

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042822\
 Data File : VN072249.D
 Acq On : 28 Apr 2022 19:47
 Operator : JC\MD
 Sample : N2617-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14D

Quant Time: Apr 29 06:37:02 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)

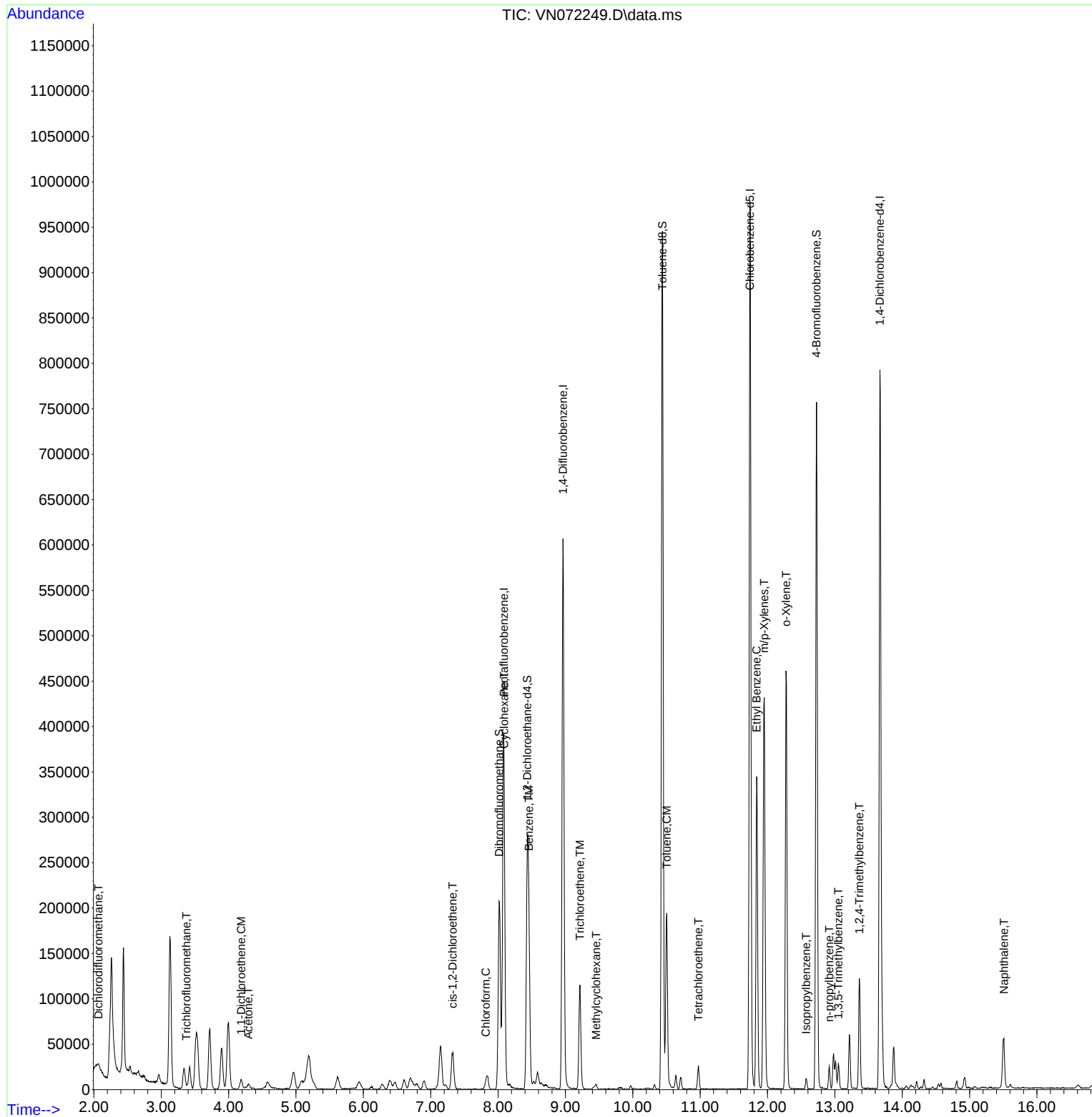
Internal Standards						
1) Pentafluorobenzene	8.086	168	265027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	496523	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	545848	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	210458	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	204322	50.217	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.440%			
35) Dibromofluoromethane	8.016	113	153271	48.228	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 96.460%			
50) Toluene-d8	10.439	98	647350	51.839	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.680%			
62) 4-Bromofluorobenzene	12.727	95	270098	65.164	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 130.320%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.069	85	1769	0.427	ug/l	86
7) Trichlorofluoromethane	3.375	101	3674	0.705	ug/l	84
12) 1,1-Dichloroethene	4.187	96	6177	2.440	ug/l	89
16) Acetone	4.293	43	8599	4.902	ug/l #	86
27) cis-1,2-Dichloroethene	7.328	96	24338	7.152	ug/l	99
30) Chloroform	7.816	83	6596	1.085	ug/l	90
31) Cyclohexane	8.092	56	15828	2.911	ug/l #	72
39) Methylcyclohexane	9.457	83	2187	0.423	ug/l #	66
40) Benzene	8.457	78	135257	9.427	ug/l	97
44) Trichloroethene	9.216	130	39915	11.959	ug/l	86
52) Toluene	10.504	92	80948	9.437	ug/l	97
64) Tetrachloroethene	10.974	164	5398	1.643	ug/l #	92
67) Ethyl Benzene	11.839	91	255471	13.282	ug/l	97
68) m/p-Xylenes	11.951	106	142015	19.884	ug/l	89
69) o-Xylene	12.274	106	123288	17.806	ug/l	88
73) Isopropylbenzene	12.574	105	8484	0.456	ug/l	95
78) n-propylbenzene	12.915	91	19768	0.965	ug/l	97
80) 1,3,5-Trimethylbenzene	13.051	105	14449	0.933	ug/l	92
84) 1,2,4-Trimethylbenzene	13.363	105	71016	4.741	ug/l	97
95) Naphthalene	15.509	128	61191	9.430	ug/l	99

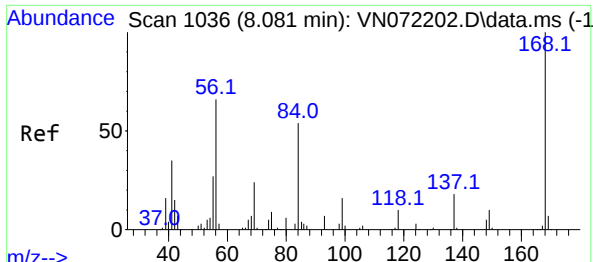
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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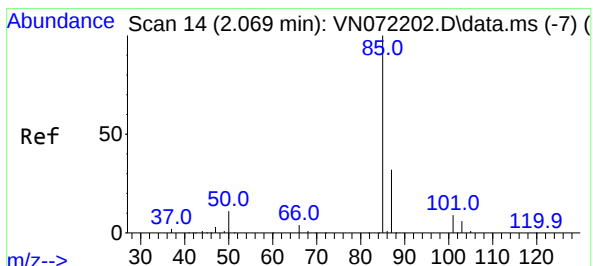
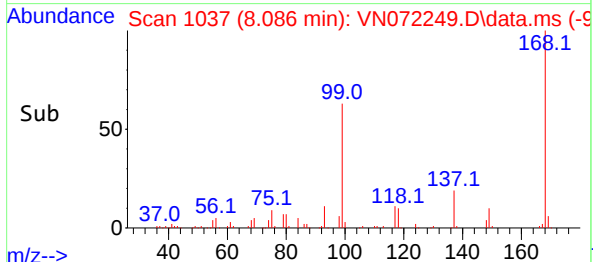
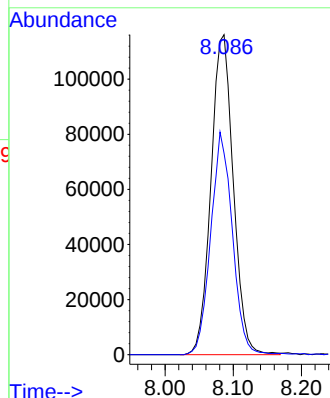
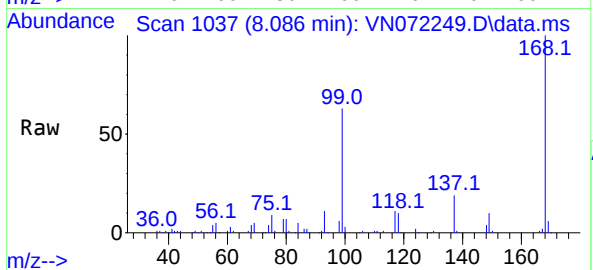




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN072249.D
Acq: 28 Apr 2022 19:47

