

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN113020\
 Data File : VN064871.D
 Acq On : 30 Nov 2020 14:36
 Operator : JC/MD
 Sample : L4857-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 01 01:23:54 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	168746	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	298597	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	310686	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	140318	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	103486	52.75	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	105.50%
35) Dibromofluoromethane	7.55	113	93907	52.56	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	105.12%
50) Toluene-d8	10.06	98	371911	50.94	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.88%
62) 4-Bromofluorobenzene	12.38	95	147673	56.52	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	113.04%

Target Compounds

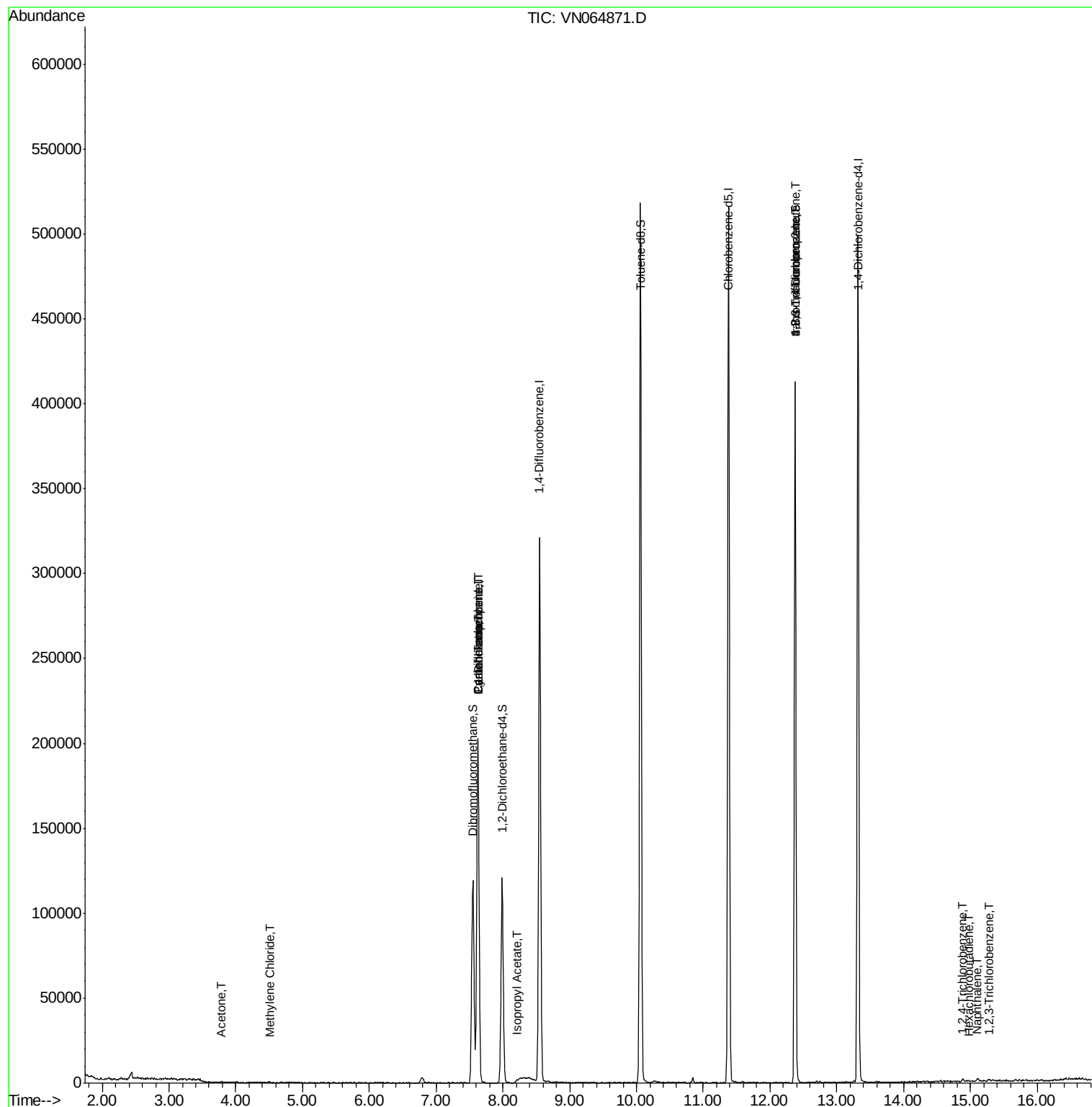
						Qvalue
16) Acetone	3.78	43	165	0.256	ug/l #	43
20) Methylene Chloride	4.50	84	422	0.209	ug/l #	52
31) Cyclohexane	7.63	56	2880	1.053	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	11637	4.205	ug/l #	45
38) Carbon Tetrachloride	7.63	117	15752	5.470	ug/l #	16
43) Isopropyl Acetate	8.21	43	1271	0.296	ug/l #	59
76) 1,2,3-Trichloropropane	12.38	75	68929	22.810	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	68929	62.517	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.88	180	571	0.201	ug/l #	80
94) Hexachlorobutadiene	14.98	225	96	0.447	ug/l #	39
95) Naphthalene	15.11	128	2558	0.301	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.29	180	730	1.655	ug/l #	71

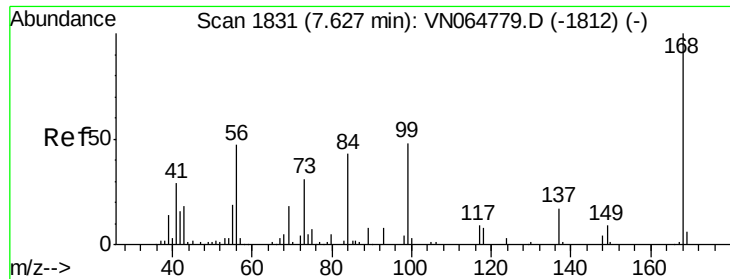
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064871.D

Acq: 30 Nov 2020 14:36

Instrument :

MSVOA_N

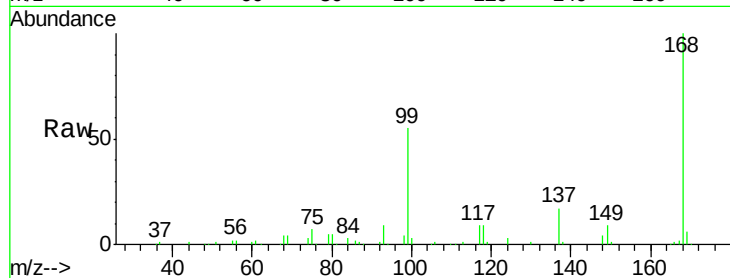
ClientSampleId :

Tot Ion:168 Resp: 168746

Ion Ratio Lower Upper

168 100

99 55.1 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): VN064871.D (-1738) (-)

Ion 98.90 (98.60 to 99.60): VN064871.D (-1738) (-)

