

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060922\
 Data File : VN072754.D
 Acq On : 10 Jun 2022 01:37
 Operator : JC\MD
 Sample : N3202-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-16

Quant Time: Jun 10 03:02:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060822W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 09 05:17:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	170228	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	328627	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	302293	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	119742	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	259999	56.907	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 113.820%	
35) Dibromofluoromethane	8.016	113	186097	57.230	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 114.460%	
50) Toluene-d8	10.439	98	639196	49.269	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 98.540%	
62) 4-Bromofluorobenzene	12.727	95	241843	54.324	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 108.640%	

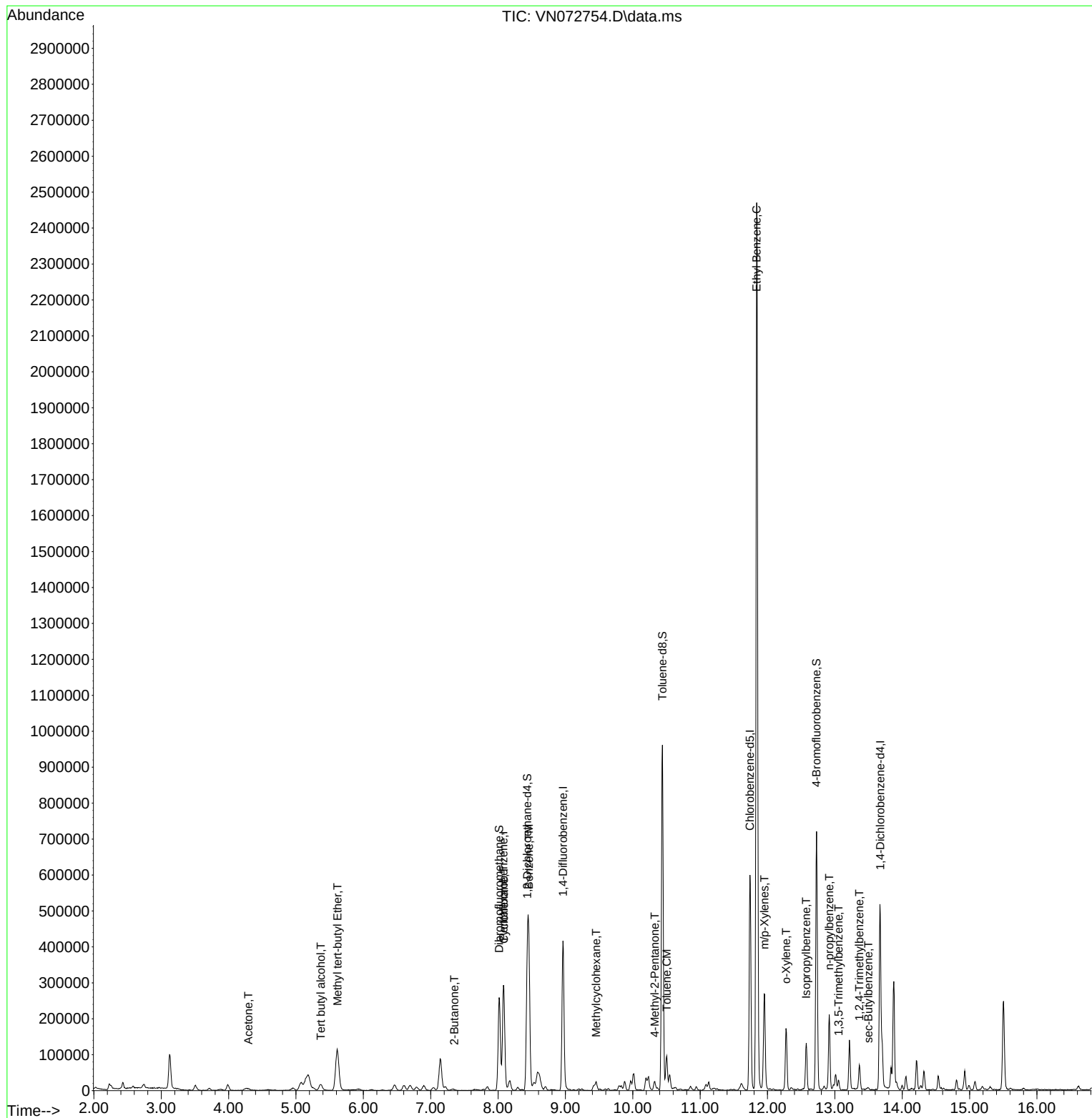
Target Compounds				Qvalue		
11) Tert butyl alcohol	5.369	59	31185	28.613	ug/l	# 88
16) Acetone	4.293	43	9943	4.542	ug/l	93
19) Methyl tert-butyl Ether	5.616	73	143708	12.935	ug/l	# 68
25) 2-Butanone	7.351	43	5501	1.562	ug/l	# 81
31) Cyclohexane	8.087	56	28347	5.224	ug/l	# 85
39) Methylcyclohexane	9.457	83	9482	1.810	ug/l	95
40) Benzene	8.457	78	337263	24.623	ug/l	99
51) 4-Methyl-2-Pentanone	10.328	43	9971	1.402	ug/l	# 86
52) Toluene	10.504	92	38564	4.509	ug/l	97
67) Ethyl Benzene	11.839	91	1747605	115.382	ug/l	98
68) m/p-Xylenes	11.957	106	78237	14.535	ug/l	89
69) o-Xylene	12.274	106	44375	8.201	ug/l	88
73) Isopropylbenzene	12.574	105	81791	6.368	ug/l	98
78) n-propylbenzene	12.916	91	162253	11.570	ug/l	94
80) 1,3,5-Trimethylbenzene	13.057	105	9910	0.974	ug/l	90
84) 1,2,4-Trimethylbenzene	13.363	105	37547	3.856	ug/l	92
85) sec-Butylbenzene	13.498	105	3703	0.307	ug/l	94

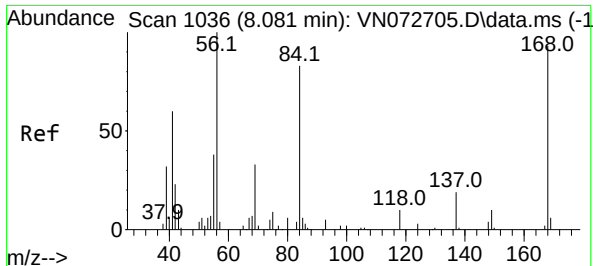
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 10 03:02:02 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060822W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 09 05:17:31 2022
Response via : Initial Calibration

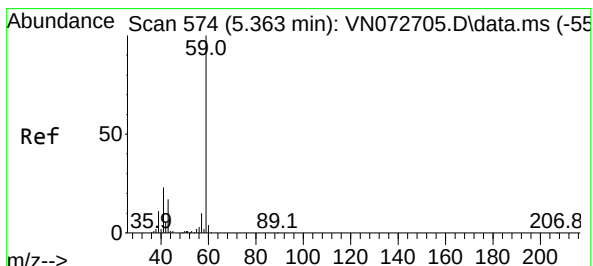
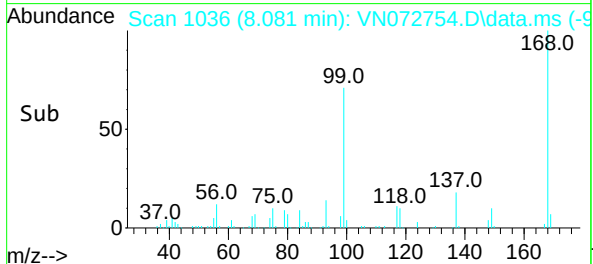
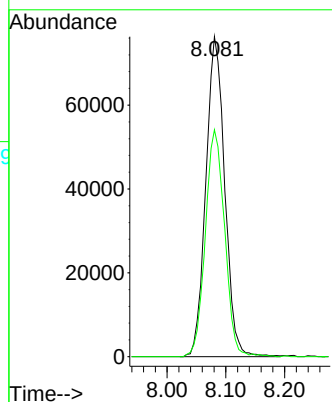
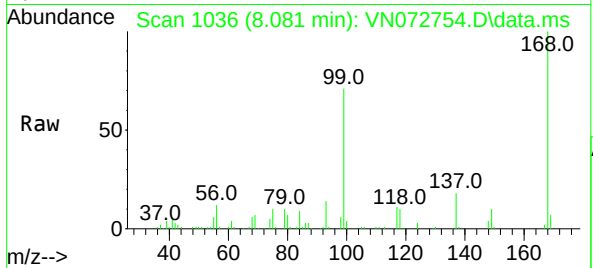




