

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042822\
 Data File : VN072257.D
 Acq On : 28 Apr 2022 23:01
 Operator : JC\MD
 Sample : N2617-19
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EB-2022-04-27

Quant Time: Apr 29 06:39:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 26 18:50:11 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

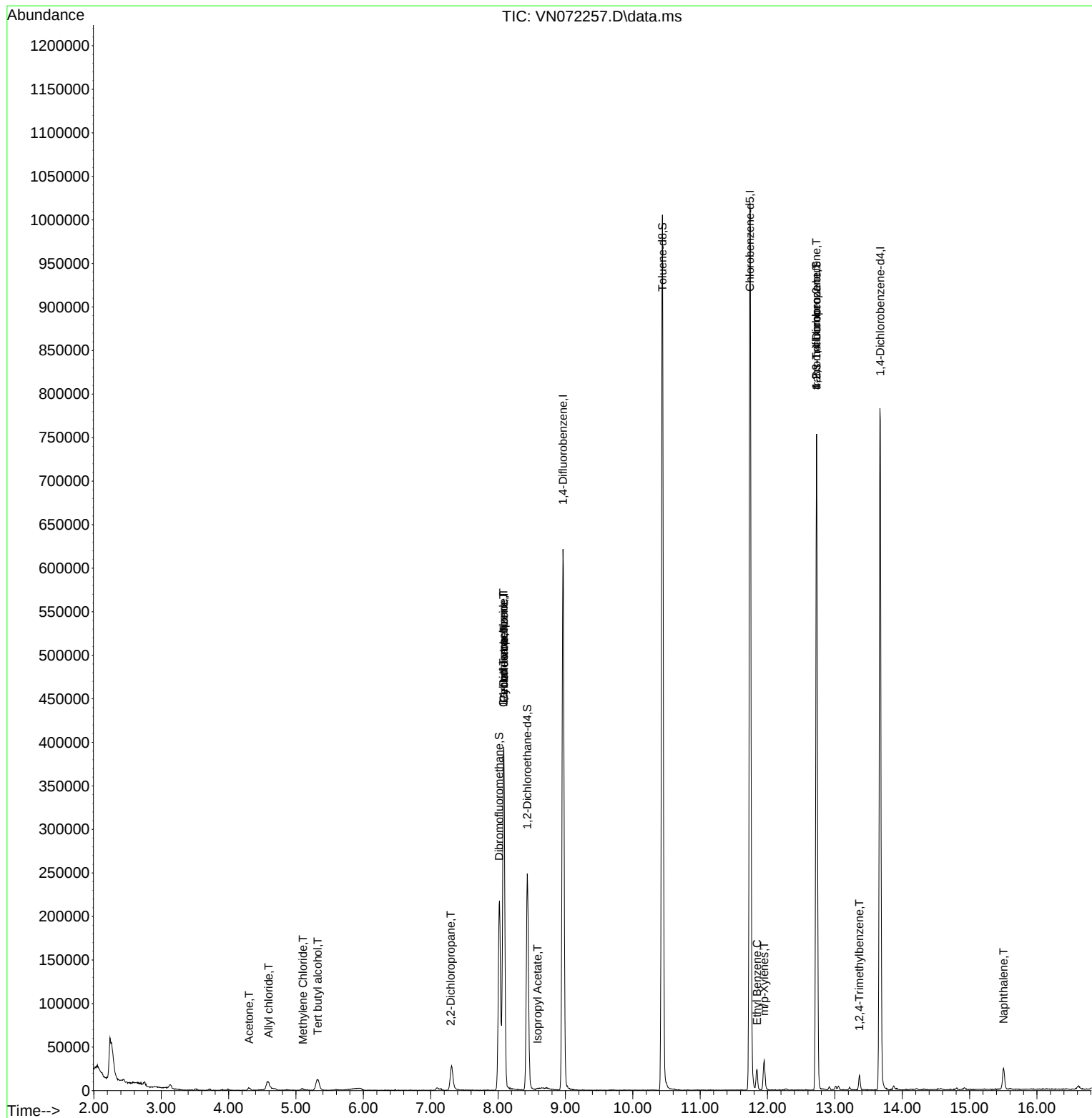
Internal Standards						
1) Pentafluorobenzene	8.086	168	288650	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	525835	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	577863	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	208048	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	216230	48.795	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.580%
35) Dibromofluoromethane	8.016	113	156819	46.594	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.180%
50) Toluene-d8	10.439	98	685349	51.823	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	103.640%
62) 4-Bromofluorobenzene	12.727	95	271827	61.925	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	123.860%
Target Compounds						
					Qvalue	
3) Chloromethane	2.298	50	1562	Below Cal	#	43
5) Bromomethane	2.875	94	151	Below Cal	#	80
6) Chloroethane	2.775	64	471	Below Cal	#	73
11) Tert butyl alcohol	5.322	59	12987	17.833	ug/l	# 72
14) Allyl chloride	4.592	41	1423	0.249	ug/l	# 49
16) Acetone	4.304	43	3208	1.679	ug/l	93
20) Methylene Chloride	5.104	84	1106	0.302	ug/l	# 74
26) 2,2-Dichloropropane	7.298	77	1195	0.232	ug/l	# 53
31) Cyclohexane	8.086	56	6918	1.168	ug/l	# 12
36) 1,1-Dichloropropene	8.080	75	24312	4.963	ug/l	# 49
38) Carbon Tetrachloride	8.080	117	31660	6.034	ug/l	# 16
43) Isopropyl Acetate	8.586	43	1476	0.943	ug/l	# 53
67) Ethyl Benzene	11.845	91	19118	0.939	ug/l	98
68) m/p-Xylenes	11.951	106	11430	1.512	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.733	83	119	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	147528	31.552	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.727	75	147528	81.991	ug/l	# 10
84) 1,2,4-Trimethylbenzene	13.362	105	11127	0.752	ug/l	91
95) Naphthalene	15.504	128	27555	6.637	ug/l	98

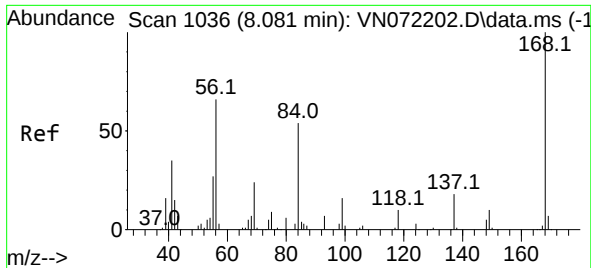
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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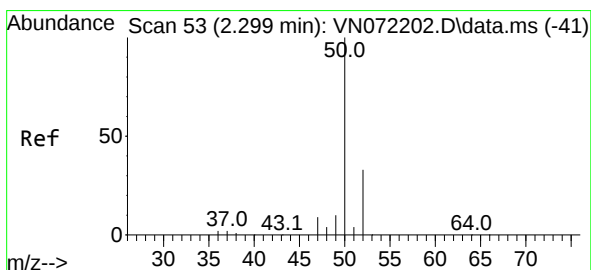
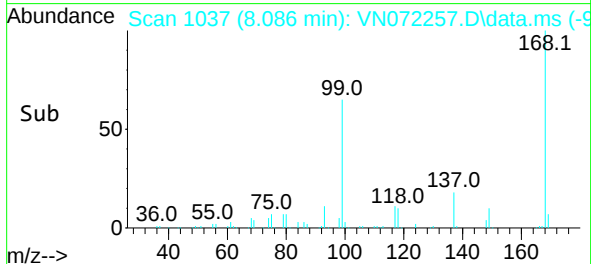
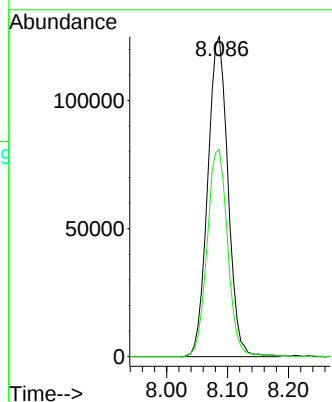
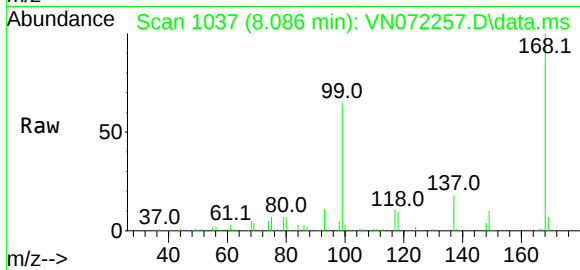




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. 0.005 min
Lab File: VN072257.D
Acq: 28 Apr 2022 23:01

