

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120720\
 Data File : VN064936.D
 Acq On : 7 Dec 2020 11:30
 Operator : JC/MD
 Sample : VN1207WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 08 07:13:21 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	173033	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	306601	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	321031	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	139925	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	106645	53.01	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	106.02%
35) Dibromofluoromethane	7.55	113	99376	54.17	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	108.34%
50) Toluene-d8	10.06	98	381793	50.93	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.86%
62) 4-Bromofluorobenzene	12.38	95	146565	54.63	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	109.26%

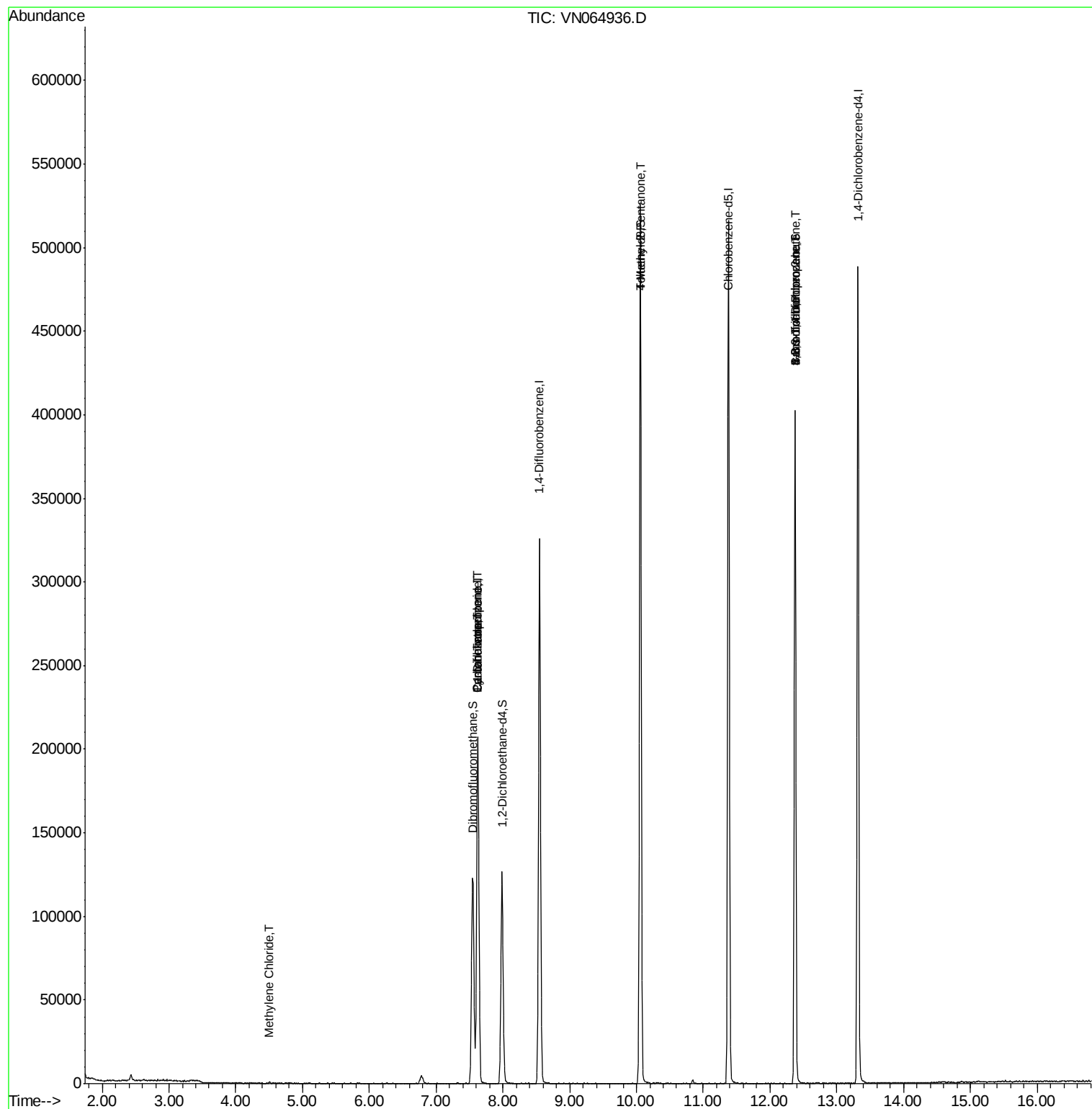
Target Compounds

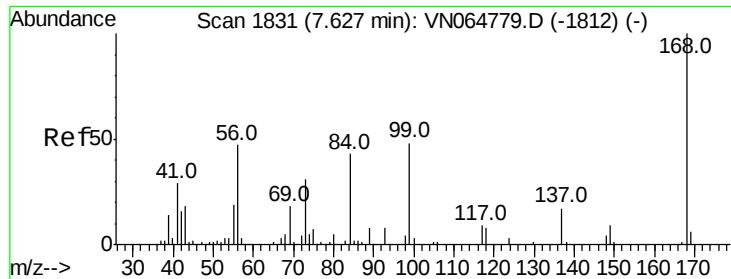
					Qvalue	
20) Methylene Chloride	4.51	84	557	0.269	ug/l #	72
31) Cyclohexane	7.62	56	3178	1.133	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	11643	4.097	ug/l #	50
38) Carbon Tetrachloride	7.63	117	16404	5.548	ug/l #	16
51) 4-Methyl-2-Pentanone	10.06	43	1366	0.517	ug/l #	1
71) Bromoform	12.38	173	791	0.391	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	70485	23.391	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	70485	64.108	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: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064936.D