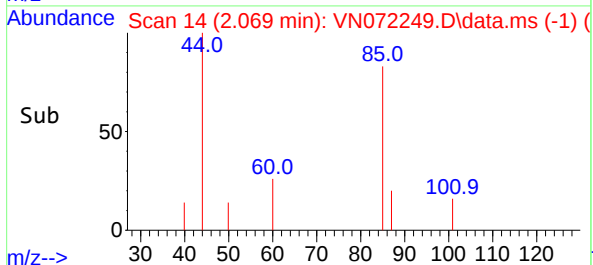
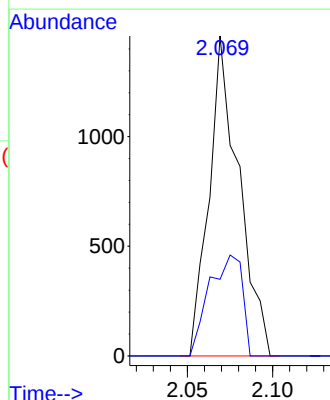
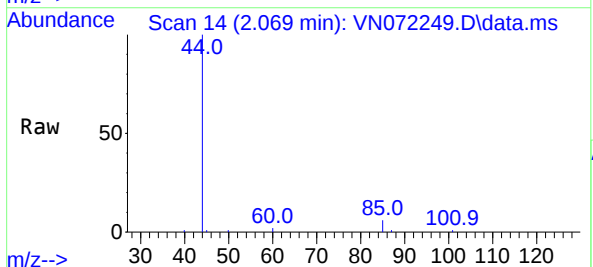
Instrument :
MSVOA_N
ClientSampleId :
MW-14D

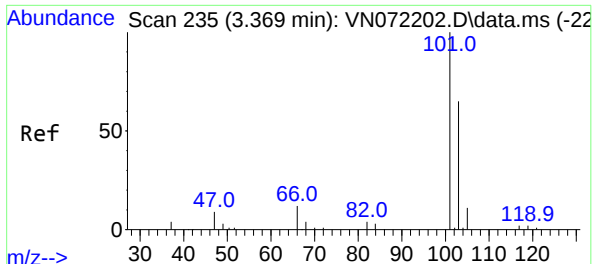
Tgt Ion:168 Resp: 265027
Ion Ratio Lower Upper
168 100
99 63.0 42.3 63.5



#2
Dichlorodifluoromethane
Concen: 0.427 ug/l
RT: 2.069 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN072249.D
Acq: 28 Apr 2022 19:47

Tgt Ion: 85 Resp: 1769
Ion Ratio Lower Upper
85 100
87 23.9 15.7 47.1

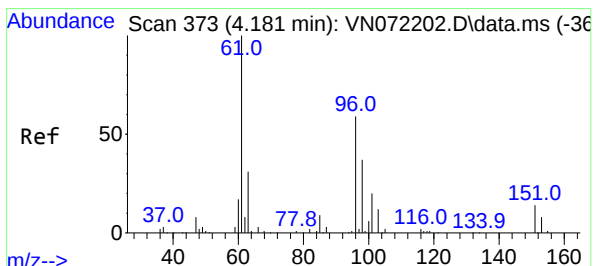
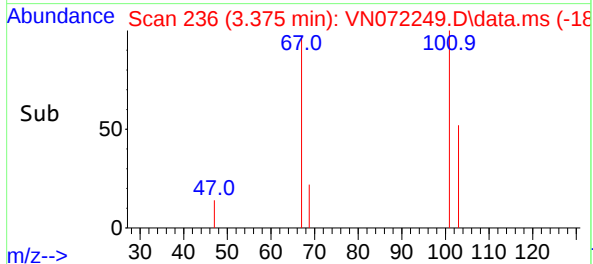
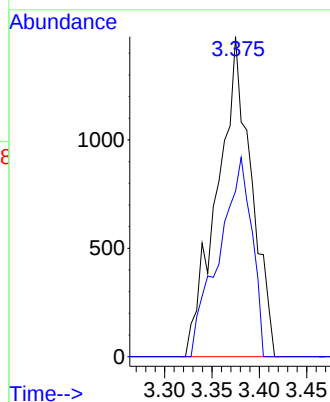
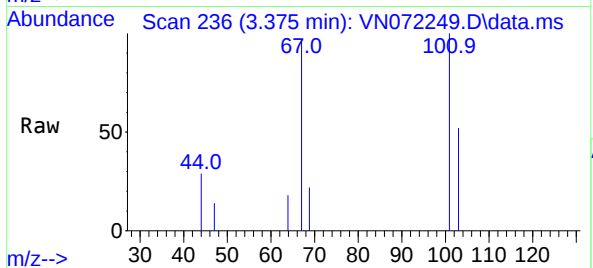




#7
Trichlorofluoromethane
Concen: 0.705 ug/l
RT: 3.375 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN072249.D
Acq: 28 Apr 2022 19:47

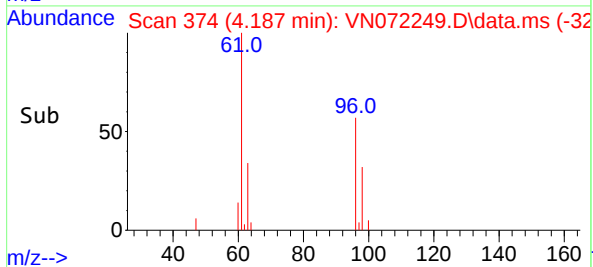
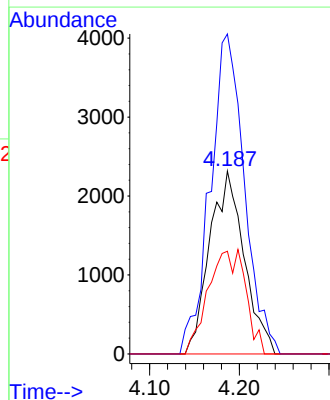
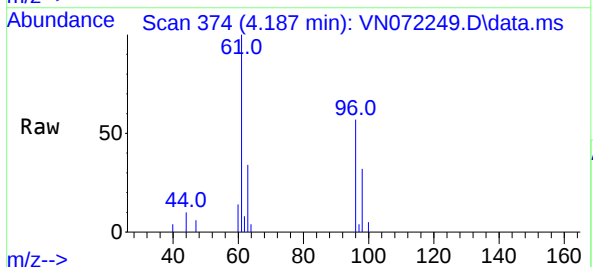
Instrument :
MSVOA_N
ClientSampleId :
MW-14D

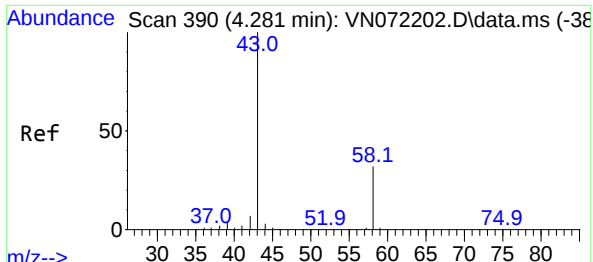
Tgt Ion:101 Resp: 3674
Ion Ratio Lower Upper
101 100
103 51.7 51.5 77.3



#12
1,1-Dichloroethene
Concen: 2.440 ug/l
RT: 4.187 min Scan# 374
Delta R.T. 0.006 min
Lab File: VN072249.D
Acq: 28 Apr 2022 19:47

Tgt Ion: 96 Resp: 6177
Ion Ratio Lower Upper
96 100
61 175.0 127.6 191.4
98 56.1 51.2 76.8

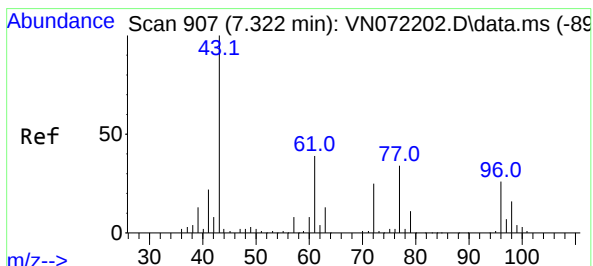
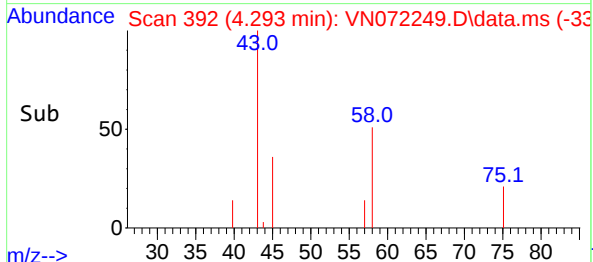
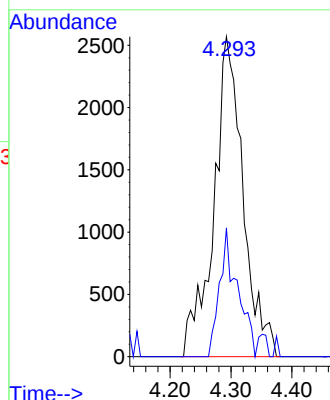
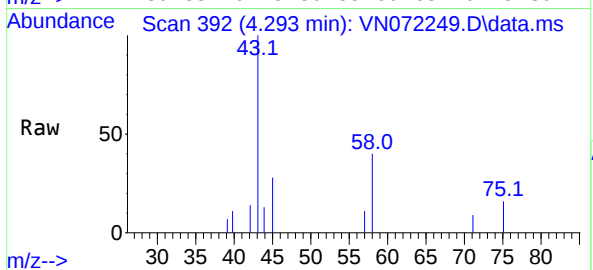




