

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062922\
 Data File : VN073236.D
 Acq On : 29 Jun 2022 12:09
 Operator : JC\MD
 Sample : N3409-09DL 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4DL

Quant Time: Jun 30 06:59:22 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)

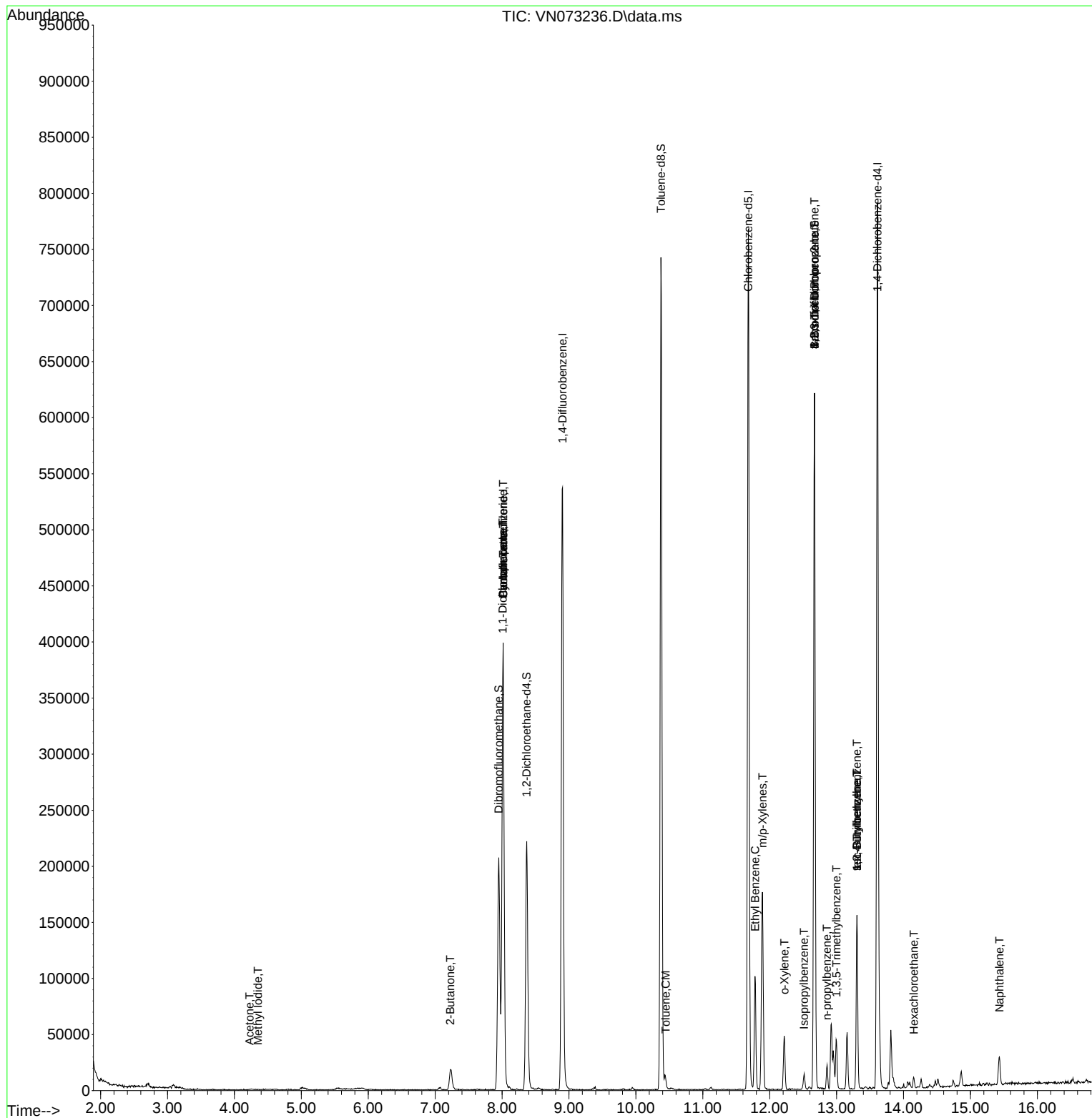
Internal Standards						
1) Pentafluorobenzene	8.016	168	289786	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	481118	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	438369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	204298	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	186641	44.615	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.220%		
35) Dibromofluoromethane	7.951	113	155039	48.435	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.880%		
50) Toluene-d8	10.375	98	502784	44.225	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	88.460%		
62) 4-Bromofluorobenzene	12.669	95	214891	49.186	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.380%		
Target Compounds						Qvalue
10) Methyl Iodide	4.351	142	65	3.749	ug/l #	44
16) Acetone	4.228	43	524	0.223	ug/l #	42
25) 2-Butanone	7.228	43	1102	0.295	ug/l #	45
31) Cyclohexane	8.016	56	7216	1.053	ug/l #	21
36) 1,1-Dichloropropene	8.010	75	24213	4.916	ug/l #	48
38) Carbon Tetrachloride	8.016	117	30341	5.957	ug/l #	17
52) Toluene	10.445	92	4314	0.459	ug/l	89
67) Ethyl Benzene	11.780	91	71591	3.977	ug/l	99
68) m/p-Xylenes	11.892	106	57309	8.437	ug/l	94
69) o-Xylene	12.221	106	12980	1.872	ug/l	99
71) Bromoform	12.669	173	1807	0.677	ug/l #	1
73) Isopropylbenzene	12.516	105	6920	0.392	ug/l	96
76) 1,2,3-Trichloropropane	12.669	75	115366	21.596	ug/l #	1
78) n-propylbenzene	12.857	91	16568	0.845	ug/l	97
80) 1,3,5-Trimethylbenzene	12.998	105	21939	1.526	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.669	75	115366	59.226	ug/l #	10
83) tert-Butylbenzene	13.304	119	10787	0.837	ug/l #	60
84) 1,2,4-Trimethylbenzene	13.304	105	87819	6.117	ug/l	99
85) sec-Butylbenzene	13.304	105	87819	5.073	ug/l #	56
90) Hexachloroethane	14.157	117	699	0.268	ug/l #	9
95) Naphthalene	15.433	128	22777	1.447	ug/l	99

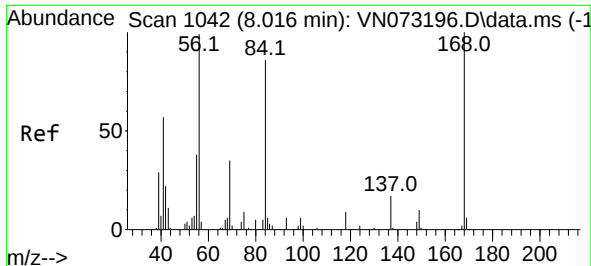
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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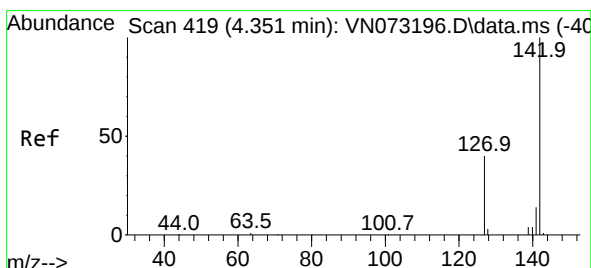
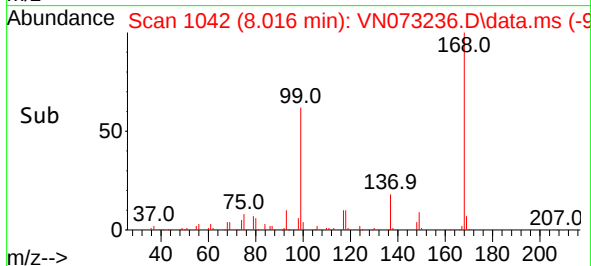
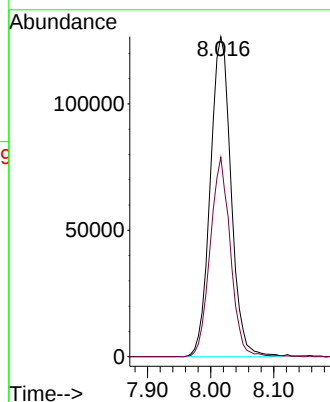
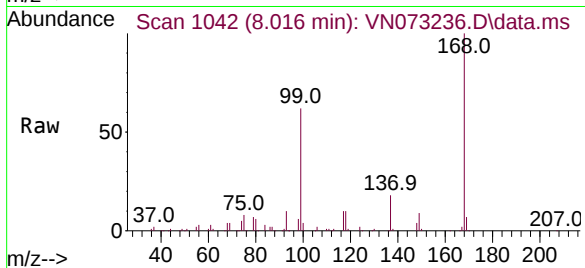




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073236.D
Acq: 29 Jun 2022 12:09

