

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061422\
 Data File : VN072864.D
 Acq On : 15 Jun 2022 05:08
 Operator : JC\MD
 Sample : N3334-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-14A-1A-7-GR

Quant Time: Jun 15 07:51:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 15 04:13:32 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	321558	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	549517	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	513145	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	219539	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	207312	41.627	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	83.260%
35) Dibromofluoromethane	8.022	113	169794	49.907	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.820%
50) Toluene-d8	10.439	98	590383	43.971	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	87.940%
62) 4-Bromofluorobenzene	12.727	95	246874	54.775	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	109.540%

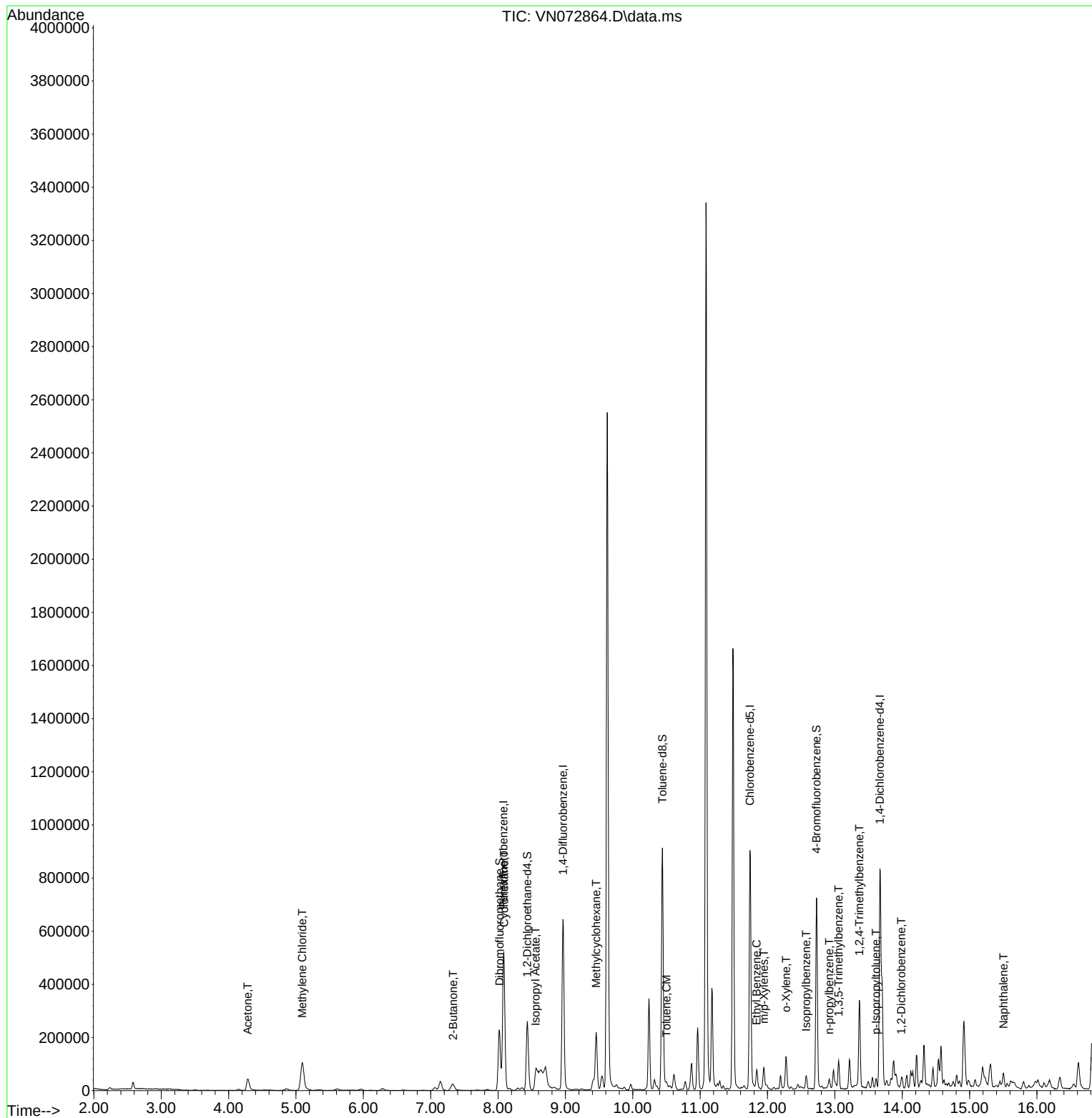
Target Compounds						Qvalue
16) Acetone	4.281	43	85592	30.751	ug/l	96
20) Methylene Chloride	5.092	84	82195	22.217	ug/l	88
25) 2-Butanone	7.333	43	34484	7.819	ug/l	90
31) Cyclohexane	8.092	56	60044	9.217	ug/l	91
39) Methylcyclohexane	9.457	83	87377	16.938	ug/l	89
43) Isopropyl Acetate	8.557	43	87654	7.761	ug/l #	72
52) Toluene	10.498	92	10969	1.229	ug/l	94
67) Ethyl Benzene	11.839	91	41248	2.261	ug/l	100
68) m/p-Xylenes	11.945	106	22608	3.499	ug/l	85
69) o-Xylene	12.274	106	27154	3.971	ug/l	93
73) Isopropylbenzene	12.574	105	29052	1.440	ug/l	98
78) n-propylbenzene	12.915	91	27414	1.245	ug/l	99
80) 1,3,5-Trimethylbenzene	13.057	105	51926	3.239	ug/l	98
84) 1,2,4-Trimethylbenzene	13.363	105	182464	11.761	ug/l	96
86) p-Isopropyltoluene	13.610	119	16473	1.092	ug/l	92
91) 1,2-Dichlorobenzene	13.986	146	7841	1.028	ug/l	93
95) Naphthalene	15.504	128	47623	3.449	ug/l	97

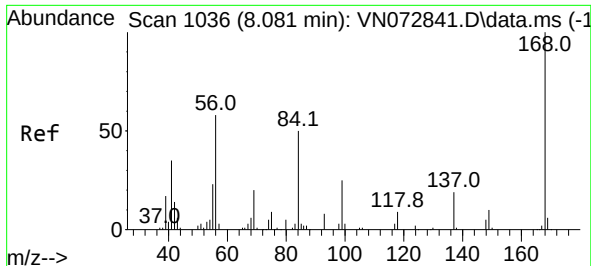
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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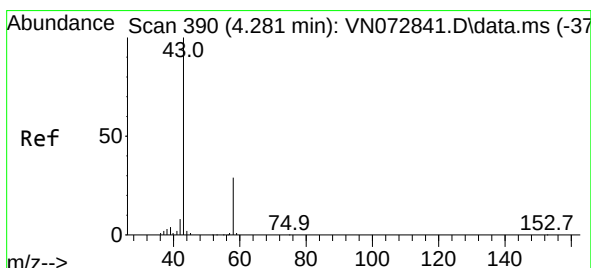
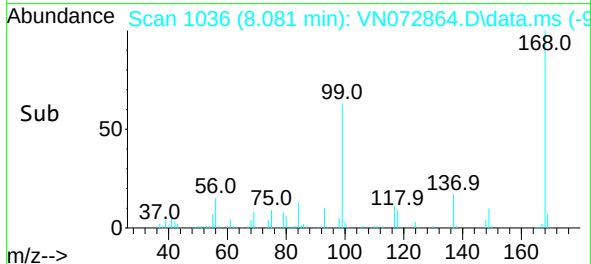
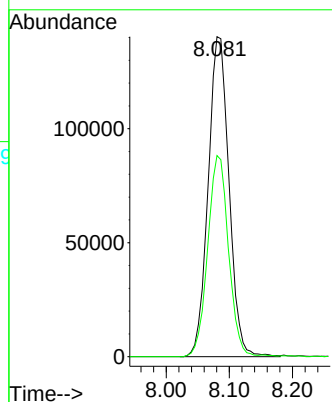
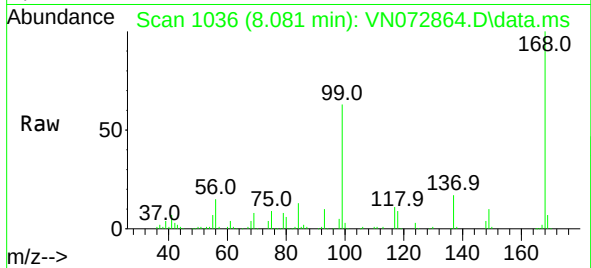




