

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112520\
 Data File : VN064859.D
 Acq On : 25 Nov 2020 16:30
 Operator : JC/MD
 Sample : L4857-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: Nov 26 03:42:21 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	165334	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	313627	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	324444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	157681	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	104456	54.34	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	108.68%
35) Dibromofluoromethane	7.55	113	94866	50.55	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.10%
50) Toluene-d8	10.06	98	384750	50.18	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.36%
62) 4-Bromofluorobenzene	12.37	95	162409	59.18	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	118.36%

Target Compounds

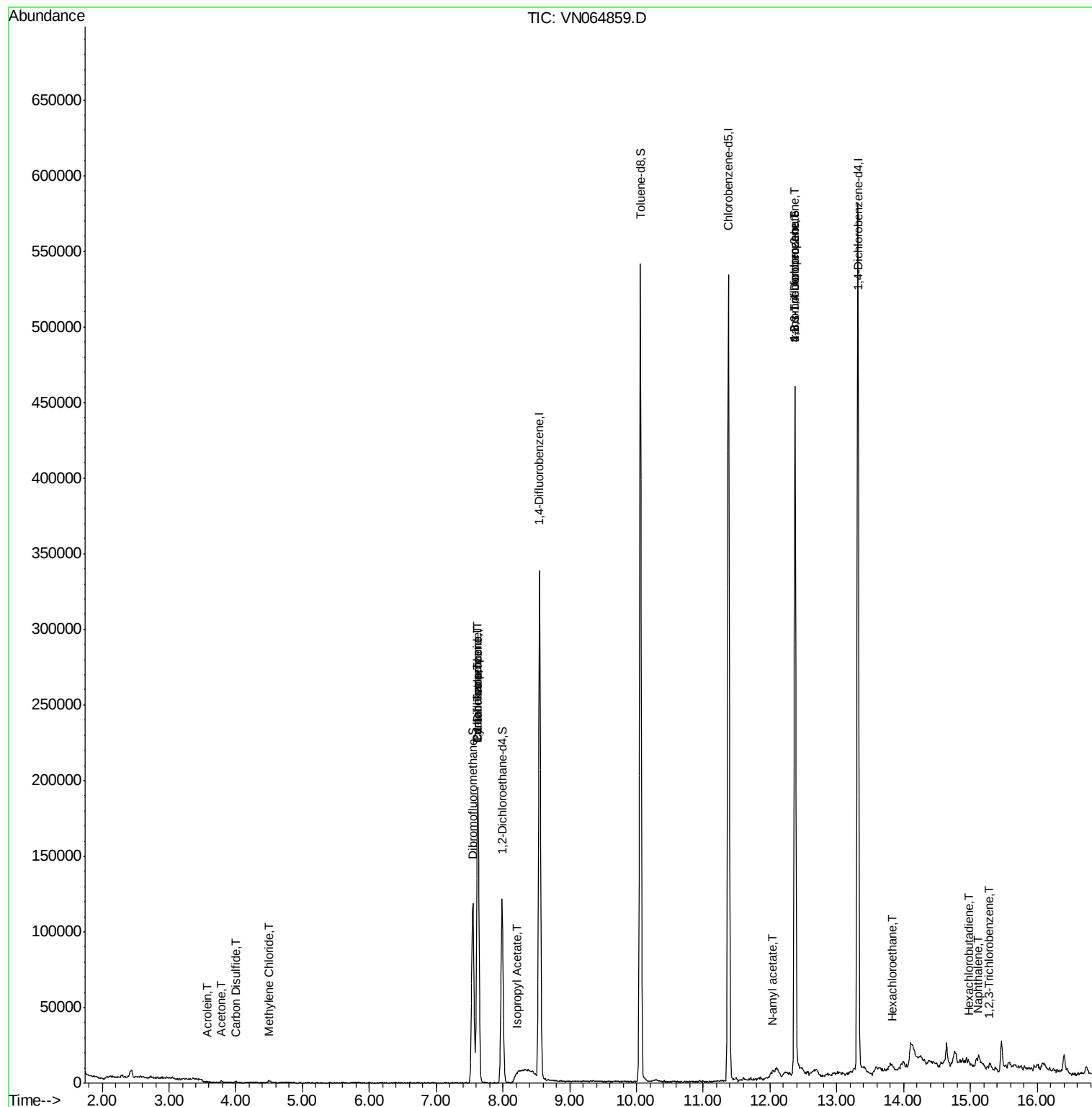
					Qvalue	
13) Acrolein	3.57	56	100	0.546	ug/l #	14
16) Acetone	3.78	43	1969	3.116	ug/l #	70
17) Carbon Disulfide	4.00	76	1248	0.307	ug/l #	75
20) Methylene Chloride	4.49	84	820	0.414	ug/l #	78
31) Cyclohexane	7.62	56	3157	1.178	ug/l #	6
36) 1,1-Dichloropropene	7.62	75	11958	4.114	ug/l #	50
38) Carbon Tetrachloride	7.62	117	15107	4.994	ug/l #	16
43) Isopropyl Acetate	8.20	43	5360	1.190	ug/l #	59
74) N-amyl acetate	12.03	43	884	0.205	ug/l #	75
76) 1,2,3-Trichloropropane	12.37	75	76686	22.583	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	76686	61.894	ug/l #	15
90) Hexachloroethane	13.85	117	388	0.242	ug/l #	9
94) Hexachlorobutadiene	14.98	225	186	0.501	ug/l #	19
95) Naphthalene	15.11	128	2561	0.268	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.29	180	284	1.483	ug/l #	51

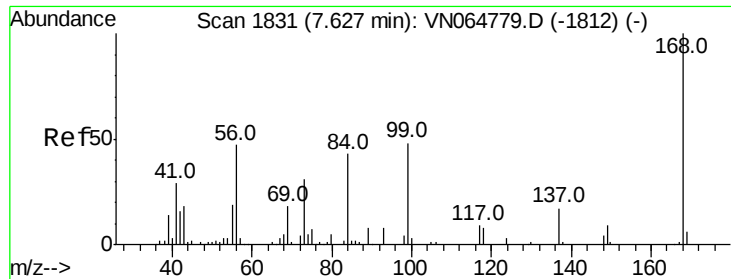
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN064859.D

Acq: 25 Nov 2020 16:30

Instrument :

MSVOA_N

ClientSampleId :

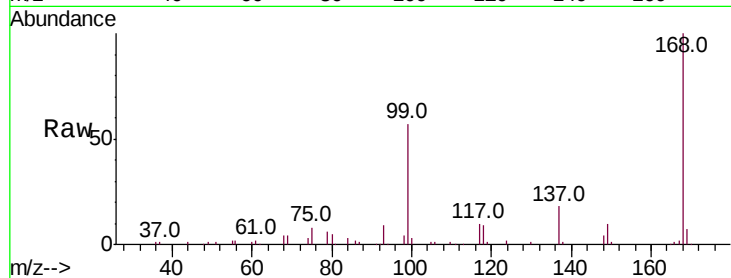
TRIP-BLANK

Tot Ion:168 Resp: 165334

Ion Ratio Lower Upper

168 100

99 57.4 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): VN064779.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN064779.D (-1812) (-)

7.62

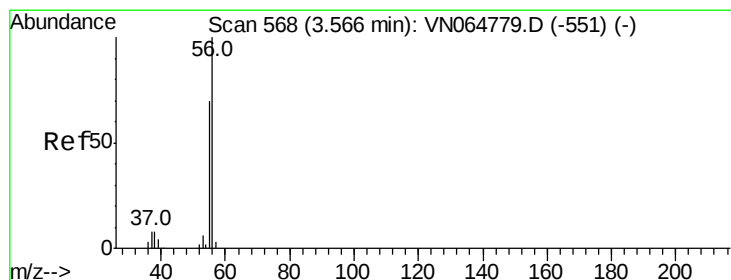
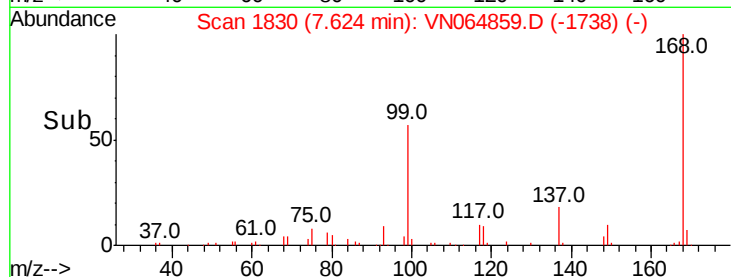
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#13