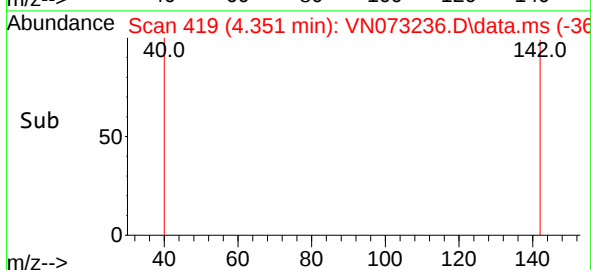
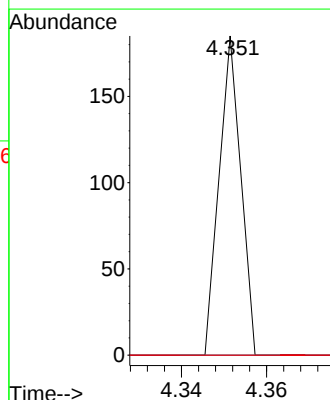
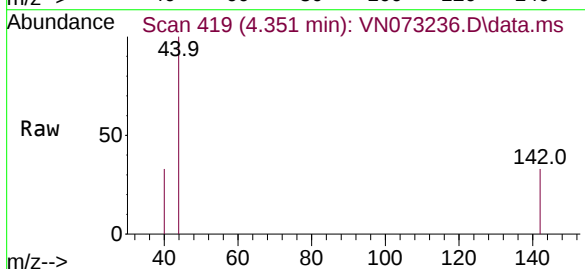
Instrument :
MSVOA_N
ClientSampleId :
MW-4DL

Tgt Ion:168 Resp: 289786
Ion Ratio Lower Upper
168 100
99 62.3 42.3 63.5



#10
Methyl Iodide
Concen: 3.749 ug/l
RT: 4.351 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN073236.D
Acq: 29 Jun 2022 12:09

Tgt Ion:142 Resp: 65
Ion Ratio Lower Upper
142 100
127 0.0 31.3 46.9#
141 0.0 11.2 16.8#





#16

Acetone

Concen: 0.223 ug/l

RT: 4.228 min Scan# 397

Delta R.T. 0.006 min

Lab File: VN073236.D

Acq: 29 Jun 2022 12:09

Instrument :

MSVOA_N

ClientSampleId :

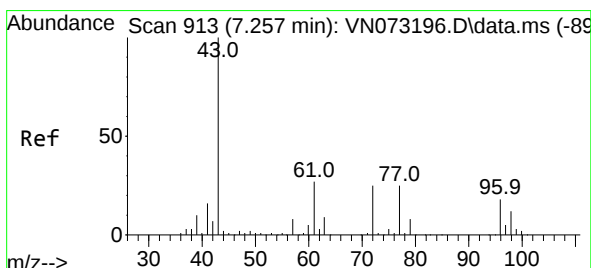
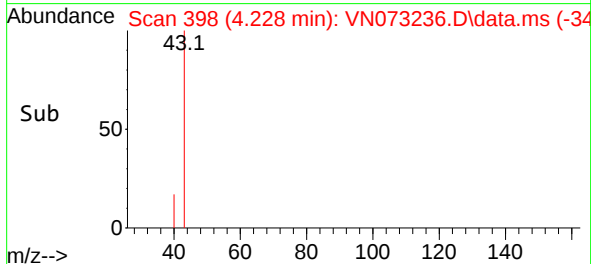
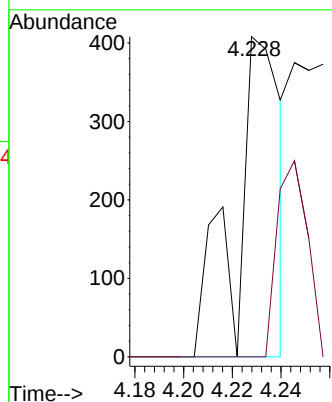
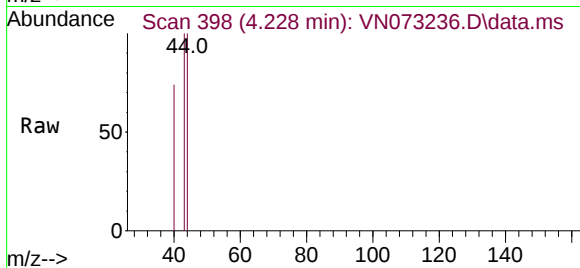
MW-4DL

Tgt Ion: 43 Resp: 524

Ion Ratio Lower Upper

43 100

58 0.0 26.0 39.0#



#25

2-Butanone

Concen: 0.295 ug/l

RT: 7.228 min Scan# 908

Delta R.T. -0.029 min

Lab File: VN073236.D

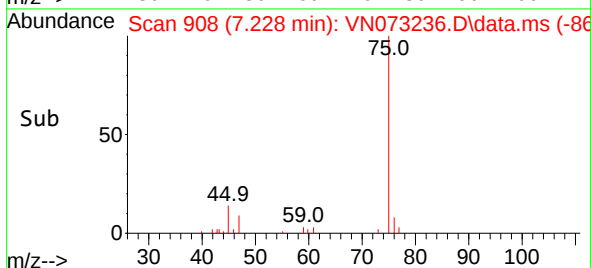
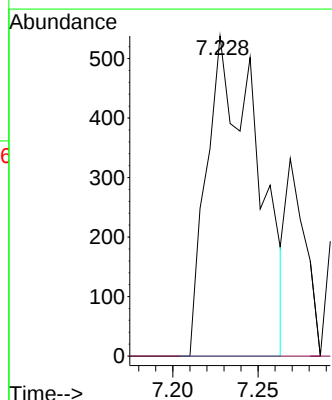
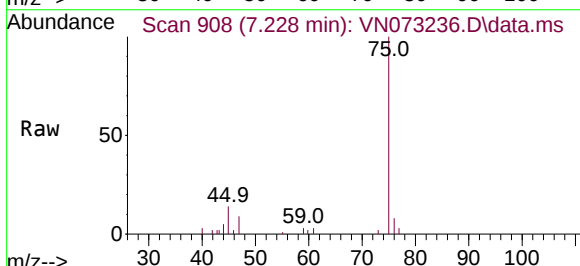
Acq: 29 Jun 2022 12:09

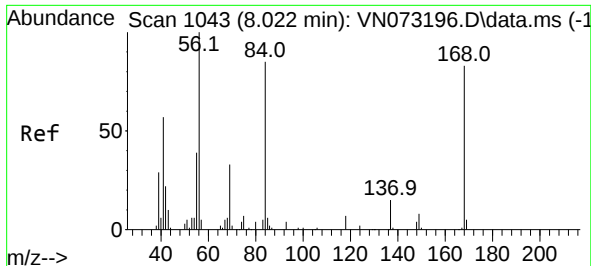
Tgt Ion: 43 Resp: 1102

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#





#31

Cyclohexane

Concen: 1.053 ug/l

RT: 8.016 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN073236.D

Acq: 29 Jun 2022 12:09

Instrument :

MSVOA_N

ClientSampleId :

MW-4DL

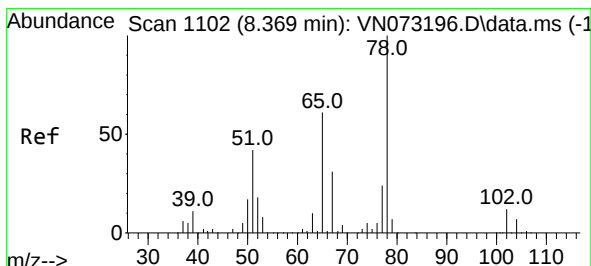
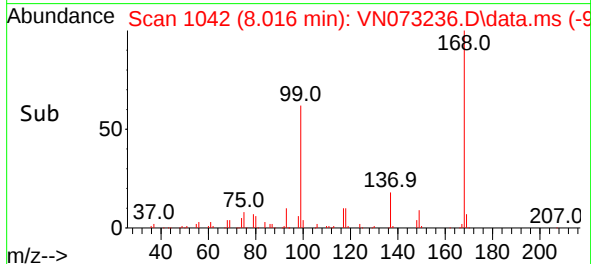
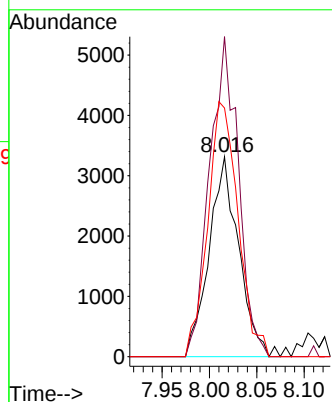
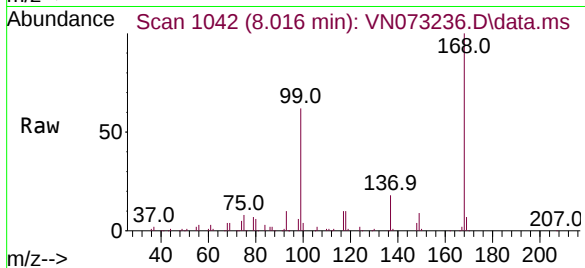
Tgt Ion: 56 Resp: 7216

Ion Ratio Lower Upper

56 100

69 160.2 27.8 41.8#

84 124.4 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 44.615 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073236.D

