

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061022\
 Data File : VN072776.D
 Acq On : 10 Jun 2022 19:50
 Operator : JC\MD
 Sample : N3293-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 52322-A

Quant Time: Jun 11 01:56:42 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)

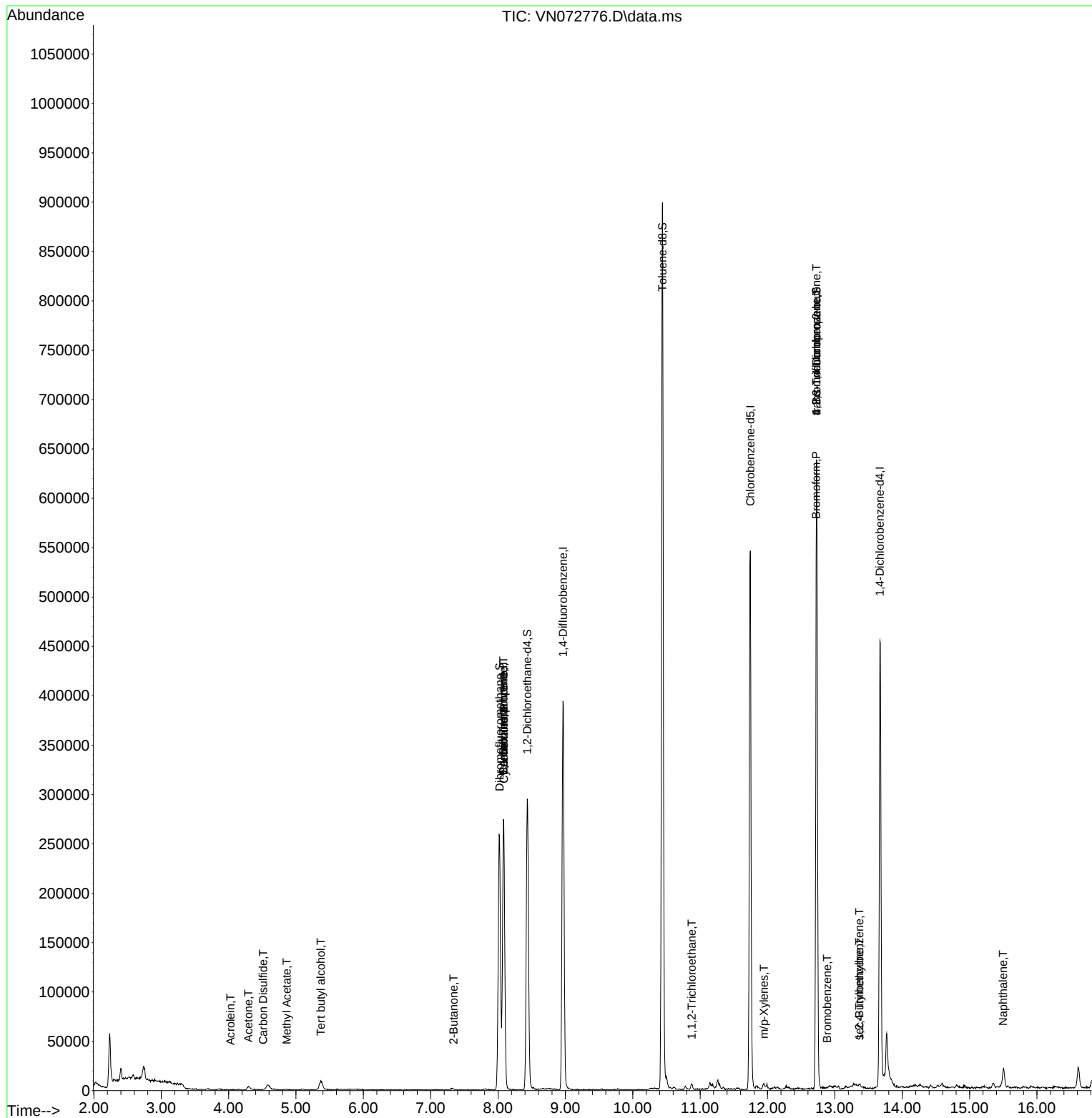
Internal Standards						
1) Pentafluorobenzene	8.081	168	171635	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	324934	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.745	117	285675	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	108330	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	250775	54.439	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 108.880%	
35) Dibromofluoromethane	8.022	113	183198	56.979	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 113.960%	
50) Toluene-d8	10.439	98	584544	45.568	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 91.140%	
62) 4-Bromofluorobenzene	12.727	95	222744	50.602	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 101.200%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.293	50	766	Below Cal		93
5) Bromomethane	2.810	94	55	Below Cal	#	2
6) Chloroethane	2.857	64	505	Below Cal	#	42
11) Tert butyl alcohol	5.369	59	15480	14.087	ug/l	96
13) Acrolein	4.028	56	156	0.344	ug/l	89
16) Acetone	4.293	43	7170	3.248	ug/l	# 79
17) Carbon Disulfide	4.510	76	1062	0.467	ug/l	# 75
18) Methyl Acetate	4.863	43	1401	0.244	ug/l	# 57
20) Methylene Chloride	5.087	84	262	Below Cal	#	63
25) 2-Butanone	7.339	43	1131	0.319	ug/l	# 45
31) Cyclohexane	8.086	56	13360	2.058	ug/l	# 62
36) 1,1-Dichloropropene	8.081	75	18147	4.066	ug/l	# 50
38) Carbon Tetrachloride	8.081	117	20933	4.389	ug/l	# 16
55) 1,1,2-Trichloroethane	10.874	97	2265	0.621	ug/l	# 26
68) m/p-Xylenes	11.945	106	1500	0.295	ug/l	# 59
71) Bromoform	12.721	173	804	0.377	ug/l	# 28
76) 1,2,3-Trichloropropane	12.727	75	130468	37.322	ug/l	# 1
77) Bromobenzene	12.886	156	479	0.209	ug/l	# 13
81) trans-1,4-Dichloro-2-b...	12.727	75	130468	97.607	ug/l	# 11
84) 1,2,4-Trimethylbenzene	13.363	105	2423	0.275	ug/l	72
85) sec-Butylbenzene	13.363	105	2423	0.222	ug/l	# 56
95) Naphthalene	15.498	128	18870	2.651	ug/l	97

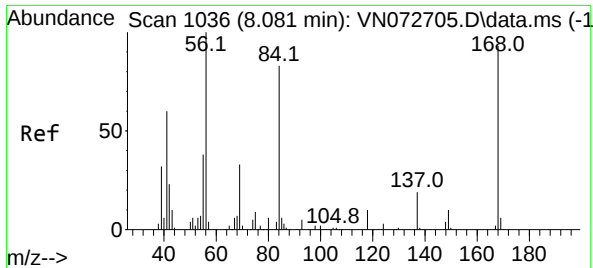
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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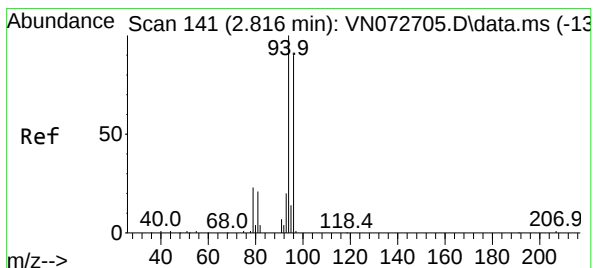
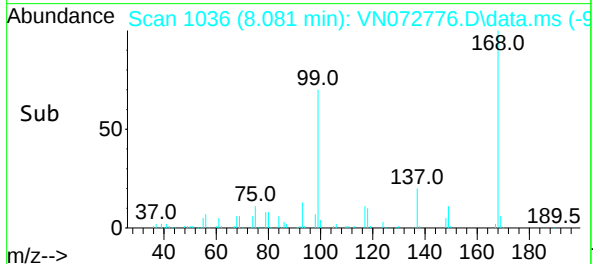
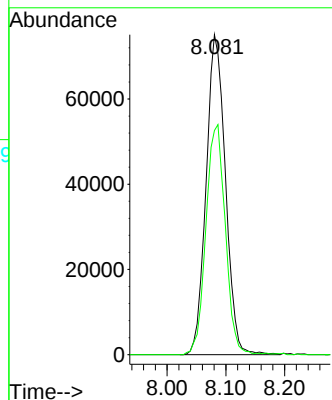
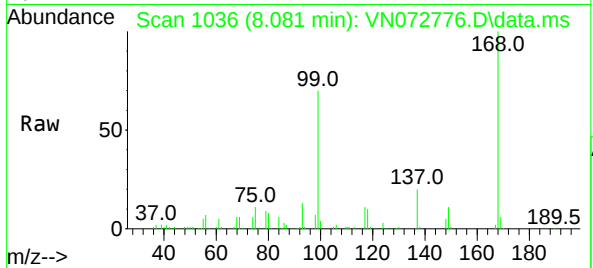




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN072776.D
Acq: 10 Jun 2022 19:50

