

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062022\
 Data File : VN072963.D
 Acq On : 20 Jun 2022 15:52
 Operator : JC\MD
 Sample : N3357-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EB-2022-06-14

Quant Time: Jun 21 05:55:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 18 06:22:45 2022
 Response via : Initial Calibration

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

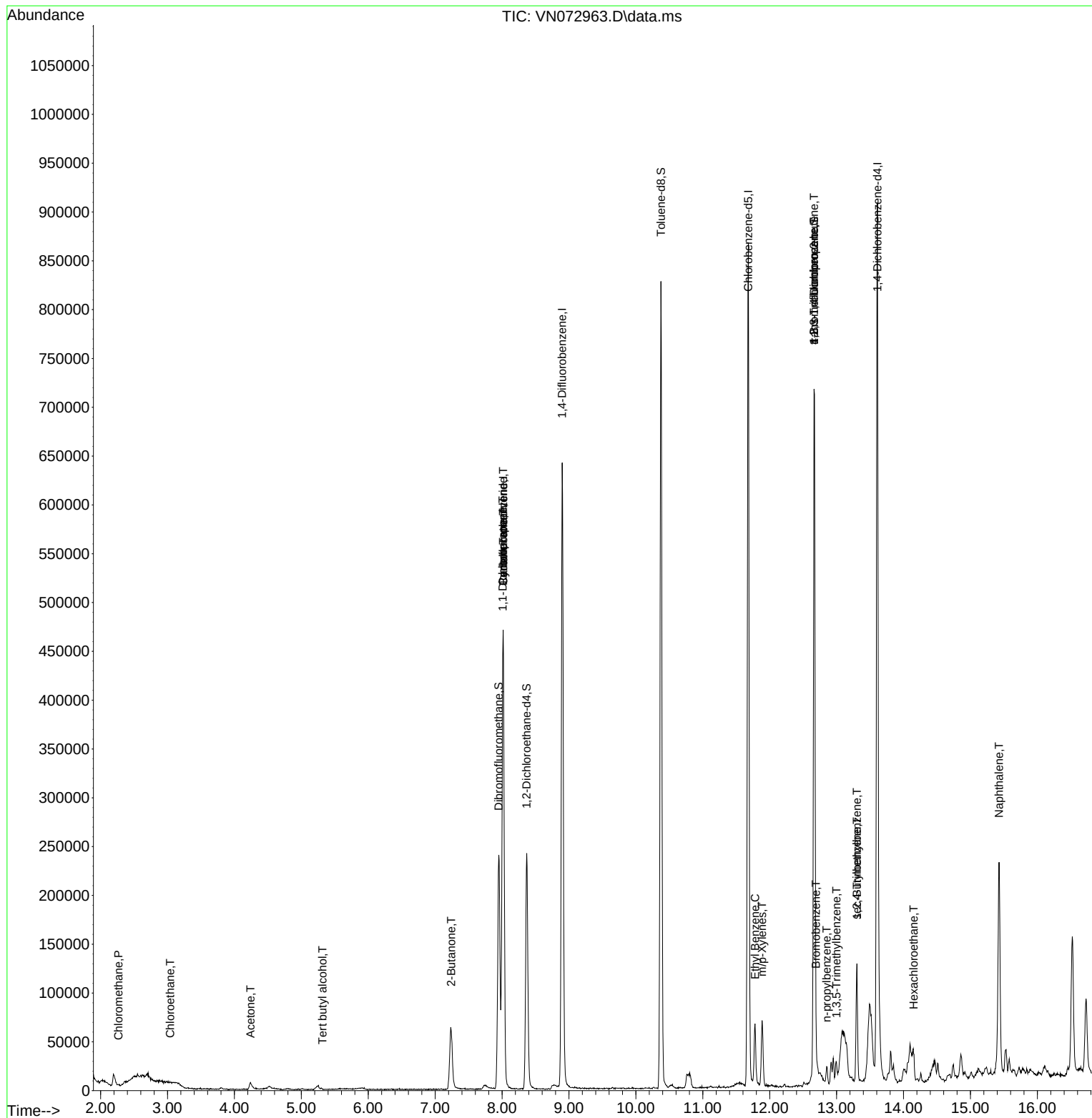
Internal Standards						
1) Pentafluorobenzene	8.016	168	362966	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	565043	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	498833	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.609	152	245990	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	208066	42.400	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	84.800%
35) Dibromofluoromethane	7.951	113	179041	51.265	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.520%
50) Toluene-d8	10.374	98	575882	44.314	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	88.620%
62) 4-Bromofluorobenzene	12.662	95	248133	53.099	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	106.200%
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	405	0.677	ug/l #	71
6) Chloroethane	3.039	64	465	0.240	ug/l	89
11) Tert butyl alcohol	5.316	59	556	0.439	ug/l #	72
16) Acetone	4.239	43	13324	4.939	ug/l	93
20) Methylene Chloride	5.022	84	328	Below Cal	#	67
25) 2-Butanone	7.239	43	3982	0.930	ug/l #	45
31) Cyclohexane	8.016	56	7665	1.155	ug/l #	3
36) 1,1-Dichloropropene	8.010	75	28290	5.986	ug/l #	49
38) Carbon Tetrachloride	8.016	117	37846	7.614	ug/l #	15
67) Ethyl Benzene	11.780	91	42850	2.499	ug/l	98
68) m/p-Xylenes	11.886	106	22021	3.274	ug/l	99
76) 1,2,3-Trichloropropane	12.662	75	129217	21.666	ug/l #	1
77) Bromobenzene	12.692	156	7487	1.642	ug/l #	1
78) n-propylbenzene	12.851	91	15086	0.721	ug/l	93
80) 1,3,5-Trimethylbenzene	12.998	105	9045	0.579	ug/l	87
81) trans-1,4-Dichloro-2-b...	12.662	75	129217	58.512	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.304	105	66630	4.279	ug/l	96
85) sec-Butylbenzene	13.304	105	66630	3.489	ug/l #	56
90) Hexachloroethane	14.151	117	1592	0.546	ug/l #	9
95) Naphthalene	15.427	128	227814	11.988	ug/l	98

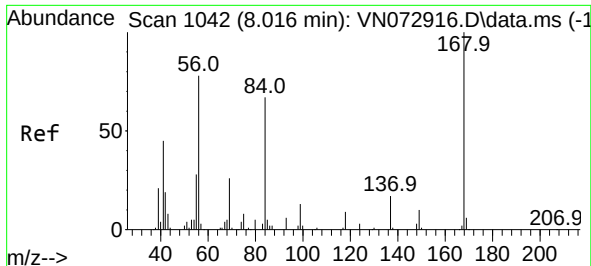
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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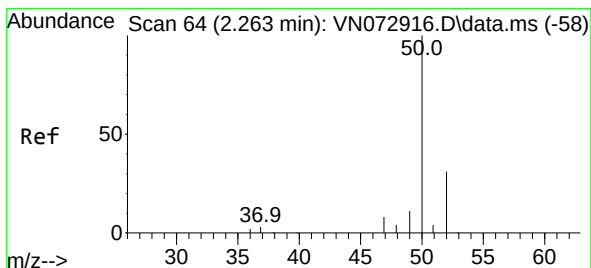
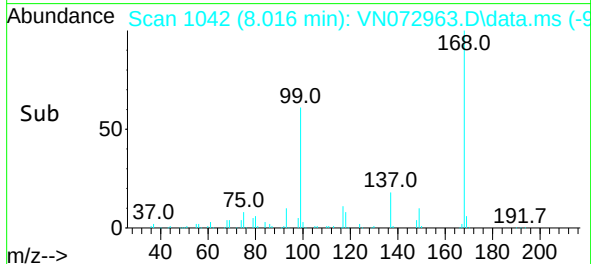
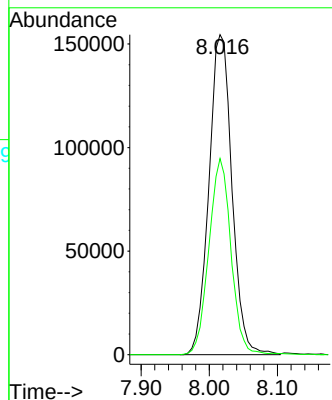
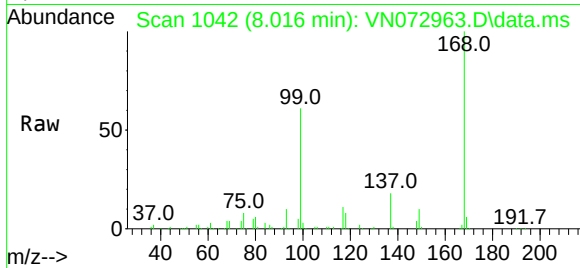




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN072963.D
Acq: 20 Jun 2022 15:52

