

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120320\
 Data File : VN064890.D
 Acq On : 3 Dec 2020 11:21
 Operator : JC/MD
 Sample : VN1203WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203MBL01

Quant Time: Dec 04 02:57:43 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	170052	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	303765	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	318498	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	141436	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	107262	54.26	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	108.52%
35) Dibromofluoromethane	7.55	113	98873	54.40	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	108.80%
50) Toluene-d8	10.06	98	379395	51.09	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.18%
62) 4-Bromofluorobenzene	12.37	95	144237	54.27	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	108.54%

Target Compounds

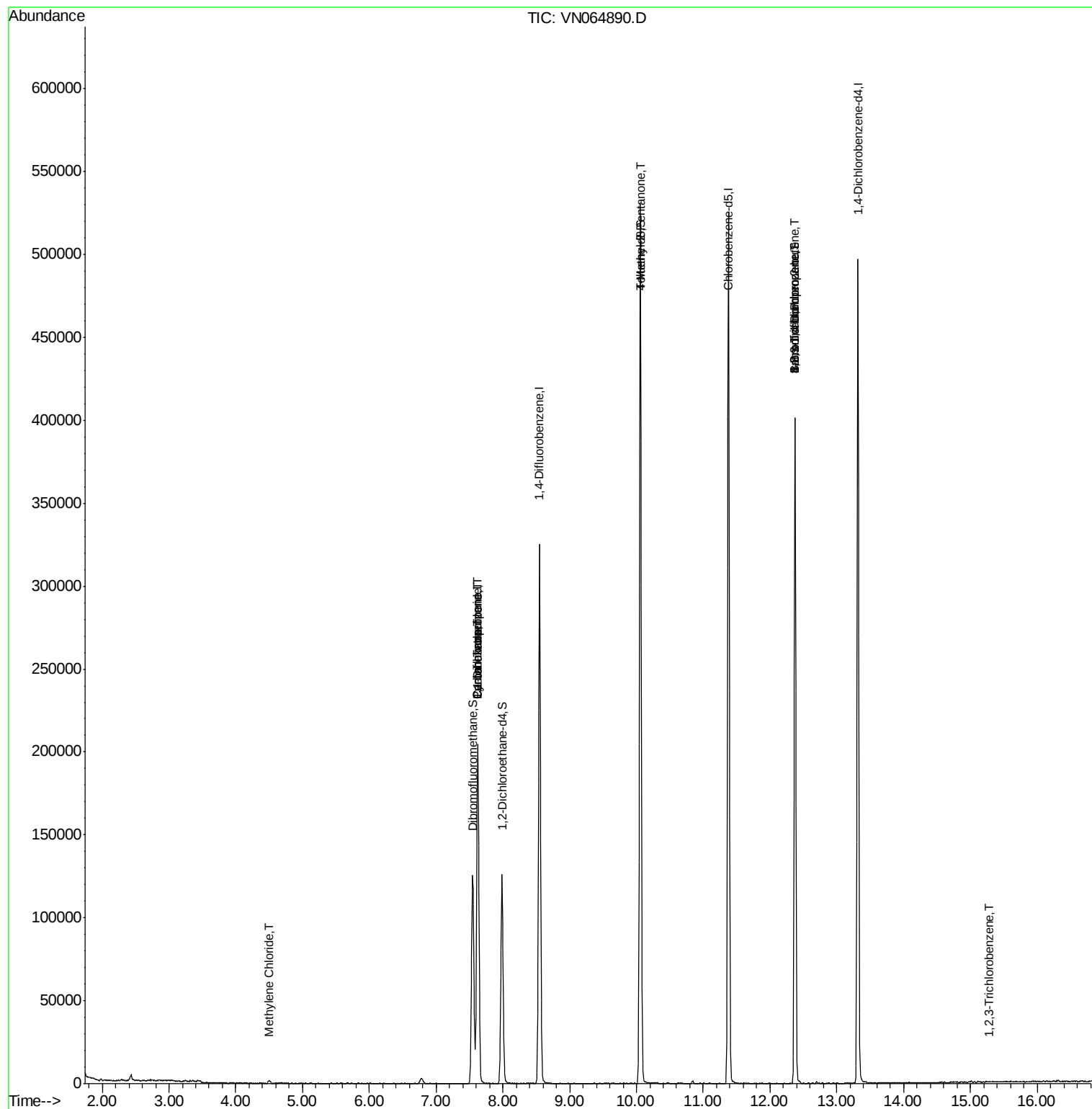
					Qvalue	
20) Methylene Chloride	4.50	84	777	0.382	ug/l #	84
31) Cyclohexane	7.62	56	2958	1.074	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	12363	4.391	ug/l #	48
38) Carbon Tetrachloride	7.63	117	15791	5.390	ug/l #	18
51) 4-Methyl-2-Pentanone	10.06	43	1383	0.528	ug/l #	1
71) Bromoform	12.38	173	1026	0.511	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	68409	22.459	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	68409	61.555	ug/l #	15
96) 1,2,3-Trichlorobenzene	15.29	180	29	1.402	ug/l #	12

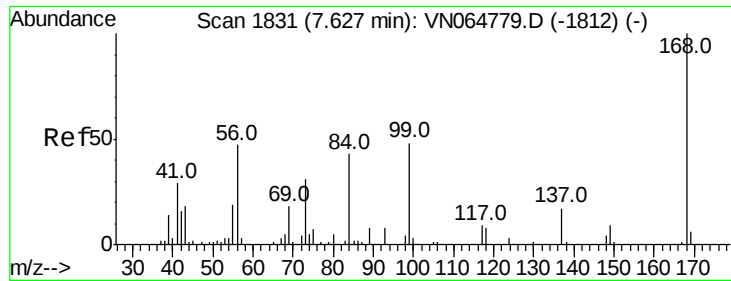
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN064890.D
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Operator : JC/MD
Sample : VN1203WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1203MBL01

Quant Time: Dec 04 02:57:43 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
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: VN064890.D

Acq: 3 Dec 2020 11:21

Instrument :

MSVOA_N

ClientSampleId :

