

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120720\
 Data File : VN064951.D
 Acq On : 7 Dec 2020 17:36
 Operator : JC/MD
 Sample : L4962-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 08 07:16:52 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	176378	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	312171	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	322946	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	143523	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	107222	52.29	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	104.58%
35) Dibromofluoromethane	7.55	113	98127	52.53	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	105.06%
50) Toluene-d8	10.06	98	386787	50.68	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.36%
62) 4-Bromofluorobenzene	12.38	95	150200	54.99	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	109.98%

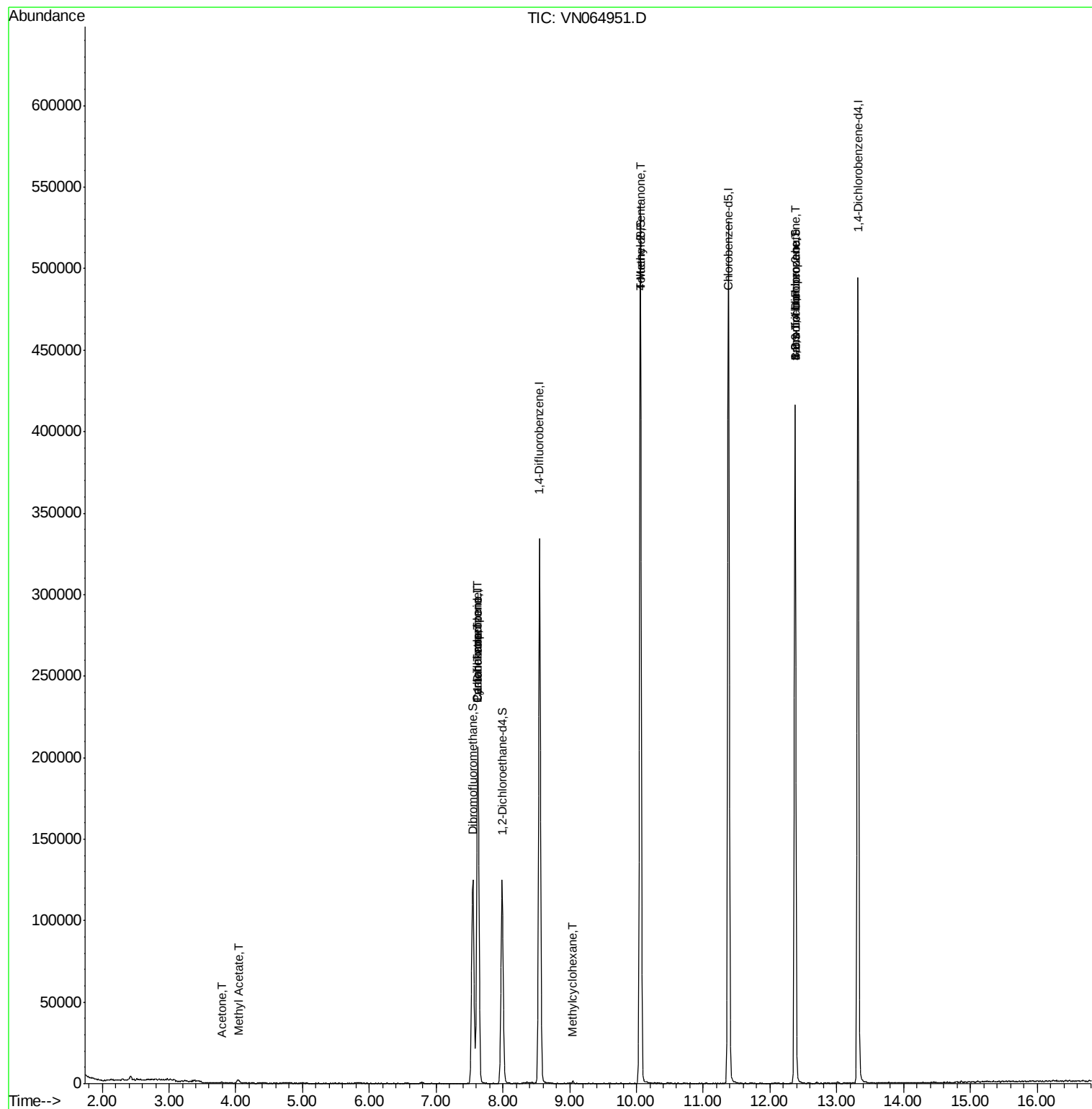
Target Compounds

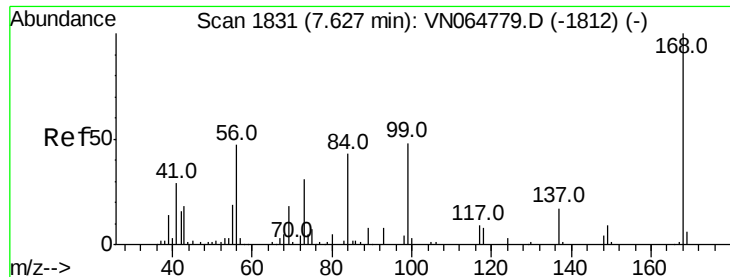
					Qvalue	
16) Acetone	3.79	43	495	0.734	ug/l #	43
18) Methyl Acetate	4.03	43	748	0.369	ug/l #	50
31) Cyclohexane	7.62	56	3443	1.205	ug/l #	14
36) 1,1-Dichloropropene	7.62	75	12214	4.221	ug/l #	50
38) Carbon Tetrachloride	7.63	117	17135	5.691	ug/l #	16
39) Methylcyclohexane	9.05	83	777	0.249	ug/l #	91
51) 4-Methyl-2-Pentanone	10.06	43	1410	0.524	ug/l #	1
71) Bromoform	12.37	173	990	0.486	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	71286	23.063	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	71286	63.211	ug/l #	15