7.63

80000

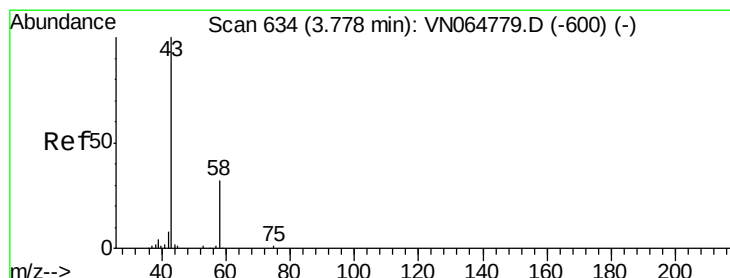
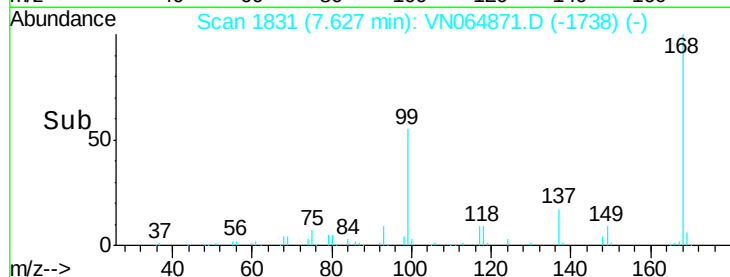
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 0.256 ug/l

RT: 3.78 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN064871.D

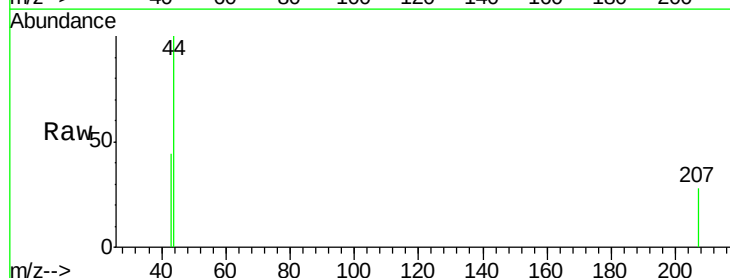
Acq: 30 Nov 2020 14:36

Tgt Ion: 43 Resp: 165

Ion Ratio Lower Upper

43 100

58 0.0 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VN064871.D (-541) (-)

Ion 58.00 (57.70 to 58.70): VN064871.D (-541) (-)

3.78

300

250

200

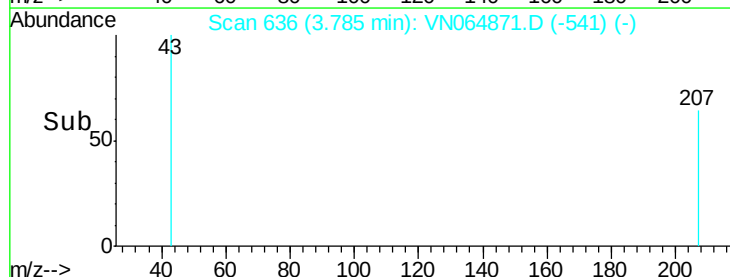
150

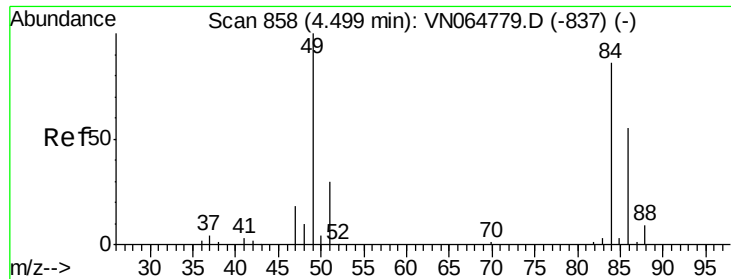
100

50

0

Time--> 3.77 3.78 3.79 3.80





#20

Methylene Chloride

Concen: 0.209 ug/l

RT: 4.50 min Scan# 859

Delta R.T. 0.00 min

Lab File: VN064871.D

Acq: 30 Nov 2020 14:36

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 84 Resp: 422

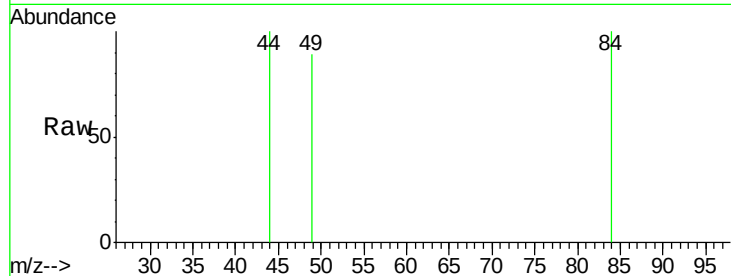
Ion Ratio Lower Upper

84 100

49 88.8 93.4 140.0#

51 0.0 28.2 42.4#

86 0.0 51.7 77.5#

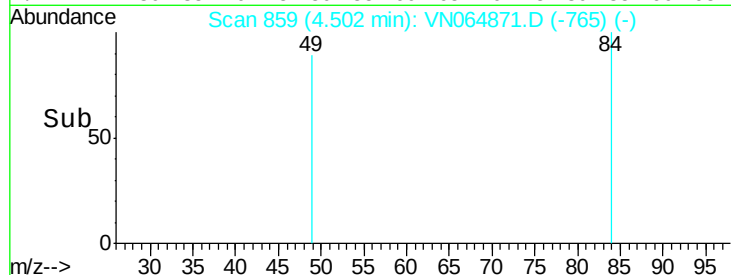
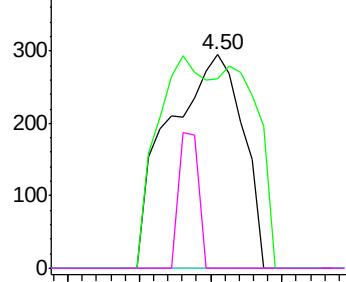


Abundance Ion 83.90 (83.60 to 84.60): VN0

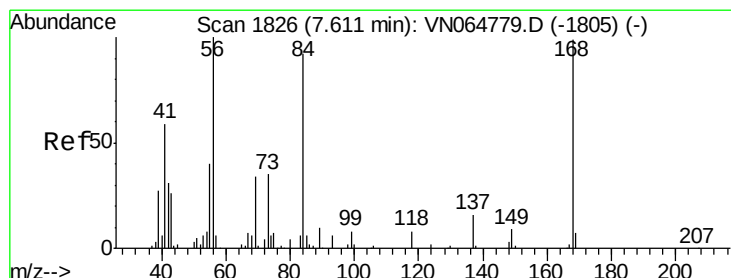
Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



Time-->



#31

Cyclohexane

Concen: 1.053 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.02 min

Lab File: VN064871.D

Acq: 30 Nov 2020 14:36

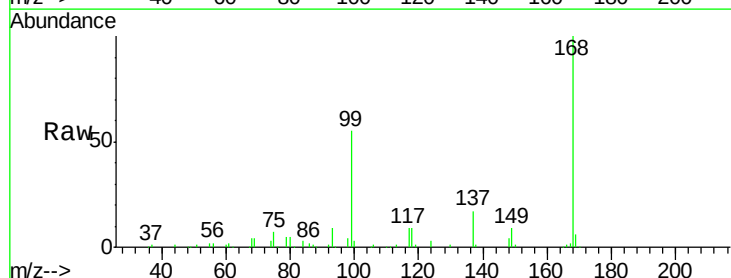
Tgt Ion: 56 Resp: 2880

Ion Ratio Lower Upper

56 100

69 219.2 27.5 41.3#

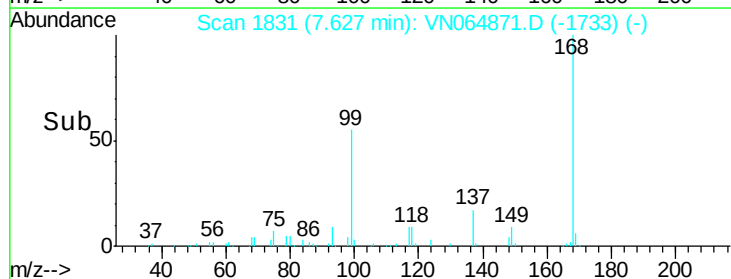
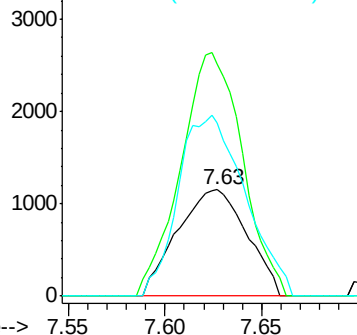
84 163.2 73.9 110.9#