Acrolein

Concen: 0.546 ug/l

RT: 3.57 min Scan# 570

Delta R.T. 0.01 min

Lab File: VN064859.D

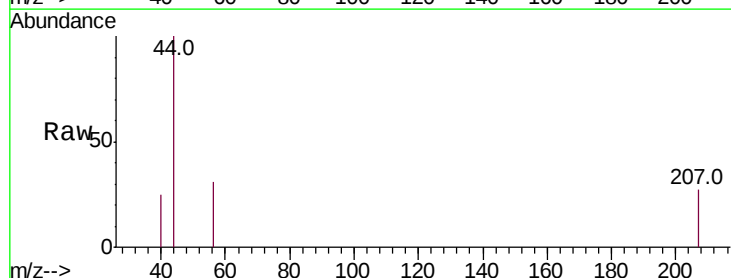
Acq: 25 Nov 2020 16:30

Tgt Ion: 56 Resp: 100

Ion Ratio Lower Upper

56 100

55 0.0 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VN064779.D (-551) (-)

Ion 55.00 (54.70 to 55.70): VN064779.D (-551) (-)

3.57

200

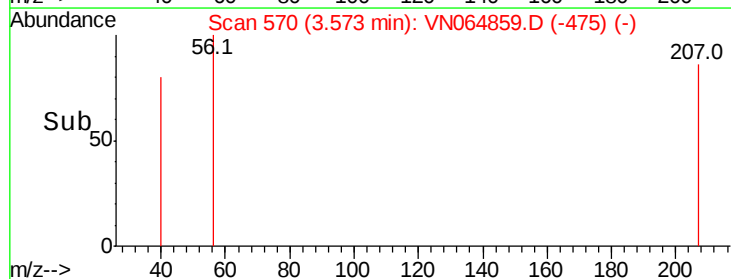
150

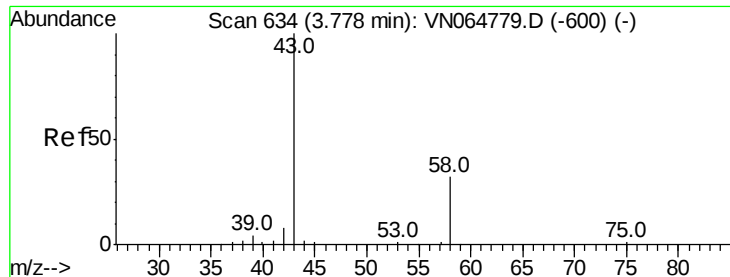
100

50

0

Time--> 3.56 3.57 3.58





#16

Acetone

Concen: 3.116 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN064859.D

Acq: 25 Nov 2020 16:30

Instrument :

MSVOA_N

ClientSampleId :

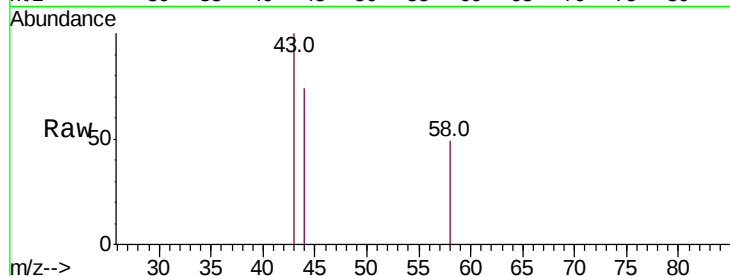
TRIP-BLANK

Tot Ion: 43 Resp: 1969

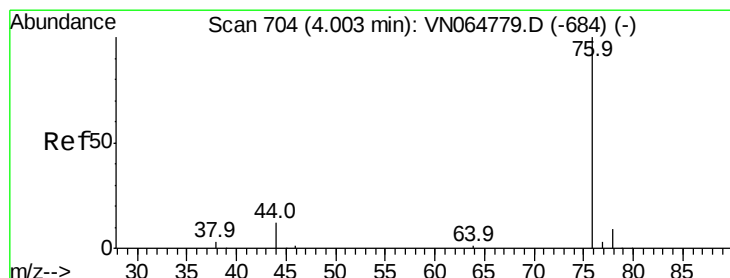
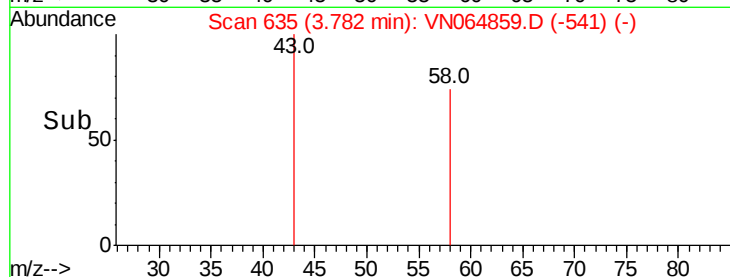
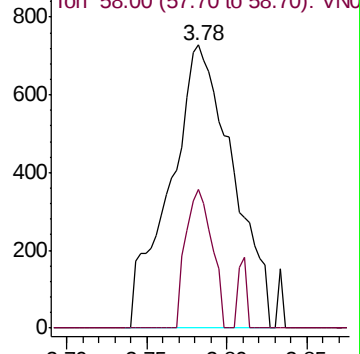
Ion Ratio Lower Upper

43 100

58 48.9 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VN064859.D (-541) (-)



#17

Carbon Disulfide

Concen: 0.307 ug/l

RT: 4.00 min Scan# 703

Delta R.T. -0.00 min

Lab File: VN064859.D

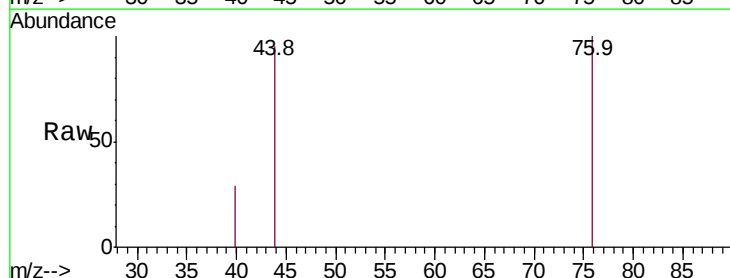
Acq: 25 Nov 2020 16:30

Tgt Ion: 76 Resp: 1248

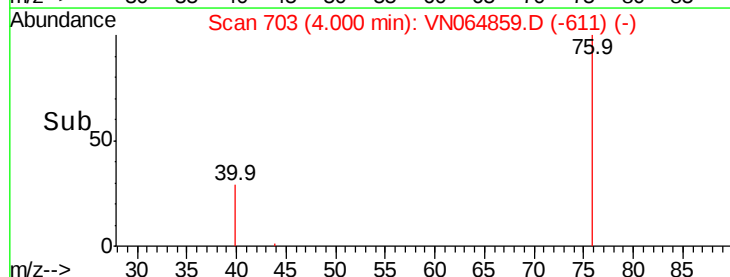
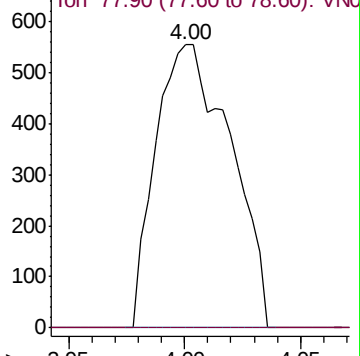
Ion Ratio Lower Upper

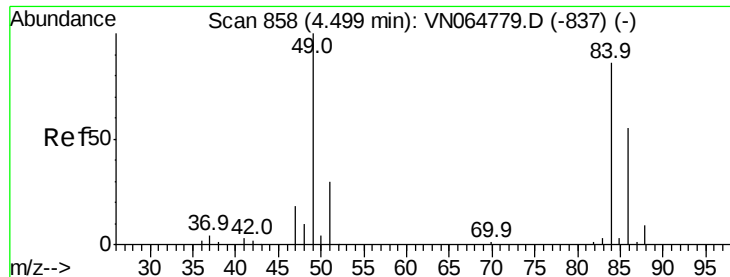
76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN064859.D (-611) (-)