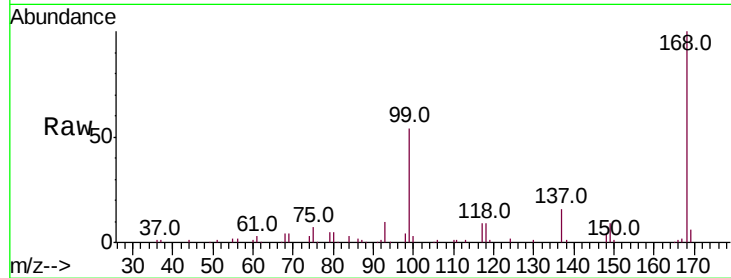
VN1203MBL01

Tot Ion:168 Resp: 170052

Ion Ratio Lower Upper

168 100

99 54.5 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

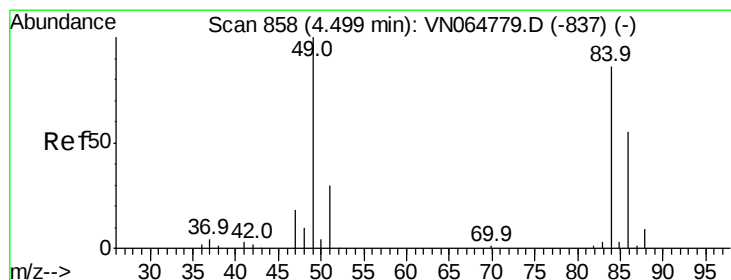
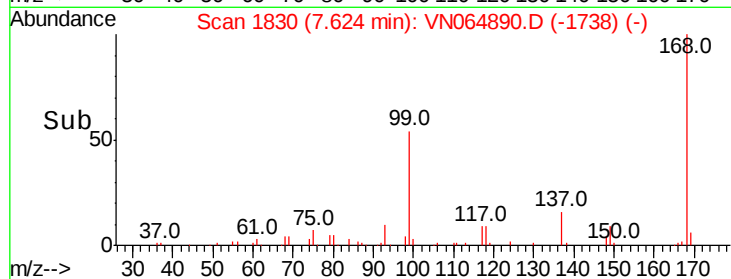
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#20

Methylene Chloride

Concen: 0.382 ug/l

RT: 4.50 min Scan# 859

Delta R.T. 0.00 min

Lab File: VN064890.D

Acq: 3 Dec 2020 11:21

Tgt Ion: 84 Resp: 777

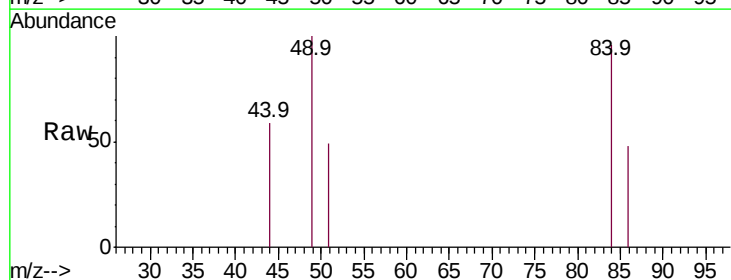
Ion Ratio Lower Upper

84 100

49 104.0 93.4 140.0

51 50.7 28.2 42.4#

86 49.6 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

800

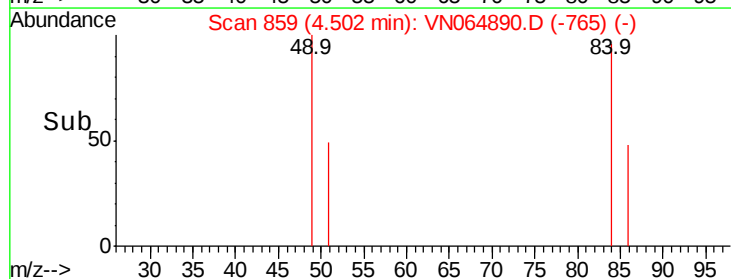
600

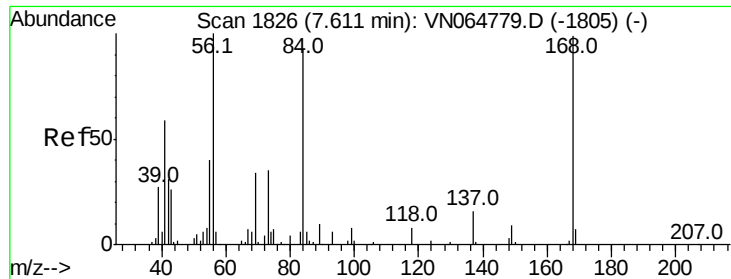
400

200

0

Time--> 4.48 4.50 4.52 4.54

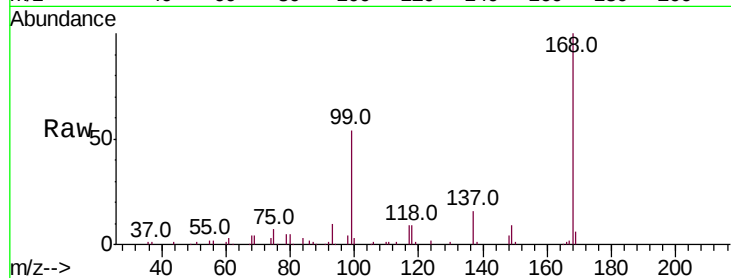




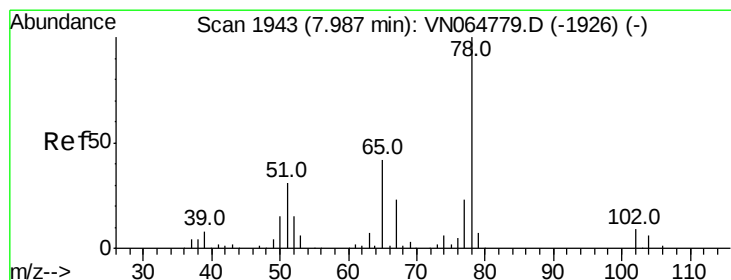
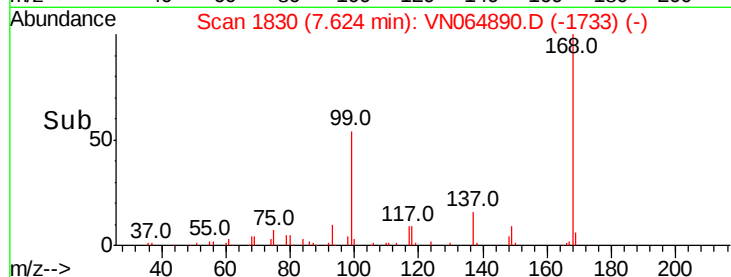
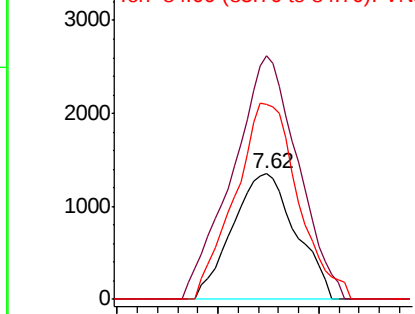
#31
Cyclohexane
Concen: 1.074 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN064890.D
Acq: 3 Dec 2020 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1203MBL01

