

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120720\
 Data File : VN064949.D
 Acq On : 7 Dec 2020 16:48
 Operator : JC/MD
 Sample : L4954-21
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 08 07:16:39 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	179704	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	316812	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	328393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	144761	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	106708	51.08	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	102.16%
35) Dibromofluoromethane	7.55	113	100700	53.12	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	106.24%
50) Toluene-d8	10.06	98	396460	51.18	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.36%
62) 4-Bromofluorobenzene	12.37	95	153119	55.24	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	110.48%

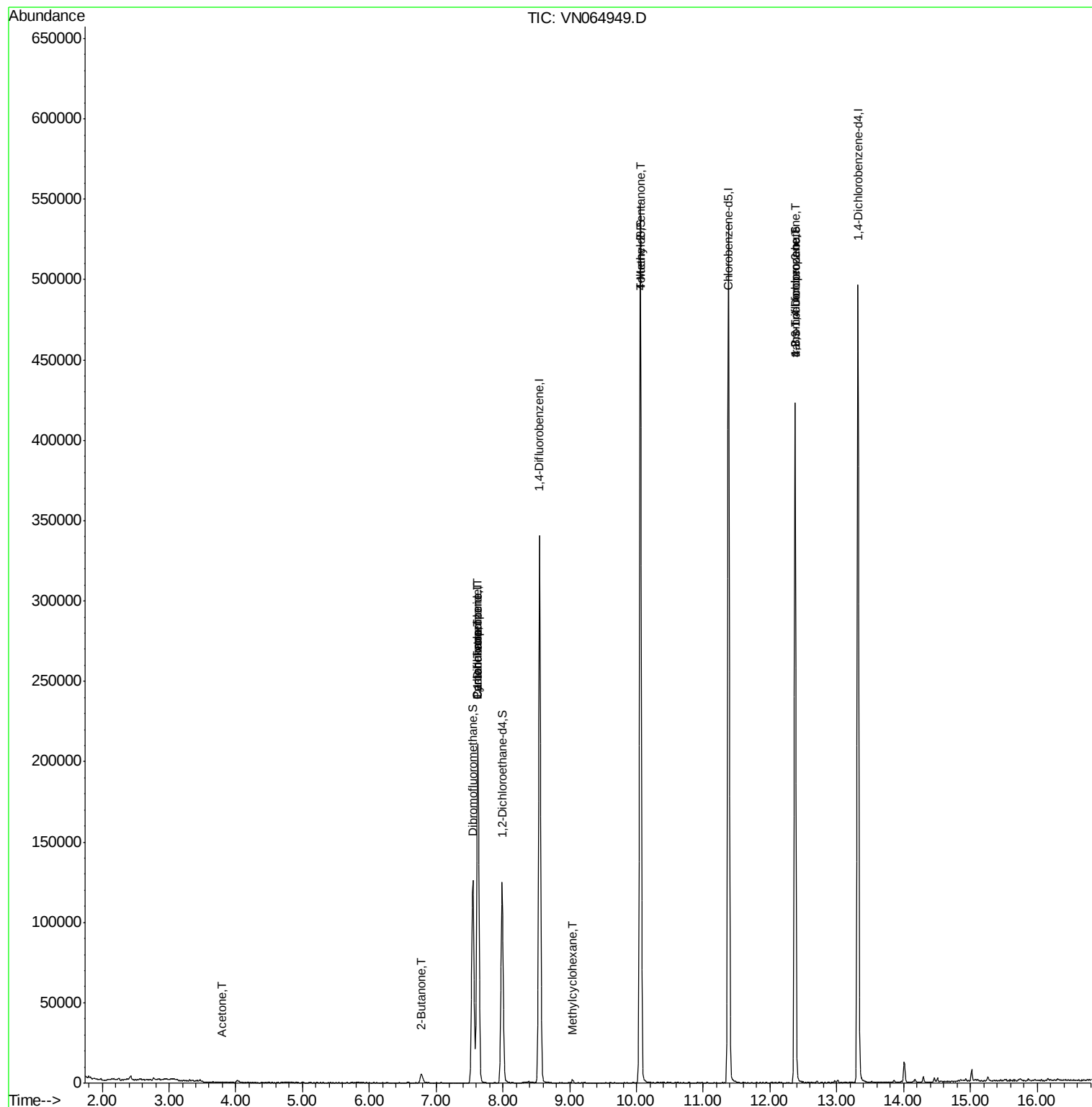
Target Compounds

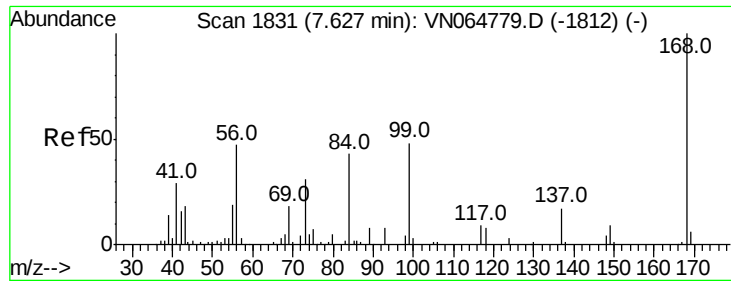
					Qvalue	
16) Acetone	3.79	43	630	0.917	ug/l #	65
25) 2-Butanone	6.78	43	357	0.321	ug/l #	49
31) Cyclohexane	7.62	56	2984	1.025	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	12286	4.184	ug/l #	51
38) Carbon Tetrachloride	7.62	117	16863	5.519	ug/l #	15
39) Methylcyclohexane	9.05	83	838	0.265	ug/l #	81
51) 4-Methyl-2-Pentanone	10.06	43	1770	0.648	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	72024	23.103	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	72024	63.319	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: VN064949.D