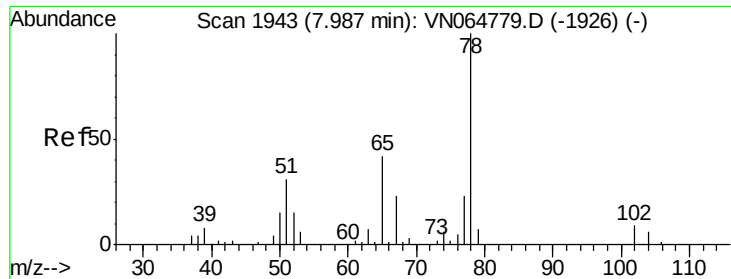
Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



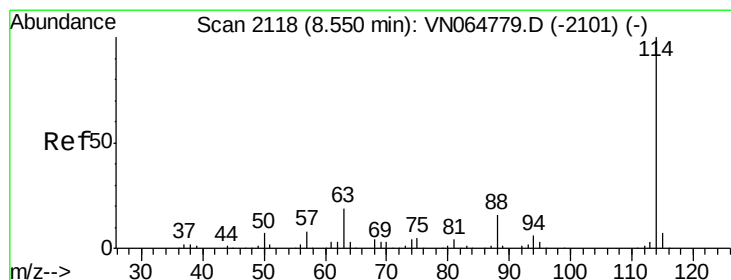
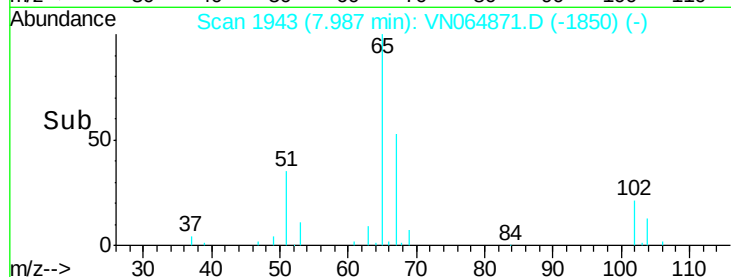
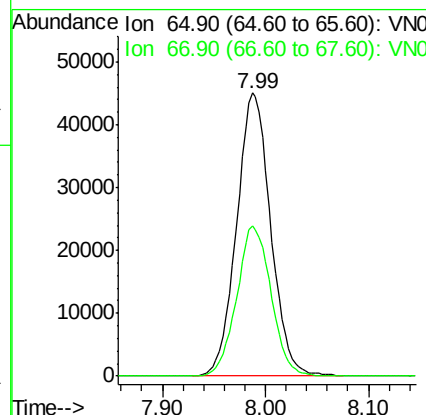
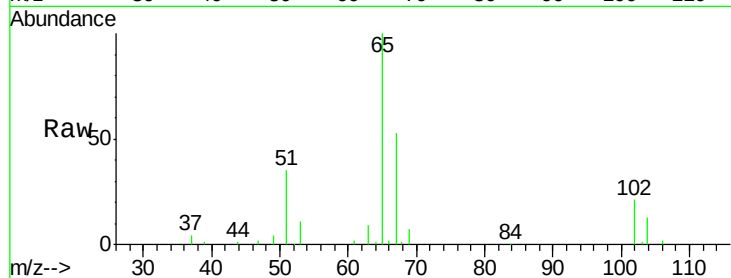
Time-->



#33
 1,2-Dichloroethane-d4
 Concen: 52.751 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064871.D
 Acq: 30 Nov 2020 14:36

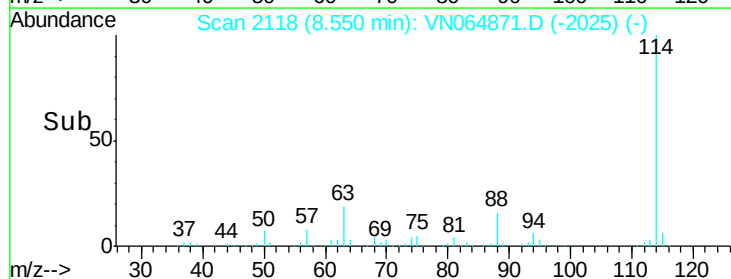
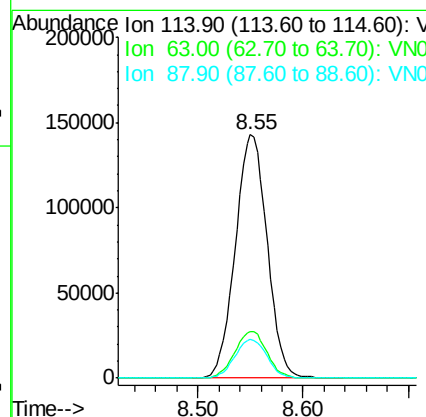
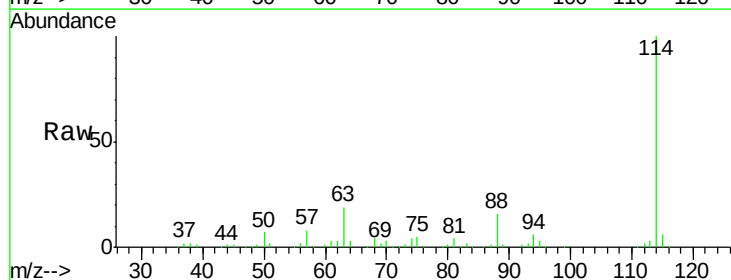
Instrument :
 MSVOA_N
 ClientSampled :

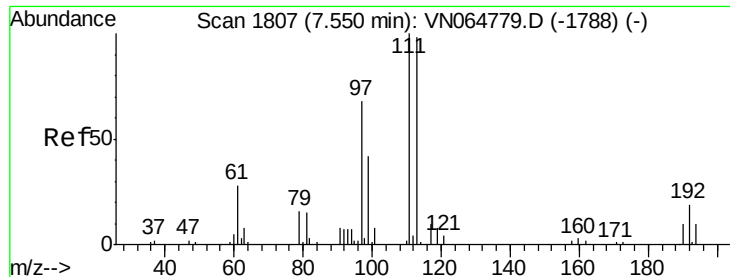
Tot Ion: 65 Resp: 103486
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064871.D
 Acq: 30 Nov 2020 14:36

Tgt Ion: 114 Resp: 298597
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.6
 88 15.7 0.0 32.6

