

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120420\
 Data File : VN064911.D
 Acq On : 4 Dec 2020 11:47
 Operator : JC/MD
 Sample : VN1204WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBL01

Quant Time: Dec 05 01:24:31 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	167993	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	298303	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	306110	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	135732	50.00	ug/l	0.00

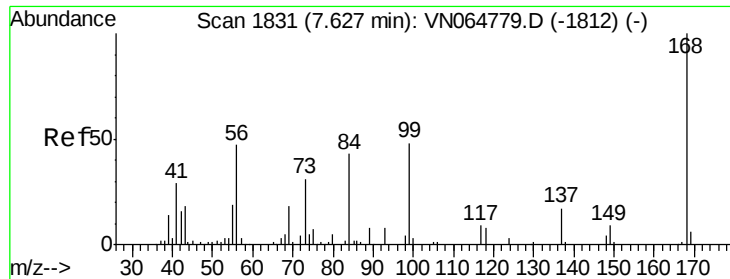
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	106495	54.53	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	109.06%
35) Dibromofluoromethane	7.55	113	95137	53.30	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	106.60%
50) Toluene-d8	10.06	98	368691	50.55	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.10%
62) 4-Bromofluorobenzene	12.38	95	138300	52.99	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	105.98%

Target Compounds

					Qvalue	
31) Cyclohexane	7.62	56	3062	1.125	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	11573	4.186	ug/l #	46
38) Carbon Tetrachloride	7.62	117	15801	5.492	ug/l #	16
51) 4-Methyl-2-Pentanone	10.06	43	1327	0.516	ug/l #	1
71) Bromoform	12.37	173	506	0.262	ug/l #	29
76) 1,2,3-Trichloropropane	12.38	75	66289	22.678	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	66289	62.154	ug/l #	15
96) 1,2,3-Trichlorobenzene	15.28	180	201	1.467	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064911.D

Acq: 4 Dec 2020 11:47

Instrument :

MSVOA_N

ClientSampleId :

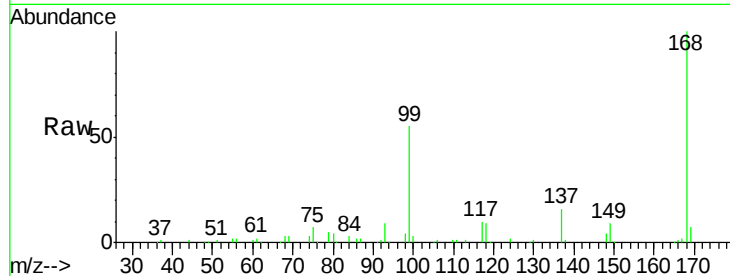
VN1204WBL01

Tot Ion:168 Resp: 167993

Ion Ratio Lower Upper

168 100

99 55.0 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

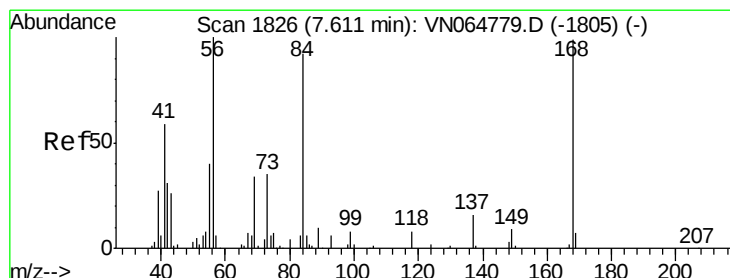
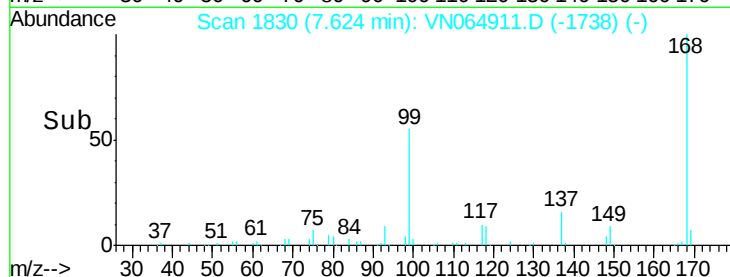
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#31

Cyclohexane

Concen: 1.125 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN064911.D

Acq: 4 Dec 2020 11:47

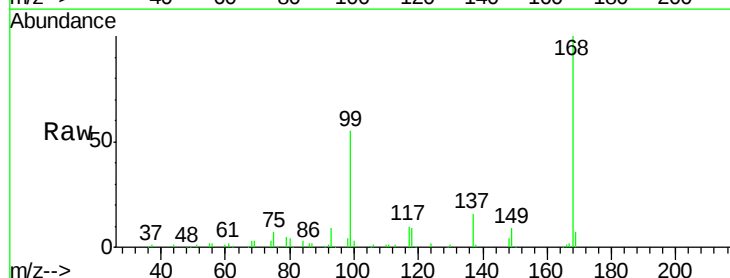
Tgt Ion: 56 Resp: 3062

Ion Ratio Lower Upper

56 100

69 173.6 27.5 41.3#

84 162.9 73.9 110.9#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 69.00 (68.70 to 69.70): VN

