

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071423\
 Data File : VN078526.D
 Acq On : 14 Jul 2023 16:49
 Operator : JC\MD
 Sample : 03631-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RINSATE-BLANK

Quant Time: Jul 15 04:04:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

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

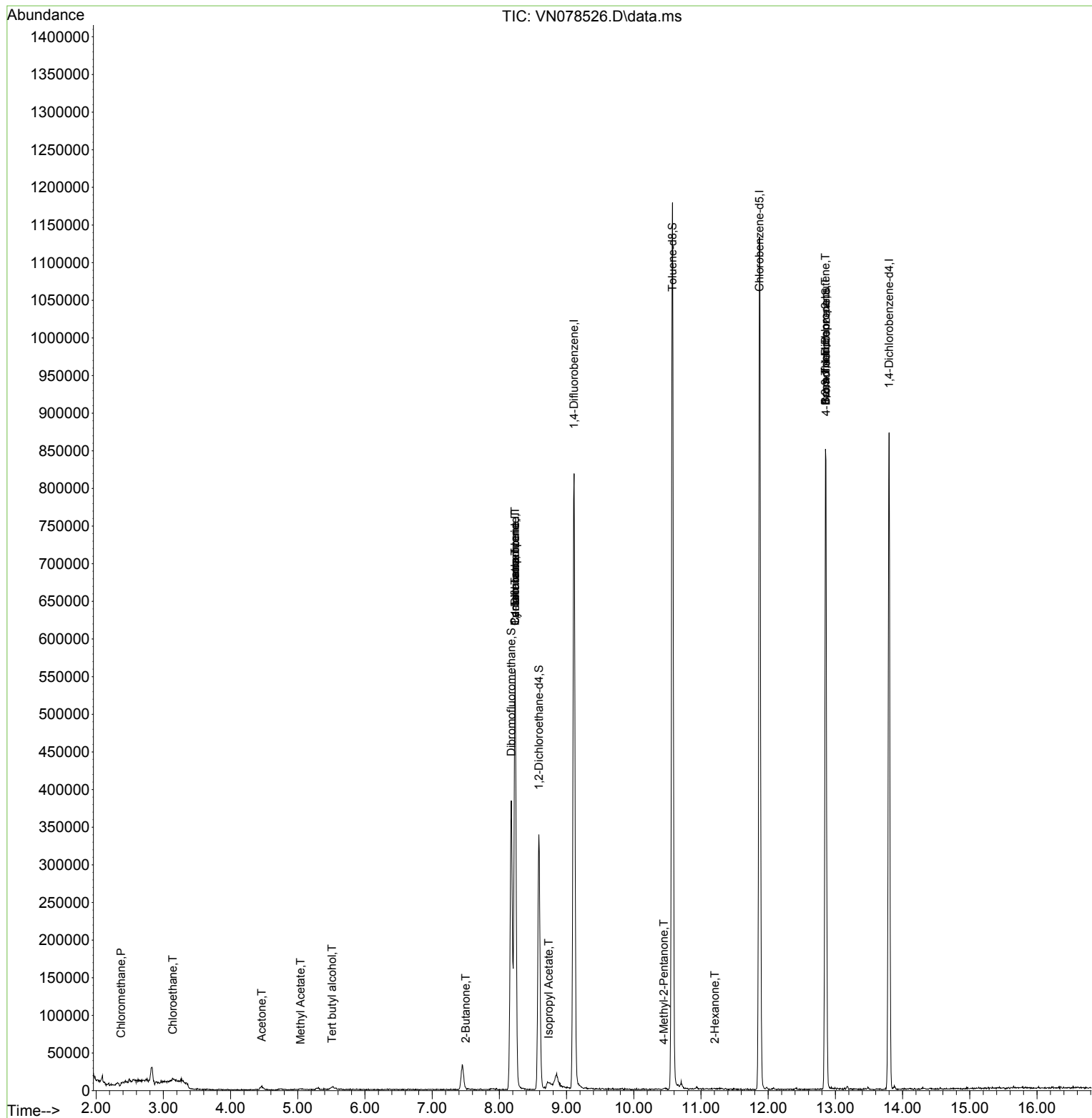
Internal Standards						
1) Pentafluorobenzene	8.235	168	401816	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	736822	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	683725	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	235374	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	272828	50.648	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 101.300%		
35) Dibromofluoromethane	8.176	113	276613	55.303	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 110.600%		
50) Toluene-d8	10.576	98	852583	45.122	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 90.240%		
62) 4-Bromofluorobenzene	12.858	95	296058	50.868	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 101.740%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1687	0.315	ug/l #	48
5) Bromomethane	2.965	94	946	Below Cal	#	13
6) Chloroethane	3.141	64	11232	0.790	ug/l #	43
11) Tert butyl alcohol	5.512	59	2003	2.411	ug/l #	72
16) Acetone	4.465	43	7918	4.719	ug/l #	73
18) Methyl Acetate	5.041	43	2335	0.329	ug/l #	42
20) Methylene Chloride	5.294	84	1756	Below Cal	#	69
25) 2-Butanone	7.500	43	674	0.255	ug/l #	37
31) Cyclohexane	8.235	56	10613	1.458	ug/l #	66
36) 1,1-Dichloropropene	8.235	75	33109	4.584	ug/l #	48
38) Carbon Tetrachloride	8.235	117	44128	5.622	ug/l #	15
43) Isopropyl Acetate	8.735	43	11288	1.139	ug/l #	49
51) 4-Methyl-2-Pentanone	10.447	43	1808	0.307	ug/l #	75
59) 2-Hexanone	11.206	43	878	0.210	ug/l #	48
71) Bromoform	12.853	173	2370	0.595	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.941	83	125	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	158031	27.777	ug/l #	1
77) Bromobenzene	12.864	156	64	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	158031	72.993	ug/l #	15
90) Hexachloroethane	14.276	117	56	Below Cal	#	21
92) 1,2-Dibromo-3-Chloropr...	14.776	75	66	Below Cal	#	4