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN072864.D
Acq: 15 Jun 2022 05:08

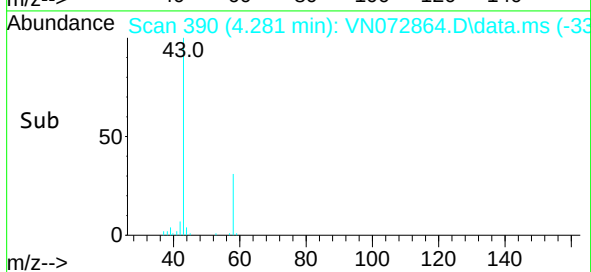
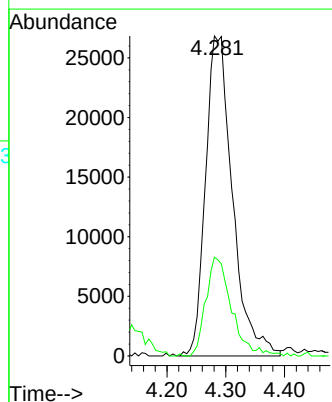
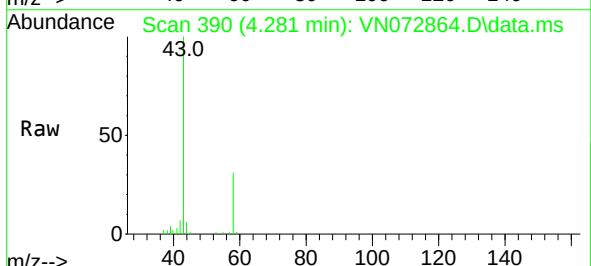
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-7-GR

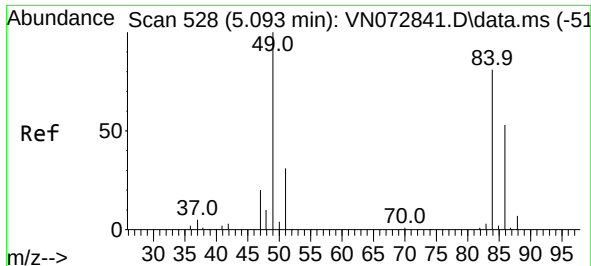
Tgt Ion:168 Resp: 321558
Ion Ratio Lower Upper
168 100
99 62.9 42.3 63.5



#16
Acetone
Concen: 30.751 ug/l
RT: 4.281 min Scan# 390
Delta R.T. -0.000 min
Lab File: VN072864.D
Acq: 15 Jun 2022 05:08

Tgt Ion: 43 Resp: 85592
Ion Ratio Lower Upper
43 100
58 30.2 26.0 39.0





#20

Methylene Chloride

Concen: 22.217 ug/l

RT: 5.092 min Scan# 51

Delta R.T. -0.001 min

Lab File: VN072864.D

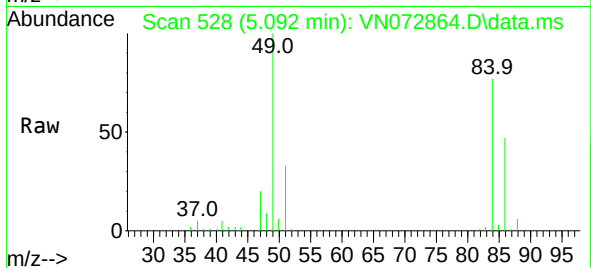
Acq: 15 Jun 2022 05:08

Instrument :

MSVOA_N

ClientSampleId :

WC-14A-1A-7-GR



Tgt Ion: 84 Resp: 82195

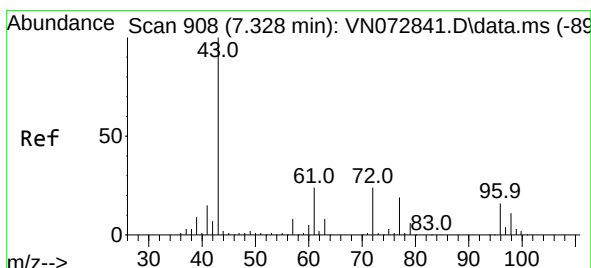
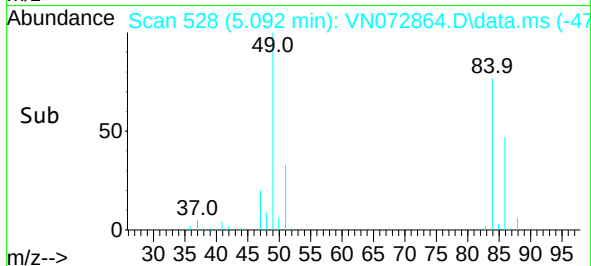
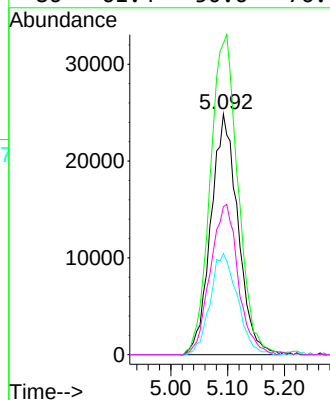
Ion Ratio Lower Upper

84 100

49 129.3 88.3 132.5

51 42.0 28.2 42.2

86 61.4 50.6 76.0



#25

2-Butanone

Concen: 7.819 ug/l

RT: 7.333 min Scan# 909

Delta R.T. 0.005 min

Lab File: VN072864.D

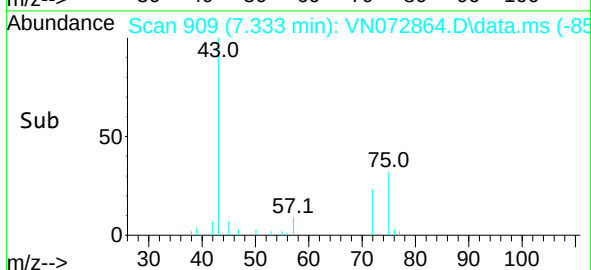
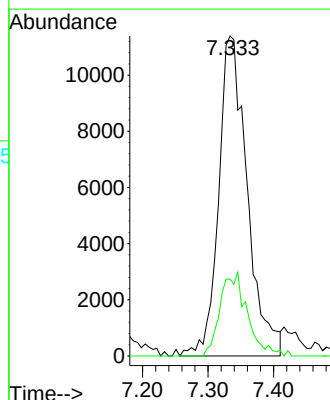
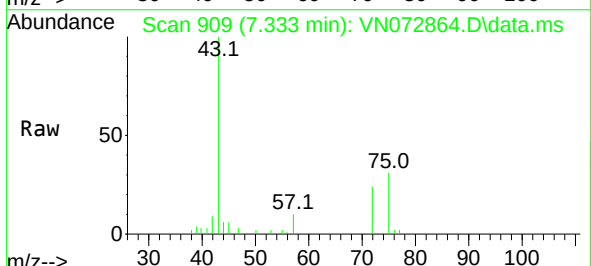
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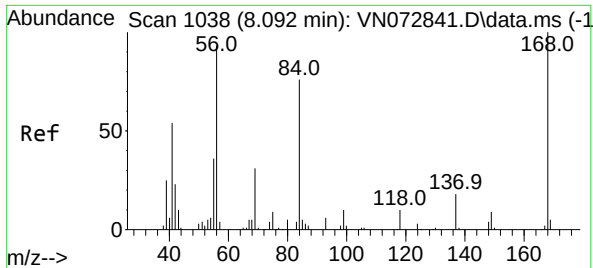
Tgt Ion: 43 Resp: 34484