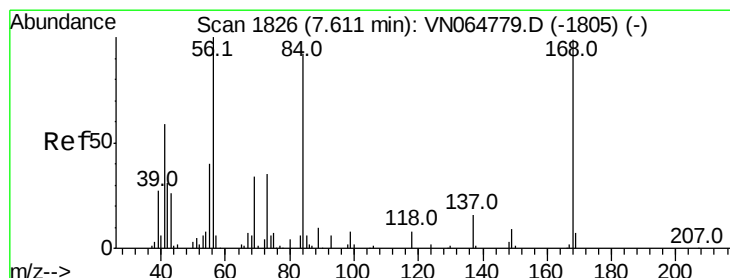
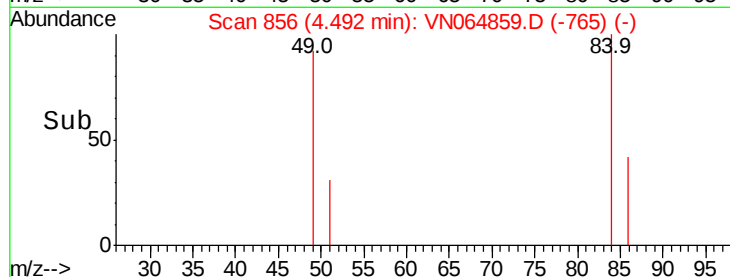
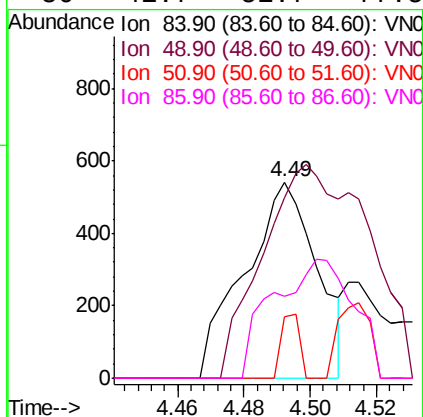
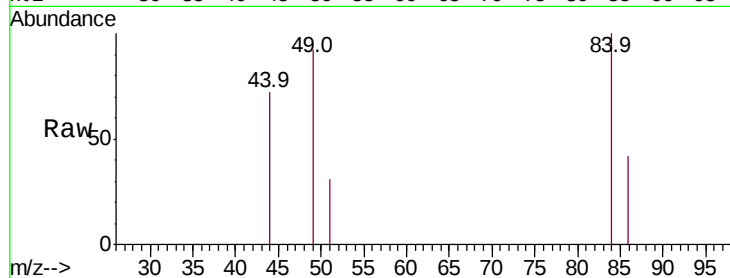




#20
Methvlene Chloride
Concen: 0.414 ug/l
RT: 4.49 min Scan# 856
Delta R.T. -0.01 min
Lab File: VN064859.D
Acq: 25 Nov 2020 16:30

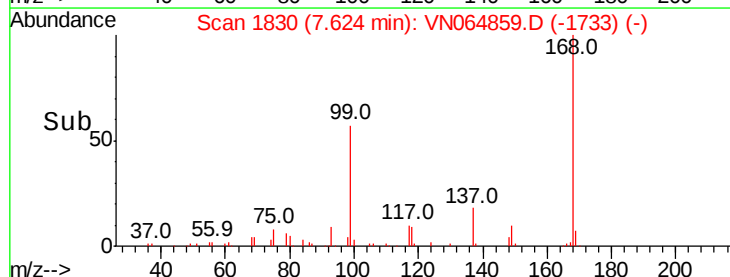
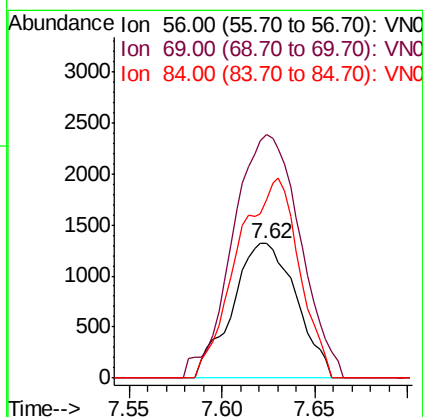
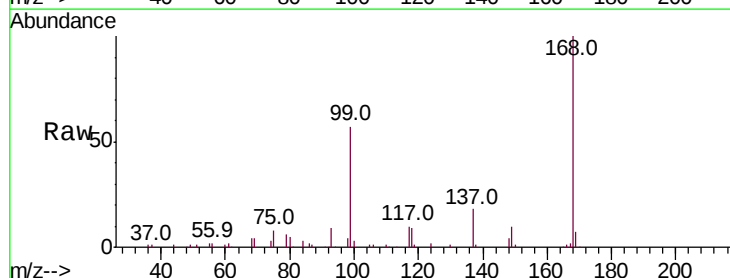
Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

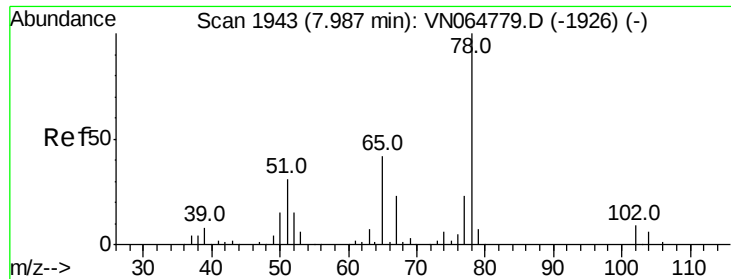
Tot Ion: 84 Resp: 820
Ion Ratio Lower Upper
84 100
49 92.3 93.4 140.0#
51 31.4 28.2 42.4
86 41.7 51.7 77.5#



#31
Cyclohexane
Concen: 1.178 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN064859.D
Acq: 25 Nov 2020 16:30

Tgt Ion: 56 Resp: 3157
Ion Ratio Lower Upper
56 100
69 168.3 27.5 41.3#
84 132.9 73.9 110.9#

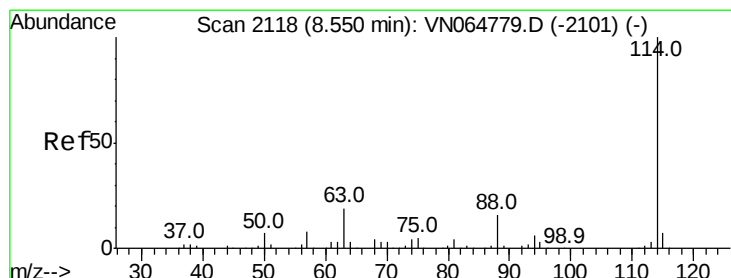
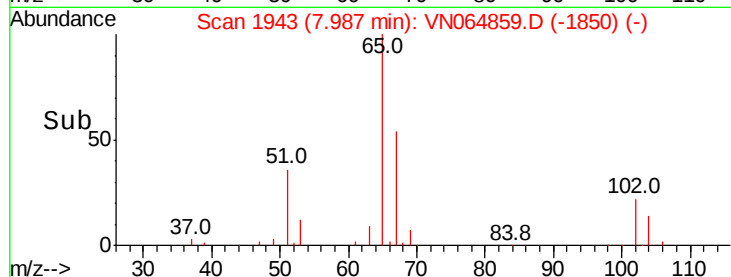
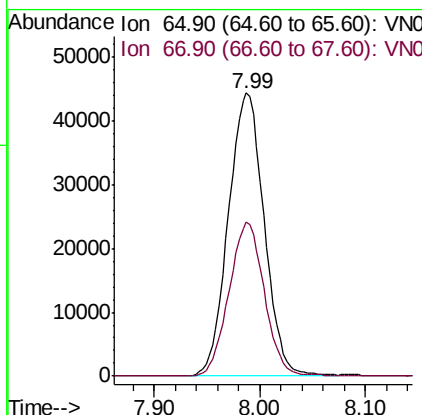
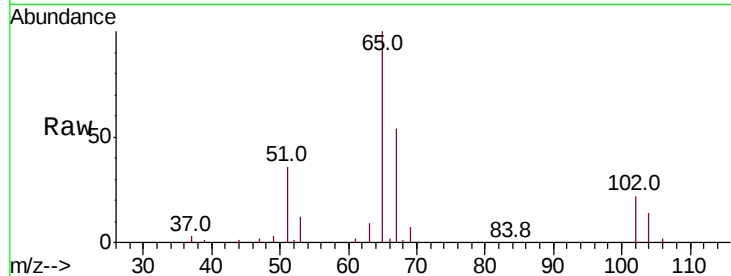