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN072754.D
Acq: 10 Jun 2022 01:37

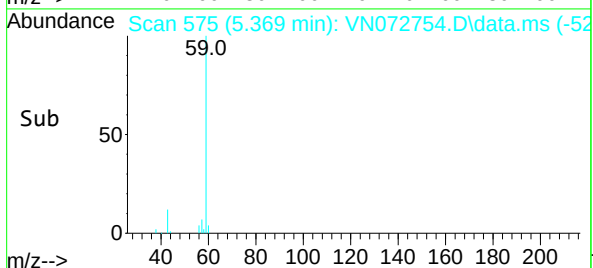
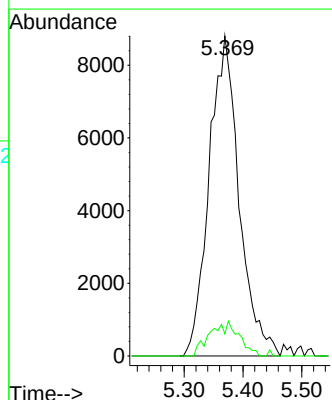
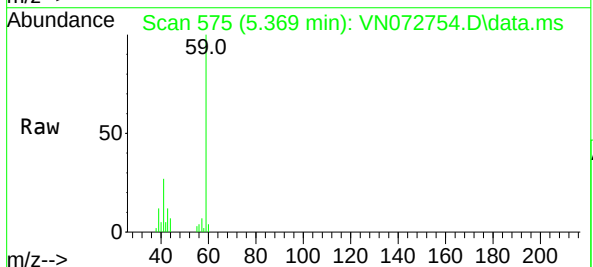
Instrument :
MSVOA_N
ClientSampleId :
MW-16

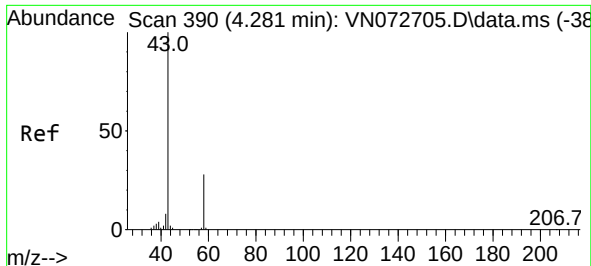
Tgt Ion:168 Resp: 170228
Ion Ratio Lower Upper
168 100
99 70.9 42.3 63.5#



#11
Tert butyl alcohol
Concen: 28.613 ug/l
RT: 5.369 min Scan# 575
Delta R.T. 0.006 min
Lab File: VN072754.D
Acq: 10 Jun 2022 01:37

Tgt Ion: 59 Resp: 31185
Ion Ratio Lower Upper
59 100
57 5.8 8.3 12.5#

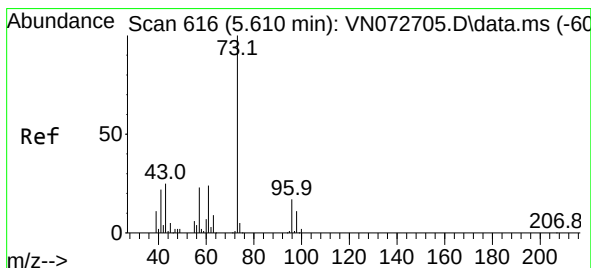
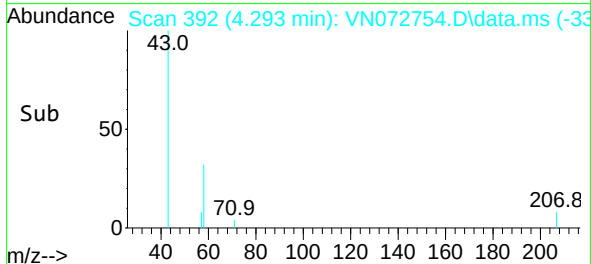
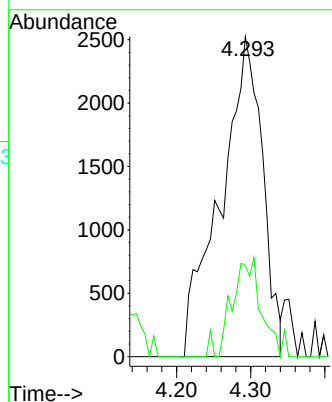
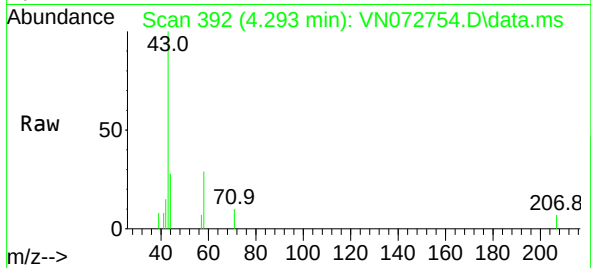




#16
Acetone
Concen: 4.542 ug/l
RT: 4.293 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN072754.D
Acq: 10 Jun 2022 01:37

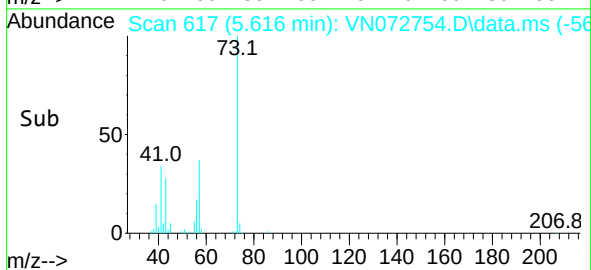
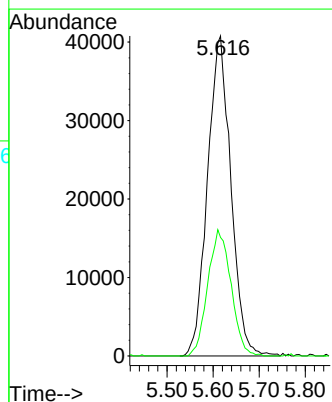
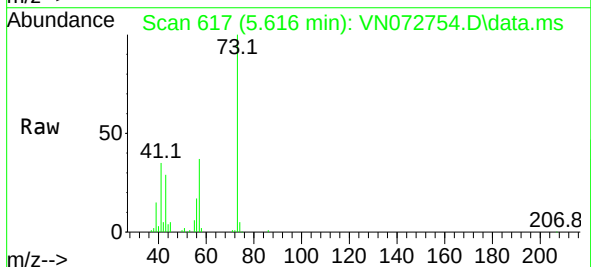
Instrument :
MSVOA_N
ClientSampleId :
MW-16

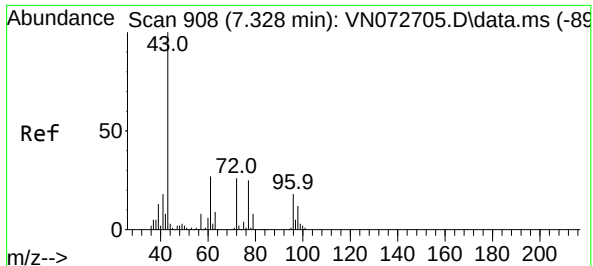
Tgt Ion: 43 Resp: 9943
Ion Ratio Lower Upper
43 100
58 28.6 26.0 39.0



#19
Methyl tert-butyl Ether
Concen: 12.935 ug/l
RT: 5.616 min Scan# 617
Delta R.T. 0.006 min
Lab File: VN072754.D
Acq: 10 Jun 2022 01:37

