

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062922\
 Data File : VN073248.D
 Acq On : 29 Jun 2022 17:18
 Operator : JC\MD
 Sample : N3409-07DL 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3DL

Quant Time: Jun 30 07:00:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

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

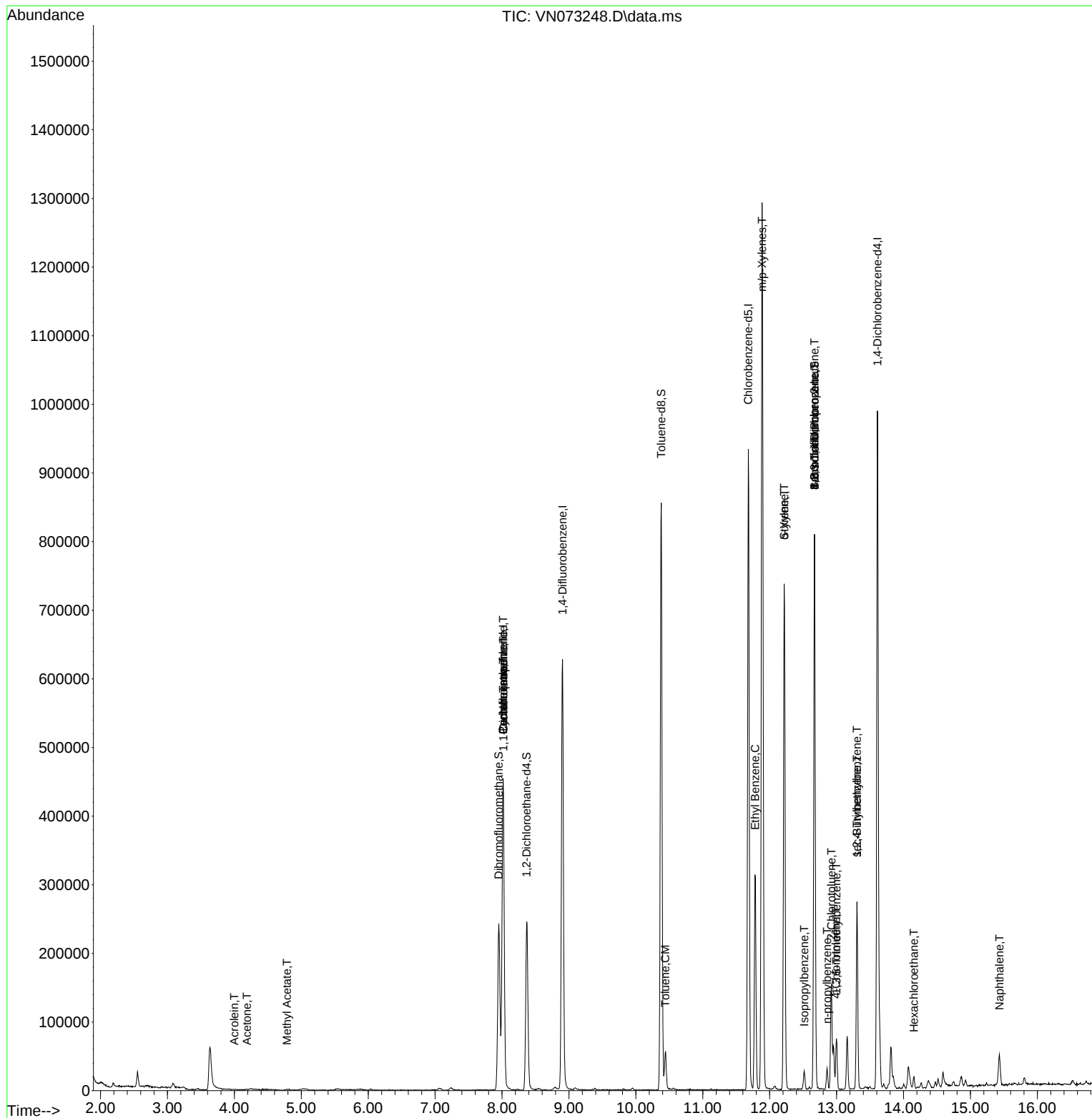
Internal Standards						
1) Pentafluorobenzene	8.016	168	349691	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	567536	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	527693	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	264916	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	210863	41.770	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	83.540%		
35) Dibromofluoromethane	7.951	113	178926	47.386	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.780%		
50) Toluene-d8	10.381	98	594086	44.299	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	88.600%		
62) 4-Bromofluorobenzene	12.669	95	269671	52.326	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.660%		
Target Compounds					Qvalue	
13) Acrolein	3.999	56	157	0.203	ug/l #	73
16) Acetone	4.187	43	602	0.212	ug/l #	42
18) Methyl Acetate	4.787	43	2986	0.376	ug/l #	57
31) Cyclohexane	8.016	56	8537	1.033	ug/l #	38
36) 1,1-Dichloropropene	8.022	75	27564	4.744	ug/l #	48
38) Carbon Tetrachloride	8.016	117	36182	6.022	ug/l #	17
52) Toluene	10.439	92	22261	2.009	ug/l	100
67) Ethyl Benzene	11.780	91	228495	10.546	ug/l	100
68) m/p-Xylenes	11.886	106	414810	50.729	ug/l	97
69) o-Xylene	12.216	106	201598	24.151	ug/l	96
70) Styrene	12.216	104	10809	0.839	ug/l #	1
71) Bromoform	12.669	173	1967	0.612	ug/l #	1
73) Isopropylbenzene	12.516	105	15520	0.678	ug/l	95
76) 1,2,3-Trichloropropane	12.669	75	138681	20.020	ug/l #	1
78) n-propylbenzene	12.857	91	23130	0.910	ug/l	94
79) 2-Chlorotoluene	12.922	91	16666	1.036	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.998	105	39062	2.095	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.669	75	138681	54.905	ug/l #	10
82) 4-Chlorotoluene	12.992	91	3912	0.251	ug/l #	40
84) 1,2,4-Trimethylbenzene	13.304	105	147553	7.926	ug/l	98
85) sec-Butylbenzene	13.304	105	147553	6.573	ug/l #	56
90) Hexachloroethane	14.157	117	787	0.233	ug/l #	9
95) Naphthalene	15.433	128	38666	1.894	ug/l	99

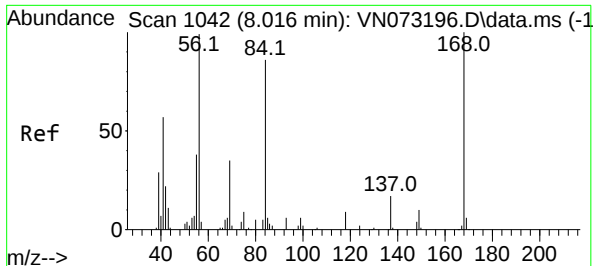
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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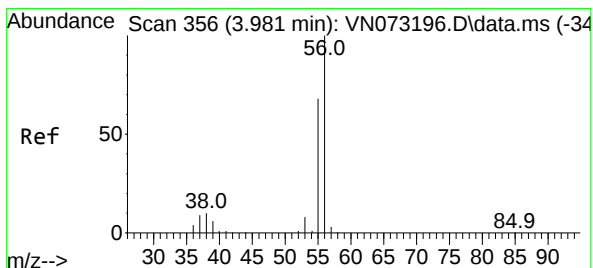
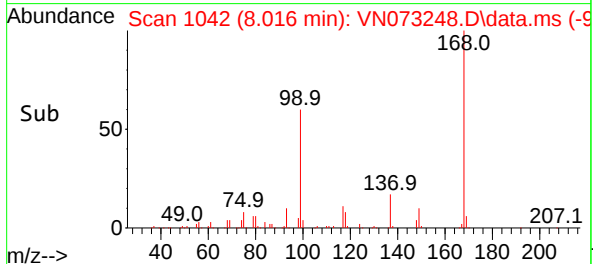
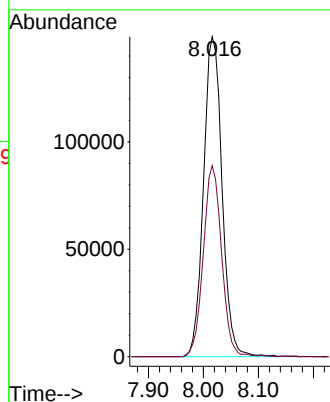
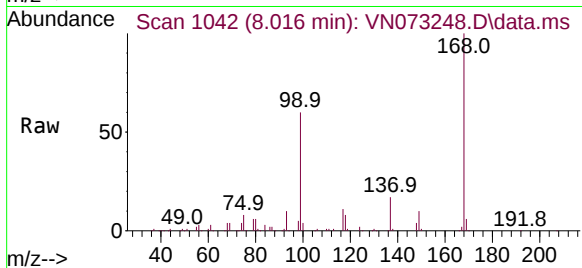




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073248.D
Acq: 29 Jun 2022 17:18

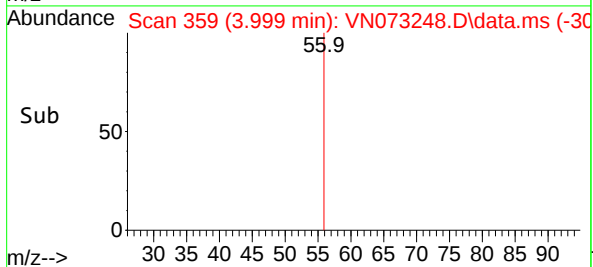
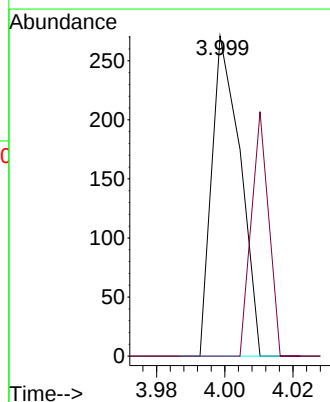
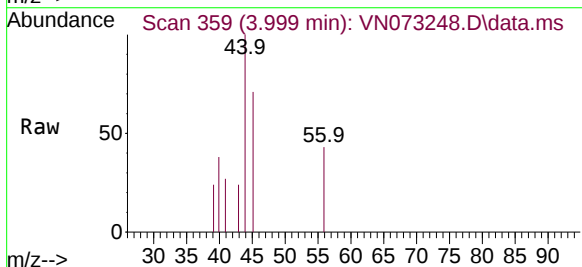
Instrument :
MSVOA_N
ClientSampleId :
MW-3DL