#16
Acetone
Concen: 4.902 ug/l
RT: 4.293 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN072249.D
Acq: 28 Apr 2022 19:47

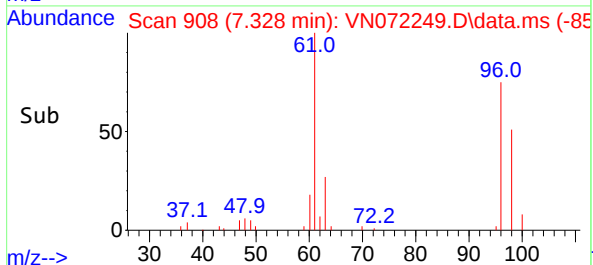
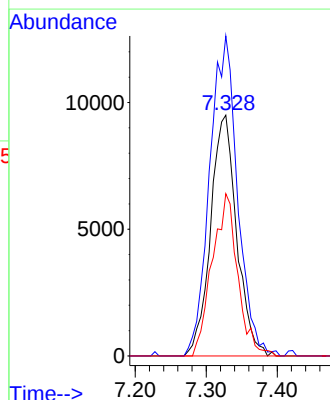
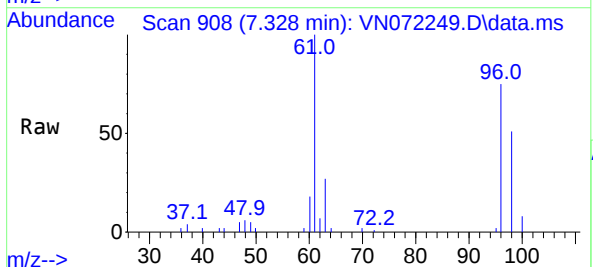
Instrument :
MSVOA_N
ClientSampleId :
MW-14D

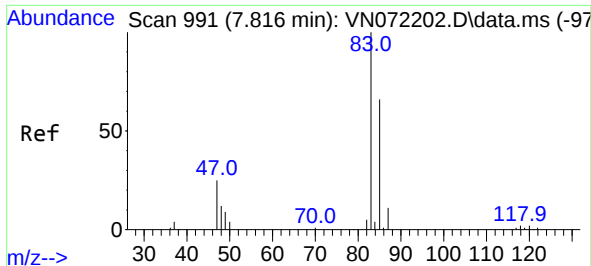
Tgt Ion: 43 Resp: 8599
Ion Ratio Lower Upper
43 100
58 40.2 26.0 39.0#



#27
cis-1,2-Dichloroethene
Concen: 7.152 ug/l
RT: 7.328 min Scan# 908
Delta R.T. 0.006 min
Lab File: VN072249.D
Acq: 28 Apr 2022 19:47

Tgt Ion: 96 Resp: 24338
Ion Ratio Lower Upper
96 100
61 141.6 0.0 280.6
98 65.7 0.0 128.4





#30

Chloroform

Concen: 1.085 ug/l

RT: 7.816 min Scan# 991

Delta R.T. -0.000 min

Lab File: VN072249.D

Acq: 28 Apr 2022 19:47

Instrument :

MSVOA_N

ClientSampleId :

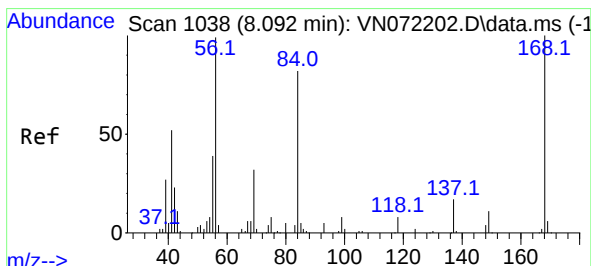
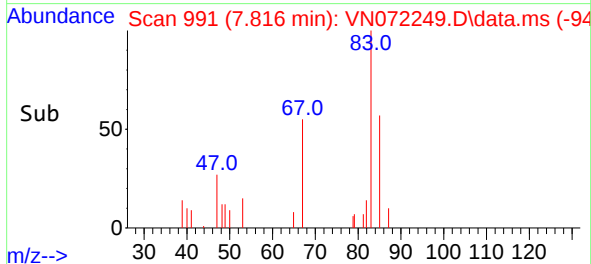
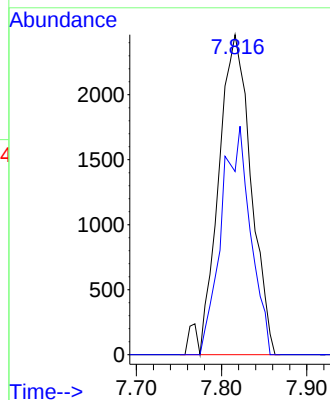
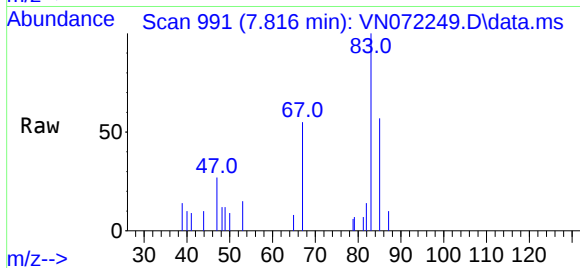
MW-14D

Tgt Ion: 83 Resp: 6596

Ion Ratio Lower Upper

83 100

85 57.2 51.8 77.8



#31

Cyclohexane

Concen: 2.911 ug/l

RT: 8.092 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VN072249.D

Acq: 28 Apr 2022 19:47

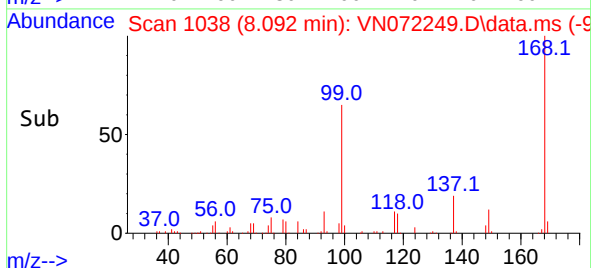
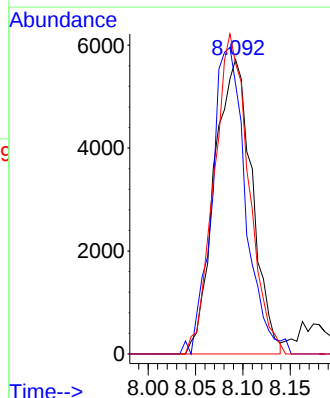
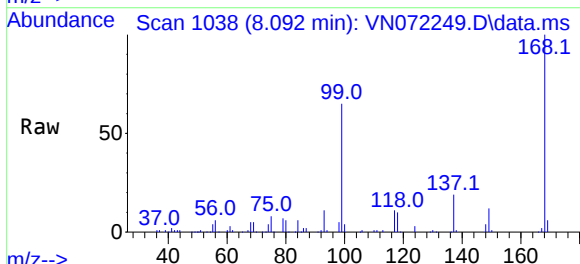
Tgt Ion: 56 Resp: 15828

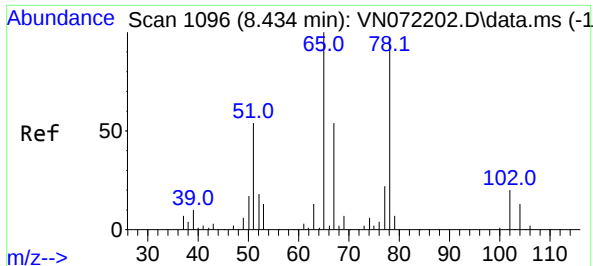
Ion Ratio Lower Upper

56 100

69 91.8 27.8 41.8#

84 98.8 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 50.217 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.001 min

Lab File: VN072249.D

Acq: 28 Apr 2022 19:47

Instrument :