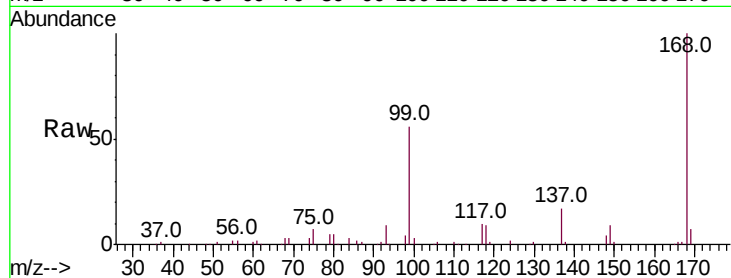
Acq: 7 Dec 2020 11:30

Tot Ion:168 Resp: 173033

Ion Ratio Lower Upper

168 100

99 55.9 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

80000

60000

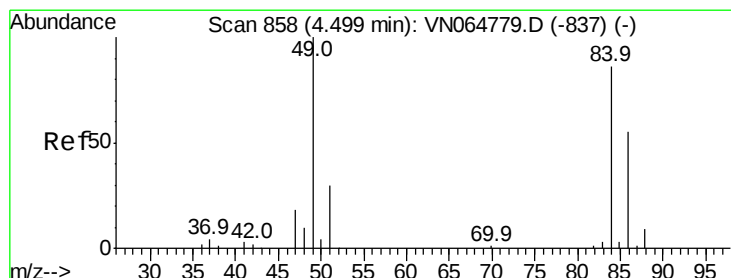
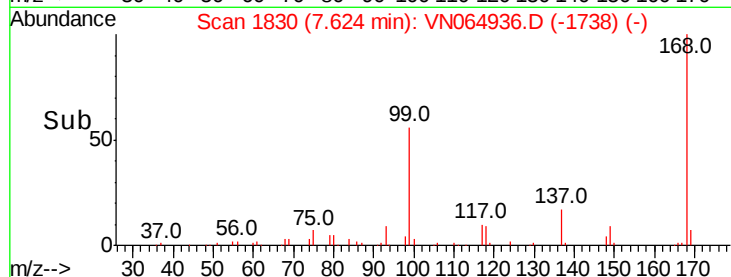
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#20