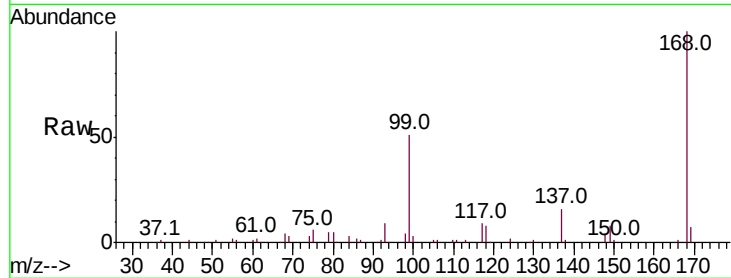
Acq: 7 Dec 2020 16:48

Tot Ion:168 Resp: 179704

Ion Ratio Lower Upper

168 100

99 50.8 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

80000

60000

40000

20000

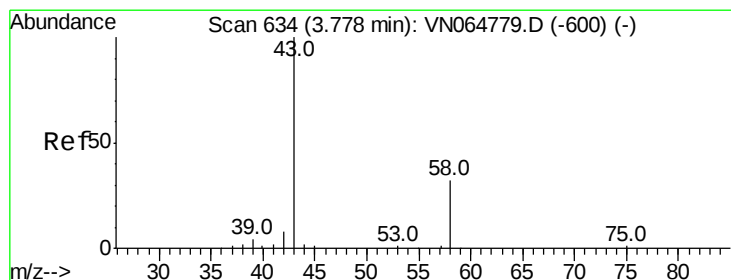
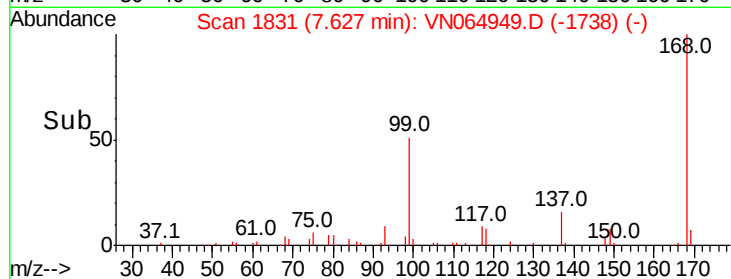
0

Time-->

7.50

7.60

7.70



#16

Acetone

Concen: 0.917 ug/l

RT: 3.79 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN064949.D

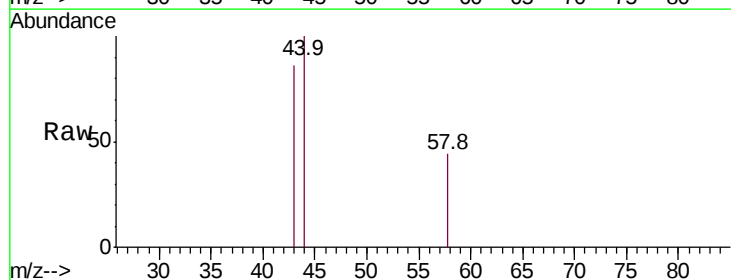
Acq: 7 Dec 2020 16:48

Tgt Ion: 43 Resp: 630

Ion Ratio Lower Upper

43 100

58 51.8 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.79

300

200

100

0

Time-->

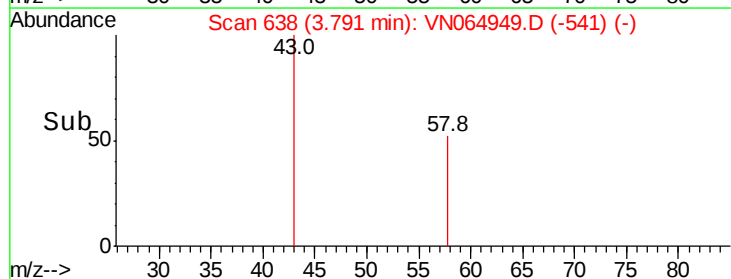
3.74

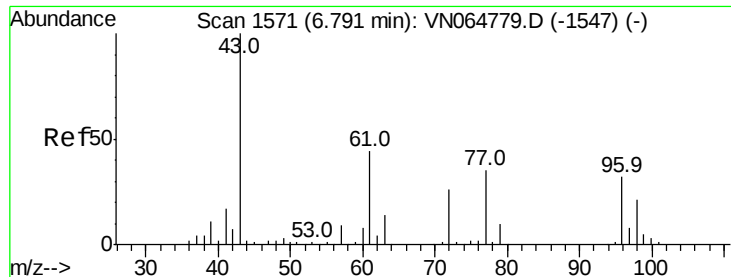
3.76

3.78

3.80

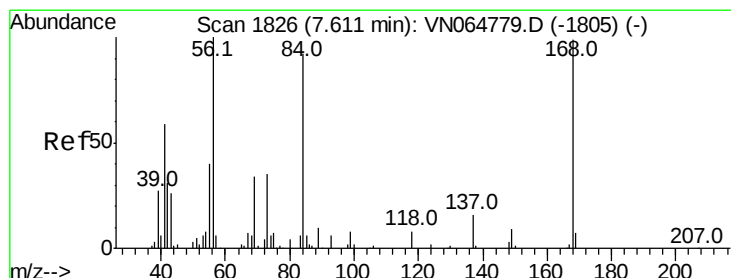
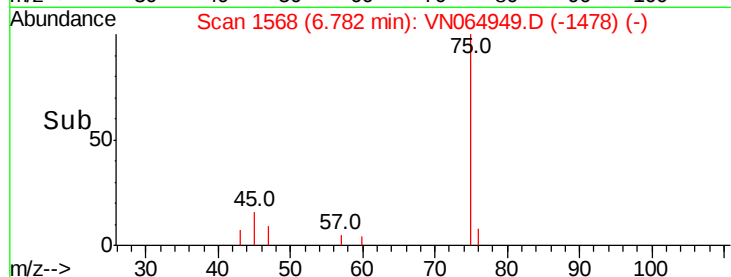
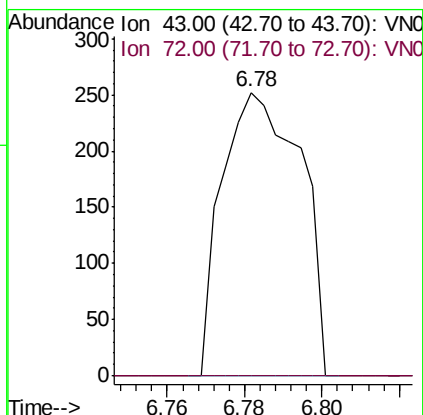
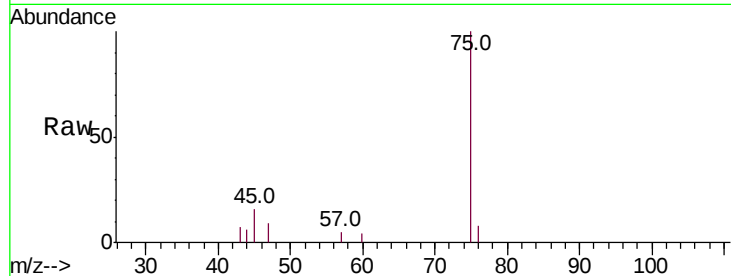
3.82