MSVOA_N

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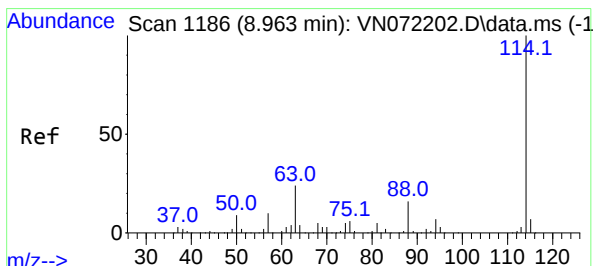
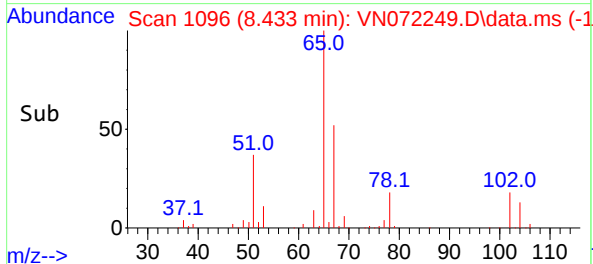
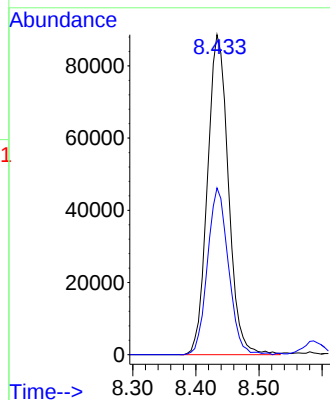
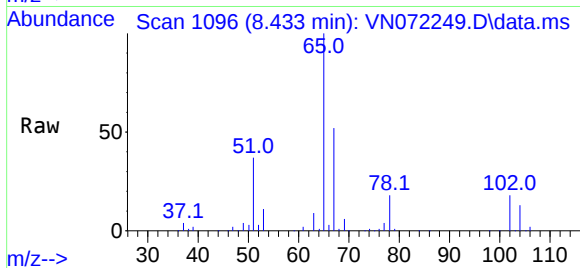
MW-14D

Tgt Ion: 65 Resp: 204322

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: VN072249.D

Acq: 28 Apr 2022 19:47

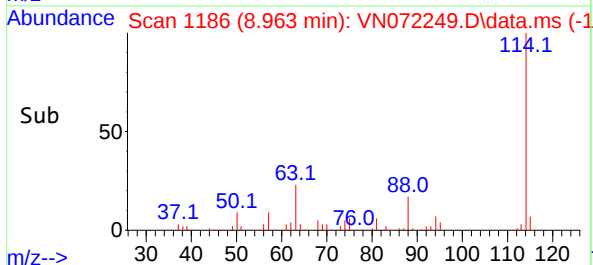
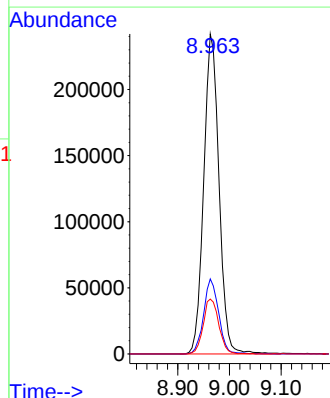
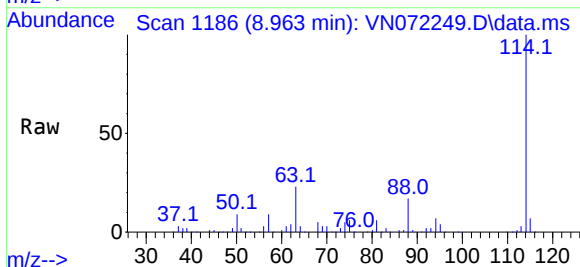
Tgt Ion: 114 Resp: 496523

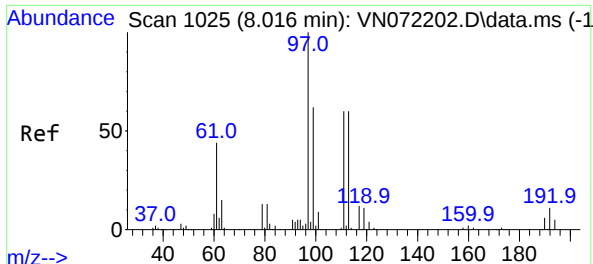
Ion Ratio Lower Upper

114 100

63 23.4 0.0 40.0

88 17.2 0.0 32.6

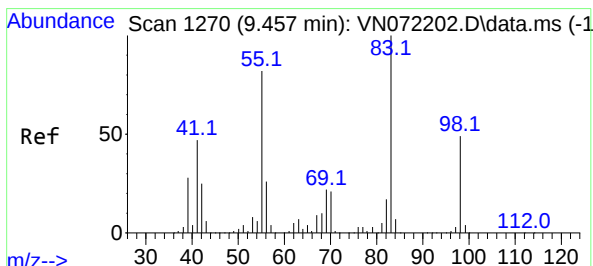
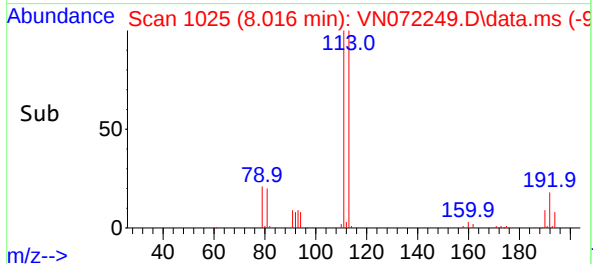
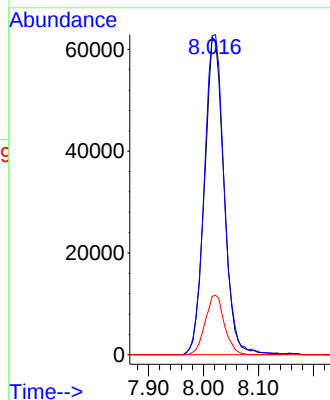
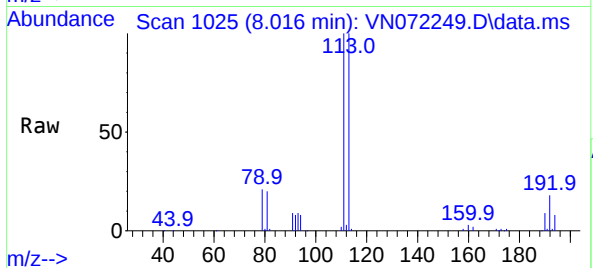




#35
Dibromofluoromethane
Concen: 48.228 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.000 min
Lab File: VN072249.D
Acq: 28 Apr 2022 19:47

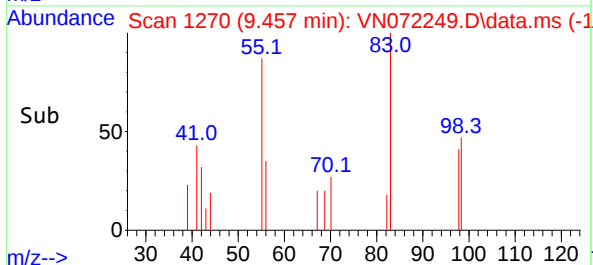
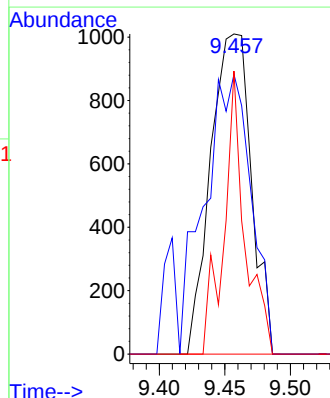
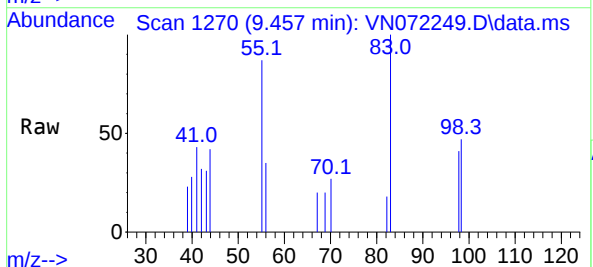
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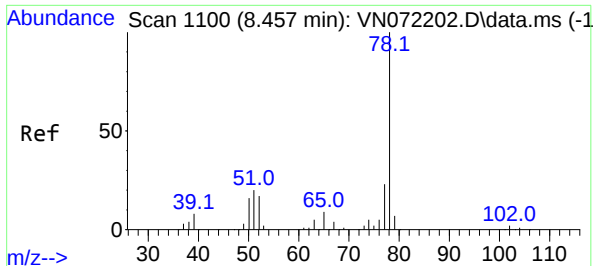
Tgt Ion:113 Resp: 153271
Ion Ratio Lower Upper
113 100
111 103.0 81.4 122.0
192 18.4 17.0 25.6



#39
Methylcyclohexane
Concen: 0.423 ug/l
RT: 9.457 min Scan# 1270
Delta R.T. -0.000 min
Lab File: VN072249.D
Acq: 28 Apr 2022 19:47

Tgt Ion: 83 Resp: 2187
Ion Ratio Lower Upper
83 100
55 87.4 57.8 86.8#
98 88.4 39.4 59.2#