Ion Ratio Lower Upper

43 100

72 24.1 23.7 35.5

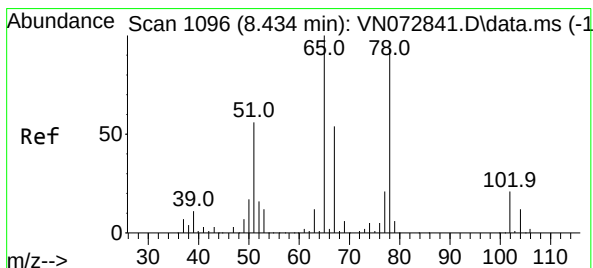
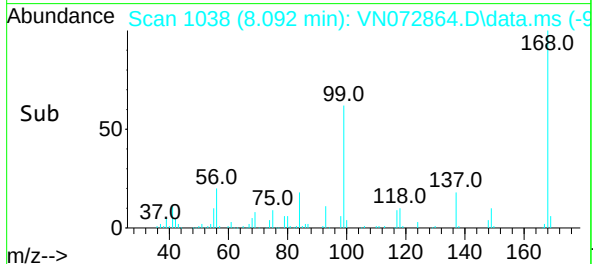
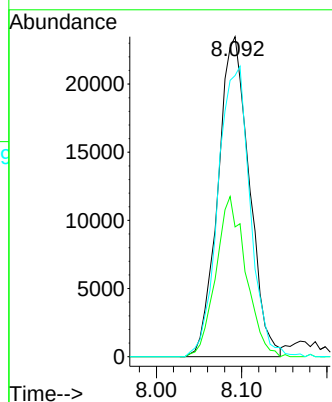
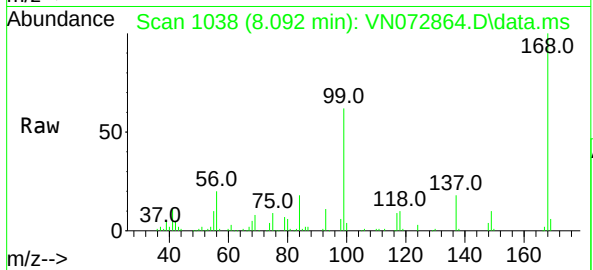




#31
Cyclohexane
Concen: 9.217 ug/l
RT: 8.092 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VN072864.D
Acq: 15 Jun 2022 05:08

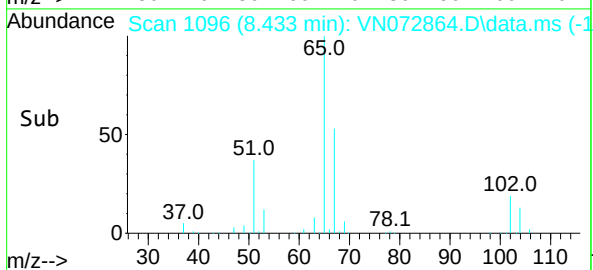
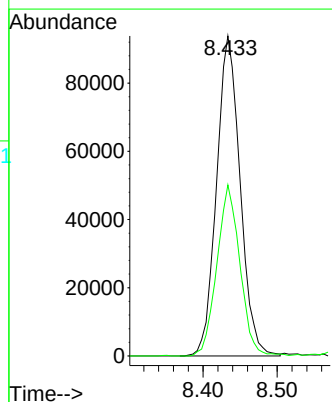
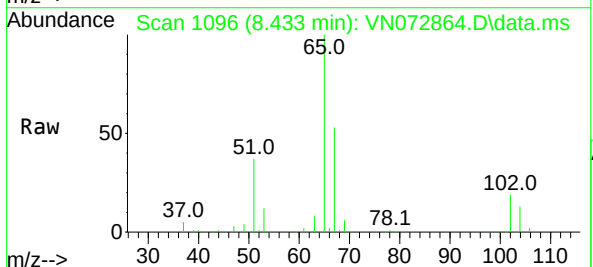
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-7-GR

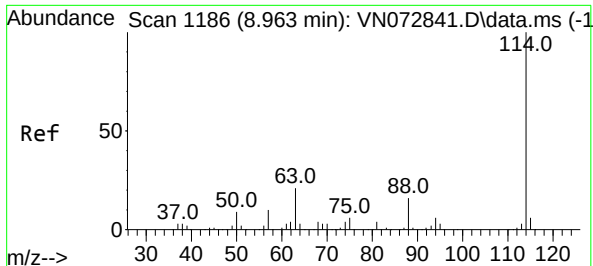
Tgt Ion: 56 Resp: 60044
Ion Ratio Lower Upper
56 100
69 40.5 27.8 41.8
84 87.8 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 41.627 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.001 min
Lab File: VN072864.D
Acq: 15 Jun 2022 05:08

Tgt Ion: 65 Resp: 207312
Ion Ratio Lower Upper
65 100
67 52.1 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: VN072864.D

Acq: 15 Jun 2022 05:08

Instrument :

MSVOA_N

ClientSampleId :

WC-14A-1A-7-GR

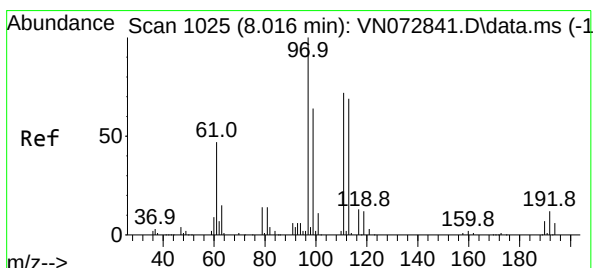
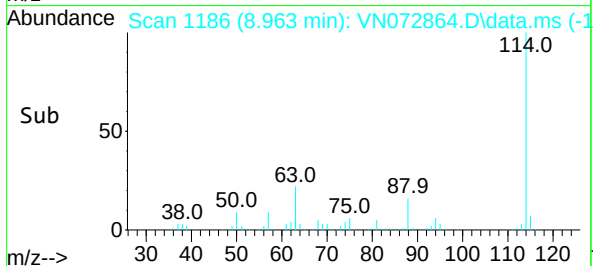
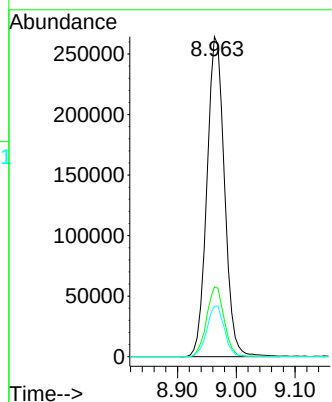
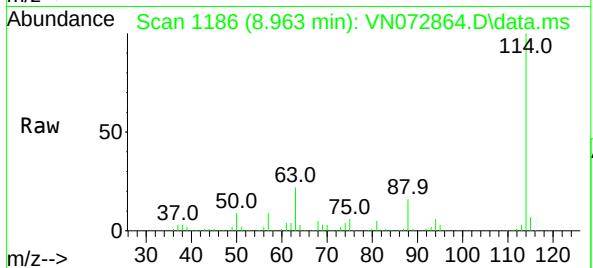
Tgt Ion:114 Resp: 549517

Ion Ratio Lower Upper

114 100

63 21.8 0.0 40.0

88 15.7 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.907 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN072864.D

Acq: 15 Jun 2022 05:08

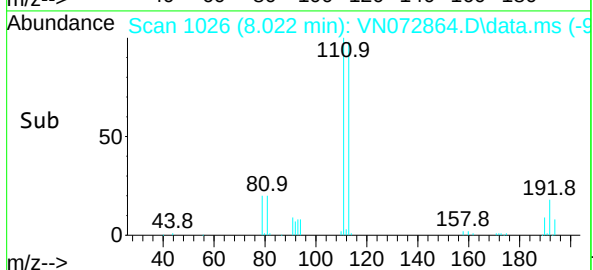
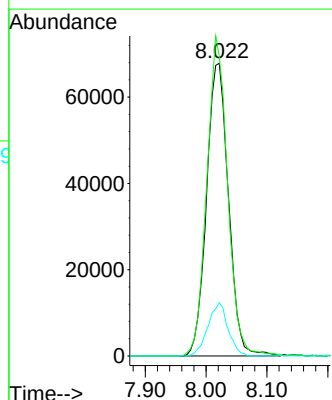
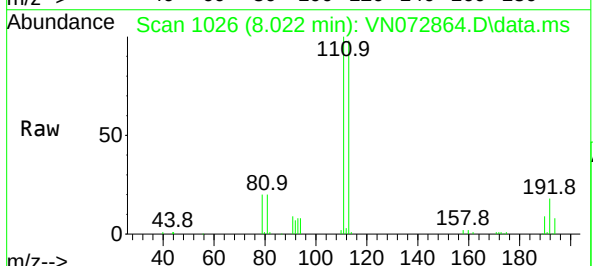
Tgt Ion:113 Resp: 169794