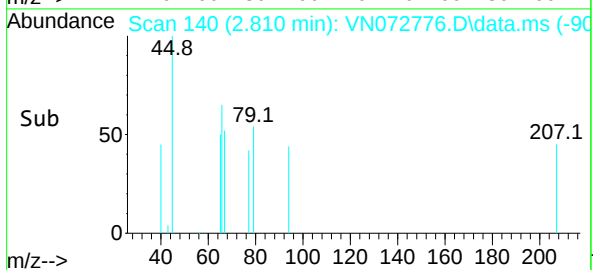
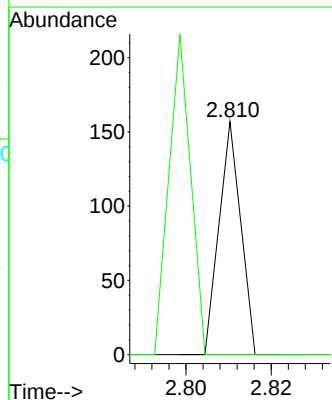
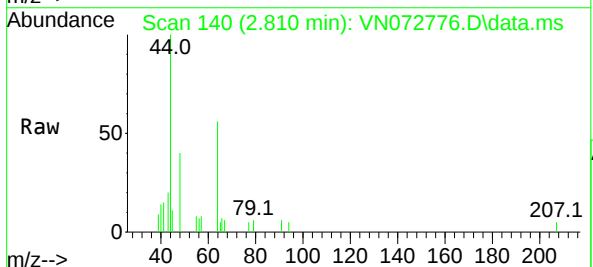
Instrument :
MSVOA_N
ClientSampleId :
52322-A

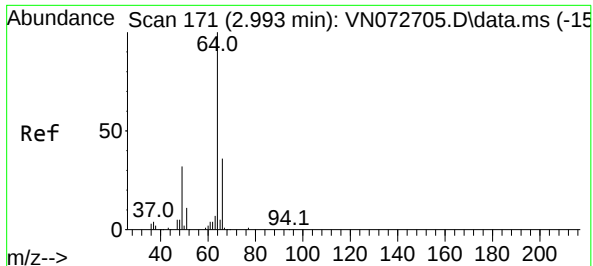
Tgt Ion:168 Resp: 171635
Ion Ratio Lower Upper
168 100
99 70.0 42.3 63.5#



#5
Bromomethane
Concen: Below Cal
RT: 2.810 min Scan# 140
Delta R.T. -0.006 min
Lab File: VN072776.D
Acq: 10 Jun 2022 19:50

Tgt Ion: 94 Resp: 55
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#

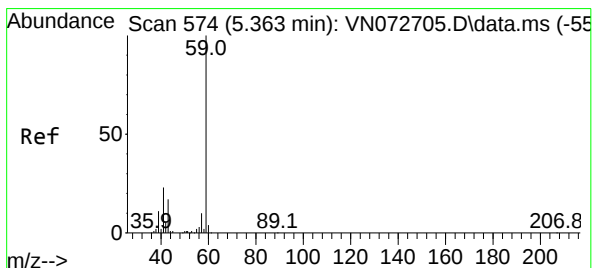
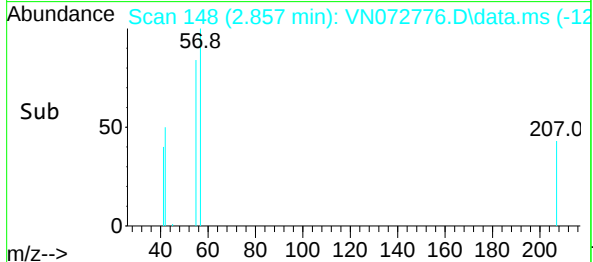
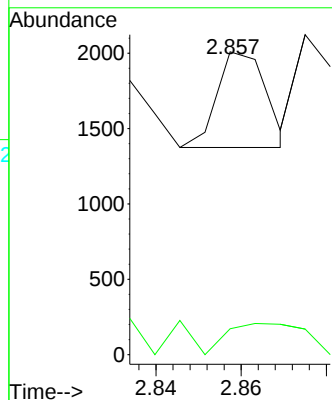
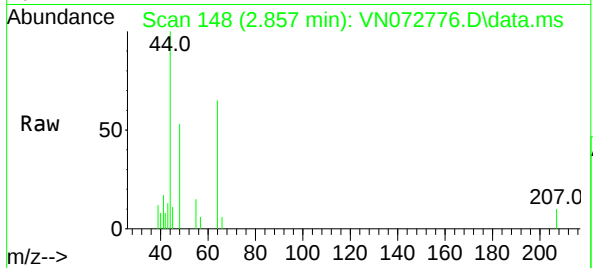




#6
Chloroethane
Concen: Below Cal
RT: 2.857 min Scan# 14
Delta R.T. -0.136 min
Lab File: VN072776.D
Acq: 10 Jun 2022 19:50

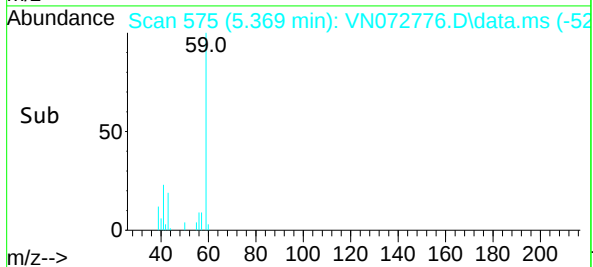
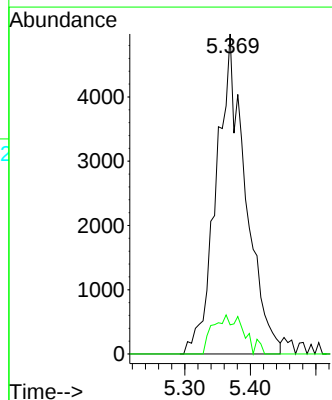
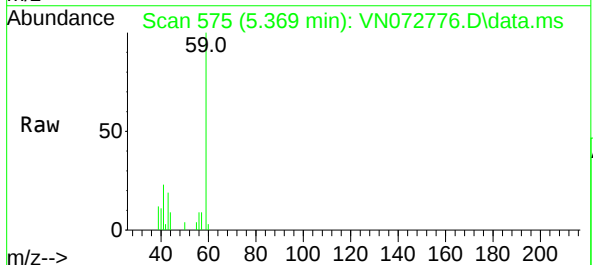
Instrument :
MSVOA_N
ClientSampleId :
52322-A

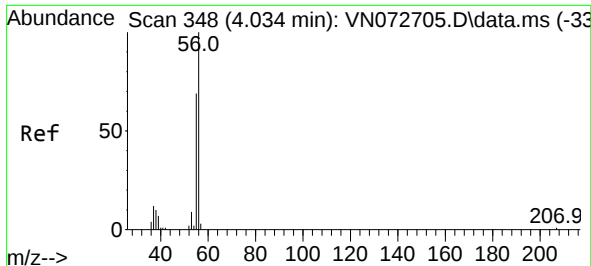
Tgt Ion: 64 Resp: 505
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 14.087 ug/l
RT: 5.369 min Scan# 575
Delta R.T. 0.006 min
Lab File: VN072776.D
Acq: 10 Jun 2022 19:50

Tgt Ion: 59 Resp: 15480
Ion Ratio Lower Upper
59 100
57 11.9 8.3 12.5

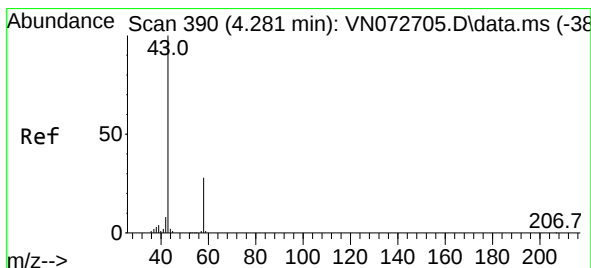
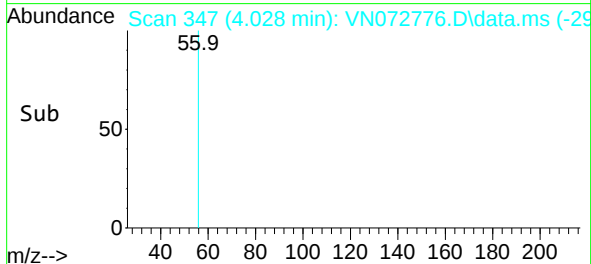
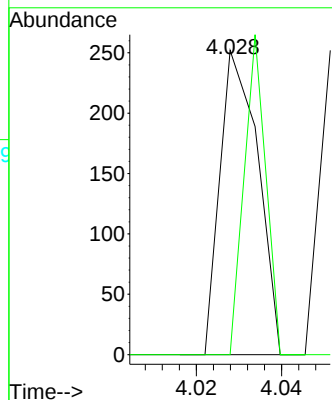
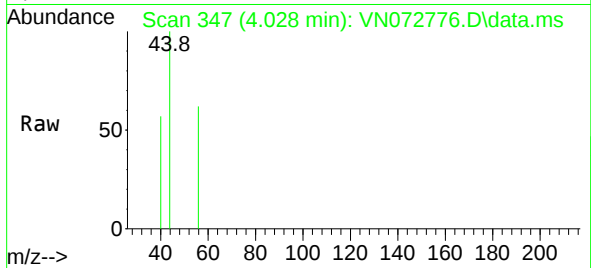