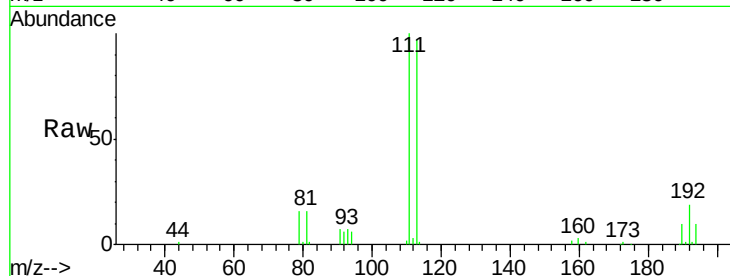




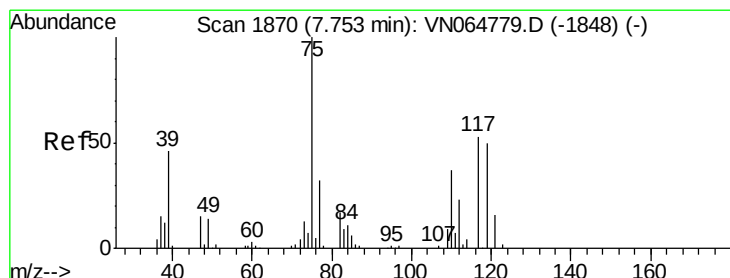
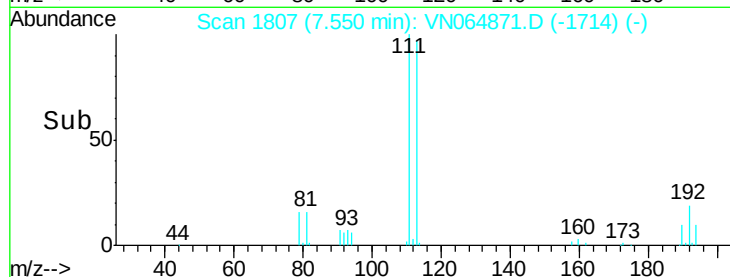
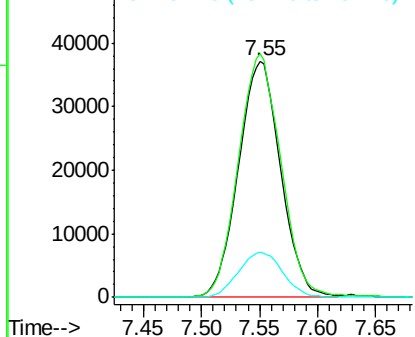
#35
 Dibromofluoromethane
 Concen: 52.559 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064871.D
 Acq: 30 Nov 2020 14:36

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 93907
 Ion Ratio Lower Upper
 113 100
 111 104.2 81.6 122.4
 192 19.9 16.2 24.2

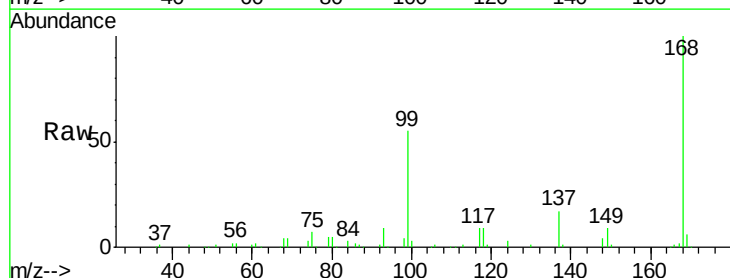


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

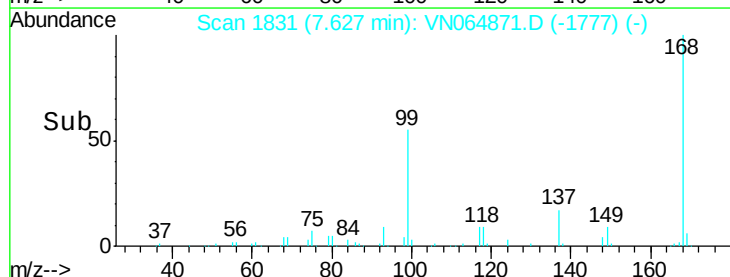
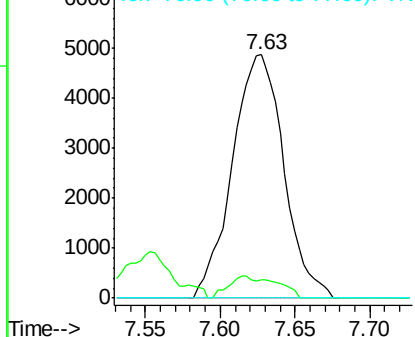


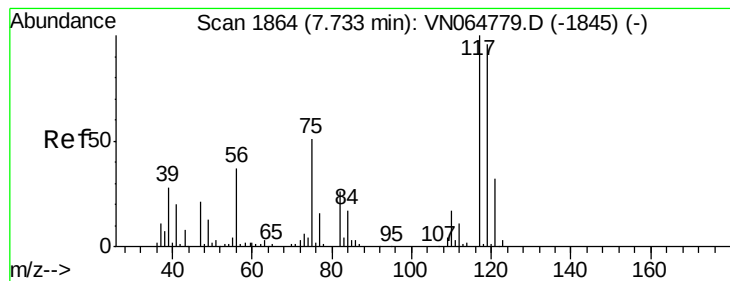
#36
 1,1-Dichloropropene
 Concen: 4.205 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064871.D
 Acq: 30 Nov 2020 14:36

Tgt Ion: 75 Resp: 11637
 Ion Ratio Lower Upper
 75 100
 110 4.6 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: 5.470 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN064871.D

Acq: 30 Nov 2020 14:36

Instrument :

MSVOA_N

ClientSampleId :