Tgt Ion:168 Resp: 349691
Ion Ratio Lower Upper
168 100
99 59.7 42.3 63.5



#13
Acrolein
Concen: 0.203 ug/l
RT: 3.999 min Scan# 359
Delta R.T. 0.018 min
Lab File: VN073248.D
Acq: 29 Jun 2022 17:18

Tgt Ion: 56 Resp: 157
Ion Ratio Lower Upper
56 100
55 46.5 54.8 82.2#





#16

Acetone

Concen: 0.212 ug/l

RT: 4.187 min Scan# 391

Delta R.T. -0.035 min

Lab File: VN073248.D

Acq: 29 Jun 2022 17:18

Instrument :

MSVOA_N

ClientSampleId :

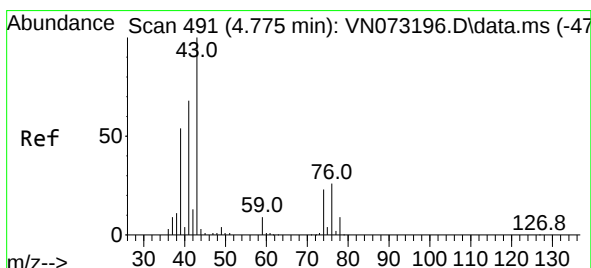
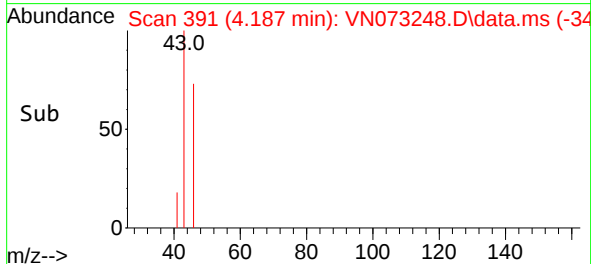
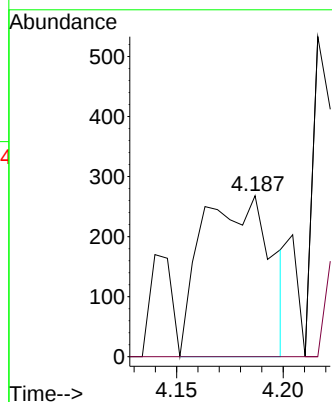
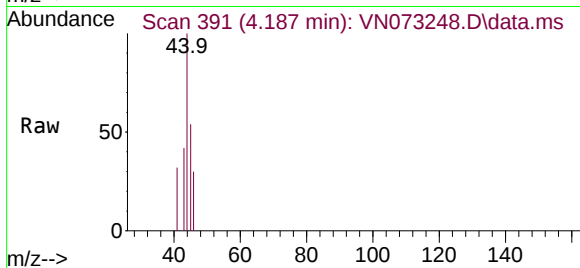
MW-3DL

Tgt Ion: 43 Resp: 602

Ion Ratio Lower Upper

43 100

58 0.0 26.0 39.0#



#18

Methyl Acetate

Concen: 0.376 ug/l

RT: 4.787 min Scan# 493

Delta R.T. 0.012 min

Lab File: VN073248.D

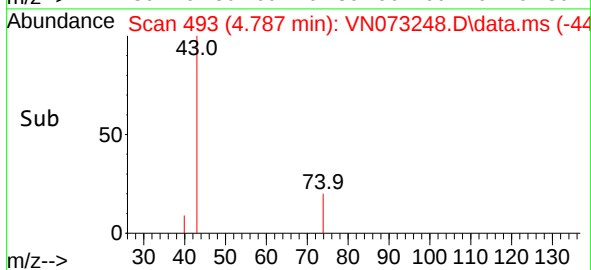
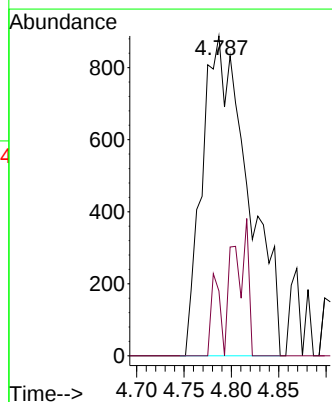
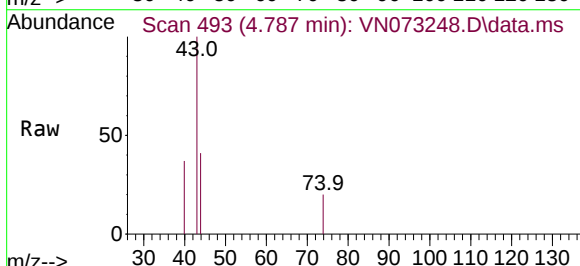
Acq: 29 Jun 2022 17:18

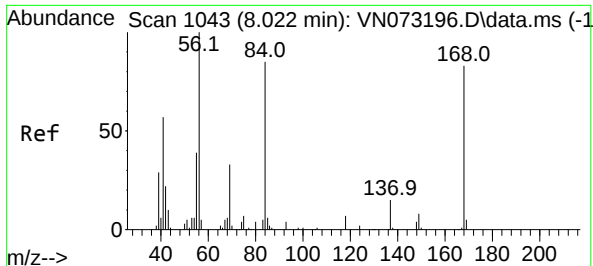
Tgt Ion: 43 Resp: 2986

Ion Ratio Lower Upper

43 100

74 4.8 21.6 32.4#

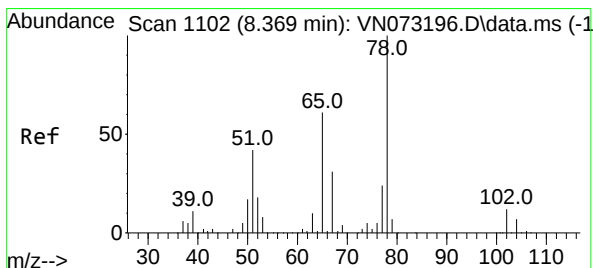
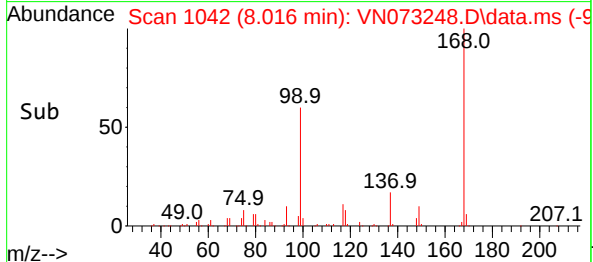
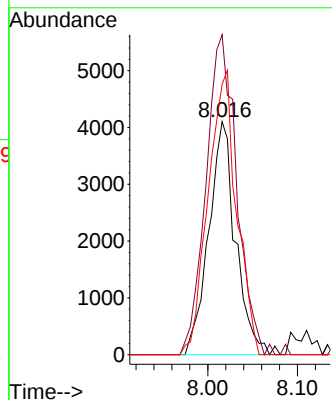
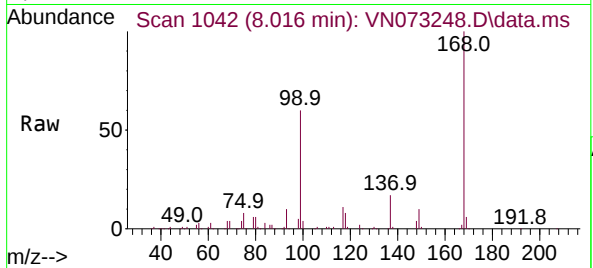




#31
Cyclohexane
Concen: 1.033 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073248.D
Acq: 29 Jun 2022 17:18

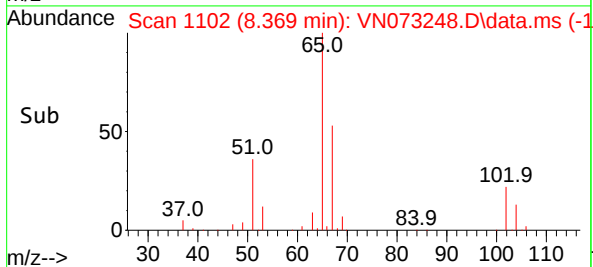
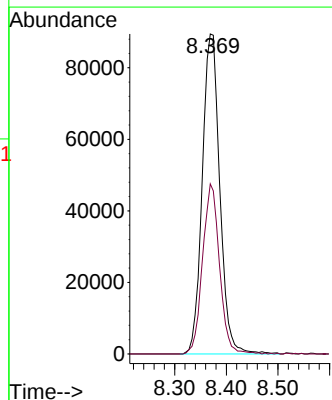
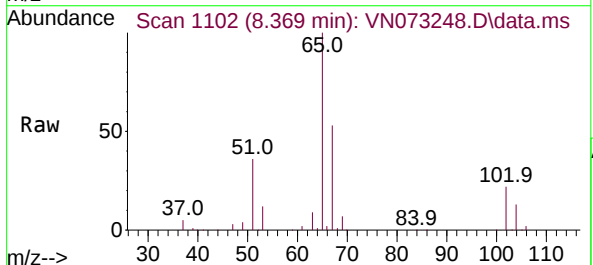
Instrument :
MSVOA_N
ClientSampleId :
MW-3DL