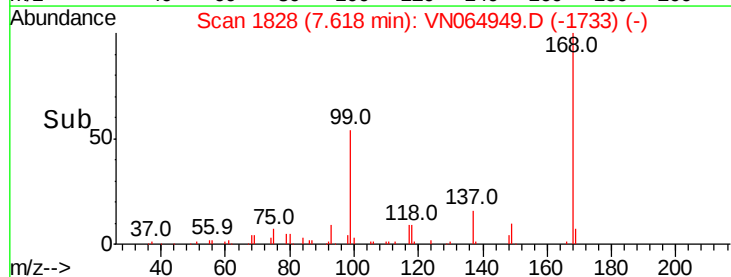
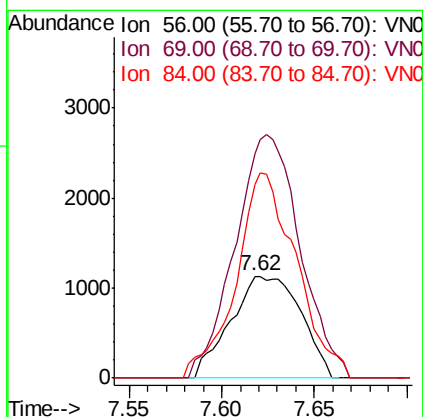
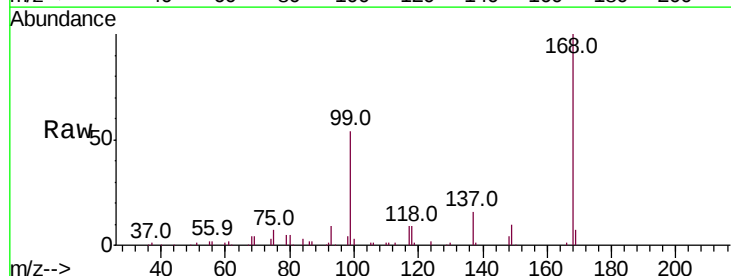
#25
2-Butanone
Concen: 0.321 ug/l
RT: 6.78 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VN064949.D
Acq: 7 Dec 2020 16:48

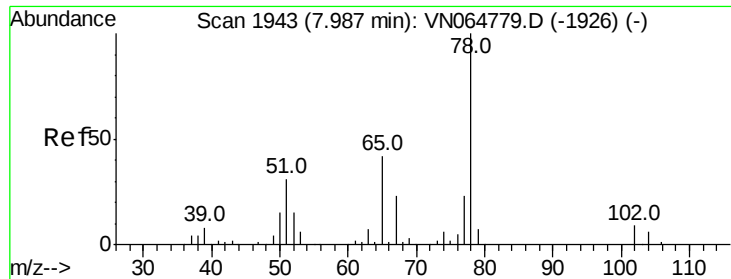
Tot Ion: 43 Resp: 357
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#



#31
Cyclohexane
Concen: 1.025 ug/l
RT: 7.62 min Scan# 1828
Delta R.T. 0.01 min
Lab File: VN064949.D
Acq: 7 Dec 2020 16:48

Tgt Ion: 56 Resp: 2984
Ion Ratio Lower Upper
56 100
69 221.0 27.5 41.3#
84 175.2 73.9 110.9#





#33

1,2-Dichloroethane-d4

Concen: 51.077 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064949.D

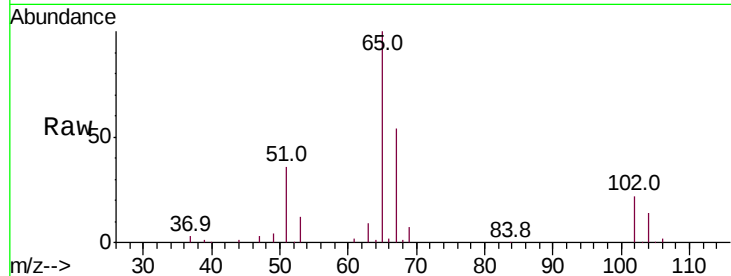
Acq: 7 Dec 2020 16:48

Tot Ion: 65 Resp: 106708

Ion Ratio Lower Upper

65 100

67 54.4 0.0 108.2



Abundance Ion 64.90 (64.60 to 65.60): VN064779.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN064779.D (-1926) (-)

7.99

50000

40000

30000

20000

10000

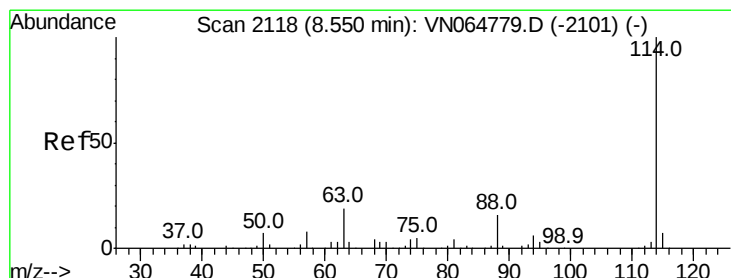
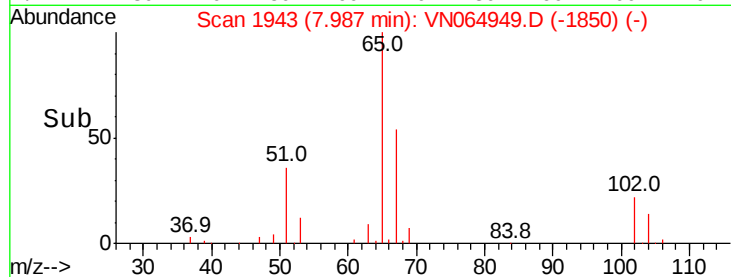
0