Tot Ion: 56 Resp: 2958
Ion Ratio Lower Upper
56 100
69 180.7 27.5 41.3#
84 155.1 73.9 110.9#

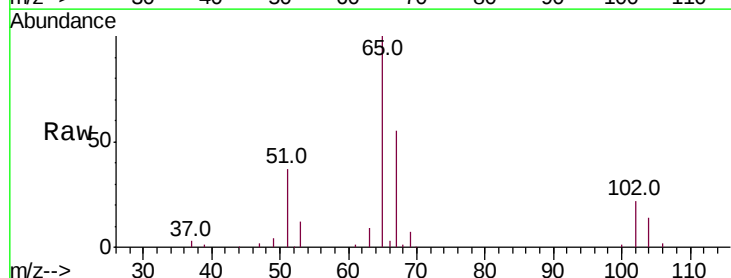


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

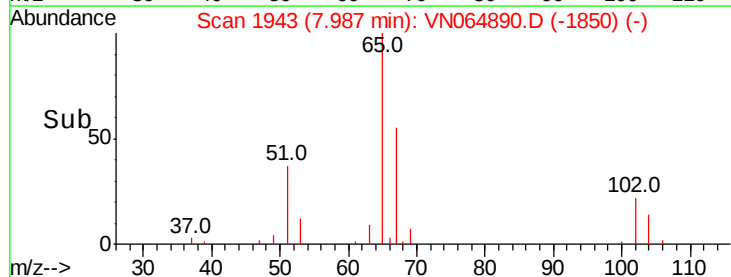
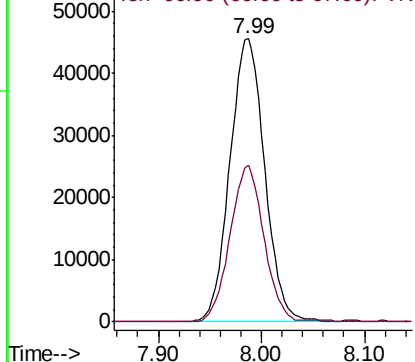


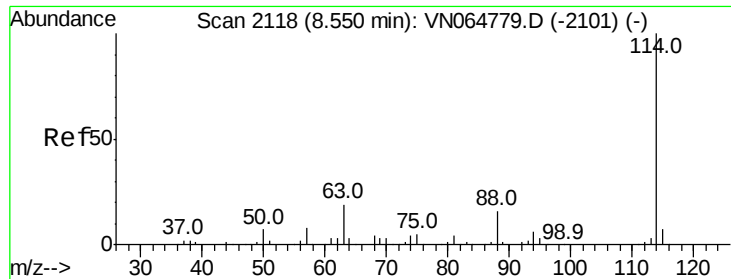
#33
1,2-Dichloroethane-d4
Concen: 54.256 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN064890.D
Acq: 3 Dec 2020 11:21

Tgt Ion: 65 Resp: 107262
Ion Ratio Lower Upper
65 100
67 53.9 0.0 108.2



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

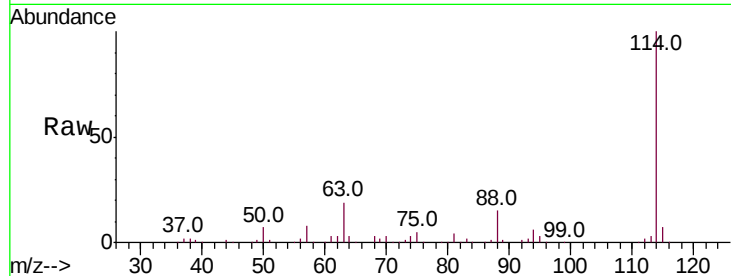




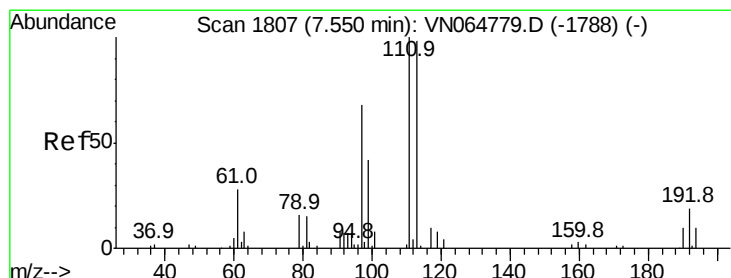
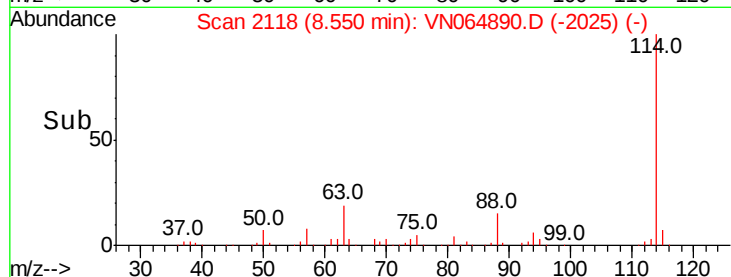
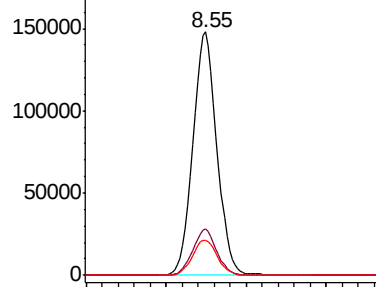
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064890.D
 Acq: 3 Dec 2020 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203MBL01