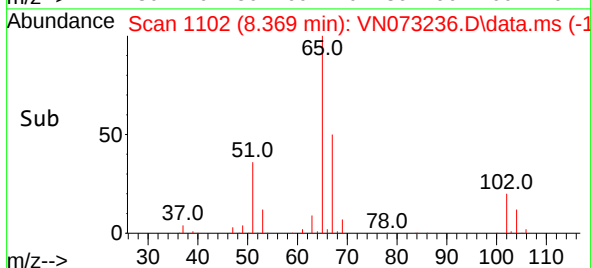
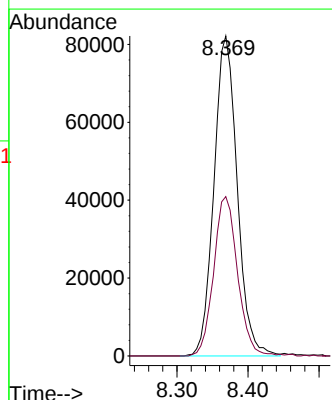
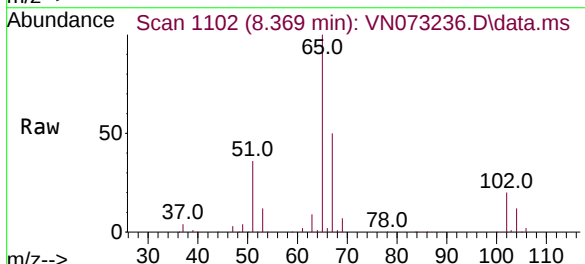
Acq: 29 Jun 2022 12:09

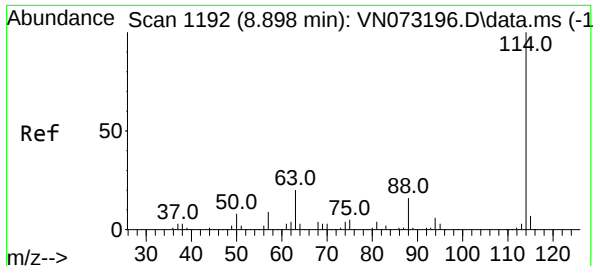
Tgt Ion: 65 Resp: 186641

Ion Ratio Lower Upper

65 100

67 51.3 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: VN073236.D

Acq: 29 Jun 2022 12:09

Instrument :

MSVOA_N

ClientSampleId :

MW-4DL

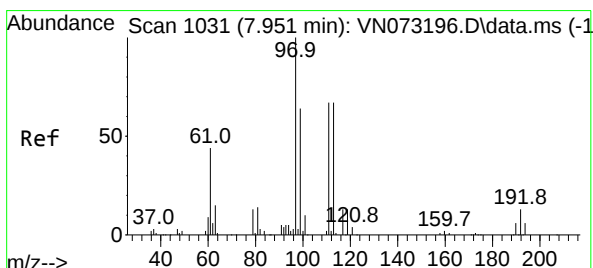
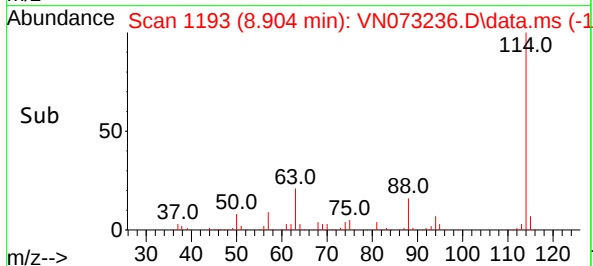
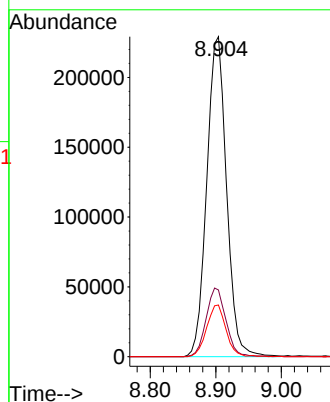
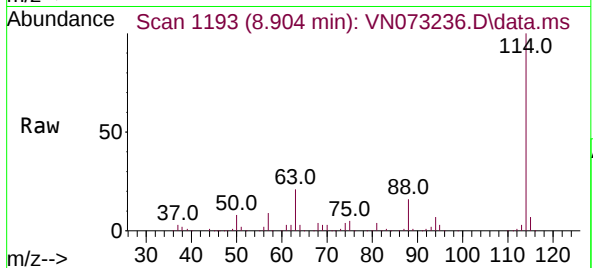
Tgt Ion:114 Resp: 481118

Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.0

88 16.1 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.435 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073236.D

Acq: 29 Jun 2022 12:09

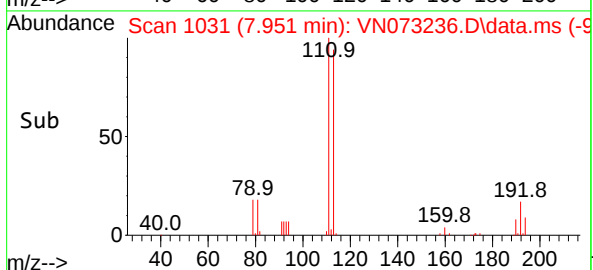
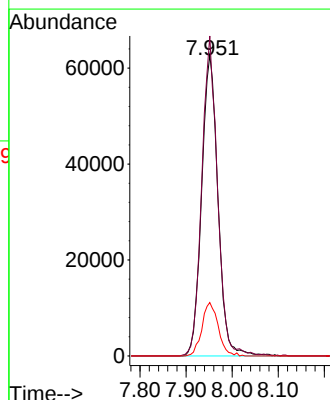
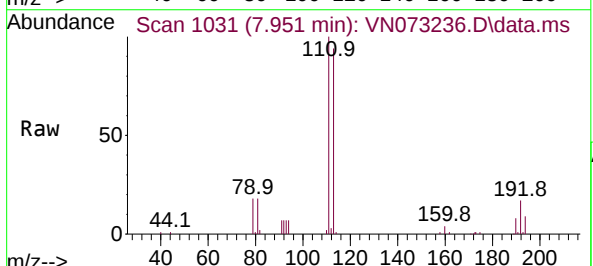
Tgt Ion:113 Resp: 155039

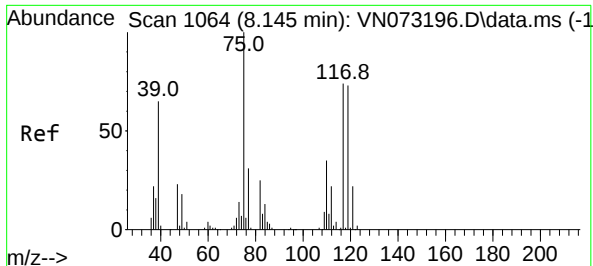
Ion Ratio Lower Upper

113 100

111 102.0 81.4 122.0

192 17.8 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.916 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.135 min

Lab File: VN073236.D

Acq: 29 Jun 2022 12:09

Instrument :

MSVOA_N

ClientSampleId :

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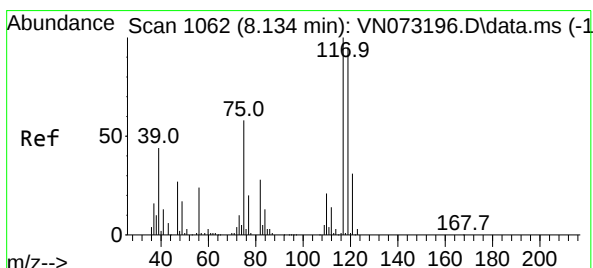
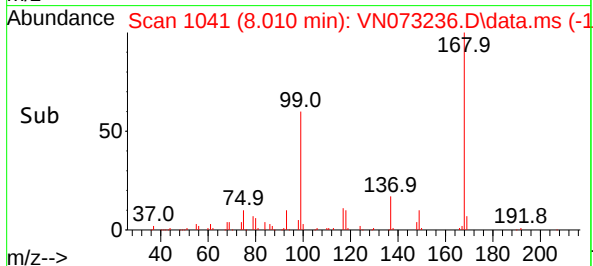
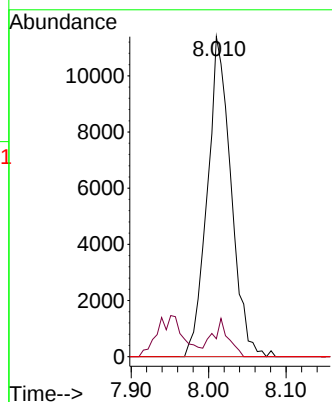
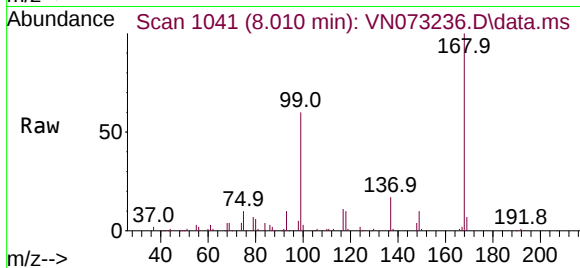
Tgt Ion: 75 Resp: 24213

Ion Ratio Lower Upper

75 100

110 7.9 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.957 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.118 min