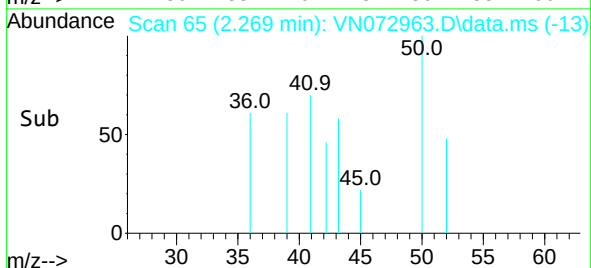
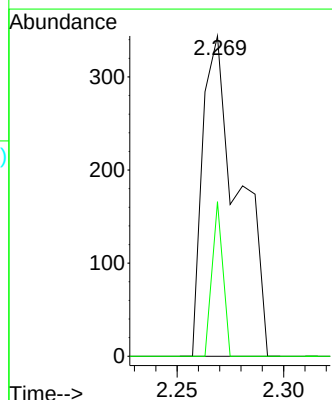
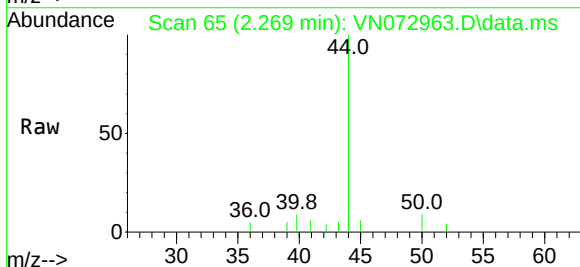
Instrument :
MSVOA_N
ClientSampleId :
EB-2022-06-14

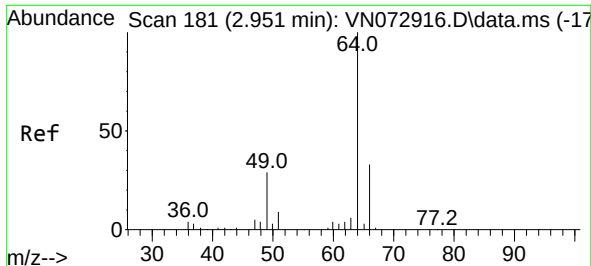
Tgt Ion:168 Resp: 362966
Ion Ratio Lower Upper
168 100
99 61.3 42.3 63.5



#3
Chloromethane
Concen: 0.677 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN072963.D
Acq: 20 Jun 2022 15:52

Tgt Ion: 50 Resp: 405
Ion Ratio Lower Upper
50 100
52 48.3 25.7 38.5#

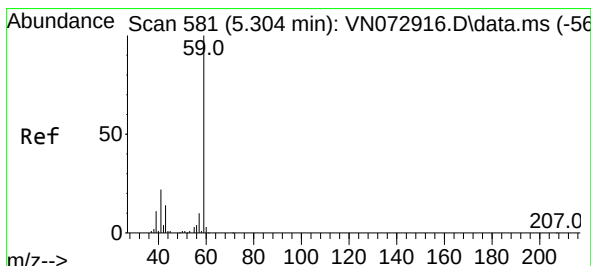
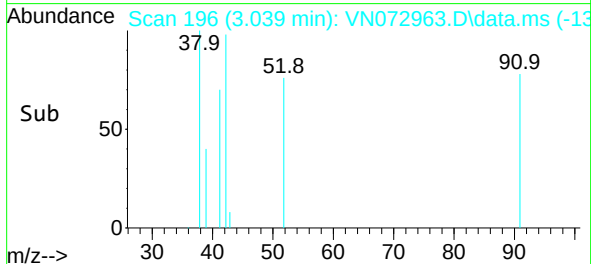
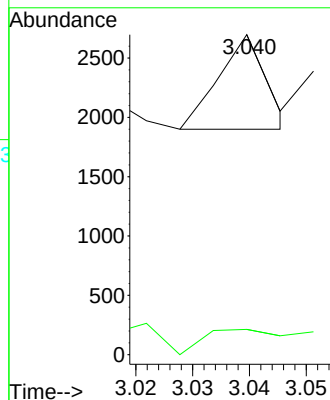
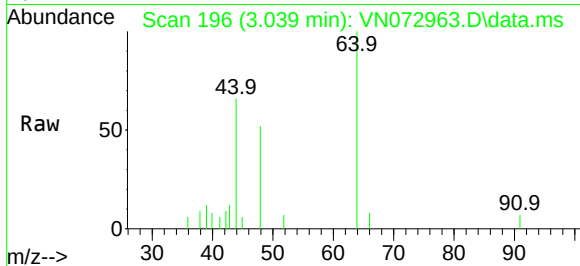




#6
Chloroethane
Concen: 0.240 ug/l
RT: 3.039 min Scan# 196
Delta R.T. 0.088 min
Lab File: VN072963.D
Acq: 20 Jun 2022 15:52

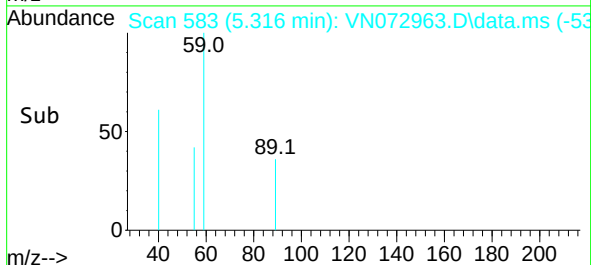
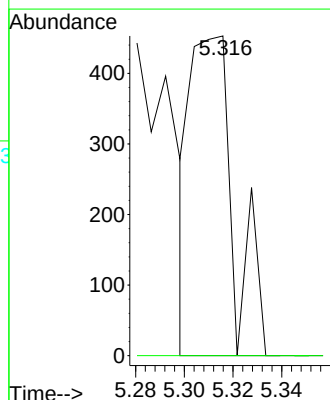
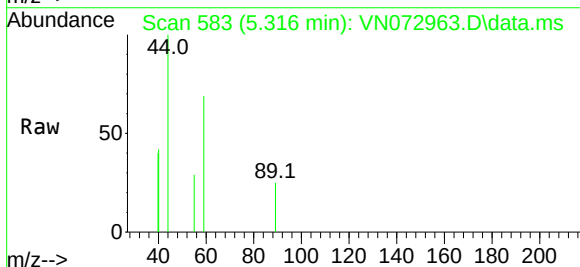
Instrument :
MSVOA_N
ClientSampleId :
EB-2022-06-14

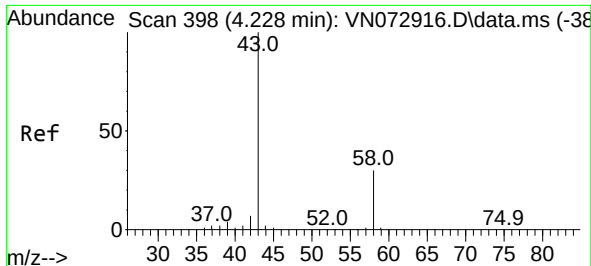
Tgt Ion: 64 Resp: 465
Ion Ratio Lower Upper
64 100
66 26.7 26.2 39.4



#11
Tert butyl alcohol
Concen: 0.439 ug/l
RT: 5.316 min Scan# 583
Delta R.T. 0.012 min
Lab File: VN072963.D
Acq: 20 Jun 2022 15:52

Tgt Ion: 59 Resp: 556
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 4.939 ug/l

RT: 4.239 min Scan# 40

Delta R.T. 0.012 min

Lab File: VN072963.D

Acq: 20 Jun 2022 15:52

Instrument :

MSVOA_N

ClientSampleId :

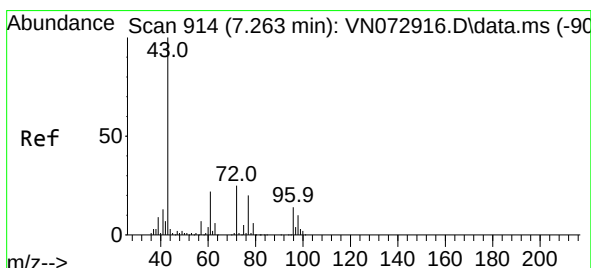
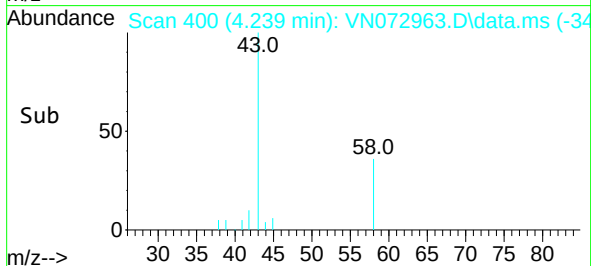
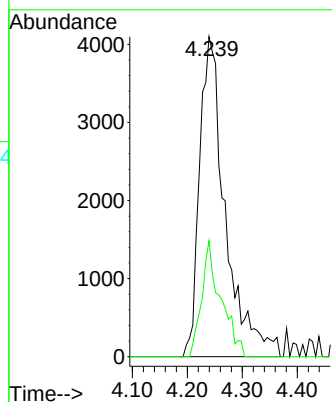
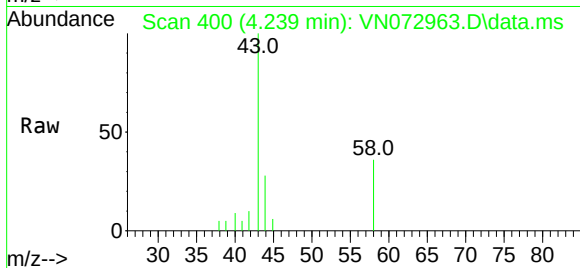
EB-2022-06-14