Ion 84.00 (83.70 to 84.70): VN

3000

2500

2000

1500

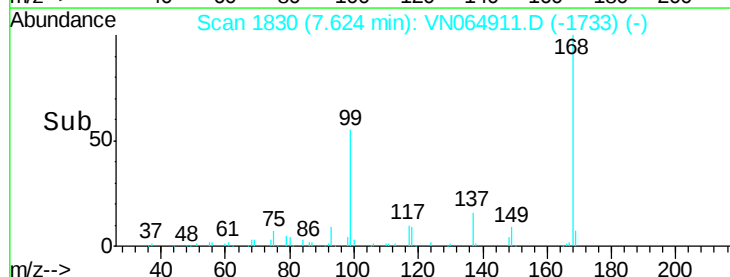
1000

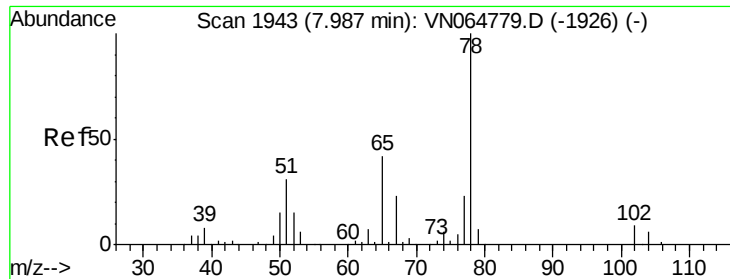
500

0

7.55 7.60 7.65 7.70

Time-->





#33

1,2-Dichloroethane-d4

Concen: 54.528 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN064911.D

Acq: 4 Dec 2020 11:47

Instrument :

MSVOA_N

ClientSampleId :

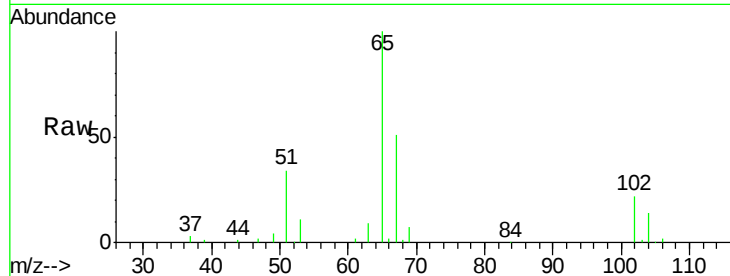
VN1204WBL01

Tot Ion: 65 Resp: 106495

Ion Ratio Lower Upper

65 100

67 52.2 0.0 108.2



Abundance Ion 64.90 (64.60 to 65.60): VN064911.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN064911.D (-1850) (-)

7.99

50000

40000

30000

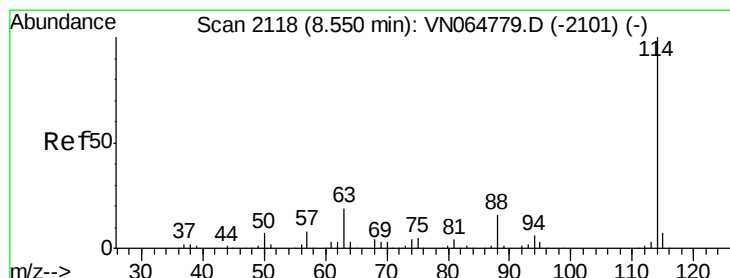
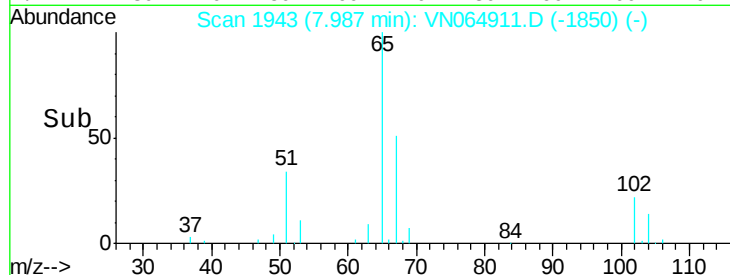
20000

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: VN064911.D

Acq: 4 Dec 2020 11:47

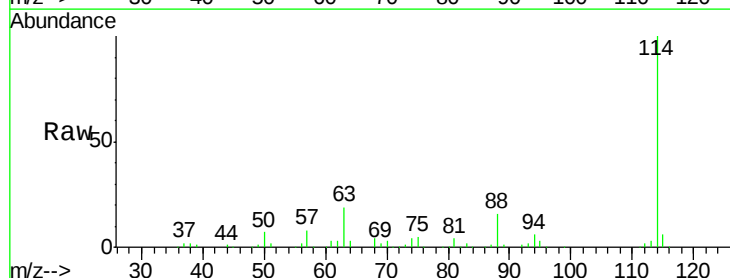
Tgt Ion: 114 Resp: 298303

Ion Ratio Lower Upper

114 100

63 18.6 0.0 38.6

88 15.7 0.0 32.6



Abundance Ion 113.90 (113.60 to 114.60): VN064911.D (-2025) (-)

Ion 63.00 (62.70 to 63.70): VN064911.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN064911.D (-2025) (-)