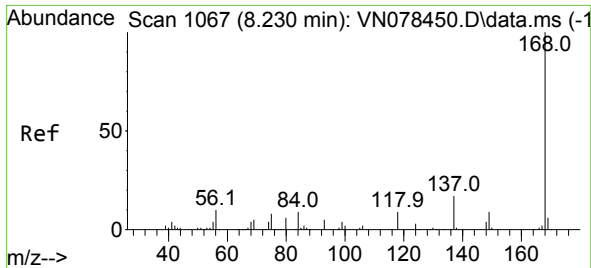
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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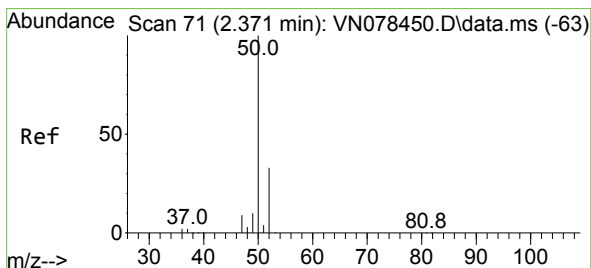
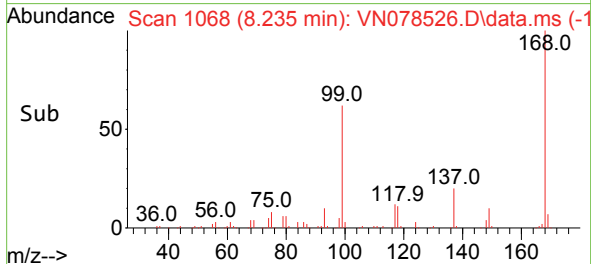
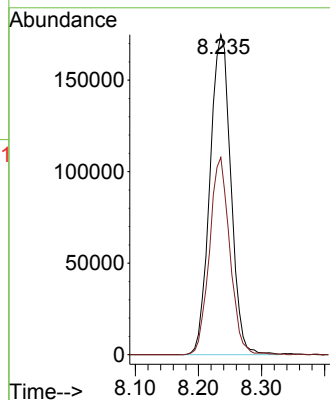
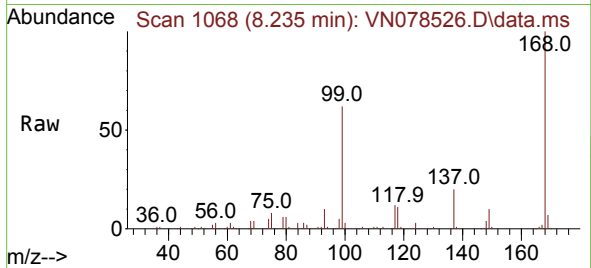