Methylene Chloride

Concen: 0.269 ug/l

RT: 4.51 min Scan# 860

Delta R.T. 0.01 min

Lab File: VN064936.D

Acq: 7 Dec 2020 11:30

Tgt Ion: 84 Resp: 557

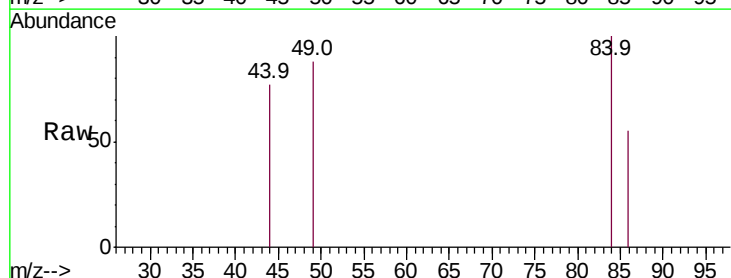
Ion Ratio Lower Upper

84 100

49 88.0 93.4 140.0#

51 0.0 28.2 42.4#

86 55.0 51.7 77.5



Abundance Ion 83.90 (83.60 to 84.60): VN

Ion 48.90 (48.60 to 49.60): VN

Ion 50.90 (50.60 to 51.60): VN

Ion 85.90 (85.60 to 86.60): VN

400

300

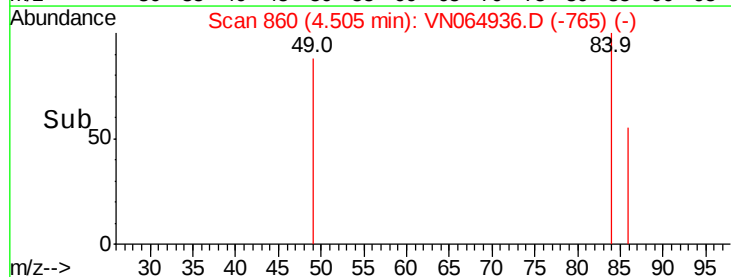
200

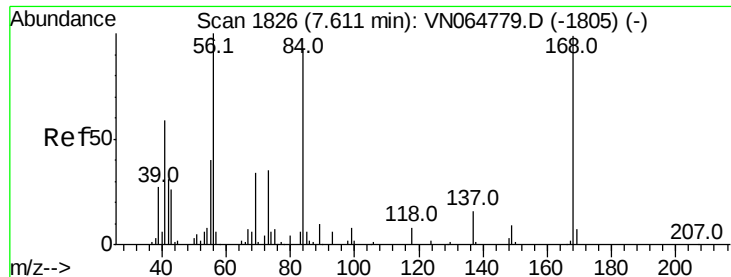
100

0

4.46 4.48 4.50 4.52 4.54

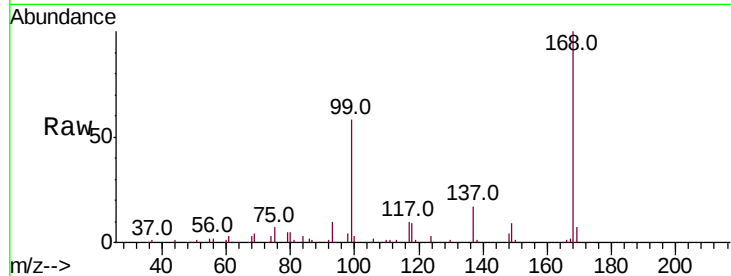
Time-->



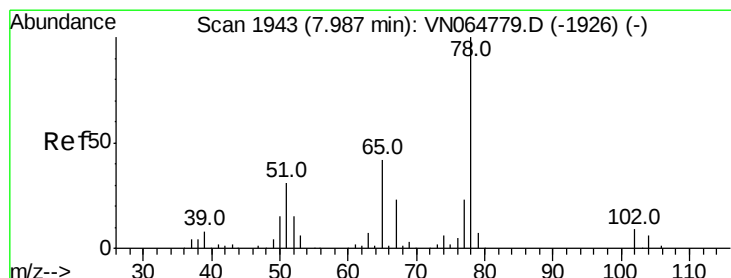
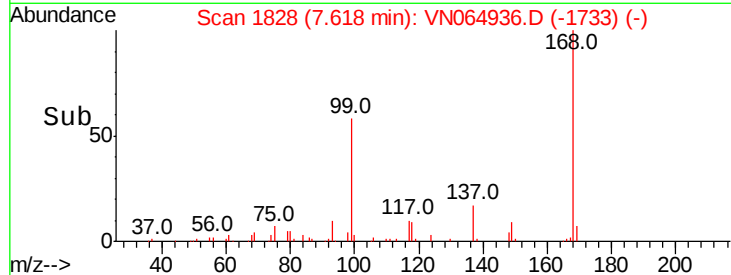
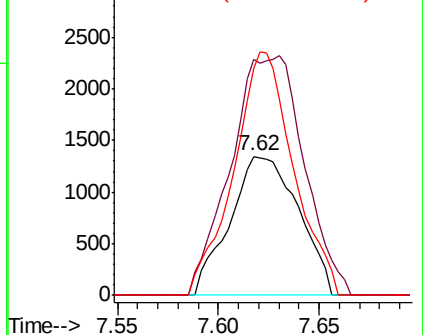


#31
Cvclohexane
Concen: 1.133 ug/l
RT: 7.62 min Scan# 1828
Delta R.T. 0.01 min
Lab File: VN064936.D
Acq: 7 Dec 2020 11:30

Tot Ion: 56 Resp: 3178
Ion Ratio Lower Upper
56 100
69 170.0 27.5 41.3#
84 163.6 73.9 110.9#

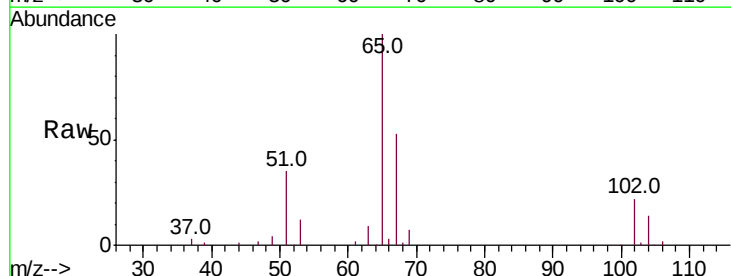


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

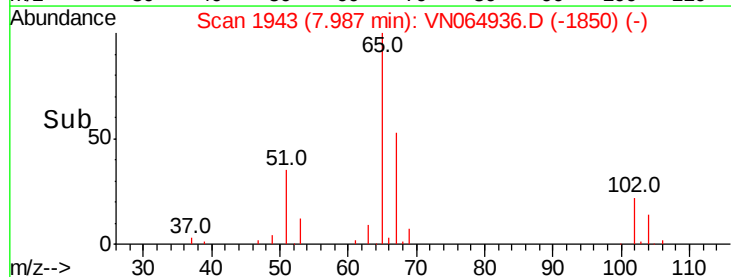
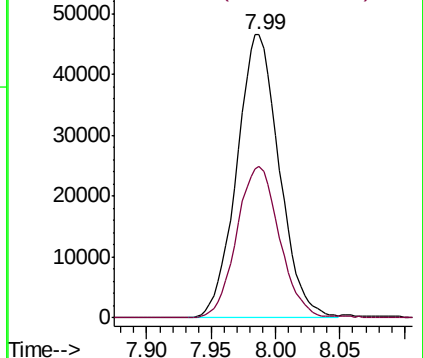


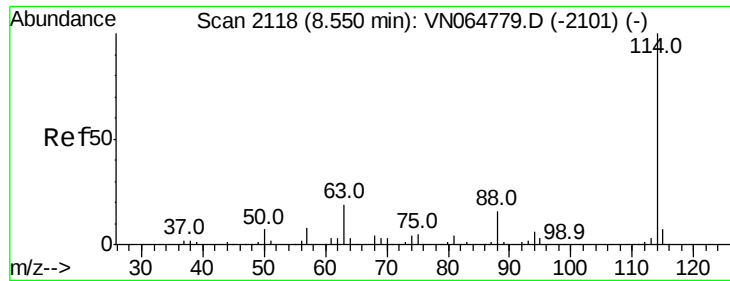
#33
1,2-Dichloroethane-d4
Concen: 53.014 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN064936.D
Acq: 7 Dec 2020 11:30

Tgt Ion: 65 Resp: 106645
Ion Ratio Lower Upper
65 100
67 53.8 0.0 108.2



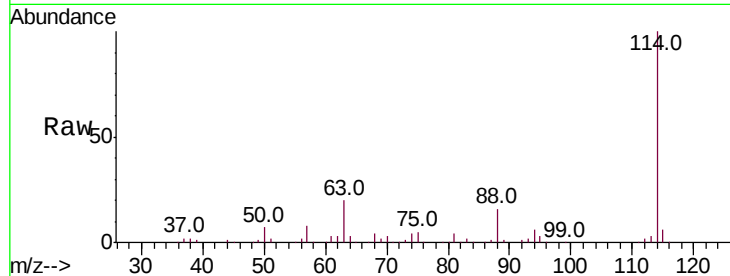
Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0



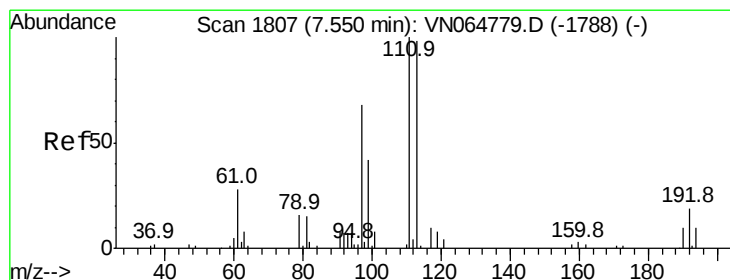
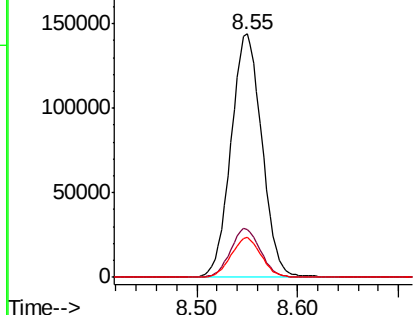
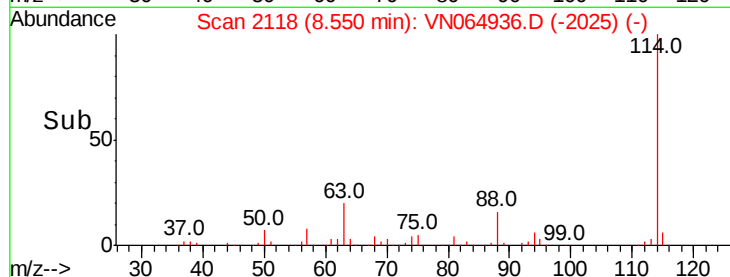