8.55

20000

15000

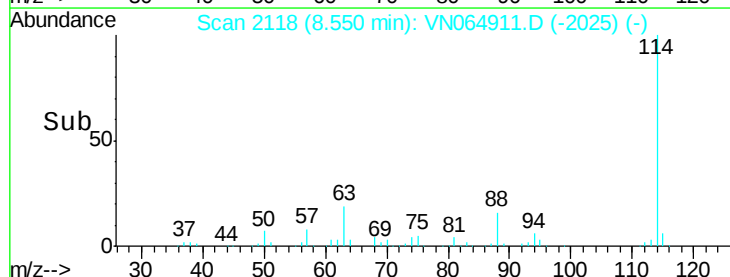
10000

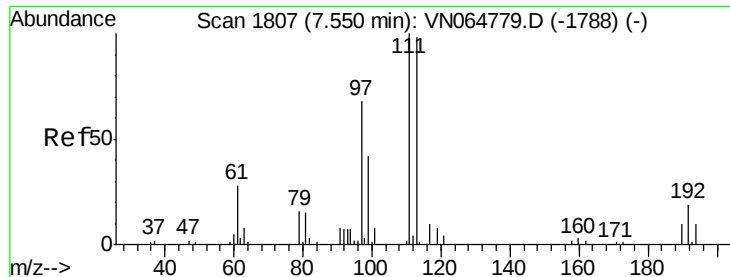
5000

0

Time-->

8.50 8.60 8.70

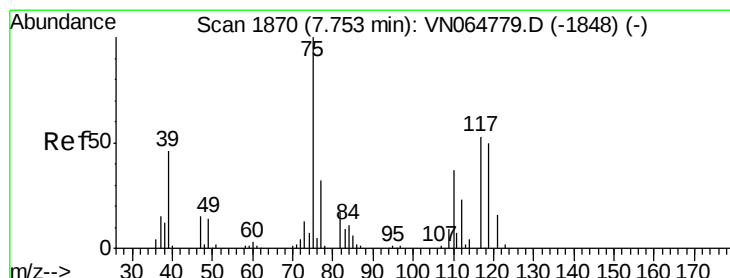
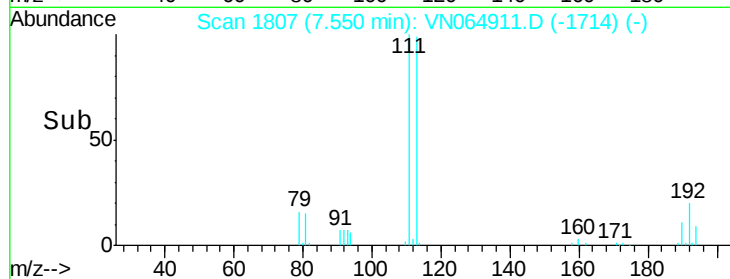
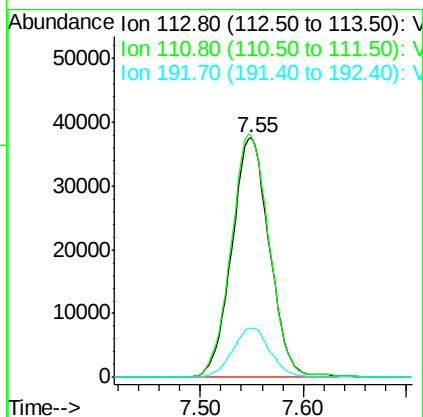
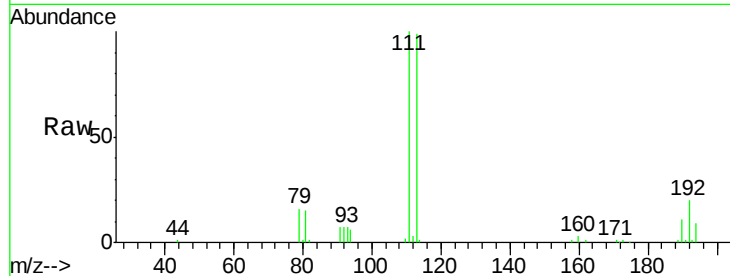




#35
 Dibromofluoromethane
 Concen: 53.300 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VN064911.D
 Acq: 4 Dec 2020 11:47

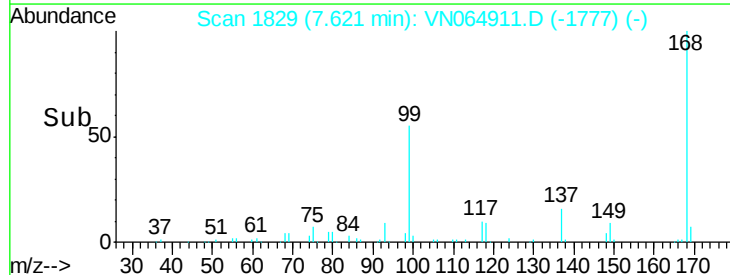
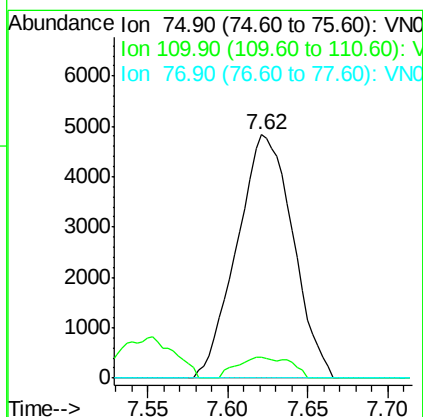
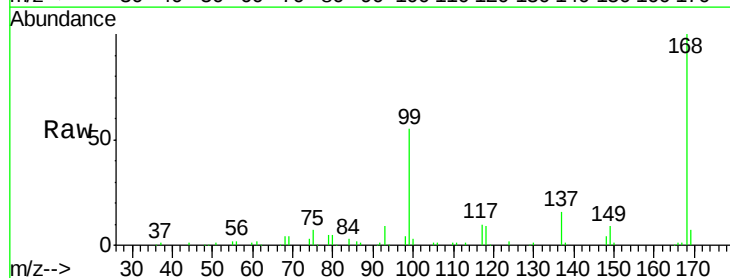
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBL01