#33
 1,2-Dichloroethane-d4
 Concen: 54.344 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064859.D
 Acq: 25 Nov 2020 16:30

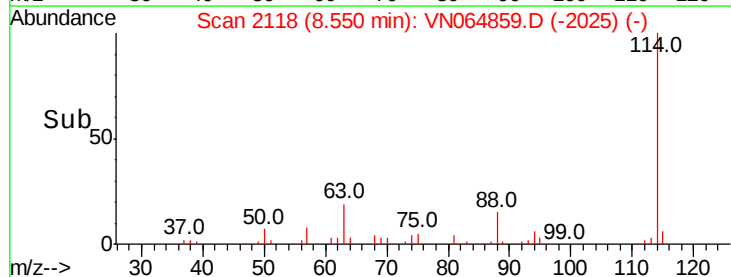
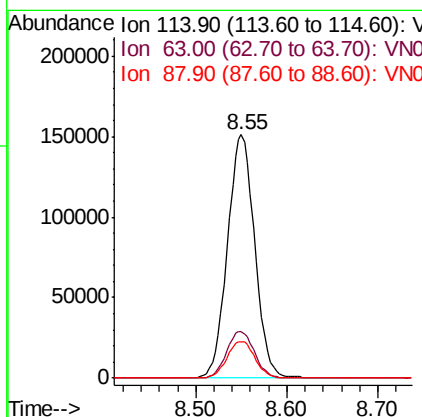
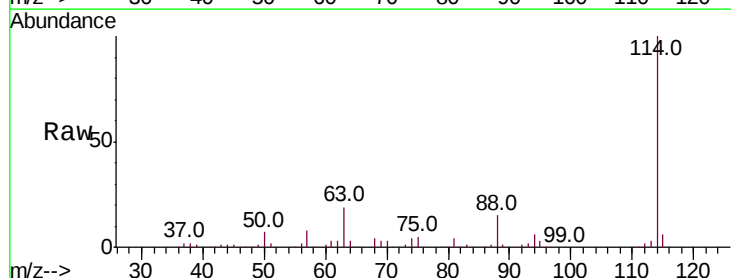
Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

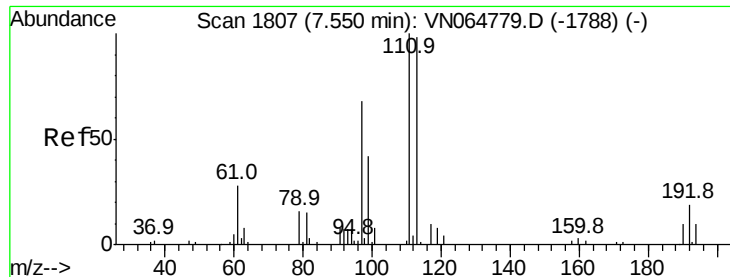
Tot Ion: 65 Resp: 104456
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064859.D
 Acq: 25 Nov 2020 16:30

Tgt Ion: 114 Resp: 313627
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.6
 88 15.1 0.0 32.6

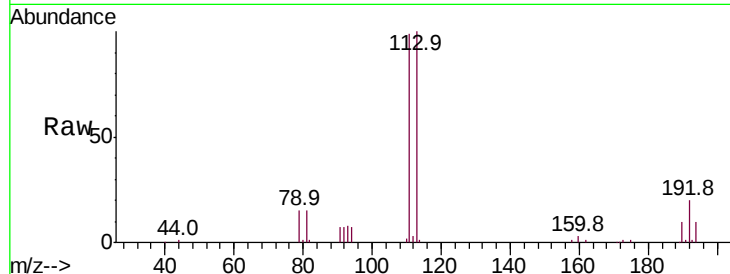




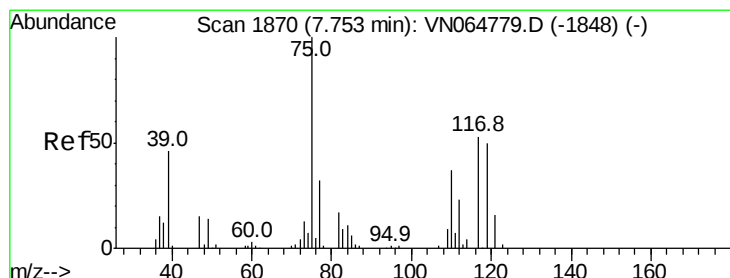
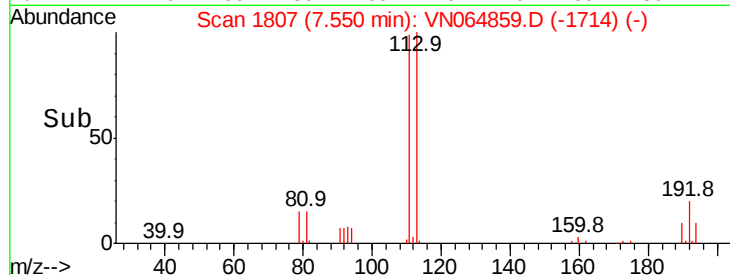
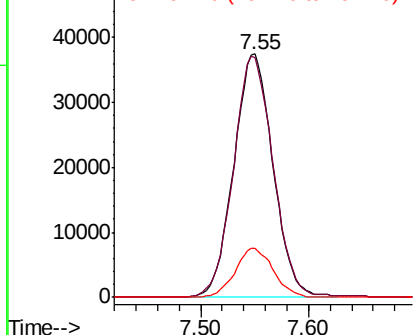
#35
 Dibromofluoromethane
 Concen: 50.551 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064859.D
 Acq: 25 Nov 2020 16:30

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Tot Ion:113 Resp: 94866
 Ion Ratio Lower Upper
 113 100
 111 100.2 81.6 122.4
 192 19.4 16.2 24.2

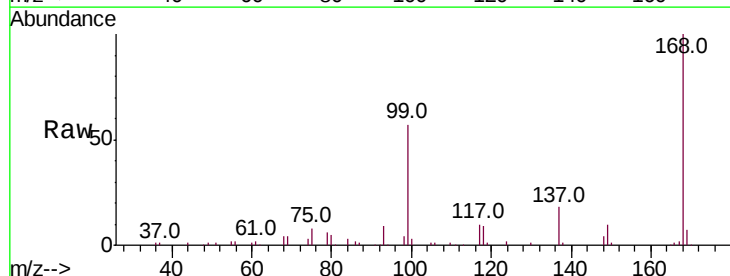


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

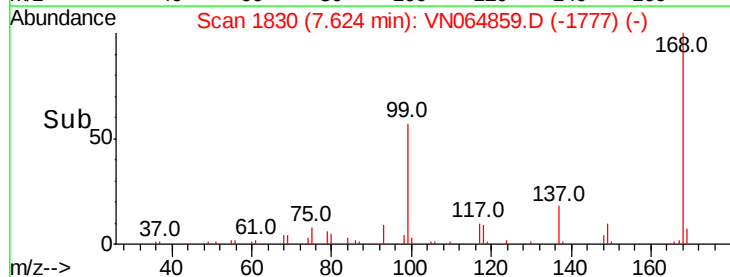
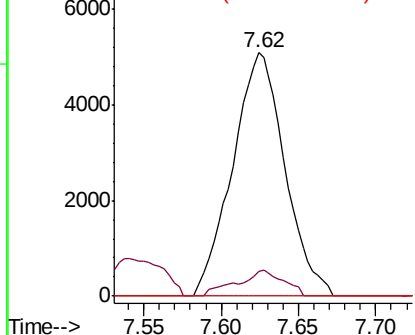


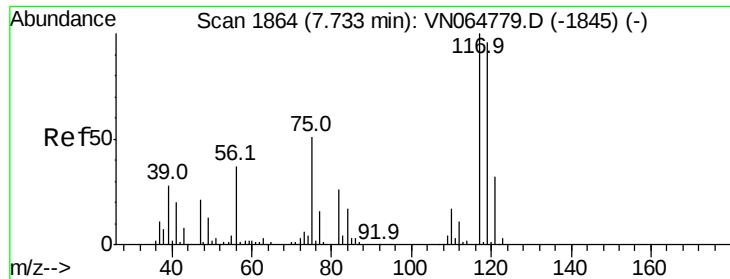
#36
 1,1-Dichloropropene
 Concen: 4.114 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064859.D
 Acq: 25 Nov 2020 16:30