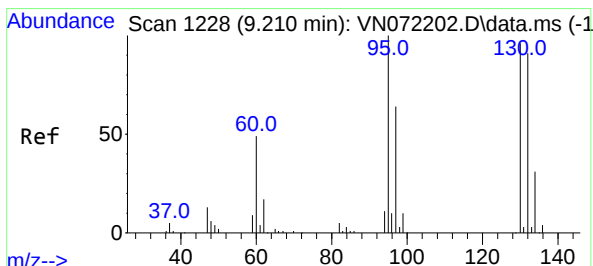
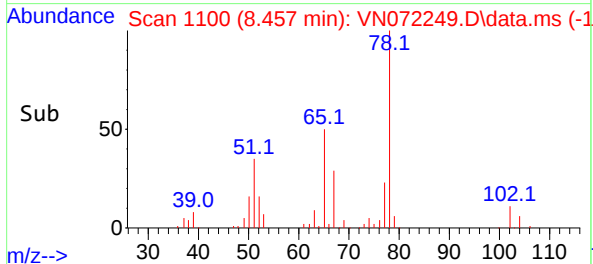
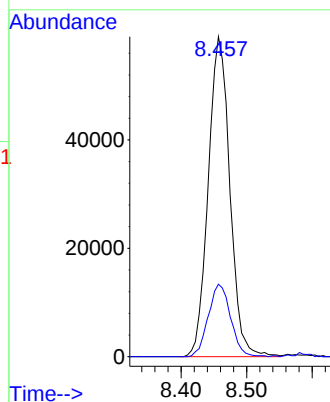
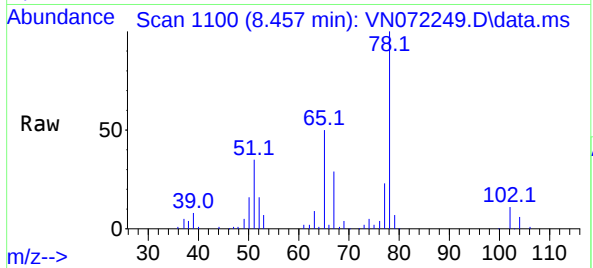




#40
Benzene
Concen: 9.427 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VN072249.D
Acq: 28 Apr 2022 19:47

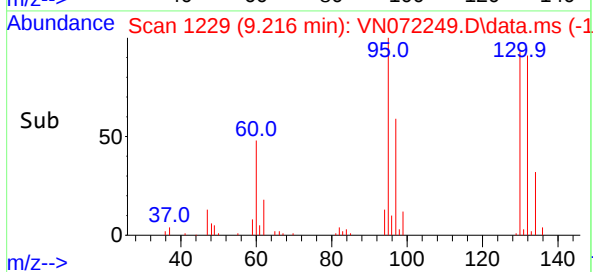
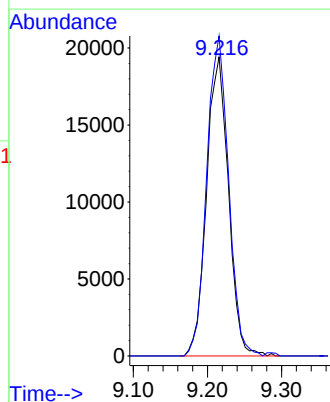
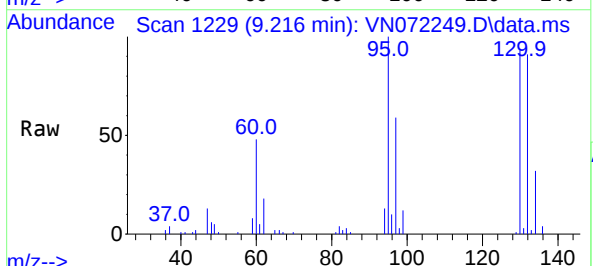
Instrument :
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MW-14D

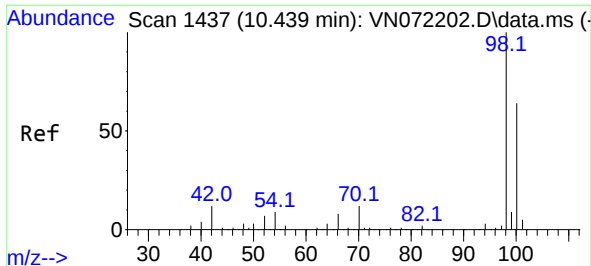
Tgt Ion: 78 Resp: 135257
Ion Ratio Lower Upper
78 100
77 22.7 19.4 29.0



#44
Trichloroethene
Concen: 11.959 ug/l
RT: 9.216 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VN072249.D
Acq: 28 Apr 2022 19:47

Tgt Ion:130 Resp: 39915
Ion Ratio Lower Upper
130 100
95 107.0 0.0 186.8

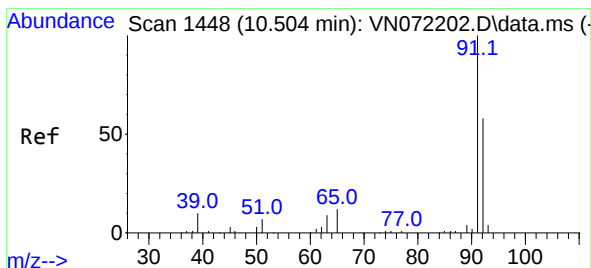
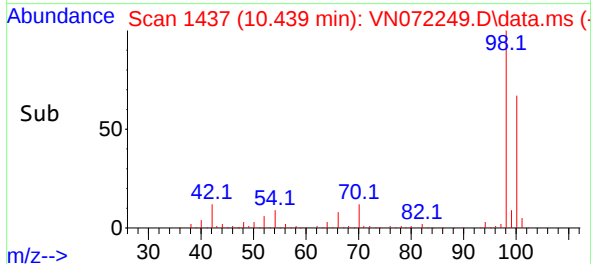
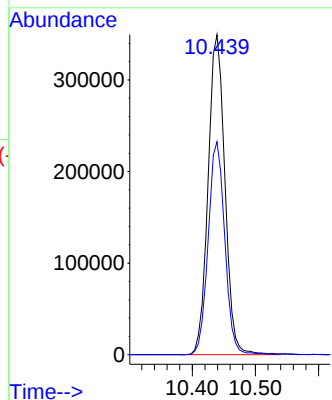
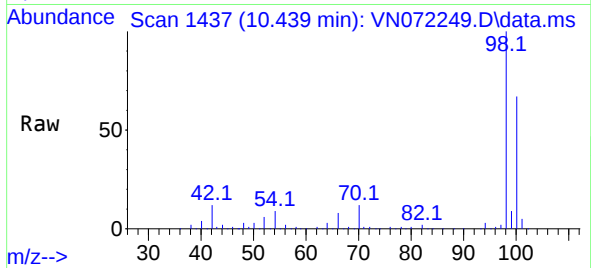




#50
Toluene-d8
Concen: 51.839 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072249.D
Acq: 28 Apr 2022 19:47

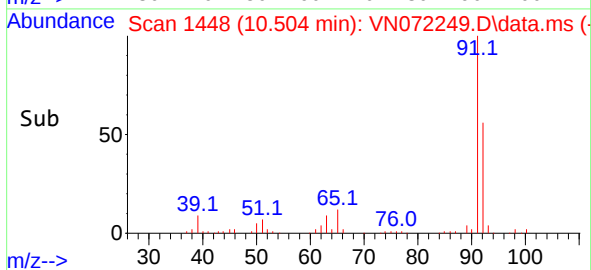
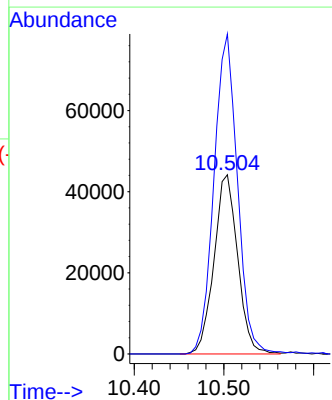
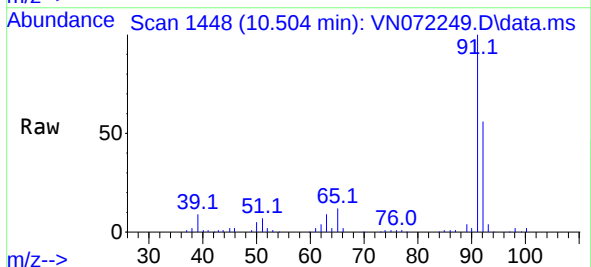
Instrument :
MSVOA_N
ClientSampleId :
MW-14D

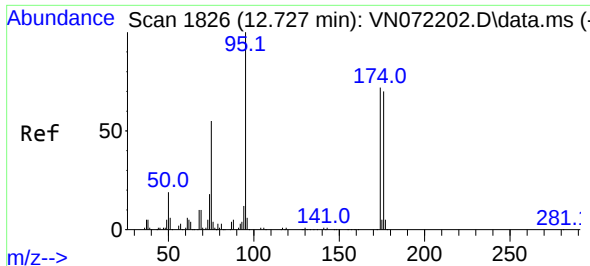
Tgt Ion: 98 Resp: 647350
Ion Ratio Lower Upper
98 100
100 65.8 52.6 78.8



#52
Toluene
Concen: 9.437 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN072249.D
Acq: 28 Apr 2022 19:47