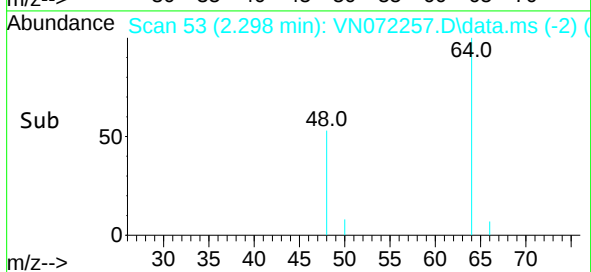
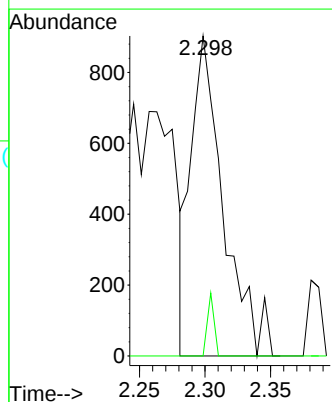
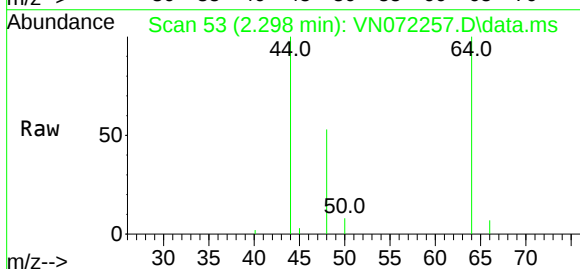
Instrument :
MSVOA_N
ClientSampleId :
EB-2022-04-27

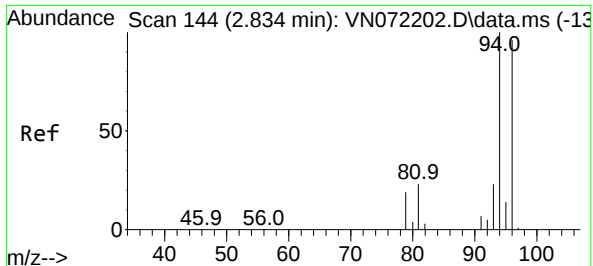
Tgt Ion:168 Resp: 288650
Ion Ratio Lower Upper
168 100
99 64.7 42.3 63.5#



#3
Chloromethane
Concen: Below Cal
RT: 2.298 min Scan# 53
Delta R.T. -0.001 min
Lab File: VN072257.D
Acq: 28 Apr 2022 23:01

Tgt Ion: 50 Resp: 1562
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#





#5

Bromomethane

Concen: Below Cal

RT: 2.875 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN072257.D

Acq: 28 Apr 2022 23:01

Instrument :

MSVOA_N

ClientSampleId :

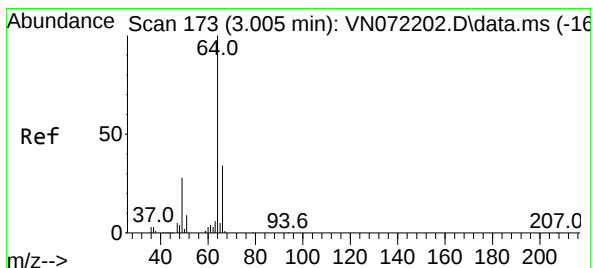
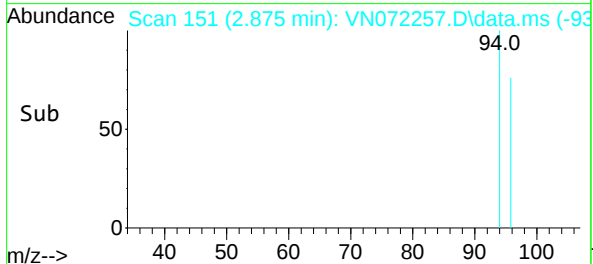
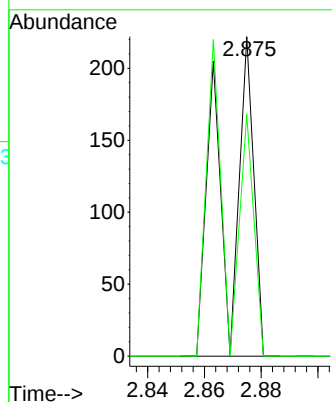
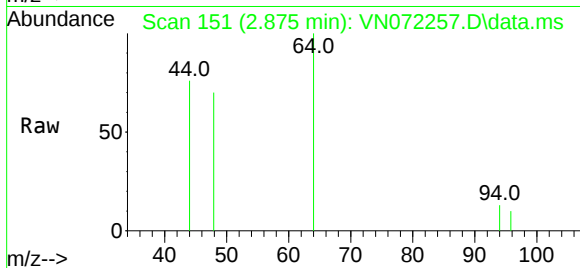
EB-2022-04-27

Tgt Ion: 94 Resp: 151

Ion Ratio Lower Upper

94 100

96 75.7 76.0 114.0#



#6

Chloroethane

Concen: Below Cal

RT: 2.775 min Scan# 134

Delta R.T. -0.230 min

Lab File: VN072257.D

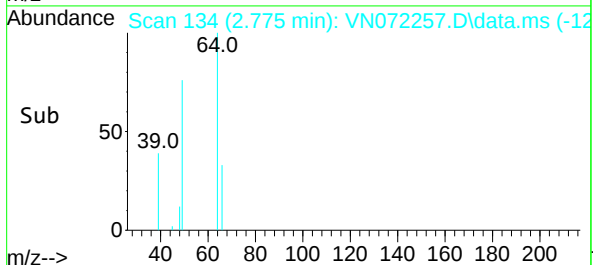
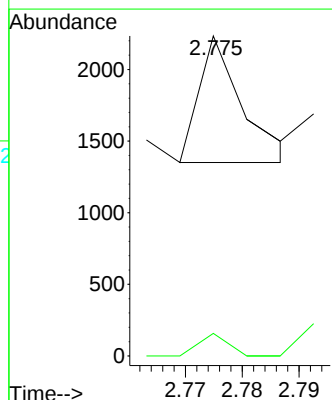
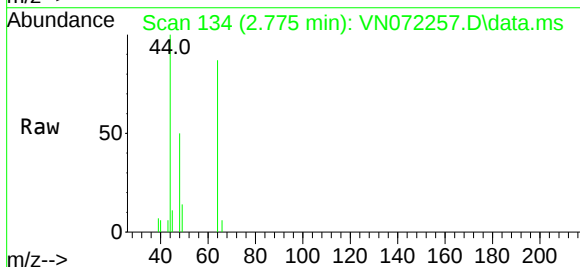
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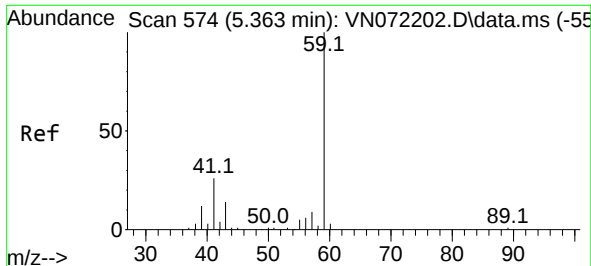
Tgt Ion: 64 Resp: 471

Ion Ratio Lower Upper

64 100

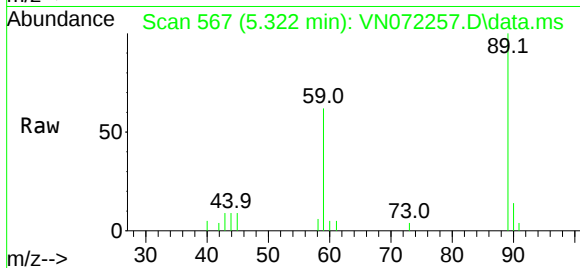
66 17.8 26.2 39.4#



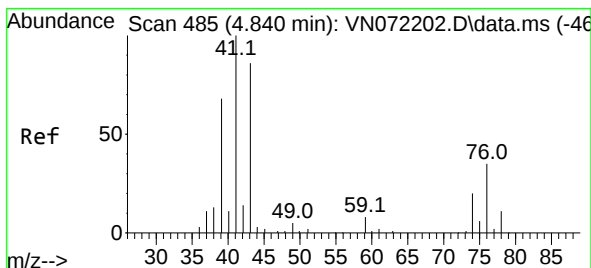
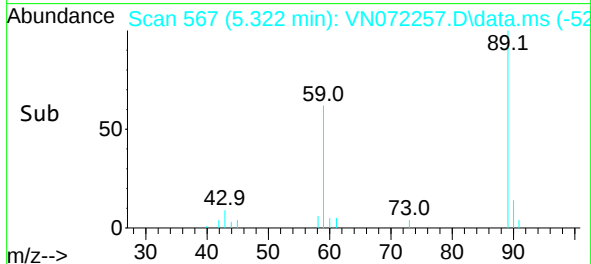
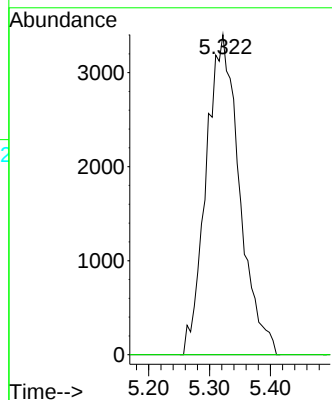