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064936.D
 Acq: 7 Dec 2020 11:30

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	38.6
88	16.3	0.0	32.6

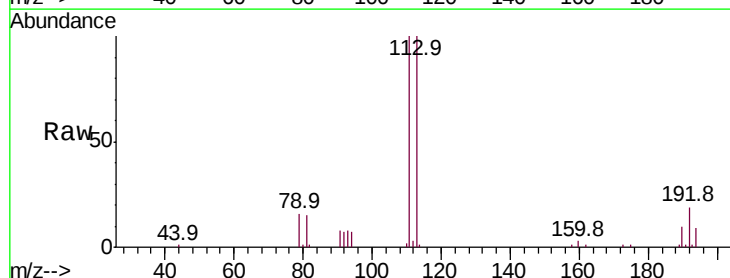


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

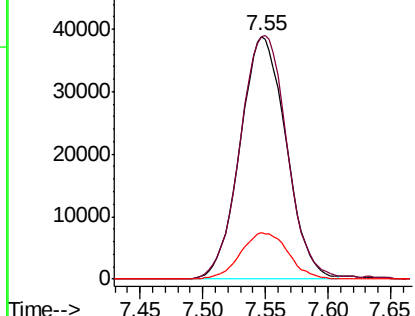
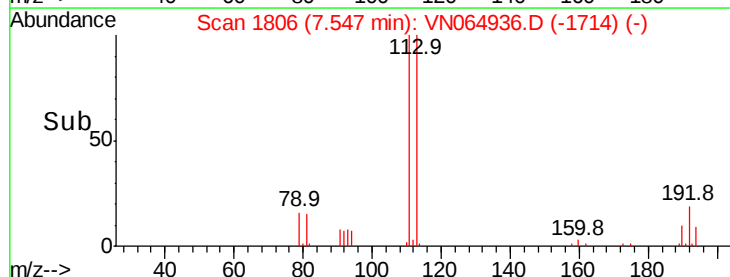


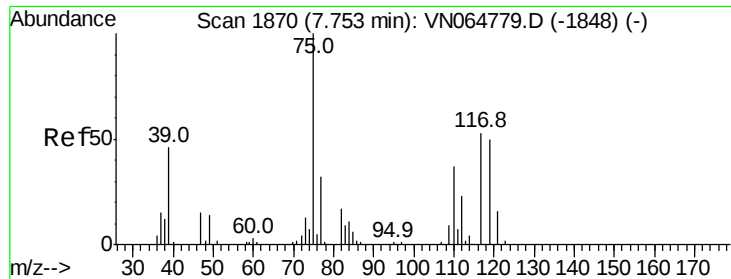
#35
 Dibromofluoromethane
 Concen: 54.168 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN064936.D
 Acq: 7 Dec 2020 11:30

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.6	122.4
192	19.7	16.2	24.2



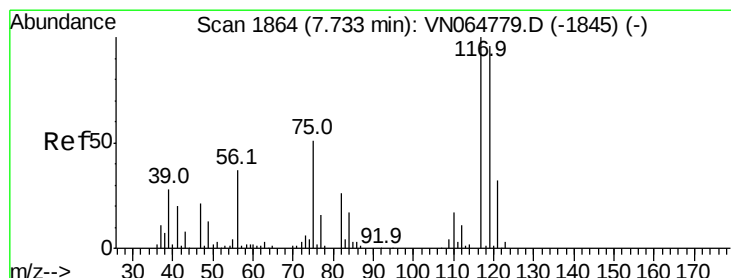
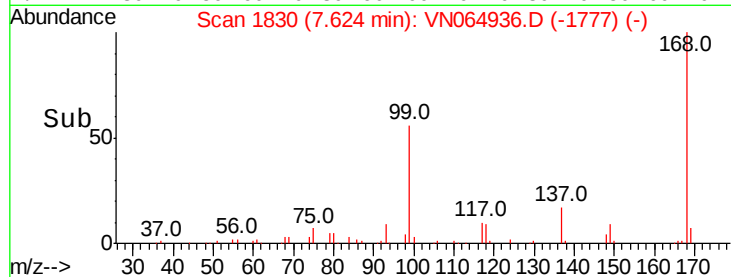
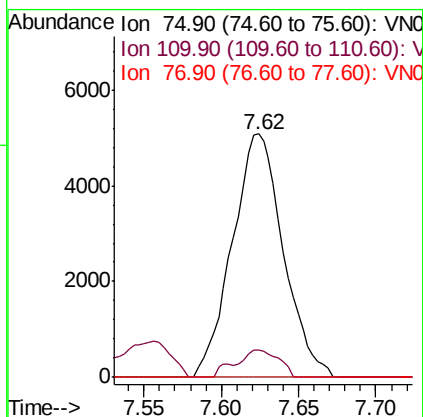
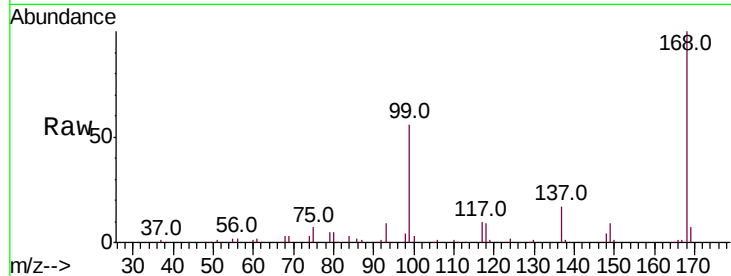
Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