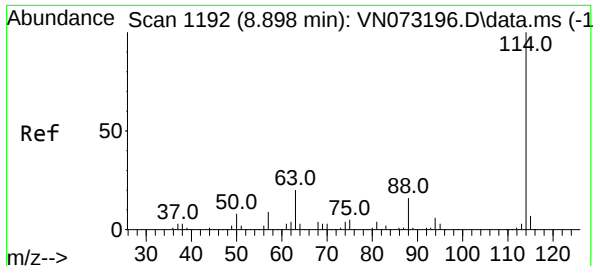
Tgt Ion: 56 Resp: 8537
Ion Ratio Lower Upper
56 100
69 137.4 27.8 41.8#
84 116.1 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 41.770 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073248.D
Acq: 29 Jun 2022 17:18

Tgt Ion: 65 Resp: 210863
Ion Ratio Lower Upper
65 100
67 51.4 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.006 min

Lab File: VN073248.D

Acq: 29 Jun 2022 17:18

Instrument :

MSVOA_N

ClientSampleId :

MW-3DL

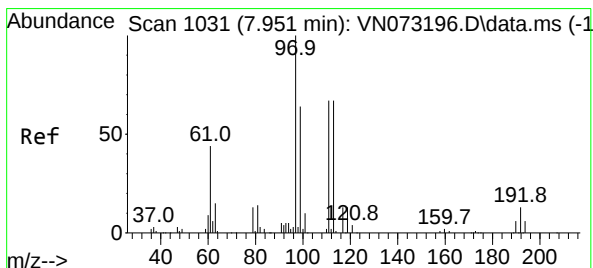
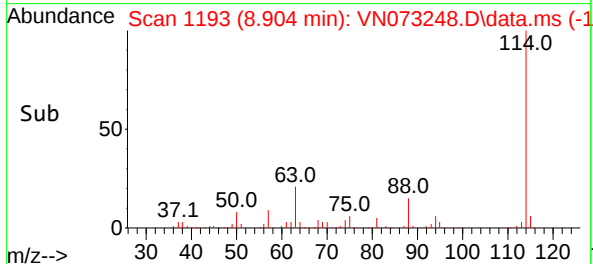
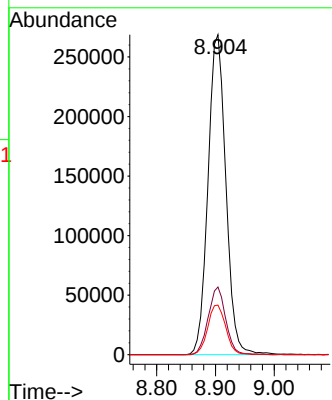
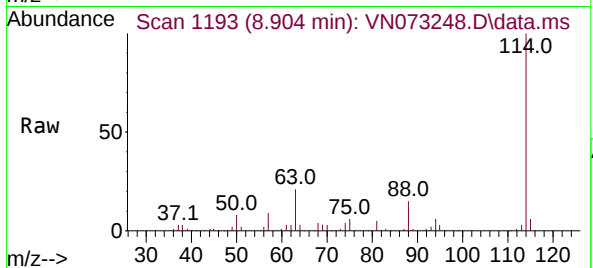
Tgt Ion:114 Resp: 567536

Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.0

88 15.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 47.386 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073248.D

Acq: 29 Jun 2022 17:18

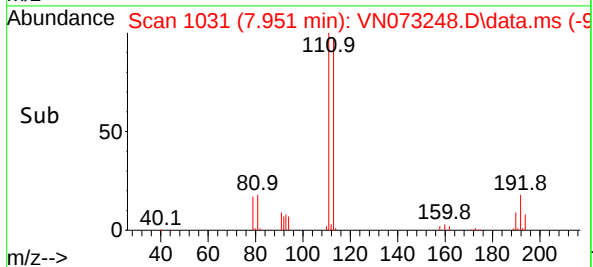
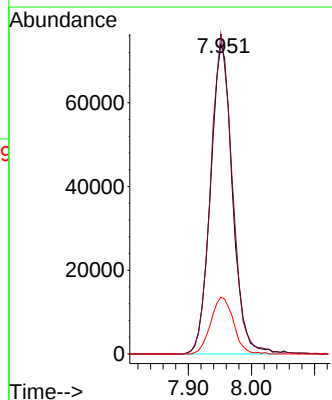
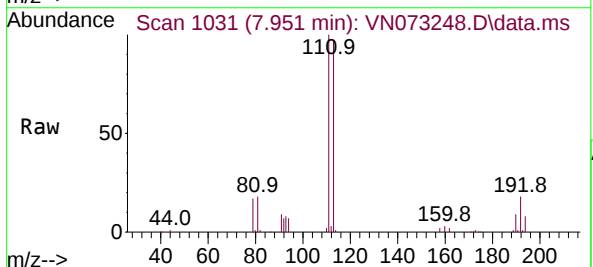
Tgt Ion:113 Resp: 178926

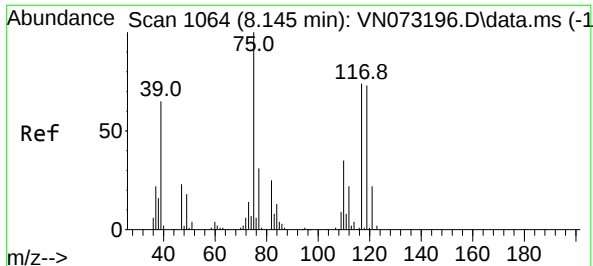
Ion Ratio Lower Upper

113 100

111 102.0 81.4 122.0

192 19.0 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.744 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.123 min

Lab File: VN073248.D

Acq: 29 Jun 2022 17:18

Instrument :

MSVOA_N

ClientSampleId :

MW-3DL

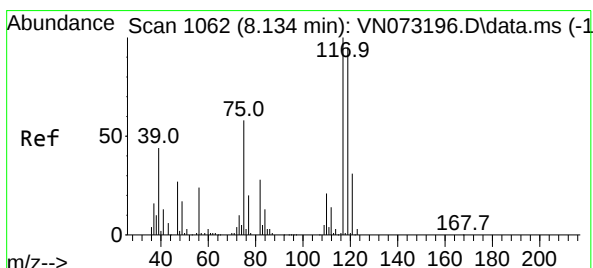
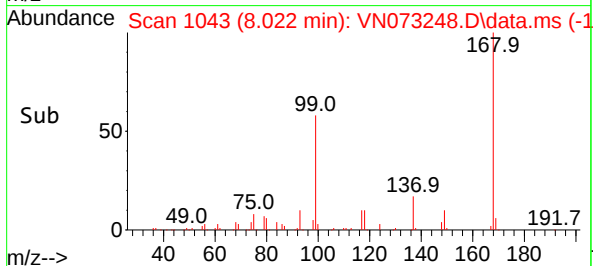
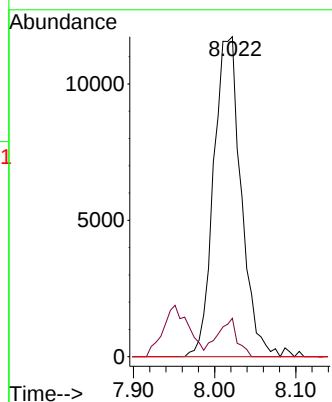
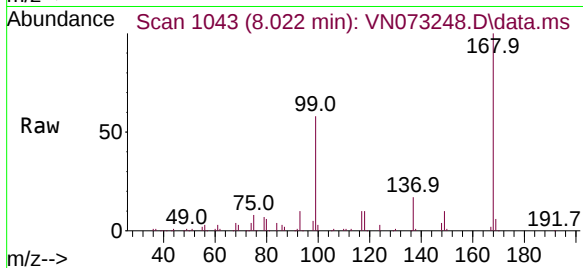
Tgt Ion: 75 Resp: 27564

Ion Ratio Lower Upper

75 100

110 8.7 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.022 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.118 min

Lab File: VN073248.D

Acq: 29 Jun 2022 17:18

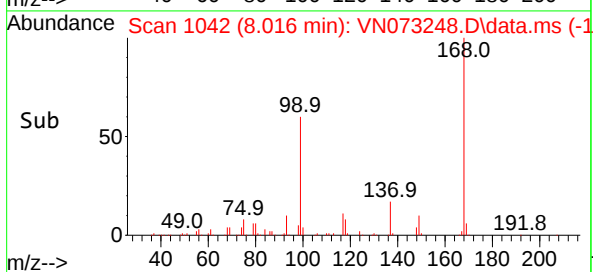
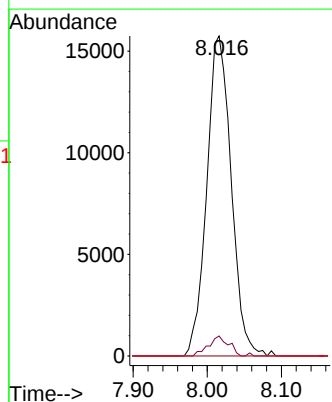
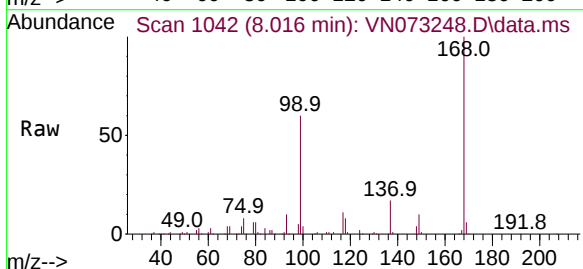
Tgt Ion: 117 Resp: 36182