#11
Tert butyl alcohol
Concen: 17.833 ug/l
RT: 5.322 min Scan# 50
Delta R.T. -0.041 min
Lab File: VN072257.D
Acq: 28 Apr 2022 23:01

Instrument :
MSVOA_N
ClientSampleId :
EB-2022-04-27

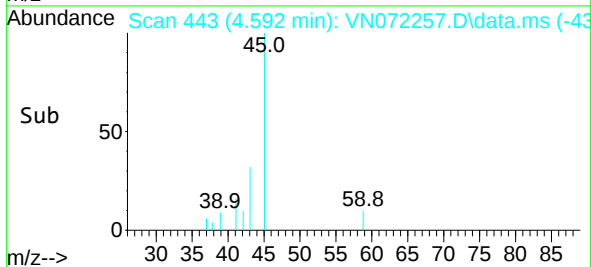
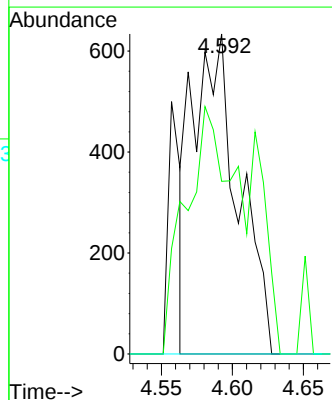
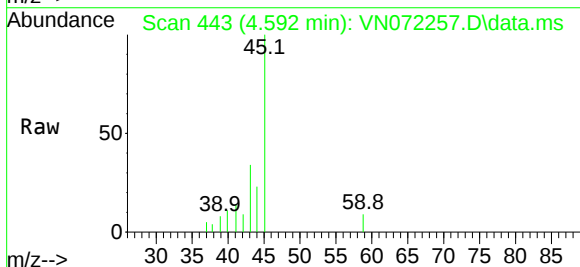


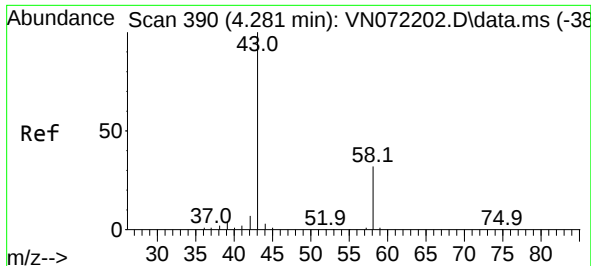
Tgt Ion: 59 Resp: 12987
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#14
Allyl chloride
Concen: 0.249 ug/l
RT: 4.592 min Scan# 443
Delta R.T. -0.248 min
Lab File: VN072257.D
Acq: 28 Apr 2022 23:01

Tgt Ion: 41 Resp: 1423
Ion Ratio Lower Upper
41 100
39 31.1 53.2 79.8#
76 0.0 29.9 44.9#

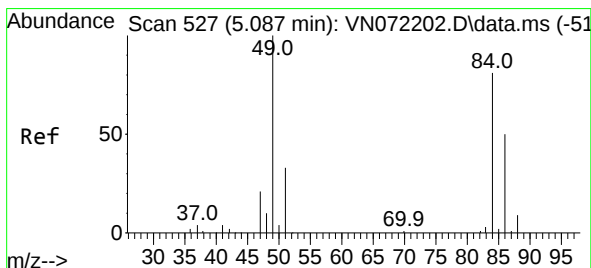
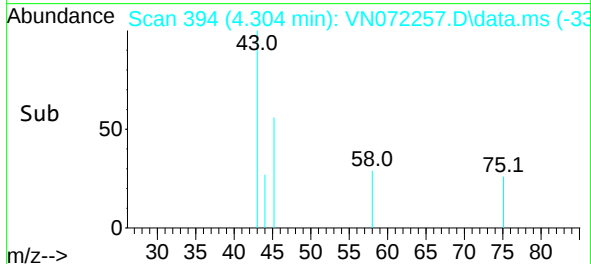
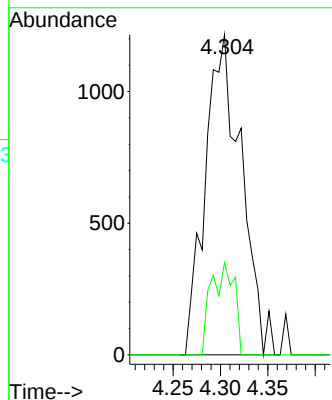
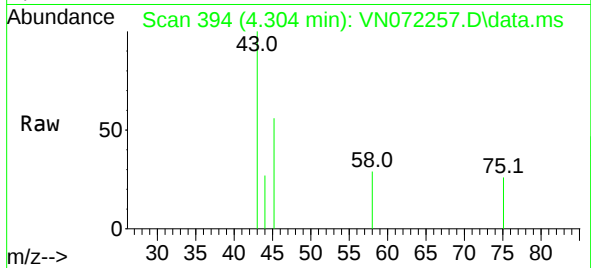




#16
Acetone
Concen: 1.679 ug/l
RT: 4.304 min Scan# 394
Delta R.T. 0.023 min
Lab File: VN072257.D
Acq: 28 Apr 2022 23:01

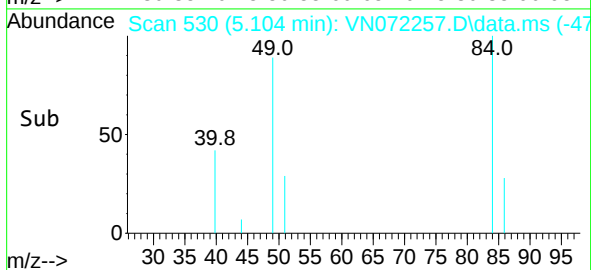
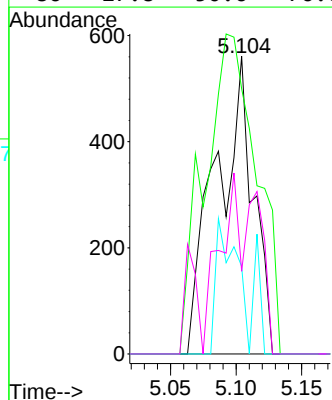
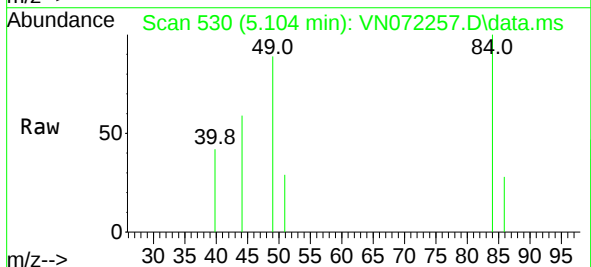
Instrument :
MSVOA_N
ClientSampleId :
EB-2022-04-27

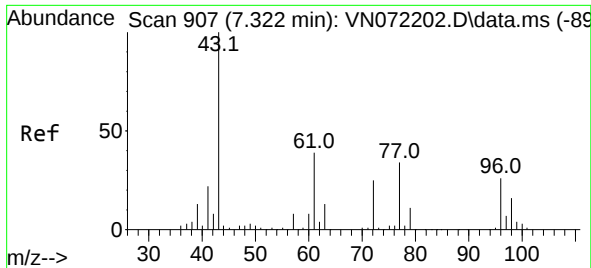
Tgt Ion: 43 Resp: 3208
Ion Ratio Lower Upper
43 100
58 28.8 26.0 39.0



#20
Methylene Chloride
Concen: 0.302 ug/l
RT: 5.104 min Scan# 530
Delta R.T. 0.017 min
Lab File: VN072257.D
Acq: 28 Apr 2022 23:01

Tgt Ion: 84 Resp: 1106
Ion Ratio Lower Upper
84 100
49 89.1 88.3 132.5
51 29.4 28.2 42.2
86 27.8 50.6 76.0#