Tgt Ion: 92 Resp: 80948
Ion Ratio Lower Upper
92 100
91 177.3 138.6 207.8

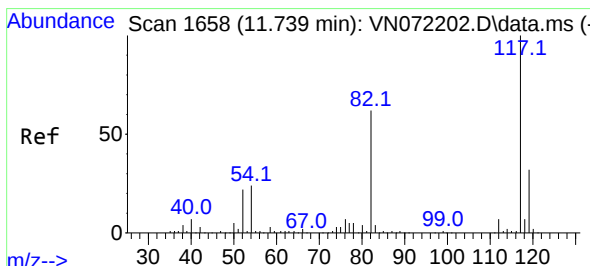
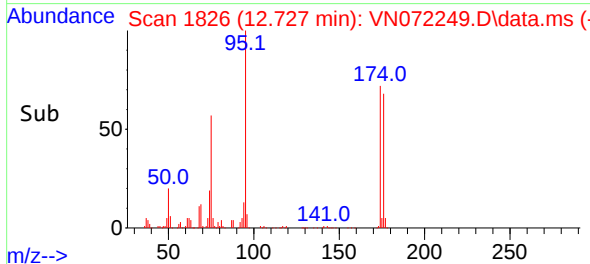
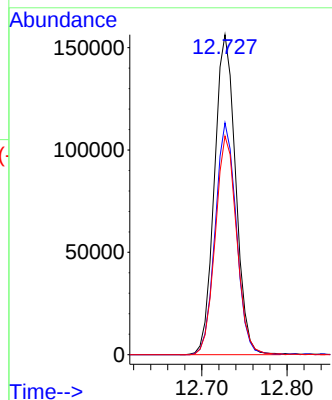
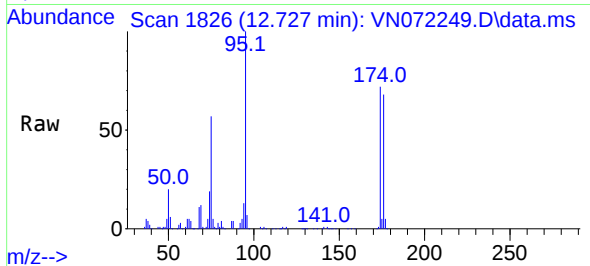




#62
4-Bromofluorobenzene
Concen: 65.164 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072249.D
Acq: 28 Apr 2022 19:47

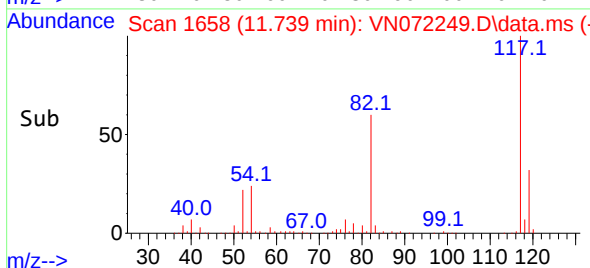
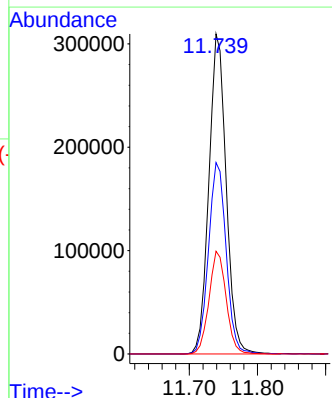
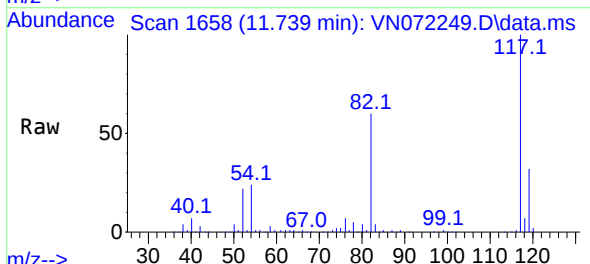
Instrument :
MSVOA_N
ClientSampleId :
MW-14D

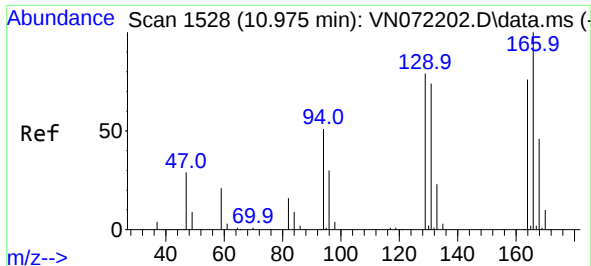
Tgt Ion: 95 Resp: 270098
Ion Ratio Lower Upper
95 100
174 72.0 0.0 167.6
176 68.9 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072249.D
Acq: 28 Apr 2022 19:47

Tgt Ion: 117 Resp: 545848
Ion Ratio Lower Upper
117 100
82 59.8 44.2 66.2
119 32.1 25.4 38.0

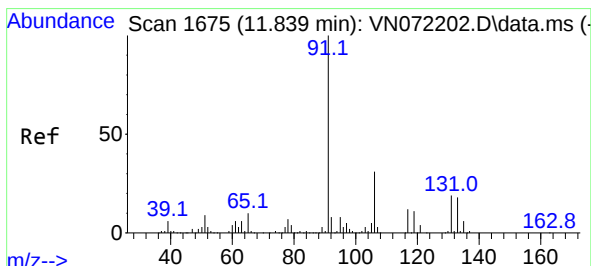
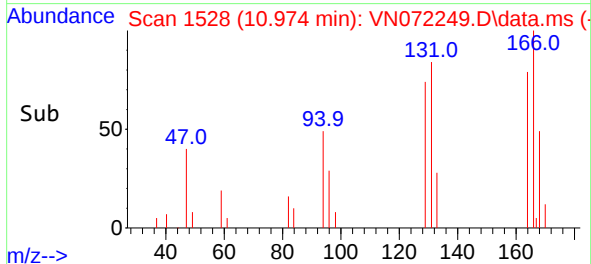
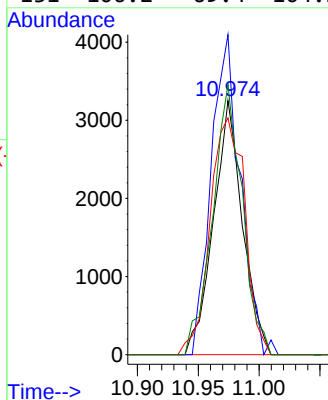
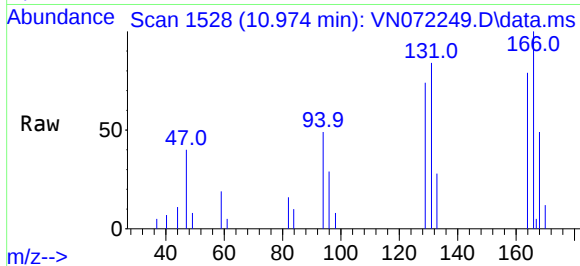




#64
Tetrachloroethene
Concen: 1.643 ug/l
RT: 10.974 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN072249.D
Acq: 28 Apr 2022 19:47

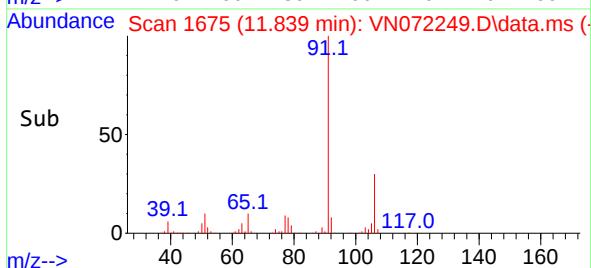
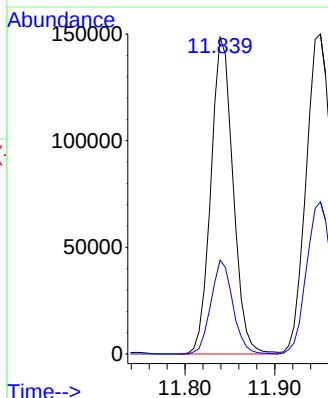
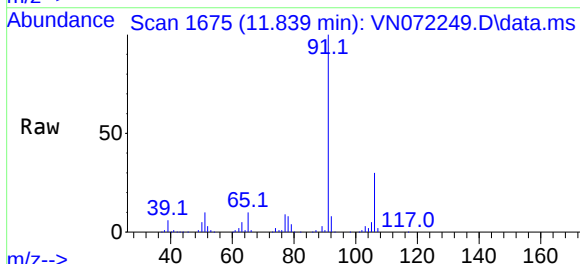
Instrument :
MSVOA_N
ClientSampleId :
MW-14D

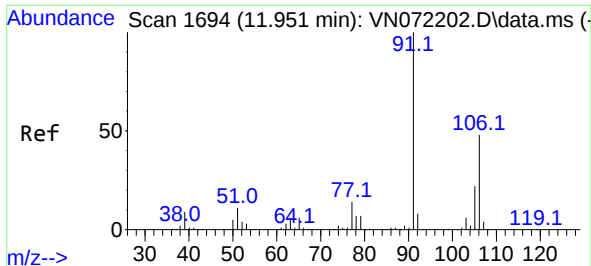
Tgt Ion:164 Resp: 5398
Ion Ratio Lower Upper
164 100
166 125.9 104.2 156.2
129 93.2 73.9 110.9
131 106.2 69.4 104.2#