Tgt Ion: 75 Resp: 11958
 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: 4.994 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN064859.D

Acq: 25 Nov 2020 16:30

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

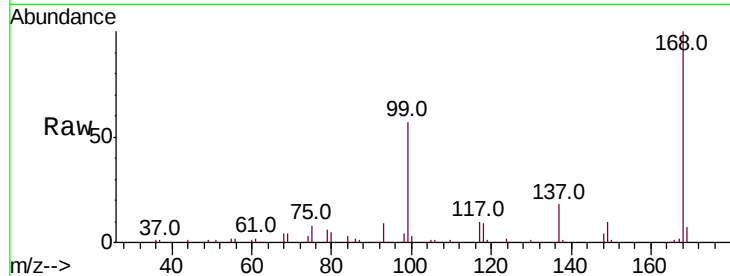
Tot Ion:117 Resp: 15107

Ion Ratio Lower Upper

117 100

119 5.5 76.7 115.1#

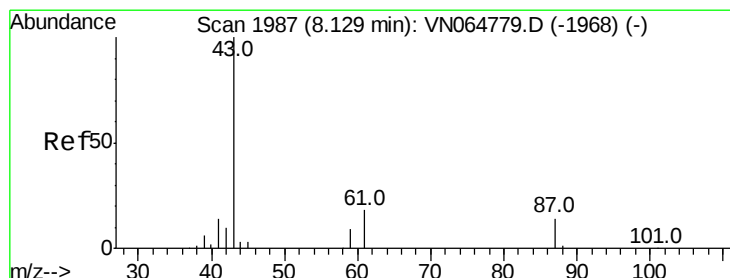
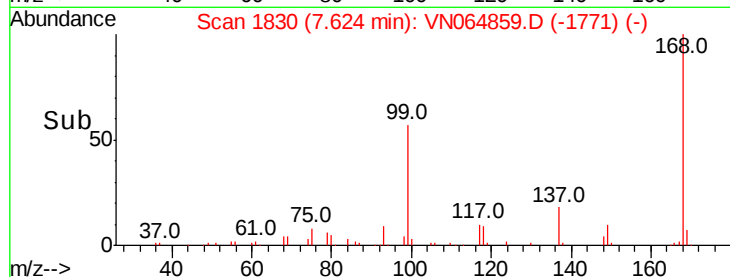
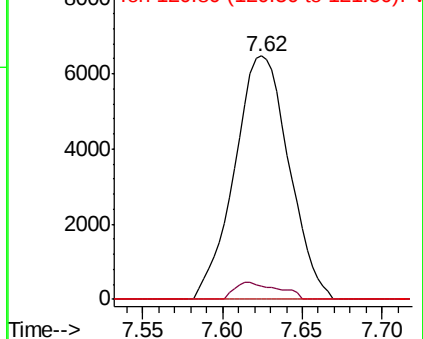
121 0.0 25.4 38.2#



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: 1.190 ug/l

RT: 8.20 min Scan# 2010

Delta R.T. 0.07 min

Lab File: VN064859.D

Acq: 25 Nov 2020 16:30

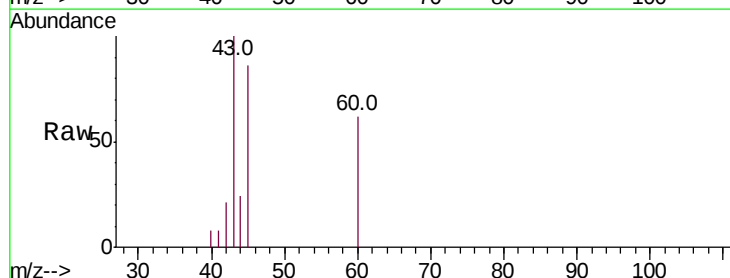
Tgt Ion: 43 Resp: 5360

Ion Ratio Lower Upper

43 100

61 0.0 17.2 25.8#

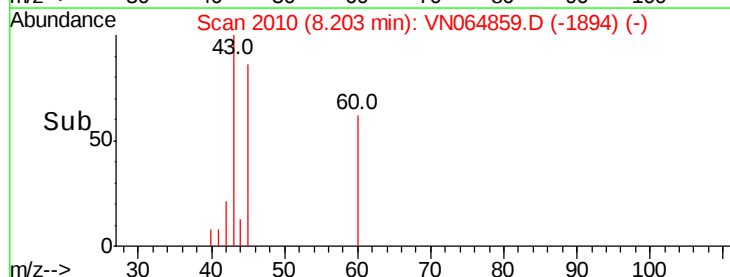
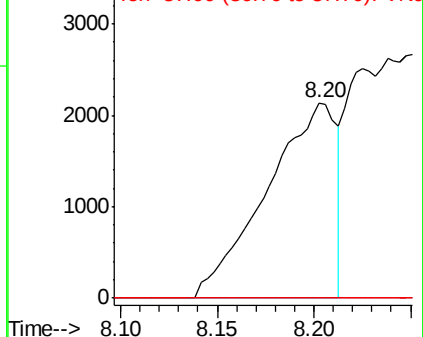
87 0.0 11.4 17.0#

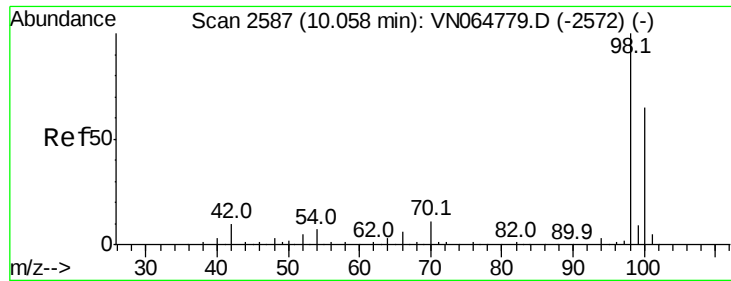


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: 50.177 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064859.D

Acq: 25 Nov 2020 16:30

Instrument :

MSVOA_N

ClientSampleId :

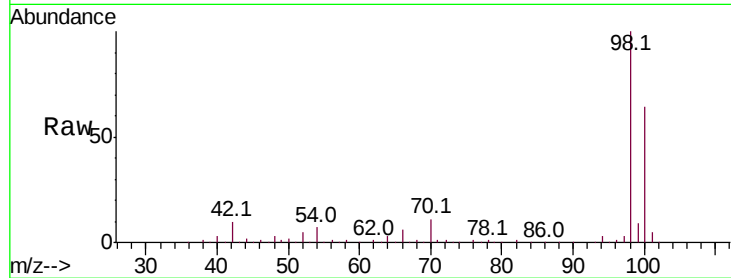
TRIP-BLANK

Tot Ion: 98 Resp: 384750

Ion Ratio Lower Upper

98 100

100 63.9 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

250000

200000

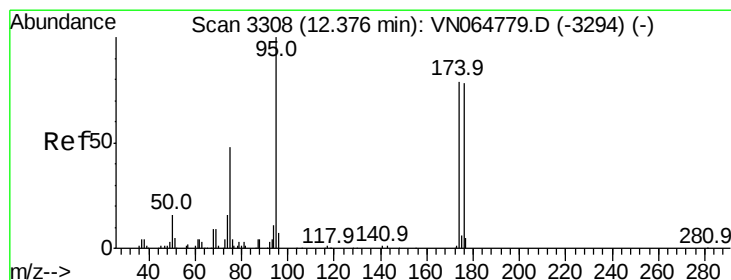
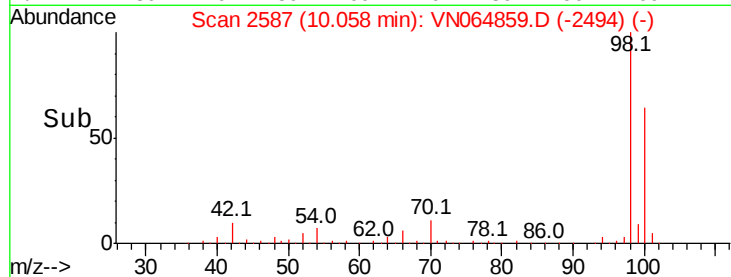
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 59.183 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.00 min