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	38.6
88	14.5	0.0	32.6

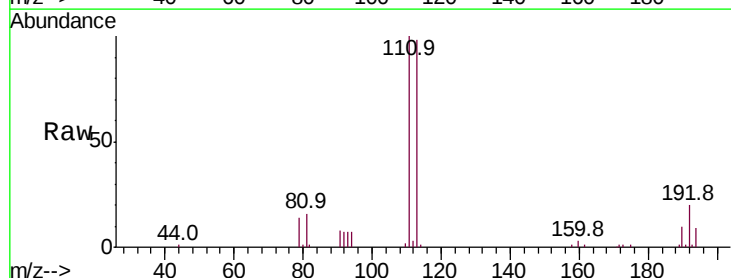


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

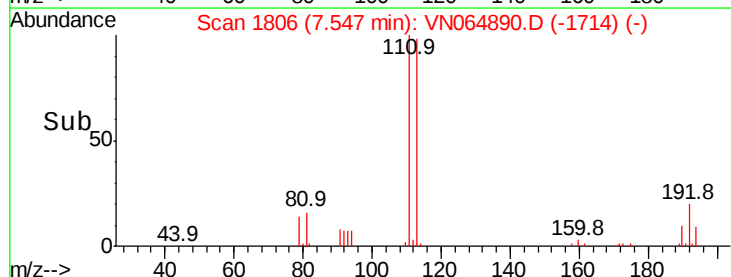
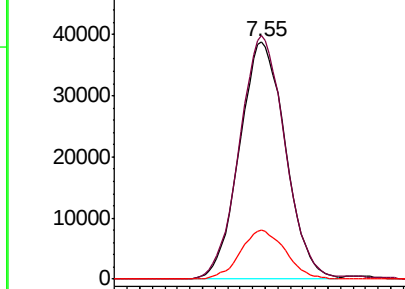


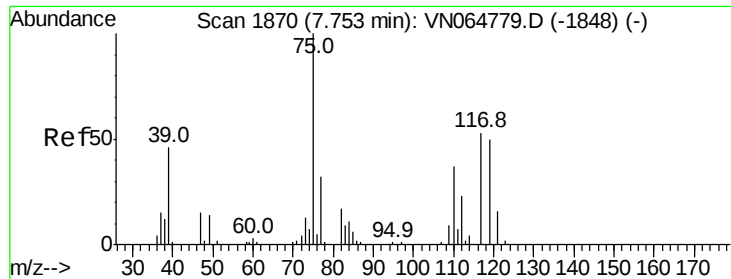
#35
 Dibromofluoromethane
 Concen: 54.397 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN064890.D
 Acq: 3 Dec 2020 11:21

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.6	122.4
192	20.3	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

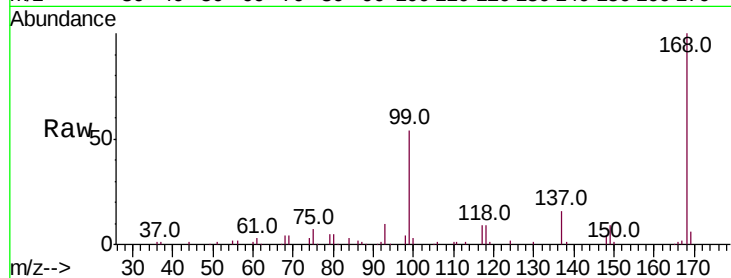




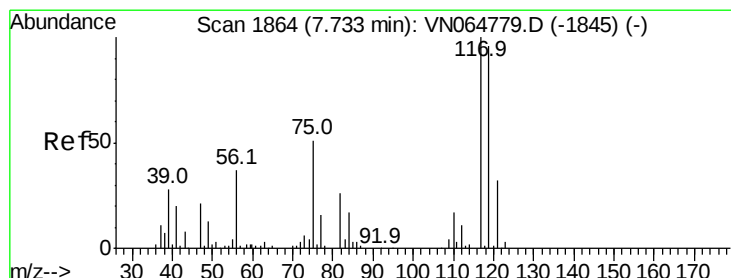
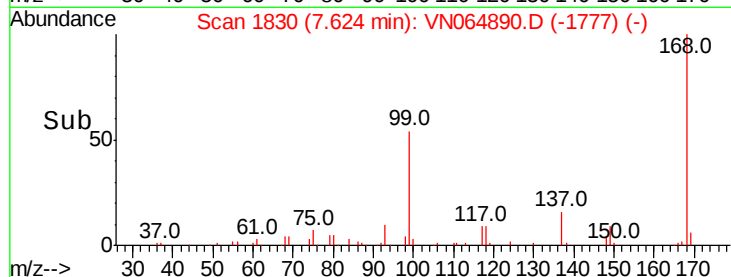
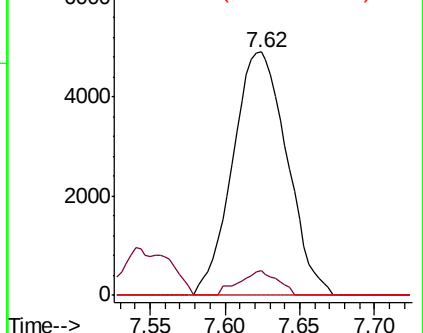
#36
 1,1-Dichloropropene
 Concen: 4.391 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064890.D
 Acq: 3 Dec 2020 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203MBL01

Tot Ion	Ratio	Lower	Upper
75	100		
110	7.1	17.8	53.3#
77	0.0	25.0	37.4#

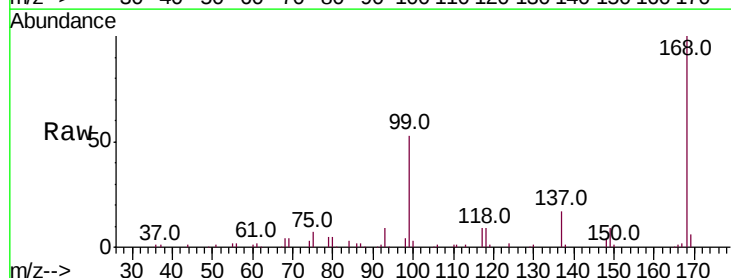


Abundance Ion 74.90 (74.60 to 75.60): VN064779.D (-1848) (-)
 Ion 109.90 (109.60 to 110.60): VN064779.D (-1848) (-)
 Ion 76.90 (76.60 to 77.60): VN064779.D (-1848) (-)