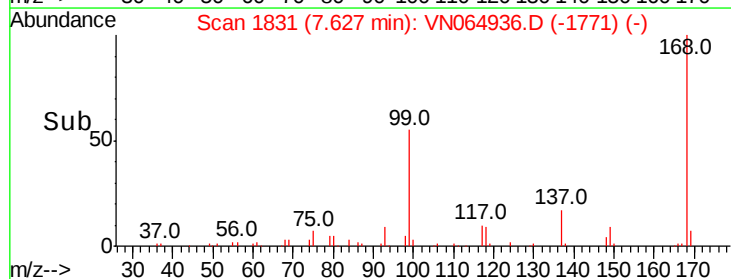
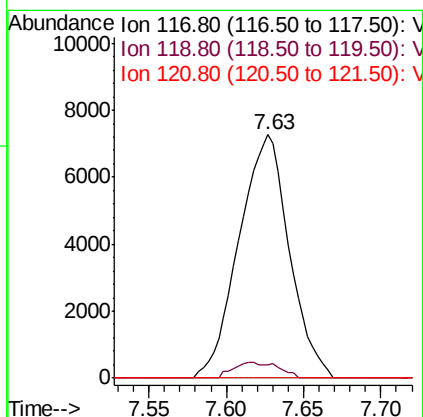
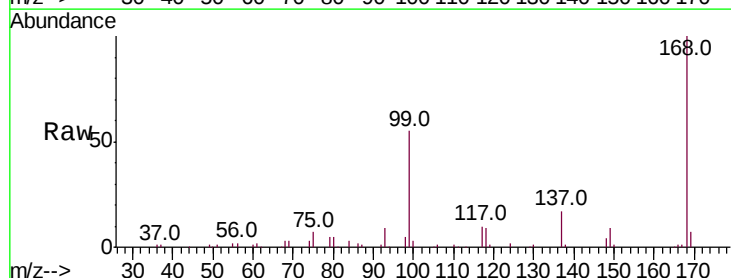
#36
 1,1-Dichloropropene
 Concen: 4.097 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064936.D
 Acq: 7 Dec 2020 11:30

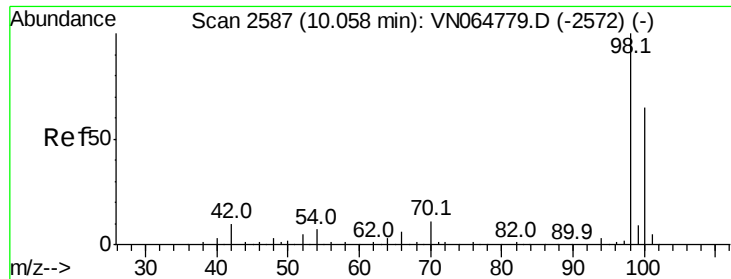
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.6	17.8	53.3#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 5.548 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN064936.D
 Acq: 7 Dec 2020 11:30

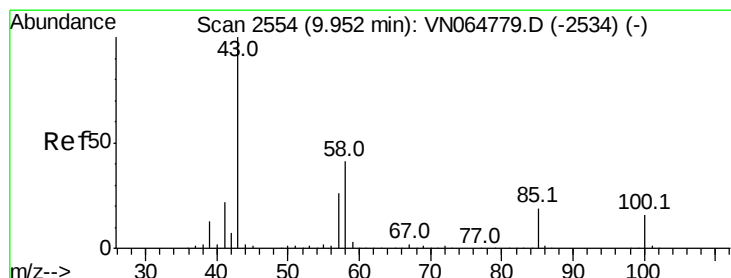
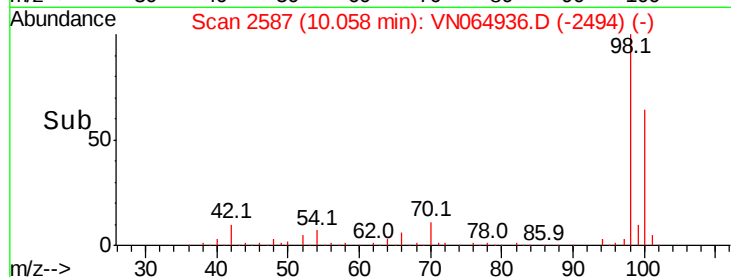
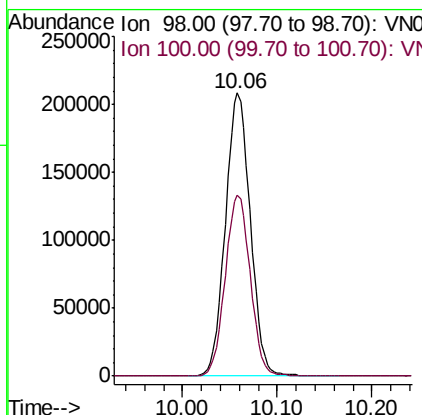
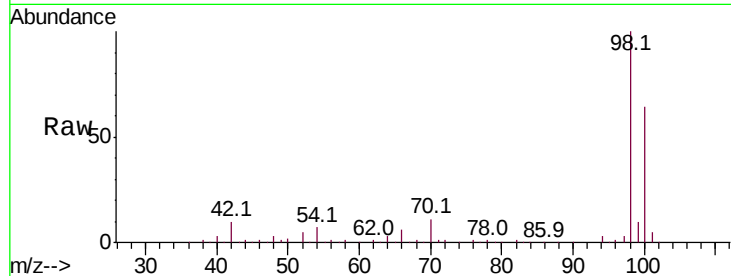
Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	76.7	115.1#
121	0.0	25.4	38.2#