Tgt Ion: 43 Resp: 13324

Ion Ratio Lower Upper

43 100

58 36.3 26.0 39.0



#25

2-Butanone

Concen: 0.930 ug/l

RT: 7.239 min Scan# 910

Delta R.T. -0.024 min

Lab File: VN072963.D

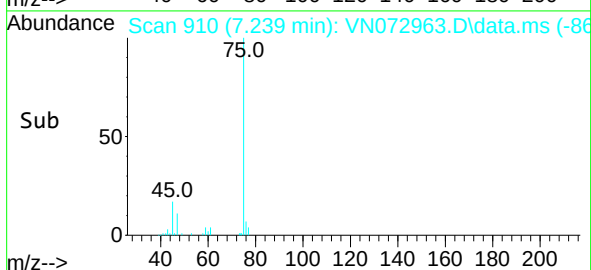
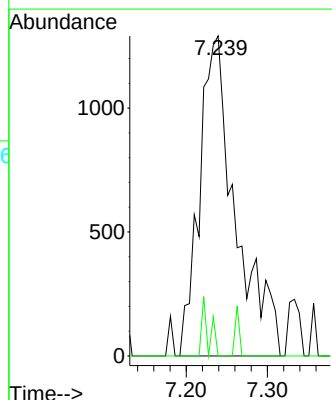
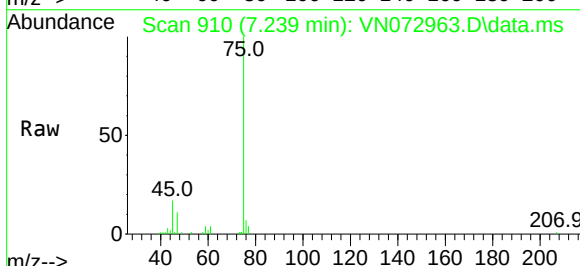
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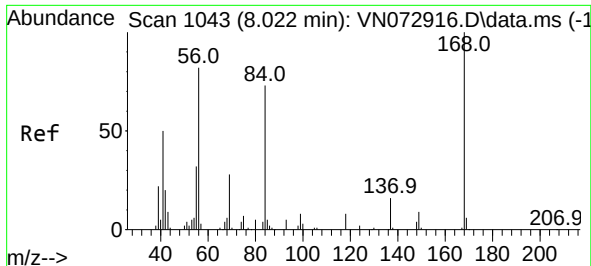
Tgt Ion: 43 Resp: 3982

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#





#31

Cyclohexane

Concen: 1.155 ug/l

RT: 8.016 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN072963.D

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Instrument :

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ClientSampleId :

EB-2022-06-14

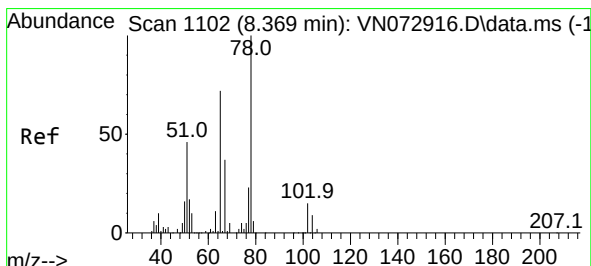
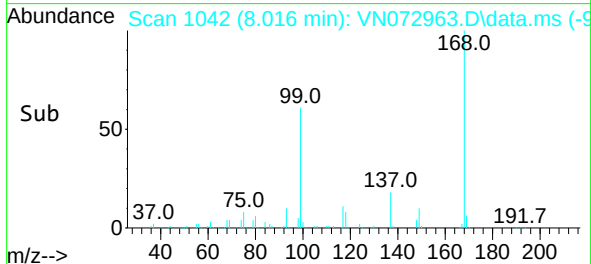
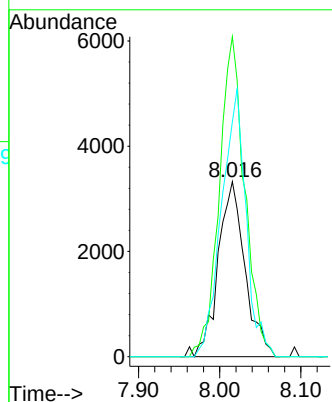
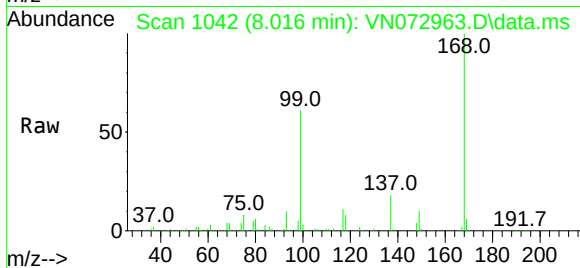
Tgt Ion: 56 Resp: 7665

Ion Ratio Lower Upper

56 100

69 182.8 27.8 41.8#

84 134.1 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 42.400 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN072963.D

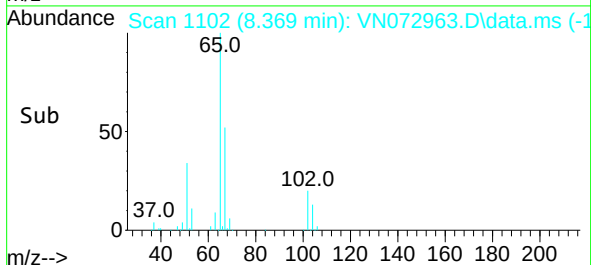
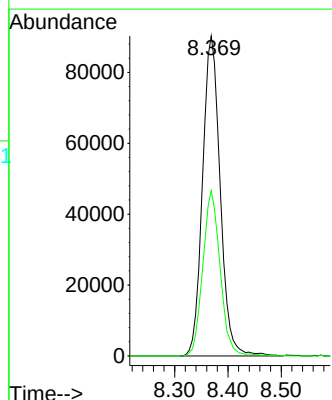
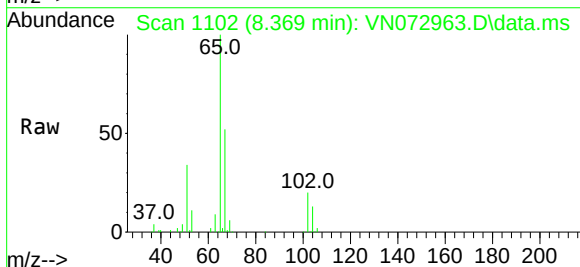
Acq: 20 Jun 2022 15:52