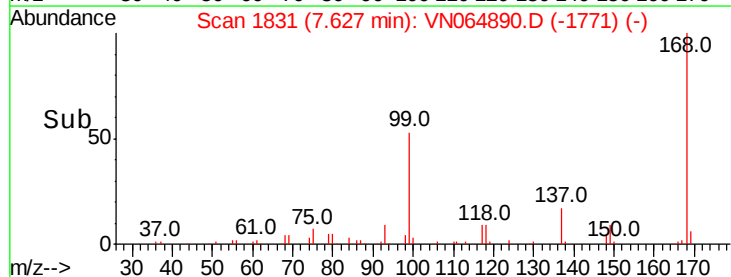
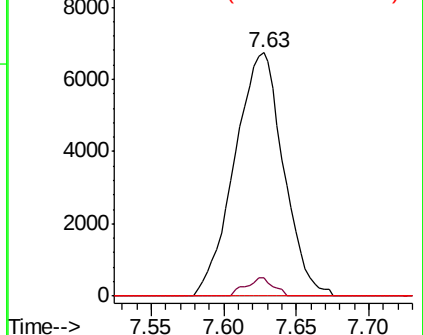


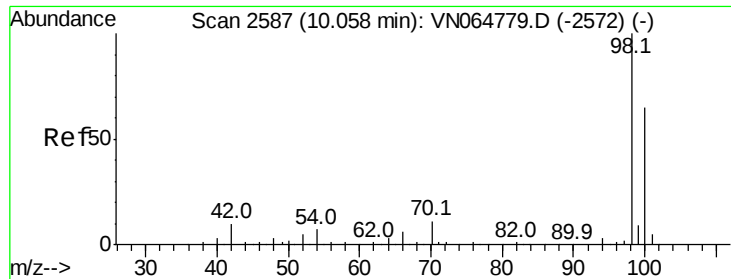
#38
 Carbon Tetrachloride
 Concen: 5.390 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN064890.D
 Acq: 3 Dec 2020 11:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.4	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) (-)





#50

Toluene-d8

Concen: 51.085 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064890.D

Acq: 3 Dec 2020 11:21

Instrument :

MSVOA_N

ClientSampleId :

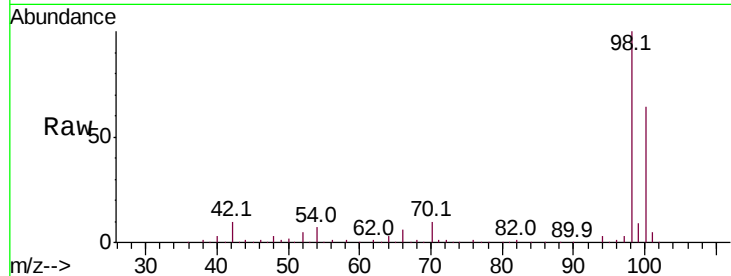
VN1203MBL01

Tot Ion: 98 Resp: 379395

Ion Ratio Lower Upper

98 100

100 64.0 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) (-)

250000

200000

150000

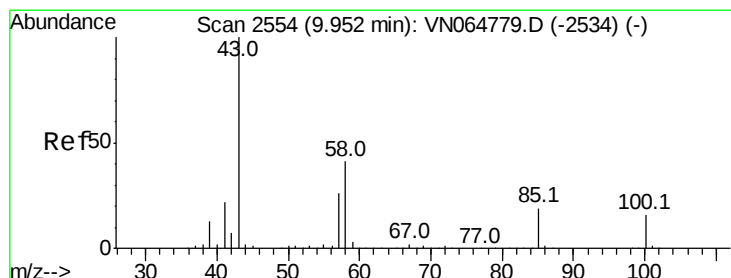
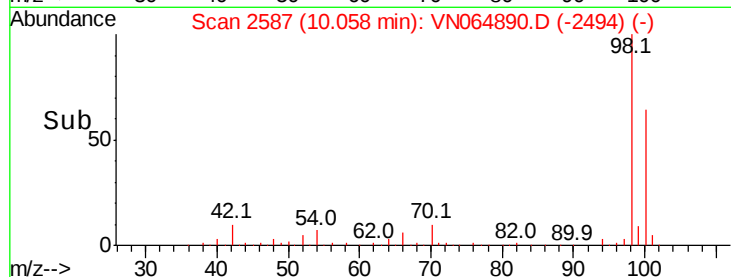
100000

50000

0

10.00 10.05 10.10

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.528 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.11 min

Lab File: VN064890.D

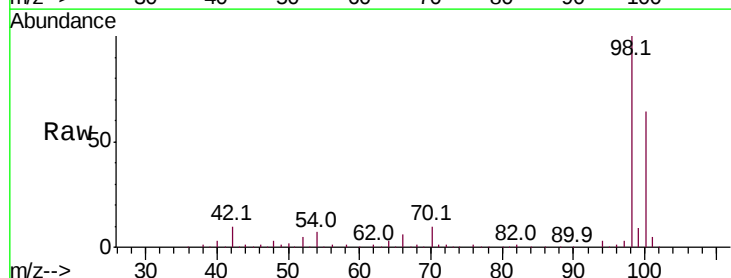
Acq: 3 Dec 2020 11:21

Tgt Ion: 43 Resp: 1383

Ion Ratio Lower Upper

43 100

58 209.7 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) (-)

2000

1500

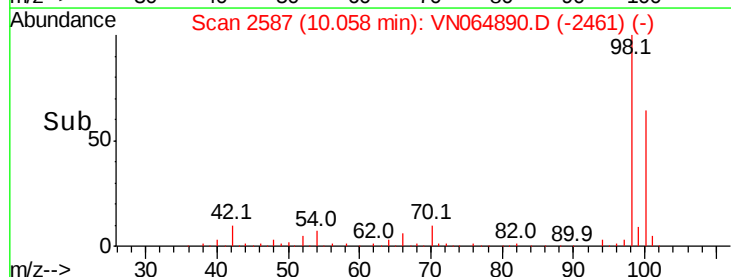
1000

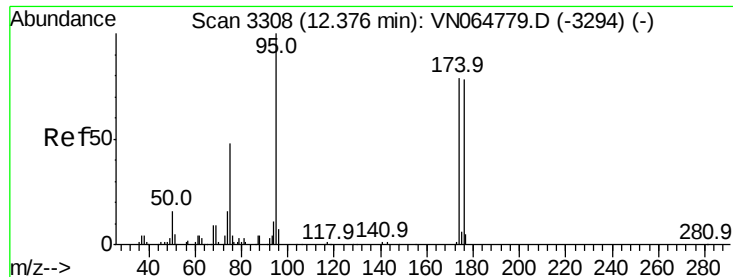
500

0

10.00 10.05 10.10

Time-->





#62

4-Bromofluorobenzene

Concen: 54.268 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.00 min

Lab File: VN064890.D

Acq: 3 Dec 2020 11:21

Instrument :