(#) = 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: VN064951.D

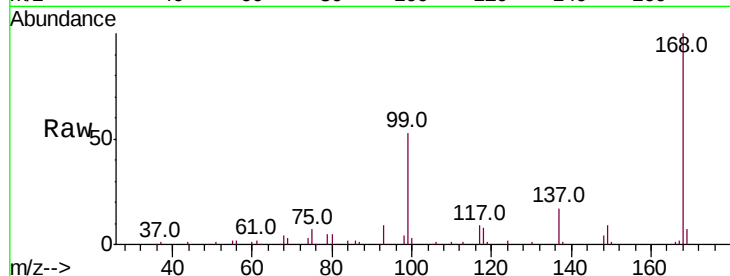
Acq: 7 Dec 2020 17:36

Tot Ion:168 Resp: 176378

Ion Ratio Lower Upper

168 100

99 53.4 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.62

80000

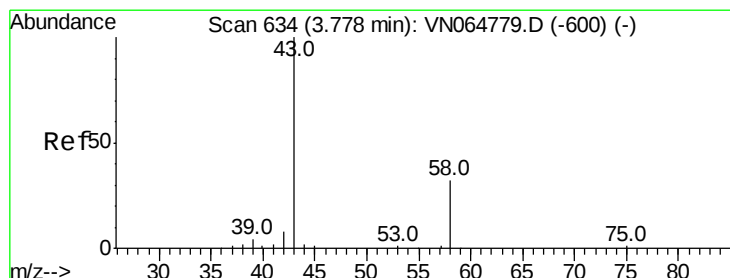
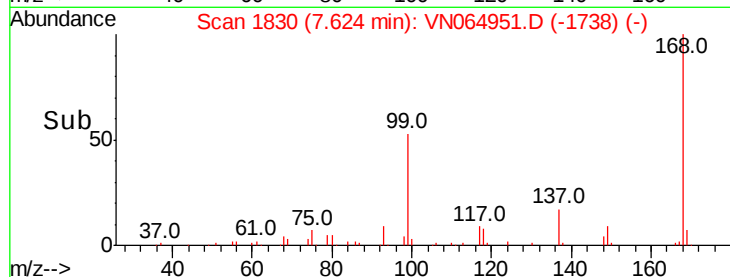
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 0.734 ug/l

RT: 3.79 min Scan# 639

Delta R.T. 0.02 min

Lab File: VN064951.D

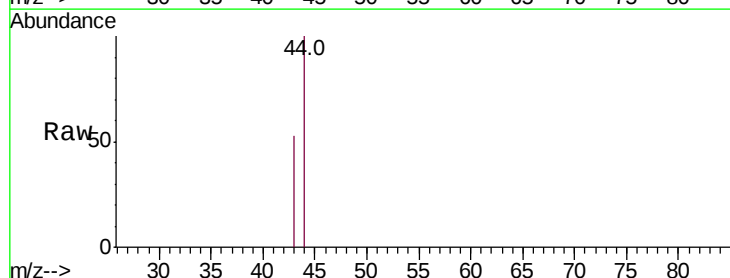
Acq: 7 Dec 2020 17:36

Tgt Ion: 43 Resp: 495

Ion Ratio Lower Upper

43 100

58 0.0 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.79

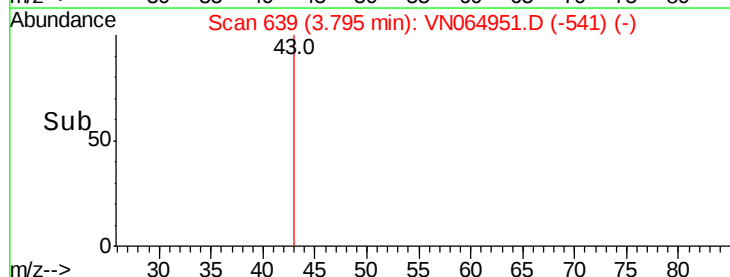
300

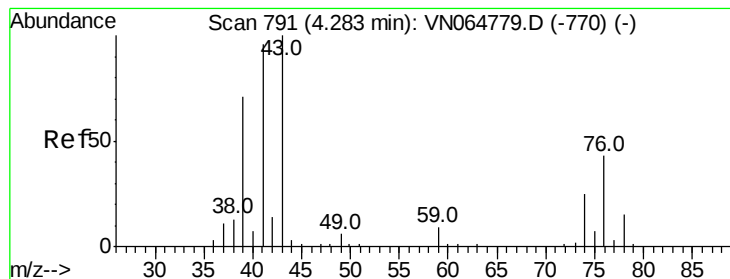
200

100

0

Time--> 3.74 3.76 3.78 3.80 3.82





#18

Methvl Acetate

Concen: 0.369 ug/l

RT: 4.03 min Scan# 713

Delta R.T. -0.25 min

Lab File: VN064951.D

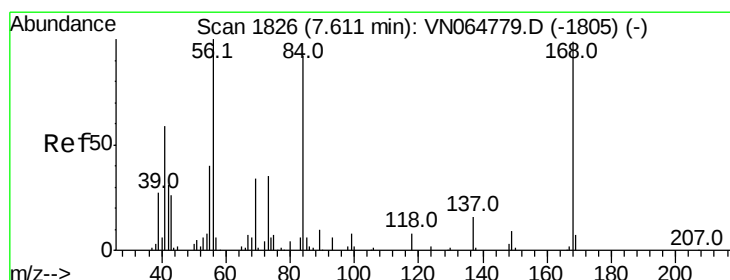
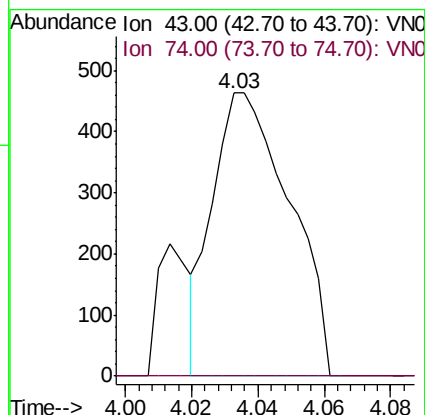
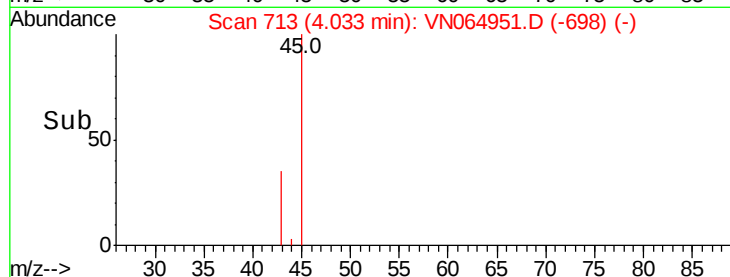
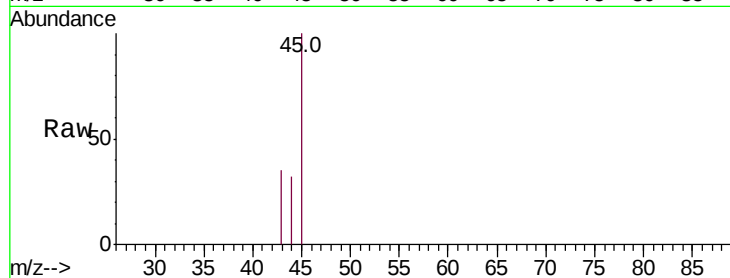
Acq: 7 Dec 2020 17:36