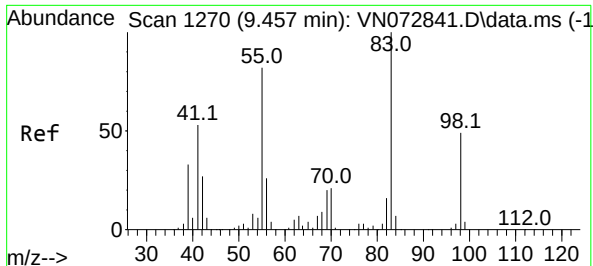
Ion Ratio Lower Upper

113 100

111 104.0 81.4 122.0

192 16.6 17.0 25.6#





#39

Methylcyclohexane

Concen: 16.938 ug/l

RT: 9.457 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN072864.D

Acq: 15 Jun 2022 05:08

Instrument :

MSVOA_N

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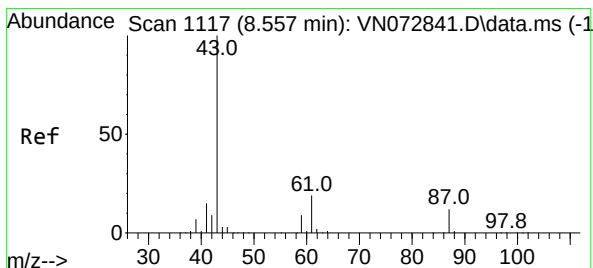
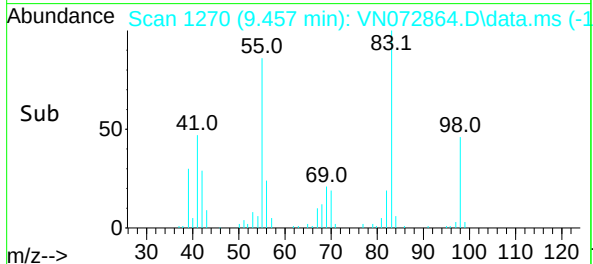
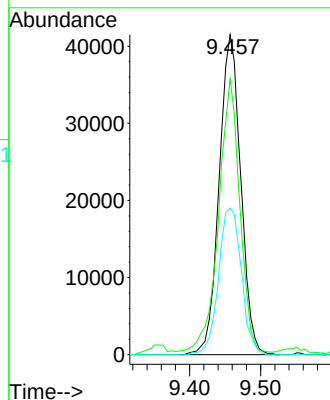
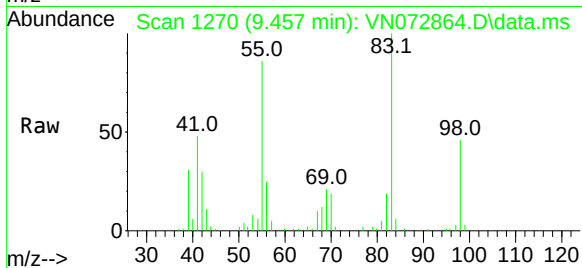
Tgt Ion: 83 Resp: 87377

Ion Ratio Lower Upper

83 100

55 85.0 57.8 86.8

98 45.8 39.4 59.2



#43

Isopropyl Acetate

Concen: 7.761 ug/l

RT: 8.557 min Scan# 1117

Delta R.T. -0.000 min

Lab File: VN072864.D

Acq: 15 Jun 2022 05:08

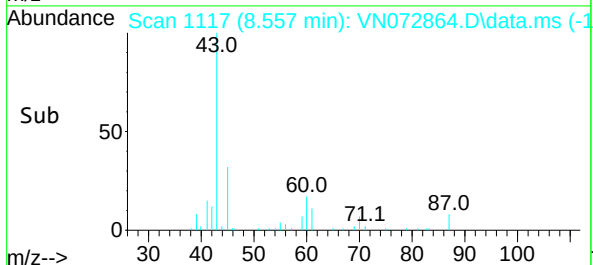
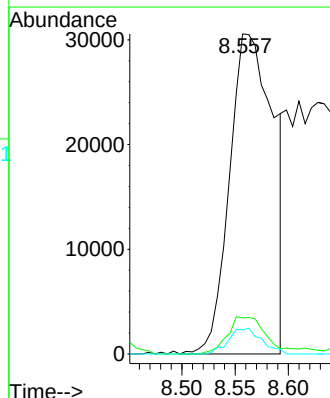
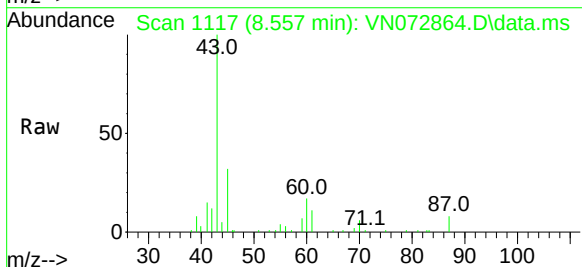
Tgt Ion: 43 Resp: 87654

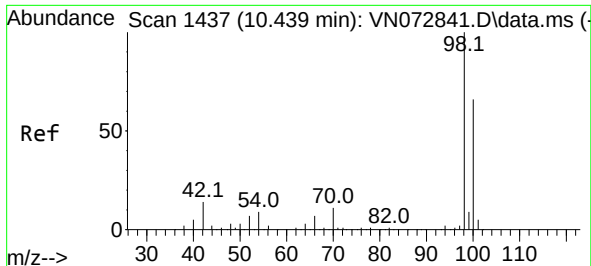
Ion Ratio Lower Upper

43 100

61 10.9 21.9 32.9#

87 6.0 12.0 18.0#

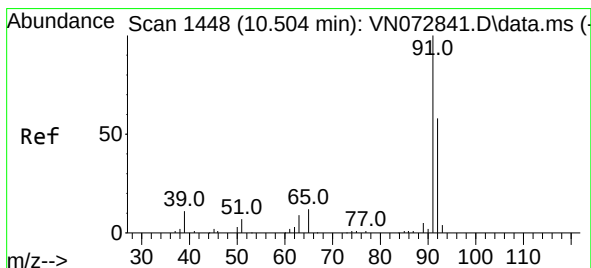
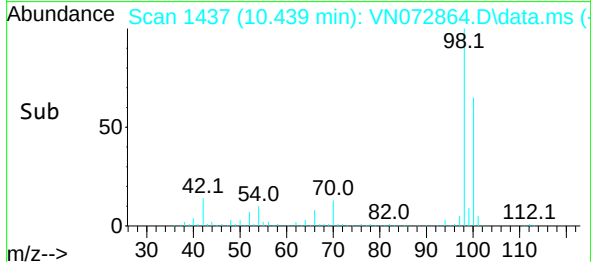
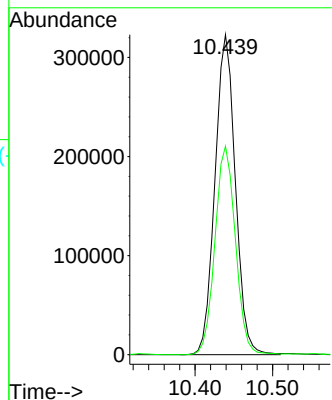
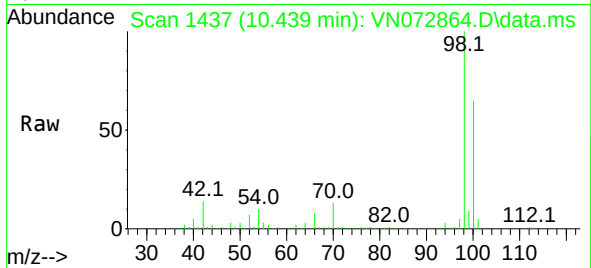