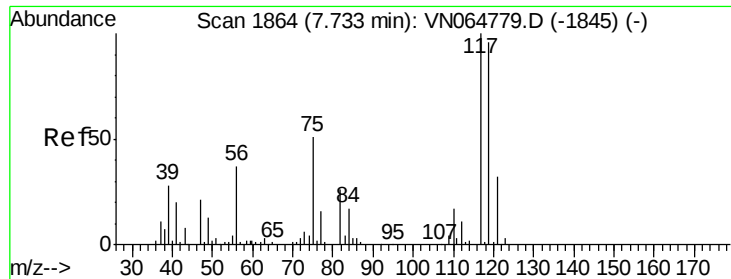
Tot Ion:113 Resp: 95137
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.6 122.4
 192 20.6 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.186 ug/l
 RT: 7.62 min Scan# 1829
 Delta R.T. -0.13 min
 Lab File: VN064911.D
 Acq: 4 Dec 2020 11:47

Tgt Ion: 75 Resp: 11573
 Ion Ratio Lower Upper
 75 100
 110 5.8 17.8 53.3#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.492 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN064911.D

Acq: 4 Dec 2020 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBL01

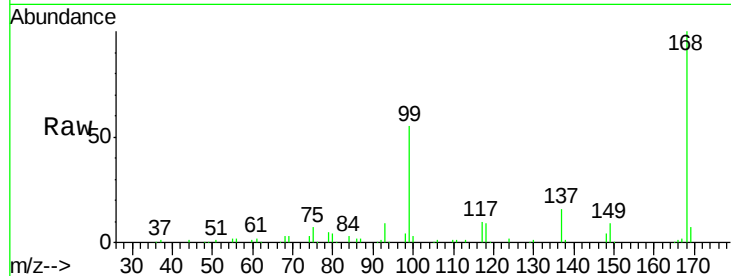
Tot Ion:117 Resp: 15801

Ion Ratio Lower Upper

117 100

119 4.7 76.7 115.1#

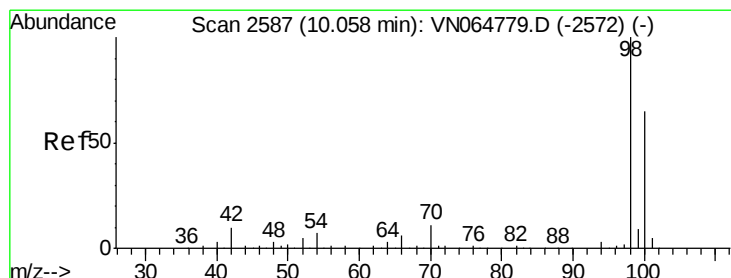
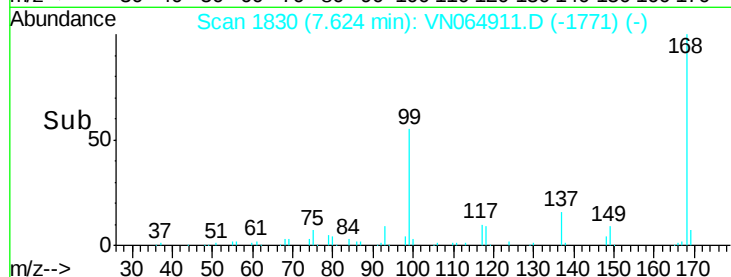
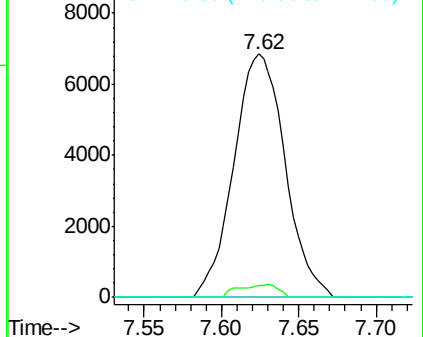
121 0.0 25.4 38.2#



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



#50

Toluene-d8

Concen: 50.553 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064911.D

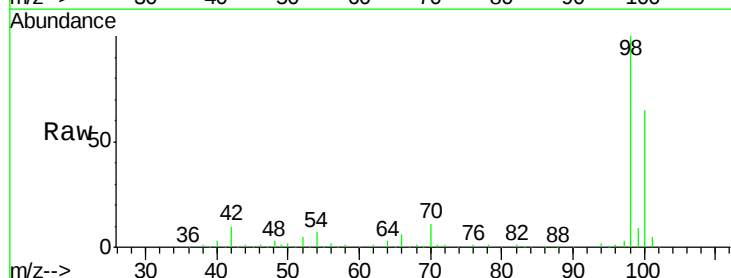
Acq: 4 Dec 2020 11:47

Tgt Ion: 98 Resp: 368691

Ion Ratio Lower Upper

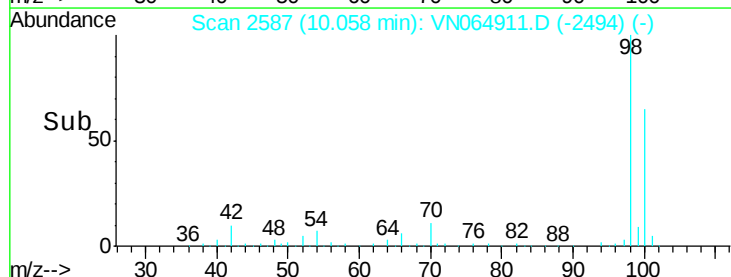
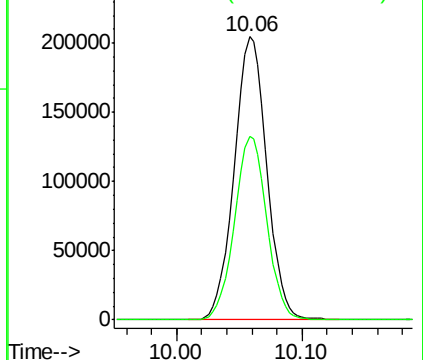
98 100