Tot Ion: 43 Resp: 748

Ion Ratio Lower Upper

43 100

74 0.0 20.2 30.2#



#31

Cyclohexane

Concen: 1.205 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN064951.D

Acq: 7 Dec 2020 17:36

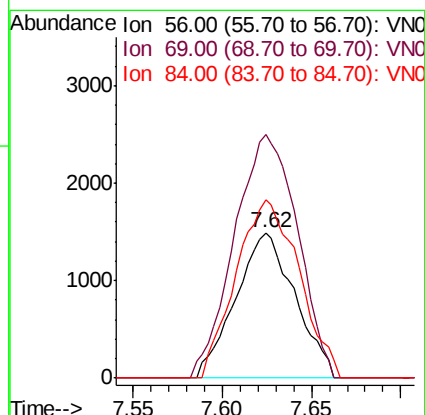
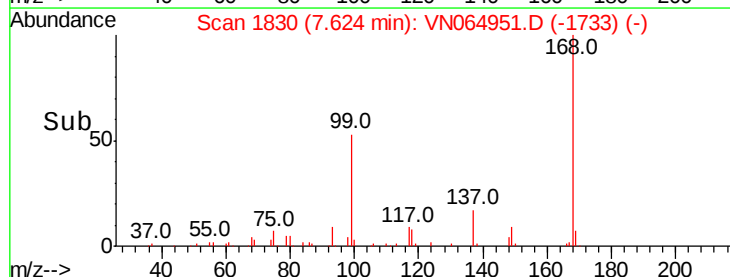
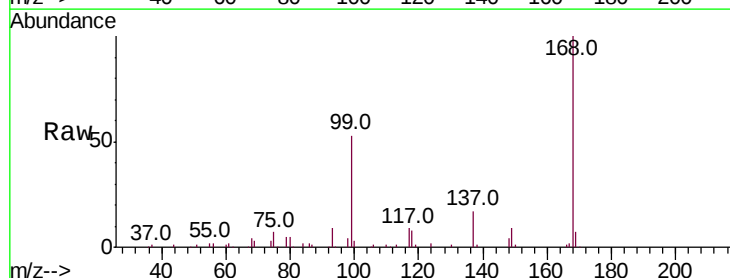
Tgt Ion: 56 Resp: 3443

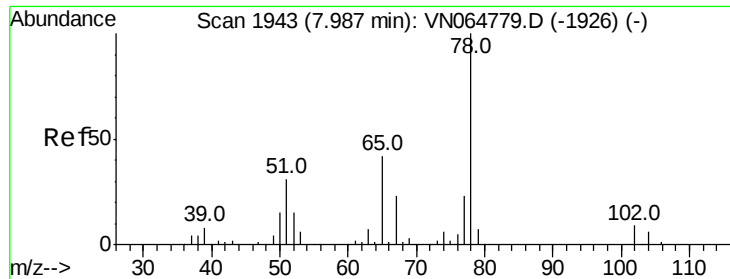
Ion Ratio Lower Upper

56 100

69 167.5 27.5 41.3#

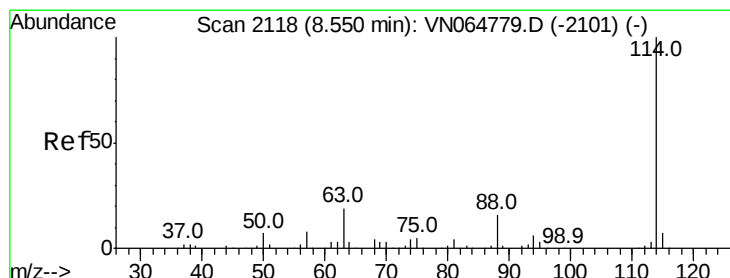
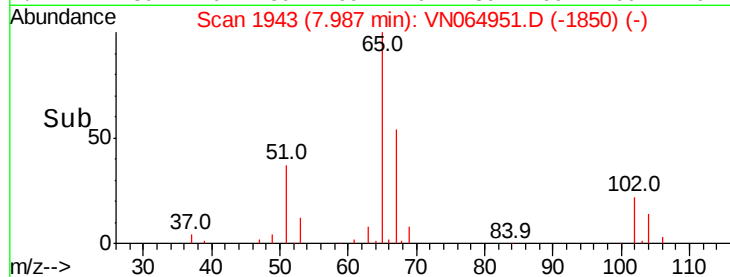
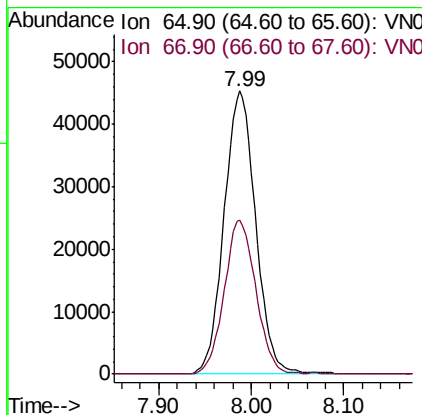
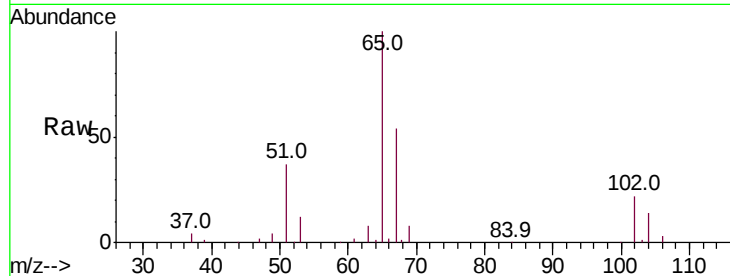
84 122.6 73.9 110.9#