#50
Toluene-d8
Concen: 43.971 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072864.D
Acq: 15 Jun 2022 05:08

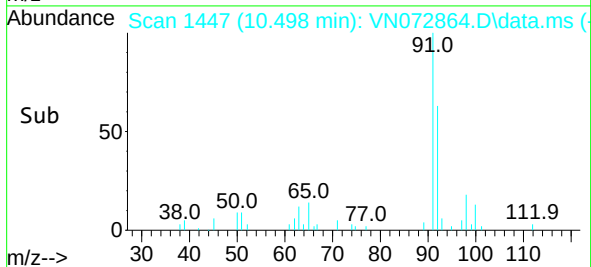
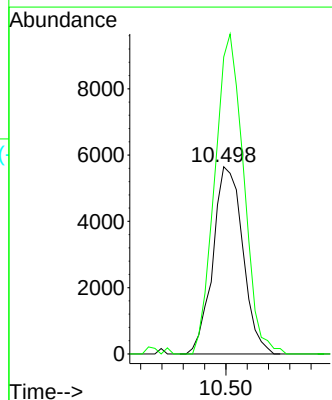
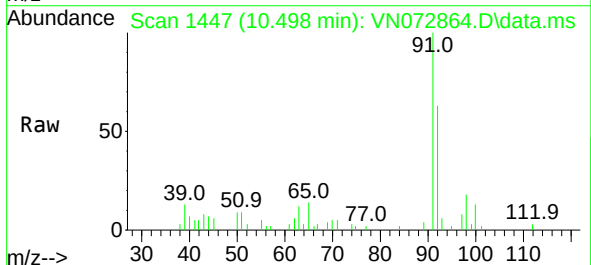
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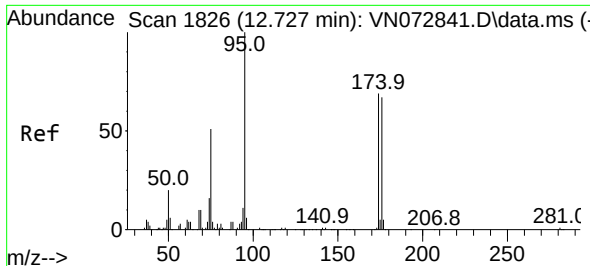
Tgt Ion: 98 Resp: 590383
Ion Ratio Lower Upper
98 100
100 65.5 52.6 78.8



#52
Toluene
Concen: 1.229 ug/l
RT: 10.498 min Scan# 1447
Delta R.T. -0.006 min
Lab File: VN072864.D
Acq: 15 Jun 2022 05:08

Tgt Ion: 92 Resp: 10969
Ion Ratio Lower Upper
92 100
91 165.4 138.6 207.8

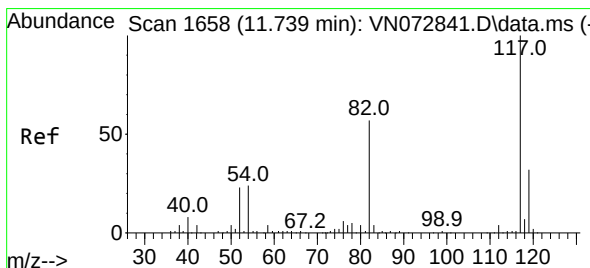
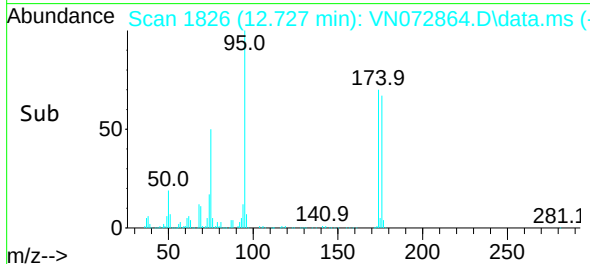
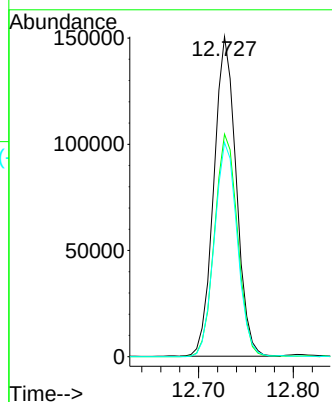
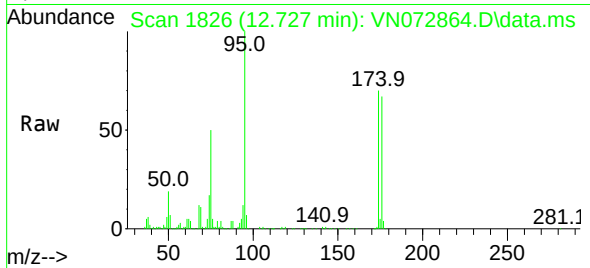




#62
4-Bromofluorobenzene
Concen: 54.775 ug/l
RT: 12.727 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN072864.D
Acq: 15 Jun 2022 05:08

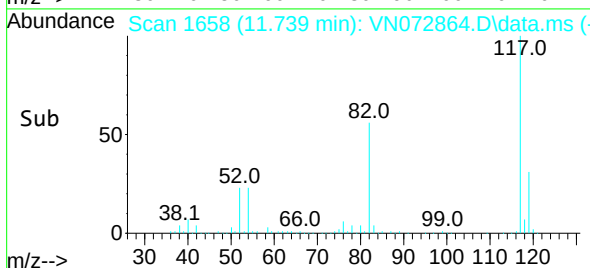
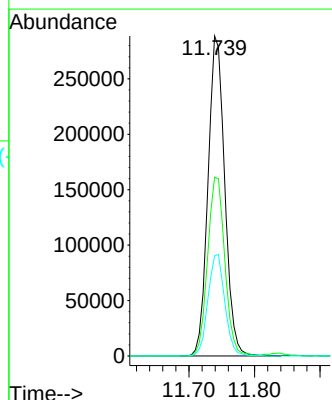
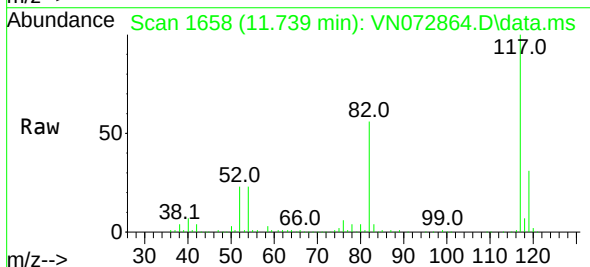
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-7-GR

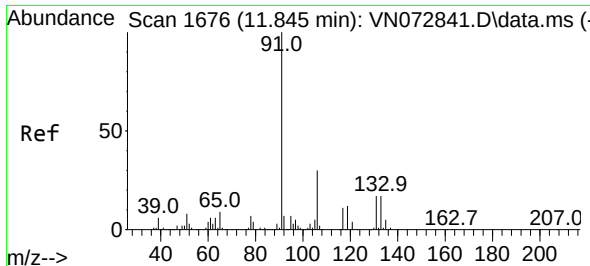
Tgt Ion: 95 Resp: 246874
Ion Ratio Lower Upper
95 100
174 71.7 0.0 167.6
176 68.8 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072864.D
Acq: 15 Jun 2022 05:08

Tgt Ion: 117 Resp: 513145
Ion Ratio Lower Upper
117 100
82 55.9 44.2 66.2
119 31.3 25.4 38.0