Lab File: VN073236.D

Acq: 29 Jun 2022 12:09

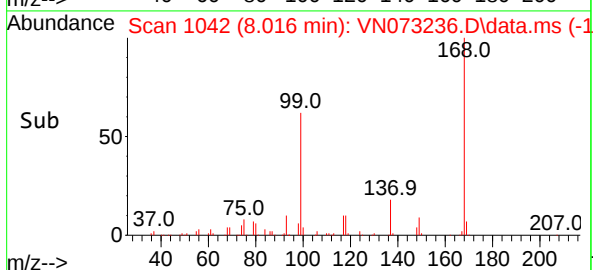
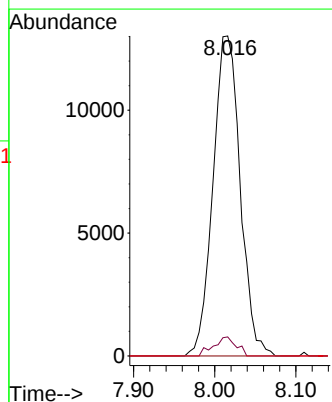
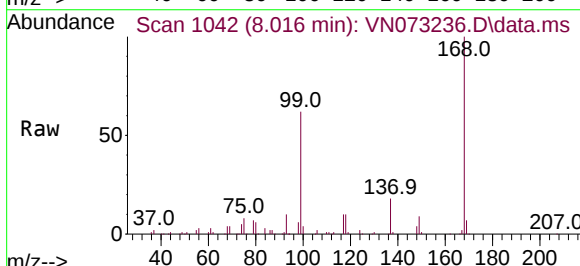
Tgt Ion: 117 Resp: 30341

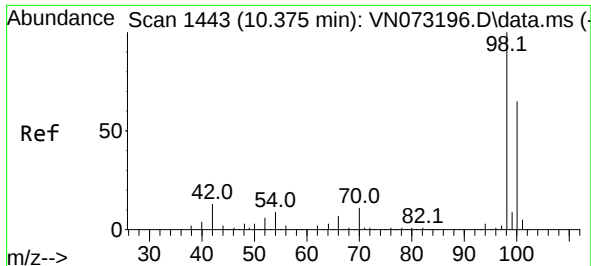
Ion Ratio Lower Upper

117 100

119 6.0 75.8 113.8#

121 0.0 24.6 37.0#

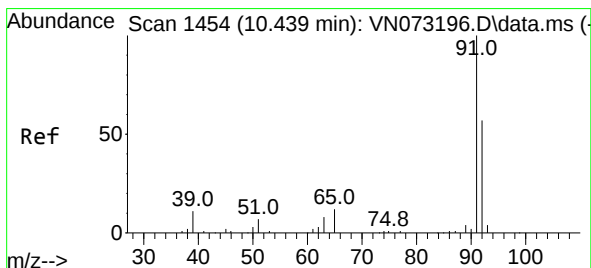
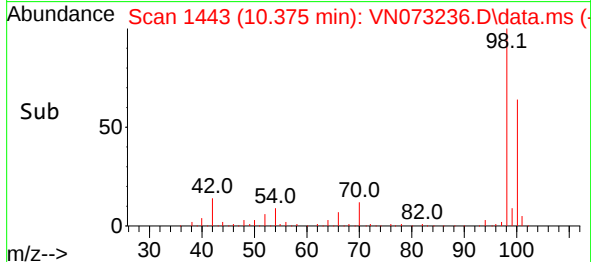
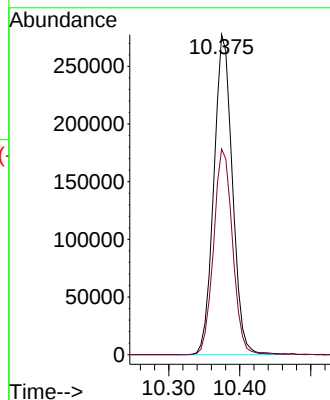
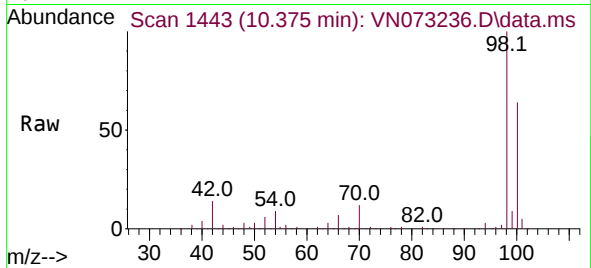




#50
Toluene-d8
Concen: 44.225 ug/l
RT: 10.375 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN073236.D
Acq: 29 Jun 2022 12:09

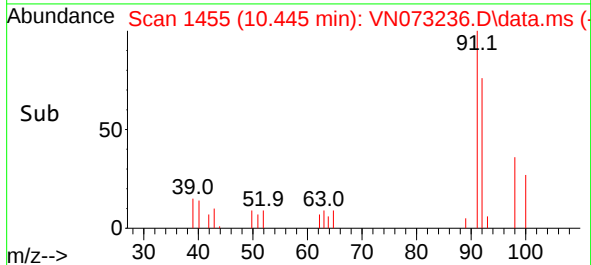
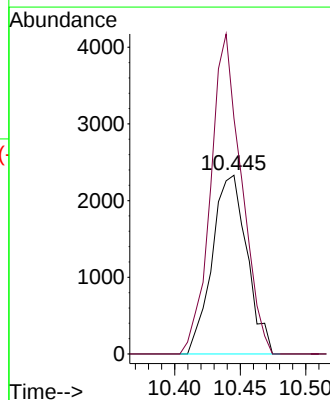
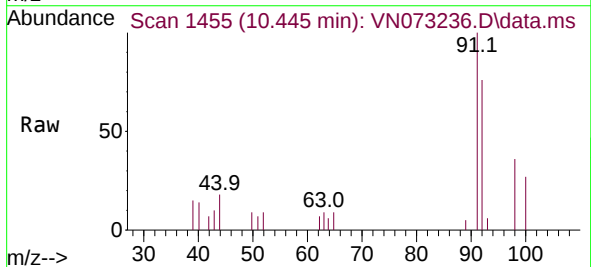
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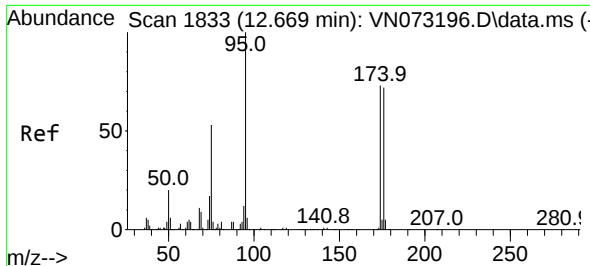
Tgt Ion: 98 Resp: 502784
Ion Ratio Lower Upper
98 100
100 65.5 52.6 78.8



#52
Toluene
Concen: 0.459 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.006 min
Lab File: VN073236.D
Acq: 29 Jun 2022 12:09

Tgt Ion: 92 Resp: 4314
Ion Ratio Lower Upper
92 100
91 158.3 138.6 207.8

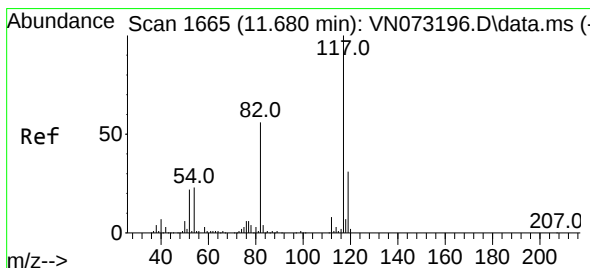
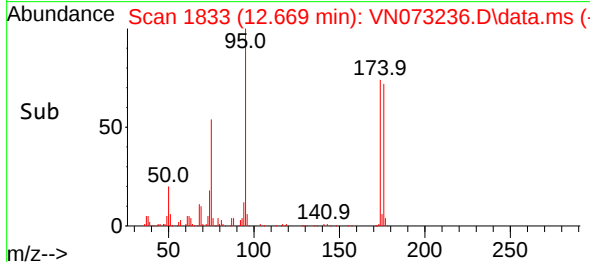
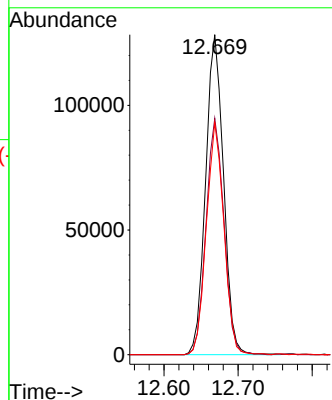
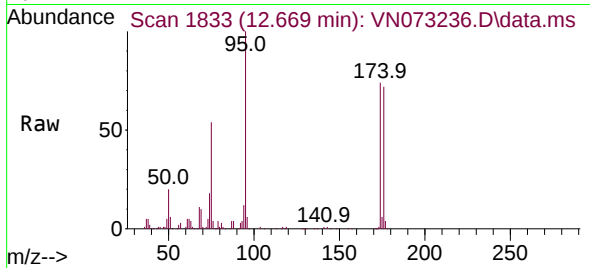




#62
4-Bromofluorobenzene
Concen: 49.186 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.001 min
Lab File: VN073236.D
Acq: 29 Jun 2022 12:09