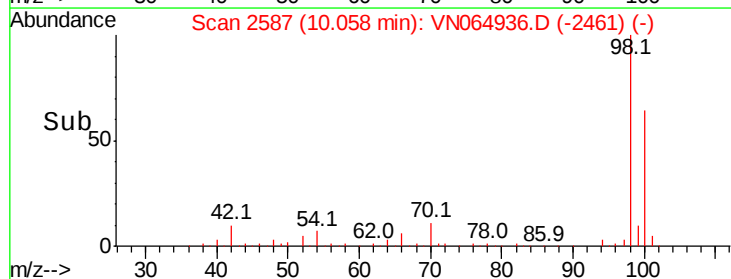
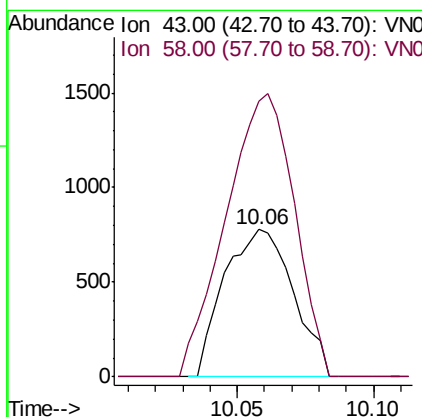
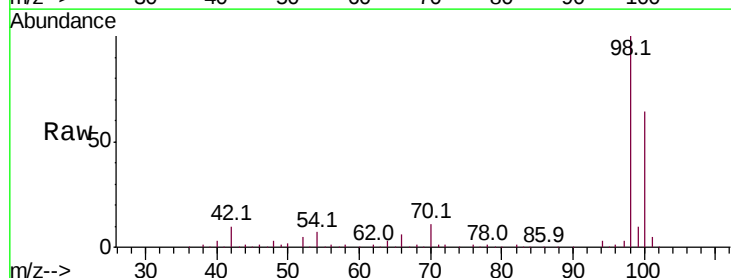
#50
Toluene-d8
Concen: 50.933 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064936.D
Acq: 7 Dec 2020 11:30

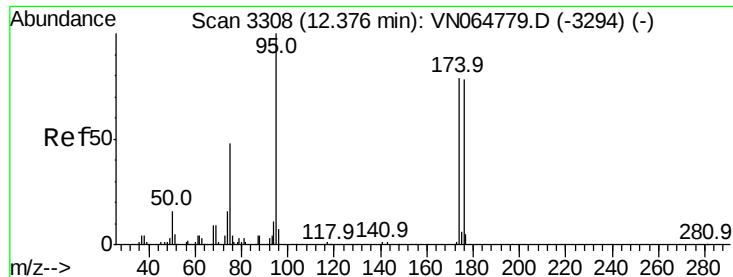
Tot Ion: 98 Resp: 381793
Ion Ratio Lower Upper
98 100
100 64.1 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.517 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.11 min
Lab File: VN064936.D
Acq: 7 Dec 2020 11:30

Tgt Ion: 43 Resp: 1366
Ion Ratio Lower Upper
43 100
58 190.6 32.4 48.6





#62

4-Bromofluorobenzene

Concen: 54.634 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064936.D

Acq: 7 Dec 2020 11:30

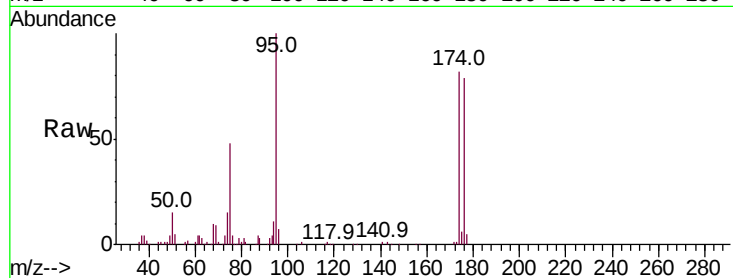
Tot Ion: 95 Resp: 146565

Ion Ratio Lower Upper

95 100

174 80.8 0.0 160.4

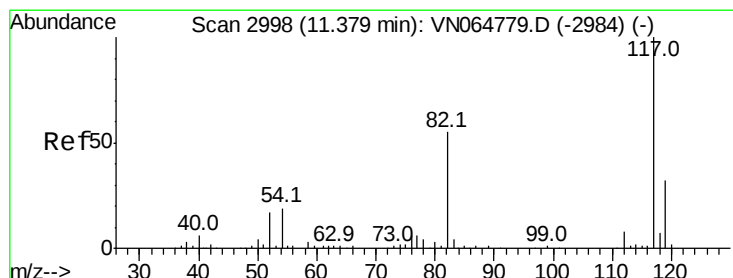
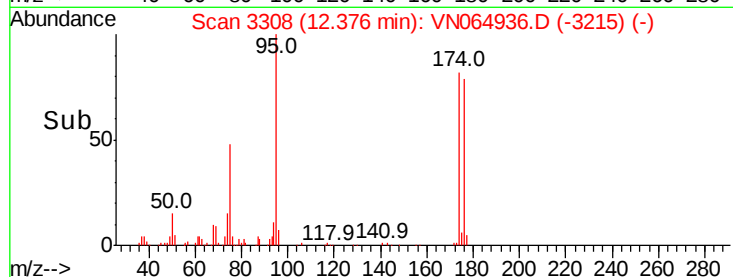
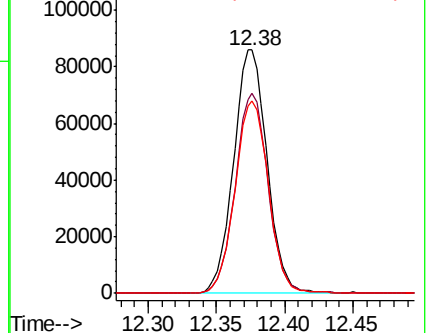
176 79.0 0.0 158.4



Abundance Ion 94.90 (94.60 to 95.60): VN064779.D (-3294) (-)

Ion 173.80 (173.50 to 174.50): VN064779.D (-3294) (-)

Ion 175.80 (175.50 to 176.50): VN064779.D (-3294) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN064936.D