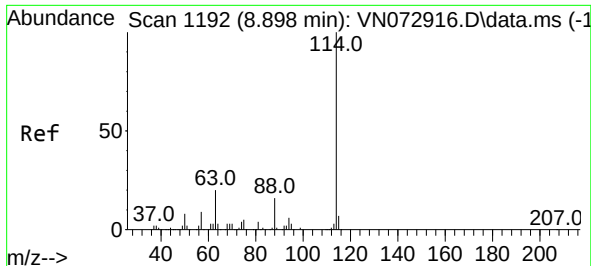
Tgt Ion: 65 Resp: 208066

Ion Ratio Lower Upper

65 100

67 50.8 0.0 104.8

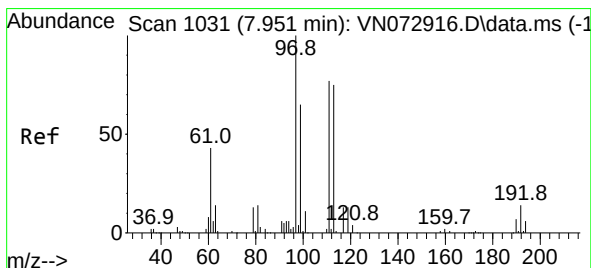
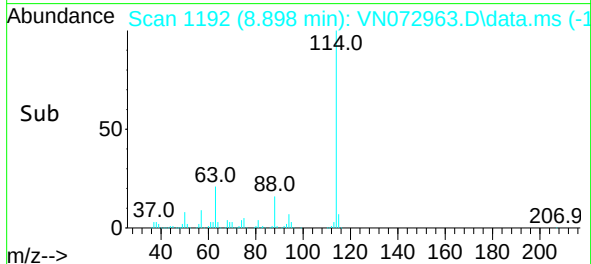
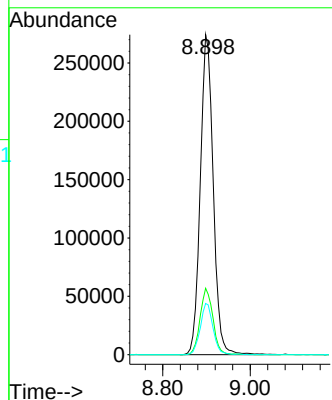
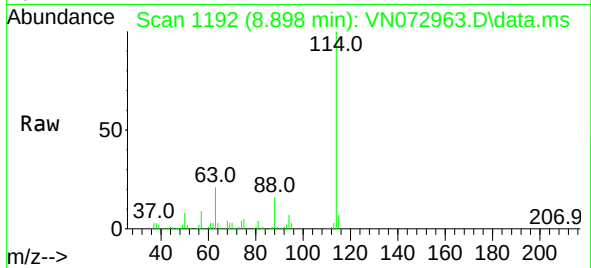




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.898 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VN072963.D
Acq: 20 Jun 2022 15:52

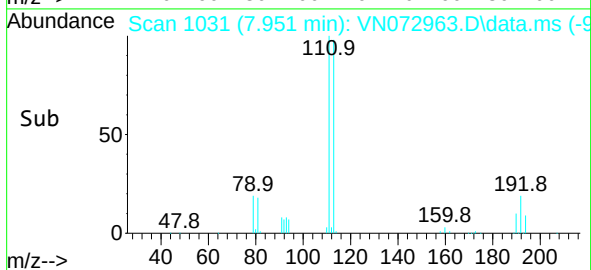
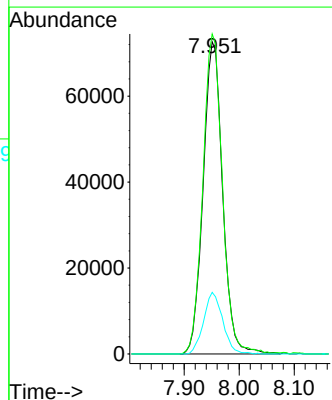
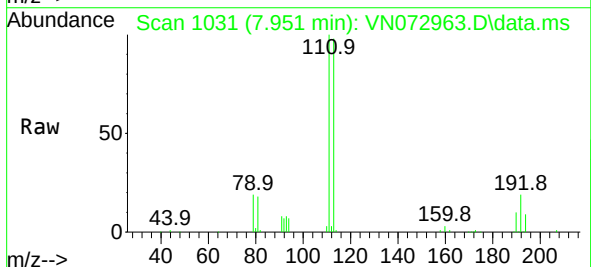
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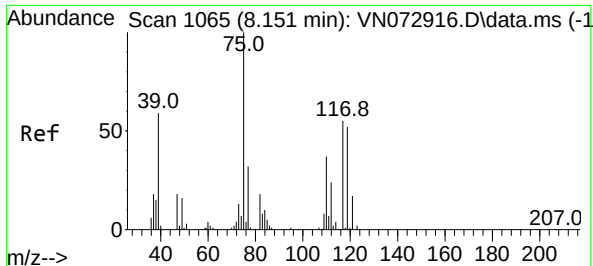
Tgt Ion:114 Resp: 565043
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.0
88 16.0 0.0 32.6



#35
Dibromofluoromethane
Concen: 51.265 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VN072963.D
Acq: 20 Jun 2022 15:52

Tgt Ion:113 Resp: 179041
Ion Ratio Lower Upper
113 100
111 102.9 81.4 122.0
192 19.4 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.986 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.141 min

Lab File: VN072963.D

Acq: 20 Jun 2022 15:52

Instrument :

MSVOA_N

ClientSampleId :

EB-2022-06-14

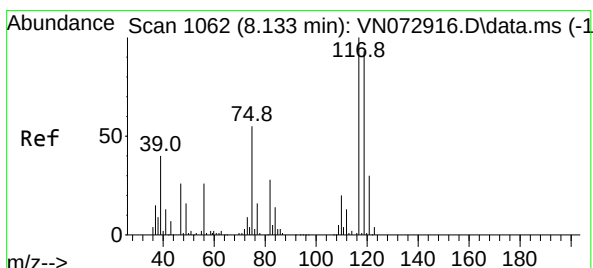
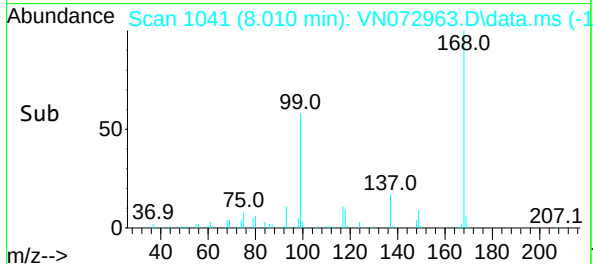
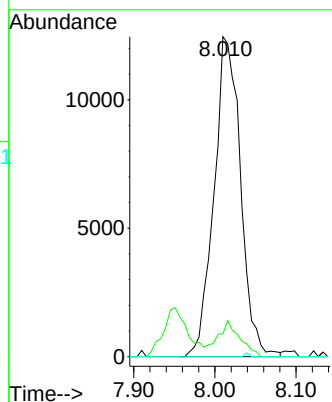
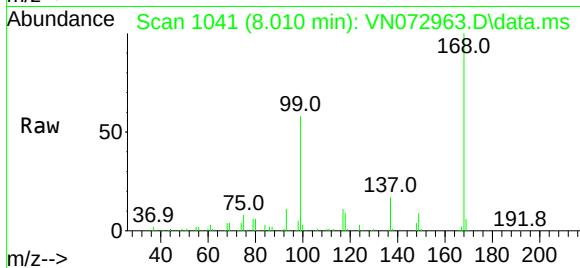
Tgt Ion: 75 Resp: 28290

Ion Ratio Lower Upper

75 100

110 9.5 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 7.614 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.118 min

Lab File: VN072963.D

Acq: 20 Jun 2022 15:52

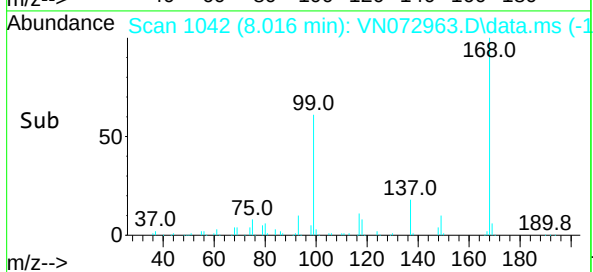
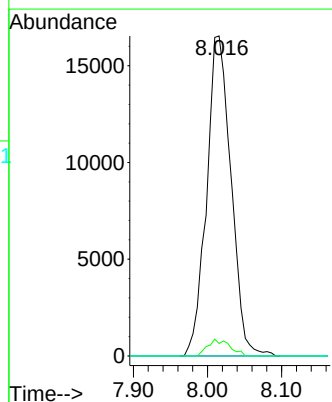
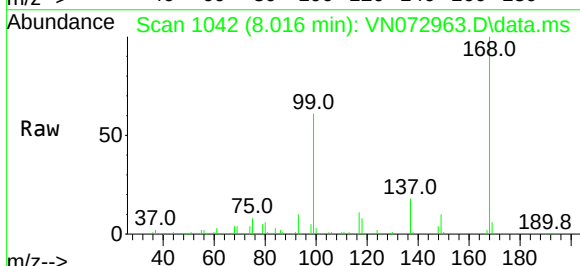
Tgt Ion: 117 Resp: 37846