MSVOA_N

ClientSampleId :

VN1203MBL01

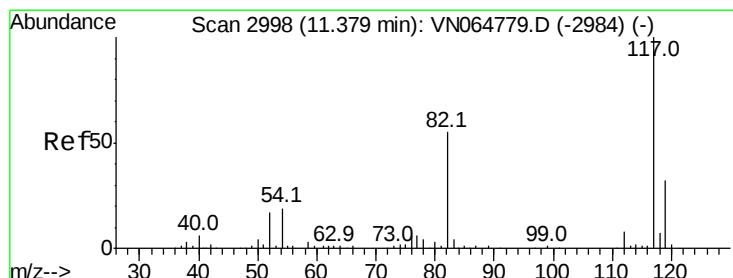
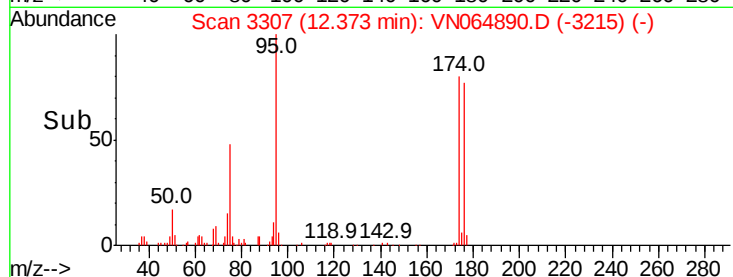
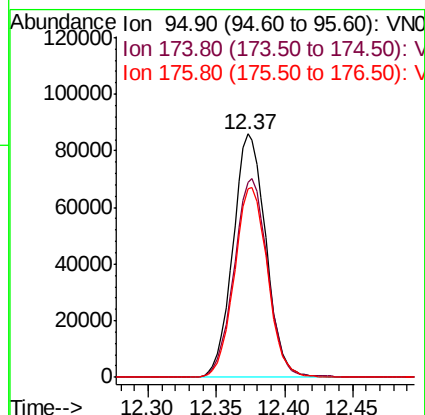
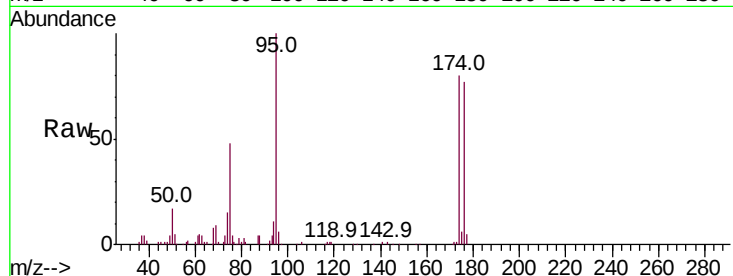
Tot Ion: 95 Resp: 144237

Ion Ratio Lower Upper

95 100

174 83.3 0.0 160.4

176 78.8 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: VN064890.D

Acq: 3 Dec 2020 11:21

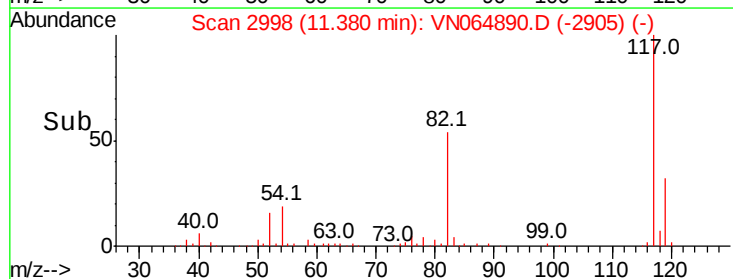
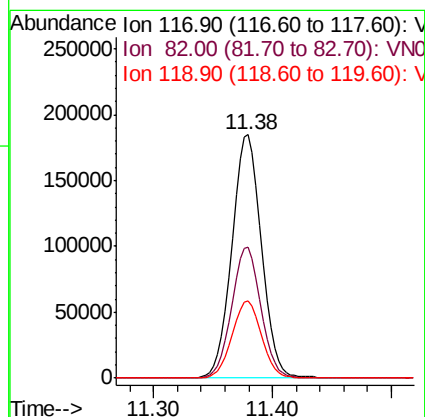
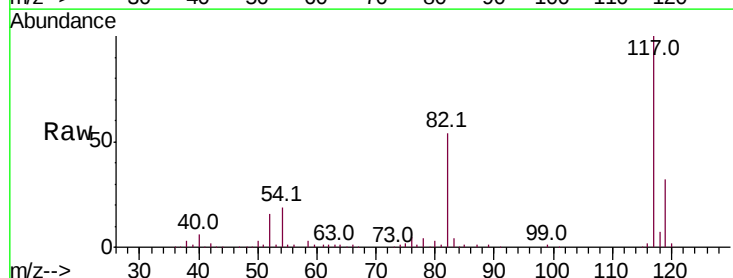
Tgt Ion: 117 Resp: 318498

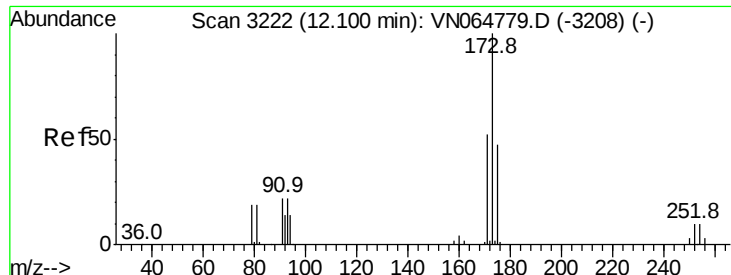
Ion Ratio Lower Upper

117 100

82 53.5 44.2 66.2

119 31.7 25.8 38.6





#71

Bromoform

Concen: 0.511 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. 0.28 min

Lab File: VN064890.D

Acq: 3 Dec 2020 11:21

Instrument :

MSVOA_N

ClientSampleId :