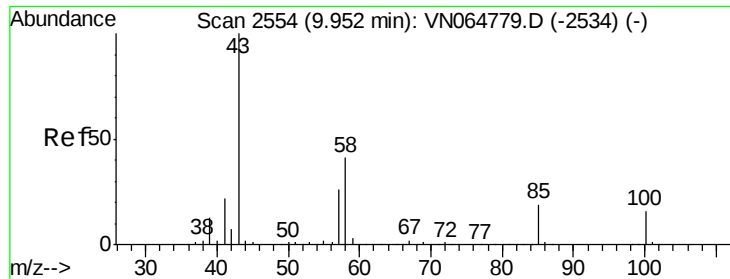
100 64.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.516 ug/l

RT: 10.06 min Scan# 2589

Delta R.T. 0.11 min

Lab File: VN064911.D

Acq: 4 Dec 2020 11:47

Instrument :

MSVOA_N

ClientSampled :

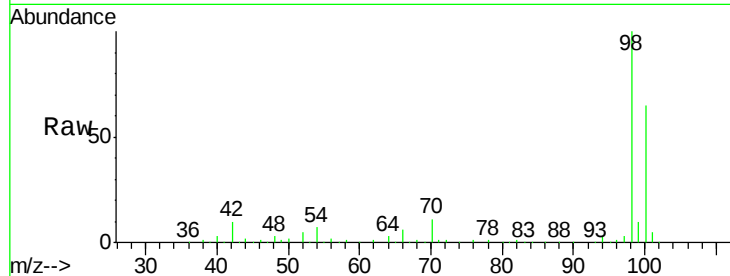
VN1204WBL01

Tot Ion: 43 Resp: 1327

Ion Ratio Lower Upper

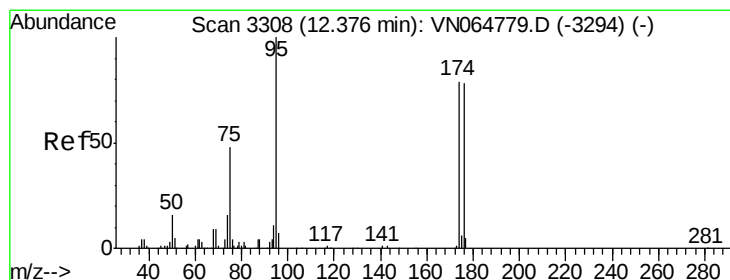
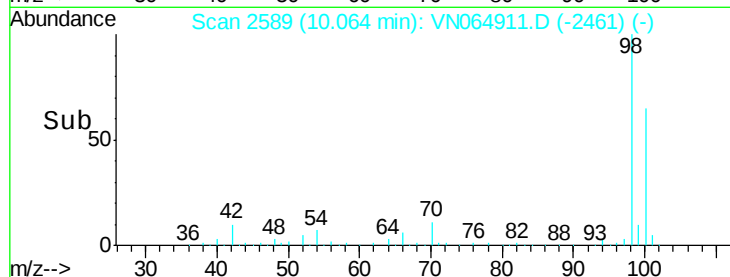
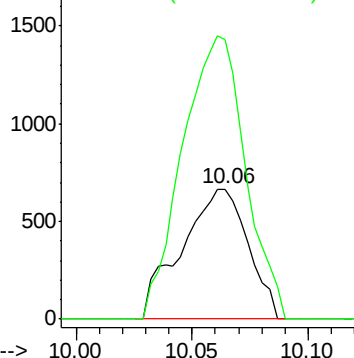
43 100

58 205.9 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 52.987 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN064911.D

Acq: 4 Dec 2020 11:47

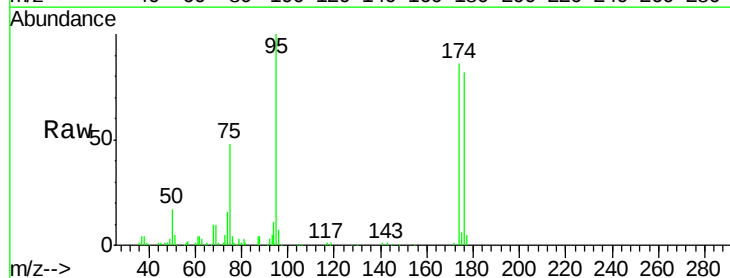
Tgt Ion: 95 Resp: 138300

Ion Ratio Lower Upper

95 100

174 84.9 0.0 160.4

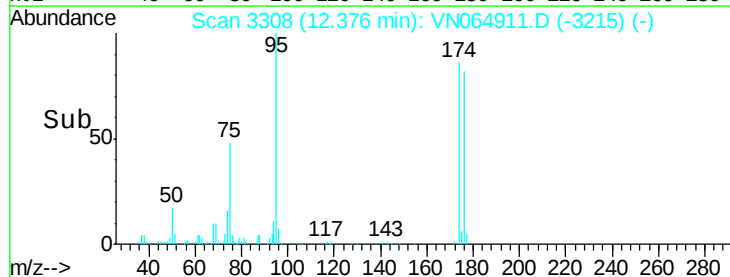
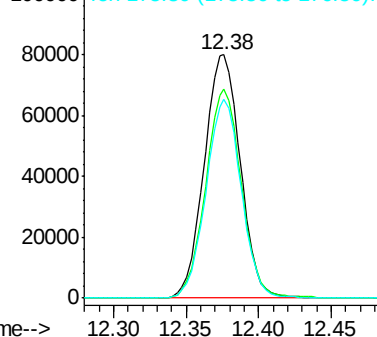
176 80.0 0.0 158.4