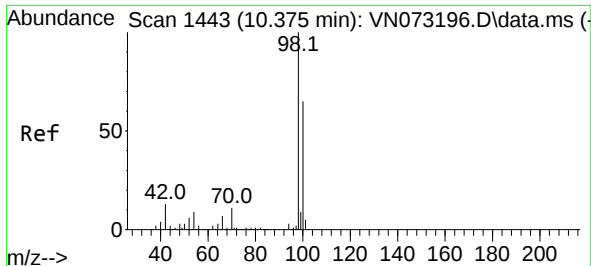
Ion Ratio Lower Upper

117 100

119 6.2 75.8 113.8#

121 0.0 24.6 37.0#

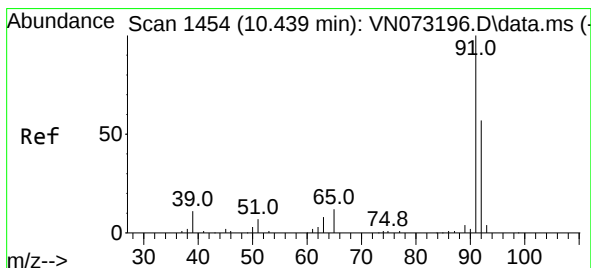
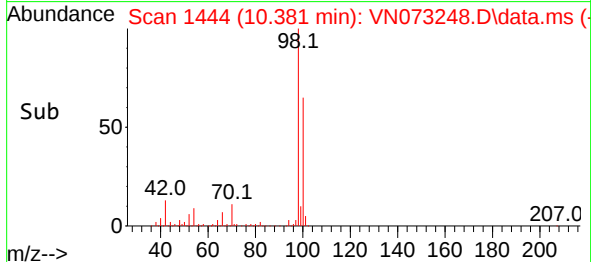
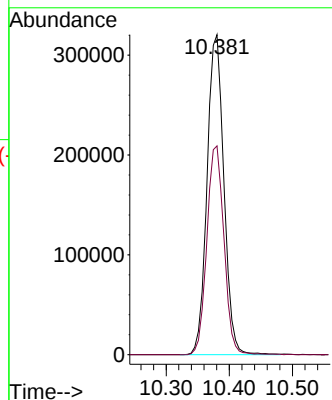
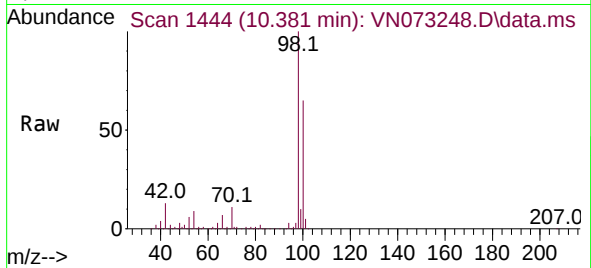




#50
Toluene-d8
Concen: 44.299 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN073248.D
Acq: 29 Jun 2022 17:18

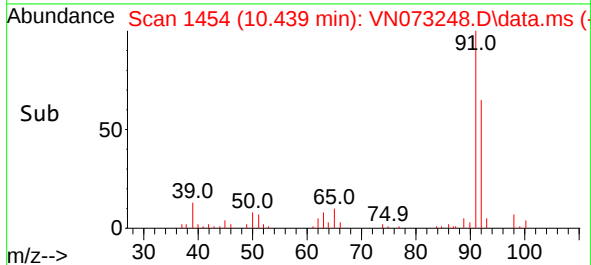
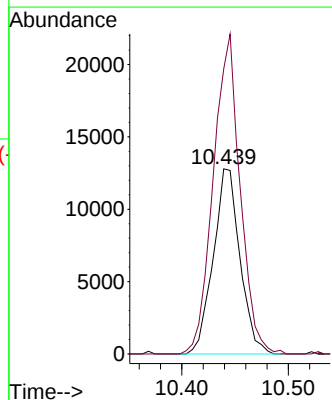
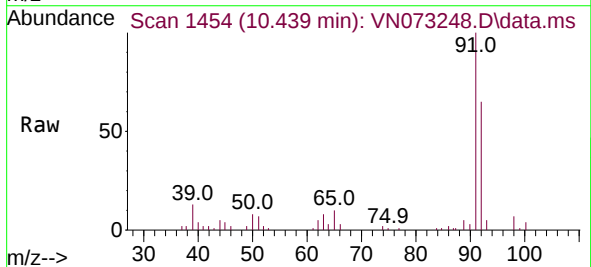
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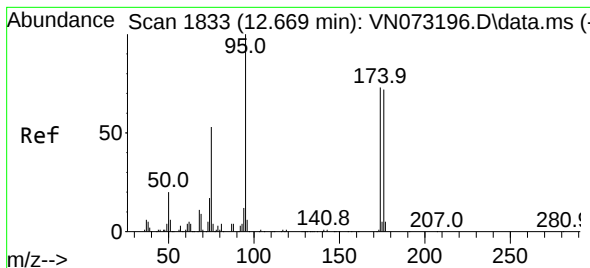
Tgt Ion: 98 Resp: 594086
Ion Ratio Lower Upper
98 100
100 66.2 52.6 78.8



#52
Toluene
Concen: 2.009 ug/l
RT: 10.439 min Scan# 1454
Delta R.T. 0.000 min
Lab File: VN073248.D
Acq: 29 Jun 2022 17:18

Tgt Ion: 92 Resp: 22261
Ion Ratio Lower Upper
92 100
91 173.8 138.6 207.8

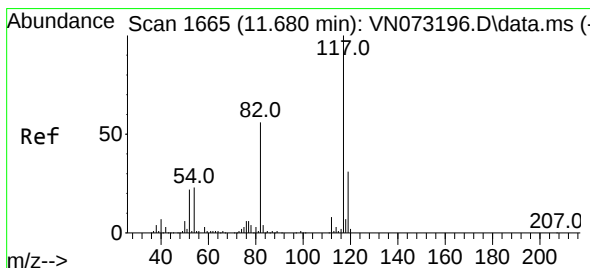
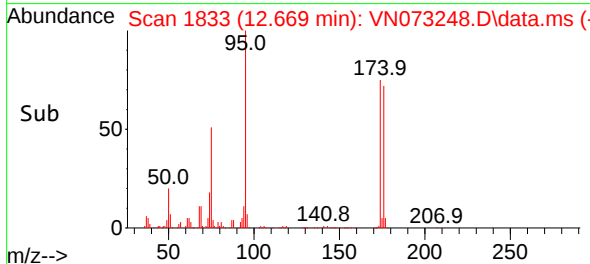
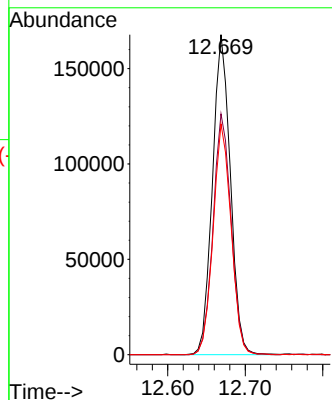
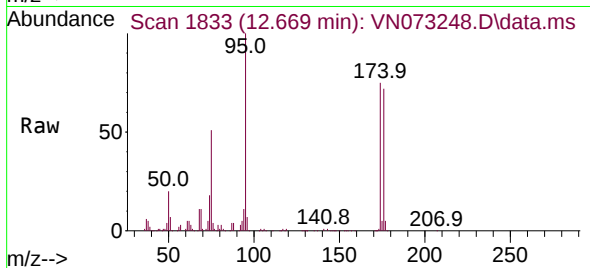




#62
4-Bromofluorobenzene
Concen: 52.326 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN073248.D
Acq: 29 Jun 2022 17:18

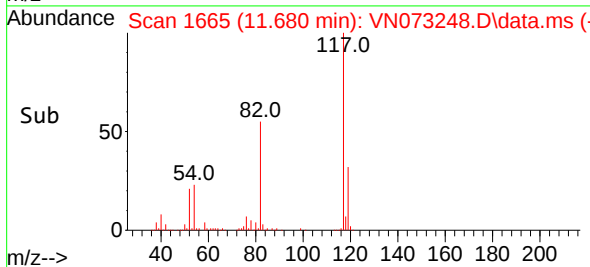
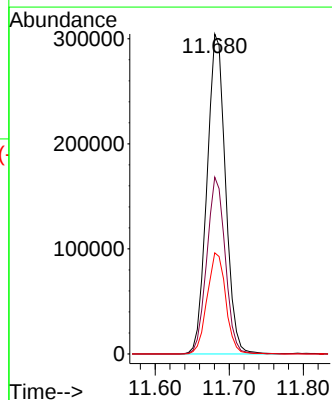
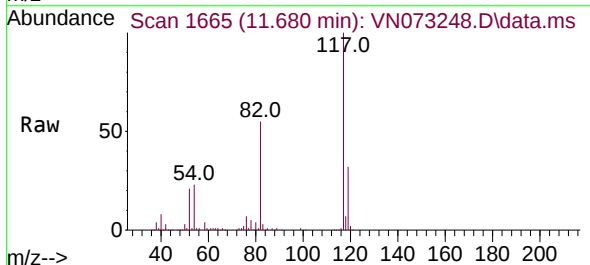
Instrument :
MSVOA_N
ClientSampleId :
MW-3DL

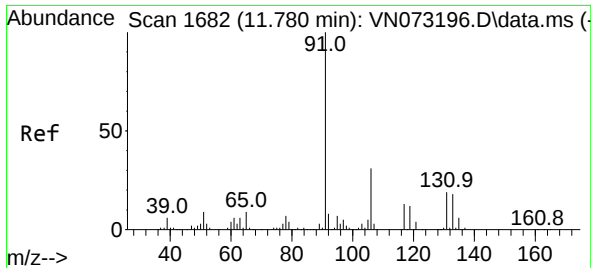
Tgt Ion: 95 Resp: 269671
Ion Ratio Lower Upper
95 100
174 75.8 0.0 167.6
176 72.1 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN073248.D
Acq: 29 Jun 2022 17:18

Tgt Ion: 117 Resp: 527693
Ion Ratio Lower Upper
117 100
82 55.2 44.2 66.2
119 31.6 25.4 38.0