Time-->

7.90

8.00

8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064949.D

Acq: 7 Dec 2020 16:48

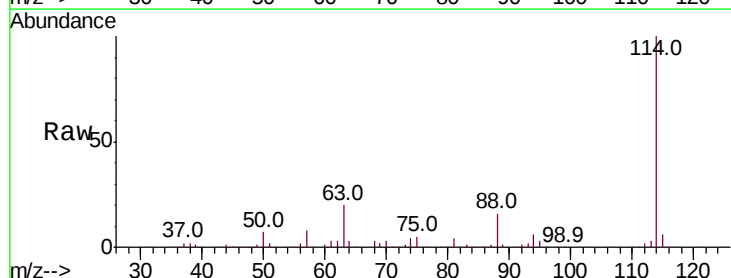
Tgt Ion: 114 Resp: 316812

Ion Ratio Lower Upper

114 100

63 20.0 0.0 38.6

88 16.0 0.0 32.6



Abundance Ion 113.90 (113.60 to 114.60): VN064779.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN064779.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN064779.D (-2101) (-)

8.55

200000

150000

100000

50000

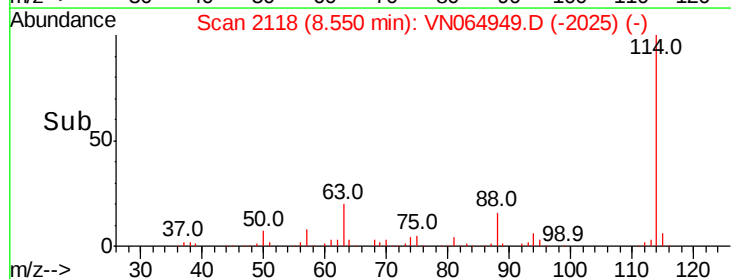
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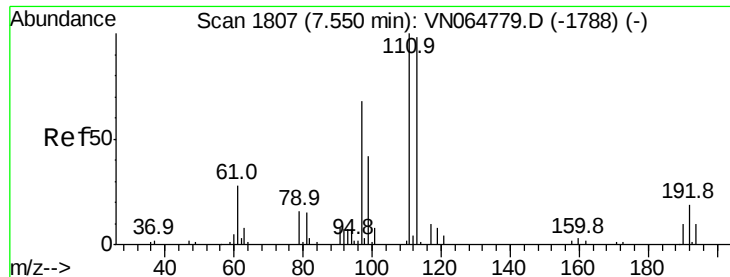
Time-->

8.50

8.60

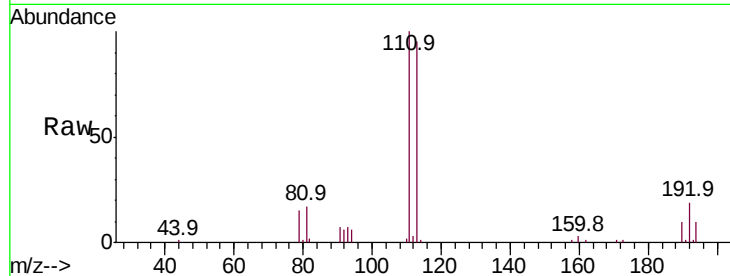
8.70



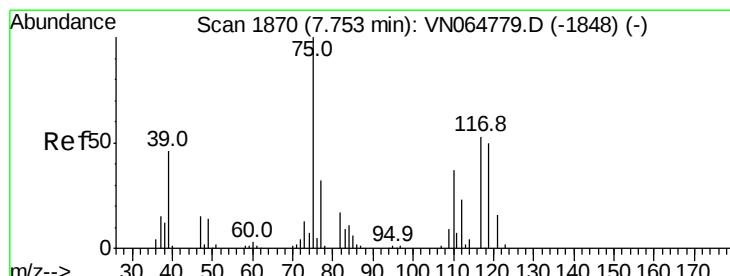
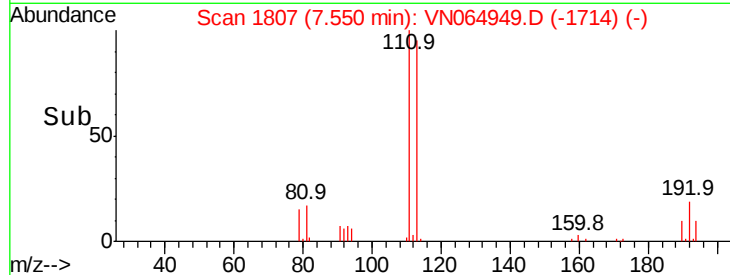
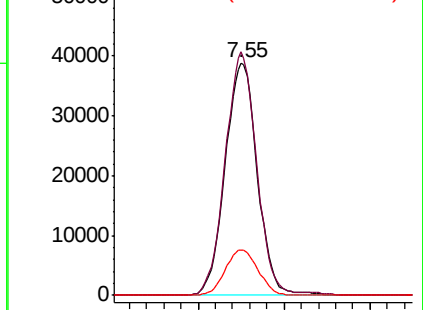


#35
 Dibromofluoromethane
 Concen: 53.120 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064949.D
 Acq: 7 Dec 2020 16:48

Tot Ion:113 Resp: 100700
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.6 122.4
 192 19.8 16.2 24.2

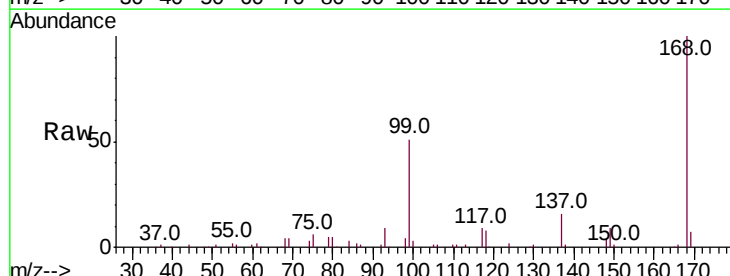


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

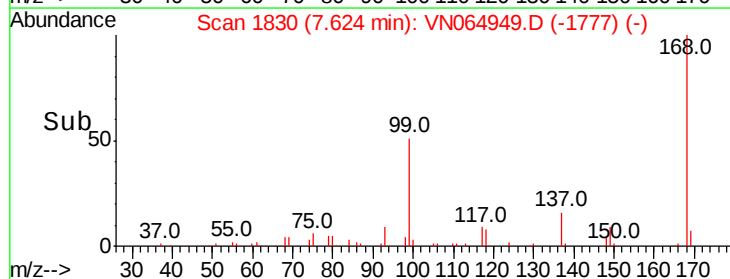
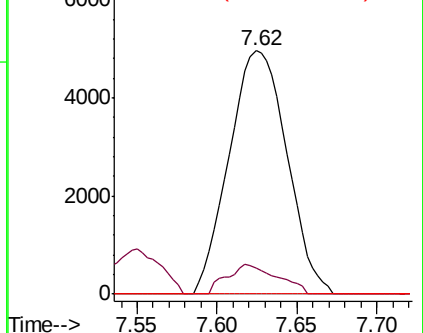