Lab File: VN064859.D

Acq: 25 Nov 2020 16:30

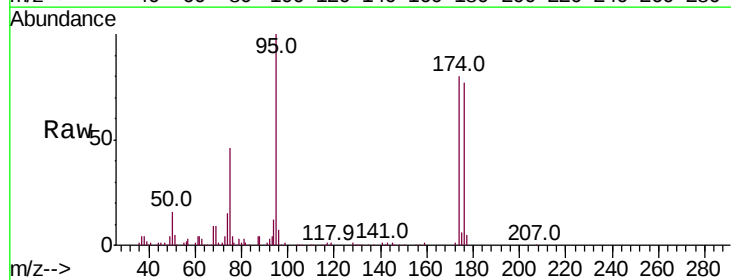
Tgt Ion: 95 Resp: 162409

Ion Ratio Lower Upper

95 100

174 81.4 0.0 160.4

176 78.1 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) (-)

12.37

120000

100000

80000

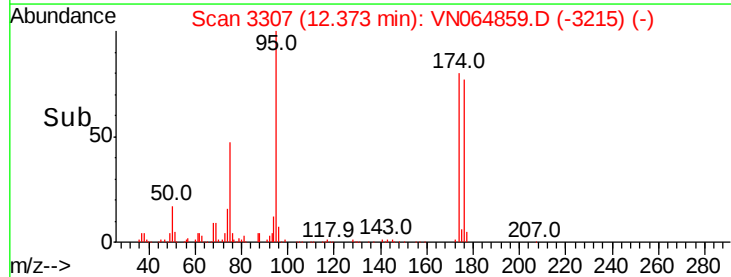
60000

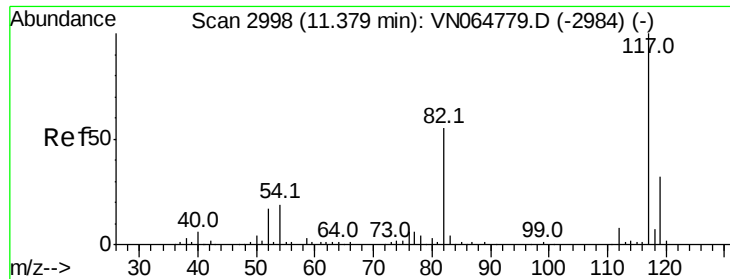
40000

20000

0

Time-->

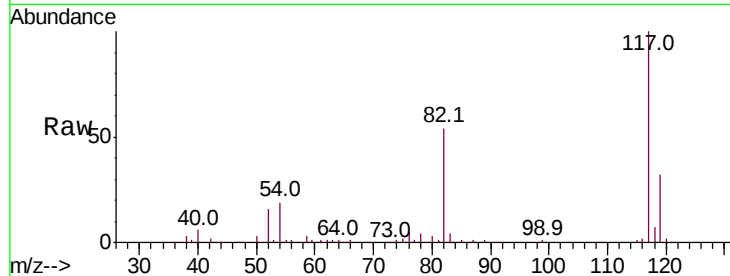




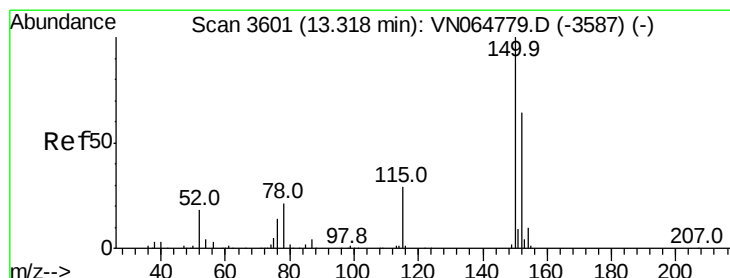
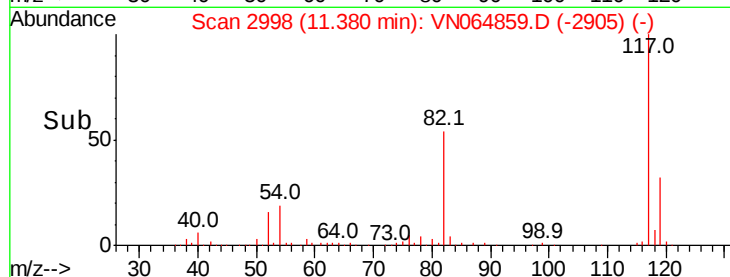
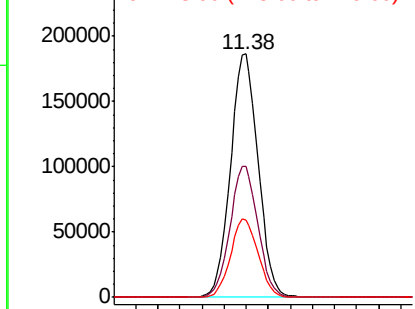
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064859.D
Acq: 25 Nov 2020 16:30

Instrument :
MSVOA_N
ClientSampled :
TRIP-BLANK

Tot Ion:117 Resp: 324444
Ion Ratio Lower Upper
117 100
82 53.9 44.2 66.2
119 31.9 25.8 38.6

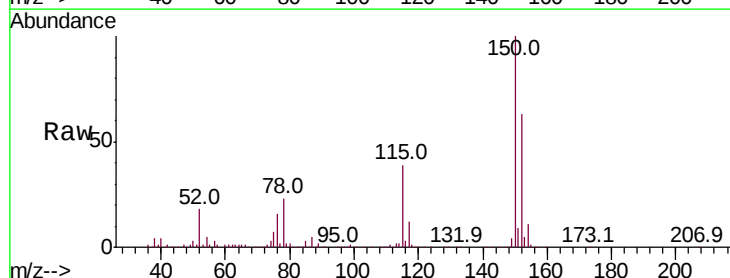


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

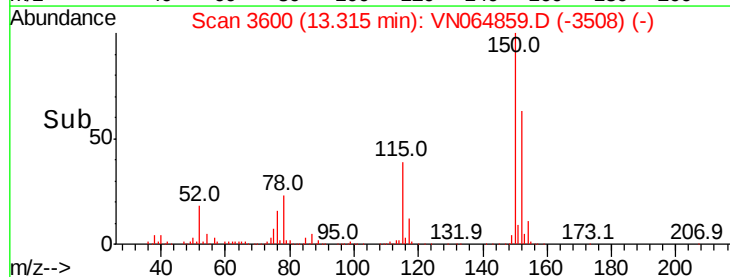
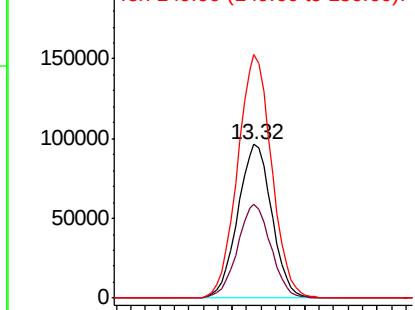


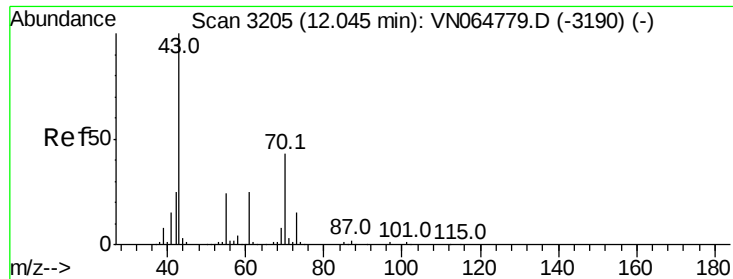
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN064859.D
Acq: 25 Nov 2020 16:30

Tgt Ion:152 Resp: 157681
Ion Ratio Lower Upper
152 100
115 58.7 29.7 89.1
150 158.1 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





#74

N-amvl acetate

Concen: 0.205 ug/l

RT: 12.03 min Scan# 3201

Delta R.T. -0.01 min

Lab File: VN064859.D

Acq: 25 Nov 2020 16:30

Instrument :

MSVOA_N

ClientSampled :