Tgt Ion: 73 Resp: 143708
Ion Ratio Lower Upper
73 100
57 37.1 17.6 26.4#

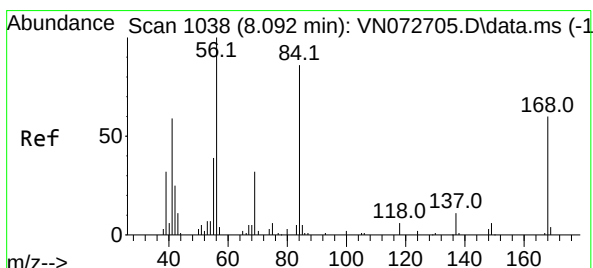
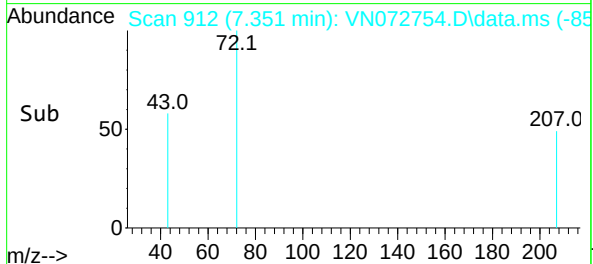
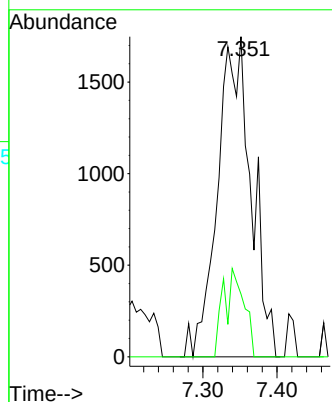
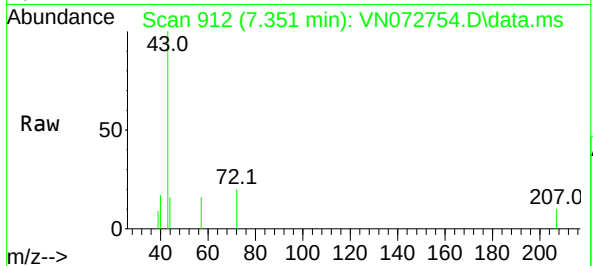




#25
2-Butanone
Concen: 1.562 ug/l
RT: 7.351 min Scan# 91
Delta R.T. 0.023 min
Lab File: VN072754.D
Acq: 10 Jun 2022 01:37

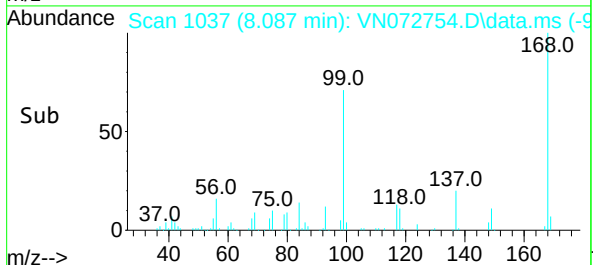
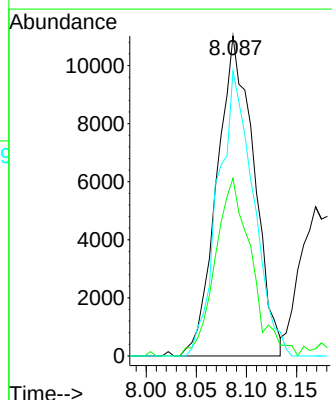
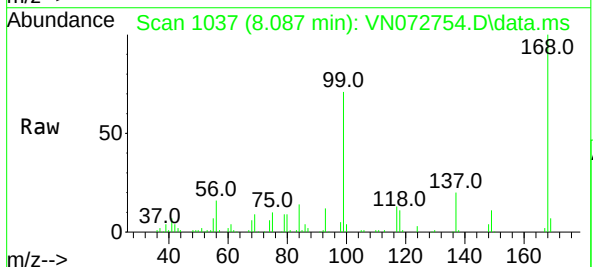
Instrument :
MSVOA_N
ClientSampleId :
MW-16

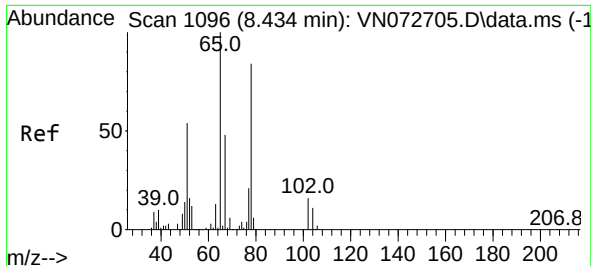
Tgt Ion: 43 Resp: 5501
Ion Ratio Lower Upper
43 100
72 19.6 23.7 35.5#



#31
Cyclohexane
Concen: 5.224 ug/l
RT: 8.087 min Scan# 1037
Delta R.T. -0.005 min
Lab File: VN072754.D
Acq: 10 Jun 2022 01:37

Tgt Ion: 56 Resp: 28347
Ion Ratio Lower Upper
56 100
69 55.5 27.8 41.8#
84 89.0 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 56.907 ug/l

RT: 8.434 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN072754.D

Acq: 10 Jun 2022 01:37

Instrument :

MSVOA_N

ClientSampleId :

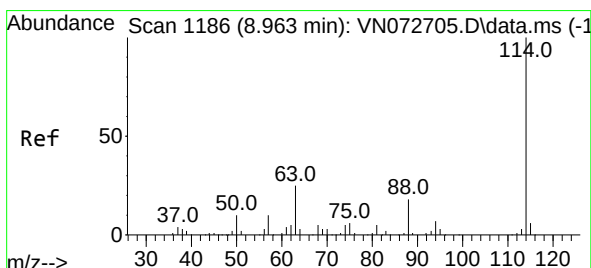
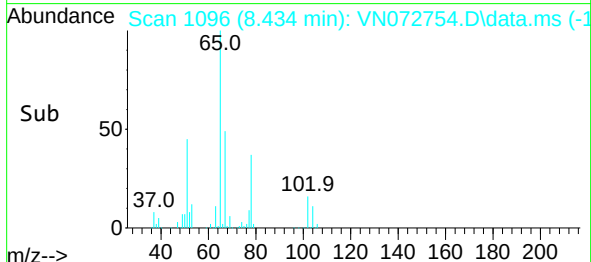
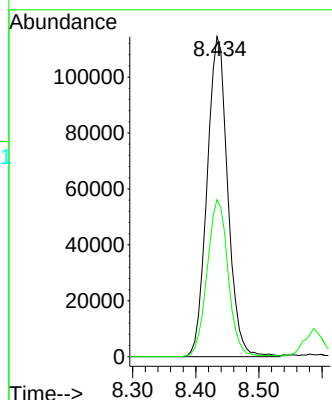
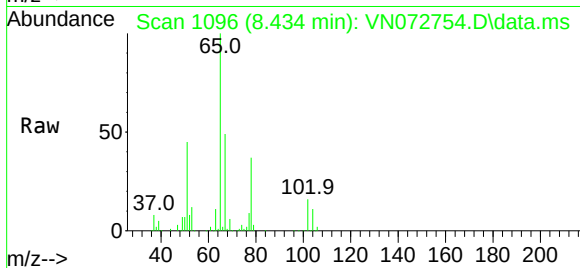
MW-16

Tgt Ion: 65 Resp: 259999

Ion Ratio Lower Upper

65 100

67 49.9 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: VN072754.D

Acq: 10 Jun 2022 01:37

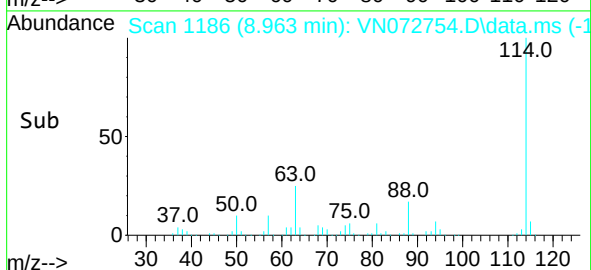
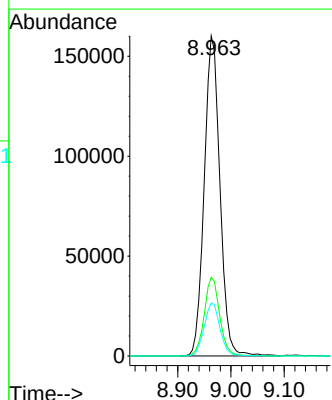
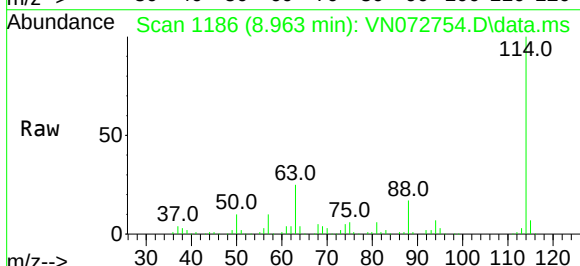
Tgt Ion: 114 Resp: 328627