#13
Acrolein
Concen: 0.344 ug/l
RT: 4.028 min Scan# 348
Delta R.T. -0.006 min
Lab File: VN072776.D
Acq: 10 Jun 2022 19:50

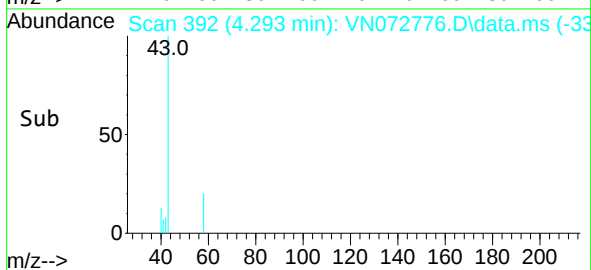
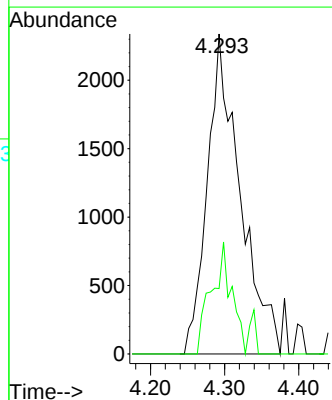
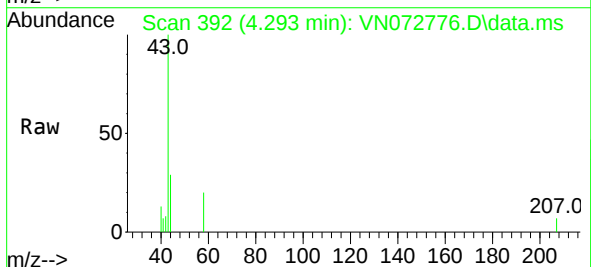
Instrument :
MSVOA_N
ClientSampleId :
52322-A

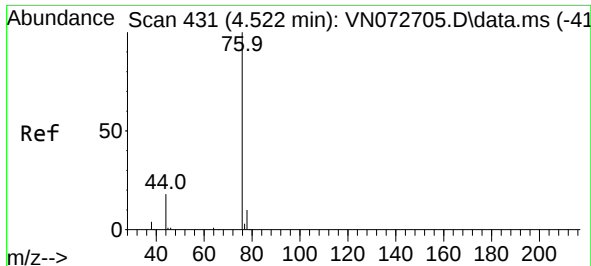
Tgt Ion: 56 Resp: 156
Ion Ratio Lower Upper
56 100
55 59.6 54.8 82.2



#16
Acetone
Concen: 3.248 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.012 min
Lab File: VN072776.D
Acq: 10 Jun 2022 19:50

Tgt Ion: 43 Resp: 7170
Ion Ratio Lower Upper
43 100
58 20.4 26.0 39.0#

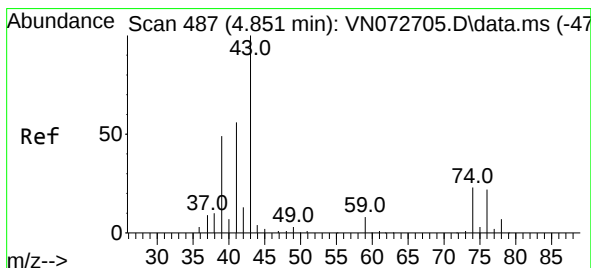
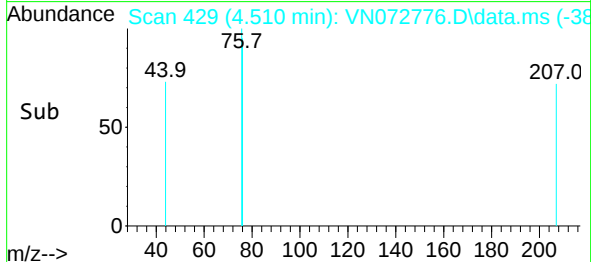
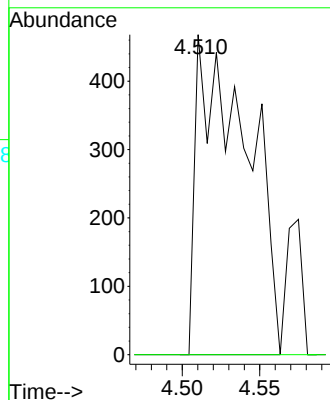
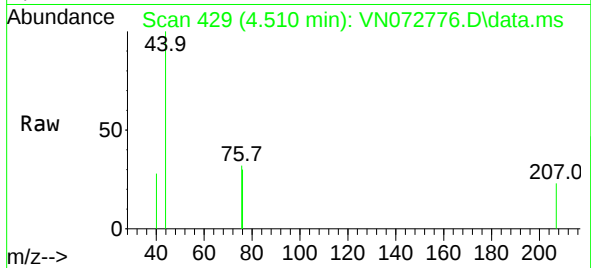




#17
Carbon Disulfide
Concen: 0.467 ug/l
RT: 4.510 min Scan# 431
Delta R.T. -0.012 min
Lab File: VN072776.D
Acq: 10 Jun 2022 19:50

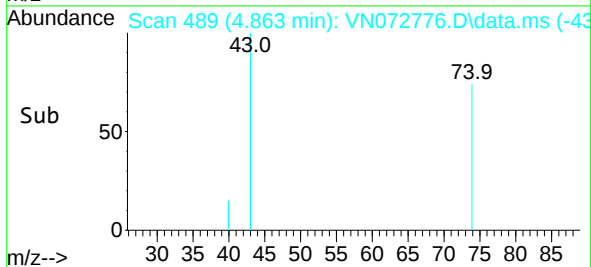
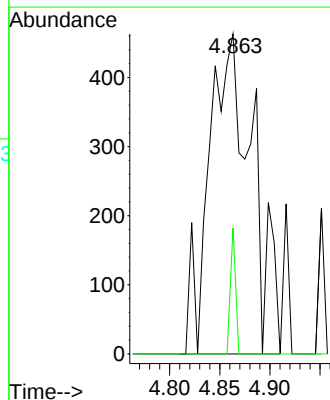
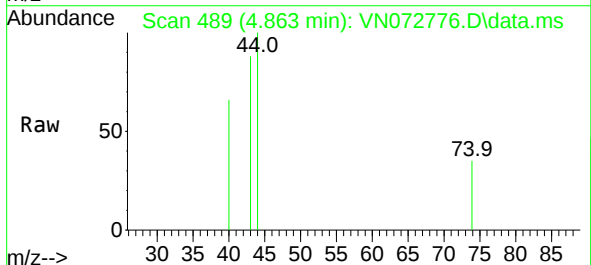
Instrument :
MSVOA_N
ClientSampleId :
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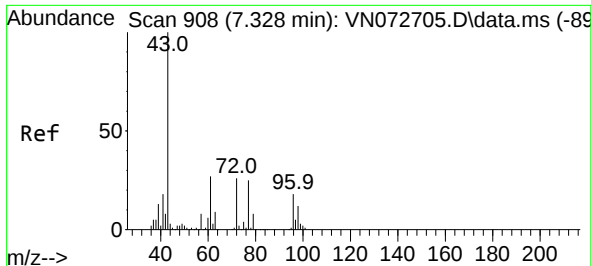
Tgt Ion: 76 Resp: 1062
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.244 ug/l
RT: 4.863 min Scan# 489
Delta R.T. 0.012 min
Lab File: VN072776.D
Acq: 10 Jun 2022 19:50