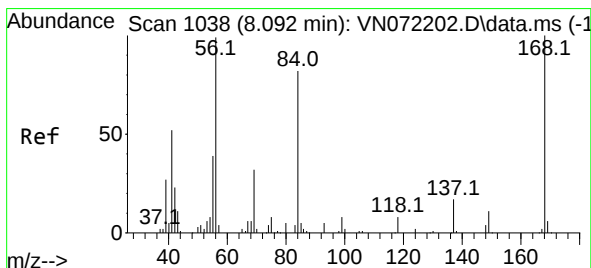
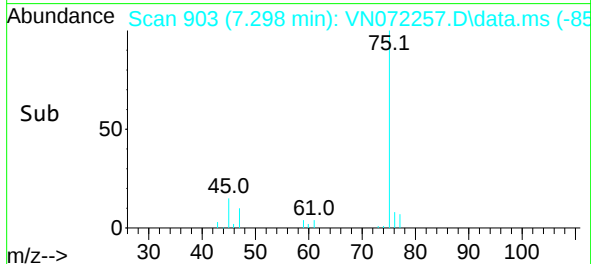
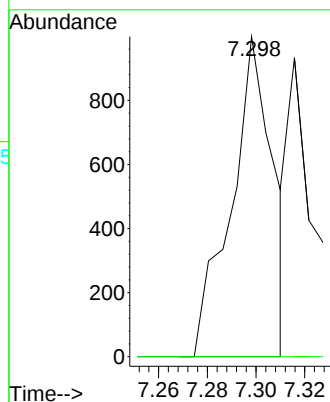
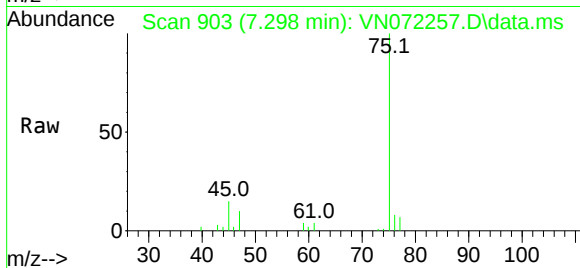




#26
2,2-Dichloropropane
Concen: 0.232 ug/l
RT: 7.298 min Scan# 907
Delta R.T. -0.024 min
Lab File: VN072257.D
Acq: 28 Apr 2022 23:01

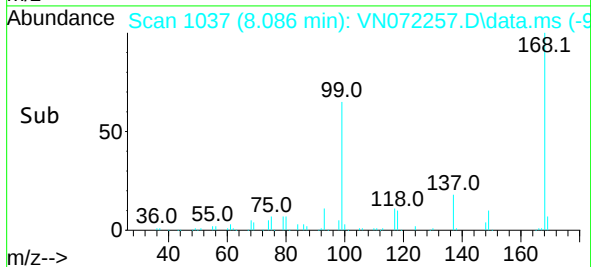
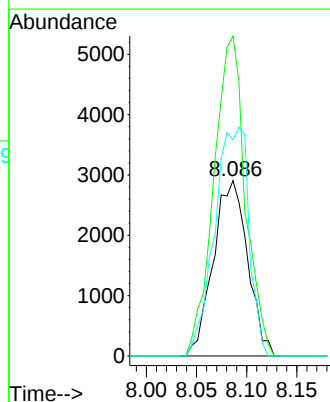
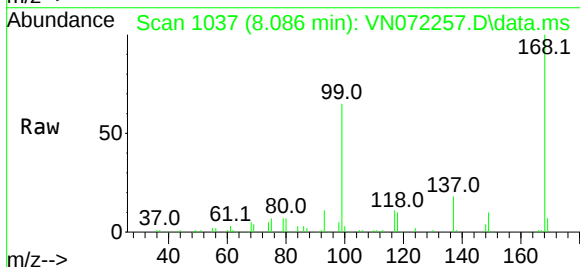
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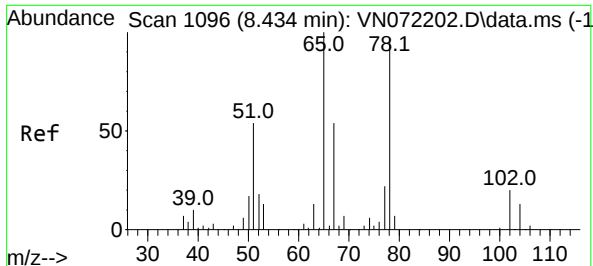
Tgt Ion: 77 Resp: 1195
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#31
Cyclohexane
Concen: 1.168 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VN072257.D
Acq: 28 Apr 2022 23:01

Tgt Ion: 56 Resp: 6918
Ion Ratio Lower Upper
56 100
69 182.5 27.8 41.8#
84 123.3 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 48.795 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.001 min

Lab File: VN072257.D

Acq: 28 Apr 2022 23:01

Instrument :

MSVOA_N

ClientSampleId :

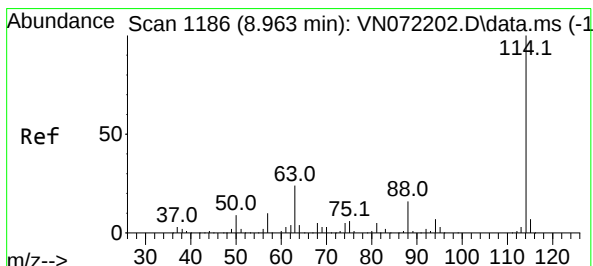
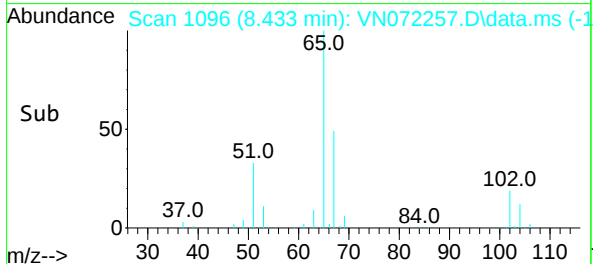
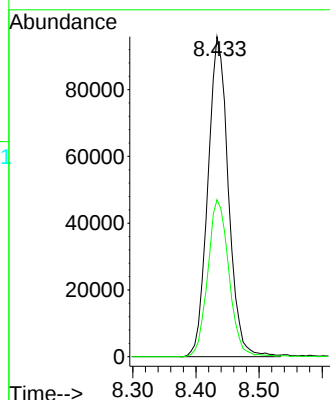
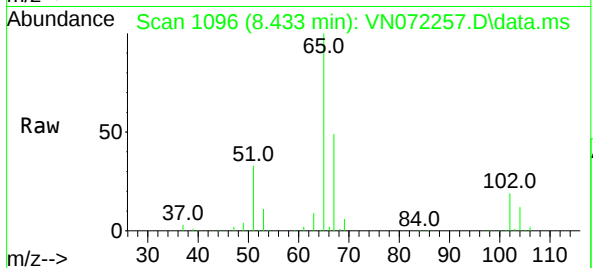
EB-2022-04-27

Tgt Ion: 65 Resp: 216230

Ion Ratio Lower Upper

65 100

67 50.5 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN072257.D

Acq: 28 Apr 2022 23:01

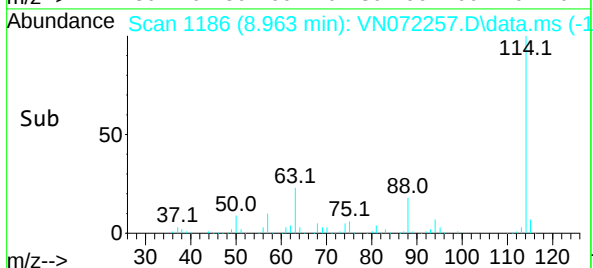
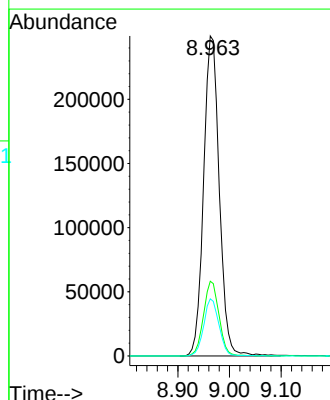
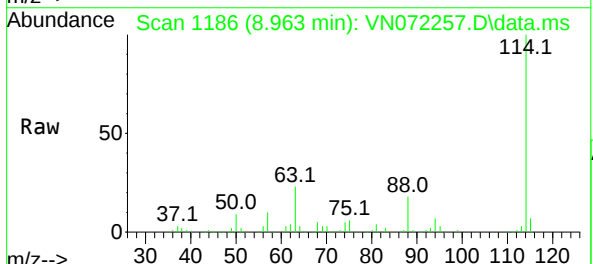
Tgt Ion: 114 Resp: 525835