VN1203MBL01

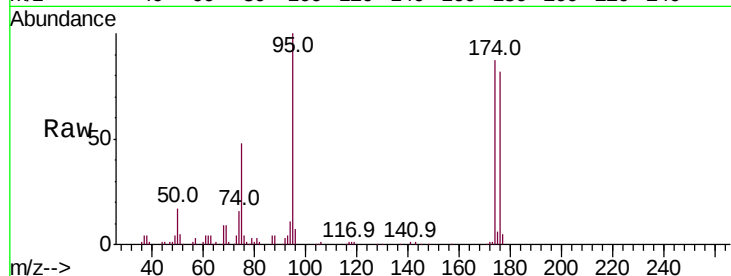
Tot Ion:173 Resp: 1026

Ion Ratio Lower Upper

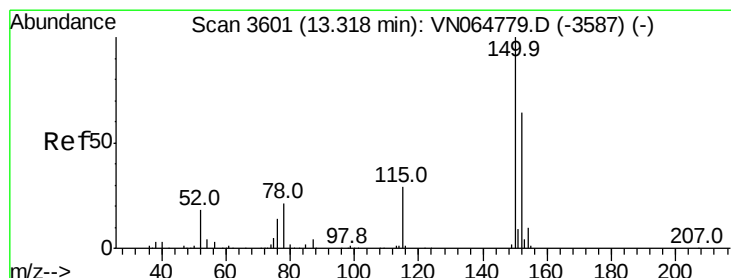
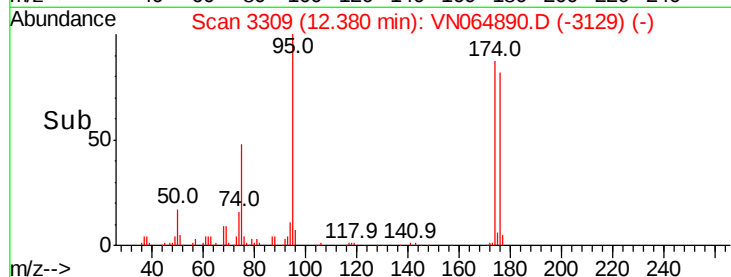
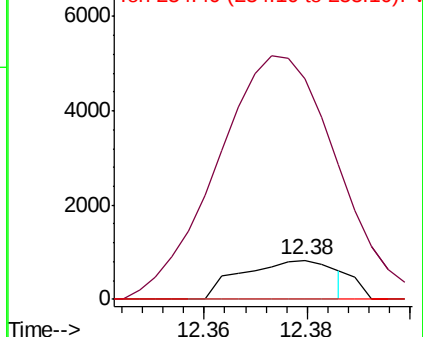
173 100

175 732.7 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: VN064890.D

Acq: 3 Dec 2020 11:21

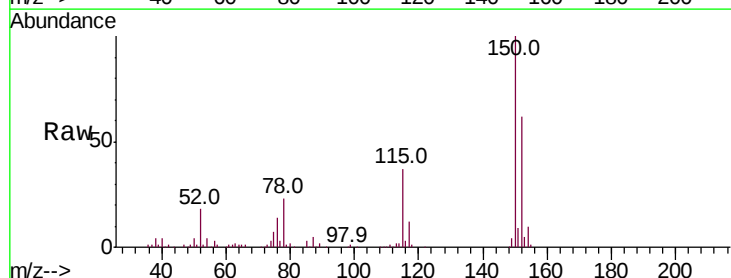
Tgt Ion:152 Resp: 141436

Ion Ratio Lower Upper

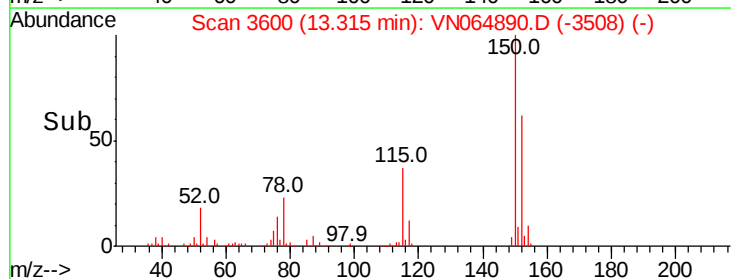
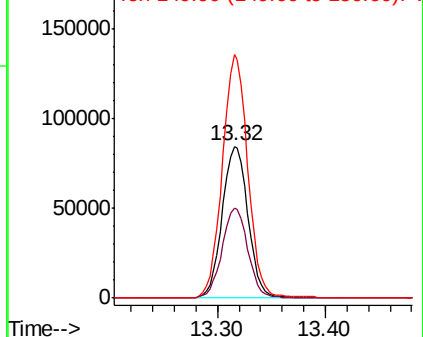
152 100