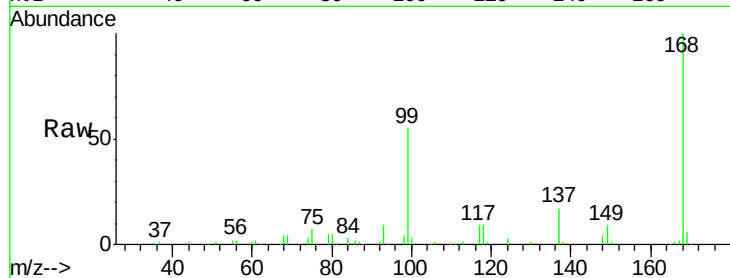
Tot Ion:117 Resp: 15752

Ion Ratio Lower Upper

117 100

119 5.5 76.7 115.1#

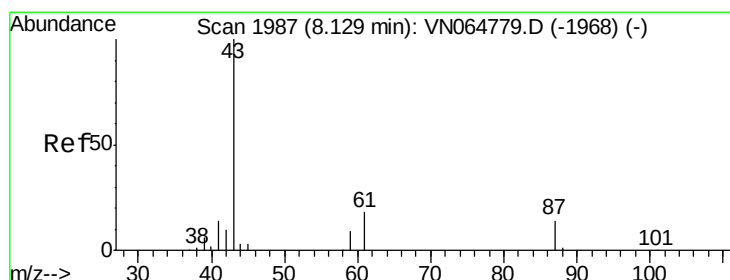
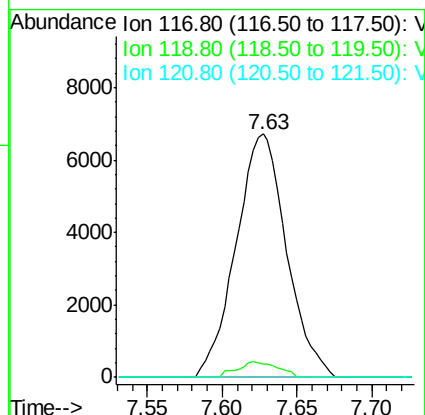
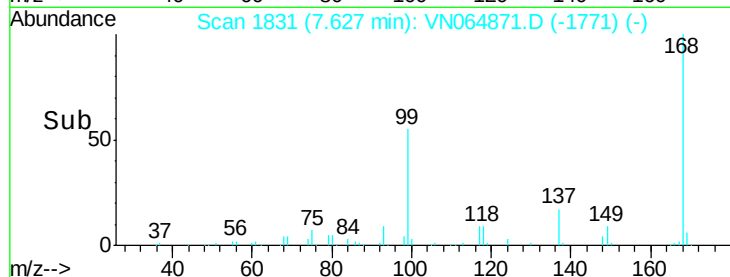
121 0.0 25.4 38.2#



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



#43

Isopropyl Acetate

Concen: 0.296 ug/l

RT: 8.21 min Scan# 2012

Delta R.T. 0.08 min

Lab File: VN064871.D

Acq: 30 Nov 2020 14:36

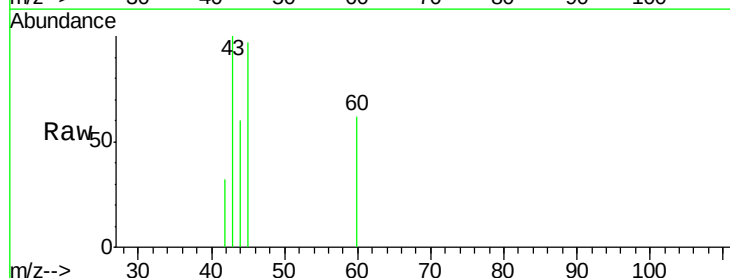
Tgt Ion: 43 Resp: 1271

Ion Ratio Lower Upper

43 100

61 0.0 17.2 25.8#

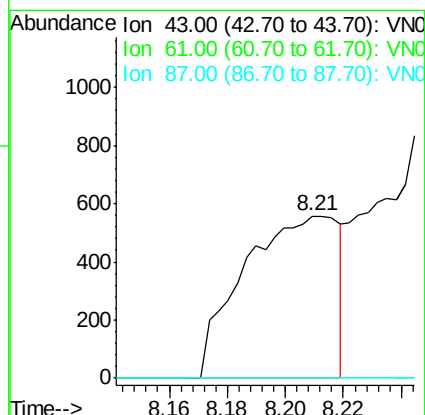
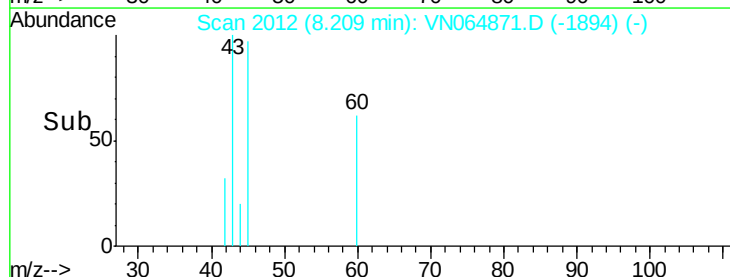
87 0.0 11.4 17.0#

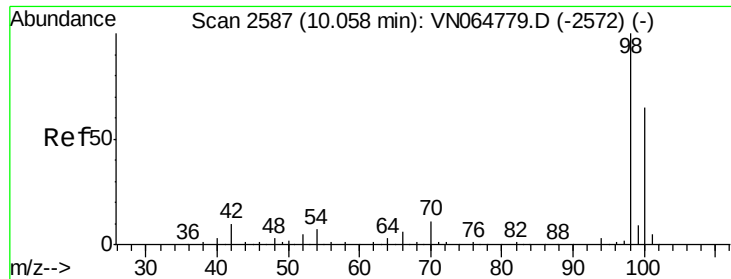


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: 50.944 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064871.D

Acq: 30 Nov 2020 14:36

Instrument :

MSVOA_N

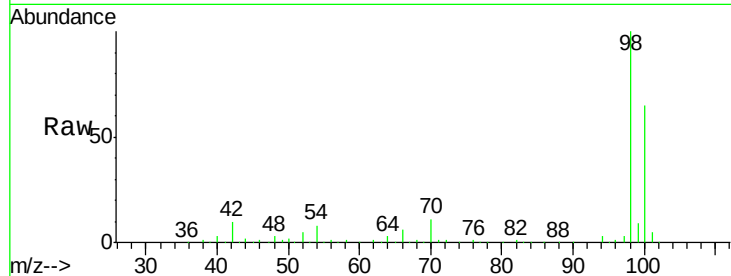
ClientSampleId :

Tot Ion: 98 Resp: 371911

Ion Ratio Lower Upper

98 100

100 65.3 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) (-)

10.06

200000

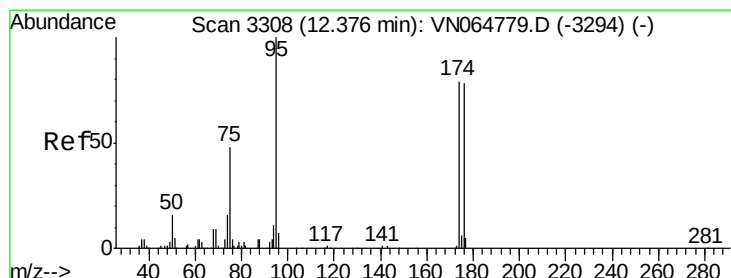
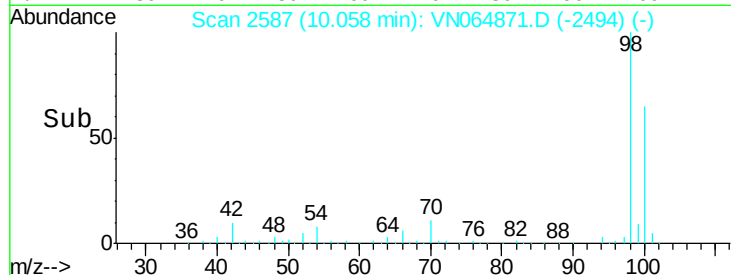
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 56.522 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064871.D

Acq: 30 Nov 2020 14:36

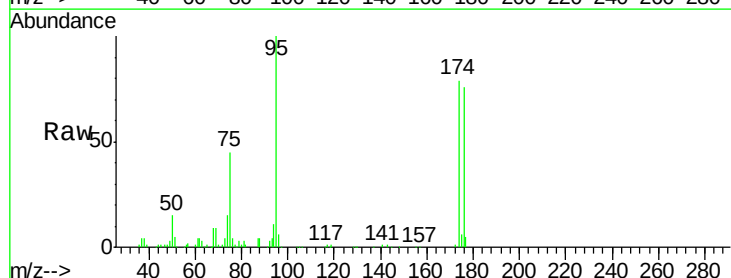
Tgt Ion: 95 Resp: 147673

Ion Ratio Lower Upper

95 100

174 79.5 0.0 160.4

176 76.0 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) (-)