Tgt Ion: 43 Resp: 1401
Ion Ratio Lower Upper
43 100
74 4.6 21.6 32.4#

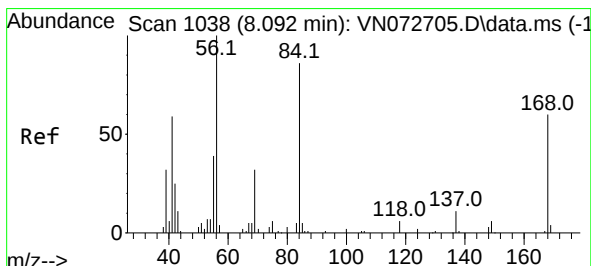
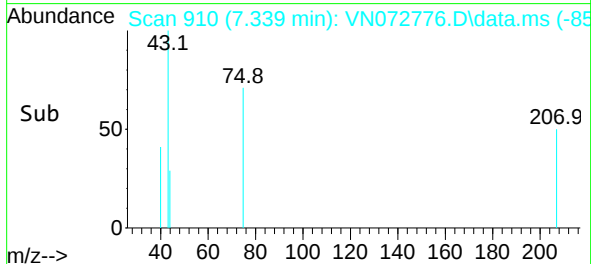
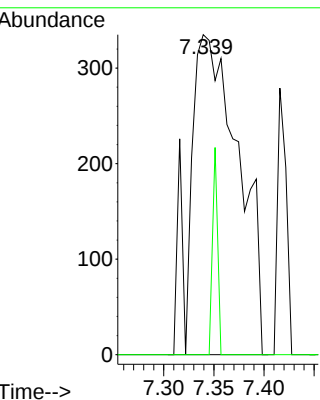
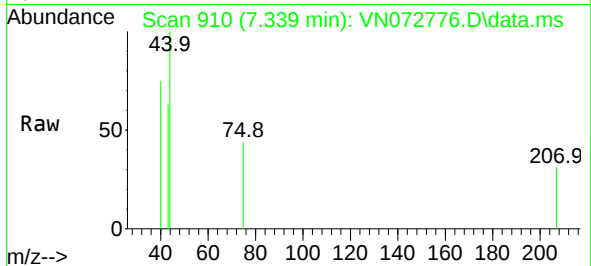




#25
2-Butanone
Concen: 0.319 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.011 min
Lab File: VN072776.D
Acq: 10 Jun 2022 19:50

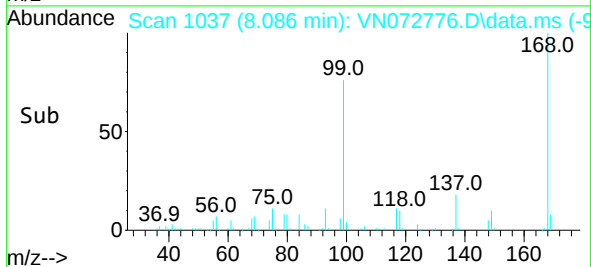
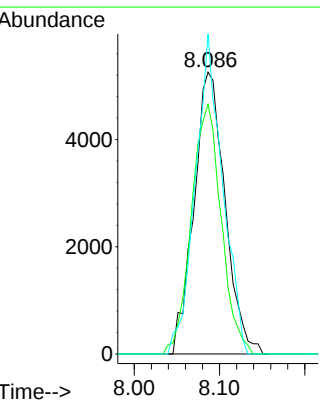
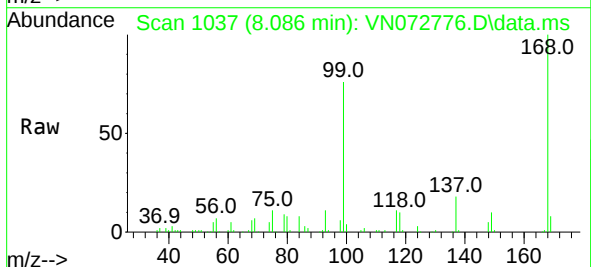
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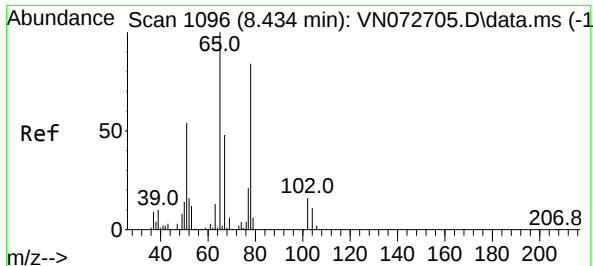
Tgt Ion: 43 Resp: 1131
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#31
Cyclohexane
Concen: 2.058 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VN072776.D
Acq: 10 Jun 2022 19:50

Tgt Ion: 56 Resp: 13360
Ion Ratio Lower Upper
56 100
69 88.5 27.8 41.8#
84 113.6 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 54.439 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.001 min

Lab File: VN072776.D

Acq: 10 Jun 2022 19:50

Instrument :

MSVOA_N

ClientSampleId :

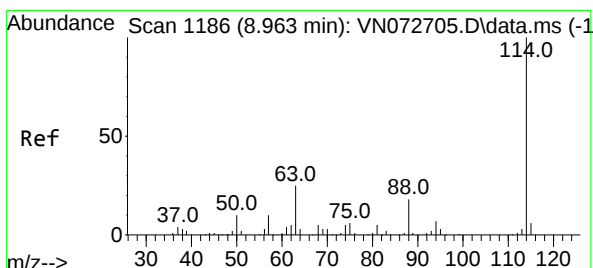
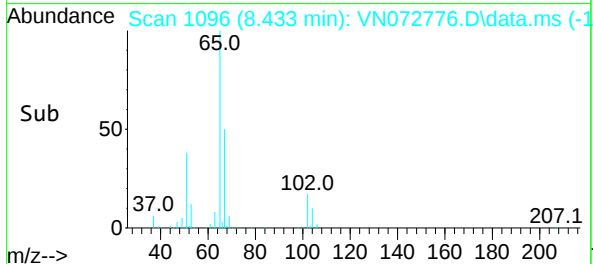
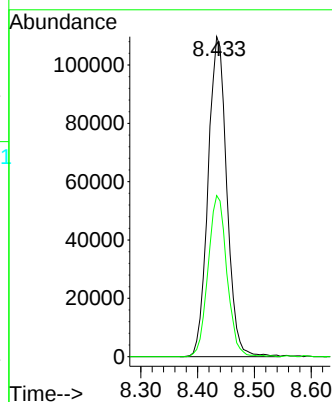
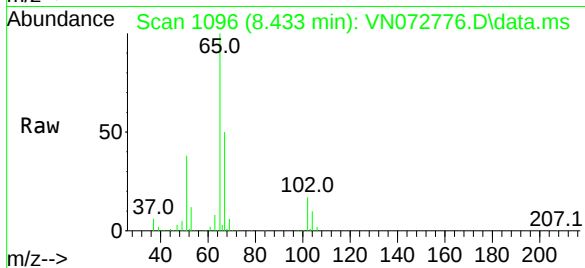
52322-A

Tgt Ion: 65 Resp: 250775

Ion Ratio Lower Upper

65 100

67 50.7 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: VN072776.D

Acq: 10 Jun 2022 19:50

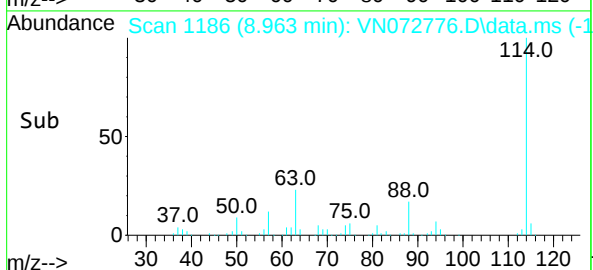
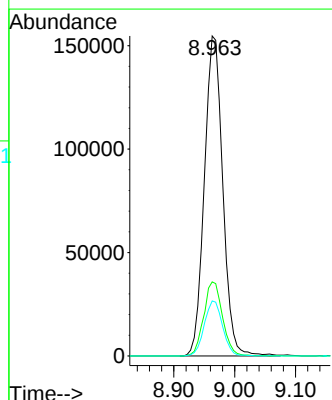
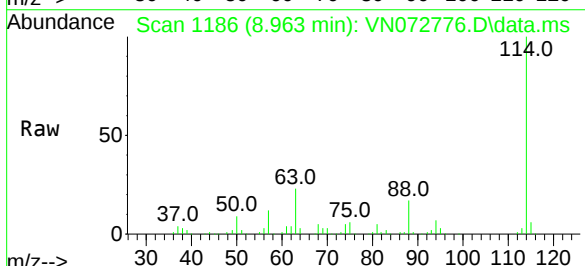
Tgt Ion: 114 Resp: 324934

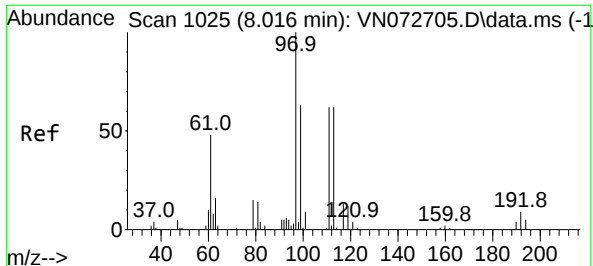
Ion Ratio Lower Upper

114 100

63 23.1 0.0 40.0

88 17.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 56.979 ug/l

RT: 8.022 min Scan# 1036

Delta R.T. 0.006 min

Lab File: VN072776.D

Acq: 10 Jun 2022 19:50

Instrument :

MSVOA_N

ClientSampleId :