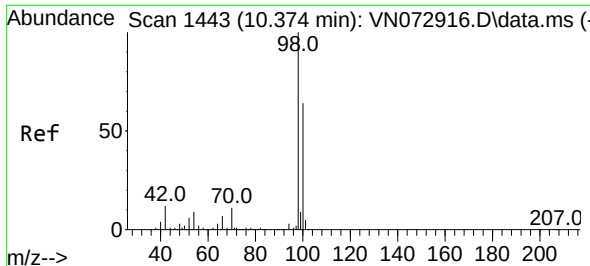
Ion Ratio Lower Upper

117 100

119 3.9 75.8 113.8#

121 0.0 24.6 37.0#

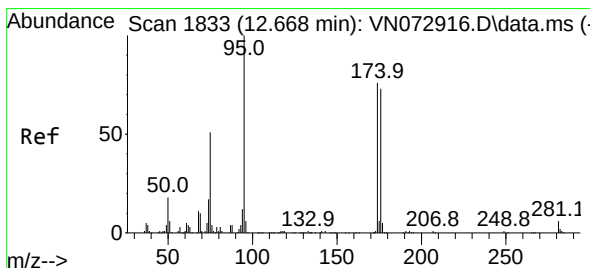
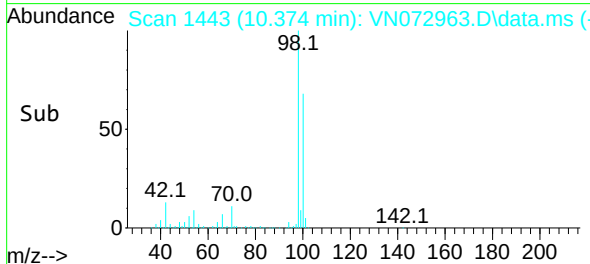
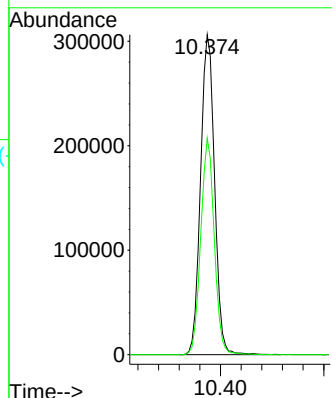
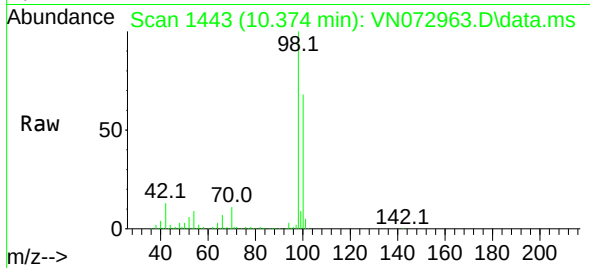




#50
Toluene-d8
Concen: 44.314 ug/l
RT: 10.374 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN072963.D
Acq: 20 Jun 2022 15:52

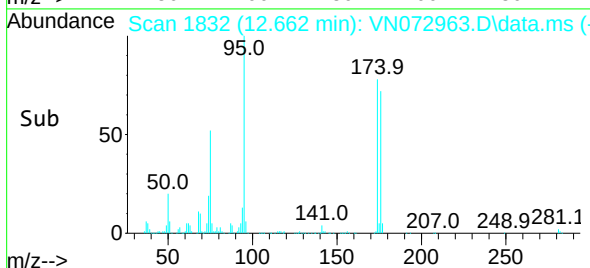
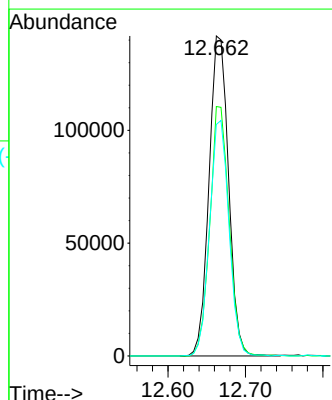
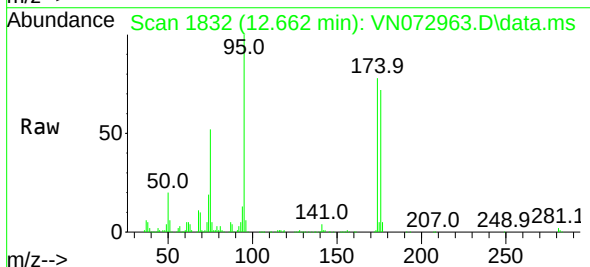
Instrument :
MSVOA_N
ClientSampleId :
EB-2022-06-14

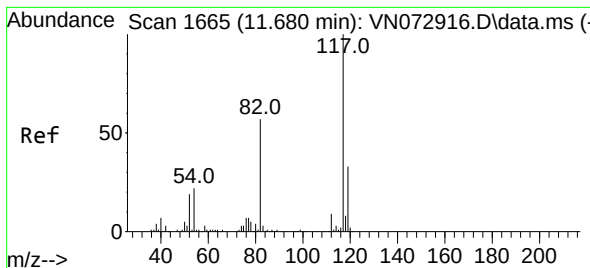
Tgt Ion: 98 Resp: 575882
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 53.099 ug/l
RT: 12.662 min Scan# 1832
Delta R.T. -0.006 min
Lab File: VN072963.D
Acq: 20 Jun 2022 15:52

Tgt Ion: 95 Resp: 248133
Ion Ratio Lower Upper
95 100
174 76.8 0.0 167.6
176 73.1 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.680 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN072963.D

Acq: 20 Jun 2022 15:52

Instrument :

MSVOA_N

ClientSampleId :

EB-2022-06-14

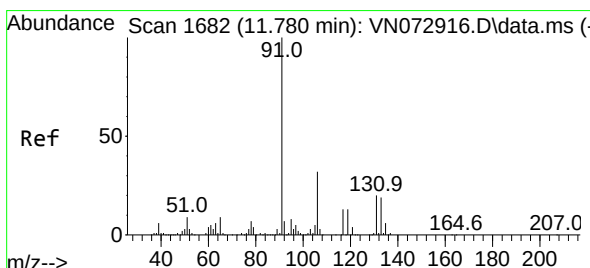
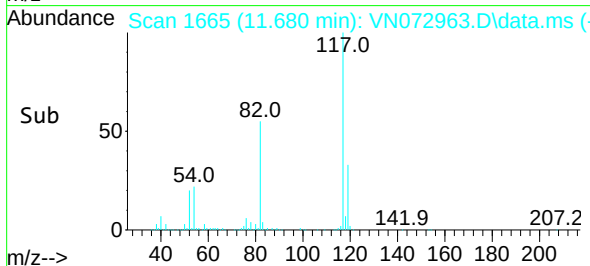
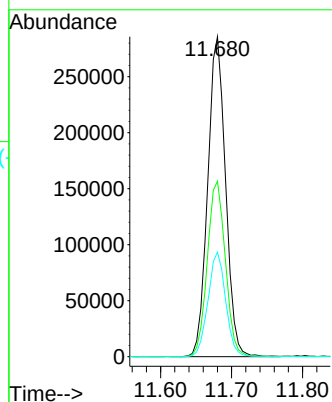
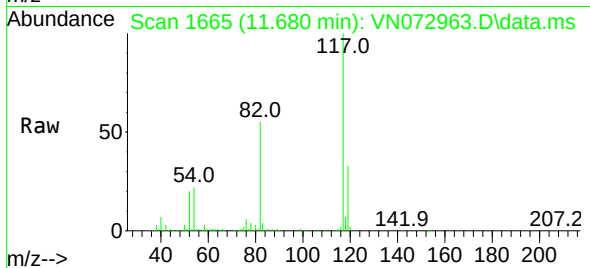
Tgt Ion:117 Resp: 498833

Ion Ratio Lower Upper

117 100

82 54.9 44.2 66.2

119 32.7 25.4 38.0



#67

Ethyl Benzene

Concen: 2.499 ug/l

RT: 11.780 min Scan# 1682

Delta R.T. -0.000 min

Lab File: VN072963.D

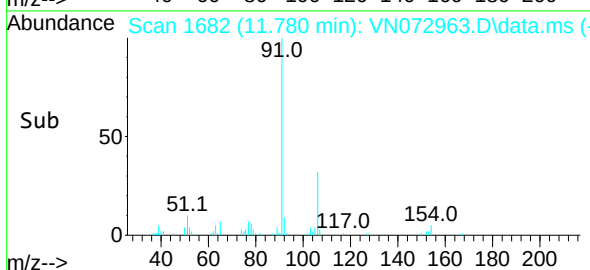
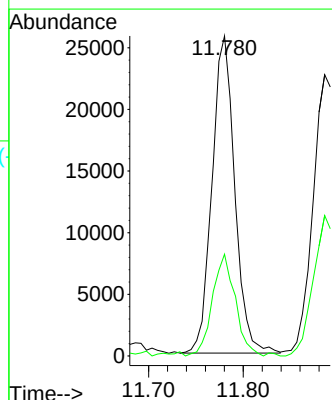
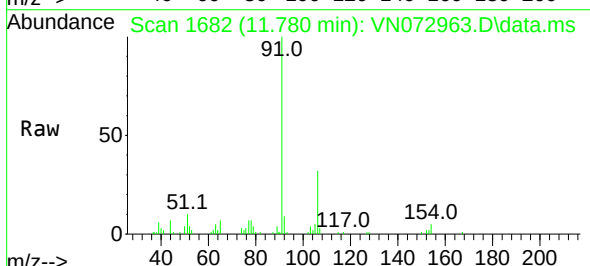
Acq: 20 Jun 2022 15:52