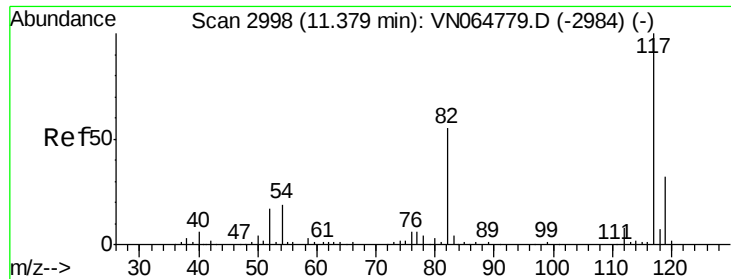


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN064911.D

Acq: 4 Dec 2020 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBL01

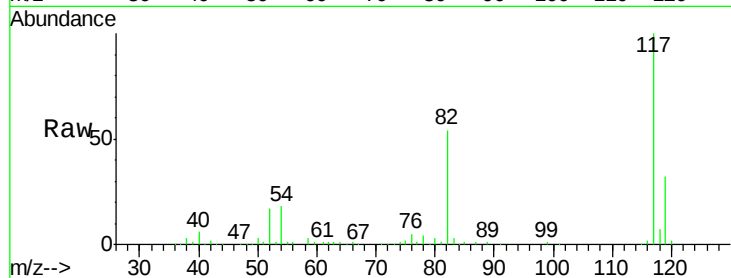
Tot Ion:117 Resp: 306110

Ion Ratio Lower Upper

117 100

82 54.2 44.2 66.2

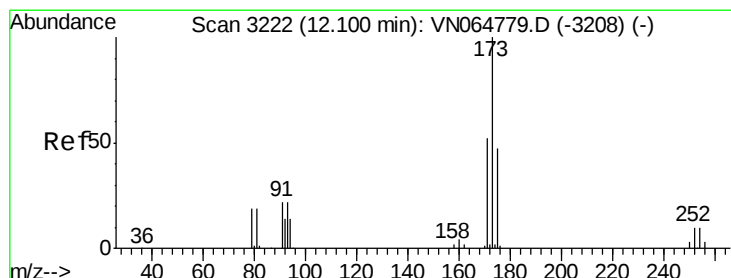
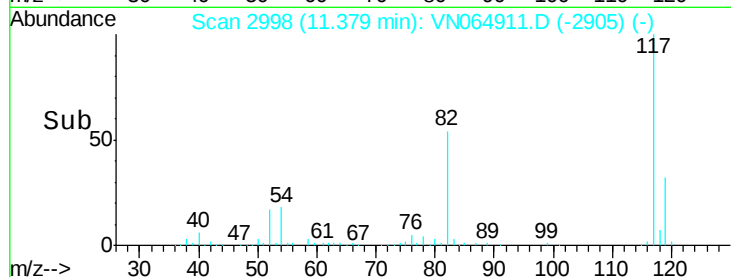
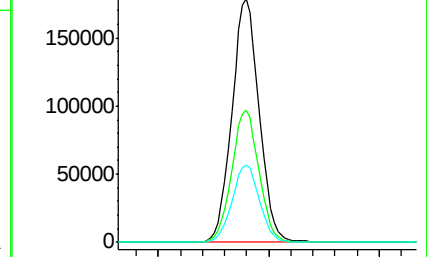
119 31.8 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 0.262 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.27 min

Lab File: VN064911.D

Acq: 4 Dec 2020 11:47

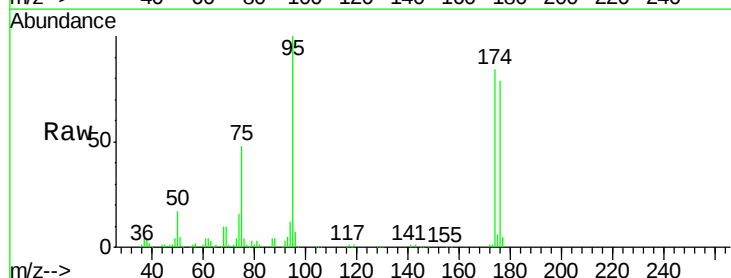
Tgt Ion:173 Resp: 506

Ion Ratio Lower Upper

173 100

175 0.0 24.3 72.8#

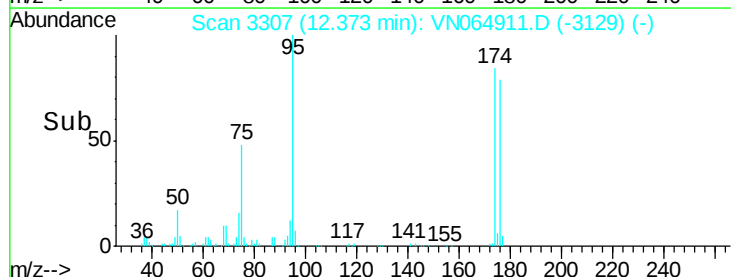
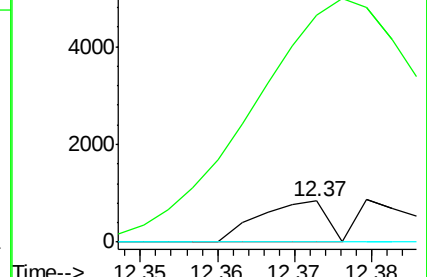
254 0.0 0.0 0.0