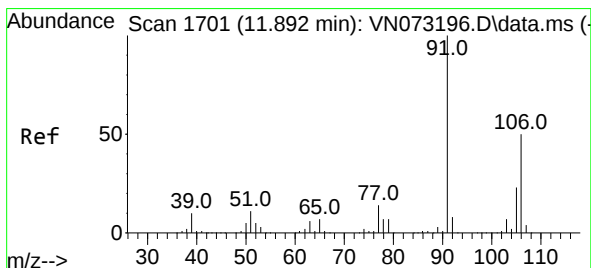
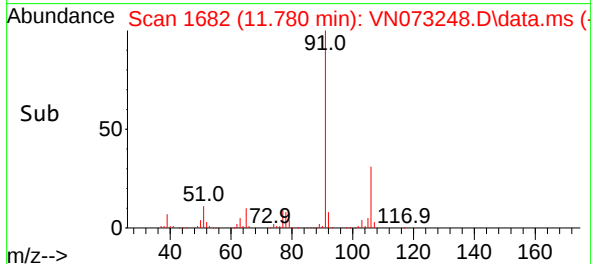
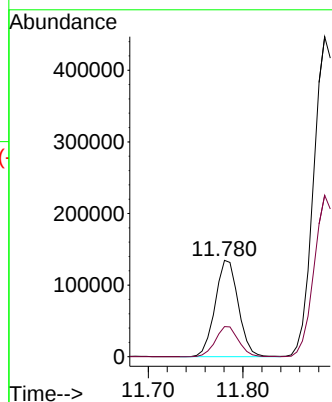
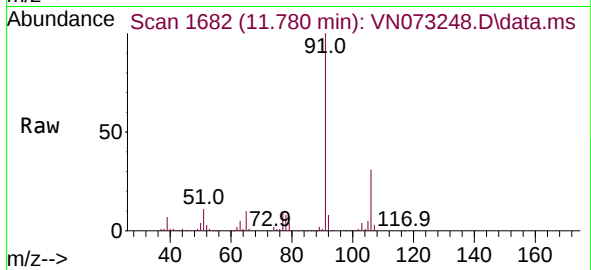




#67
Ethyl Benzene
Concen: 10.546 ug/l
RT: 11.780 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN073248.D
Acq: 29 Jun 2022 17:18

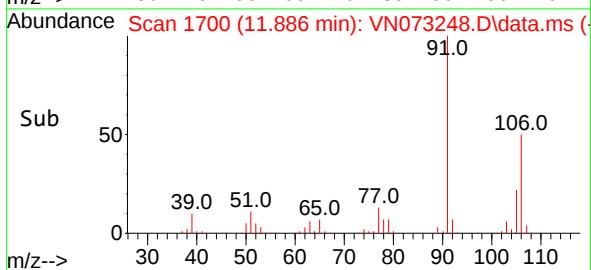
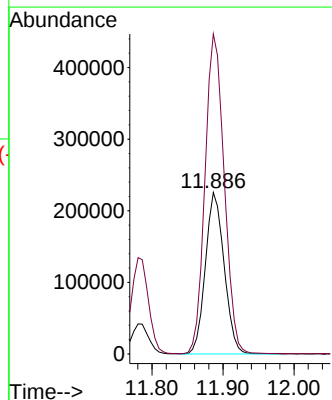
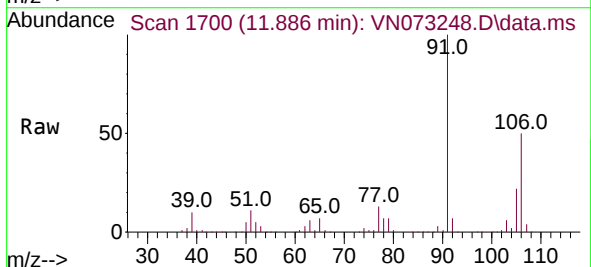
Instrument :
MSVOA_N
ClientSampleId :
MW-3DL

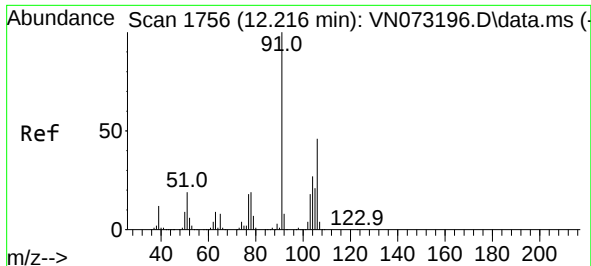
Tgt Ion: 91 Resp: 228495
Ion Ratio Lower Upper
91 100
106 31.2 24.9 37.3



#68
m/p-Xylenes
Concen: 50.729 ug/l
RT: 11.886 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VN073248.D
Acq: 29 Jun 2022 17:18

Tgt Ion:106 Resp: 414810
Ion Ratio Lower Upper
106 100
91 202.6 158.9 238.3

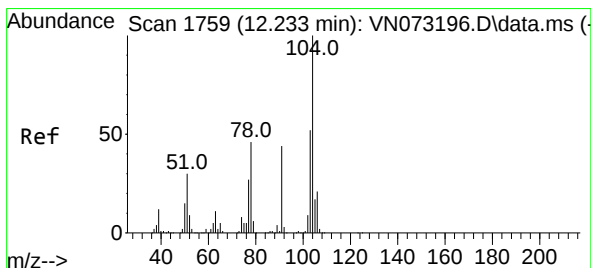
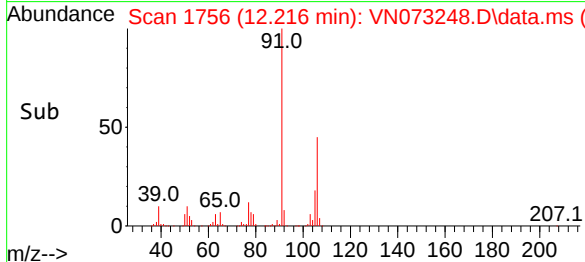
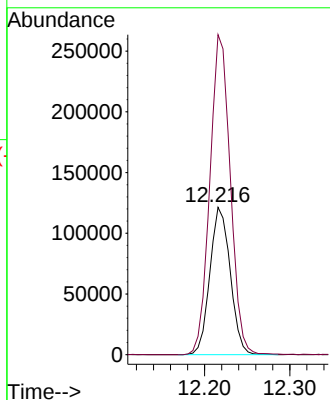
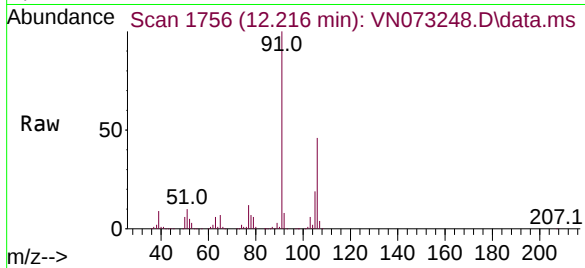




#69
o-Xylene
Concen: 24.151 ug/l
RT: 12.216 min Scan# 1756
Delta R.T. -0.000 min
Lab File: VN073248.D
Acq: 29 Jun 2022 17:18

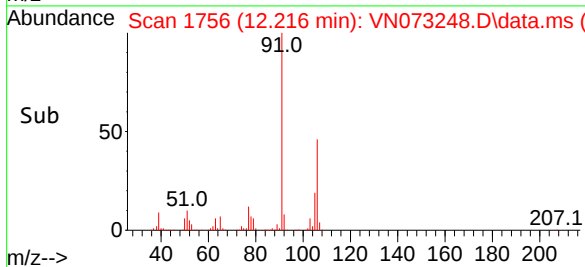
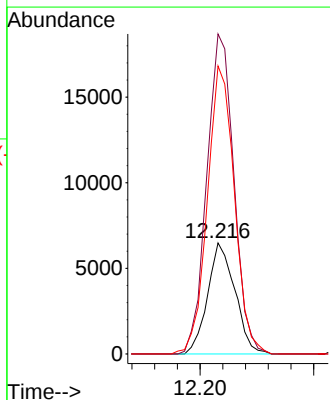
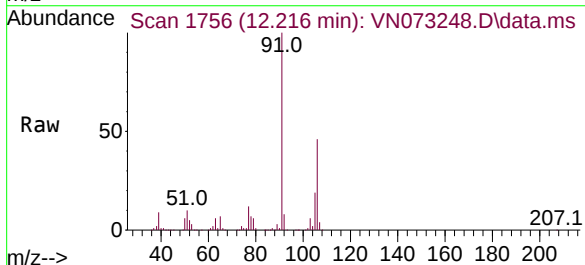
Instrument :
MSVOA_N
ClientSampleId :
MW-3DL

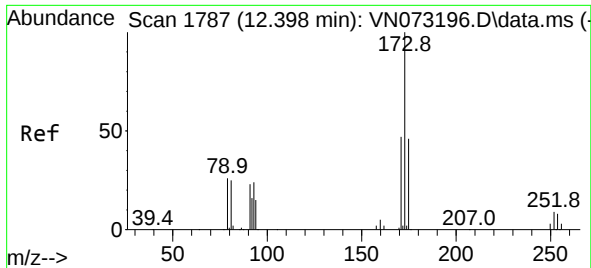
Tgt Ion:106 Resp: 201598
Ion Ratio Lower Upper
106 100
91 218.5 106.0 318.0



#70
Styrene
Concen: 0.839 ug/l
RT: 12.216 min Scan# 1756
Delta R.T. -0.017 min
Lab File: VN073248.D
Acq: 29 Jun 2022 17:18

Tgt Ion:104 Resp: 10809
Ion Ratio Lower Upper
104 100
78 285.8 39.5 59.3#
103 257.6 44.0 66.0#