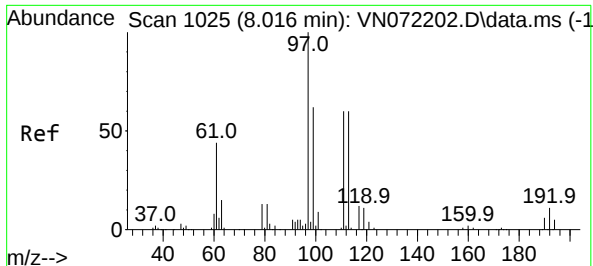
Ion Ratio Lower Upper

114 100

63 23.3 0.0 40.0

88 17.9 0.0 32.6





#35

Dibromofluoromethane

Concen: 46.594 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN072257.D

Acq: 28 Apr 2022 23:01

Instrument :

MSVOA_N

ClientSampleId :

EB-2022-04-27

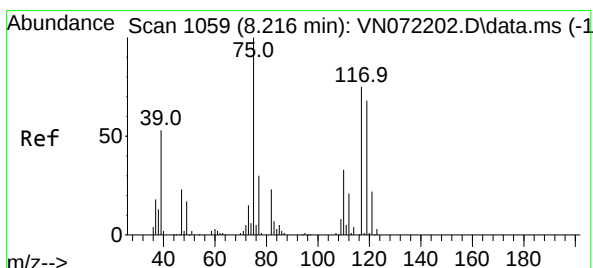
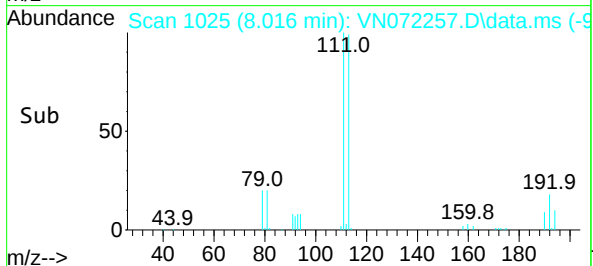
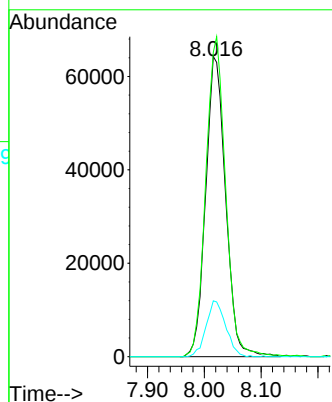
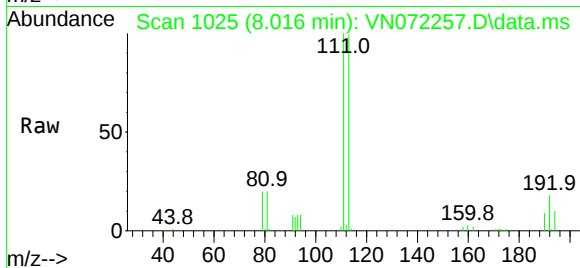
Tgt Ion:113 Resp: 156819

Ion Ratio Lower Upper

113 100

111 105.8 81.4 122.0

192 18.3 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.963 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.136 min

Lab File: VN072257.D

Acq: 28 Apr 2022 23:01

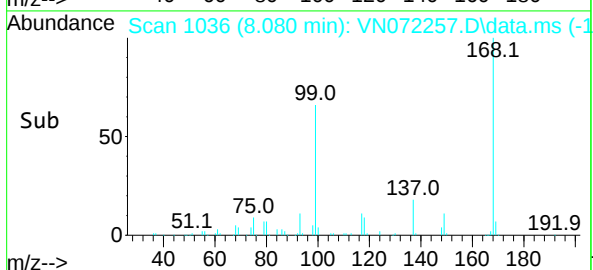
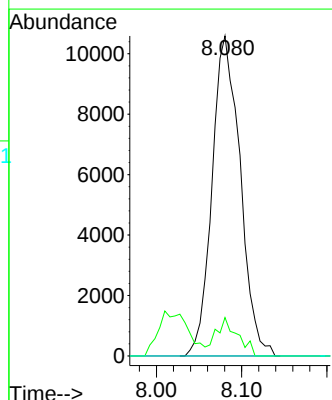
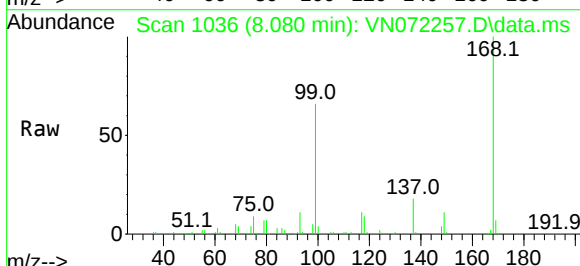
Tgt Ion: 75 Resp: 24312

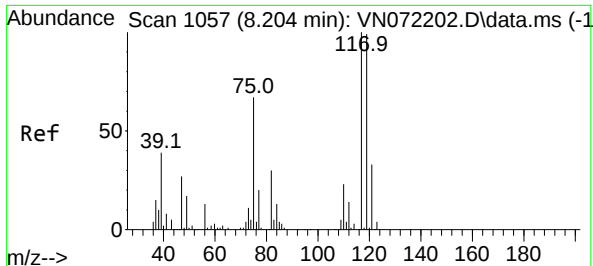
Ion Ratio Lower Upper

75 100

110 9.2 18.3 54.8#

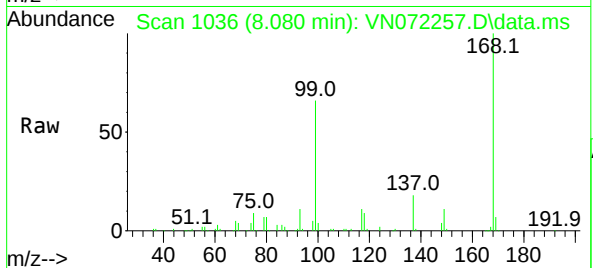
77 0.0 25.1 37.7#



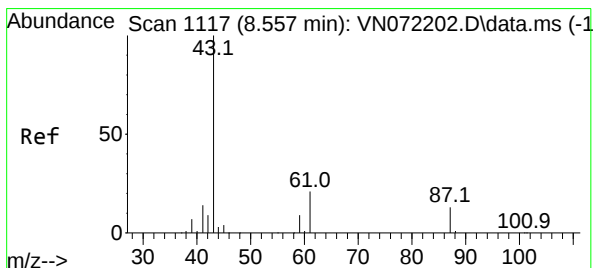
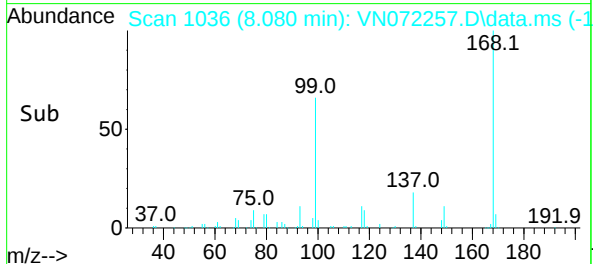
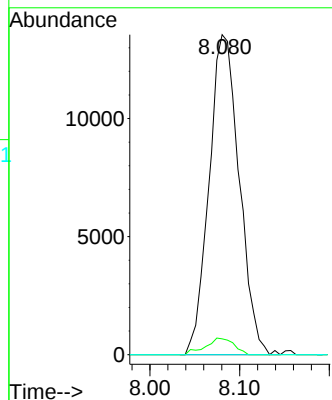


#38
Carbon Tetrachloride
Concen: 6.034 ug/l
RT: 8.080 min Scan# 110
Delta R.T. -0.124 min
Lab File: VN072257.D
Acq: 28 Apr 2022 23:01

Instrument :
MSVOA_N
ClientSampleId :
EB-2022-04-27

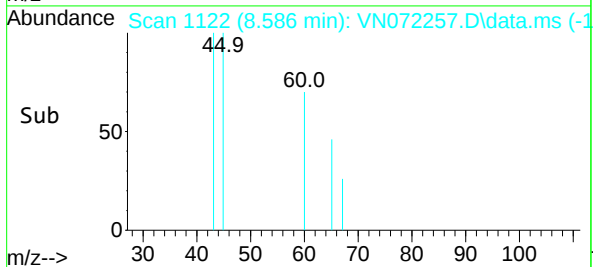
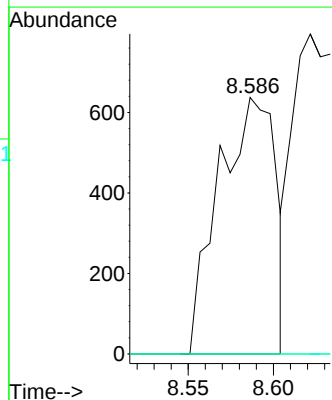
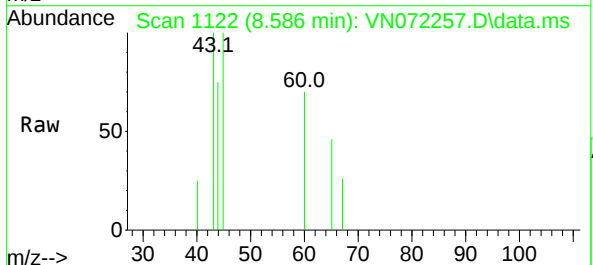