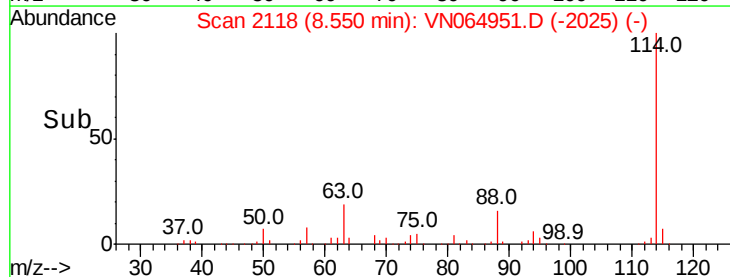
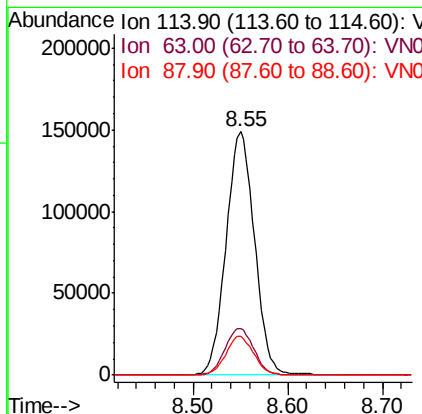
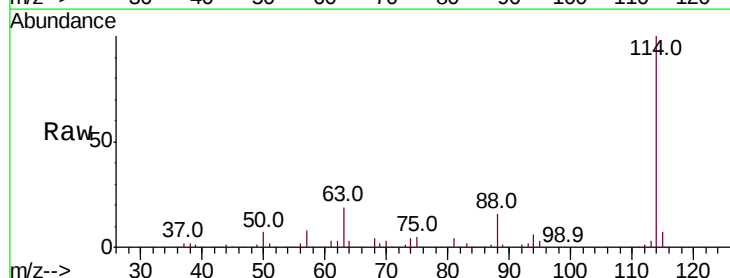
#33
 1,2-Dichloroethane-d4
 Concen: 52.290 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064951.D
 Acq: 7 Dec 2020 17:36

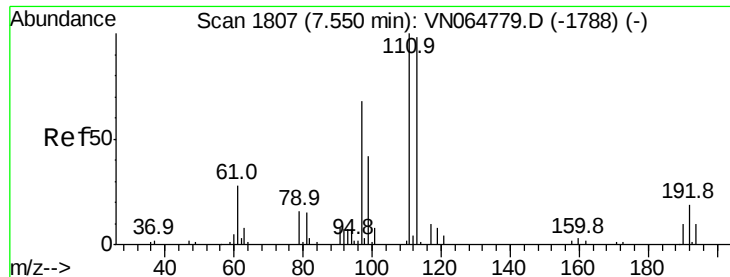
Tot Ion: 65 Resp: 107222
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064951.D
 Acq: 7 Dec 2020 17:36

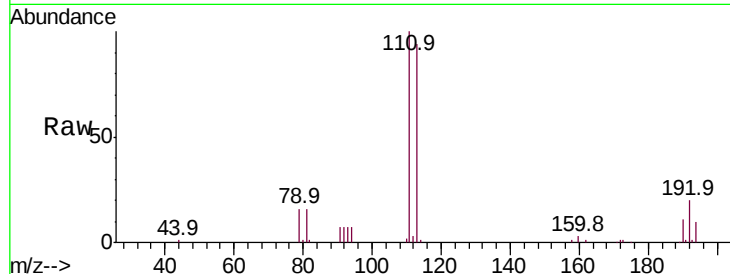
Tgt Ion: 114 Resp: 312171
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.6
 88 15.7 0.0 32.6



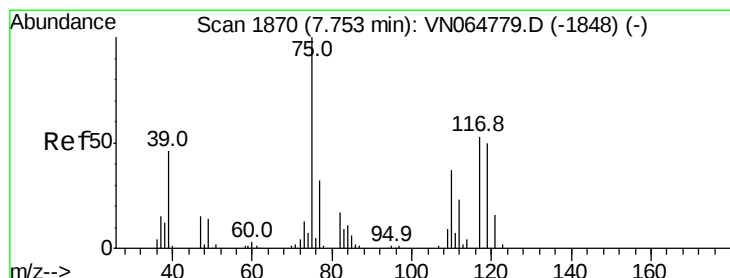
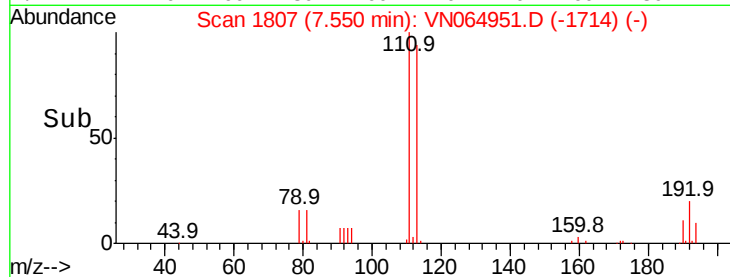
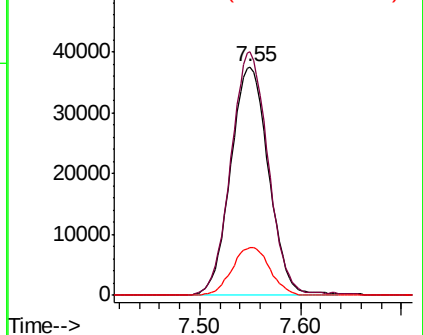


#35
 Dibromofluoromethane
 Concen: 52.532 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064951.D
 Acq: 7 Dec 2020 17:36

Tot Ion:113 Resp: 98127
 Ion Ratio Lower Upper
 113 100
 111 104.5 81.6 122.4
 192 20.7 16.2 24.2

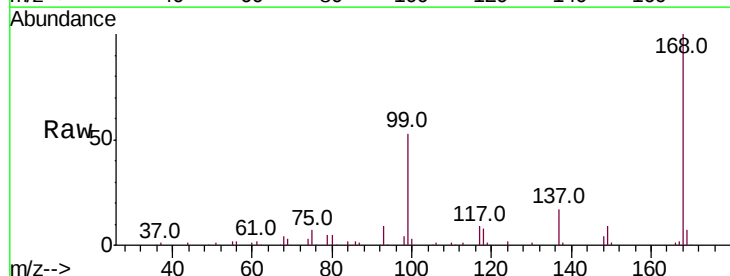


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

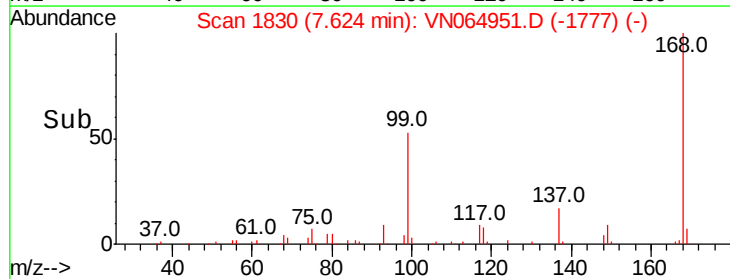
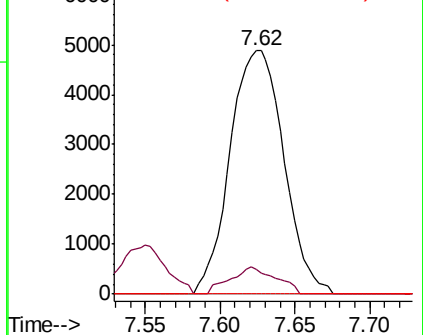