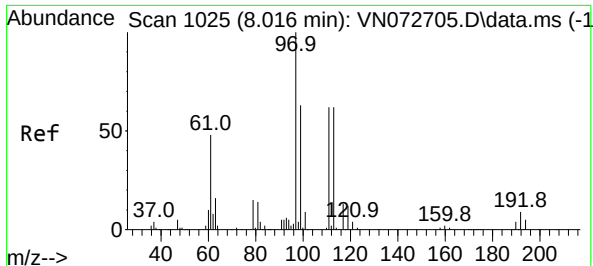
Ion Ratio Lower Upper

114 100

63 24.6 0.0 40.0

88 16.5 0.0 32.6

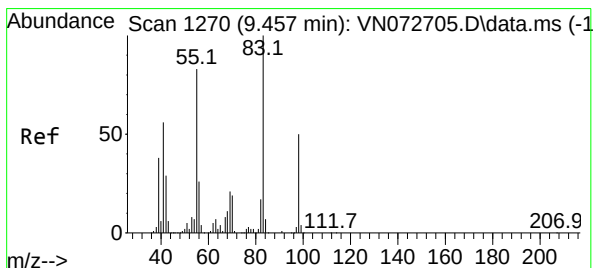
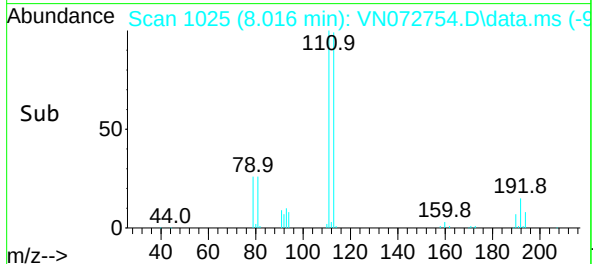
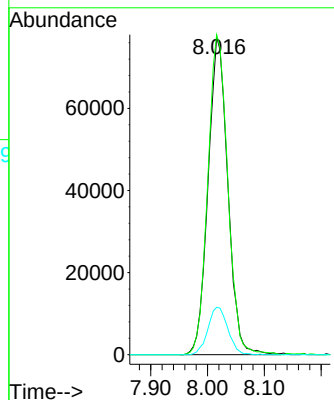
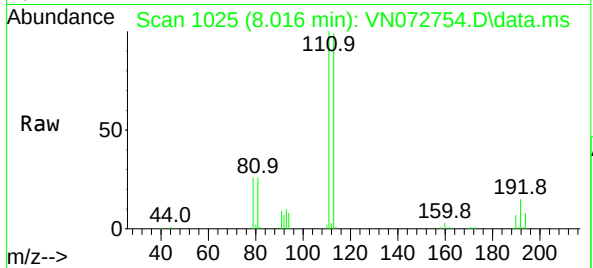




#35
Dibromofluoromethane
Concen: 57.230 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.000 min
Lab File: VN072754.D
Acq: 10 Jun 2022 01:37

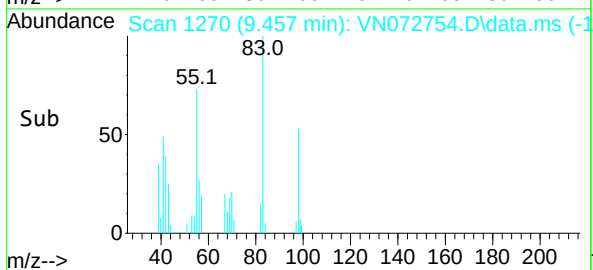
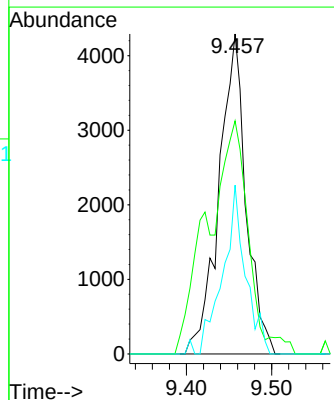
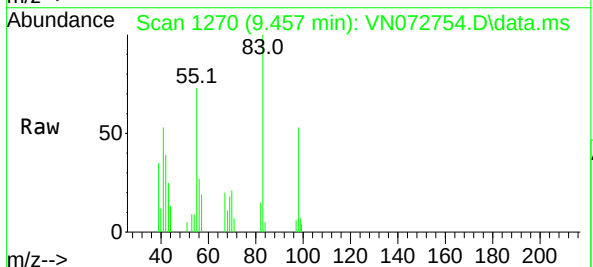
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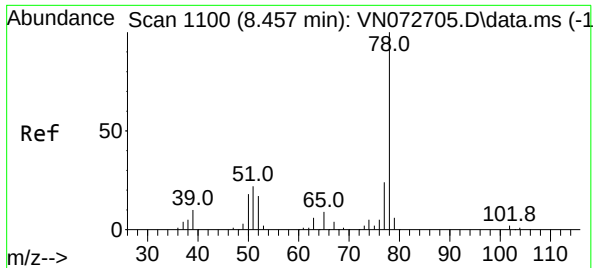
Tgt Ion:113 Resp: 186097
Ion Ratio Lower Upper
113 100
111 102.2 81.4 122.0
192 15.1 17.0 25.6#



#39
Methylcyclohexane
Concen: 1.810 ug/l
RT: 9.457 min Scan# 1270
Delta R.T. 0.000 min
Lab File: VN072754.D
Acq: 10 Jun 2022 01:37

Tgt Ion: 83 Resp: 9482
Ion Ratio Lower Upper
83 100
55 67.7 57.8 86.8
98 52.7 39.4 59.2

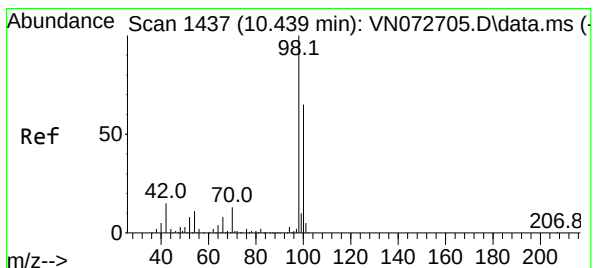
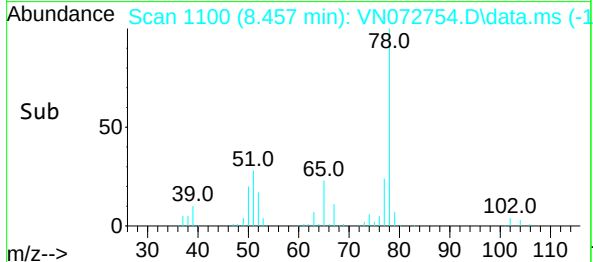
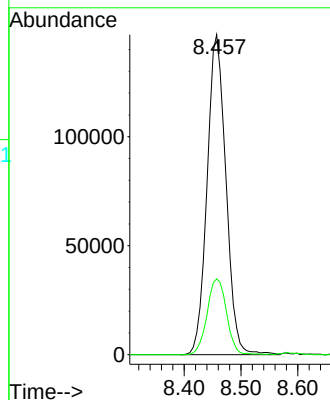
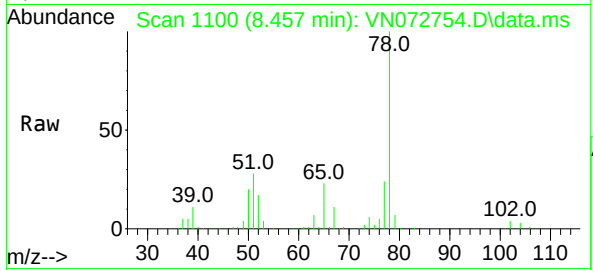