TRIP-BLANK

Tot Ion: 43 Resp: 884

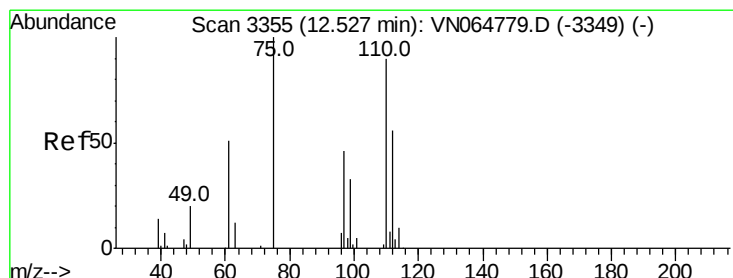
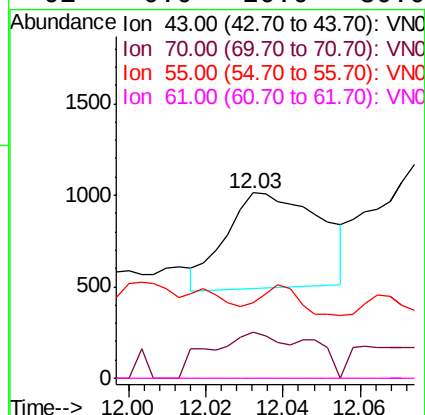
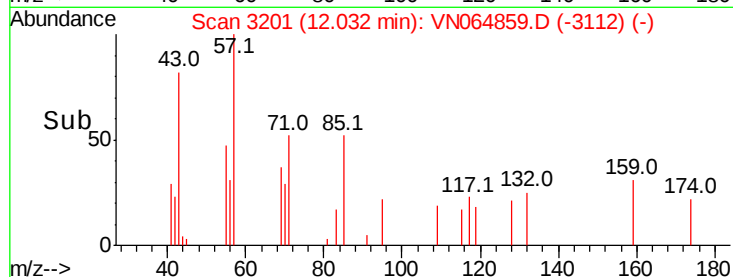
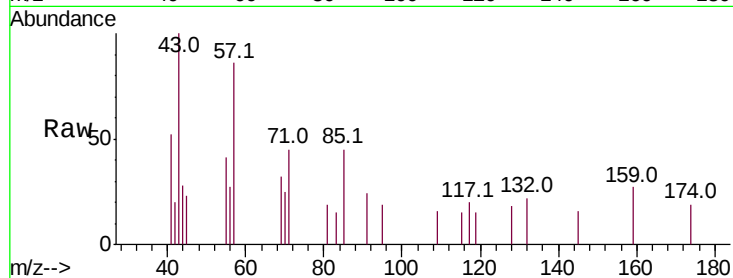
Ion Ratio Lower Upper

43 100

70 37.9 34.5 51.7

55 10.7 20.4 30.6#

61 0.0 20.0 30.0#



#76

1,2,3-Trichloropropane

Concen: 22.583 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN064859.D

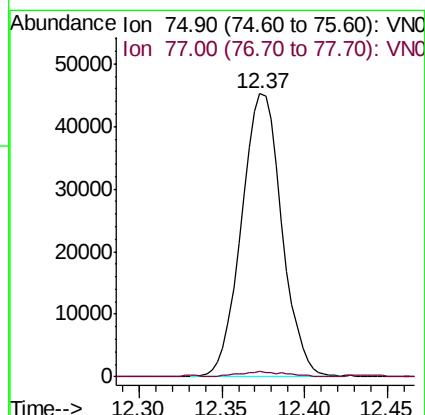
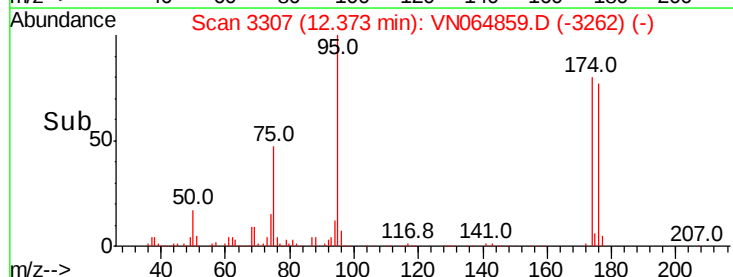
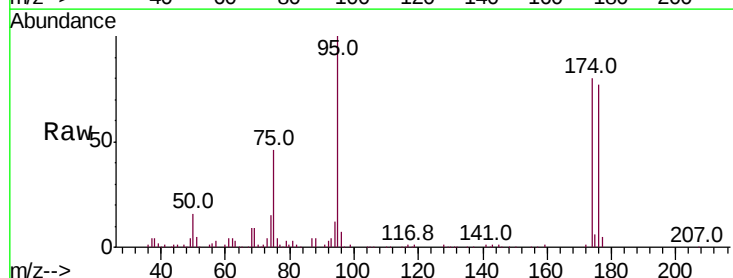
Acq: 25 Nov 2020 16:30

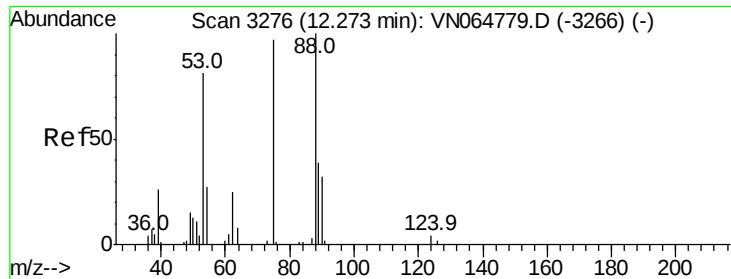
Tgt Ion: 75 Resp: 76686

Ion Ratio Lower Upper

75 100

77 2.1 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 61.894 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN064859.D

Acq: 25 Nov 2020 16:30

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

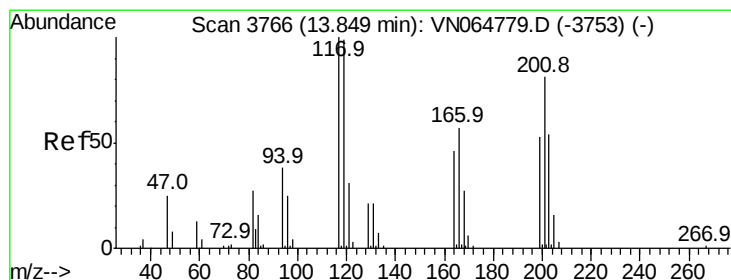
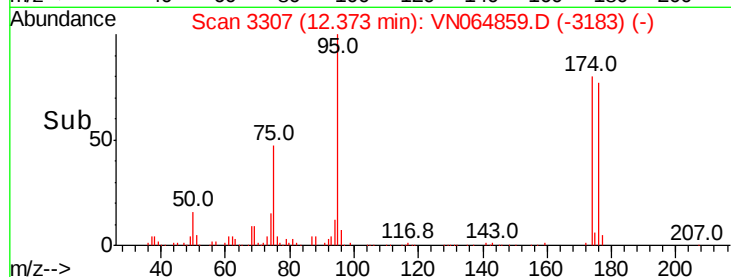
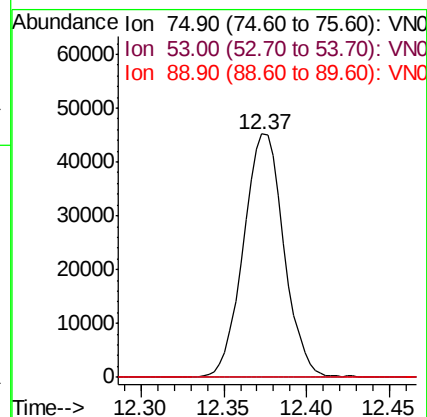
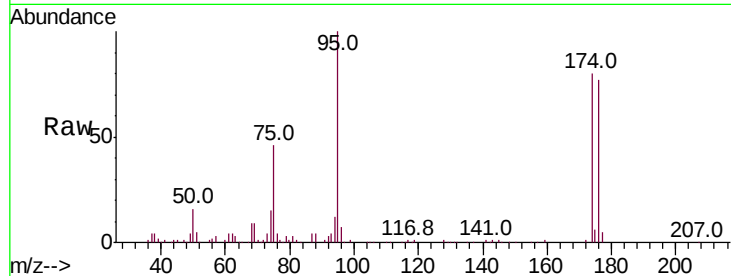
Tot Ion: 75 Resp: 76686