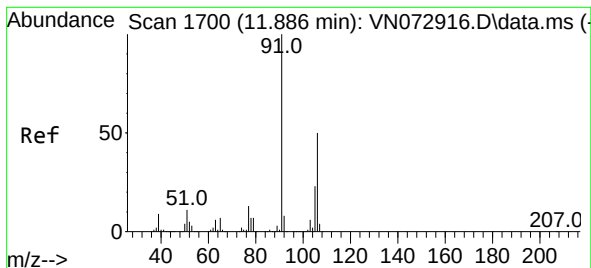
Tgt Ion: 91 Resp: 42850

Ion Ratio Lower Upper

91 100

106 32.1 24.9 37.3

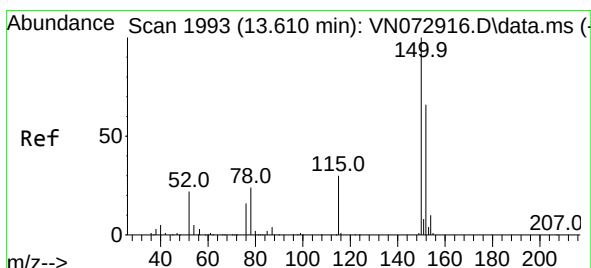
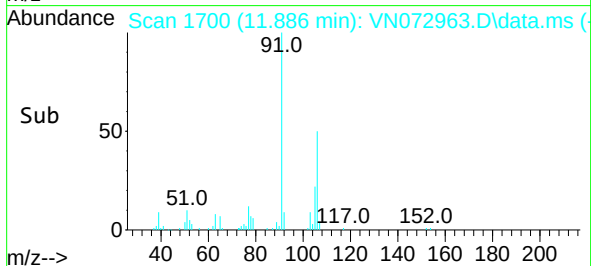
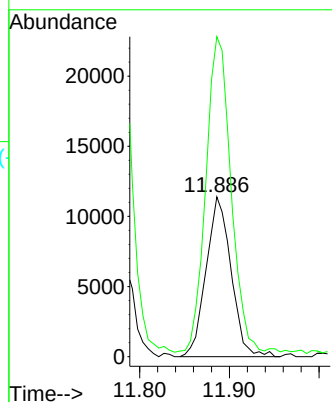
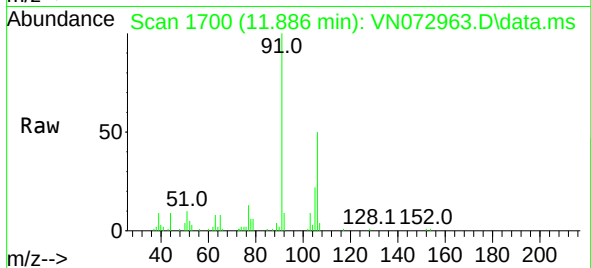




#68
m/p-Xylenes
Concen: 3.274 ug/l
RT: 11.886 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VN072963.D
Acq: 20 Jun 2022 15:52

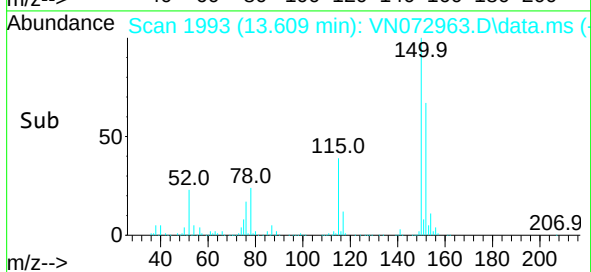
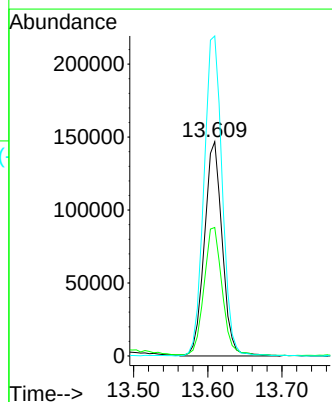
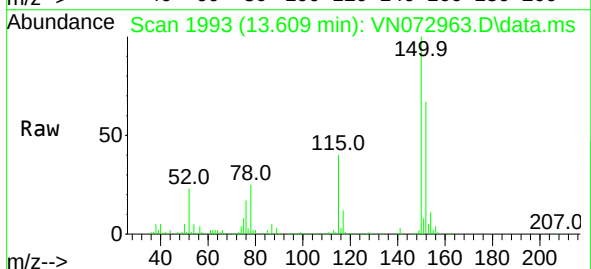
Instrument :
MSVOA_N
ClientSampleId :
EB-2022-06-14

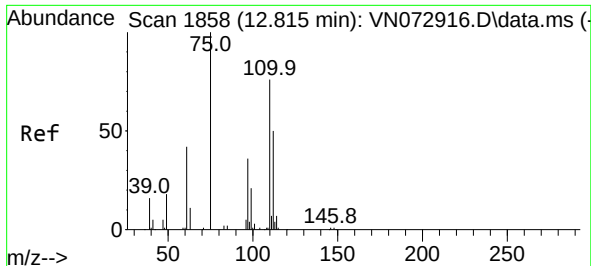
Tgt Ion:106 Resp: 22021
Ion Ratio Lower Upper
106 100
91 197.7 158.9 238.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.609 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN072963.D
Acq: 20 Jun 2022 15:52

Tgt Ion:152 Resp: 245990
Ion Ratio Lower Upper
152 100
115 61.2 28.9 86.7
150 152.6 0.0 356.2

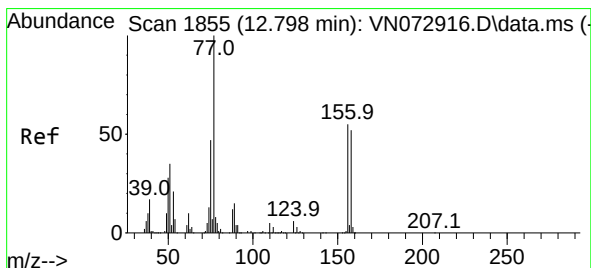
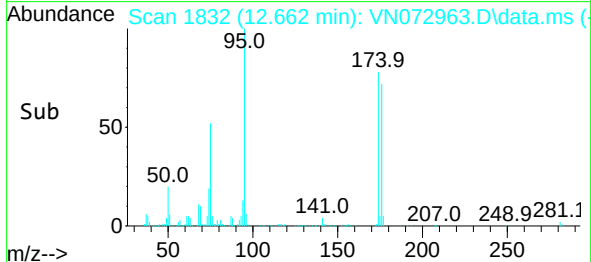
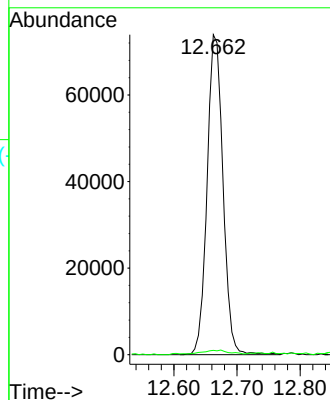
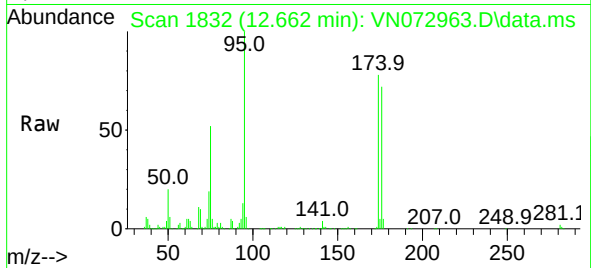




#76
1,2,3-Trichloropropane
Concen: 21.666 ug/l
RT: 12.662 min Scan# 1832
Delta R.T. -0.153 min
Lab File: VN072963.D
Acq: 20 Jun 2022 15:52

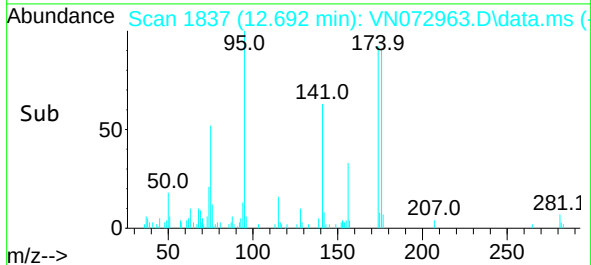
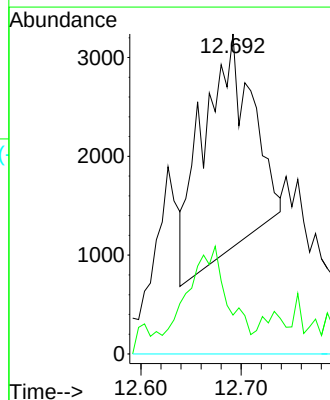
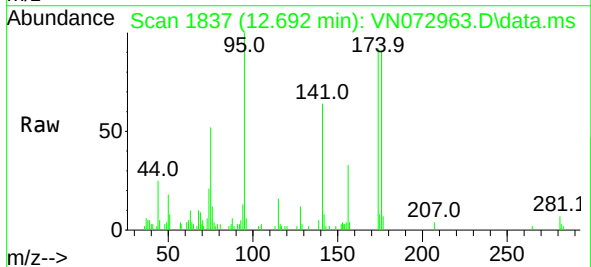
Instrument :
MSVOA_N
ClientSampleId :
EB-2022-06-14