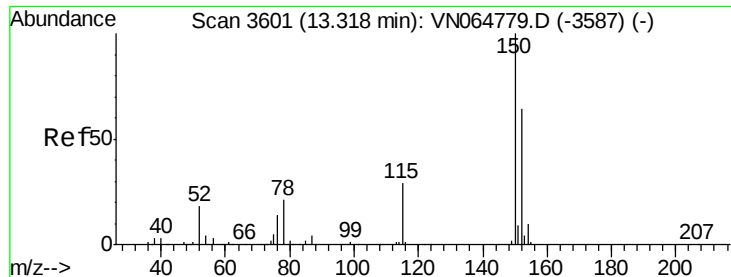


Abundance Ion 172.70 (172.40 to 173.40): V

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# 3601

Delta R.T. -0.00 min

Lab File: VN064911.D

Acq: 4 Dec 2020 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBL01

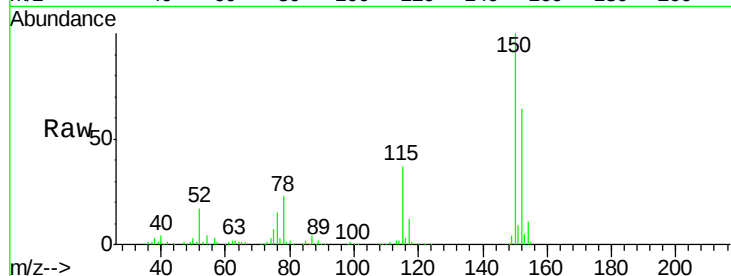
Tot Ion:152 Resp: 135732

Ion Ratio Lower Upper

152 100

115 58.3 29.7 89.1

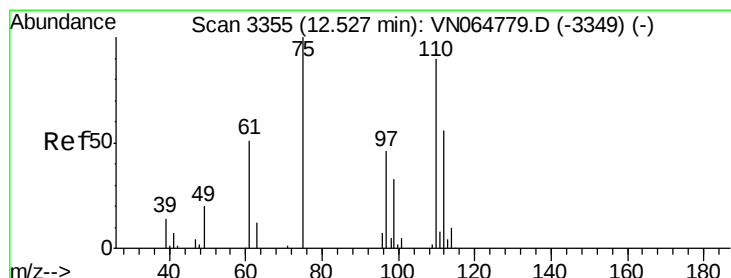
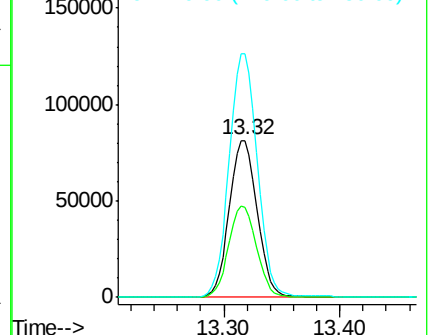
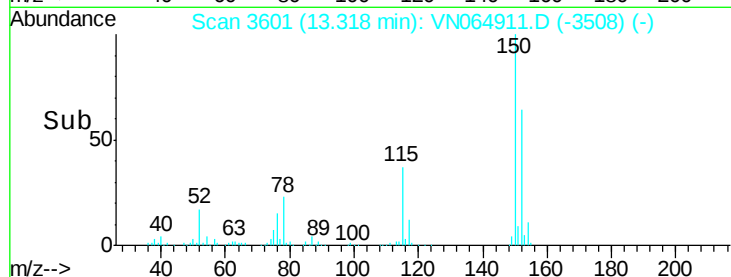
150 156.4 0.0 350.6



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: 22.678 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064911.D

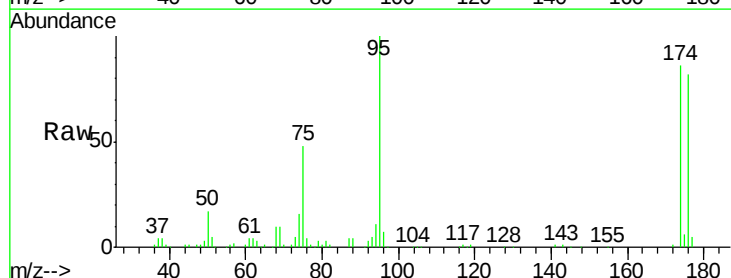
Acq: 4 Dec 2020 11:47

Tgt Ion: 75 Resp: 66289

Ion Ratio Lower Upper

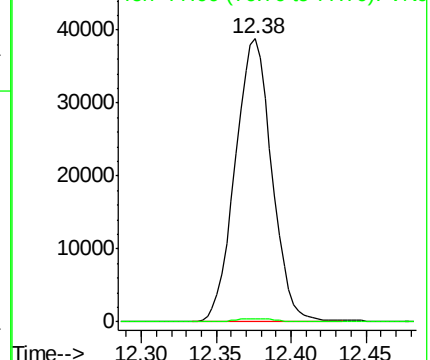
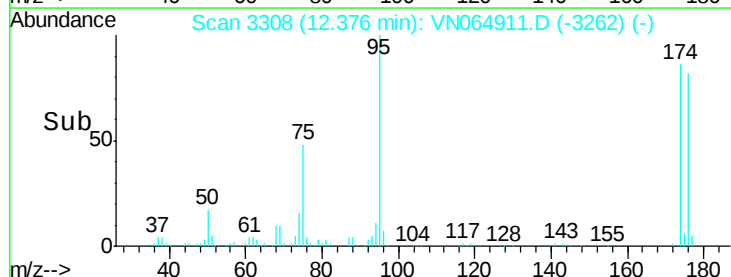
75 100