Acq: 7 Dec 2020 11:30

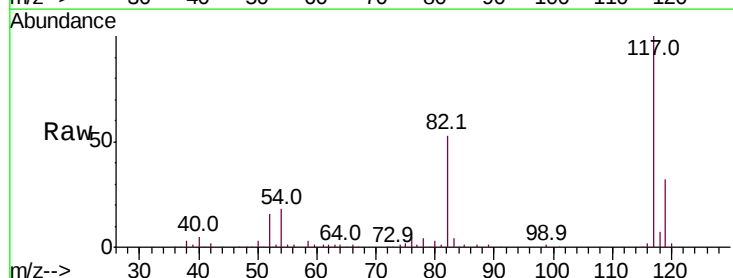
Tgt Ion: 117 Resp: 321031

Ion Ratio Lower Upper

117 100

82 52.7 44.2 66.2

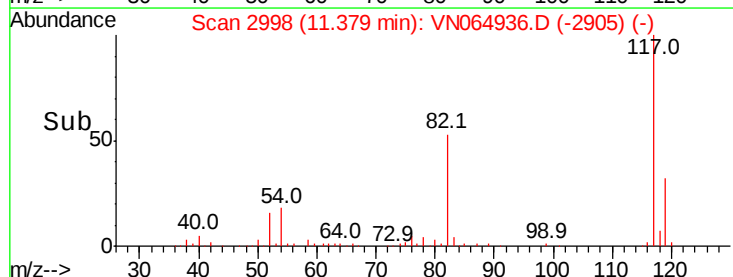
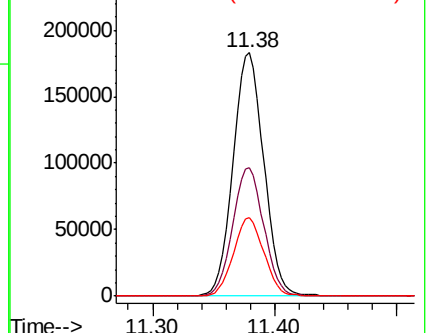
119 32.1 25.8 38.6

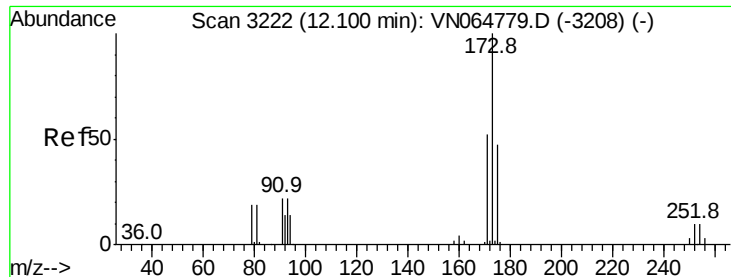


Abundance Ion 116.90 (116.60 to 117.60): VN064779.D (-2984) (-)

Ion 82.00 (81.70 to 82.70): VN064779.D (-2984) (-)

Ion 118.90 (118.60 to 119.60): VN064779.D (-2984) (-)





#71

Bromoform

Concen: 0.391 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.28 min

Lab File: VN064936.D

Acq: 7 Dec 2020 11:30

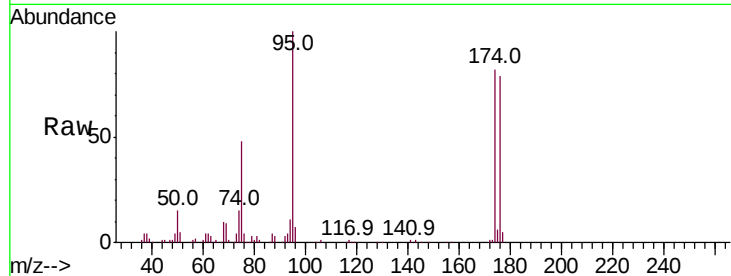
Tot Ion:173 Resp: 791

Ion Ratio Lower Upper

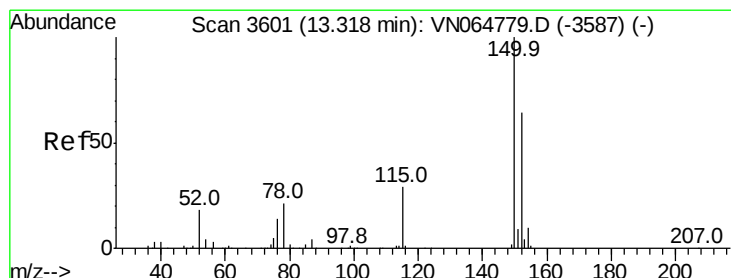
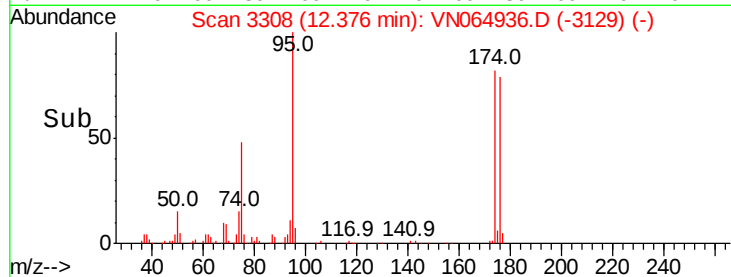
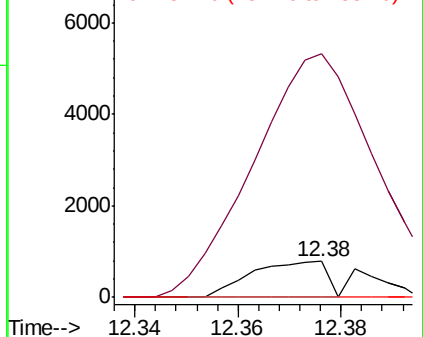
173 100