52322-A

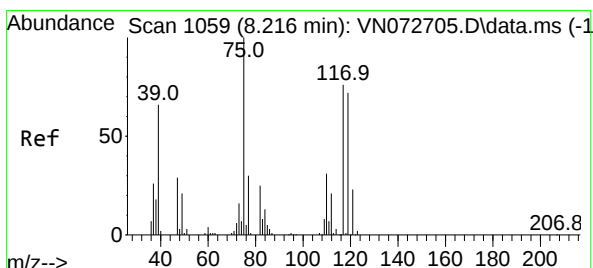
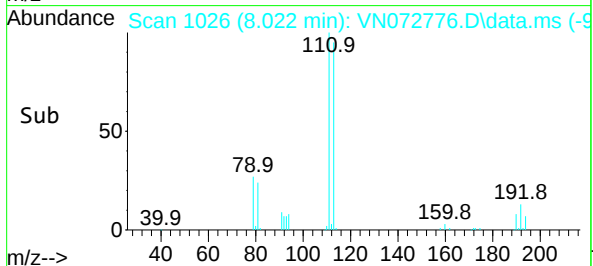
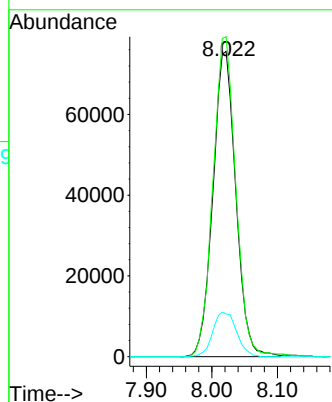
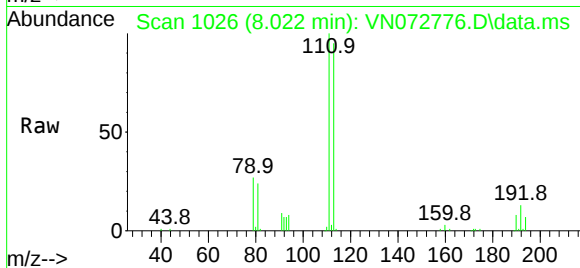
Tgt Ion:113 Resp: 183198

Ion Ratio Lower Upper

113 100

111 104.5 81.4 122.0

192 15.2 17.0 25.6#



#36

1,1-Dichloropropene

Concen: 4.066 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN072776.D

Acq: 10 Jun 2022 19:50

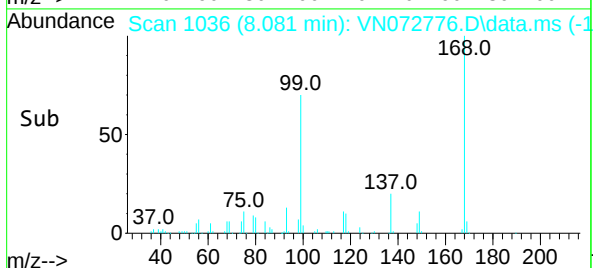
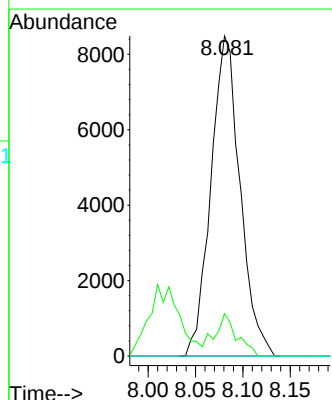
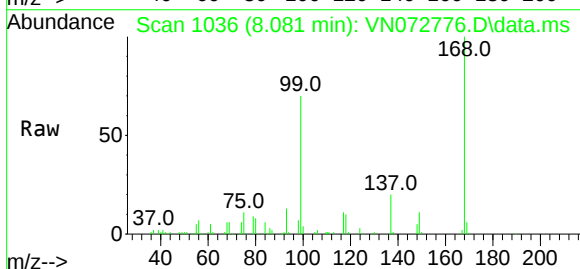
Tgt Ion: 75 Resp: 18147

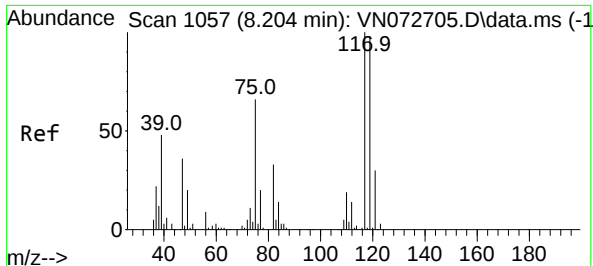
Ion Ratio Lower Upper

75 100

110 10.0 18.3 54.8#

77 0.0 25.1 37.7#

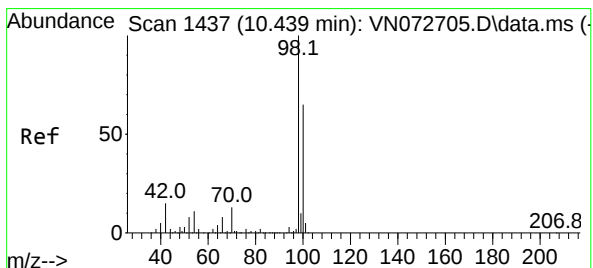
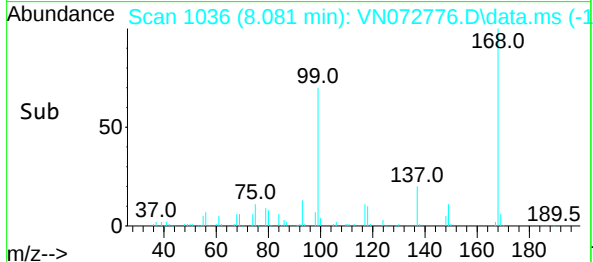
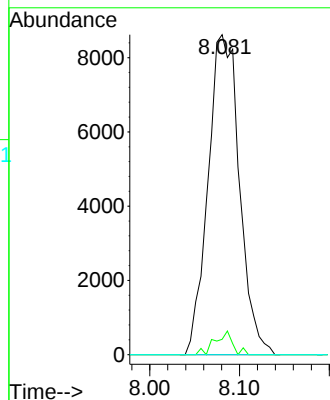
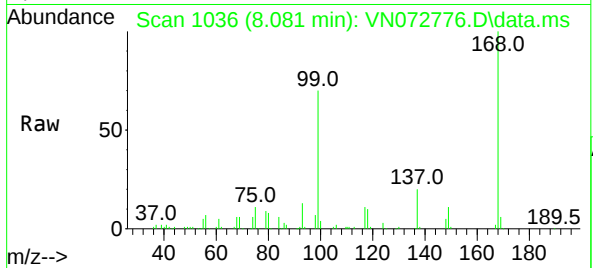




#38
Carbon Tetrachloride
Concen: 4.389 ug/l
RT: 8.081 min Scan# 1057
Delta R.T. -0.123 min
Lab File: VN072776.D
Acq: 10 Jun 2022 19:50

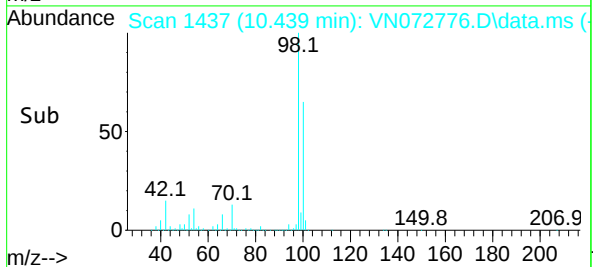
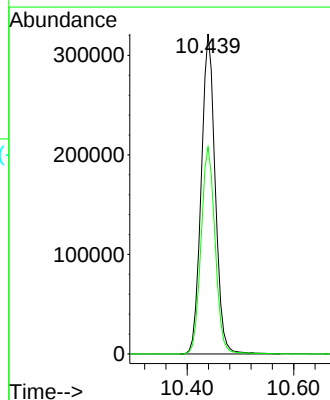
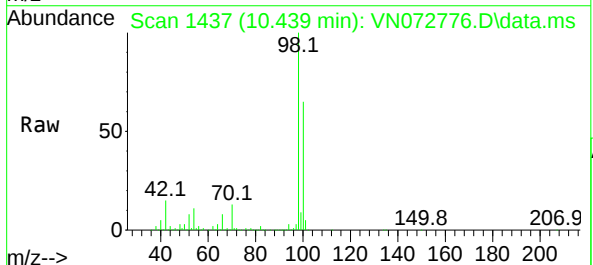
Instrument :
MSVOA_N
ClientSampleId :
52322-A

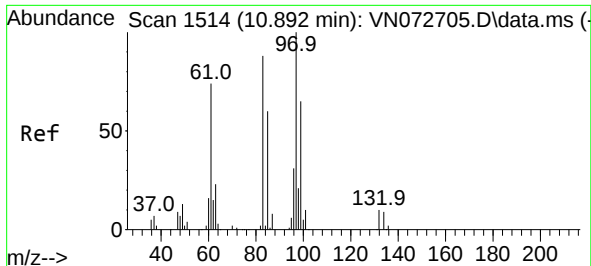
Tgt Ion:117 Resp: 20933
Ion Ratio Lower Upper
117 100
119 4.8 75.8 113.8#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 45.568 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072776.D
Acq: 10 Jun 2022 19:50