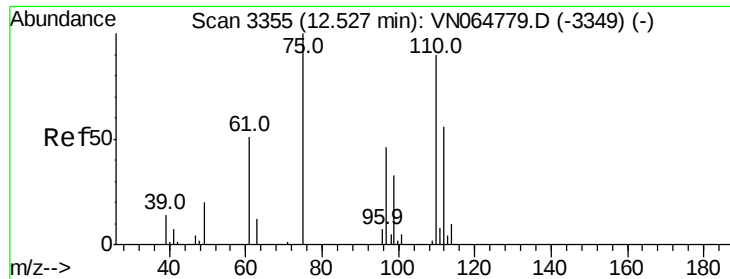
115 59.3 29.7 89.1

150 158.0 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

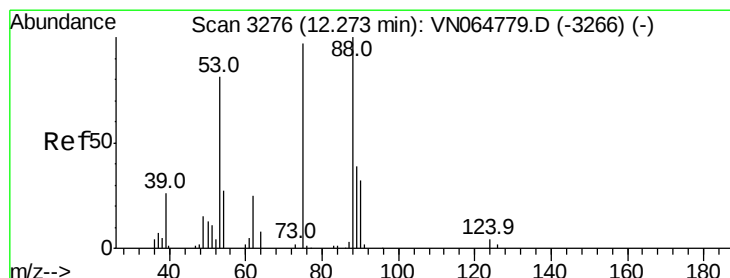
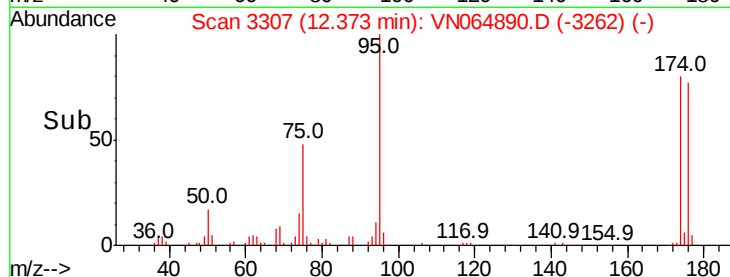
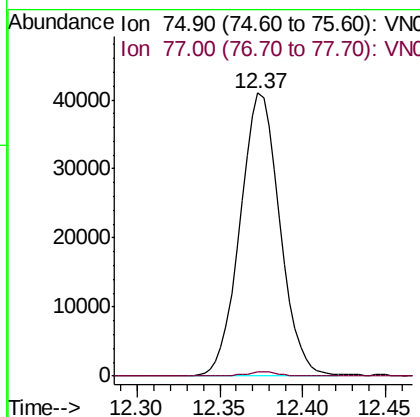
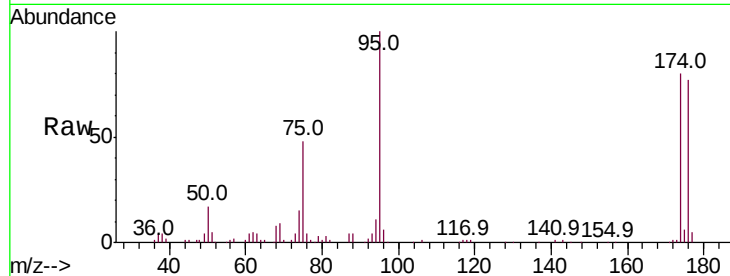




#76
 1,2,3-Trichloropropane
 Concen: 22.459 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.15 min
 Lab File: VN064890.D
 Acq: 3 Dec 2020 11:21

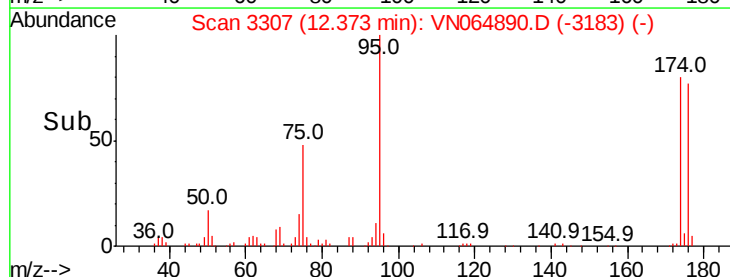
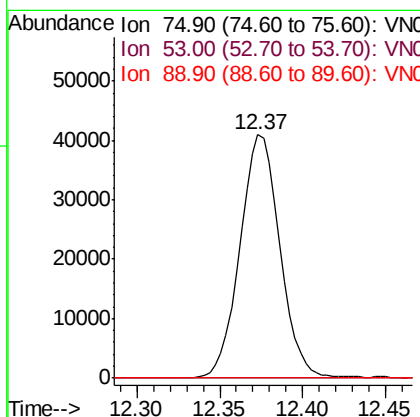
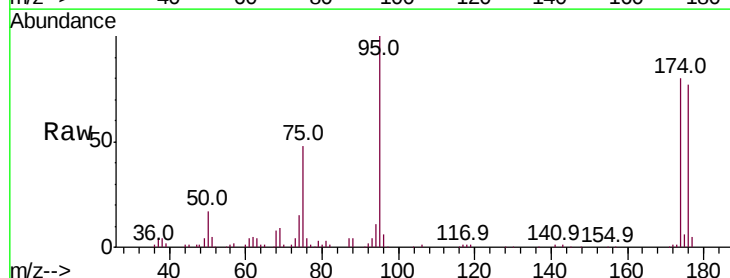
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203MBL01

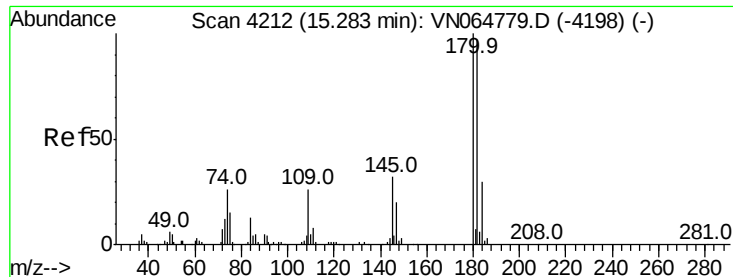
Tot Ion: 75 Resp: 68409
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.555 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. 0.10 min
 Lab File: VN064890.D
 Acq: 3 Dec 2020 11:21

Tgt Ion: 75 Resp: 68409
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.0 100.4#
 89 0.0 39.6 59.4#





#96

1,2,3-Trichlorobenzene

Concen: 1.402 ug/l

RT: 15.29 min Scan# 4214

Delta R.T. 0.01 min

Lab File: VN064890.D

Acq: 3 Dec 2020 11:21

Instrument :

MSVOA_N

ClientSampleId :

VN1203MBL01

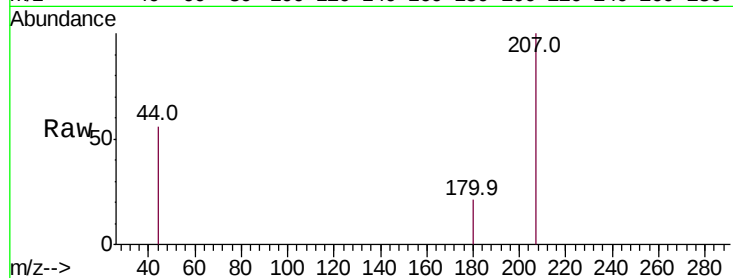
Tot Ion:180 Resp: 29

Ion Ratio Lower Upper

180 100

182 0.0 48.1 144.4#

145 0.0 16.4 49.1#

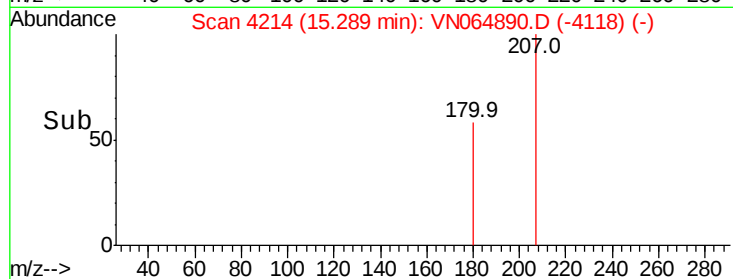


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

15.29



Time--> 15.28 15.29 15.30