175 957.9 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: VN064936.D

Acq: 7 Dec 2020 11:30

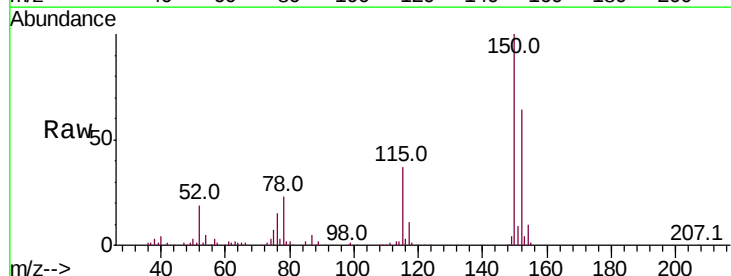
Tgt Ion:152 Resp: 139925

Ion Ratio Lower Upper

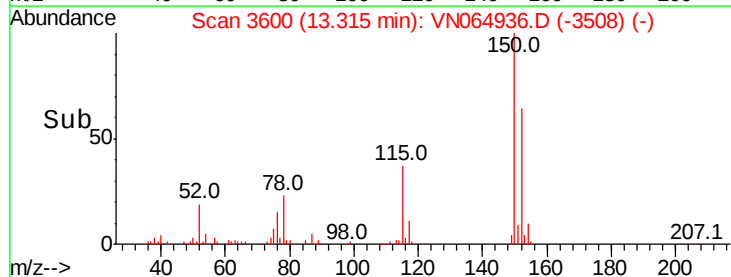
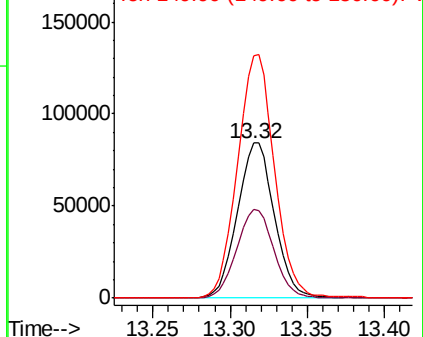
152 100

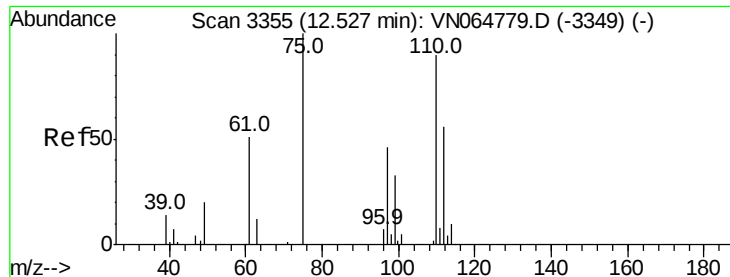
115 57.6 29.7 89.1

150 157.8 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: 23.391 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN064936.D

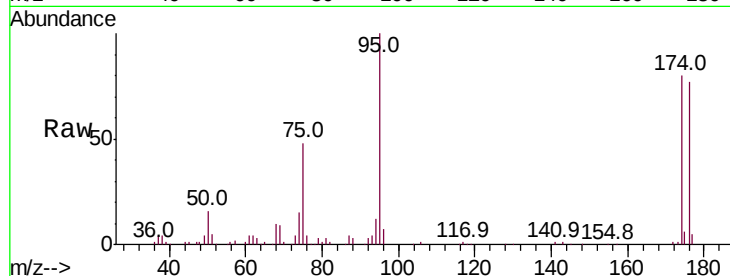
Acq: 7 Dec 2020 11:30

Tot Ion: 75 Resp: 70485

Ion Ratio Lower Upper

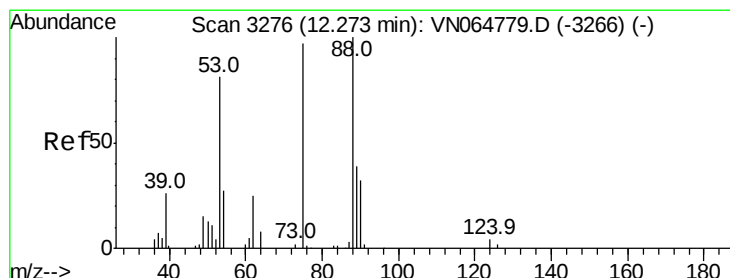
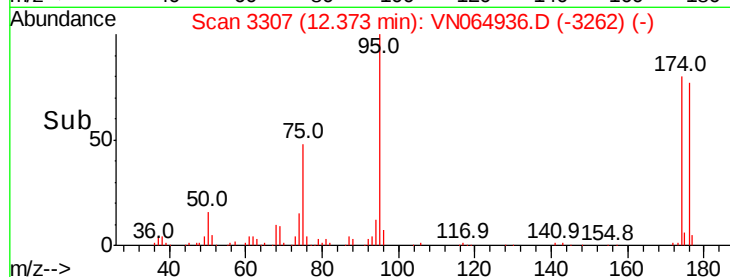
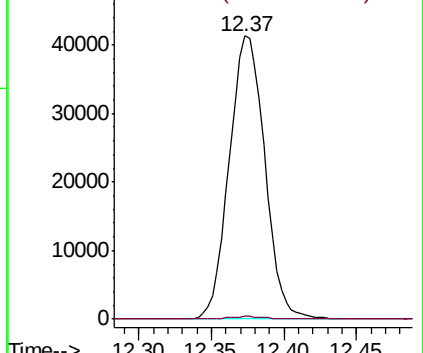
75 100

77 0.8 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: 64.108 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN064936.D

Acq: 7 Dec 2020 11:30

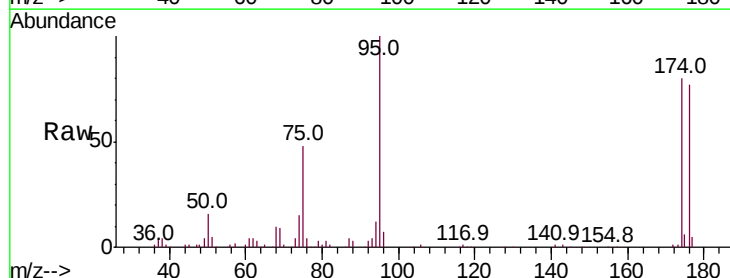
Tgt Ion: 75 Resp: 70485

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