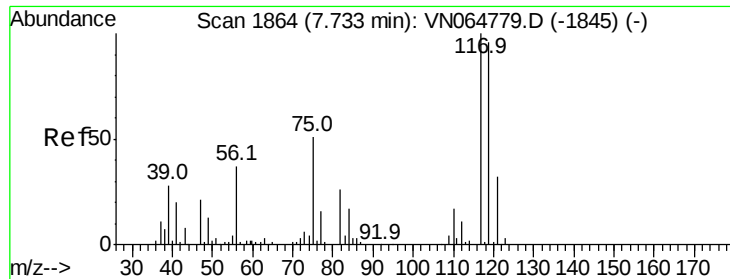
#36
 1,1-Dichloropropene
 Concen: 4.221 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064951.D
 Acq: 7 Dec 2020 17:36

Tgt Ion: 75 Resp: 12214
 Ion Ratio Lower Upper
 75 100
 110 9.5 17.8 53.3#
 77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.691 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN064951.D

Acq: 7 Dec 2020 17:36

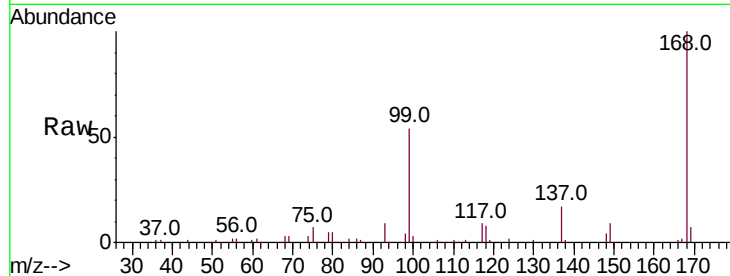
Tot Ion:117 Resp: 17135

Ion Ratio Lower Upper

117 100

119 5.7 76.7 115.1#

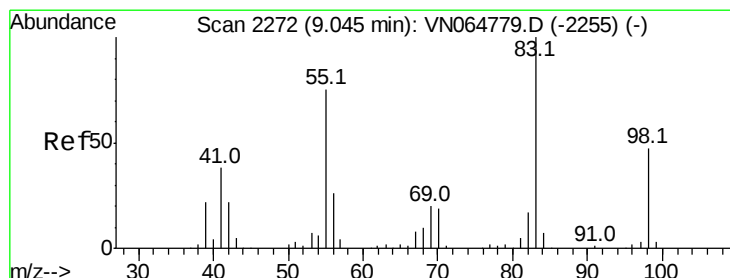
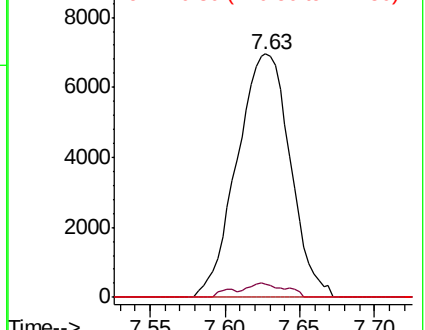
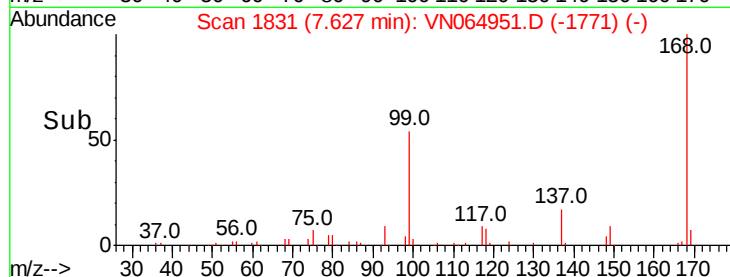
121 0.0 25.4 38.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.249 ug/l

RT: 9.05 min Scan# 2274

Delta R.T. 0.01 min

Lab File: VN064951.D

Acq: 7 Dec 2020 17:36

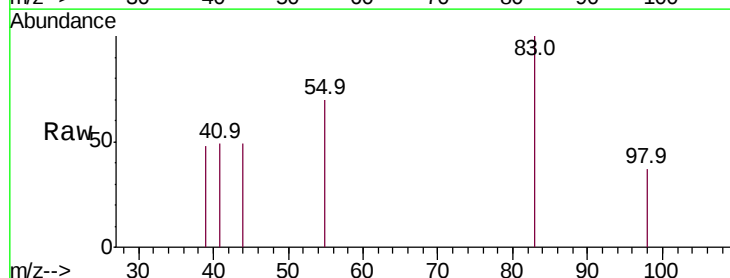
Tgt Ion: 83 Resp: 777

Ion Ratio Lower Upper

83 100

55 69.8 60.2 90.2

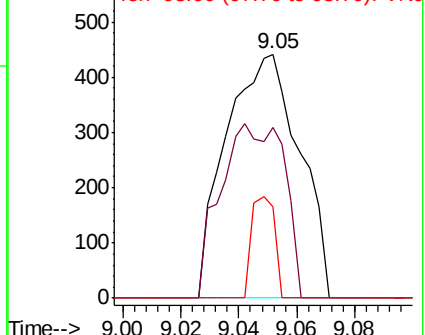
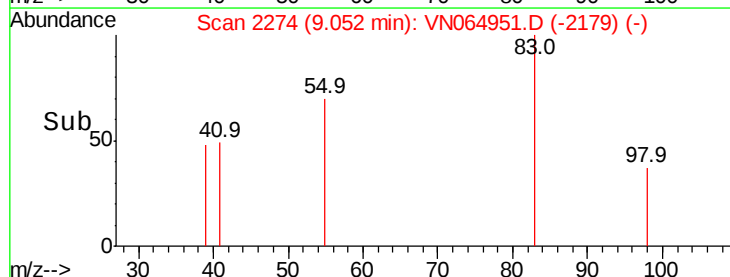
98 37.4 37.4 56.2#