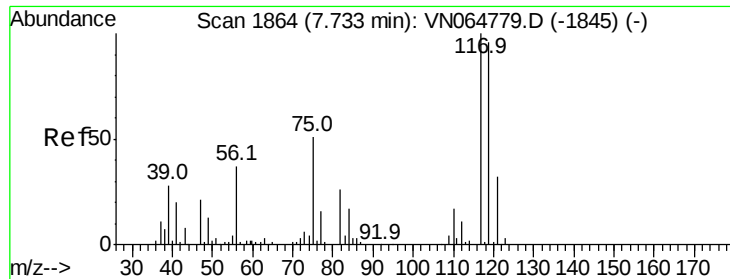
#36
 1,1-Dichloropropene
 Concen: 4.184 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064949.D
 Acq: 7 Dec 2020 16:48

Tgt Ion: 75 Resp: 12286
 Ion Ratio Lower Upper
 75 100
 110 10.5 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: 5.519 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN064949.D

Acq: 7 Dec 2020 16:48

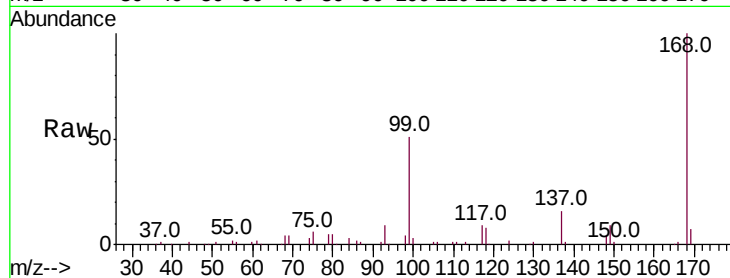
Tot Ion:117 Resp: 16863

Ion Ratio Lower Upper

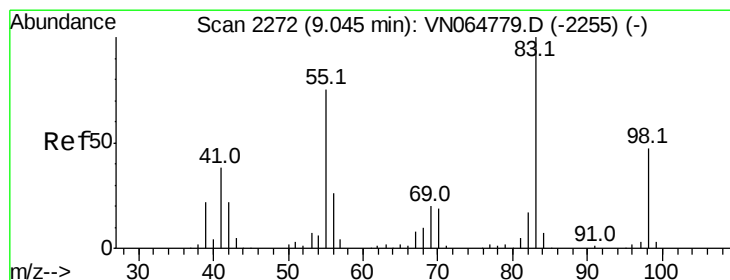
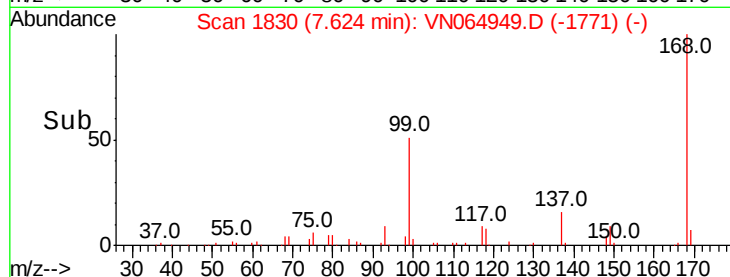
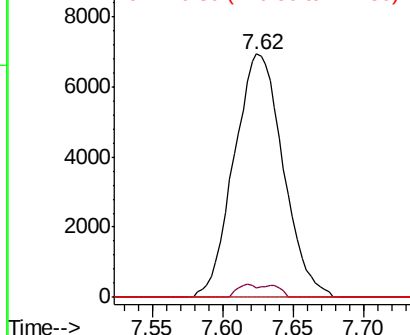
117 100

119 4.1 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: 0.265 ug/l

RT: 9.05 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN064949.D

Acq: 7 Dec 2020 16:48

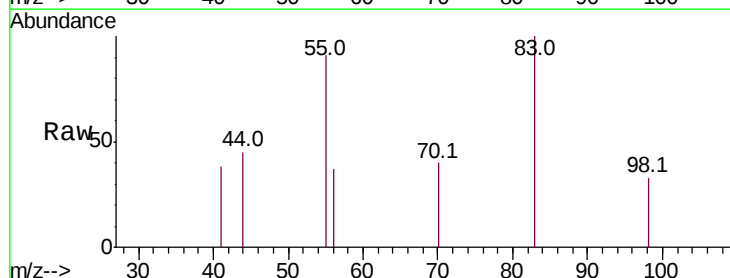
Tgt Ion: 83 Resp: 838

Ion Ratio Lower Upper

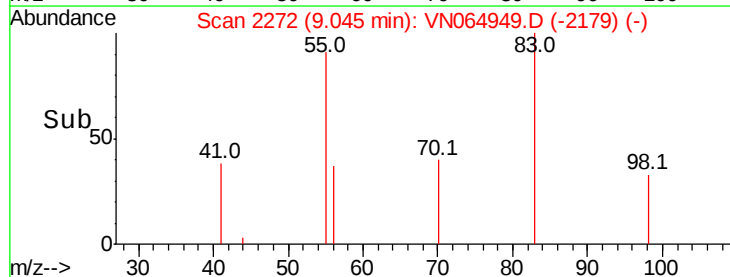
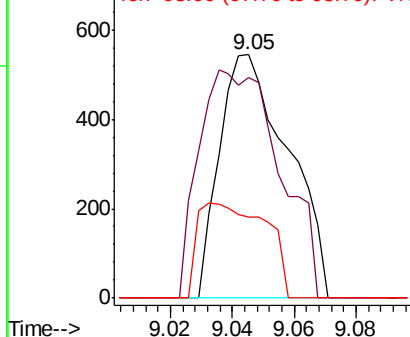
83 100

