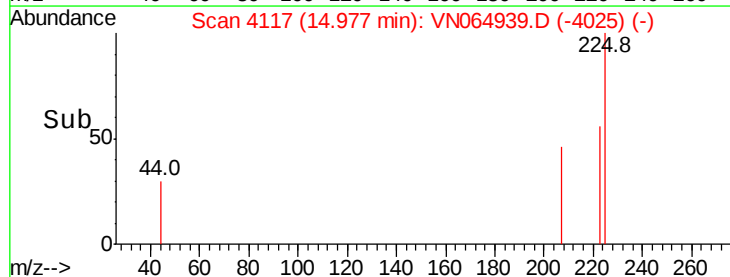
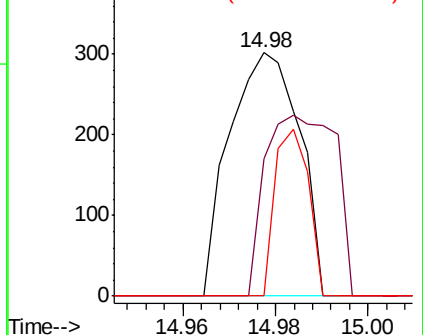
227 33.1 32.0 96.0

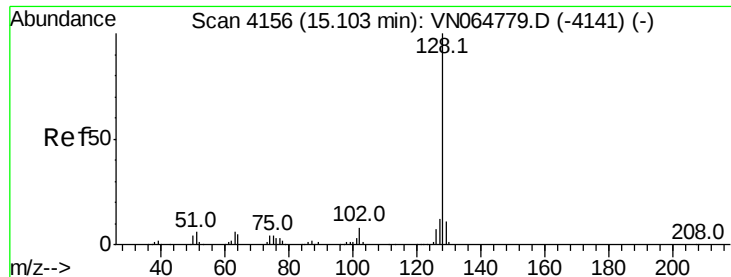


Abundance Ion 224.70 (224.40 to 225.40): VN064779.D (-4106) (-)

Ion 222.70 (222.40 to 223.40): VN064779.D (-4106) (-)

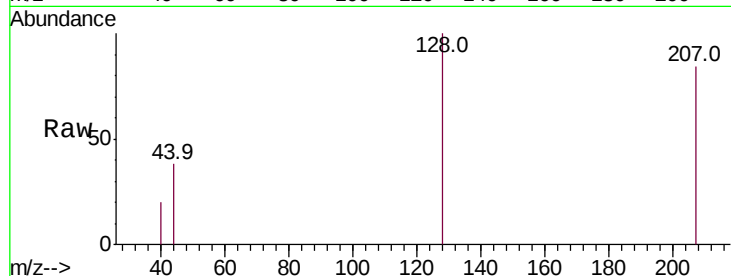
Ion 226.70 (226.40 to 227.40): VN064779.D (-4106) (-)



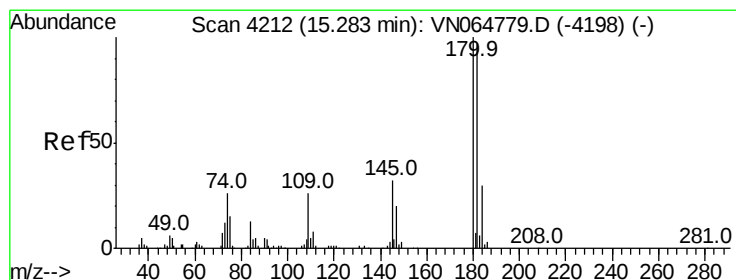
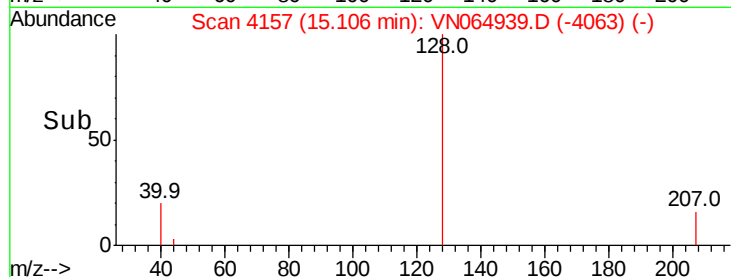
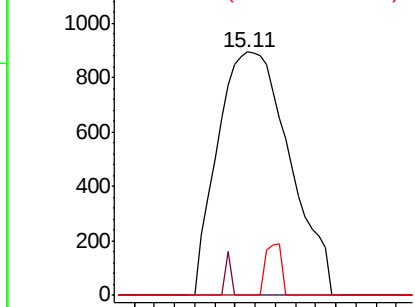


#95
Naphthalene
Concen: 0.259 ug/l
RT: 15.11 min Scan# 4157
Delta R.T. 0.00 min
Lab File: VN064939.D
Acq: 7 Dec 2020 12:47

Tot Ion:128 Resp: 2212
Ion Ratio Lower Upper
128 100
127 1.4 10.3 15.5#
129 0.0 8.7 13.1#

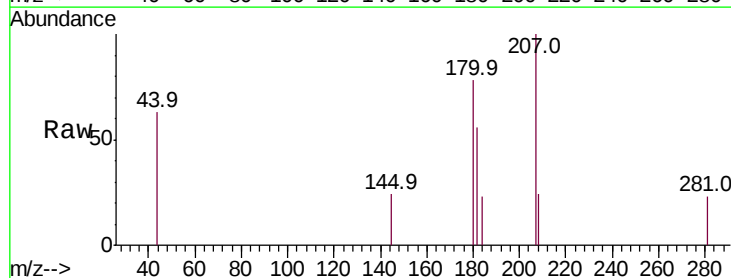


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 1.677 ug/l
RT: 15.29 min Scan# 4214
Delta R.T. 0.01 min
Lab File: VN064939.D
Acq: 7 Dec 2020 12:47

Tgt Ion:180 Resp: 793
Ion Ratio Lower Upper
180 100
182 60.5 48.1 144.4
145 11.3 16.4 49.1#



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