Tgt Ion: 98 Resp: 584544
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8

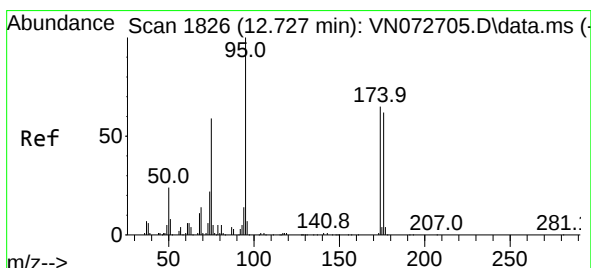
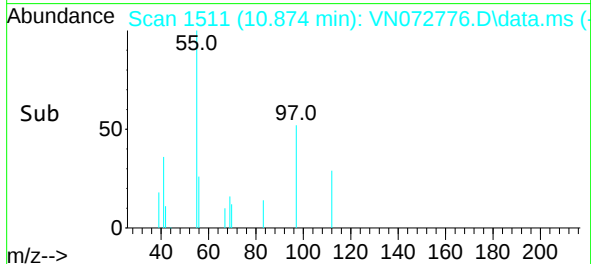
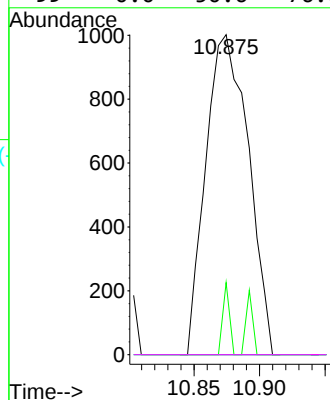
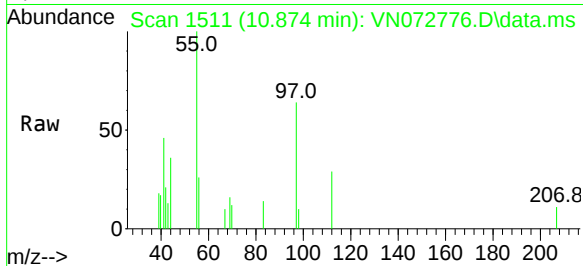




#55
1,1,2-Trichloroethane
Concen: 0.621 ug/l
RT: 10.874 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN072776.D
Acq: 10 Jun 2022 19:50

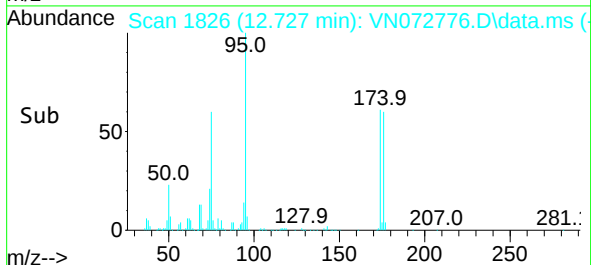
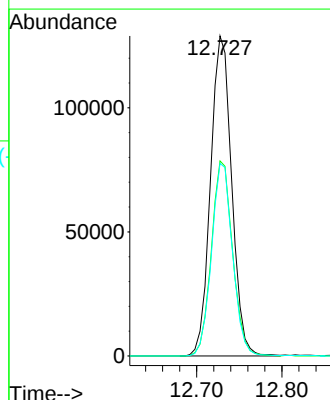
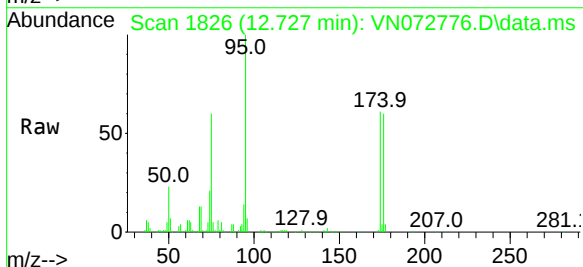
Instrument :
MSVOA_N
ClientSampleId :
52322-A

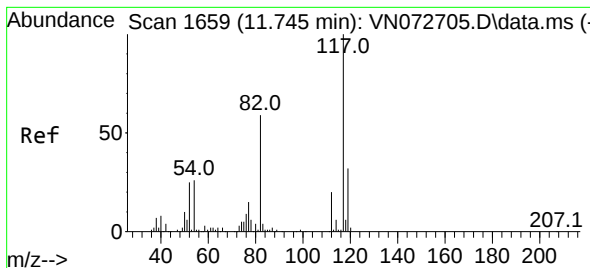
Tgt Ion: 97	Resp: 2265
Ion Ratio	Lower Upper
97 100	
83 22.6	66.2 99.4#
85 0.0	43.9 65.9#
99 0.0	50.6 76.0#



#62
4-Bromofluorobenzene
Concen: 50.602 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072776.D
Acq: 10 Jun 2022 19:50

Tgt Ion: 95	Resp: 222744
Ion Ratio	Lower Upper
95 100	
174 61.2	0.0 167.6
176 59.7	0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.745 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN072776.D

Acq: 10 Jun 2022 19:50

Instrument :

MSVOA_N

ClientSampleId :

52322-A

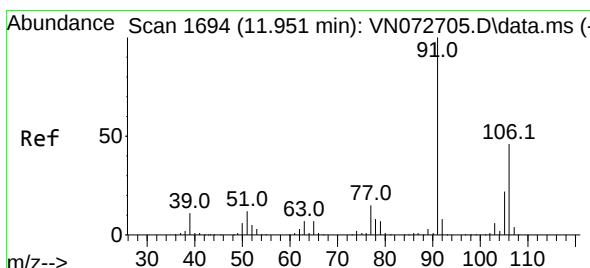
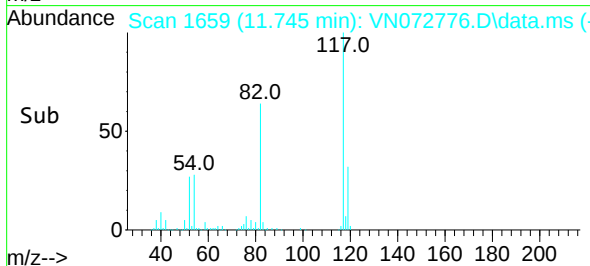
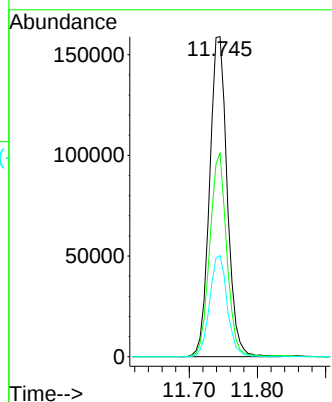
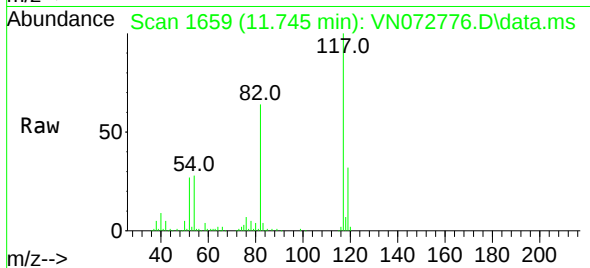
Tgt Ion:117 Resp: 285675

Ion Ratio Lower Upper

117 100

82 63.6 44.2 66.2

119 31.6 25.4 38.0



#68

m/p-Xylenes

Concen: 0.295 ug/l

RT: 11.945 min Scan# 1693

Delta R.T. -0.006 min

Lab File: VN072776.D

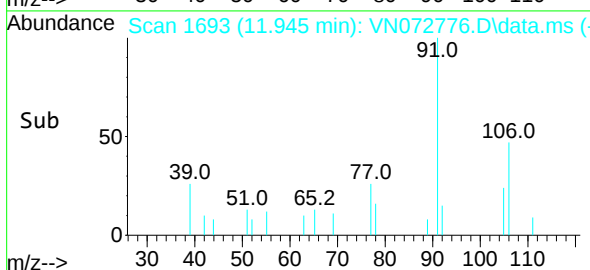
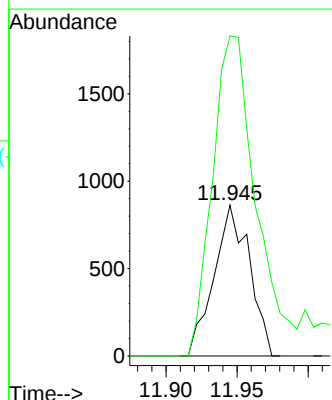
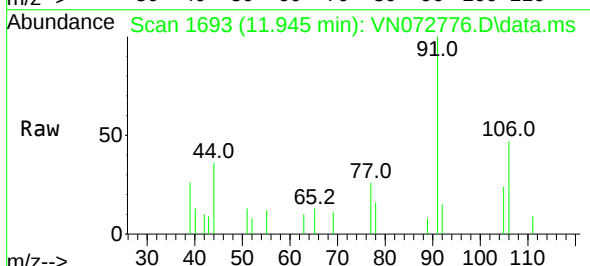
Acq: 10 Jun 2022 19:50