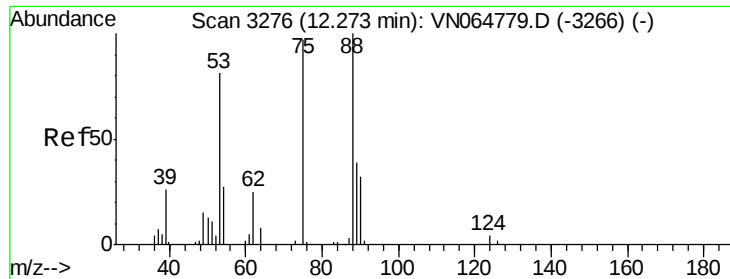
77 1.1 0.0 0.0#



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: 62.154 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064911.D

Acq: 4 Dec 2020 11:47

Instrument :

MSVOA_N

ClientSampled :

VN1204WBL01

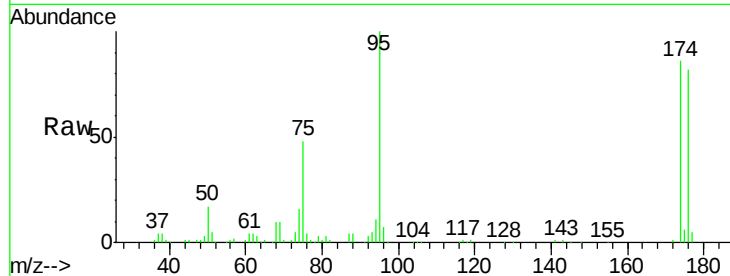
Tot Ion: 75 Resp: 66289

Ion Ratio Lower Upper

75 100

53 0.0 67.0 100.4#

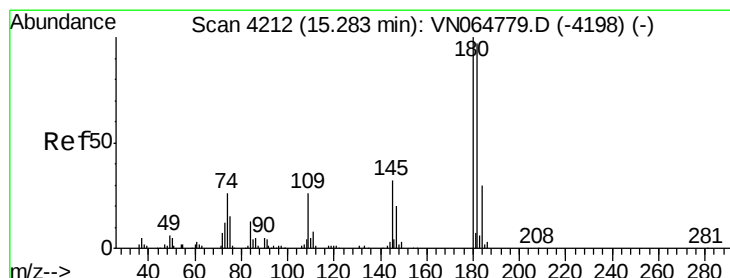
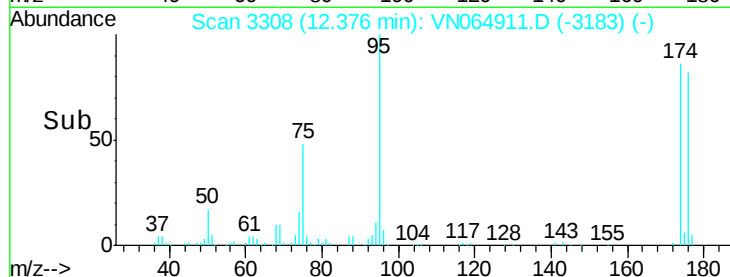
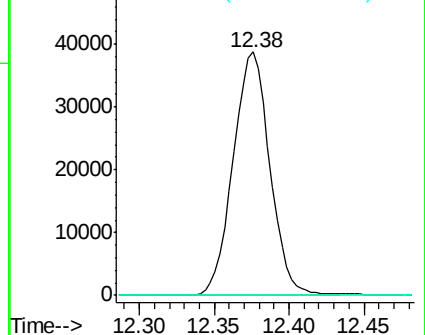
89 0.0 39.6 59.4#



Abundance Ion 74.90 (74.60 to 75.60): VN064911.D (-3183) (-)

Ion 53.00 (52.70 to 53.70): VN064911.D (-3183) (-)

Ion 88.90 (88.60 to 89.60): VN064911.D (-3183) (-)



#96

1,2,3-Trichlorobenzene

Concen: 1.467 ug/l

RT: 15.28 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN064911.D

Acq: 4 Dec 2020 11:47

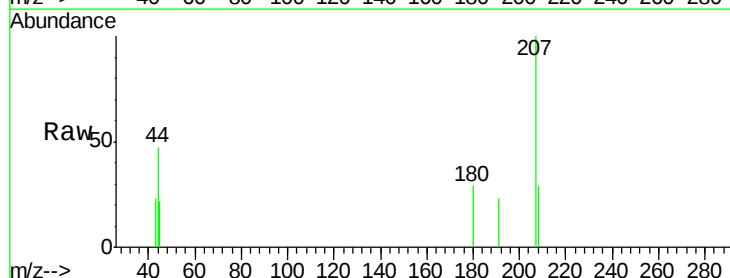
Tgt Ion: 180 Resp: 201

Ion Ratio Lower Upper

180 100

182 0.0 48.1 144.4#

145 0.0 16.4 49.1#



Abundance Ion 179.80 (179.50 to 180.50): VN064911.D (-4118) (-)

Ion 181.80 (181.50 to 182.50): VN064911.D (-4118) (-)

Ion 144.90 (144.60 to 145.60): VN064911.D (-4118) (-)