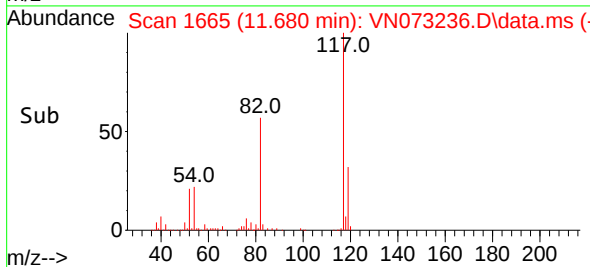
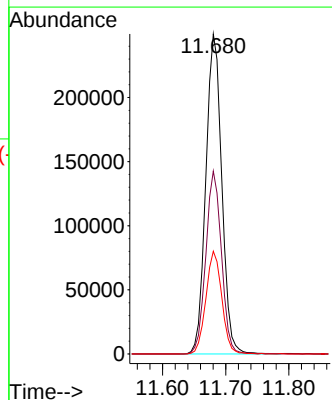
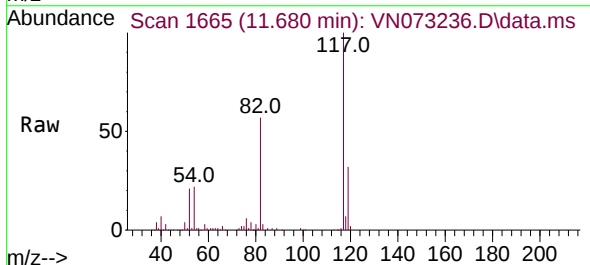
Instrument :
MSVOA_N
ClientSampleId :
MW-4DL

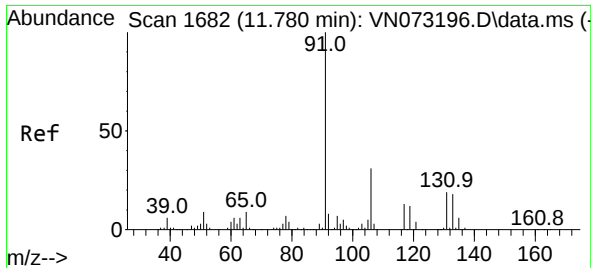
Tgt Ion: 95 Resp: 214891
Ion Ratio Lower Upper
95 100
174 74.1 0.0 167.6
176 71.2 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN073236.D
Acq: 29 Jun 2022 12:09

Tgt Ion: 117 Resp: 438369
Ion Ratio Lower Upper
117 100
82 57.2 44.2 66.2
119 32.1 25.4 38.0

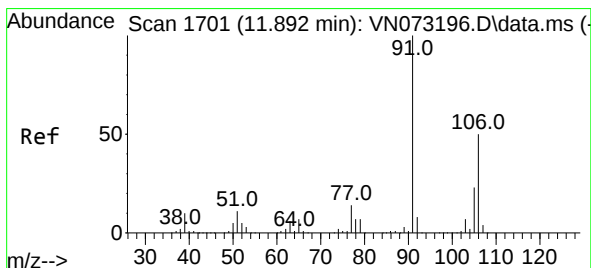
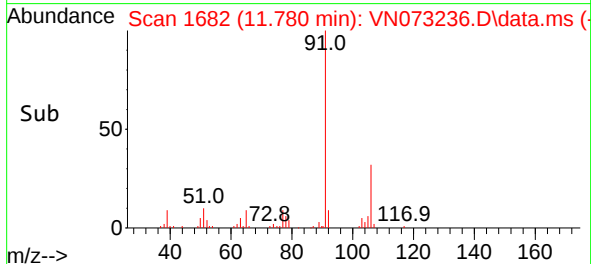
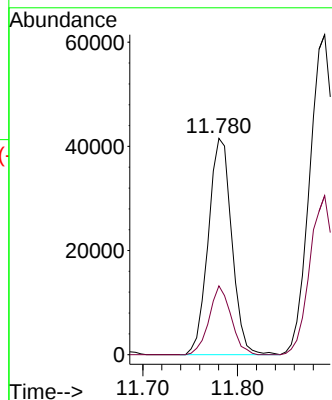
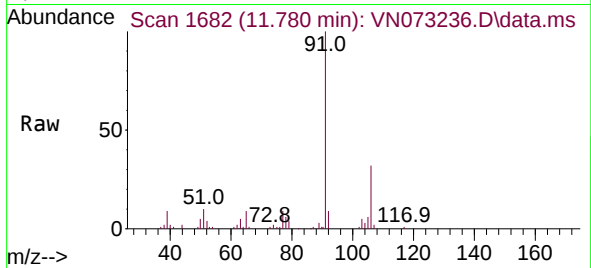




#67
Ethyl Benzene
Concen: 3.977 ug/l
RT: 11.780 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN073236.D
Acq: 29 Jun 2022 12:09

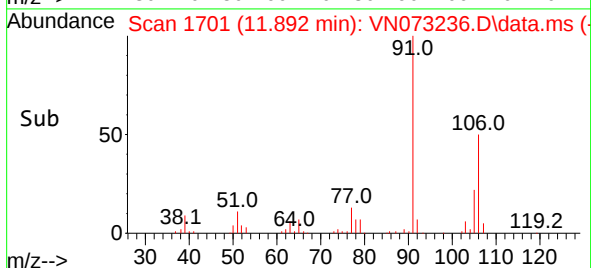
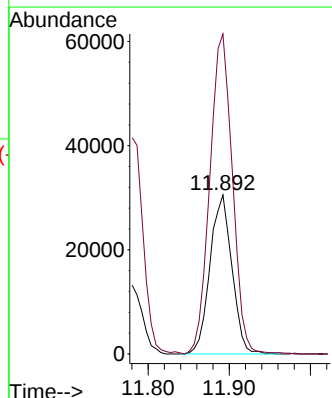
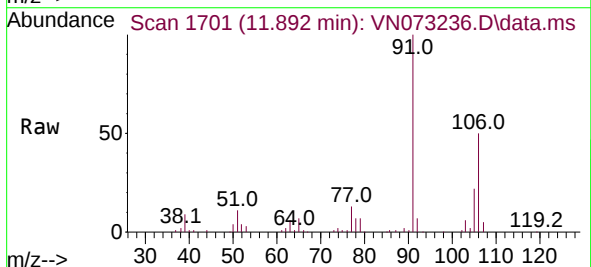
Instrument :
MSVOA_N
ClientSampleId :
MW-4DL

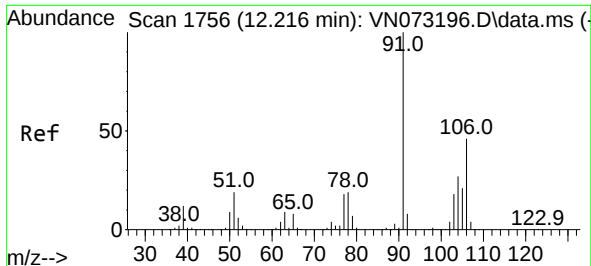
Tgt Ion: 91 Resp: 71591
Ion Ratio Lower Upper
91 100
106 31.8 24.9 37.3



#68
m/p-Xylenes
Concen: 8.437 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN073236.D
Acq: 29 Jun 2022 12:09

Tgt Ion: 106 Resp: 57309
Ion Ratio Lower Upper
106 100
91 207.6 158.9 238.3





#69

o-Xylene

Concen: 1.872 ug/l

RT: 12.221 min Scan# 1

Delta R.T. 0.005 min

Lab File: VN073236.D

Acq: 29 Jun 2022 12:09

Instrument :

MSVOA_N

ClientSampleId :

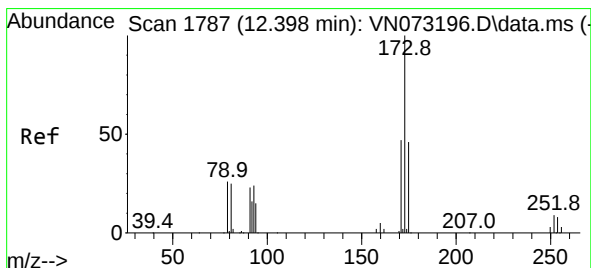
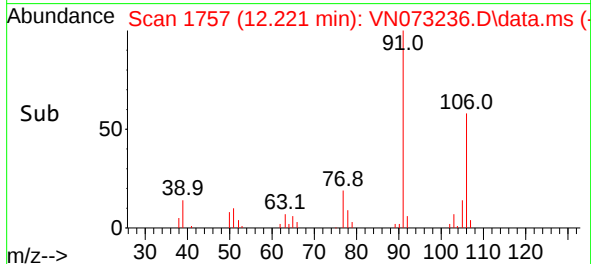
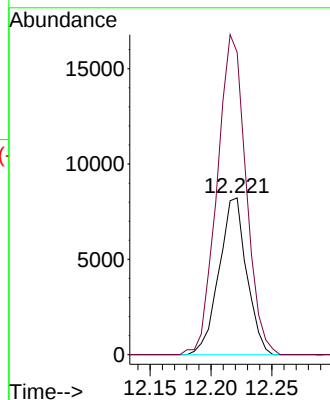
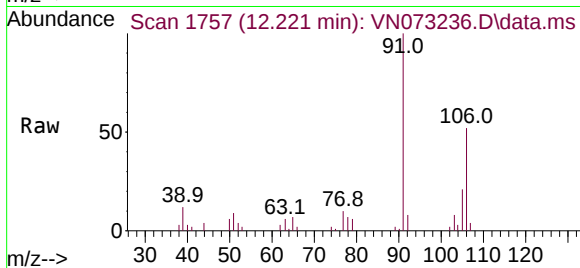
MW-4DL