#40
Benzene
Concen: 24.623 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VN072754.D
Acq: 10 Jun 2022 01:37

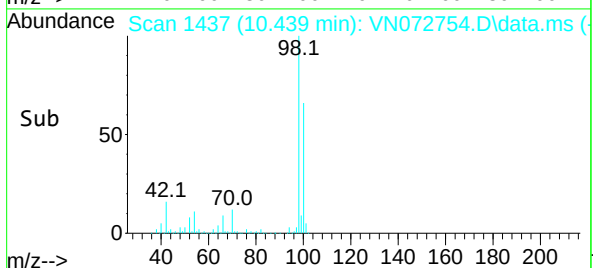
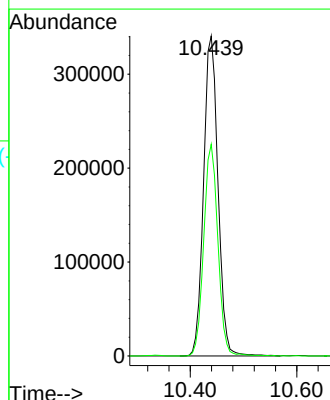
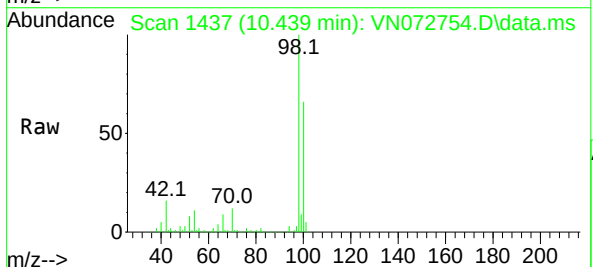
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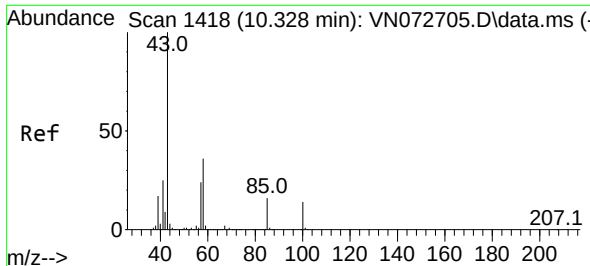
Tgt Ion: 78 Resp: 337263
Ion Ratio Lower Upper
78 100
77 23.7 19.4 29.0



#50
Toluene-d8
Concen: 49.269 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072754.D
Acq: 10 Jun 2022 01:37

Tgt Ion: 98 Resp: 639196
Ion Ratio Lower Upper
98 100
100 65.1 52.6 78.8

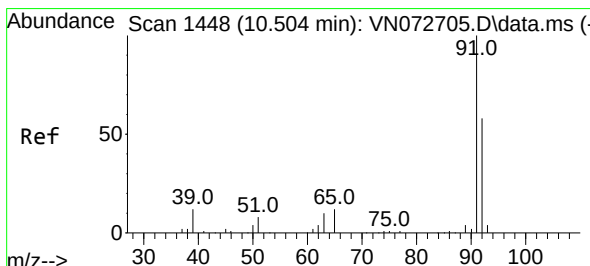
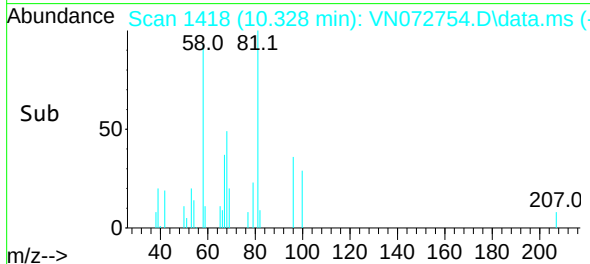
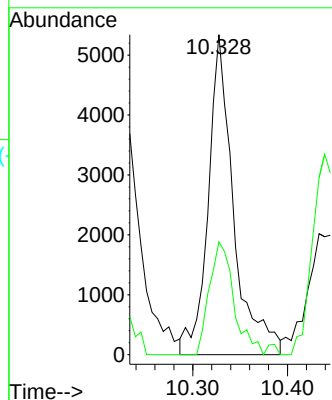
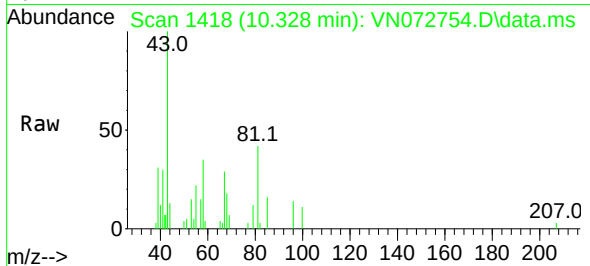




#51
4-Methyl-2-Pentanone
Concen: 1.402 ug/l
RT: 10.328 min Scan# 1418
Delta R.T. -0.000 min
Lab File: VN072754.D
Acq: 10 Jun 2022 01:37

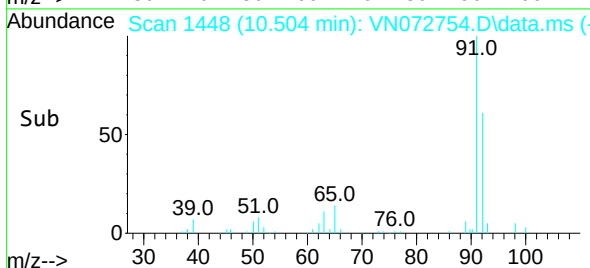
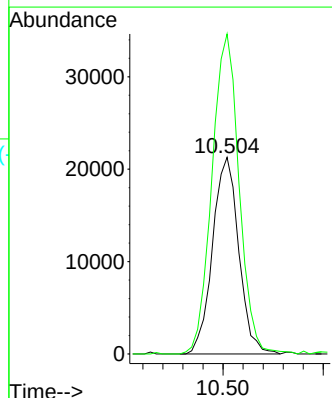
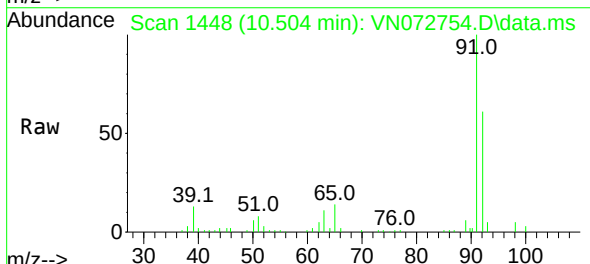
Instrument :
MSVOA_N
ClientSampleId :
MW-16

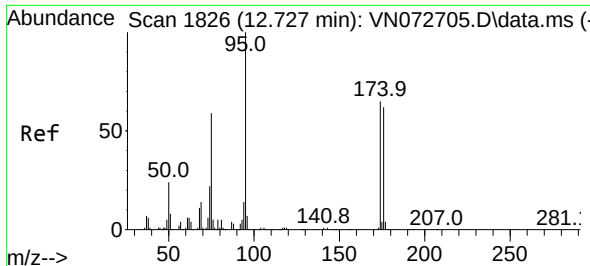
Tgt Ion: 43 Resp: 9971
Ion Ratio Lower Upper
43 100
58 34.0 34.1 51.1#



#52
Toluene
Concen: 4.509 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN072754.D
Acq: 10 Jun 2022 01:37