#67
Ethyl Benzene
Concen: 13.282 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN072249.D
Acq: 28 Apr 2022 19:47

Tgt Ion: 91 Resp: 255471
Ion Ratio Lower Upper
91 100
106 29.6 24.9 37.3

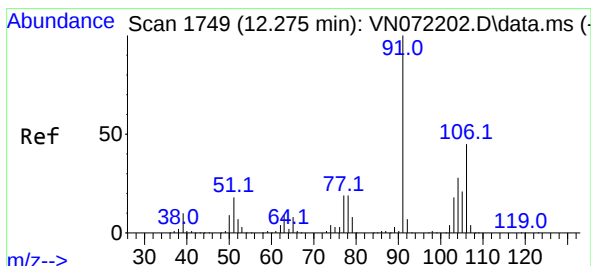
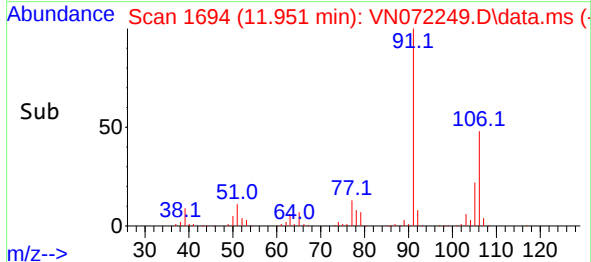
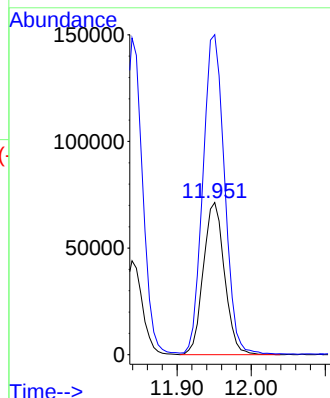
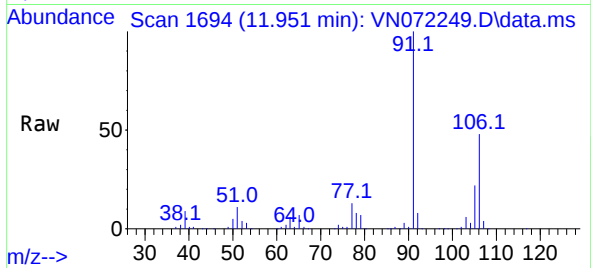




#68
m/p-Xylenes
Concen: 19.884 ug/l
RT: 11.951 min Scan# 1694
Delta R.T. -0.000 min
Lab File: VN072249.D
Acq: 28 Apr 2022 19:47

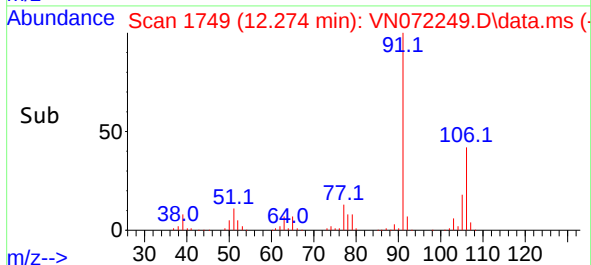
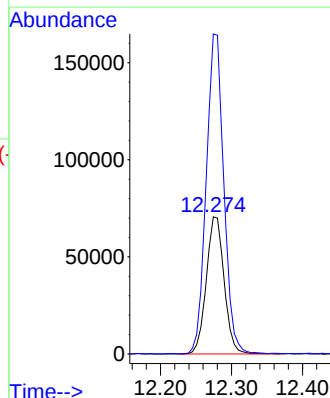
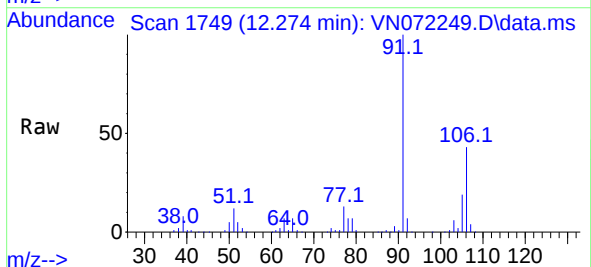
Instrument :
MSVOA_N
ClientSampleId :
MW-14D

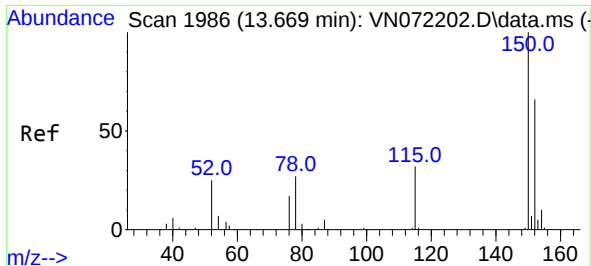
Tgt Ion:106 Resp: 142015
Ion Ratio Lower Upper
106 100
91 214.5 158.9 238.3



#69
o-Xylene
Concen: 17.806 ug/l
RT: 12.274 min Scan# 1749
Delta R.T. -0.001 min
Lab File: VN072249.D
Acq: 28 Apr 2022 19:47

Tgt Ion:106 Resp: 123288
Ion Ratio Lower Upper
106 100
91 230.7 106.0 318.0

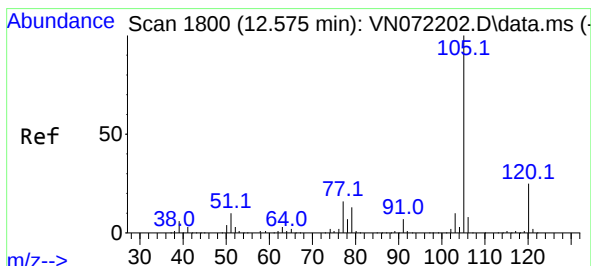
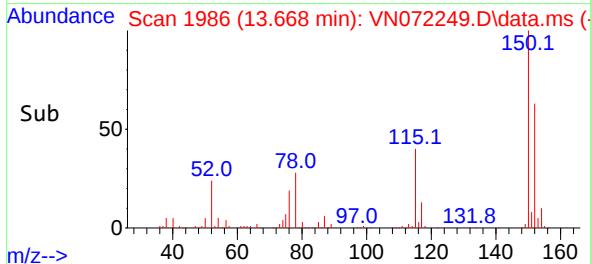
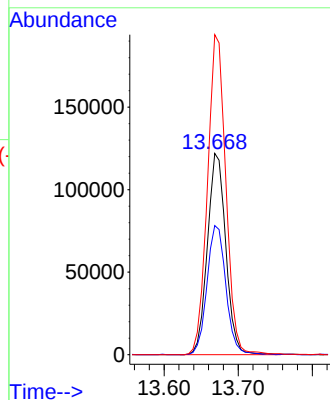
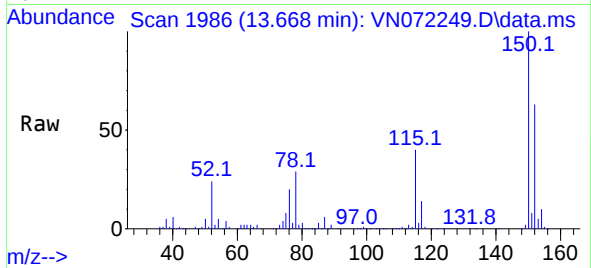




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN072249.D
Acq: 28 Apr 2022 19:47

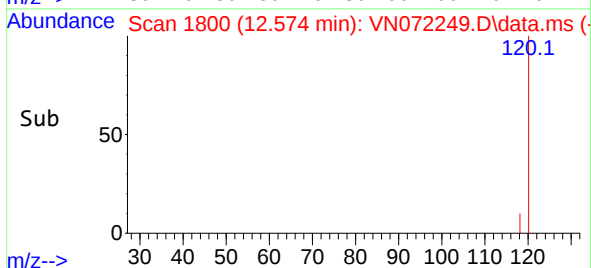
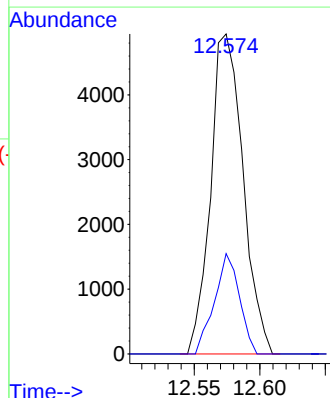
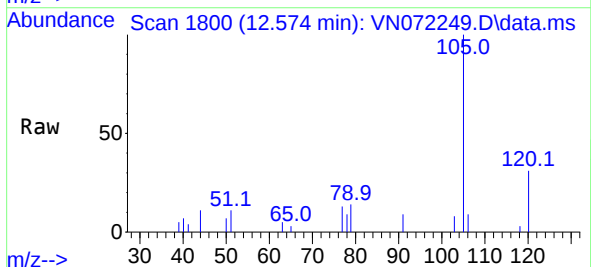
Instrument :
MSVOA_N
ClientSampleId :
MW-14D