Tgt Ion:106 Resp: 12980

Ion Ratio Lower Upper

106 100

91 213.7 106.0 318.0



#71

Bromoform

Concen: 0.677 ug/l

RT: 12.669 min Scan# 1833

Delta R.T. 0.271 min

Lab File: VN073236.D

Acq: 29 Jun 2022 12:09

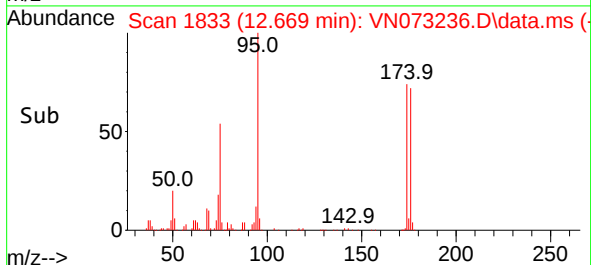
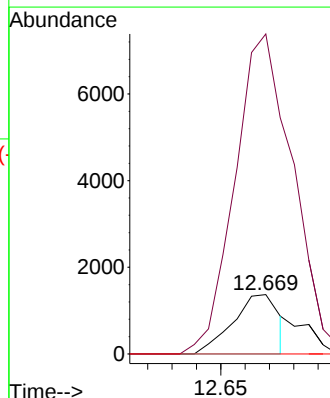
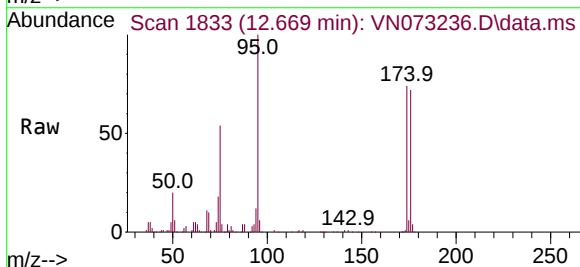
Tgt Ion:173 Resp: 1807

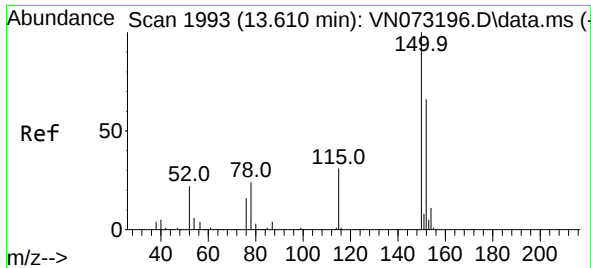
Ion Ratio Lower Upper

173 100

175 530.9 24.6 73.6#

254 0.0 0.1 0.1#

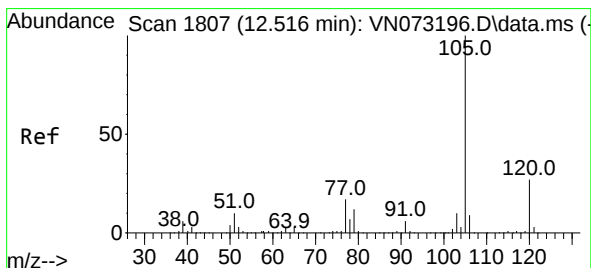
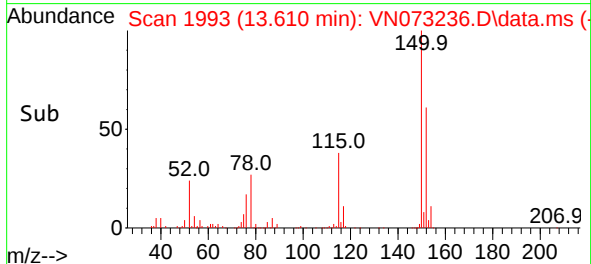
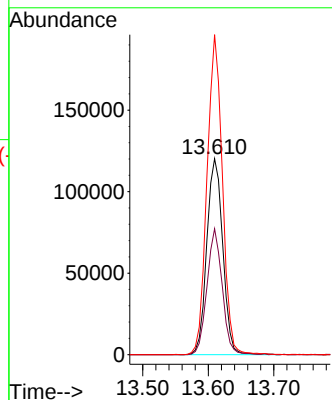
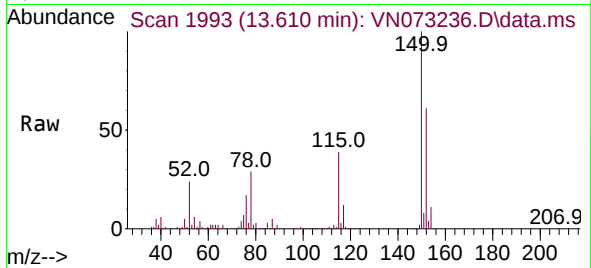




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN073236.D
Acq: 29 Jun 2022 12:09

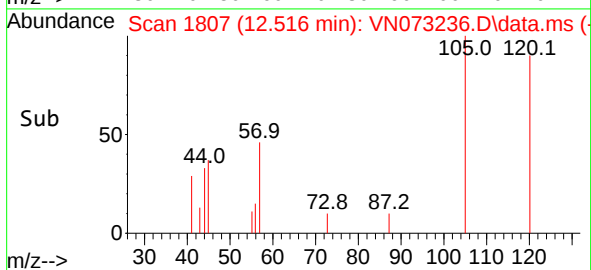
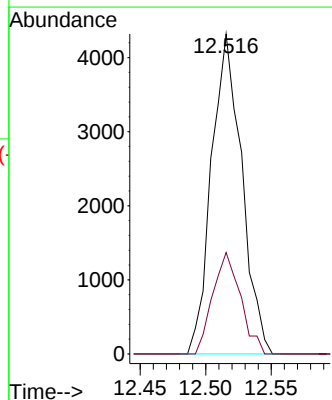
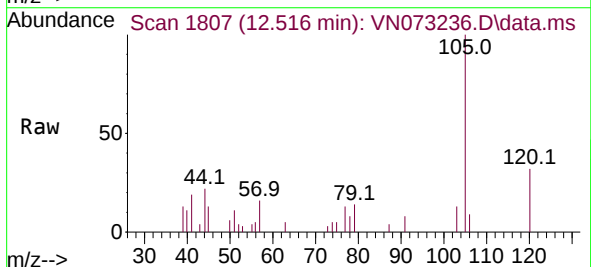
Instrument :
MSVOA_N
ClientSampleId :
MW-4DL

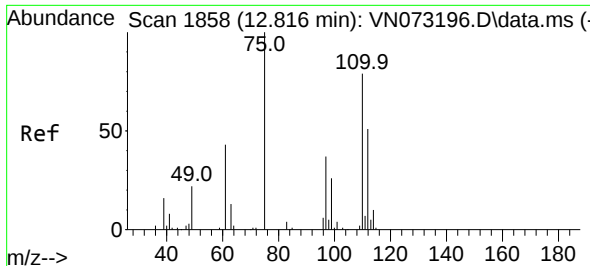
Tgt Ion:152 Resp: 204298
Ion Ratio Lower Upper
152 100
115 61.1 28.9 86.7
150 157.2 0.0 356.2



#73
Isopropylbenzene
Concen: 0.392 ug/l
RT: 12.516 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VN073236.D
Acq: 29 Jun 2022 12:09

Tgt Ion:105 Resp: 6920
Ion Ratio Lower Upper
105 100
120 29.1 13.5 40.4

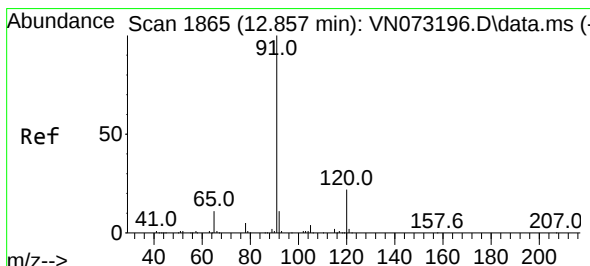
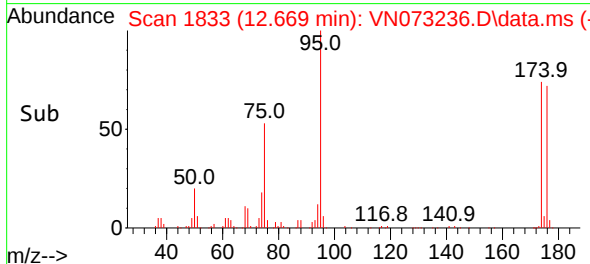
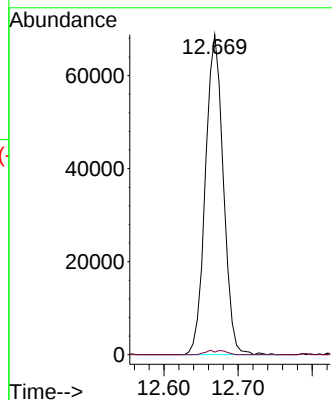
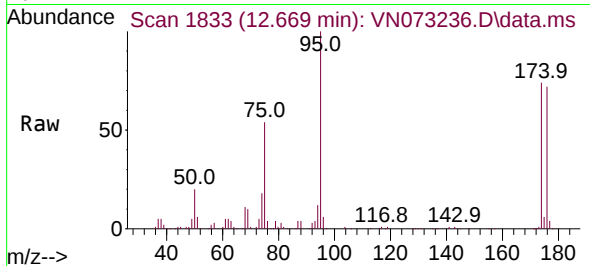