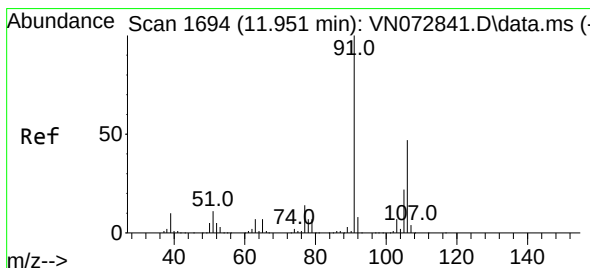
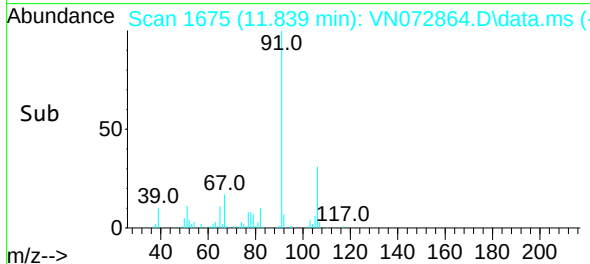
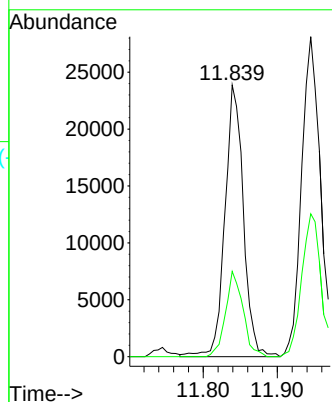
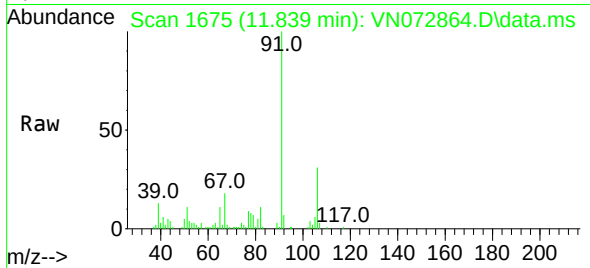




#67
Ethyl Benzene
Concen: 2.261 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VN072864.D
Acq: 15 Jun 2022 05:08

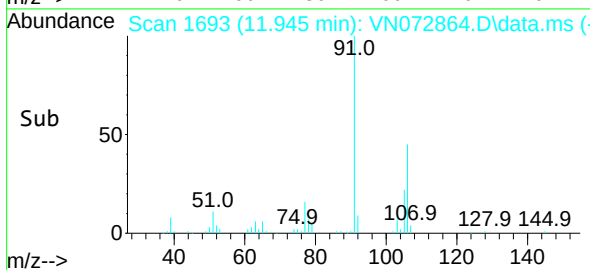
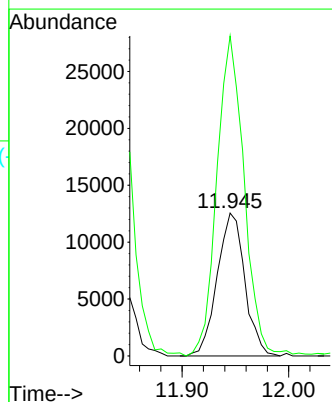
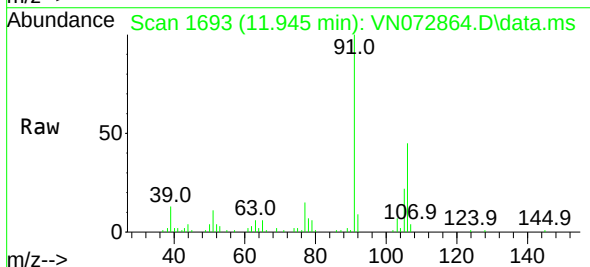
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-7-GR

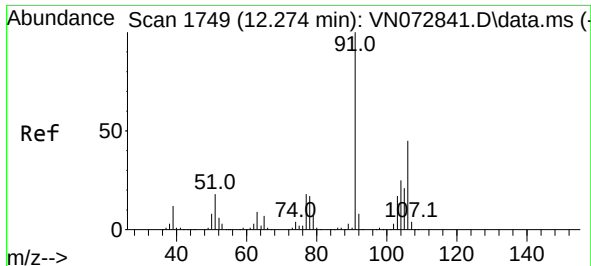
Tgt Ion: 91 Resp: 41248
Ion Ratio Lower Upper
91 100
106 31.4 24.9 37.3



#68
m/p-Xylenes
Concen: 3.499 ug/l
RT: 11.945 min Scan# 1693
Delta R.T. -0.006 min
Lab File: VN072864.D
Acq: 15 Jun 2022 05:08

Tgt Ion: 106 Resp: 22608
Ion Ratio Lower Upper
106 100
91 221.5 158.9 238.3

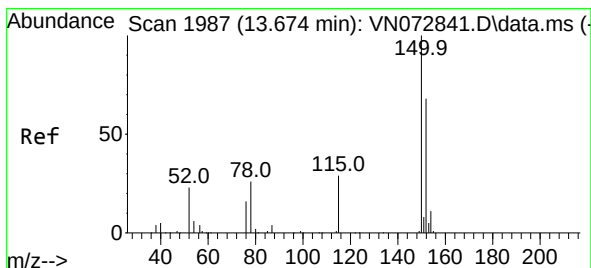
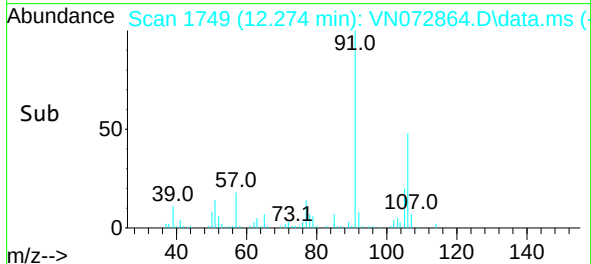
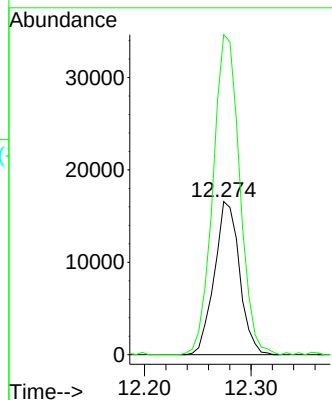
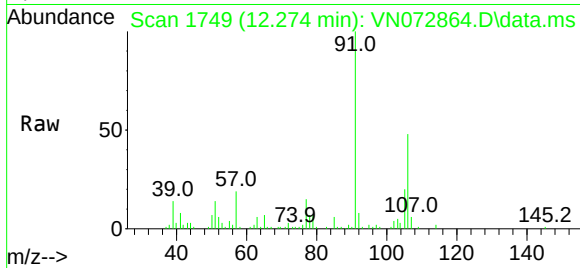




#69
o-Xylene
Concen: 3.971 ug/l
RT: 12.274 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN072864.D
Acq: 15 Jun 2022 05:08

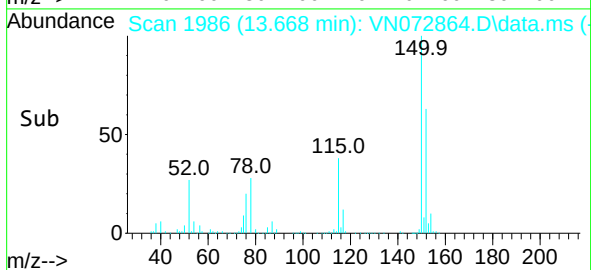
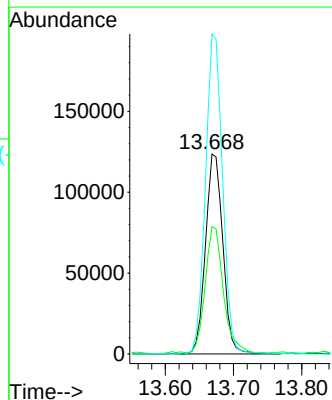
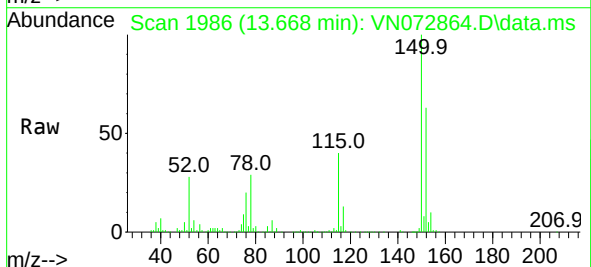
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-7-GR