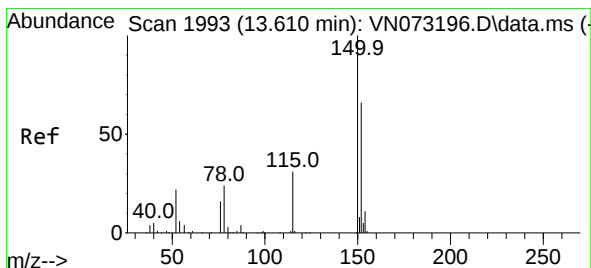
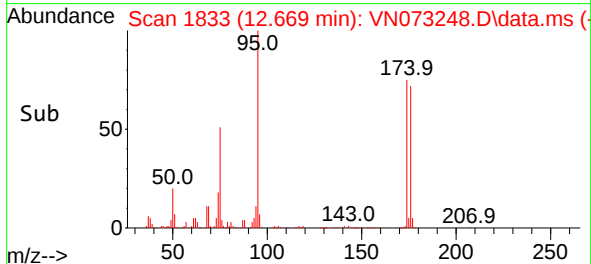
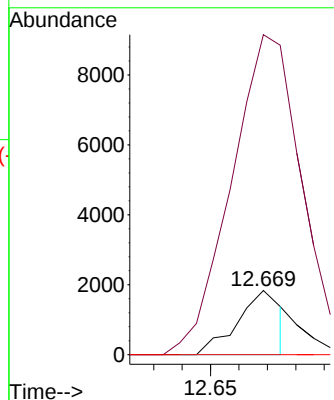
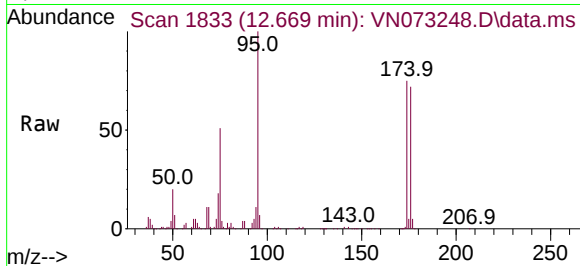




#71
Bromoform
Concen: 0.612 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN073248.D
Acq: 29 Jun 2022 17:18

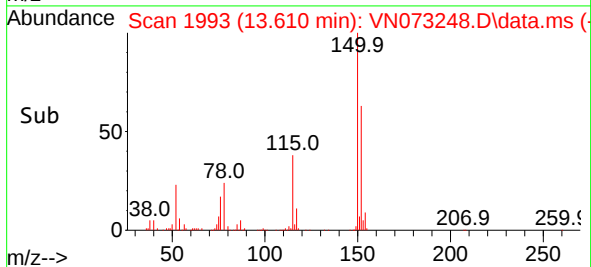
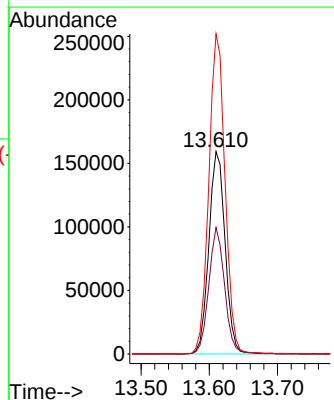
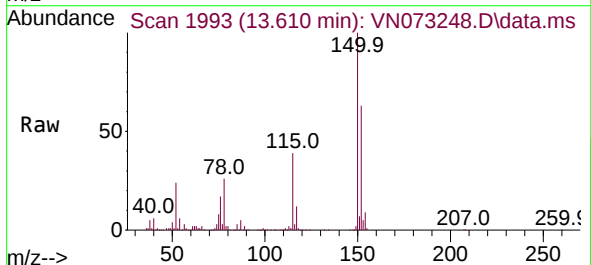
Instrument :
MSVOA_N
ClientSampleId :
MW-3DL

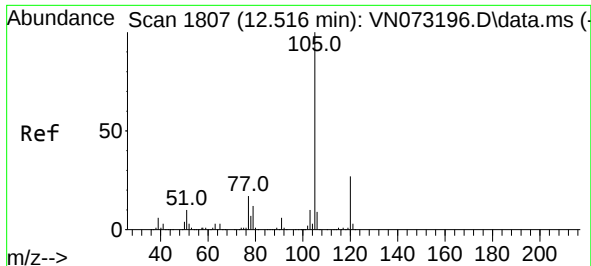
Tgt Ion:173 Resp: 1967
Ion Ratio Lower Upper
173 100
175 608.2 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN073248.D
Acq: 29 Jun 2022 17:18

Tgt Ion:152 Resp: 264916
Ion Ratio Lower Upper
152 100
115 60.8 28.9 86.7
150 157.5 0.0 356.2

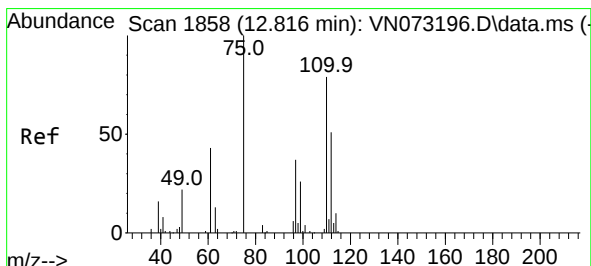
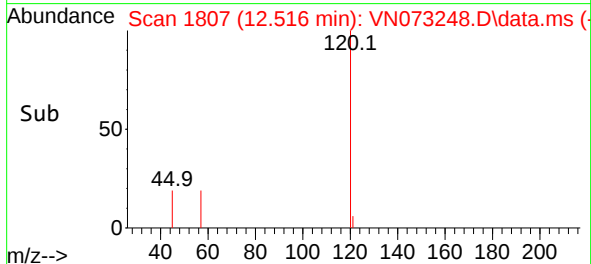
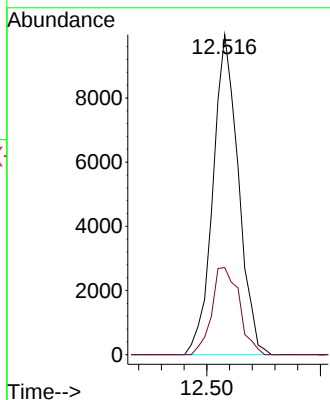
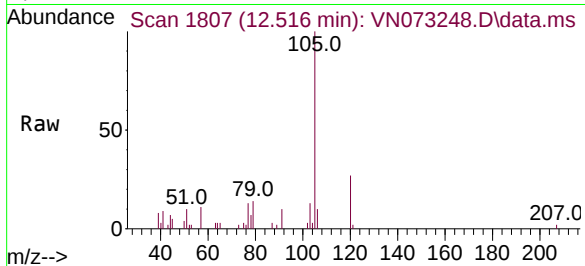




#73
Isopropylbenzene
Concen: 0.678 ug/l
RT: 12.516 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VN073248.D
Acq: 29 Jun 2022 17:18

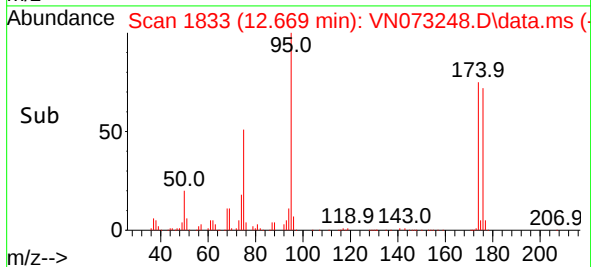
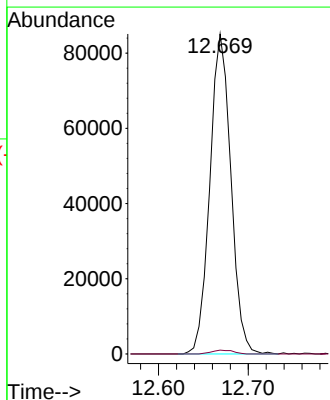
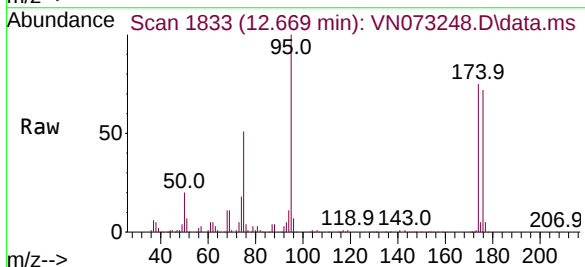
Instrument :
MSVOA_N
ClientSampleId :
MW-3DL

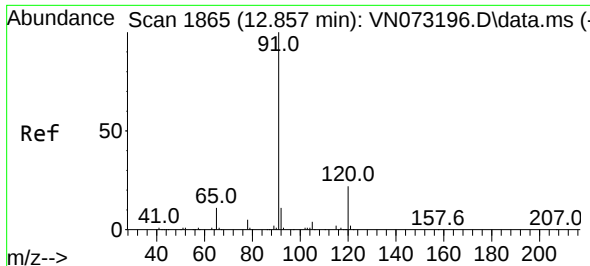
Tgt Ion:105 Resp: 15520
Ion Ratio Lower Upper
105 100
120 29.5 13.5 40.4



#76
1,2,3-Trichloropropane
Concen: 20.020 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.147 min
Lab File: VN073248.D
Acq: 29 Jun 2022 17:18