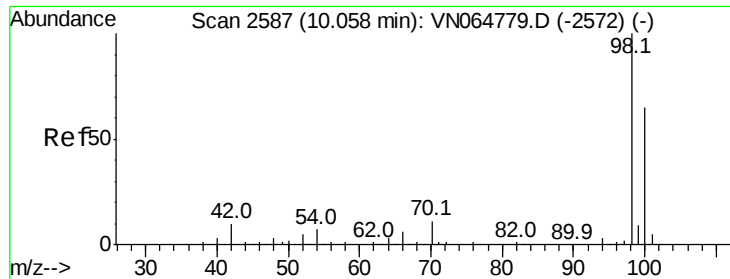


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

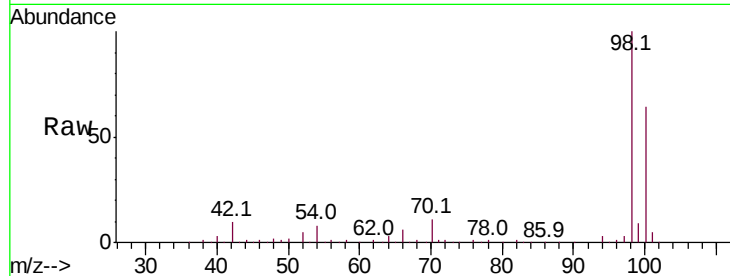
Ion 98.00 (97.70 to 98.70): VNO



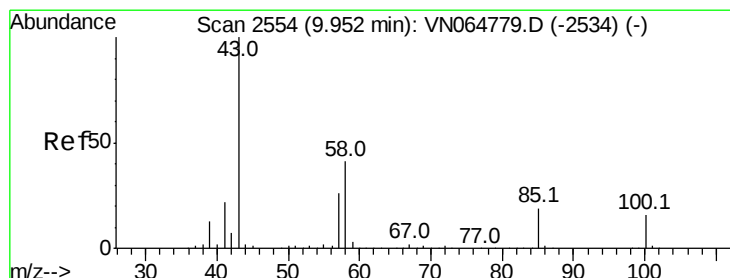
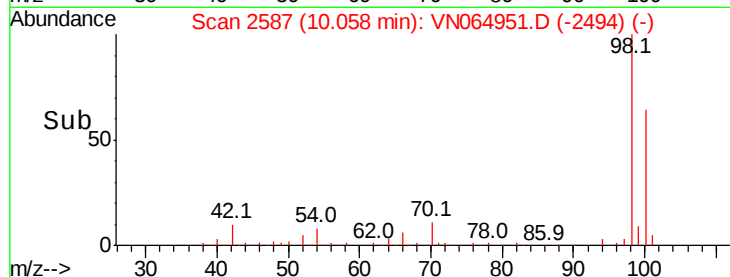
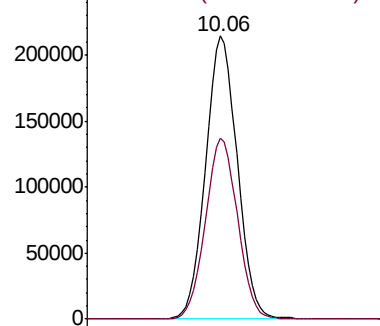


#50
Toluene-d8
Concen: 50.678 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064951.D
Acq: 7 Dec 2020 17:36

Tot Ion: 98 Resp: 386787
Ion Ratio Lower Upper
98 100
100 64.6 51.7 77.5

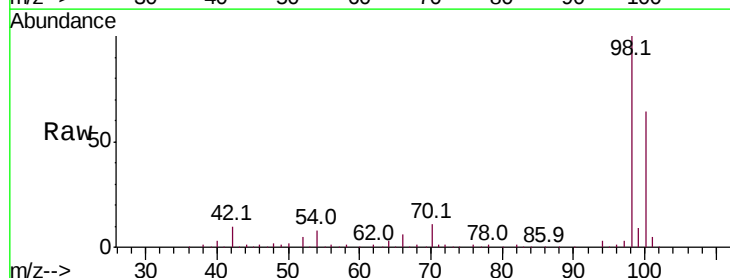


Abundance Ion 98.00 (97.70 to 98.70): VN064779.D (-2572) (-)
Ion 100.00 (99.70 to 100.70): VN064779.D (-2572) (-)

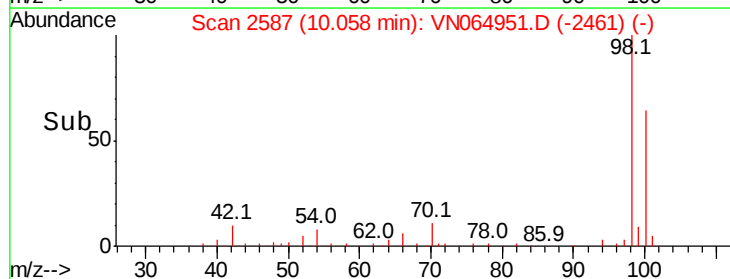
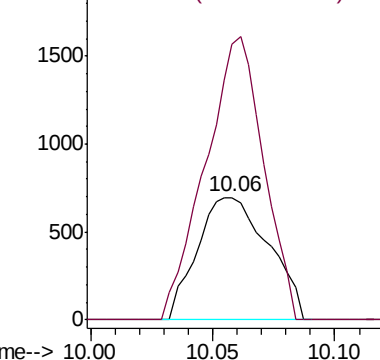


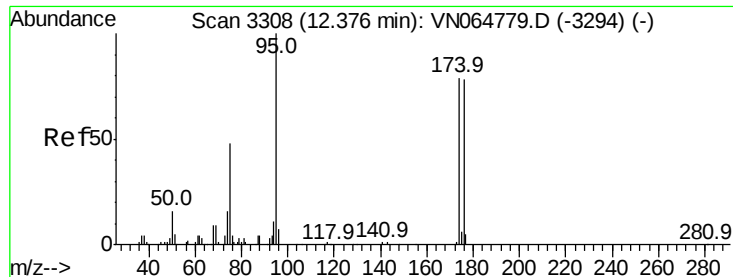
#51
4-Methyl-2-Pentanone
Concen: 0.524 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.11 min
Lab File: VN064951.D
Acq: 7 Dec 2020 17:36