Tgt Ion: 92 Resp: 38564
Ion Ratio Lower Upper
92 100
91 168.7 138.6 207.8

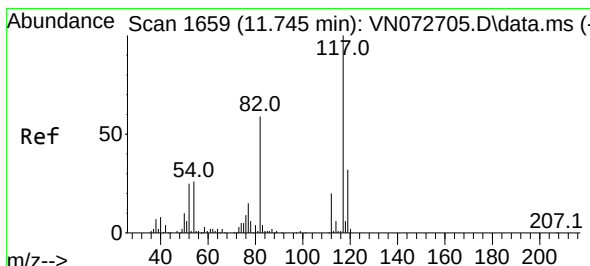
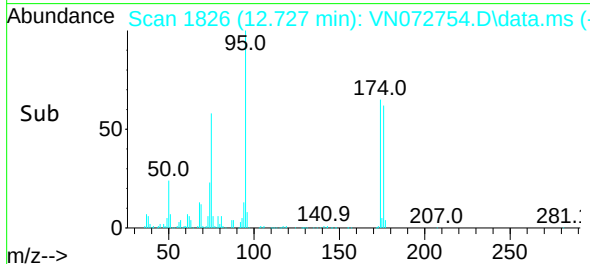
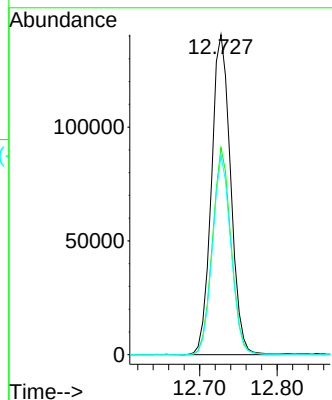
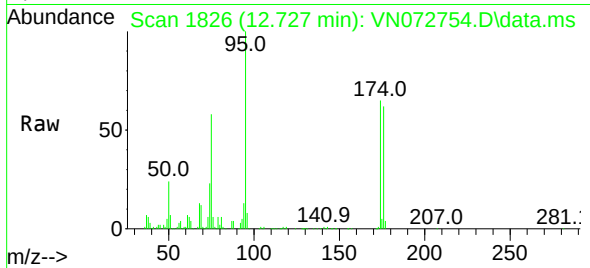




#62
4-Bromofluorobenzene
Concen: 54.324 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072754.D
Acq: 10 Jun 2022 01:37

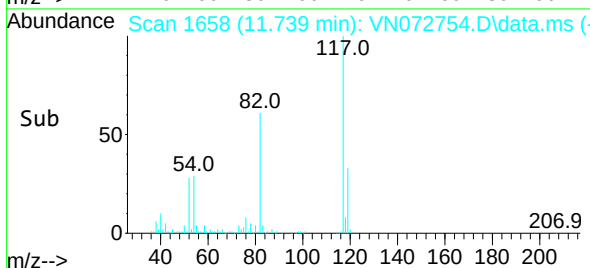
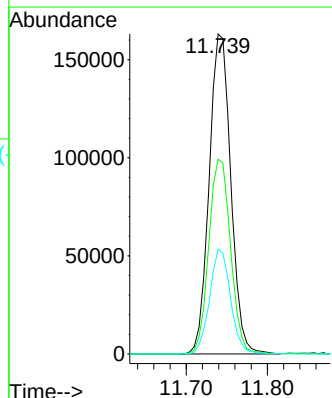
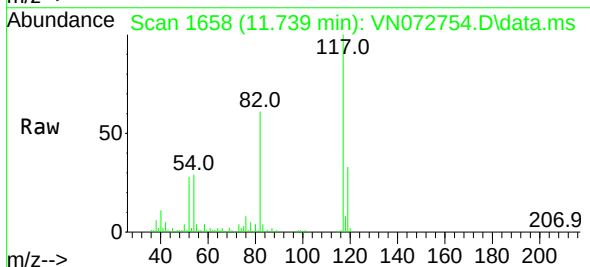
Instrument :
MSVOA_N
ClientSampleId :
MW-16

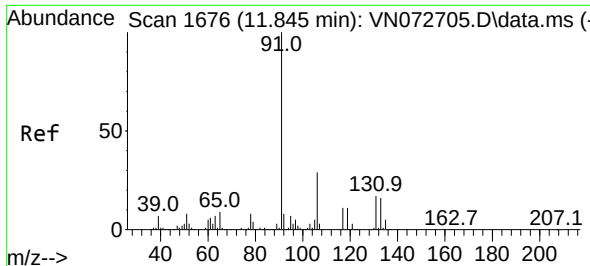
Tgt Ion: 95 Resp: 241843
Ion Ratio Lower Upper
95 100
174 62.9 0.0 167.6
176 59.9 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.006 min
Lab File: VN072754.D
Acq: 10 Jun 2022 01:37

Tgt Ion: 117 Resp: 302293
Ion Ratio Lower Upper
117 100
82 60.8 44.2 66.2
119 32.8 25.4 38.0

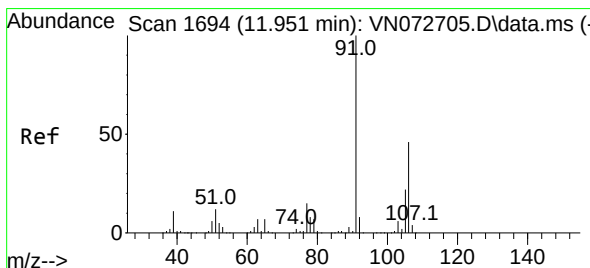
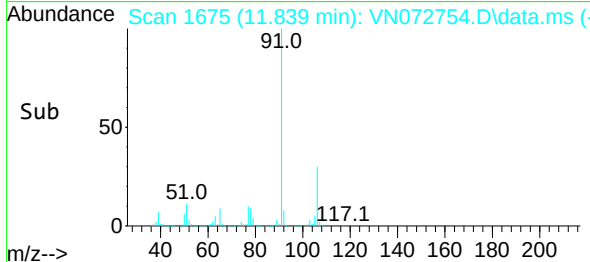
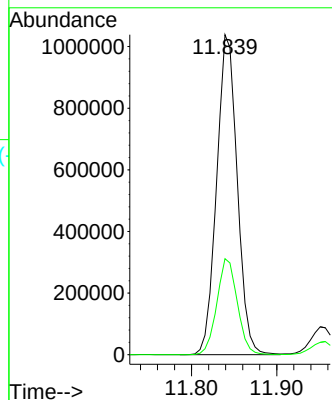
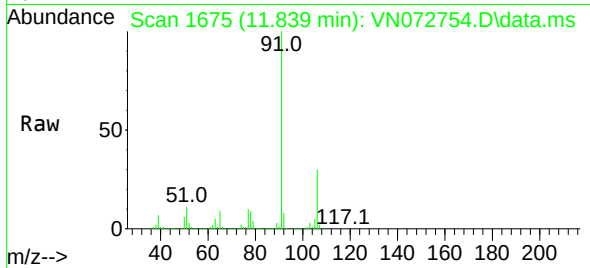




#67
Ethyl Benzene
Concen: 115.382 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VN072754.D
Acq: 10 Jun 2022 01:37

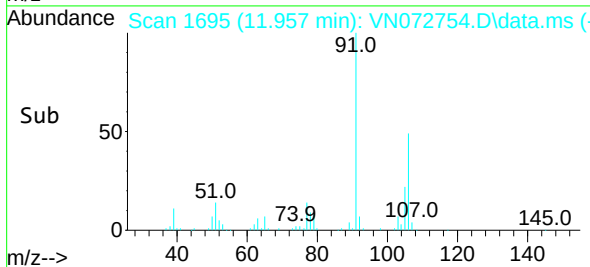
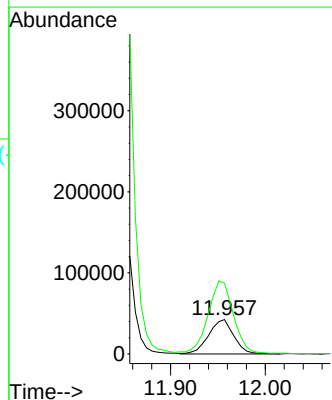
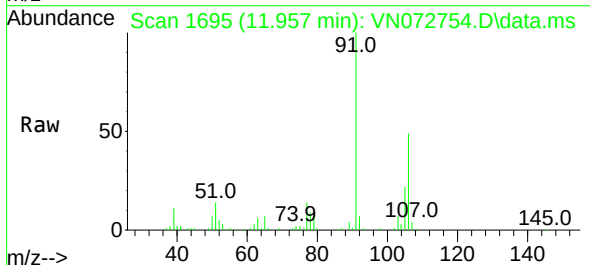
Instrument :
MSVOA_N
ClientSampleId :
MW-16