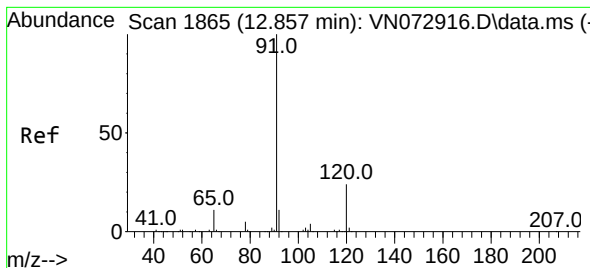
Tgt Ion: 75 Resp: 129217
Ion Ratio Lower Upper
75 100
77 1.9 98.5 295.5#



#77
Bromobenzene
Concen: 1.642 ug/l
RT: 12.692 min Scan# 1837
Delta R.T. -0.106 min
Lab File: VN072963.D
Acq: 20 Jun 2022 15:52

Tgt Ion: 156 Resp: 7487
Ion Ratio Lower Upper
156 100
77 32.7 100.5 301.5#
158 0.0 48.9 146.6#





#78

n-propylbenzene

Concen: 0.721 ug/l

RT: 12.851 min Scan# 1864

Delta R.T. -0.006 min

Lab File: VN072963.D

Acq: 20 Jun 2022 15:52

Instrument :

MSVOA_N

ClientSampleId :

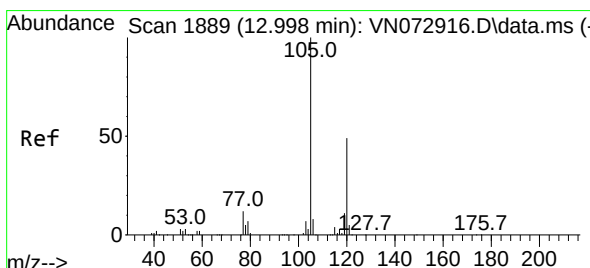
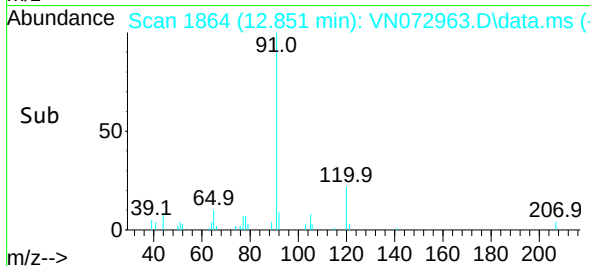
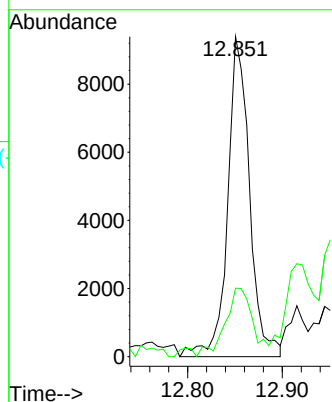
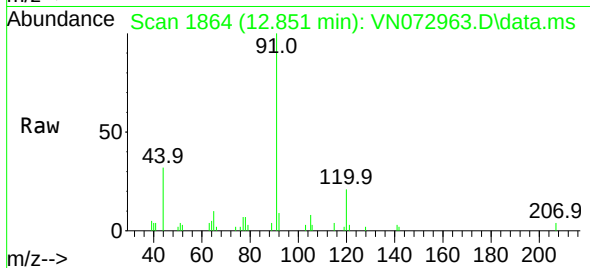
EB-2022-06-14

Tgt Ion: 91 Resp: 15086

Ion Ratio Lower Upper

91 100

120 27.1 11.9 35.5



#80

1,3,5-Trimethylbenzene

Concen: 0.579 ug/l

RT: 12.998 min Scan# 1889

Delta R.T. -0.000 min

Lab File: VN072963.D

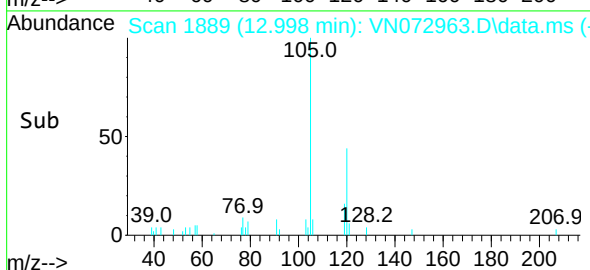
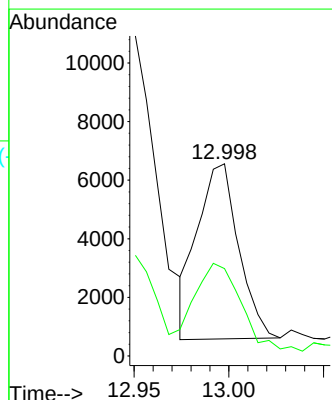
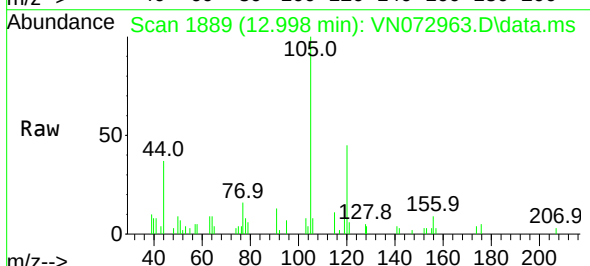
Acq: 20 Jun 2022 15:52

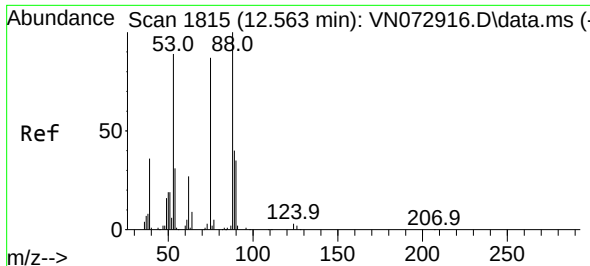
Tgt Ion:105 Resp: 9045

Ion Ratio Lower Upper

105 100

120 59.0 24.9 74.7

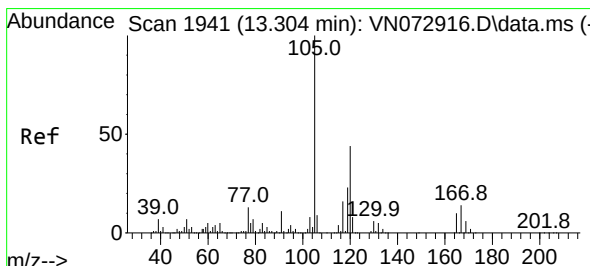
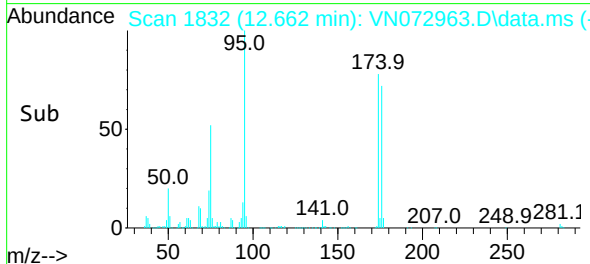
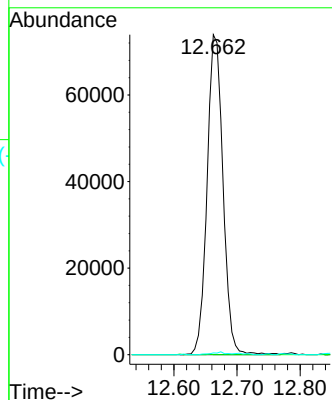
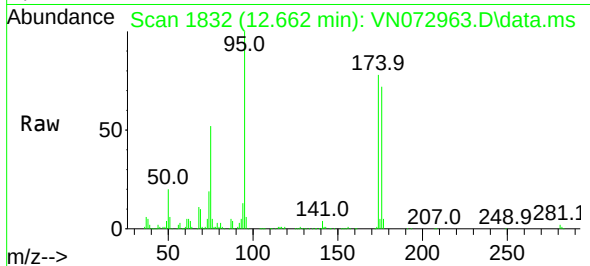