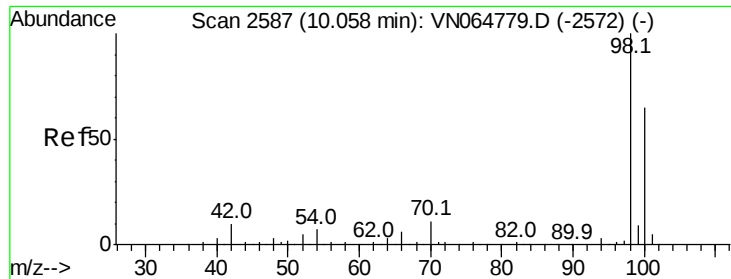
55 90.8 60.2 90.2#

98 33.5 37.4 56.2#



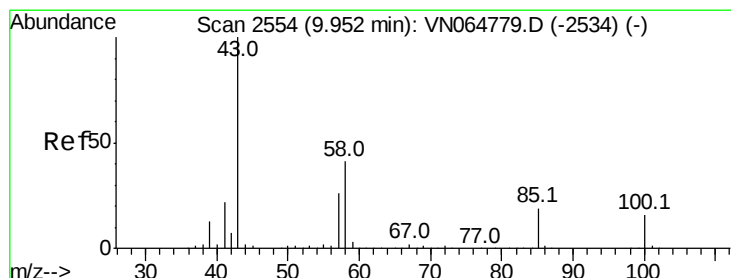
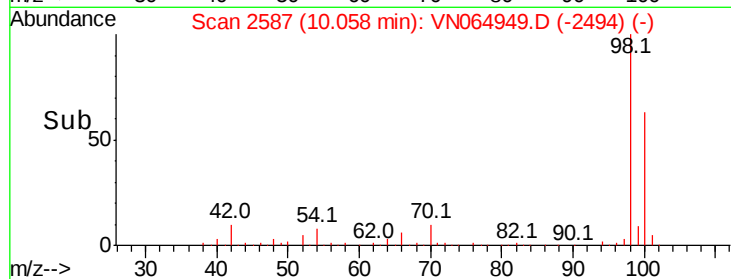
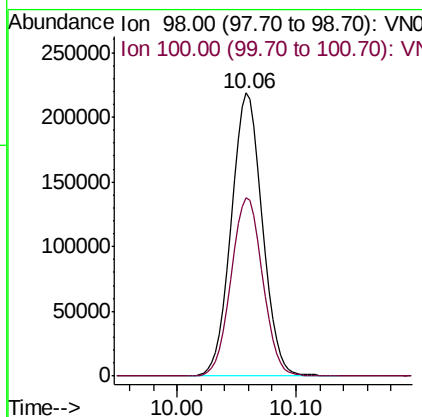
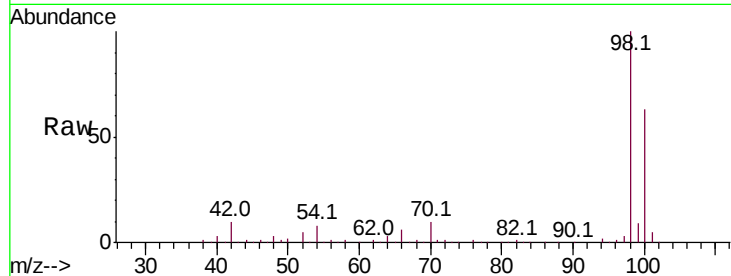
Abundance Ion 83.00 (82.70 to 83.70): V
Ion 55.00 (54.70 to 55.70): V
Ion 98.00 (97.70 to 98.70): V





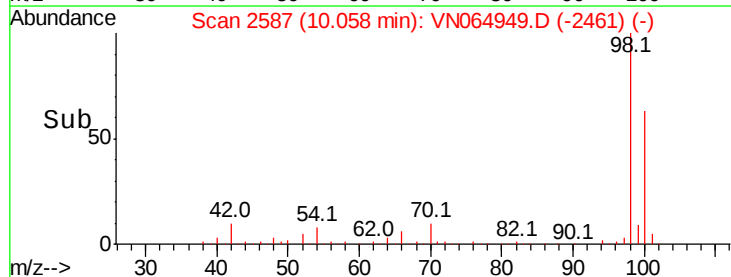
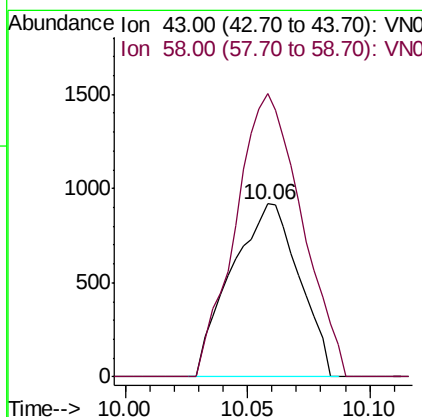
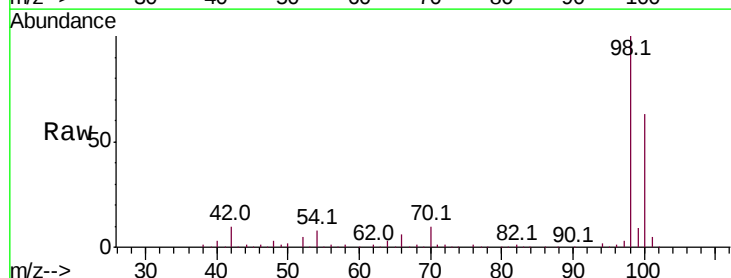
#50
Toluene-d8
Concen: 51.185 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064949.D
Acq: 7 Dec 2020 16:48