12.38

120000

100000

80000

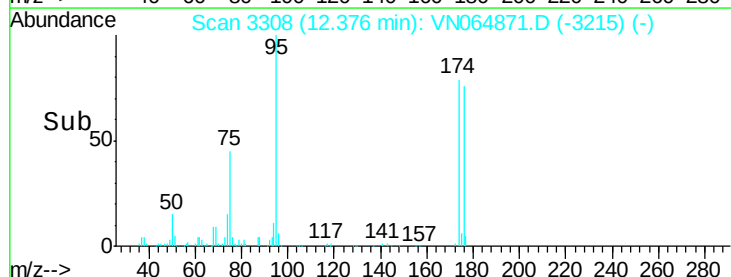
60000

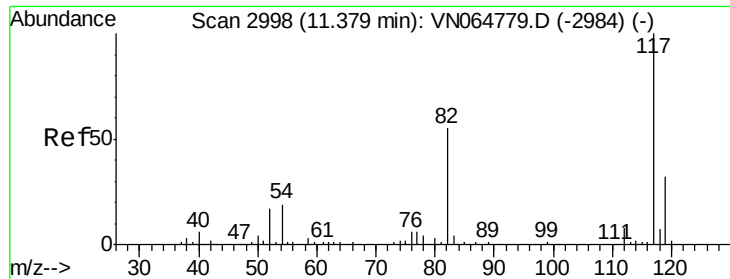
40000

20000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN064871.D

Acq: 30 Nov 2020 14:36

Instrument :

MSVOA_N

ClientSampled :

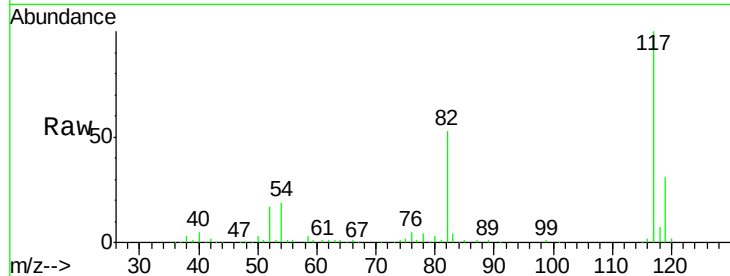
Tot Ion:117 Resp: 310686

Ion Ratio Lower Upper

117 100

82 53.2 44.2 66.2

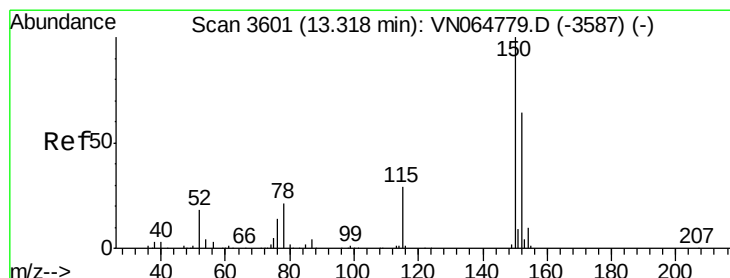
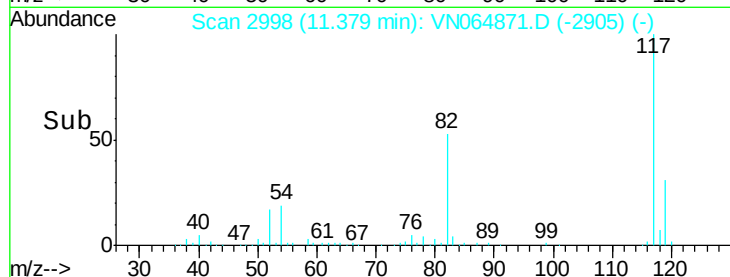
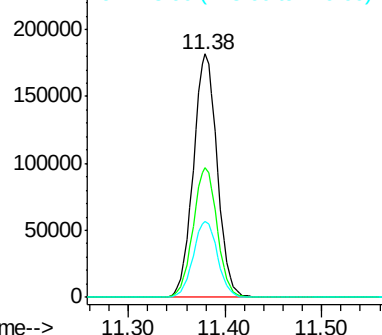
119 31.1 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): 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: VN064871.D

Acq: 30 Nov 2020 14:36

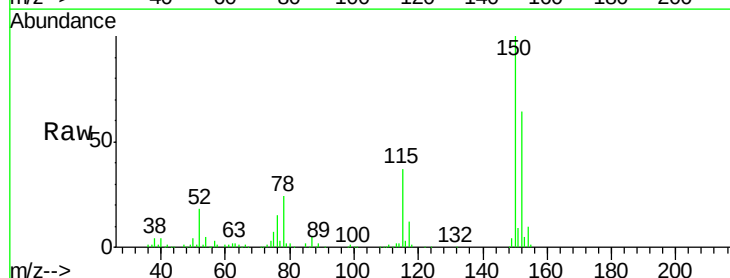
Tgt Ion:152 Resp: 140318

Ion Ratio Lower Upper

152 100

115 59.5 29.7 89.1

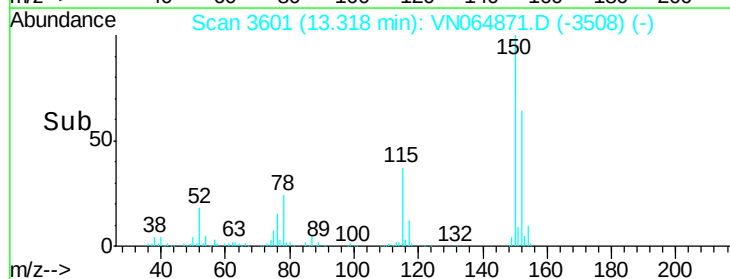
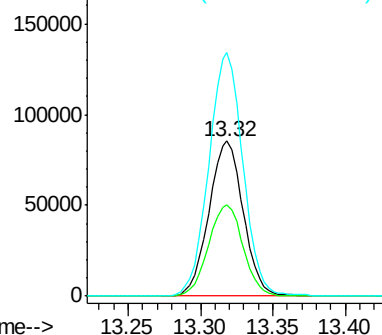
150 156.0 0.0 350.6