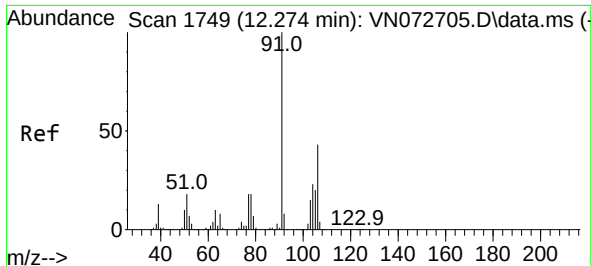
Tgt Ion: 91 Resp: 1747605
Ion Ratio Lower Upper
91 100
106 30.0 24.9 37.3



#68
m/p-Xylenes
Concen: 14.535 ug/l
RT: 11.957 min Scan# 1695
Delta R.T. 0.006 min
Lab File: VN072754.D
Acq: 10 Jun 2022 01:37

Tgt Ion: 106 Resp: 78237
Ion Ratio Lower Upper
106 100
91 215.5 158.9 238.3

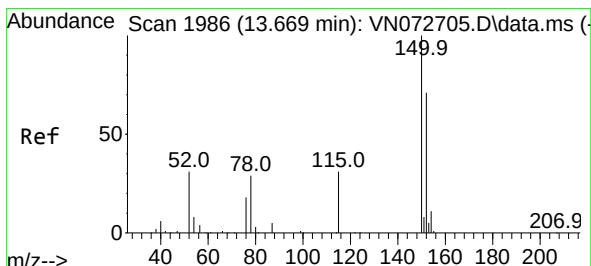
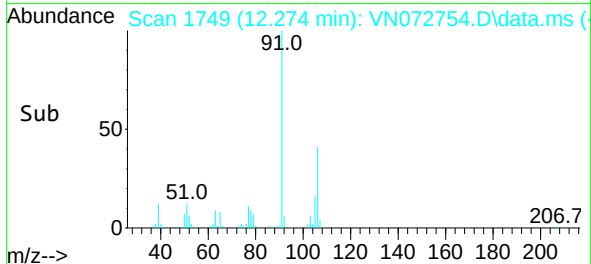
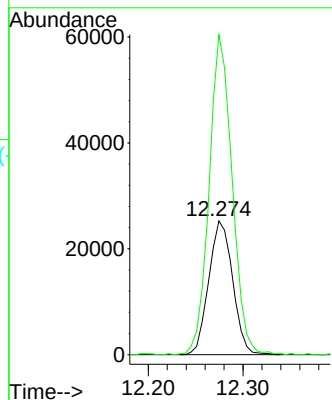
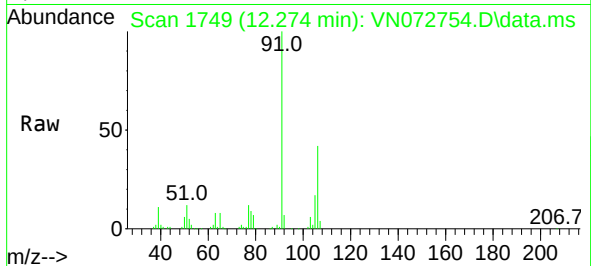




#69
o-Xylene
Concen: 8.201 ug/l
RT: 12.274 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VN072754.D
Acq: 10 Jun 2022 01:37

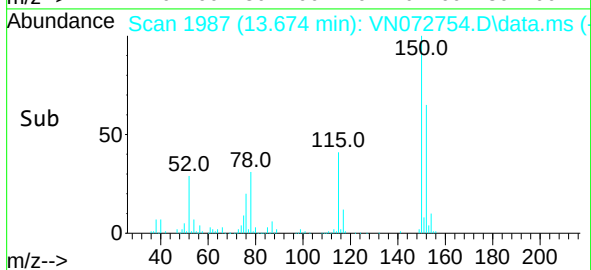
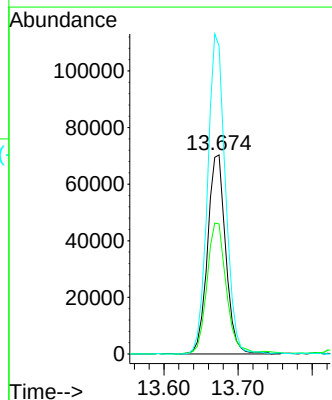
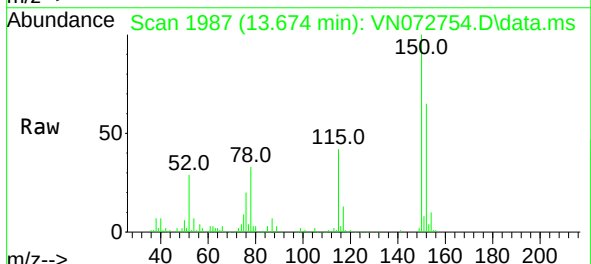
Instrument :
MSVOA_N
ClientSampleId :
MW-16

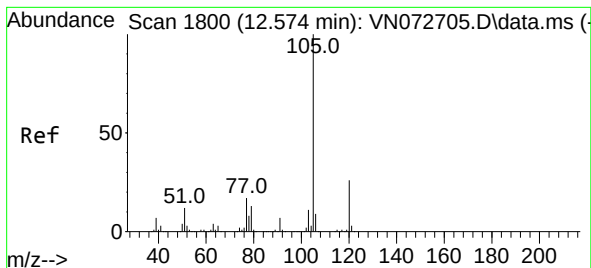
Tgt Ion:106 Resp: 44375
Ion Ratio Lower Upper
106 100
91 230.3 106.0 318.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.005 min
Lab File: VN072754.D
Acq: 10 Jun 2022 01:37

Tgt Ion:152 Resp: 119742
Ion Ratio Lower Upper
152 100
115 69.9 28.9 86.7
150 157.5 0.0 356.2





#73

Isopropylbenzene

Concen: 6.368 ug/l

RT: 12.574 min Scan# 1800

Delta R.T. 0.000 min

Lab File: VN072754.D

Acq: 10 Jun 2022 01:37

Instrument :

MSVOA_N

ClientSampleId :

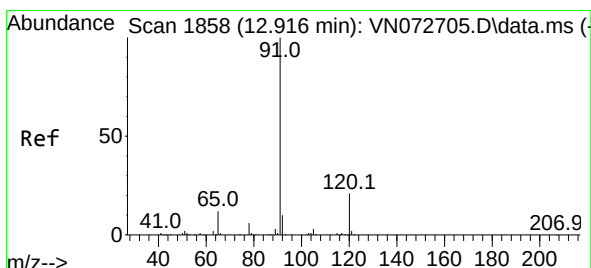
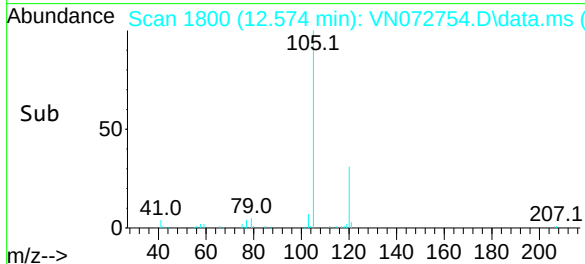
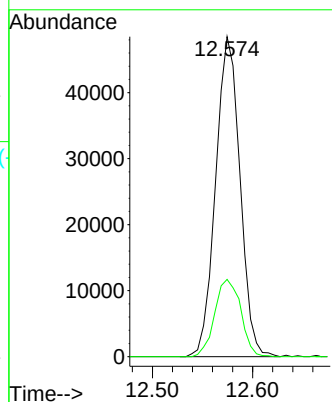
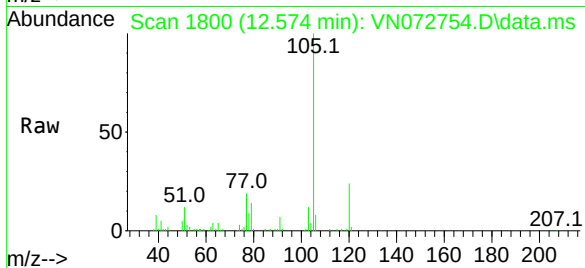
MW-16