Tgt Ion: 75 Resp: 138681
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#

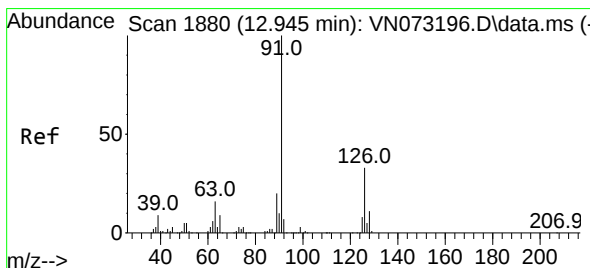
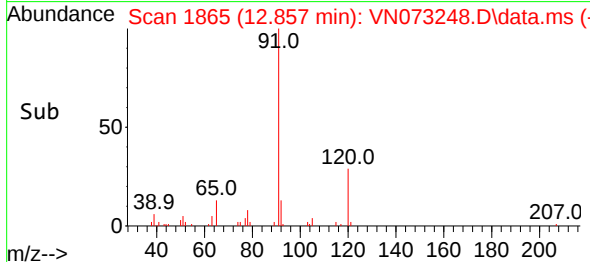
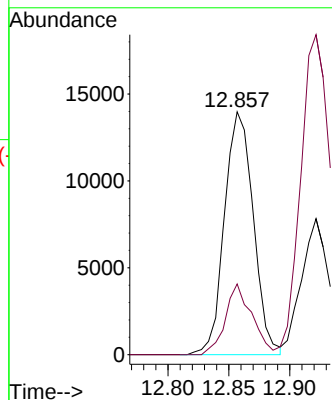
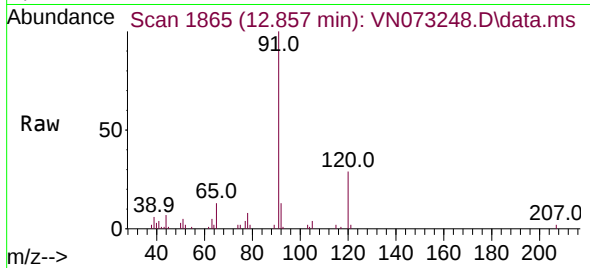




#78
n-propylbenzene
Concen: 0.910 ug/l
RT: 12.857 min Scan# 1865
Delta R.T. -0.000 min
Lab File: VN073248.D
Acq: 29 Jun 2022 17:18

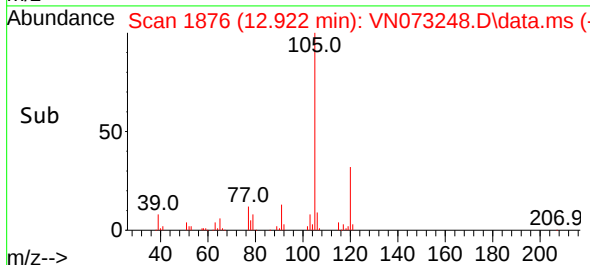
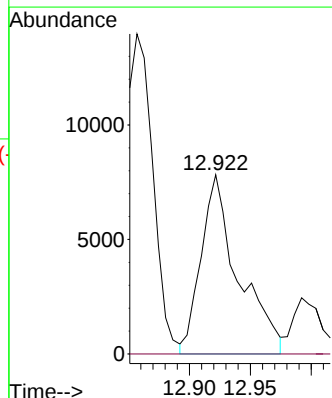
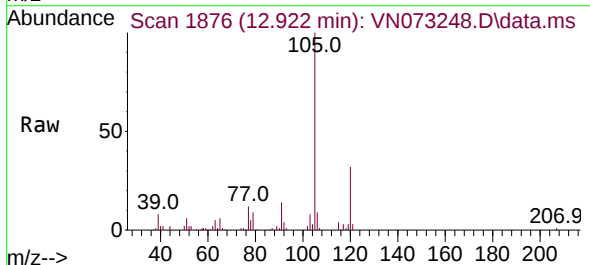
Instrument :
MSVOA_N
ClientSampleId :
MW-3DL

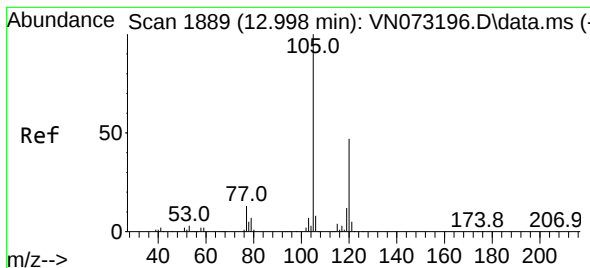
Tgt Ion: 91 Resp: 23130
Ion Ratio Lower Upper
91 100
120 26.7 11.9 35.5



#79
2-Chlorotoluene
Concen: 1.036 ug/l
RT: 12.922 min Scan# 1876
Delta R.T. -0.023 min
Lab File: VN073248.D
Acq: 29 Jun 2022 17:18

Tgt Ion: 91 Resp: 16666
Ion Ratio Lower Upper
91 100
126 0.0 17.3 51.9#





#80

1,3,5-Trimethylbenzene

Concen: 2.095 ug/l

RT: 12.998 min Scan# 1889

Delta R.T. 0.000 min

Lab File: VN073248.D

Acq: 29 Jun 2022 17:18

Instrument :

MSVOA_N

ClientSampleId :

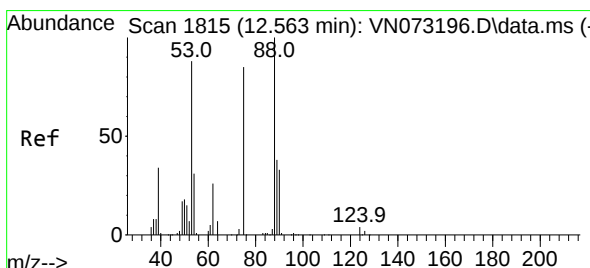
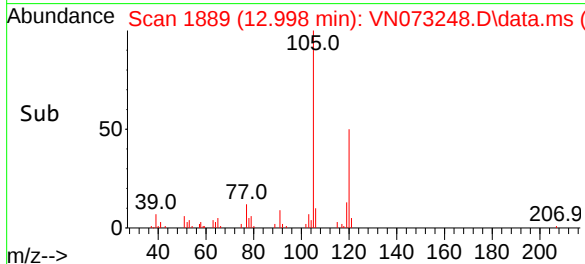
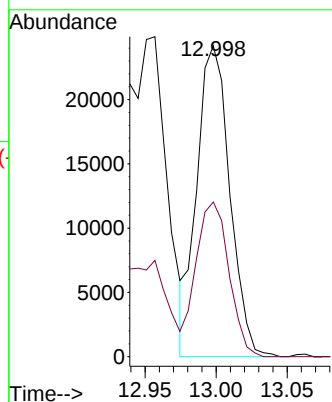
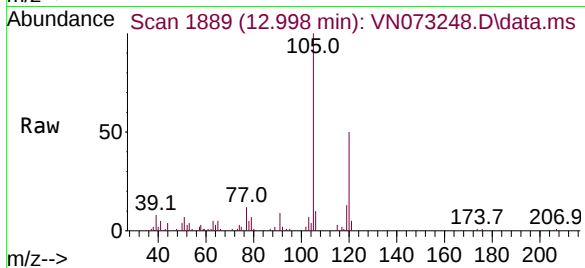
MW-3DL

Tgt Ion:105 Resp: 39062

Ion Ratio Lower Upper

105 100

120 49.8 24.9 74.7



#81

trans-1,4-Dichloro-2-butene

Concen: 54.905 ug/l

RT: 12.669 min Scan# 1833

Delta R.T. 0.106 min

Lab File: VN073248.D

Acq: 29 Jun 2022 17:18

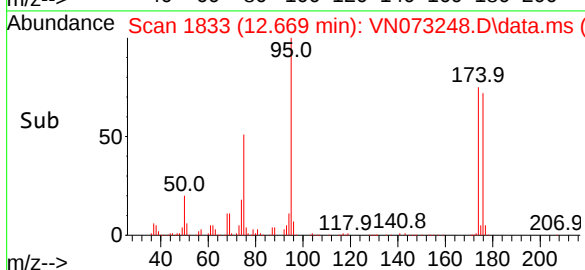
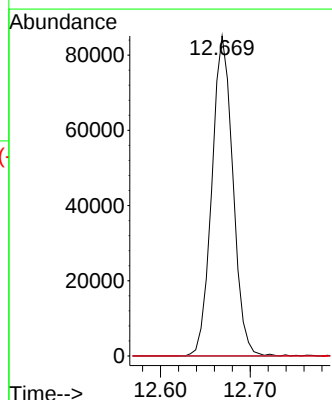
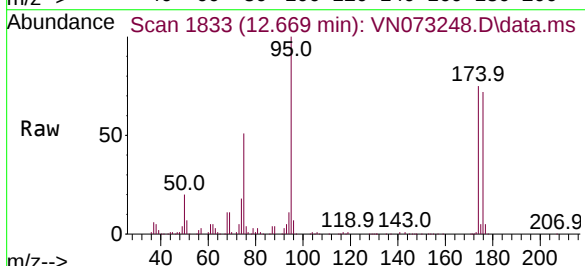
Tgt Ion: 75 Resp: 138681

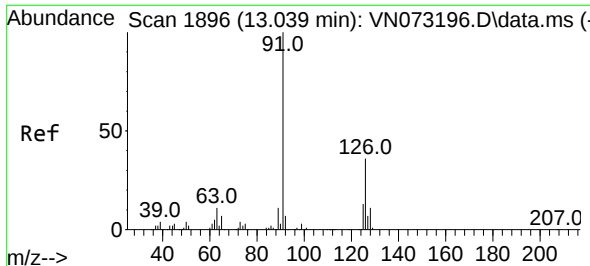
Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.0 37.2 55.8#