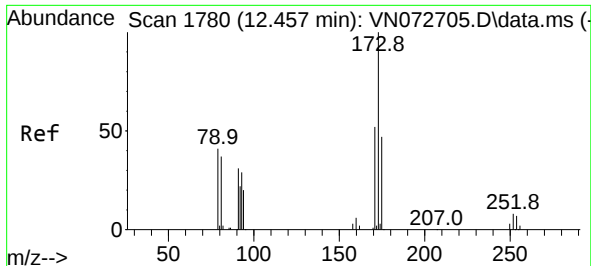
Tgt Ion:106 Resp: 1500

Ion Ratio Lower Upper

106 100

91 259.7 158.9 238.3#

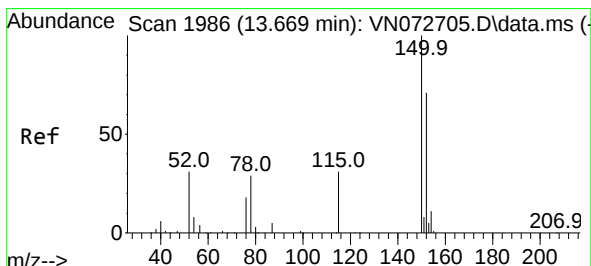
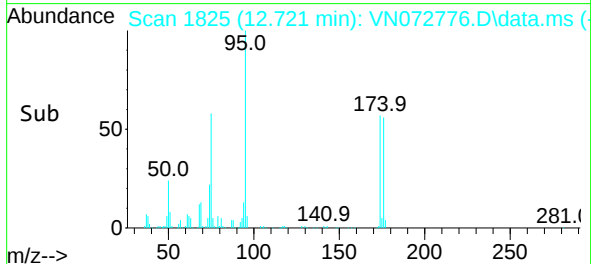
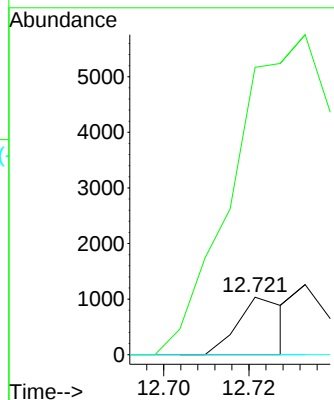
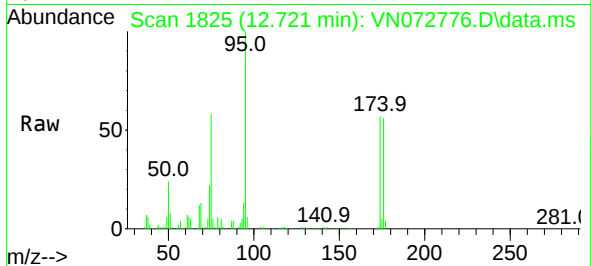




#71
Bromoform
Concen: 0.377 ug/l
RT: 12.721 min Scan# 1825
Delta R.T. 0.264 min
Lab File: VN072776.D
Acq: 10 Jun 2022 19:50

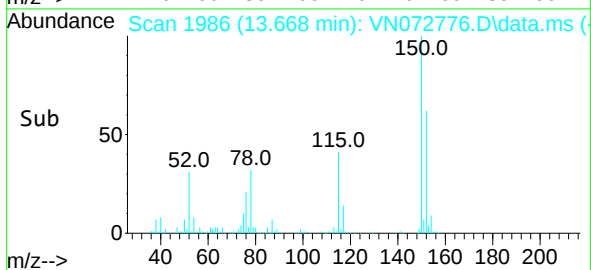
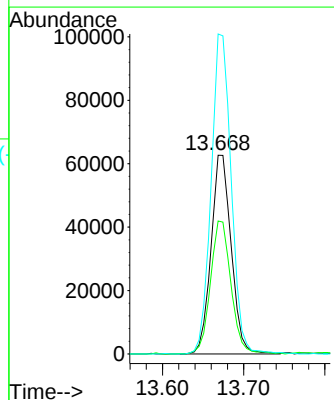
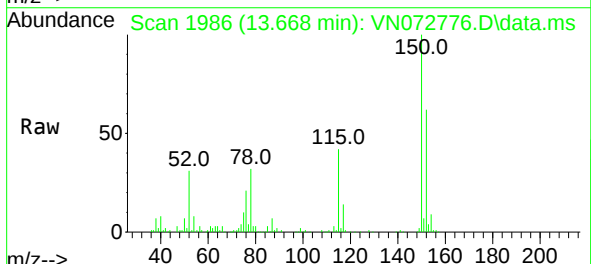
Instrument :
MSVOA_N
ClientSampleId :
52322-A

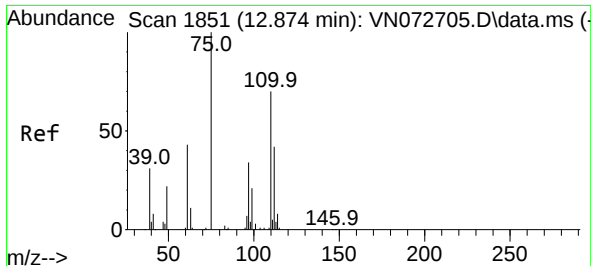
Tgt Ion:173 Resp: 804
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN072776.D
Acq: 10 Jun 2022 19:50

Tgt Ion:152 Resp: 108330
Ion Ratio Lower Upper
152 100
115 68.3 28.9 86.7
150 160.2 0.0 356.2

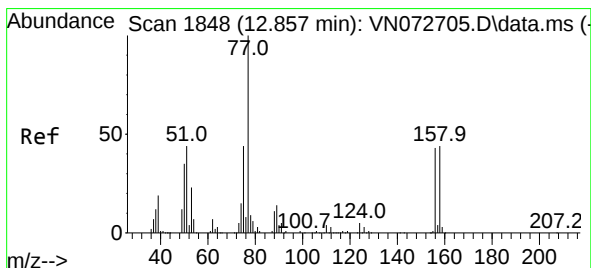
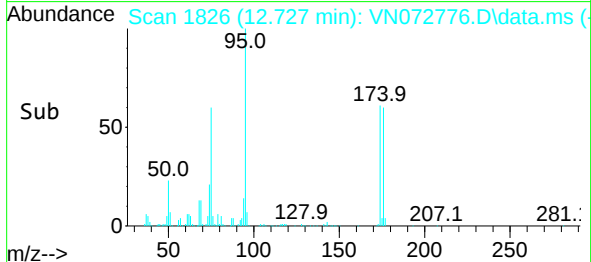
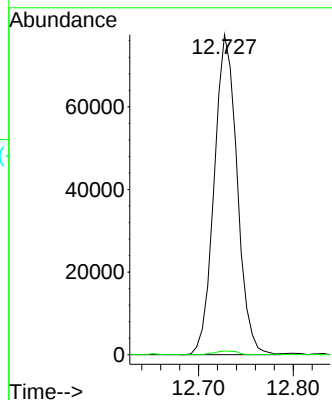
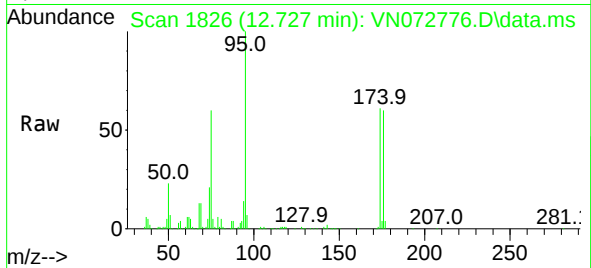




#76
1,2,3-Trichloropropane
Concen: 37.322 ug/l
RT: 12.727 min Scan# 11
Delta R.T. -0.147 min
Lab File: VN072776.D
Acq: 10 Jun 2022 19:50

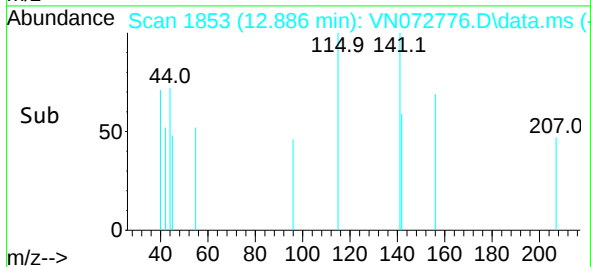
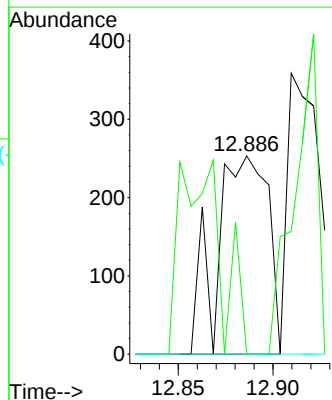
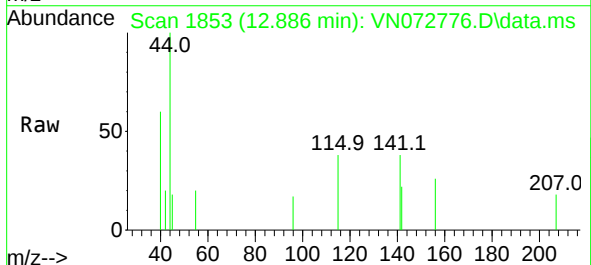
Instrument :
MSVOA_N
ClientSampleId :
52322-A