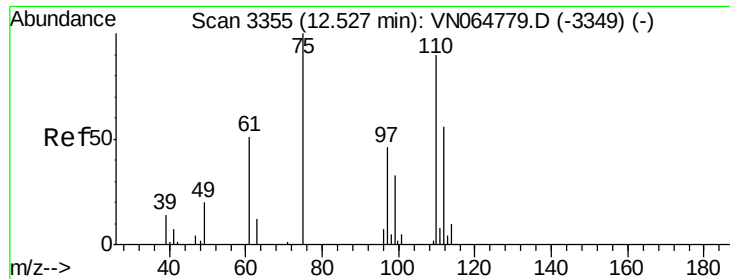


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

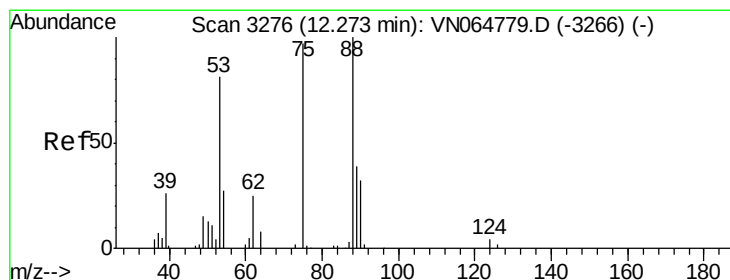
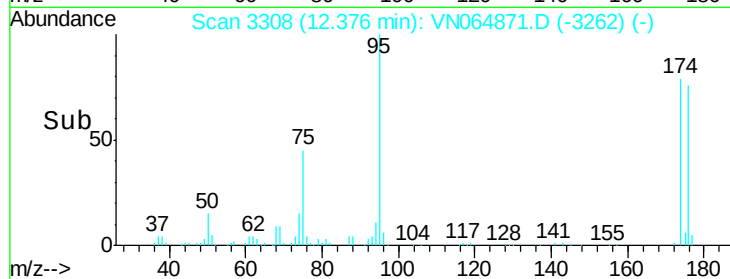
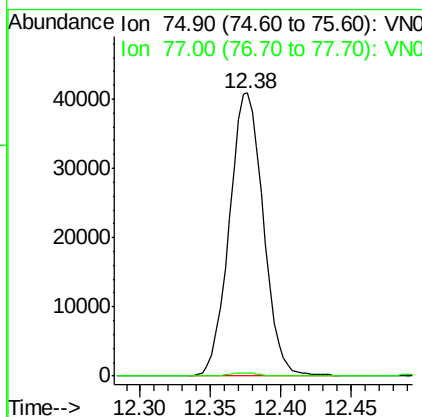
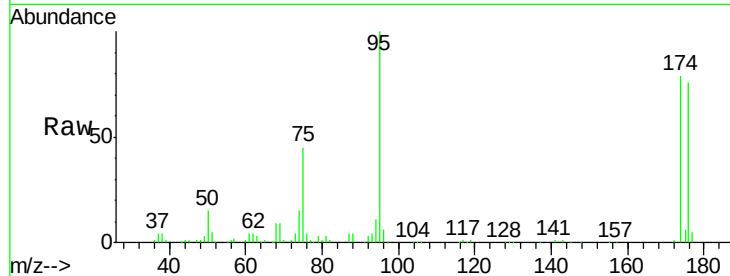




#76
 1,2,3-Trichloropropane
 Concen: 22.810 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.15 min
 Lab File: VN064871.D
 Acq: 30 Nov 2020 14:36

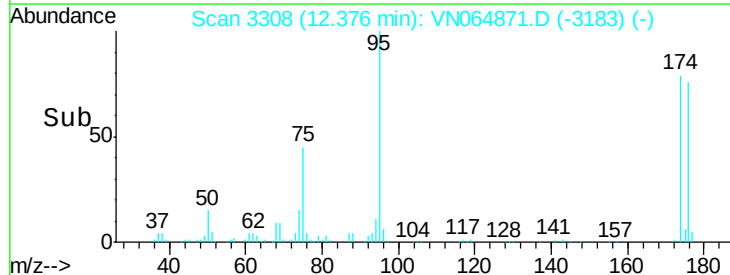
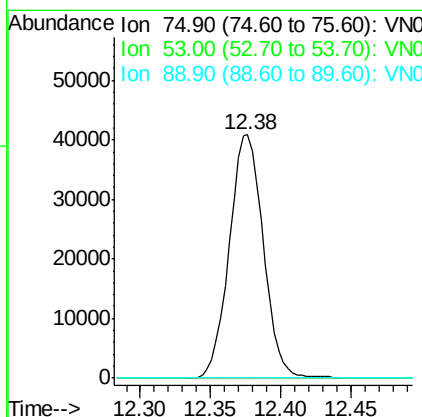
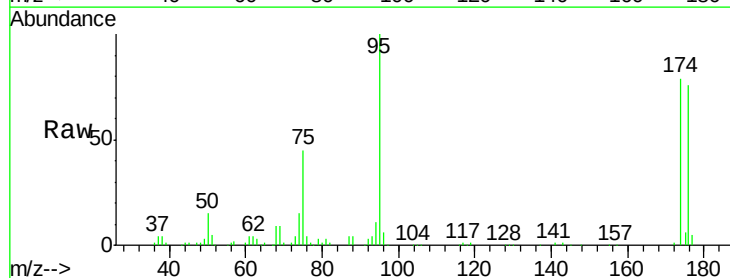
Instrument :
 MSVOA_N
 ClientSampled :

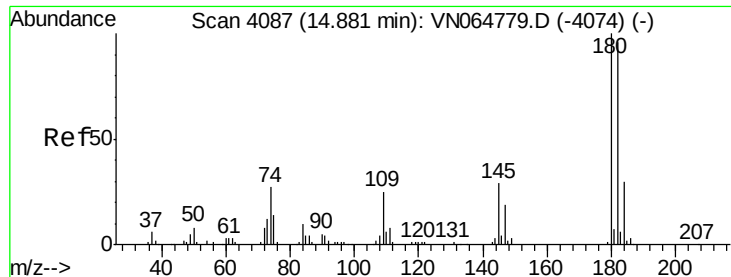
Tot Ion: 75 Resp: 68929
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.517 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN064871.D
 Acq: 30 Nov 2020 14:36

Tgt Ion: 75 Resp: 68929
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.0 100.4#
 89 0.0 39.6 59.4#

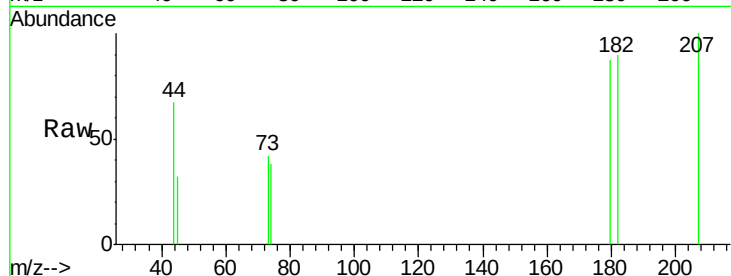




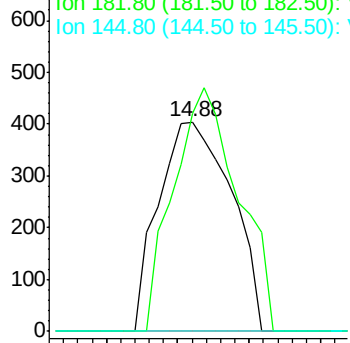
#93
 1,2,4-Trichlorobenzene
 Concen: 0.201 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN064871.D
 Acq: 30 Nov 2020 14:36

Instrument :
 MSVOA_N
 ClientSampleId :

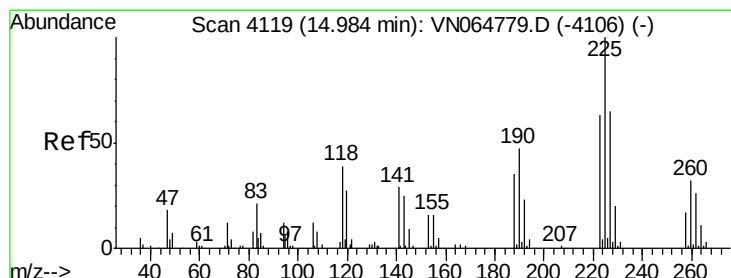
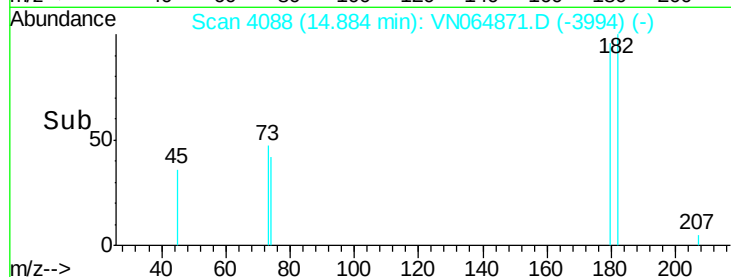
Tot Ion:180 Resp: 571
 Ion Ratio Lower Upper
 180 100
 182 103.2 47.6 142.9
 145 0.0 15.3 45.8#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