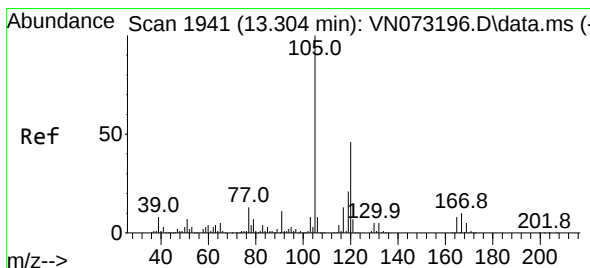
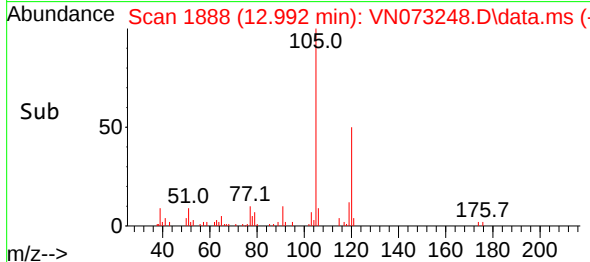
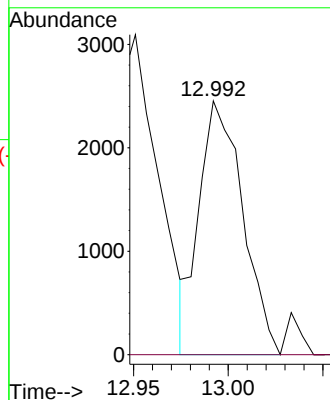
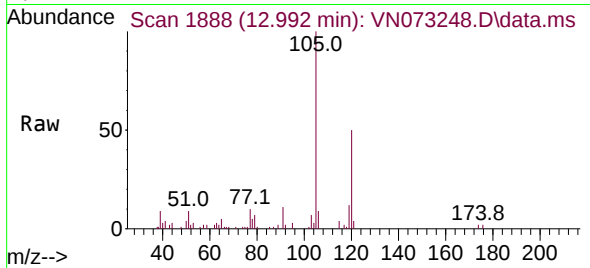




#82
4-Chlorotoluene
Concen: 0.251 ug/l
RT: 12.992 min Scan# 1888
Delta R.T. -0.047 min
Lab File: VN073248.D
Acq: 29 Jun 2022 17:18

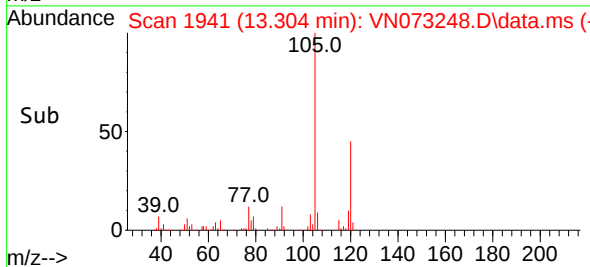
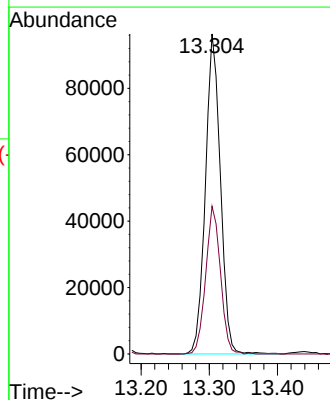
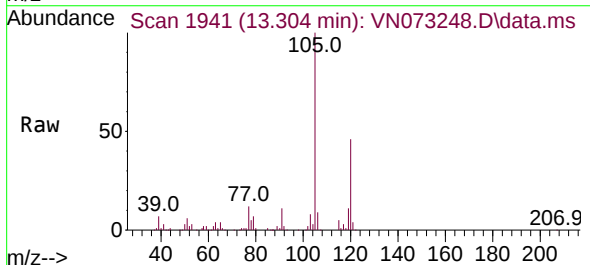
Instrument :
MSVOA_N
ClientSampleId :
MW-3DL

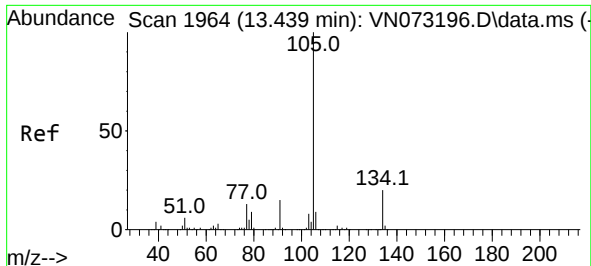
Tgt Ion: 91 Resp: 3912
Ion Ratio Lower Upper
91 100
126 0.0 17.2 51.6#



#84
1,2,4-Trimethylbenzene
Concen: 7.926 ug/l
RT: 13.304 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VN073248.D
Acq: 29 Jun 2022 17:18

Tgt Ion: 105 Resp: 147553
Ion Ratio Lower Upper
105 100
120 45.5 23.3 69.8

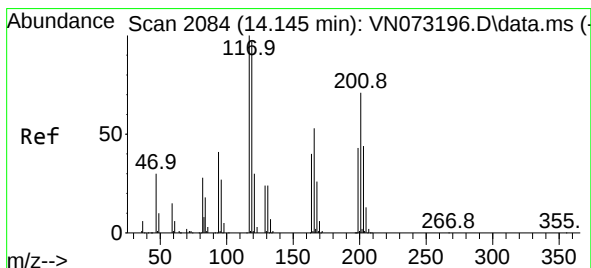
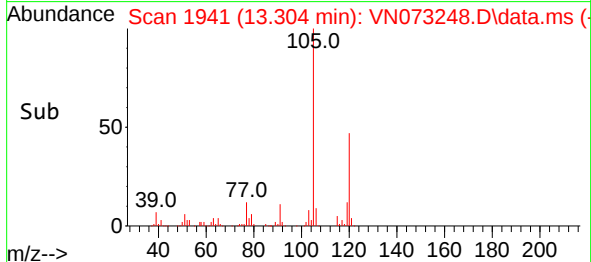
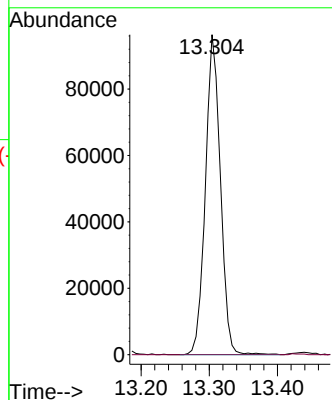
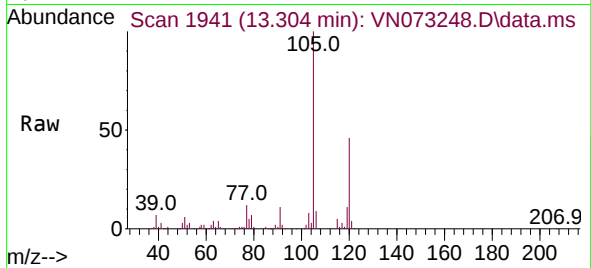




#85
 sec-Butylbenzene
 Concen: 6.573 ug/l
 RT: 13.304 min Scan# 1964
 Delta R.T. -0.135 min
 Lab File: VN073248.D
 Acq: 29 Jun 2022 17:18

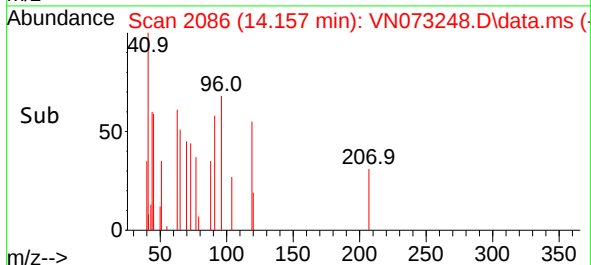
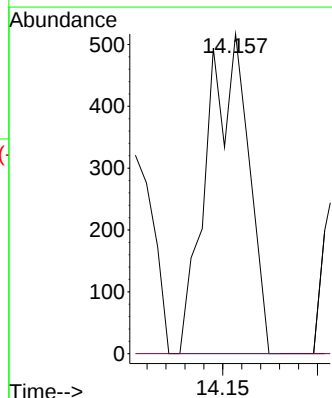
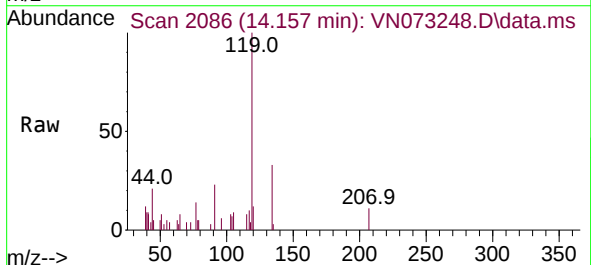
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3DL

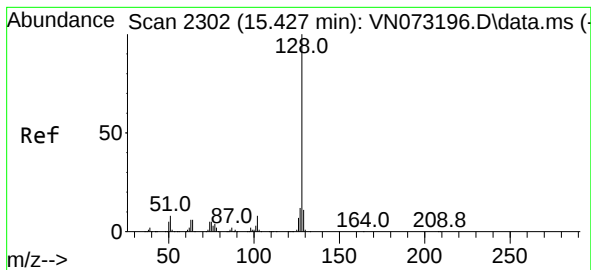
Tgt Ion:105 Resp: 147553
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1#



#90
 Hexachloroethane
 Concen: 0.233 ug/l
 RT: 14.157 min Scan# 2086
 Delta R.T. 0.012 min
 Lab File: VN073248.D
 Acq: 29 Jun 2022 17:18

Tgt Ion:117 Resp: 787
 Ion Ratio Lower Upper
 117 100
 201 0.0 40.6 122.0#





#95

Naphthalene

Concen: 1.894 ug/l

RT: 15.433 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN073248.D

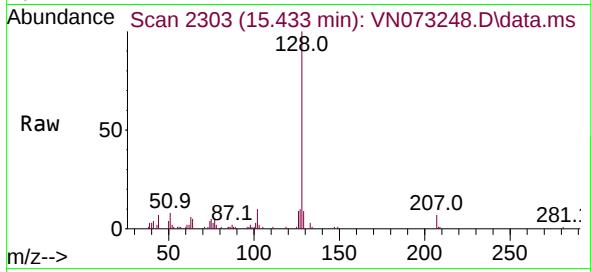
Acq: 29 Jun 2022 17:18

Instrument :

MSVOA_N

ClientSampleId :

MW-3DL



Tgt Ion:128 Resp: 38666

Ion Ratio Lower Upper

128 100

127 12.5 10.3 15.5

129 10.1 8.6 13.0