Tgt Ion: 43 Resp: 1410
Ion Ratio Lower Upper
43 100
58 188.6 32.4 48.6#



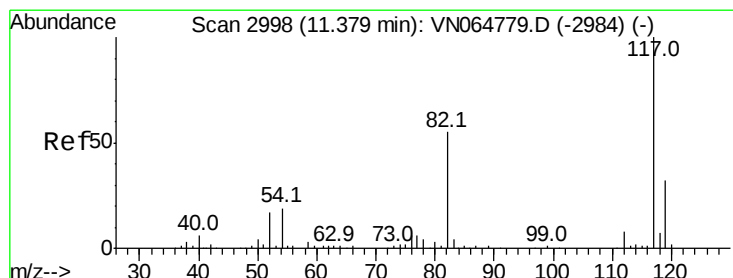
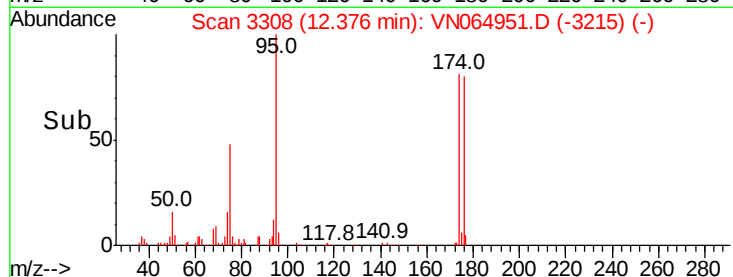
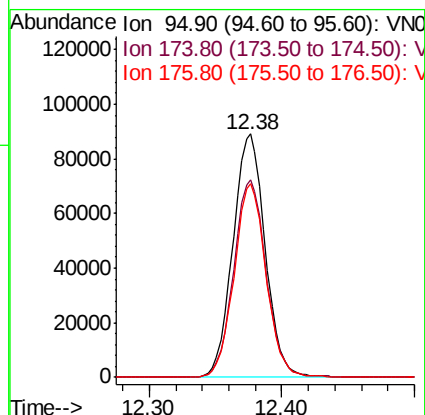
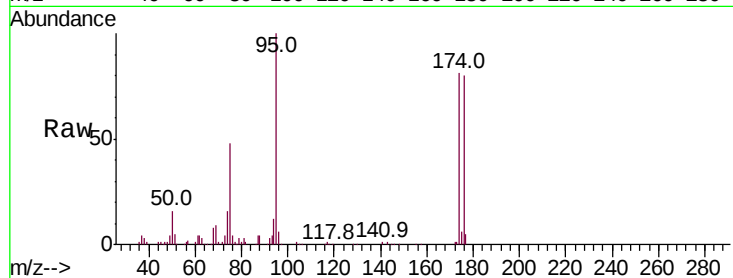
Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-2534) (-)
Ion 58.00 (57.70 to 58.70): VN064779.D (-2534) (-)





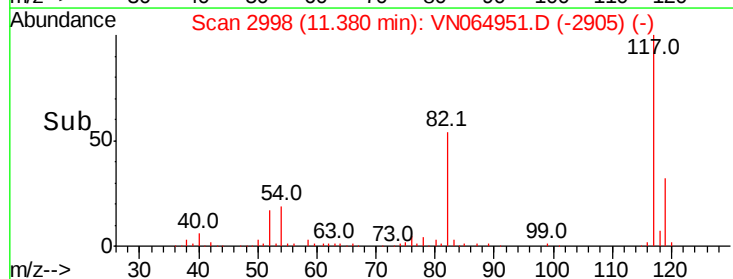
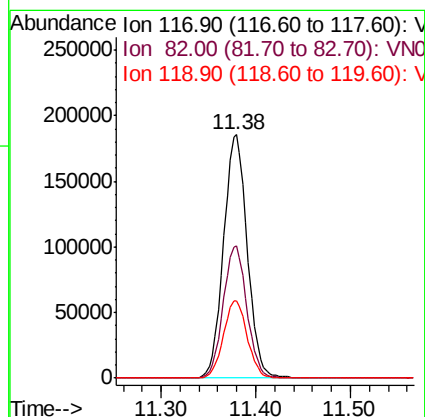
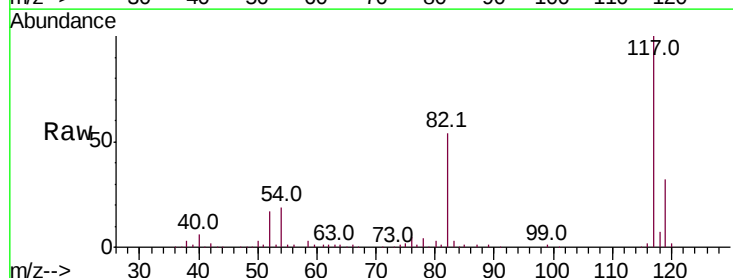
#62
4-Bromofluorobenzene
Concen: 54.990 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064951.D
Acq: 7 Dec 2020 17:36

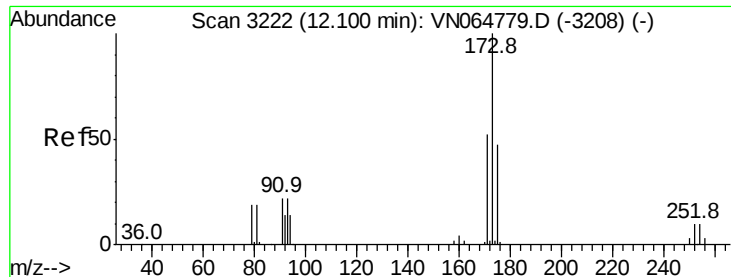
Tot Ion	Ratio	Lower	Upper
95	100		
174	81.8	0.0	160.4
176	79.1	0.0	158.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064951.D
Acq: 7 Dec 2020 17:36

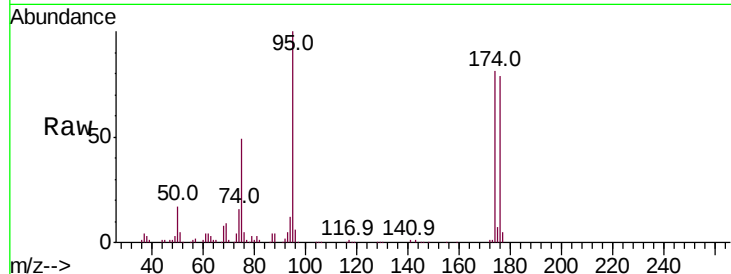
Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.1	44.2	66.2
119	31.8	25.8	38.6



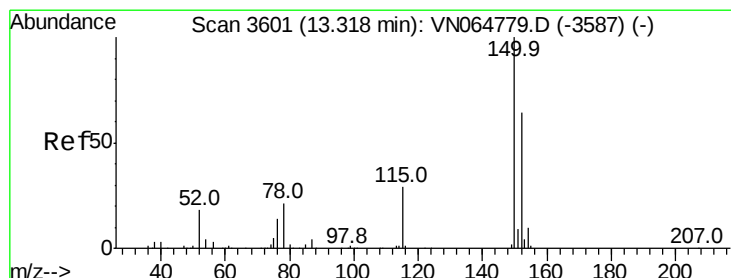
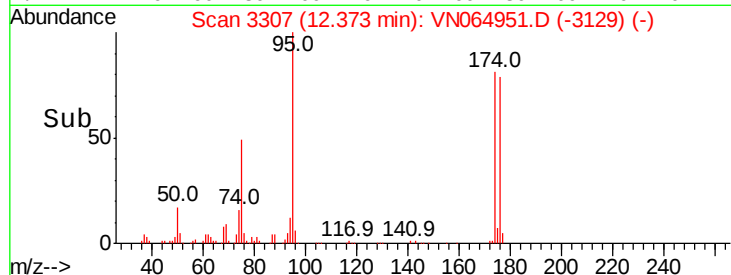
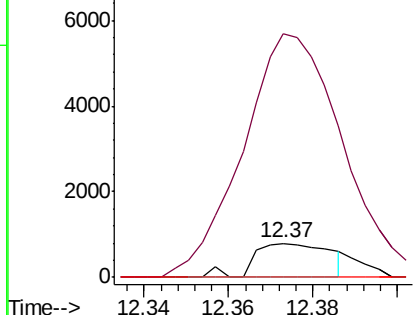