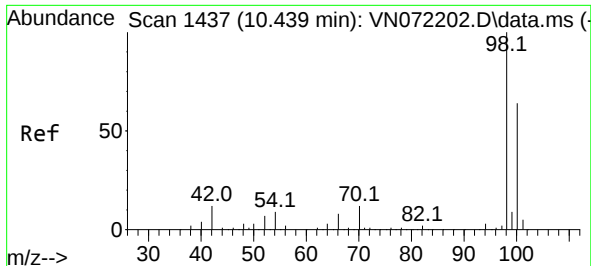
Tgt Ion: 117 Resp: 31660
Ion Ratio Lower Upper
117 100
119 5.0 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 0.943 ug/l
RT: 8.586 min Scan# 1122
Delta R.T. 0.029 min
Lab File: VN072257.D
Acq: 28 Apr 2022 23:01

Tgt Ion: 43 Resp: 1476
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#

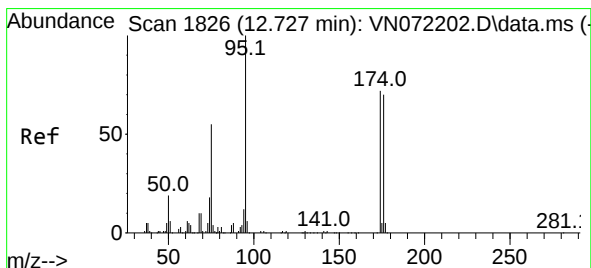
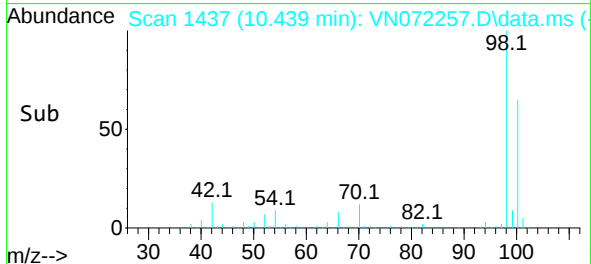
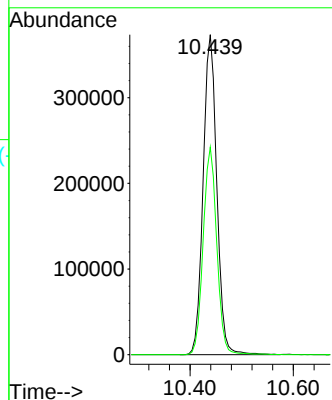
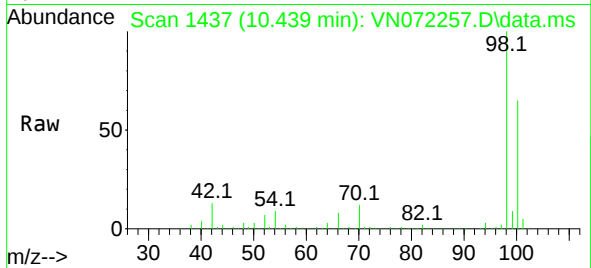




#50
Toluene-d8
Concen: 51.823 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072257.D
Acq: 28 Apr 2022 23:01

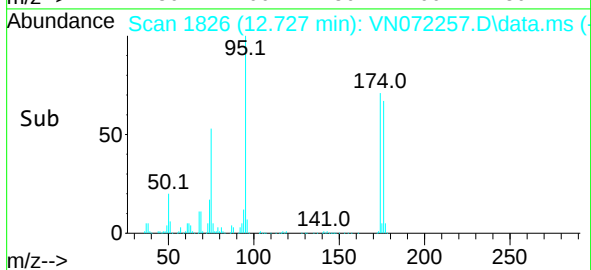
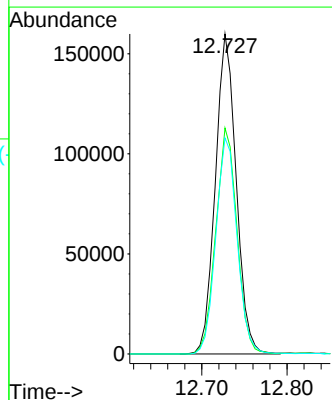
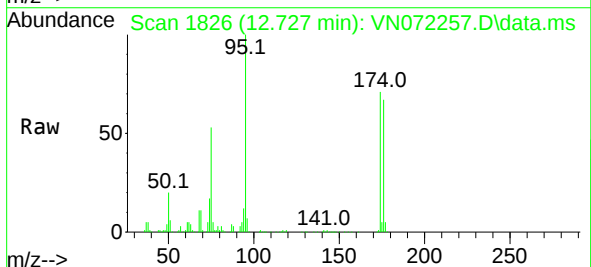
Instrument :
MSVOA_N
ClientSampleId :
EB-2022-04-27

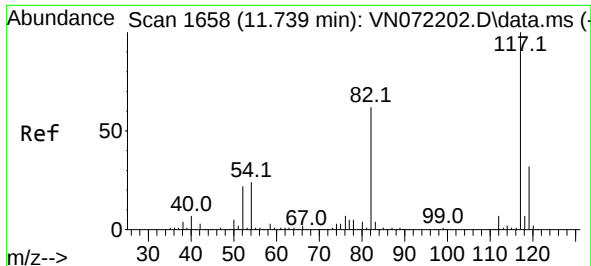
Tgt Ion: 98 Resp: 685349
Ion Ratio Lower Upper
98 100
100 64.6 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 61.925 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072257.D
Acq: 28 Apr 2022 23:01

Tgt Ion: 95 Resp: 271827
Ion Ratio Lower Upper
95 100
174 71.6 0.0 167.6
176 68.8 0.0 163.4

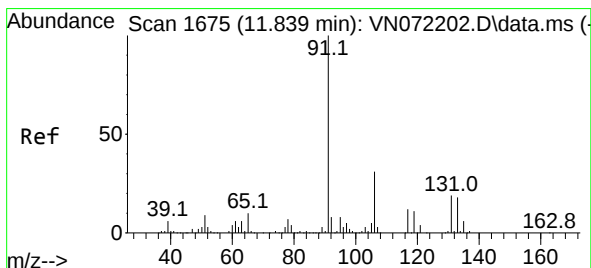
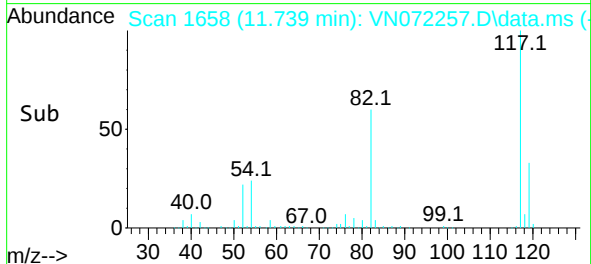
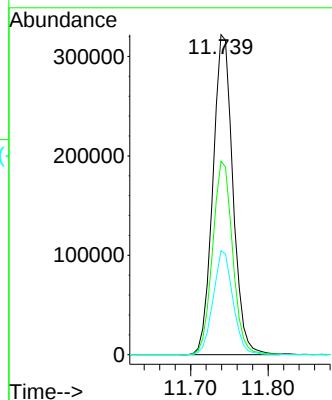
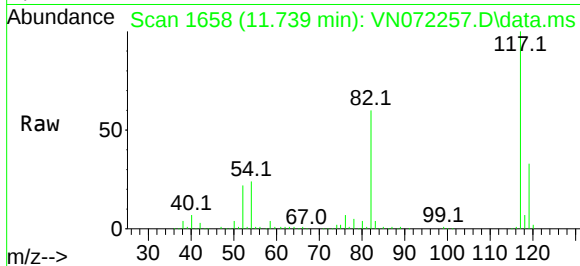




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072257.D
Acq: 28 Apr 2022 23:01