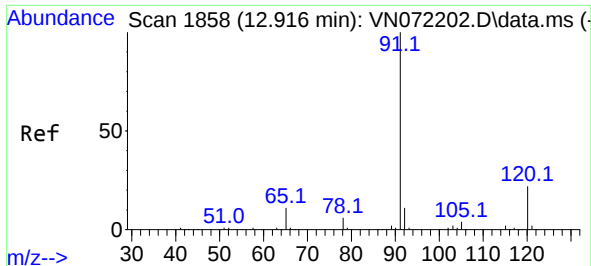
Tgt Ion:152 Resp: 210458
Ion Ratio Lower Upper
152 100
115 66.0 28.9 86.7
150 159.0 0.0 356.2



#73
Isopropylbenzene
Concen: 0.456 ug/l
RT: 12.574 min Scan# 1800
Delta R.T. -0.001 min
Lab File: VN072249.D
Acq: 28 Apr 2022 19:47

Tgt Ion:105 Resp: 8484
Ion Ratio Lower Upper
105 100
120 24.1 13.5 40.4

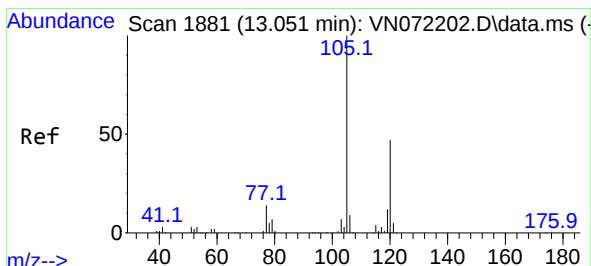
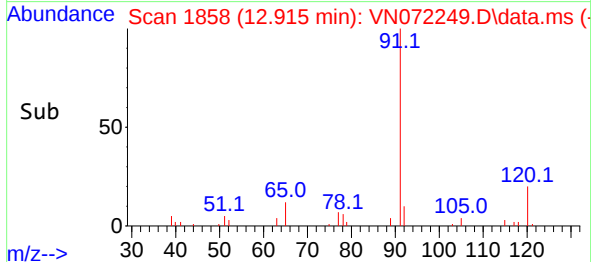
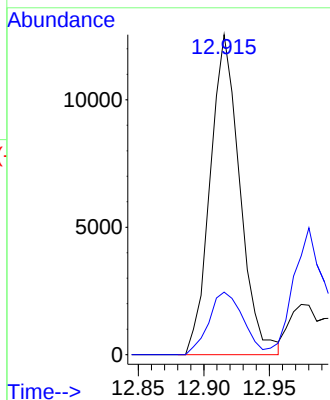
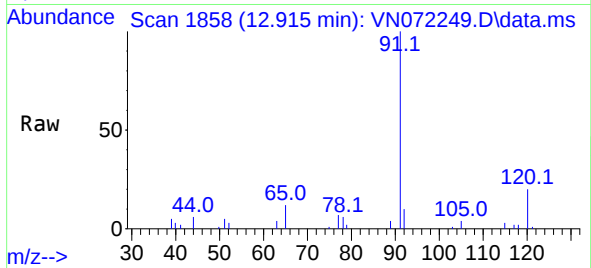




#78
n-propylbenzene
Concen: 0.965 ug/l
RT: 12.915 min Scan# 1858
Delta R.T. -0.001 min
Lab File: VN072249.D
Acq: 28 Apr 2022 19:47

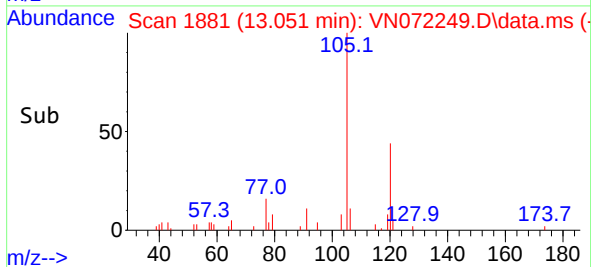
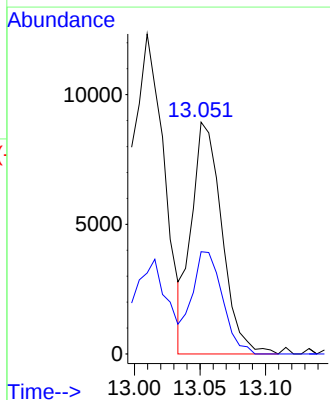
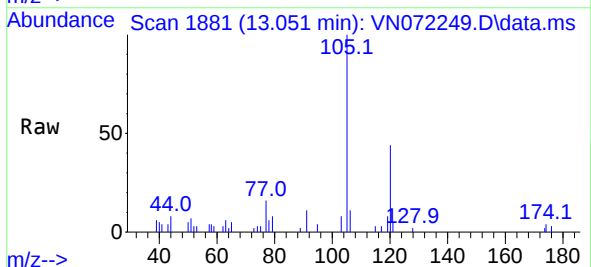
Instrument :
MSVOA_N
ClientSampleId :
MW-14D

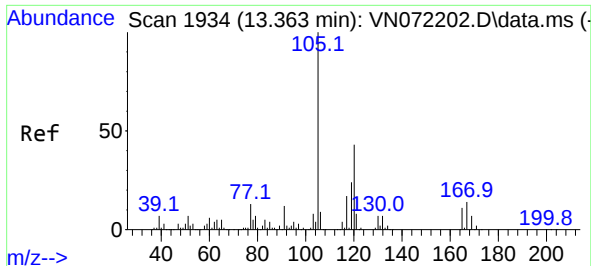
Tgt Ion: 91 Resp: 19768
Ion Ratio Lower Upper
91 100
120 22.5 11.9 35.5



#80
1,3,5-Trimethylbenzene
Concen: 0.933 ug/l
RT: 13.051 min Scan# 1881
Delta R.T. -0.000 min
Lab File: VN072249.D
Acq: 28 Apr 2022 19:47

Tgt Ion: 105 Resp: 14449
Ion Ratio Lower Upper
105 100
120 44.6 24.9 74.7

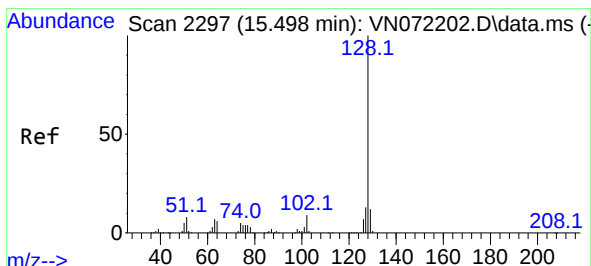
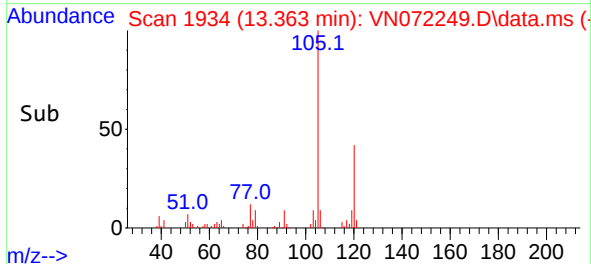
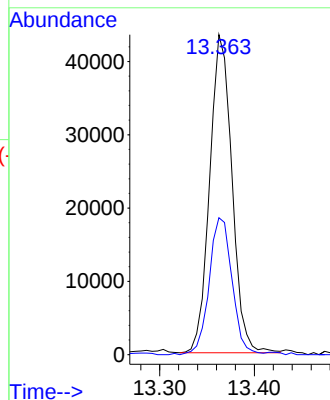
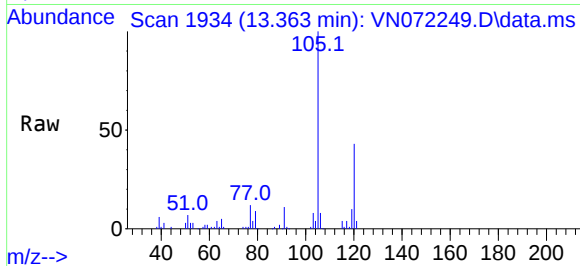




#84
1,2,4-Trimethylbenzene
Concen: 4.741 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN072249.D
Acq: 28 Apr 2022 19:47

Instrument :
MSVOA_N
ClientSampleId :
MW-14D

Tgt Ion:105 Resp: 71016
Ion Ratio Lower Upper
105 100
120 44.2 23.3 69.8



#95
Naphthalene
Concen: 9.430 ug/l
RT: 15.509 min Scan# 2299
Delta R.T. 0.011 min
Lab File: VN072249.D
Acq: 28 Apr 2022 19:47

Tgt Ion:128 Resp: 61191
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 11.0 8.6 13.0