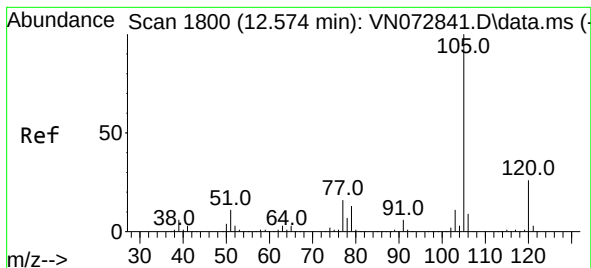
Tgt Ion:106 Resp: 27154
Ion Ratio Lower Upper
106 100
91 222.3 106.0 318.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.006 min
Lab File: VN072864.D
Acq: 15 Jun 2022 05:08

Tgt Ion:152 Resp: 219539
Ion Ratio Lower Upper
152 100
115 66.1 28.9 86.7
150 157.2 0.0 356.2





#73

Isopropylbenzene

Concen: 1.440 ug/l

RT: 12.574 min Scan# 1800

Delta R.T. 0.000 min

Lab File: VN072864.D

Acq: 15 Jun 2022 05:08

Instrument :

MSVOA_N

ClientSampleId :

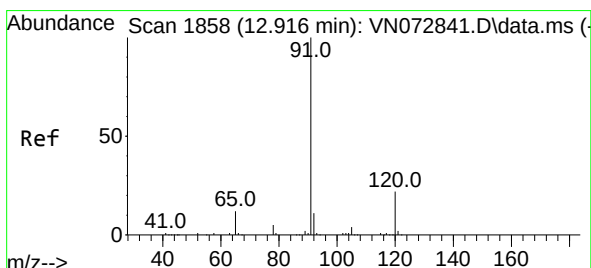
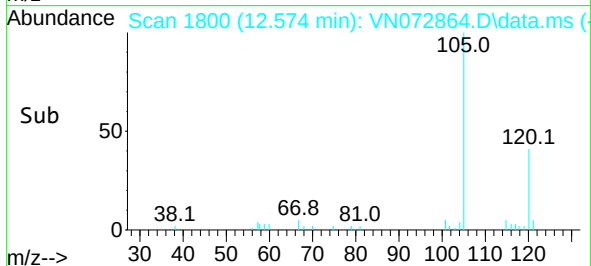
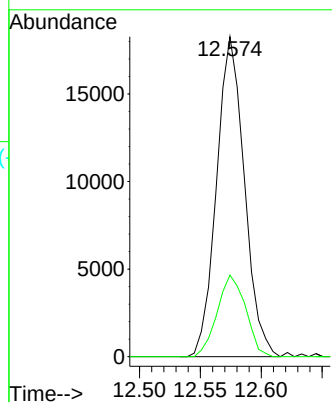
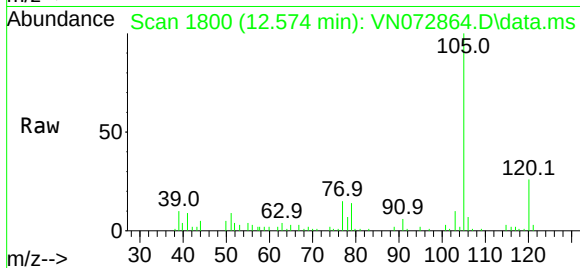
WC-14A-1A-7-GR

Tgt Ion:105 Resp: 29052

Ion Ratio Lower Upper

105 100

120 26.0 13.5 40.4



#78

n-propylbenzene

Concen: 1.245 ug/l

RT: 12.915 min Scan# 1858

Delta R.T. -0.001 min

Lab File: VN072864.D

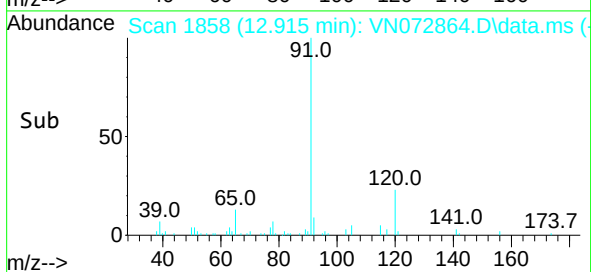
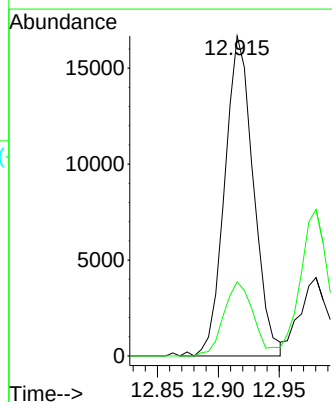
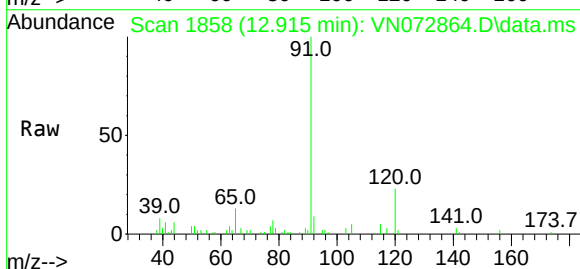
Acq: 15 Jun 2022 05:08

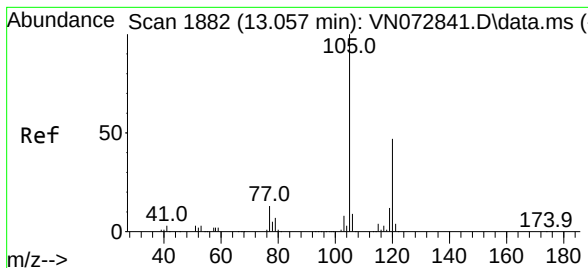
Tgt Ion: 91 Resp: 27414

Ion Ratio Lower Upper

91 100

120 24.3 11.9 35.5





#80

1,3,5-Trimethylbenzene

Concen: 3.239 ug/l

RT: 13.057 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN072864.D

Acq: 15 Jun 2022 05:08

Instrument :

MSVOA_N

ClientSampleId :

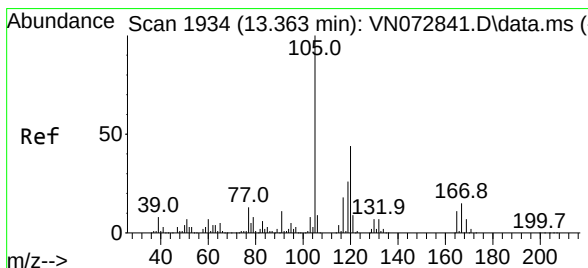
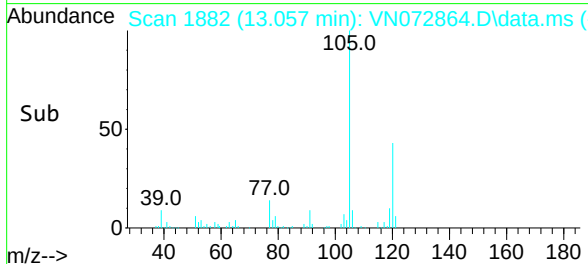
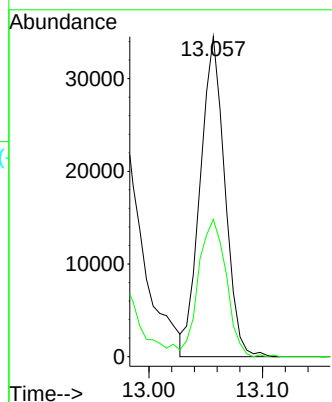
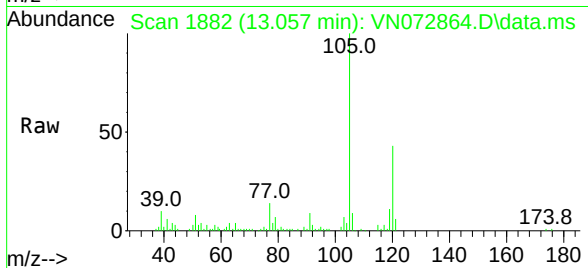
WC-14A-1A-7-GR