Ion Ratio Lower Upper

75 100

53 0.1 67.0 100.4#

89 0.0 39.6 59.4#



#90

Hexachloroethane

Concen: 0.242 ug/l

RT: 13.85 min Scan# 3765

Delta R.T. -0.00 min

Lab File: VN064859.D

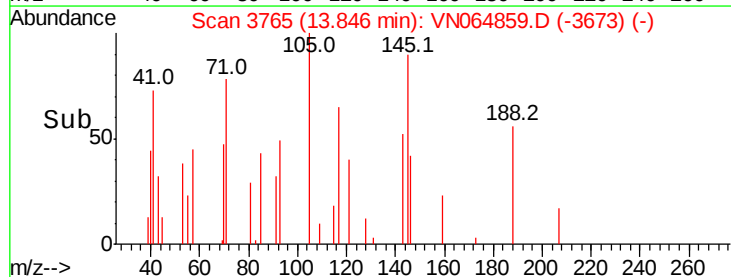
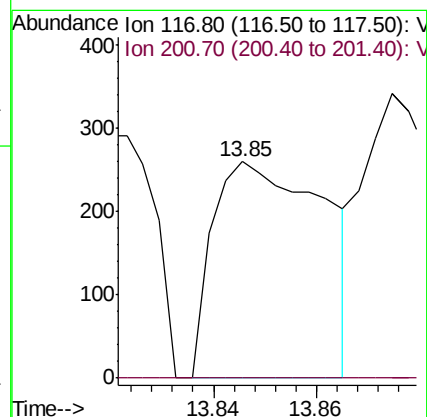
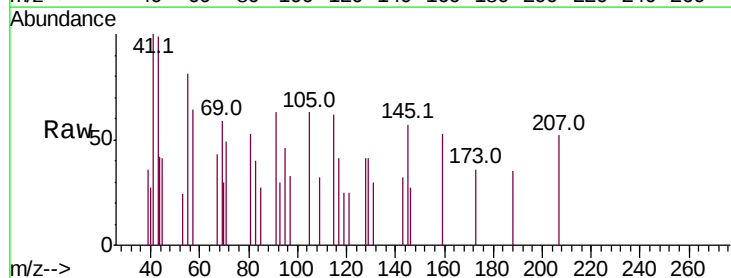
Acq: 25 Nov 2020 16:30

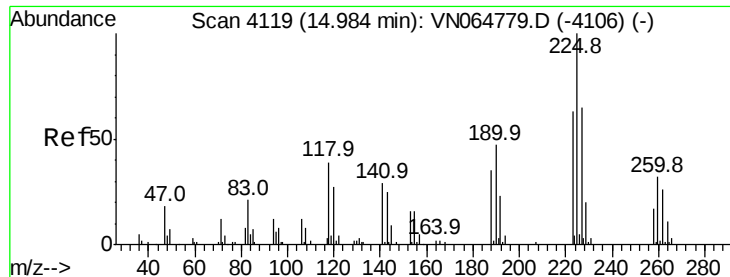
Tgt Ion: 117 Resp: 388

Ion Ratio Lower Upper

117 100

201 0.0 40.1 120.3#





#94

Hexachlorobutadiene

Concen: 0.501 ug/l

RT: 14.98 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VN064859.D

Acq: 25 Nov 2020 16:30

Instrument :

MSVOA_N

ClientSampled :

TRIP-BLANK

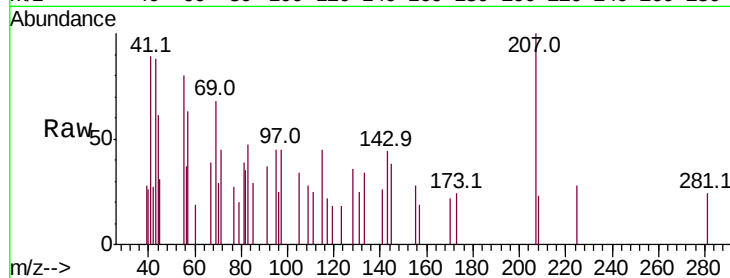
Tot Ion:225 Resp: 186

Ion Ratio Lower Upper

225 100

223 0.0 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

14.98

250

200

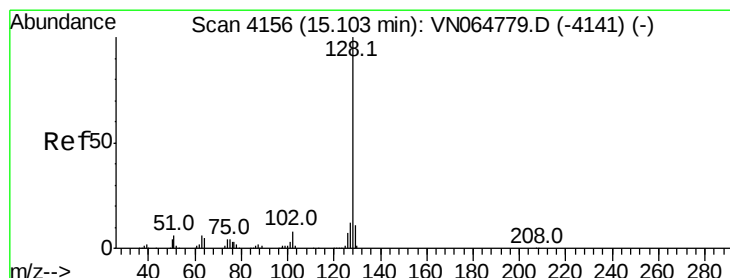
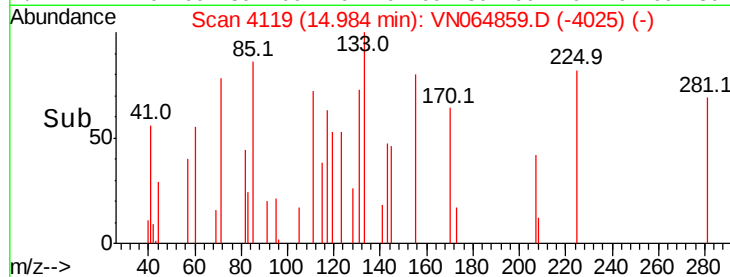
150

100

50

0

Time--> 14.96 14.98 15.00



#95

Naphthalene

Concen: 0.268 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN064859.D

Acq: 25 Nov 2020 16:30

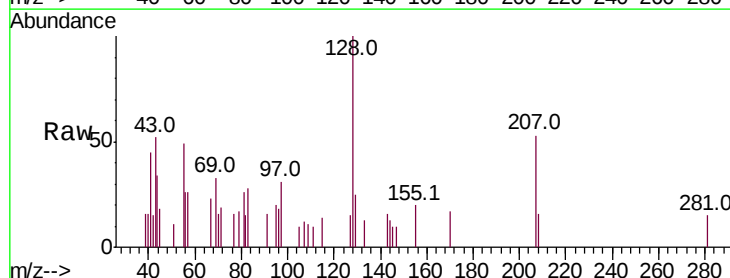
Tgt Ion:128 Resp: 2561

Ion Ratio Lower Upper

128 100

127 14.6 10.3 15.5

129 0.0 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

15.11

2000

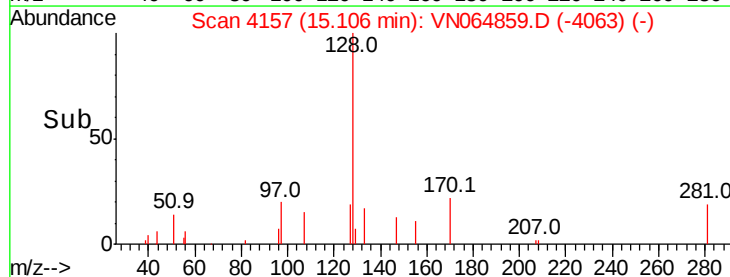
1500

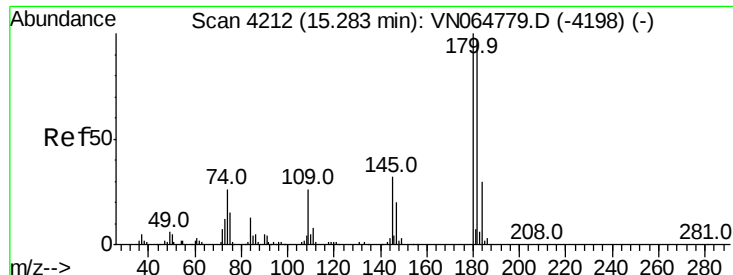
1000

500

0

Time--> 15.05 15.10 15.15





#96
 1,2,3-Trichlorobenzene
 Concen: 1.483 ug/l
 RT: 15.29 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN064859.D
 Acq: 25 Nov 2020 16:30

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Tot Ion:180 Resp: 284
 Ion Ratio Lower Upper
 180 100
 182 72.2 48.1 144.4
 145 101.4 16.4 49.1#