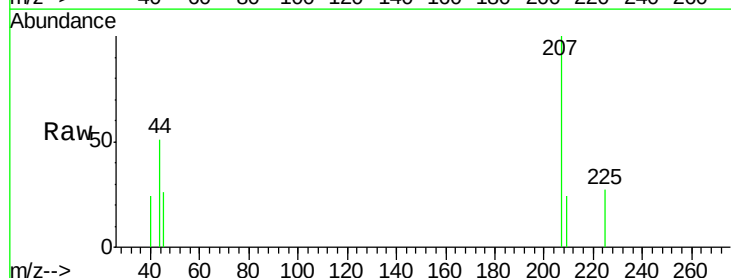


Time--> 14.86 14.88 14.90 14.92

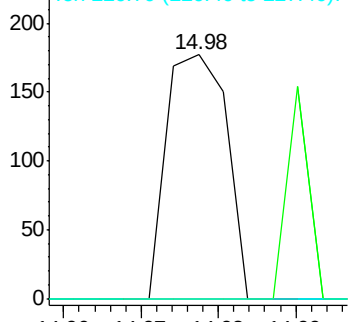


#94
 Hexachlorobutadiene
 Concen: 0.447 ug/l
 RT: 14.98 min Scan# 4117
 Delta R.T. -0.01 min
 Lab File: VN064871.D
 Acq: 30 Nov 2020 14:36

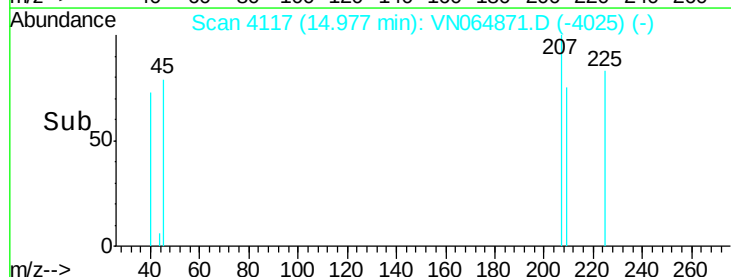
Tgt Ion:225 Resp: 96
 Ion Ratio Lower Upper
 225 100
 223 31.3 31.0 93.0
 227 0.0 32.0 96.0#

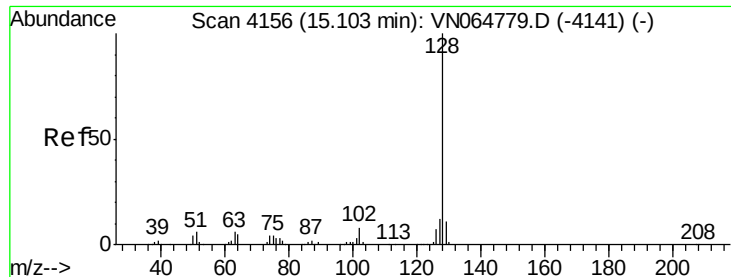


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time--> 14.96 14.97 14.98 14.99





#95

Naphthalene

Concen: 0.301 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN064871.D

Acq: 30 Nov 2020 14:36

Instrument :

MSVOA_N

ClientSampleId :

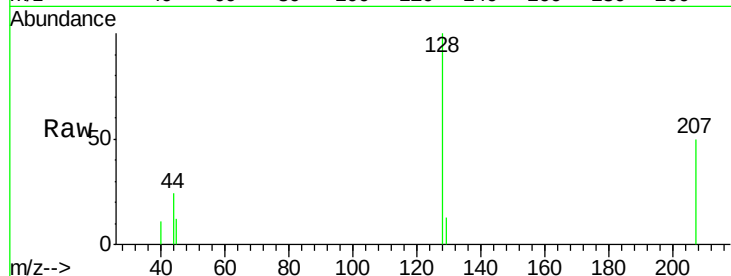
Tot Ion:128 Resp: 2558

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

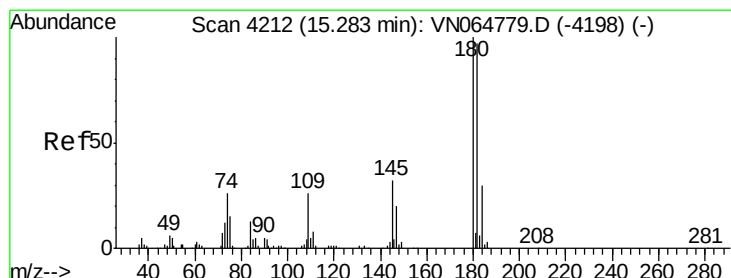
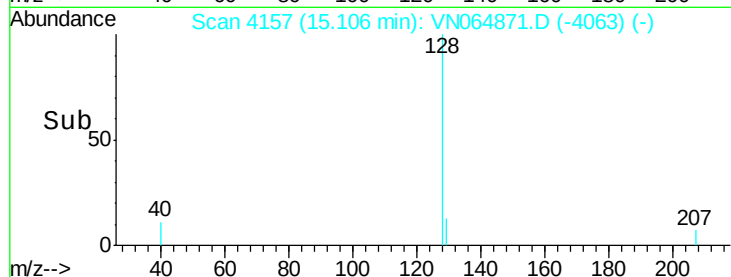
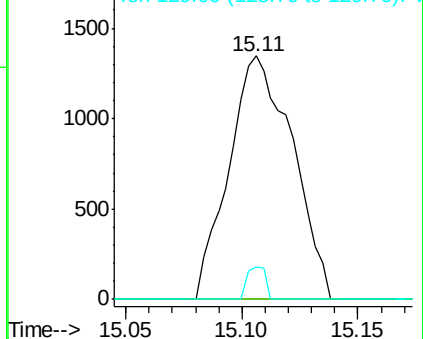
129 3.8 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.655 ug/l

RT: 15.29 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN064871.D

Acq: 30 Nov 2020 14:36

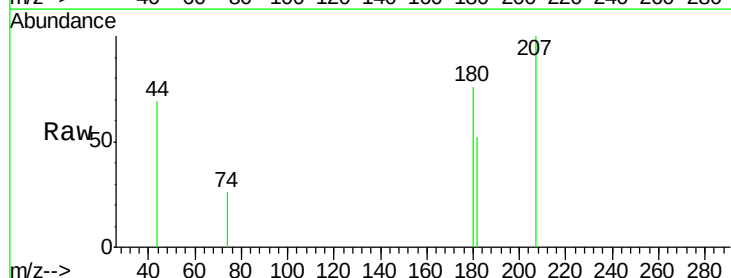
Tgt Ion:180 Resp: 730

Ion Ratio Lower Upper

180 100

182 77.5 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