#76
1,2,3-Trichloropropane
Concen: 21.596 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.148 min
Lab File: VN073236.D
Acq: 29 Jun 2022 12:09

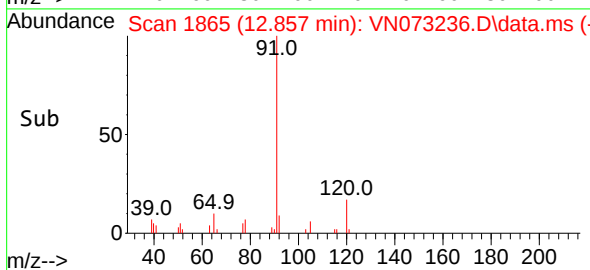
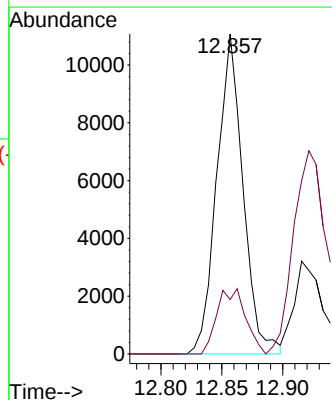
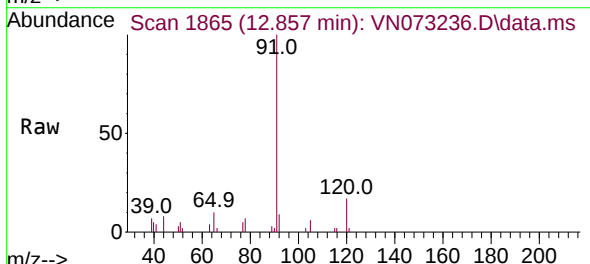
Instrument :
MSVOA_N
ClientSampleId :
MW-4DL

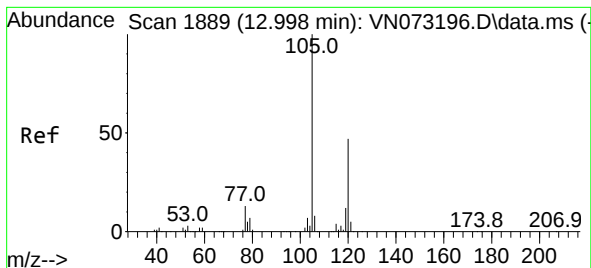
Tgt Ion: 75 Resp: 115366
Ion Ratio Lower Upper
75 100
77 0.7 98.5 295.5#



#78
n-propylbenzene
Concen: 0.845 ug/l
RT: 12.857 min Scan# 1865
Delta R.T. -0.000 min
Lab File: VN073236.D
Acq: 29 Jun 2022 12:09

Tgt Ion: 91 Resp: 16568
Ion Ratio Lower Upper
91 100
120 22.3 11.9 35.5





#80

1,3,5-Trimethylbenzene

Concen: 1.526 ug/l

RT: 12.998 min Scan# 1889

Delta R.T. -0.000 min

Lab File: VN073236.D

Acq: 29 Jun 2022 12:09

Instrument :

MSVOA_N

ClientSampleId :

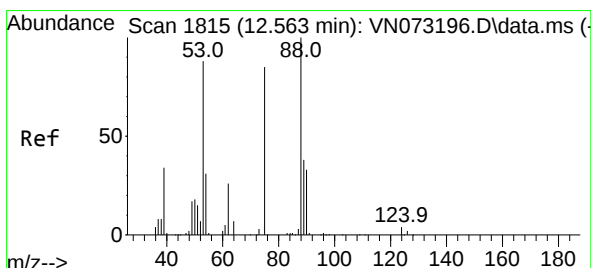
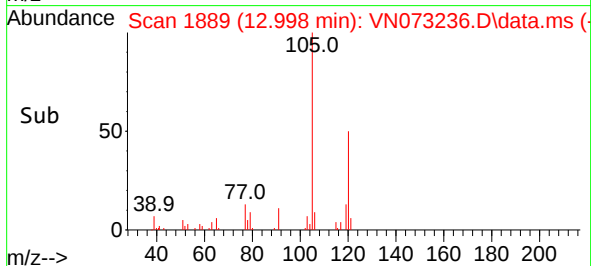
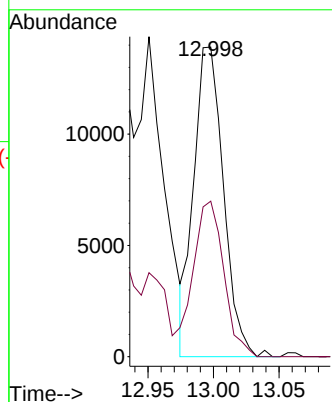
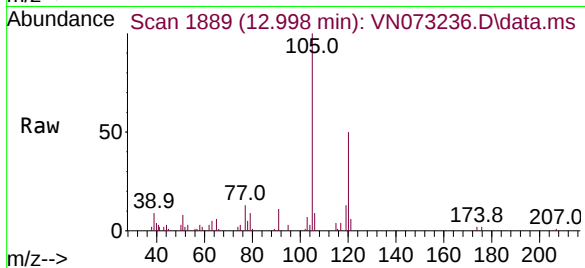
MW-4DL

Tgt Ion:105 Resp: 21939

Ion Ratio Lower Upper

105 100

120 52.4 24.9 74.7



#81

trans-1,4-Dichloro-2-butene

Concen: 59.226 ug/l

RT: 12.669 min Scan# 1833

Delta R.T. 0.105 min

Lab File: VN073236.D

Acq: 29 Jun 2022 12:09

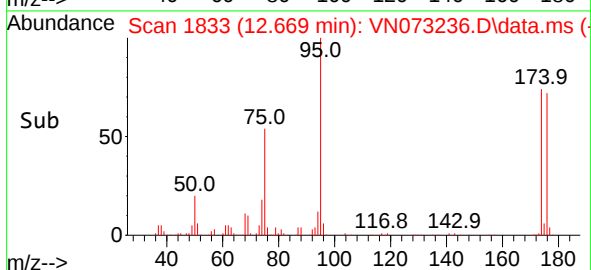
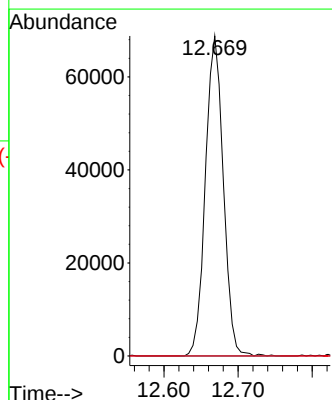
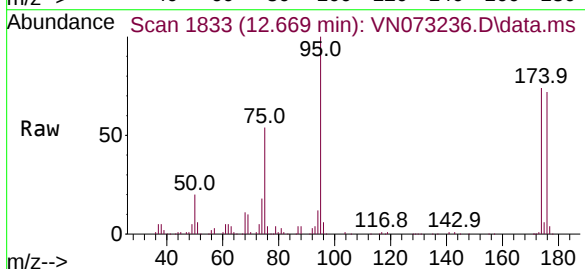
Tgt Ion: 75 Resp: 115366

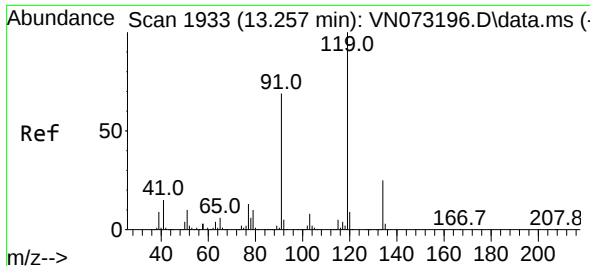
Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.0 37.2 55.8#