Tgt Ion:105 Resp: 51926

Ion Ratio Lower Upper

105 100

120 48.2 24.9 74.7



#84

1,2,4-Trimethylbenzene

Concen: 11.761 ug/l

RT: 13.363 min Scan# 1934

Delta R.T. -0.000 min

Lab File: VN072864.D

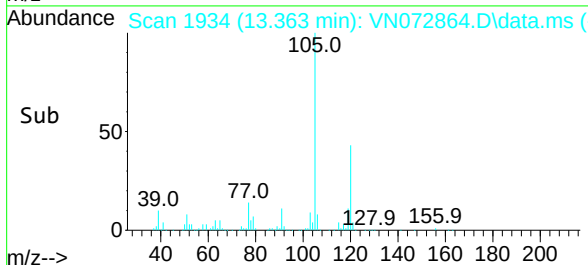
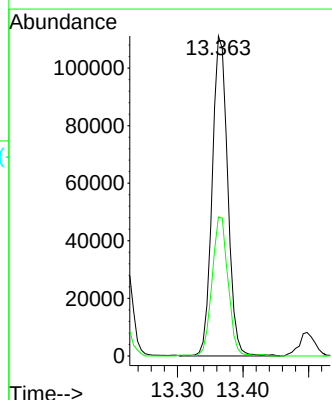
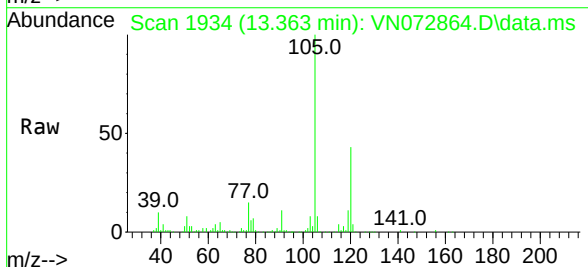
Acq: 15 Jun 2022 05:08

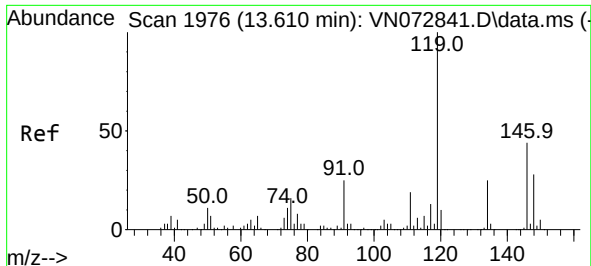
Tgt Ion:105 Resp: 182464

Ion Ratio Lower Upper

105 100

120 43.9 23.3 69.8

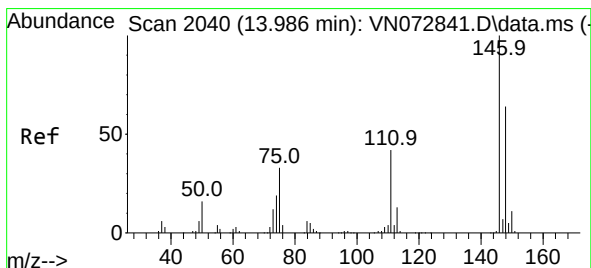
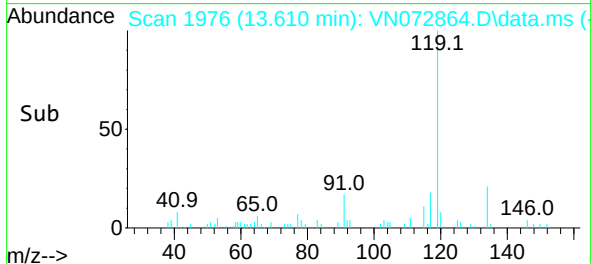
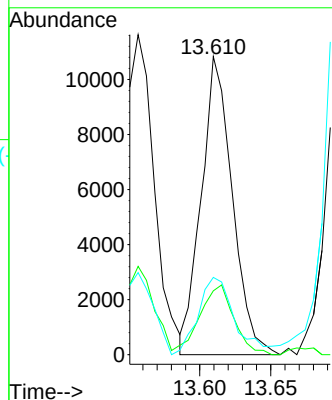
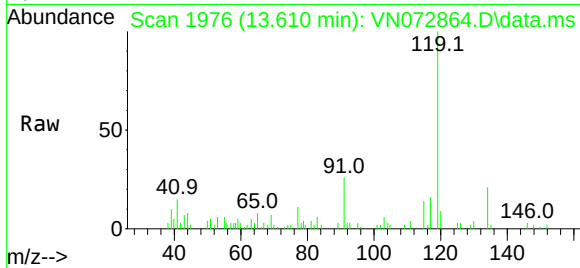




#86
 p-Isopropyltoluene
 Concen: 1.092 ug/l
 RT: 13.610 min Scan# 1976
 Delta R.T. -0.000 min
 Lab File: VN072864.D
 Acq: 15 Jun 2022 05:08

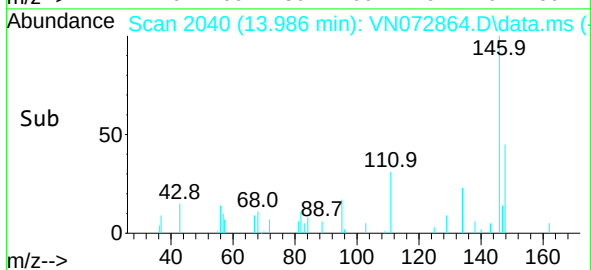
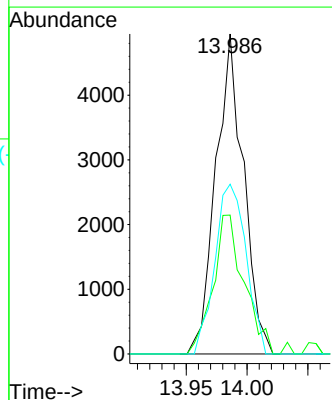
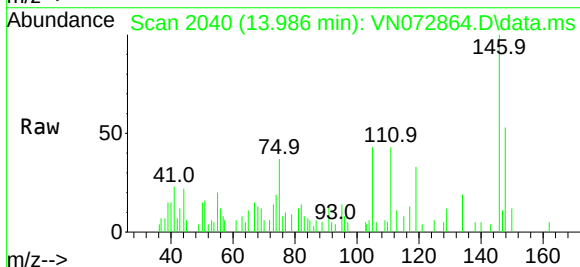
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-14A-1A-7-GR

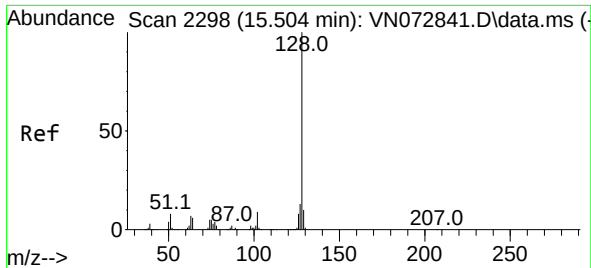
Tgt Ion:119 Resp: 16473
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.3 39.8
 91 30.5 11.3 33.9



#91
 1,2-Dichlorobenzene
 Concen: 1.028 ug/l
 RT: 13.986 min Scan# 2040
 Delta R.T. 0.000 min
 Lab File: VN072864.D
 Acq: 15 Jun 2022 05:08

Tgt Ion:146 Resp: 7841
 Ion Ratio Lower Upper
 146 100
 111 48.6 20.9 62.8
 148 59.9 32.1 96.3





#95

Naphthalene

Concen: 3.449 ug/l

RT: 15.504 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN072864.D

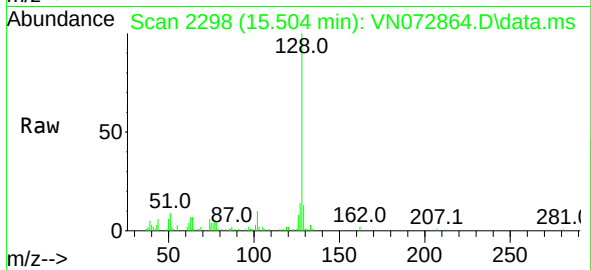
Acq: 15 Jun 2022 05:08

Instrument :

MSVOA_N

ClientSampleId :

WC-14A-1A-7-GR



Tgt Ion:128 Resp: 47623

Ion Ratio Lower Upper

128 100

127 14.3 10.3 15.5

129 10.3 8.6 13.0