#71
Bromoform
Concen: 0.486 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. 0.27 min
Lab File: VN064951.D
Acq: 7 Dec 2020 17:36

Tot Ion:173 Resp: 990
Ion Ratio Lower Upper
173 100
175 811.8 24.3 72.8#
254 0.0 0.0 0.0

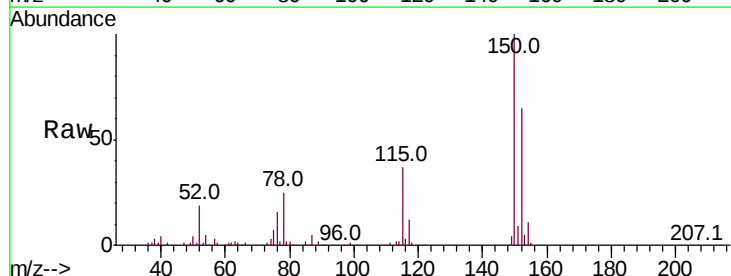


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

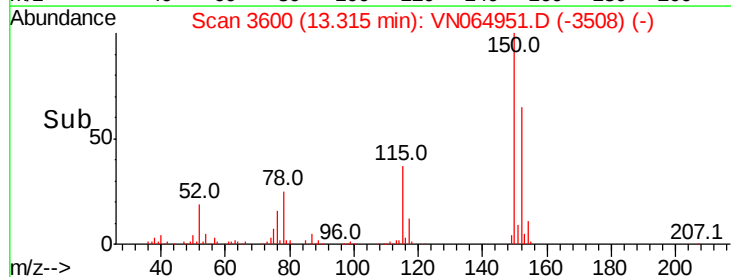
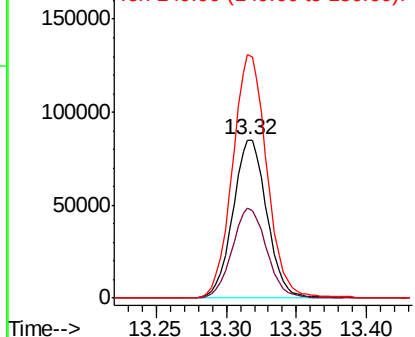


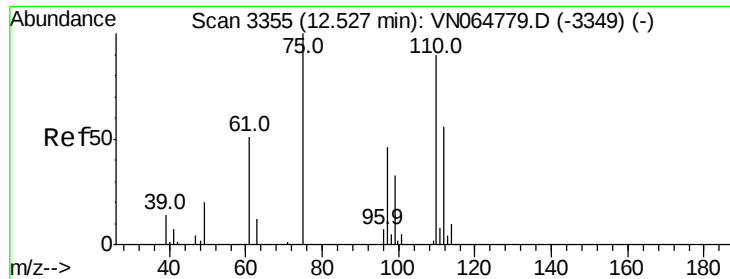
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN064951.D
Acq: 7 Dec 2020 17:36

Tgt Ion:152 Resp: 143523
Ion Ratio Lower Upper
152 100
115 57.9 29.7 89.1
150 155.8 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: 23.063 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064951.D

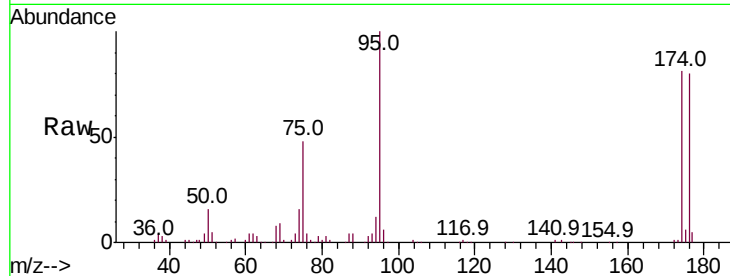
Acq: 7 Dec 2020 17:36

Tot Ion: 75 Resp: 71286

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

12.38

40000

30000

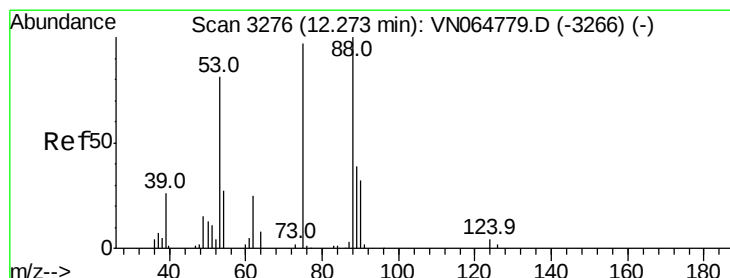
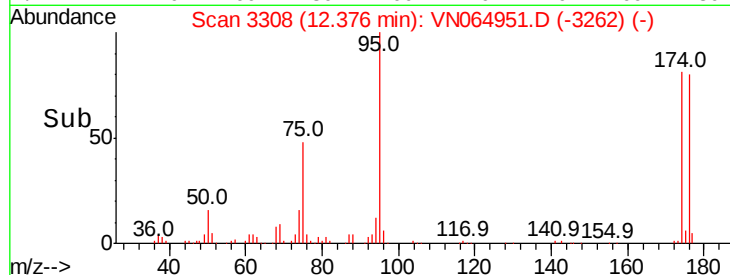
20000

10000

0

Time-->

12.30 12.35 12.40 12.45



#81

trans-1,4-Dichloro-2-butene

Concen: 63.211 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064951.D

Acq: 7 Dec 2020 17:36

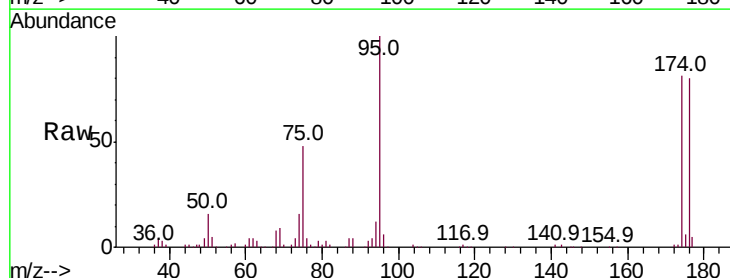
Tgt Ion: 75 Resp: 71286

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

12.38

50000

40000

30000

20000

10000

0

Time-->

12.30 12.35 12.40 12.45