Tgt Ion:105 Resp: 81791

Ion Ratio Lower Upper

105 100

120 25.8 13.5 40.4



#78

n-propylbenzene

Concen: 11.570 ug/l

RT: 12.916 min Scan# 1858

Delta R.T. -0.000 min

Lab File: VN072754.D

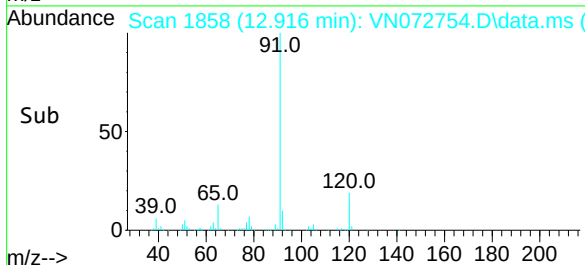
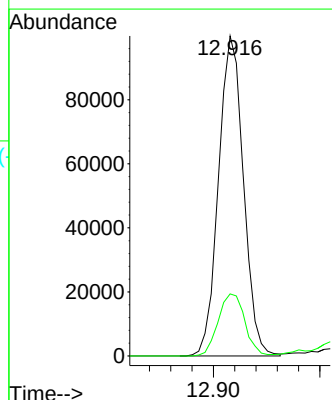
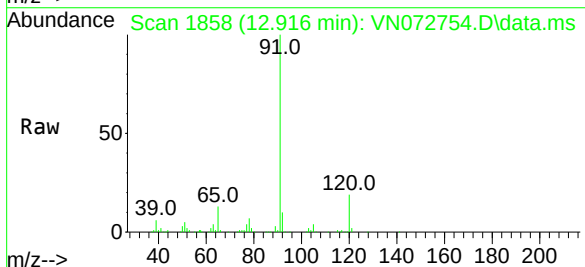
Acq: 10 Jun 2022 01:37

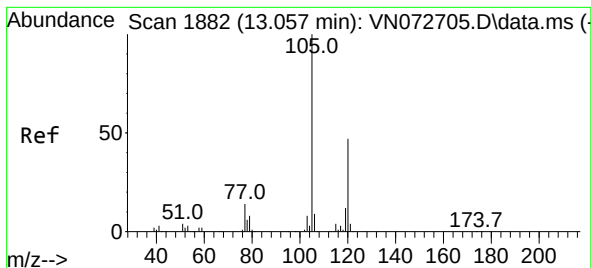
Tgt Ion: 91 Resp: 162253

Ion Ratio Lower Upper

91 100

120 20.8 11.9 35.5





#80

1,3,5-Trimethylbenzene

Concen: 0.974 ug/l

RT: 13.057 min Scan# 1882

Delta R.T. -0.000 min

Lab File: VN072754.D

Acq: 10 Jun 2022 01:37

Instrument :

MSVOA_N

ClientSampleId :

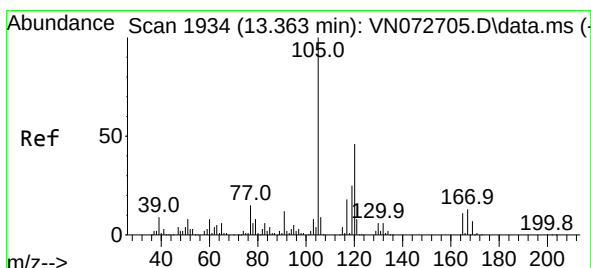
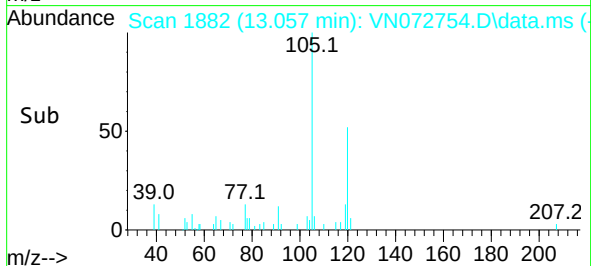
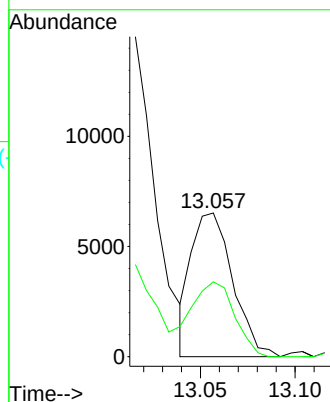
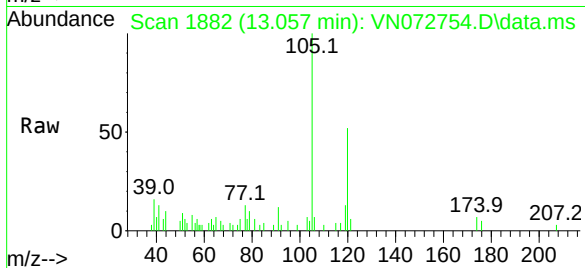
MW-16

Tgt Ion:105 Resp: 9910

Ion Ratio Lower Upper

105 100

120 56.4 24.9 74.7



#84

1,2,4-Trimethylbenzene

Concen: 3.856 ug/l

RT: 13.363 min Scan# 1934

Delta R.T. -0.000 min

Lab File: VN072754.D

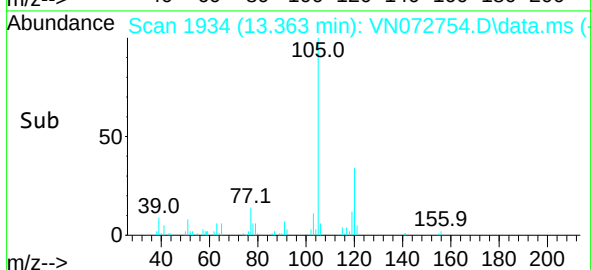
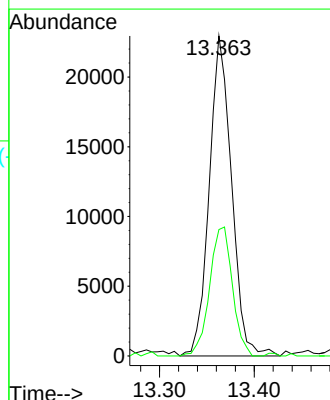
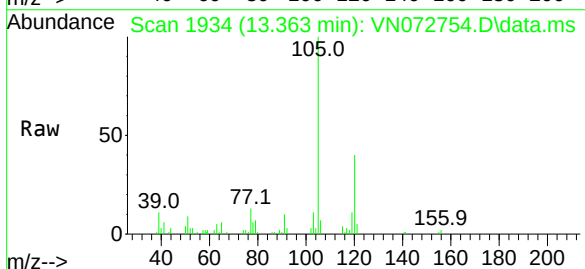
Acq: 10 Jun 2022 01:37

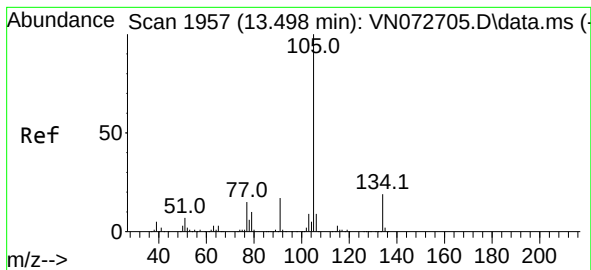
Tgt Ion:105 Resp: 37547

Ion Ratio Lower Upper

105 100

120 41.2 23.3 69.8





#85
 sec-Butylbenzene
 Concen: 0.307 ug/l
 RT: 13.498 min Scan# 1957
 Delta R.T. -0.000 min
 Lab File: VN072754.D
 Acq: 10 Jun 2022 01:37

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-16

Tgt Ion:105 Resp: 3703
 Ion Ratio Lower Upper
 105 100
 134 17.8 10.4 31.1