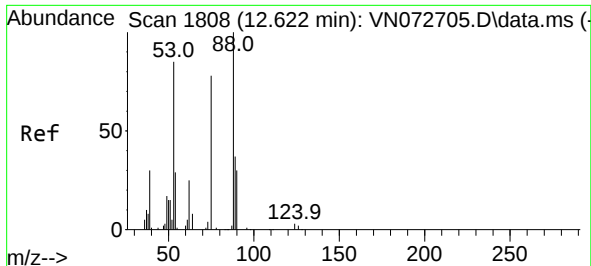
Tgt Ion: 75 Resp: 130468
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#



#77
Bromobenzene
Concen: 0.209 ug/l
RT: 12.886 min Scan# 1853
Delta R.T. 0.029 min
Lab File: VN072776.D
Acq: 10 Jun 2022 19:50

Tgt Ion: 156 Resp: 479
Ion Ratio Lower Upper
156 100
77 77.7 100.5 301.5#
158 0.0 48.9 146.6#

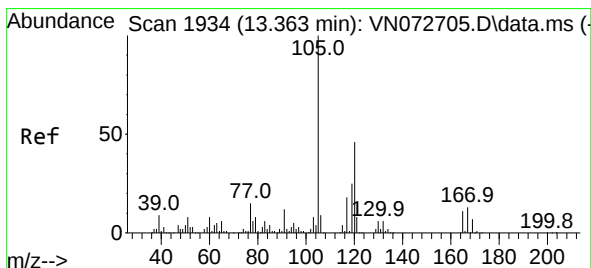
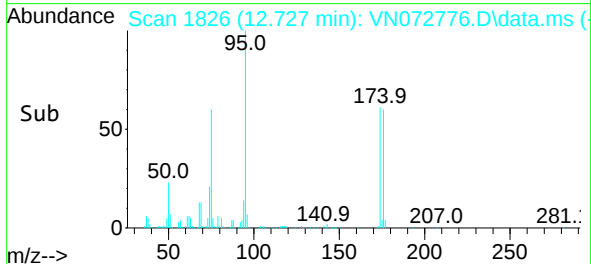
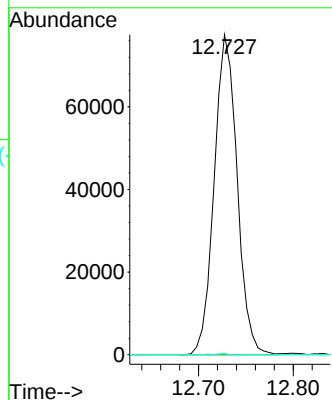
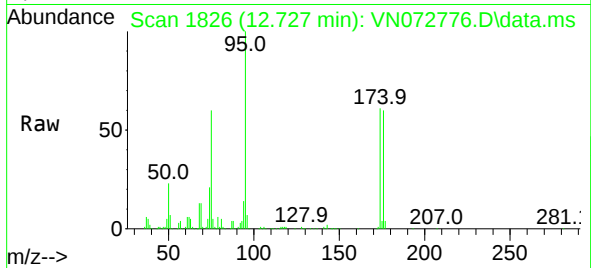




#81
trans-1,4-Dichloro-2-butene
Concen: 97.607 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN072776.D
Acq: 10 Jun 2022 19:50

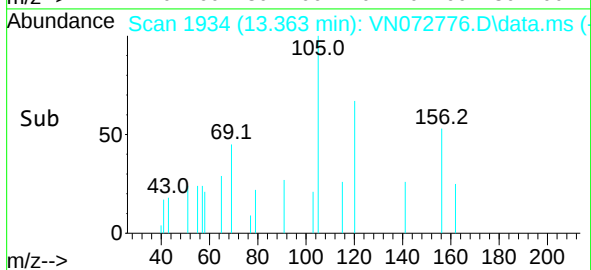
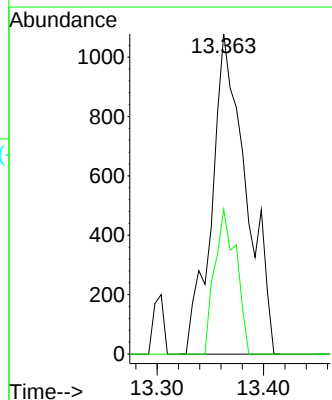
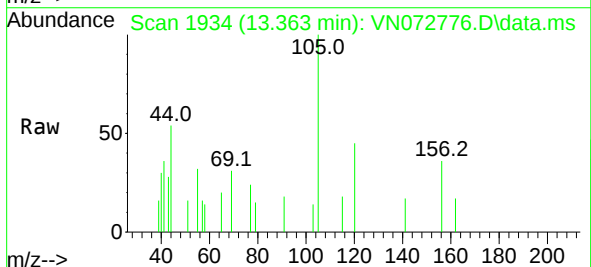
Instrument :
MSVOA_N
ClientSampleId :
52322-A

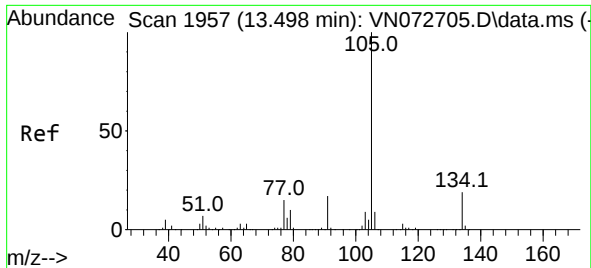
Tgt Ion: 75 Resp: 130468
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.2 37.2 55.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.275 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN072776.D
Acq: 10 Jun 2022 19:50

Tgt Ion: 105 Resp: 2423
Ion Ratio Lower Upper
105 100
120 28.2 23.3 69.8

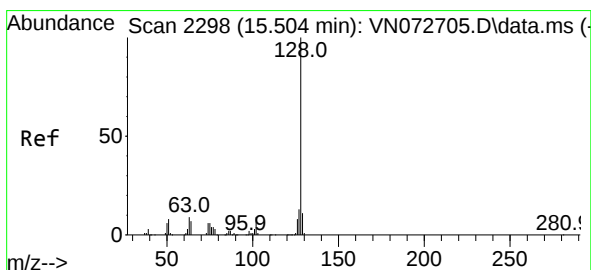
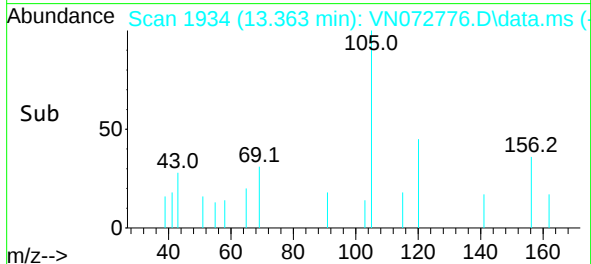
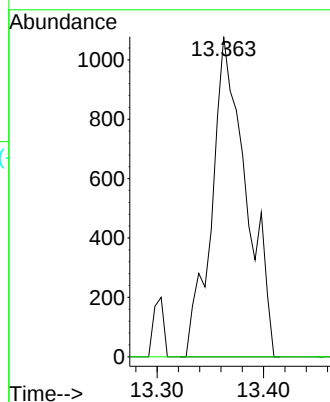
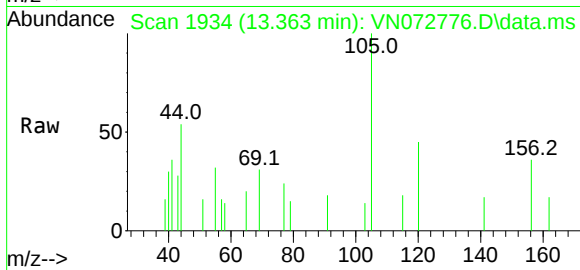




#85
 sec-Butylbenzene
 Concen: 0.222 ug/l
 RT: 13.363 min Scan# 1957
 Delta R.T. -0.135 min
 Lab File: VN072776.D
 Acq: 10 Jun 2022 19:50

Instrument :
 MSVOA_N
 ClientSampleId :
 52322-A

Tgt Ion:105 Resp: 2423
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1#



#95
 Naphthalene
 Concen: 2.651 ug/l
 RT: 15.498 min Scan# 2297
 Delta R.T. -0.006 min
 Lab File: VN072776.D
 Acq: 10 Jun 2022 19:50

Tgt Ion:128 Resp: 18870
 Ion Ratio Lower Upper
 128 100
 127 14.7 10.3 15.5
 129 11.1 8.6 13.0