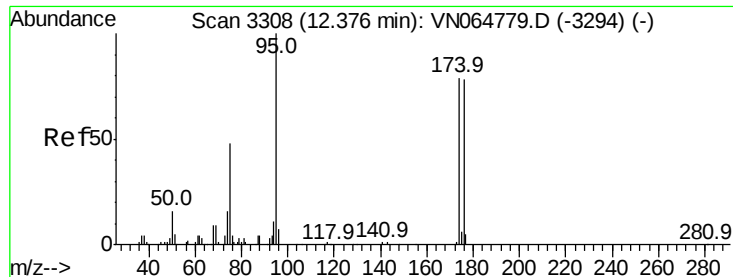
Tot Ion: 98 Resp: 396460
Ion Ratio Lower Upper
98 100
100 63.9 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.648 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.11 min
Lab File: VN064949.D
Acq: 7 Dec 2020 16:48

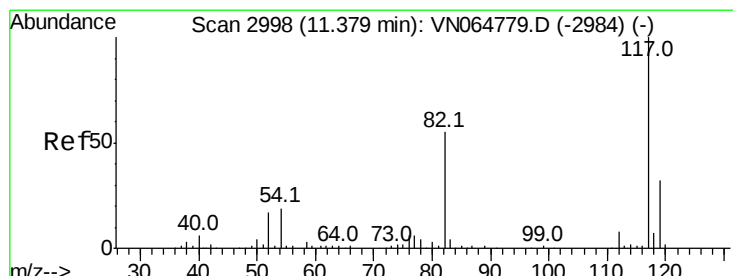
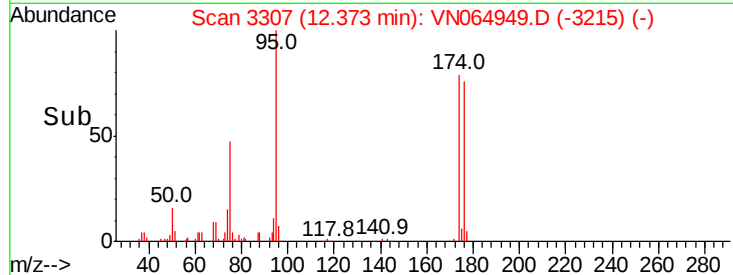
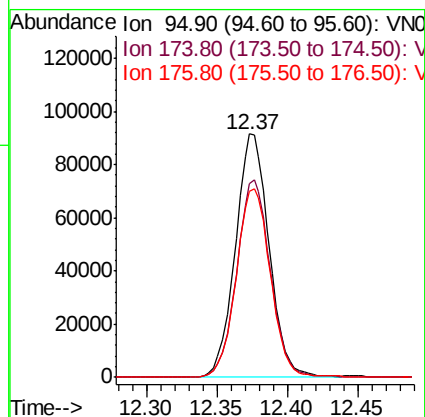
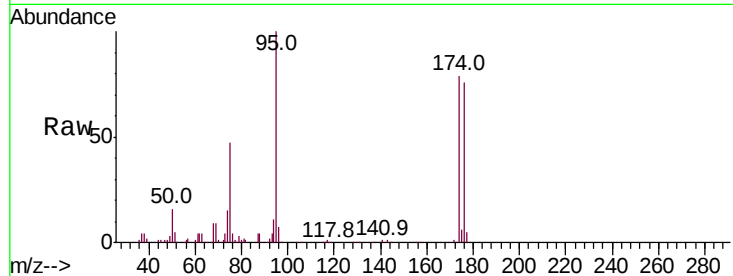
Tgt Ion: 43 Resp: 1770
Ion Ratio Lower Upper
43 100
58 159.1 32.4 48.6#





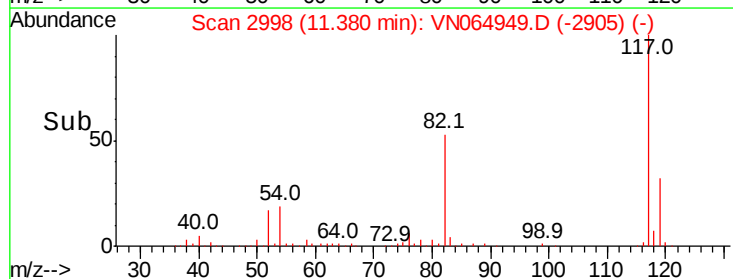
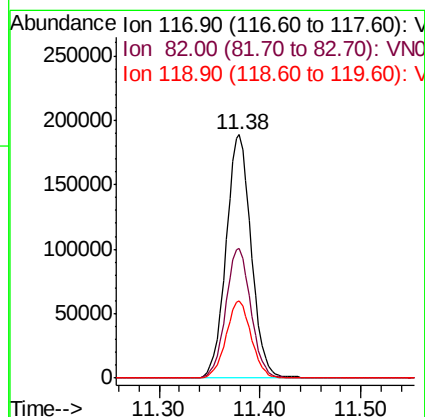
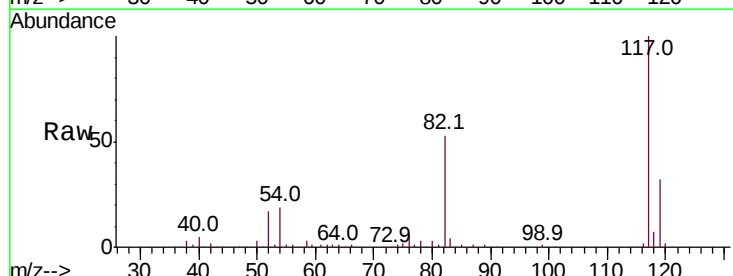
#62
4-Bromofluorobenzene
Concen: 55.237 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN064949.D
Acq: 7 Dec 2020 16:48

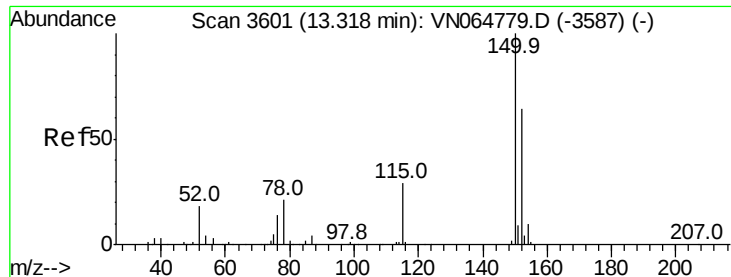
Tot Ion: 95 Resp: 153119
Ion Ratio Lower Upper
95 100
174 81.1 0.0 160.4
176 78.9 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064949.D
Acq: 7 Dec 2020 16:48