#81
trans-1,4-Dichloro-2-butene
Concen: 58.512 ug/l
RT: 12.662 min Scan# 1815
Delta R.T. 0.100 min
Lab File: VN072963.D
Acq: 20 Jun 2022 15:52

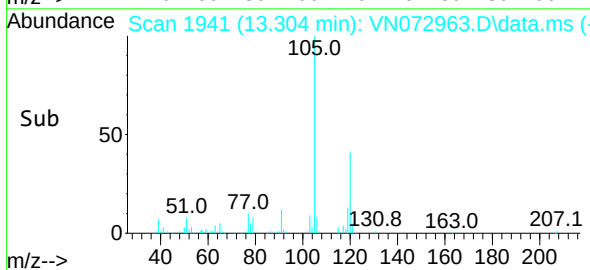
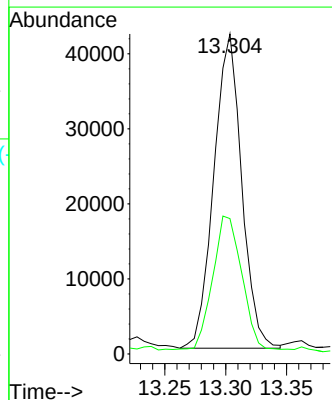
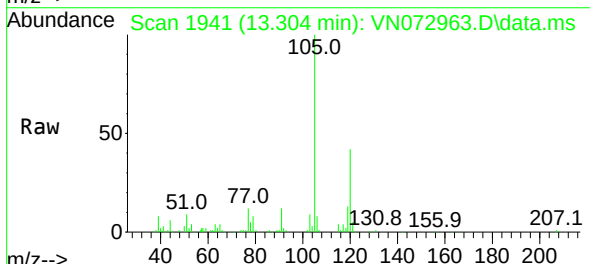
Instrument :
MSVOA_N
ClientSampleId :
EB-2022-06-14

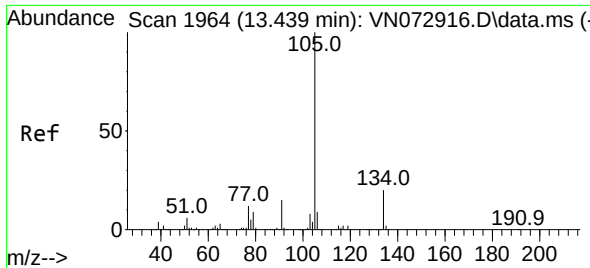
Tgt Ion: 75 Resp: 129217
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.7 37.2 55.8#



#84
1,2,4-Trimethylbenzene
Concen: 4.279 ug/l
RT: 13.304 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VN072963.D
Acq: 20 Jun 2022 15:52

Tgt Ion: 105 Resp: 66630
Ion Ratio Lower Upper
105 100
120 43.8 23.3 69.8

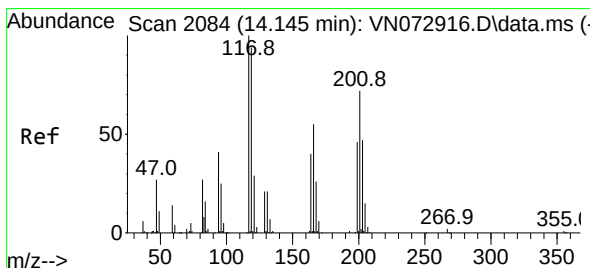
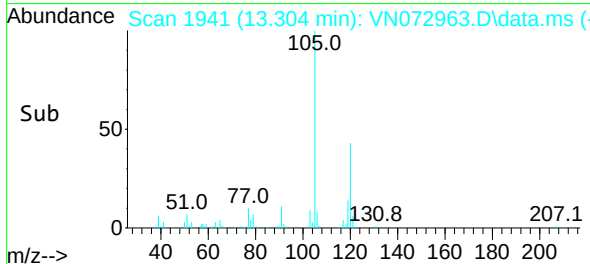
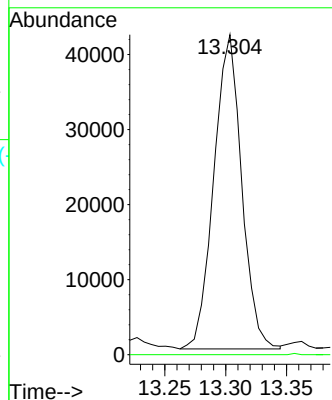
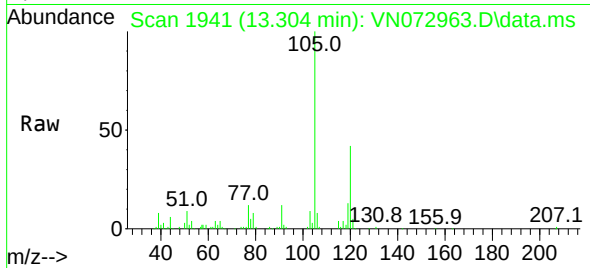




#85
 sec-Butylbenzene
 Concen: 3.489 ug/l
 RT: 13.304 min Scan# 1941
 Delta R.T. -0.135 min
 Lab File: VN072963.D
 Acq: 20 Jun 2022 15:52

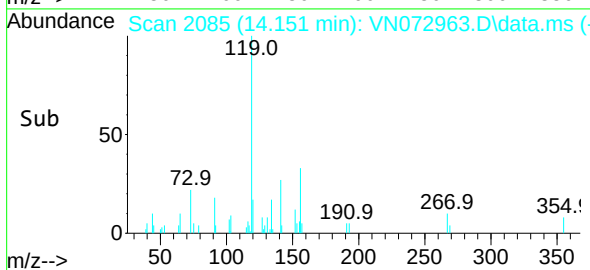
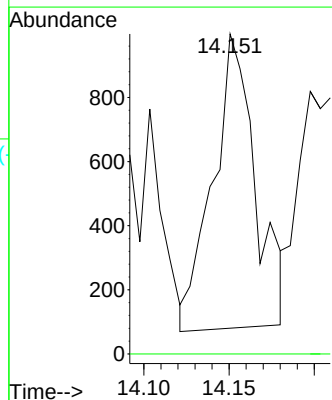
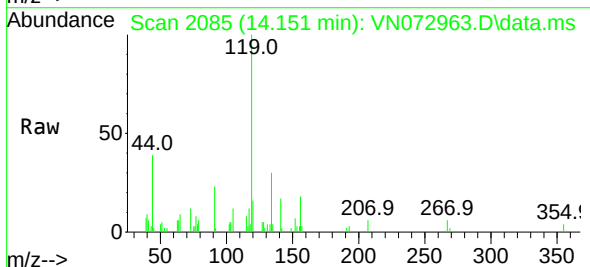
Instrument :
 MSVOA_N
 ClientSampleId :
 EB-2022-06-14

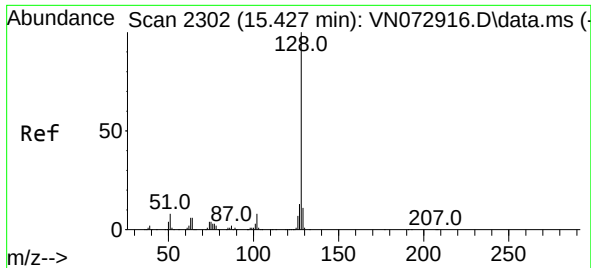
Tgt Ion:105 Resp: 66630
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1#



#90
 Hexachloroethane
 Concen: 0.546 ug/l
 RT: 14.151 min Scan# 2085
 Delta R.T. 0.006 min
 Lab File: VN072963.D
 Acq: 20 Jun 2022 15:52

Tgt Ion:117 Resp: 1592
 Ion Ratio Lower Upper
 117 100
 201 0.0 40.6 122.0#





#95

Naphthalene

Concen: 11.988 ug/l

RT: 15.427 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN072963.D

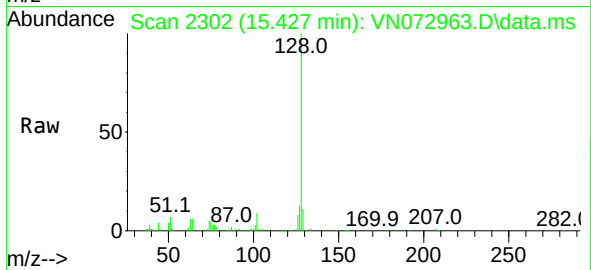
Acq: 20 Jun 2022 15:52

Instrument :

MSVOA_N

ClientSampleId :

EB-2022-06-14



Tgt Ion:128 Resp: 227814

Ion Ratio Lower Upper

128 100

127 13.7 10.3 15.5

129 11.2 8.6 13.0