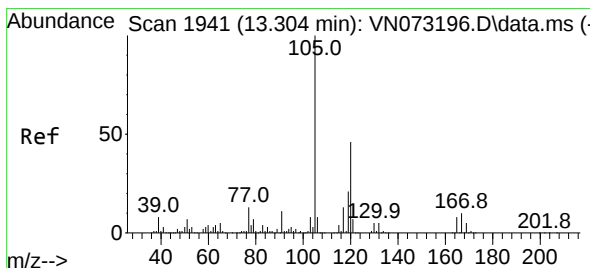
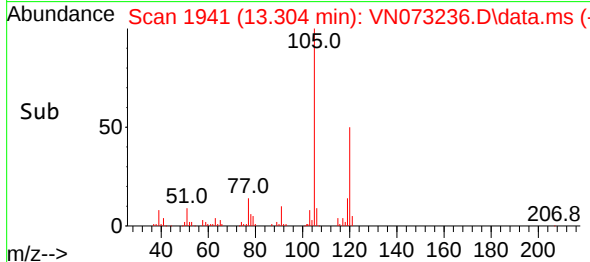
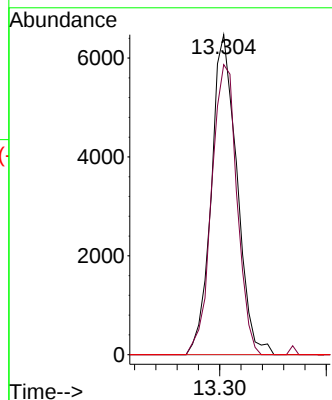
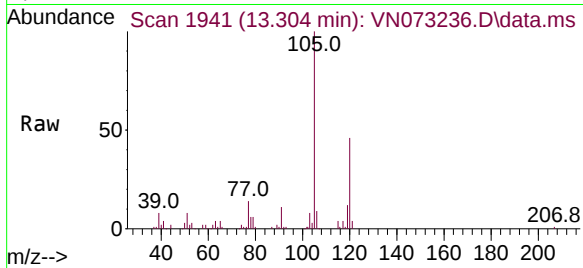




#83
tert-Butylbenzene
Concen: 0.837 ug/l
RT: 13.304 min Scan# 1941
Delta R.T. 0.047 min
Lab File: VN073236.D
Acq: 29 Jun 2022 12:09

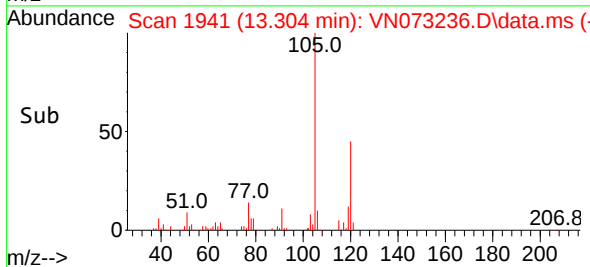
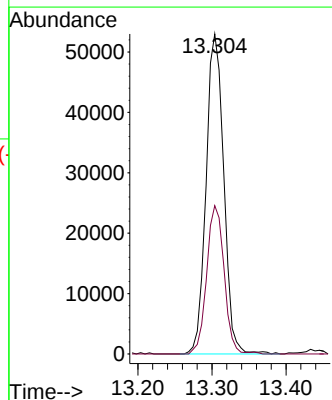
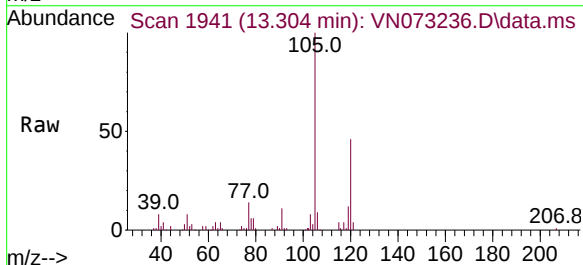
Instrument :
MSVOA_N
ClientSampleId :
MW-4DL

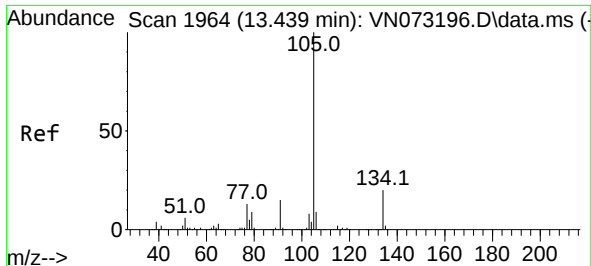
Tgt Ion:119 Resp: 10787
Ion Ratio Lower Upper
119 100
91 90.0 31.6 94.8
134 0.0 13.7 41.1#



#84
1,2,4-Trimethylbenzene
Concen: 6.117 ug/l
RT: 13.304 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VN073236.D
Acq: 29 Jun 2022 12:09

Tgt Ion:105 Resp: 87819
Ion Ratio Lower Upper
105 100
120 45.8 23.3 69.8

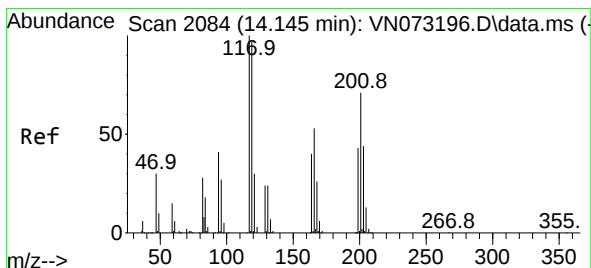
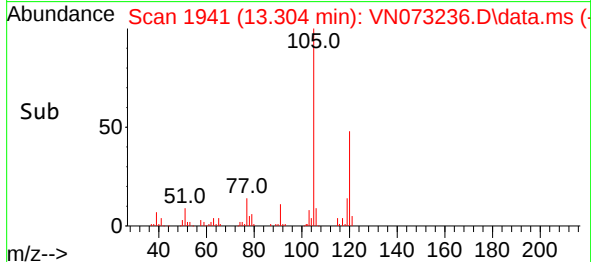
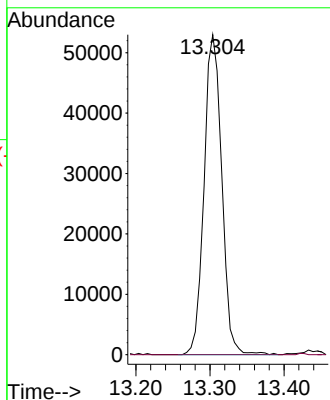
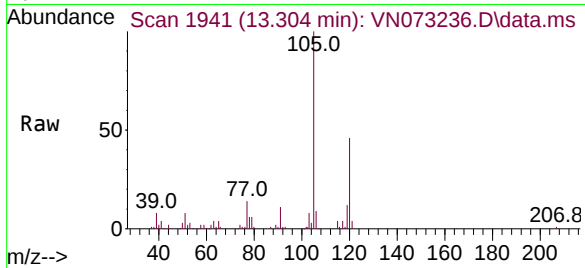




#85
 sec-Butylbenzene
 Concen: 5.073 ug/l
 RT: 13.304 min Scan# 1964
 Delta R.T. -0.135 min
 Lab File: VN073236.D
 Acq: 29 Jun 2022 12:09

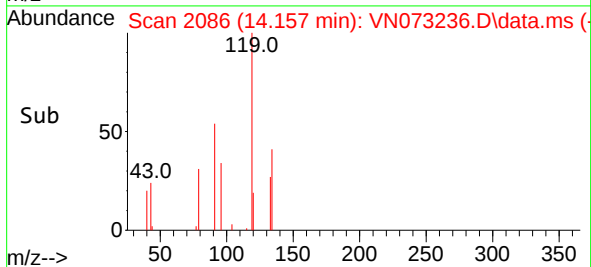
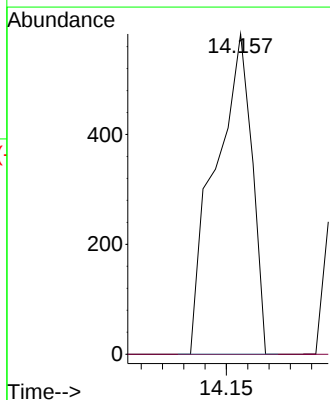
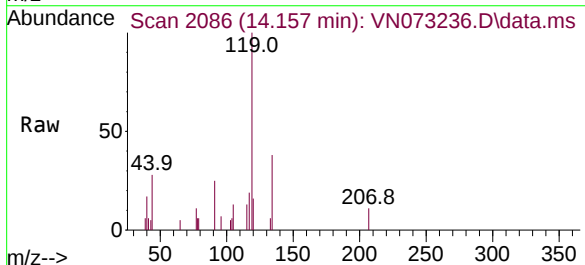
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4DL

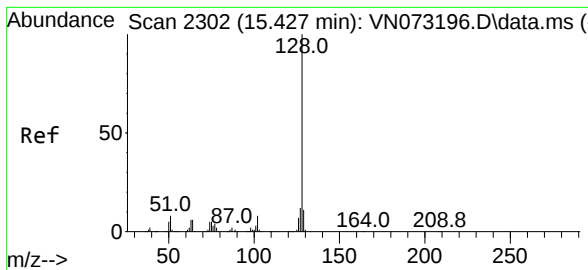
Tgt Ion:105 Resp: 87819
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1#



#90
 Hexachloroethane
 Concen: 0.268 ug/l
 RT: 14.157 min Scan# 2086
 Delta R.T. 0.012 min
 Lab File: VN073236.D
 Acq: 29 Jun 2022 12:09

Tgt Ion:117 Resp: 699
 Ion Ratio Lower Upper
 117 100
 201 0.0 40.6 122.0#





#95
 Naphthalene
 Concen: 1.447 ug/l
 RT: 15.433 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN073236.D
 Acq: 29 Jun 2022 12:09

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4DL

Tgt Ion:	128	Resp:	22777
Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.3	15.5
129	10.6	8.6	13.0