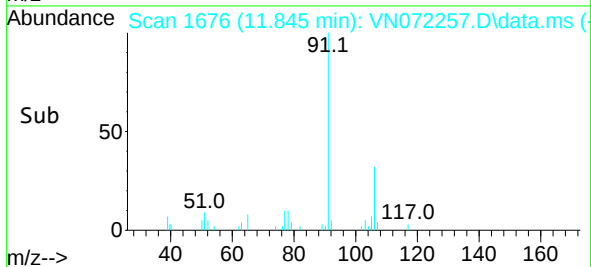
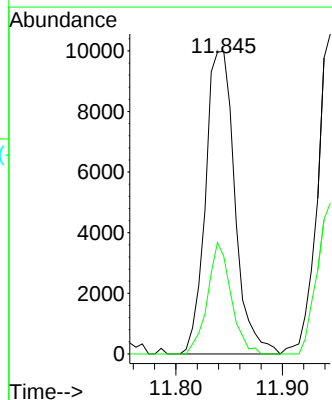
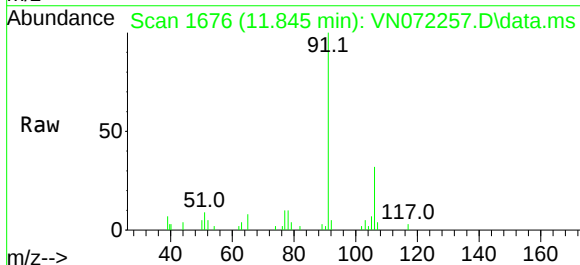
Instrument :
MSVOA_N
ClientSampleId :
EB-2022-04-27

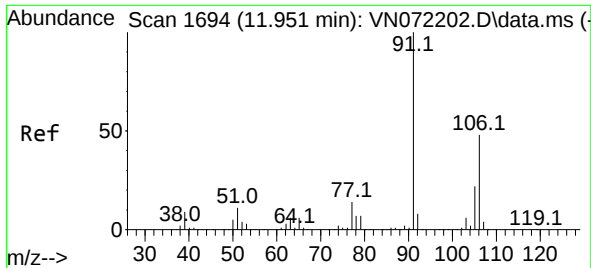
Tgt Ion:117 Resp: 577863
Ion Ratio Lower Upper
117 100
82 60.4 44.2 66.2
119 32.5 25.4 38.0



#67
Ethyl Benzene
Concen: 0.939 ug/l
RT: 11.845 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VN072257.D
Acq: 28 Apr 2022 23:01

Tgt Ion: 91 Resp: 19118
Ion Ratio Lower Upper
91 100
106 32.3 24.9 37.3

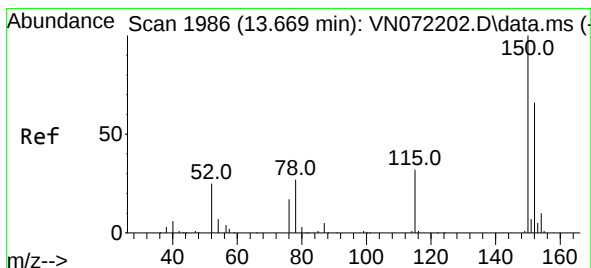
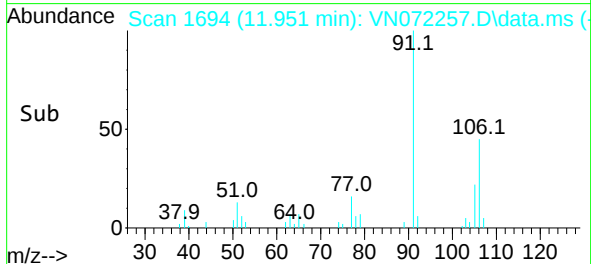
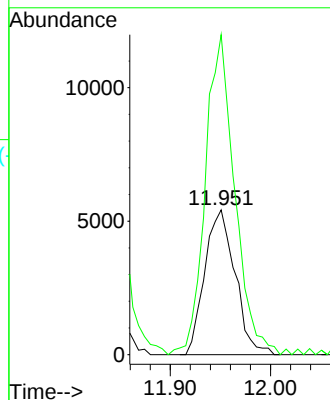
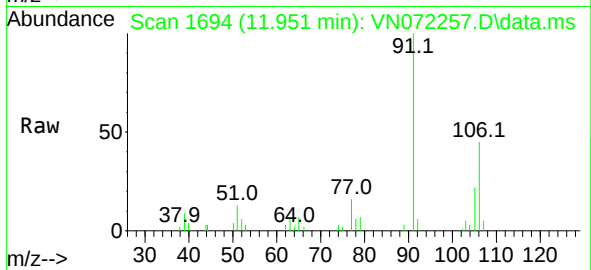




#68
m/p-Xylenes
Concen: 1.512 ug/l
RT: 11.951 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN072257.D
Acq: 28 Apr 2022 23:01

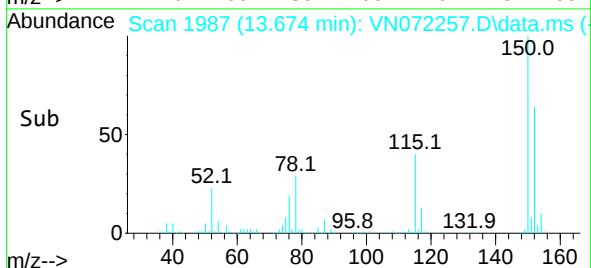
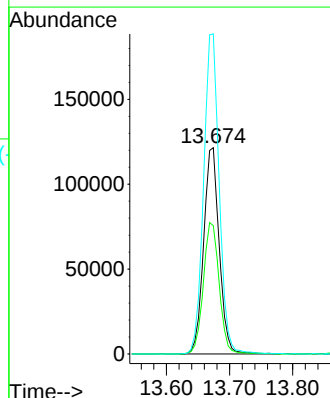
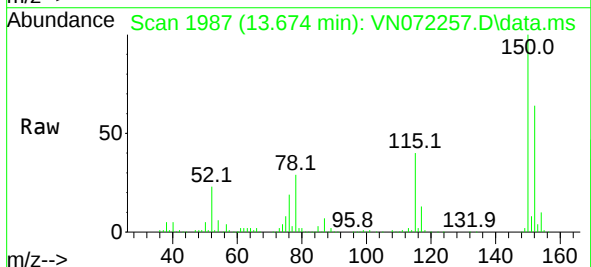
Instrument :
MSVOA_N
ClientSampleId :
EB-2022-04-27

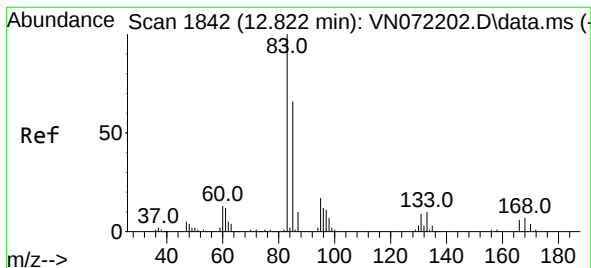
Tgt Ion:106 Resp: 11430
Ion Ratio Lower Upper
106 100
91 214.4 158.9 238.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.005 min
Lab File: VN072257.D
Acq: 28 Apr 2022 23:01

Tgt Ion:152 Resp: 208048
Ion Ratio Lower Upper
152 100
115 64.8 28.9 86.7
150 155.4 0.0 356.2





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.733 min Scan# 1827

Delta R.T. -0.089 min

Lab File: VN072257.D

Acq: 28 Apr 2022 23:01

Instrument :

MSVOA_N

ClientSampleId :

EB-2022-04-27

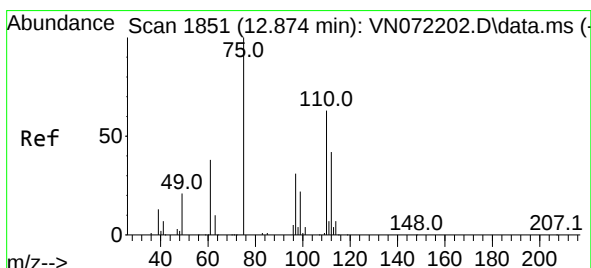
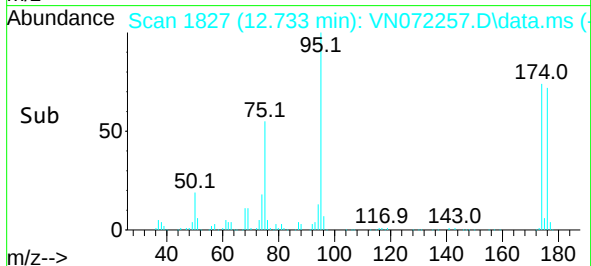
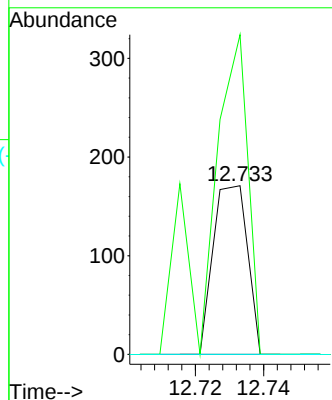
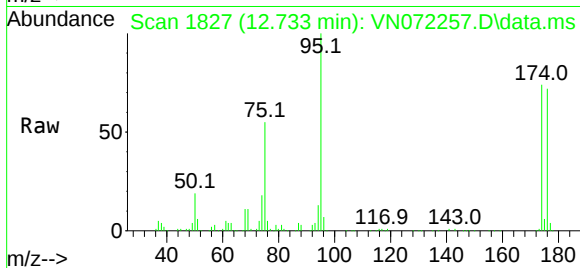
Tgt Ion: 83 Resp: 119