Tgt Ion: 117 Resp: 328393
Ion Ratio Lower Upper
117 100
82 53.0 44.2 66.2
119 31.5 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: VN064949.D

Acq: 7 Dec 2020 16:48

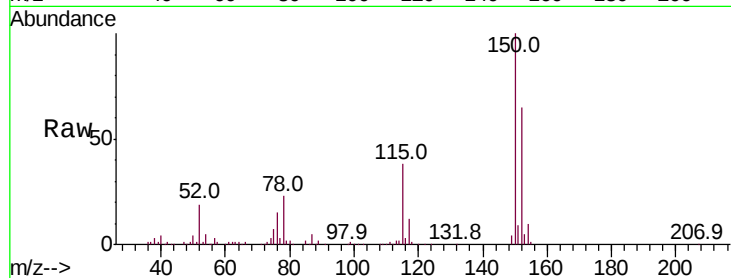
Tot Ion:152 Resp: 144761

Ion Ratio Lower Upper

152 100

115 58.3 29.7 89.1

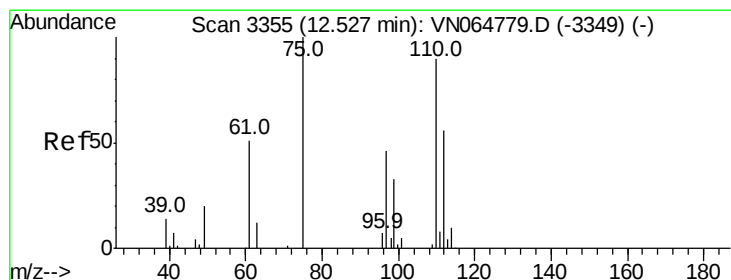
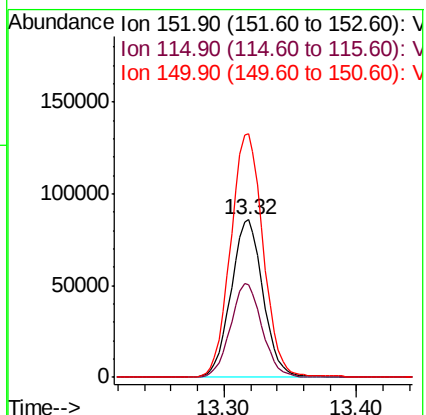
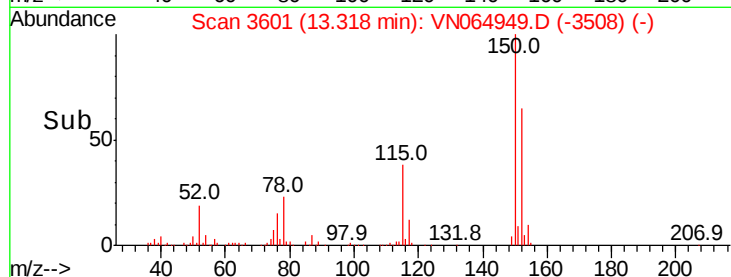
150 157.0 0.0 350.6



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: 23.103 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN064949.D

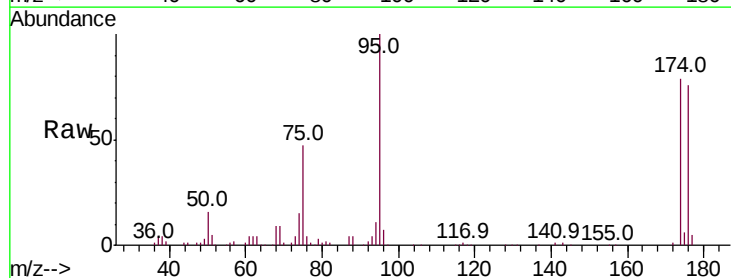
Acq: 7 Dec 2020 16:48

Tgt Ion: 75 Resp: 72024

Ion Ratio Lower Upper

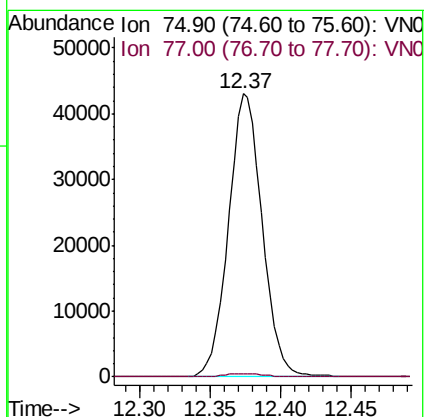
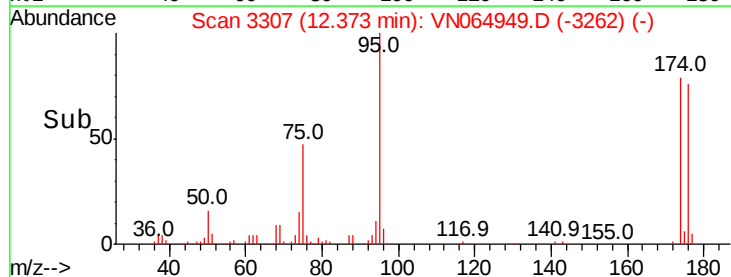
75 100

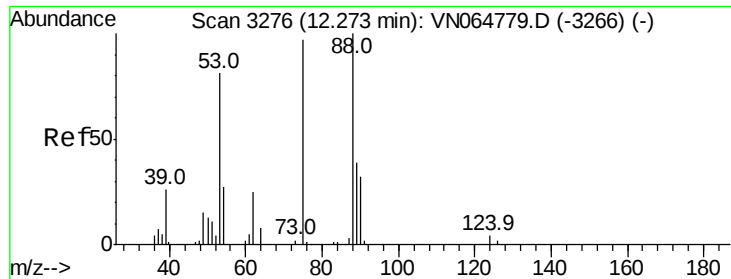
77 1.3 0.0 0.0#



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: 63.319 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. 0.10 min
 Lab File: VN064949.D
 Acq: 7 Dec 2020 16:48

Tot Ion: 75 Resp: 72024
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.0 100.4#
 89 0.0 39.6 59.4#