Ion Ratio Lower Upper

83 100

131 217.6 5.3 15.9#

85 0.0 32.3 96.9#



#76

1,2,3-Trichloropropane

Concen: 31.552 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. -0.147 min

Lab File: VN072257.D

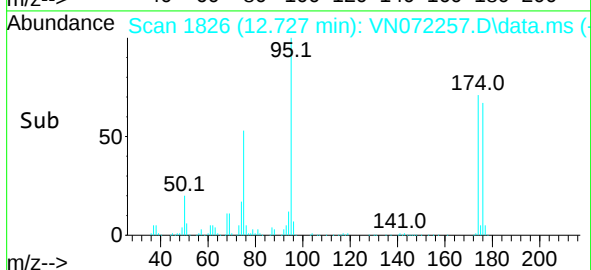
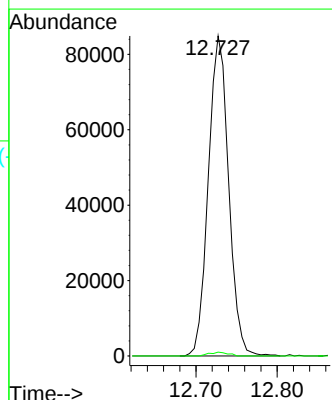
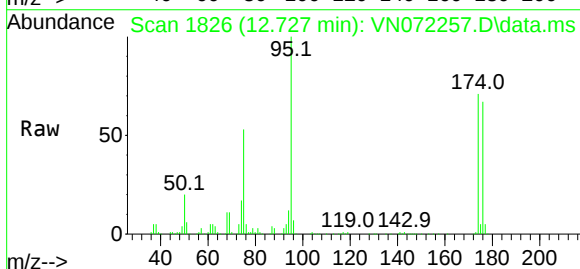
Acq: 28 Apr 2022 23:01

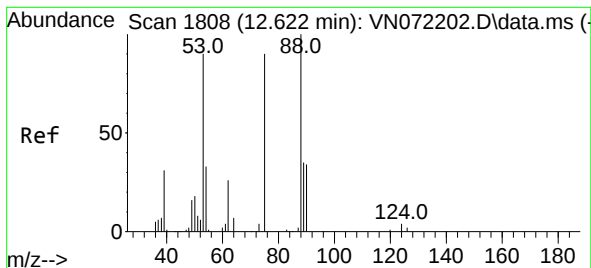
Tgt Ion: 75 Resp: 147528

Ion Ratio Lower Upper

75 100

77 1.1 98.5 295.5#

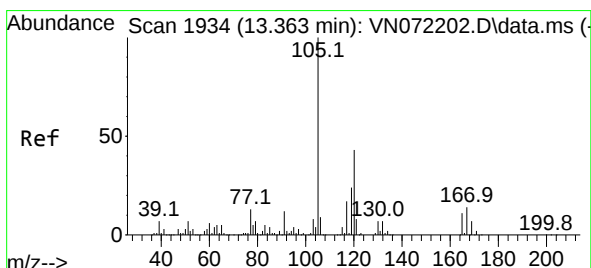
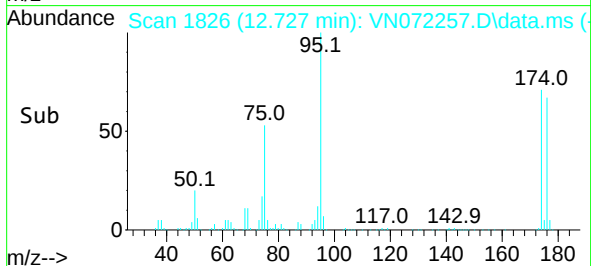
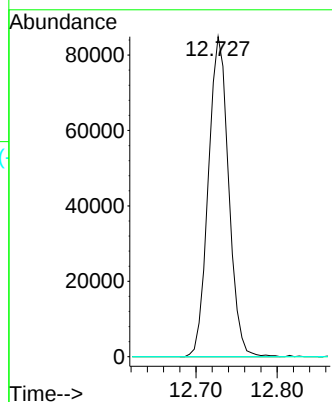
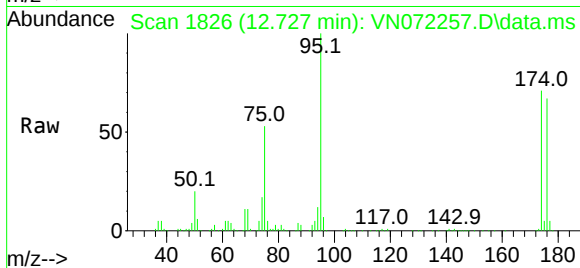




#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.991 ug/l
 RT: 12.727 min Scan# 1808
 Delta R.T. 0.105 min
 Lab File: VN072257.D
 Acq: 28 Apr 2022 23:01

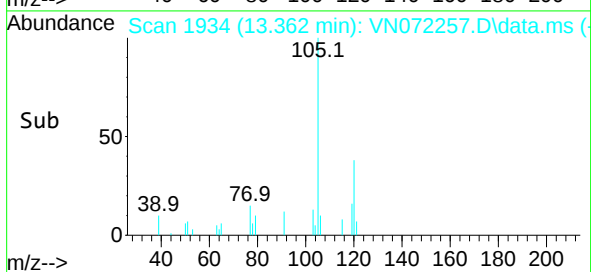
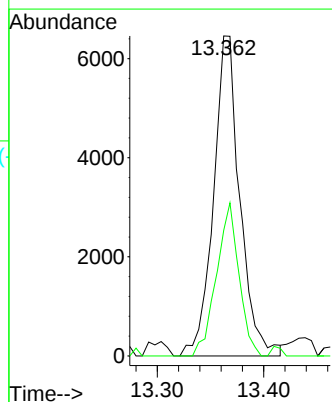
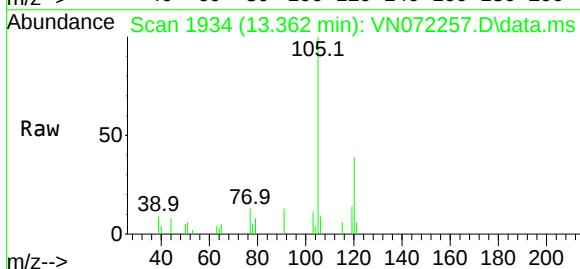
Instrument :
 MSVOA_N
 ClientSampleId :
 EB-2022-04-27

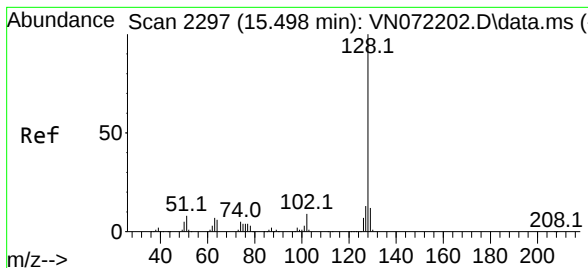
Tgt Ion: 75 Resp: 147528
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.752 ug/l
 RT: 13.362 min Scan# 1934
 Delta R.T. -0.001 min
 Lab File: VN072257.D
 Acq: 28 Apr 2022 23:01

Tgt Ion: 105 Resp: 11127
 Ion Ratio Lower Upper
 105 100
 120 40.6 23.3 69.8





#95

Naphthalene

Concen: 6.637 ug/l

RT: 15.504 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN072257.D

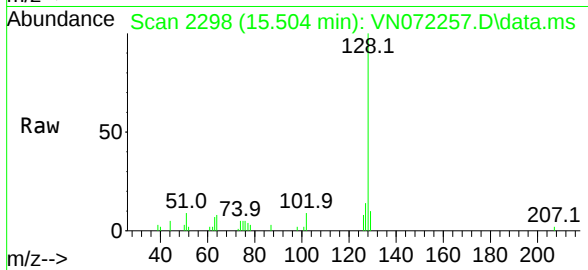
Acq: 28 Apr 2022 23:01

Instrument :

MSVOA_N

ClientSampleId :

EB-2022-04-27



Tgt Ion:128 Resp: 27555

Ion Ratio Lower Upper

128 100

127 14.1 10.3 15.5

129 10.4 8.6 13.0