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. 0.005 min
Lab File: VN078526.D
Acq: 14 Jul 2023 16:49

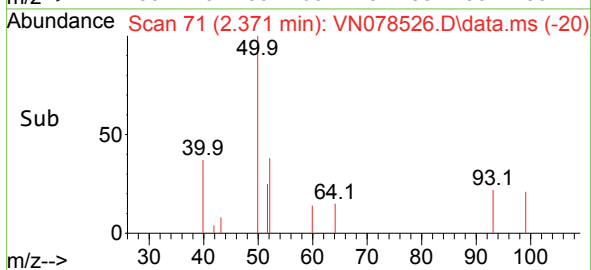
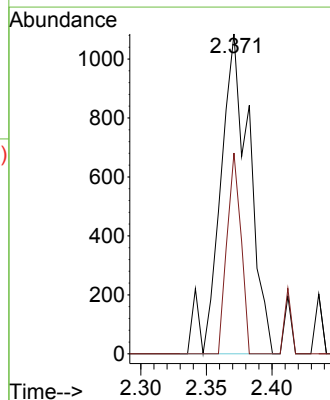
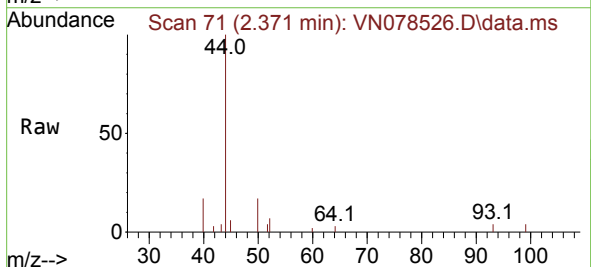
Instrument :
MSVOA_N
ClientSampleId :
RINSATE-BLANK

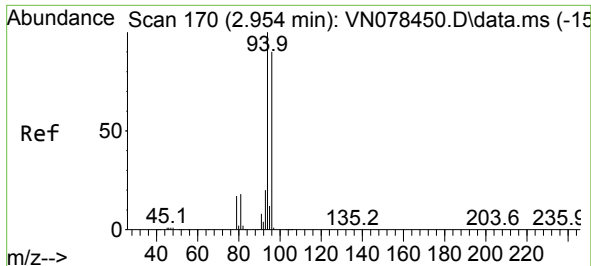
Tgt Ion:168 Resp: 401816
Ion Ratio Lower Upper
168 100
99 61.6 53.0 79.6



#3
Chloromethane
Concen: 0.315 ug/l
RT: 2.371 min Scan# 71
Delta R.T. -0.000 min
Lab File: VN078526.D
Acq: 14 Jul 2023 16:49

Tgt Ion: 50 Resp: 1687
Ion Ratio Lower Upper
50 100
52 62.8 26.5 39.7#

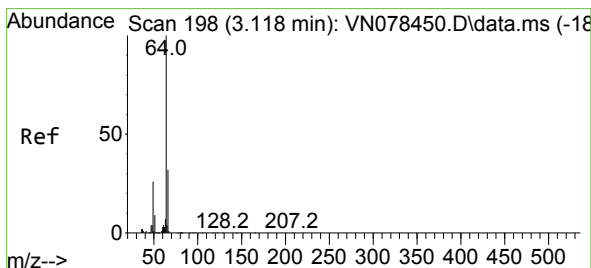
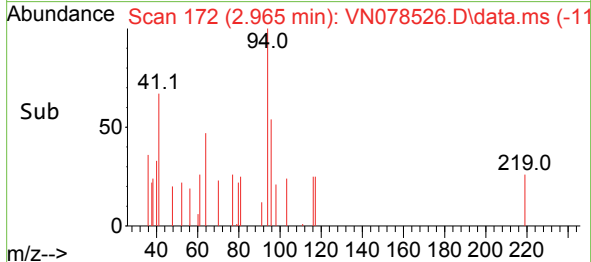
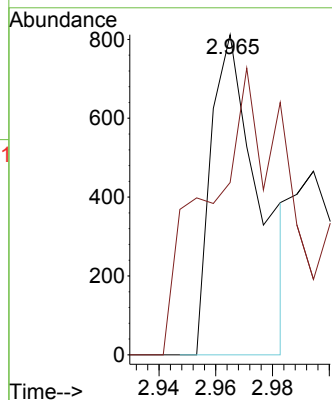
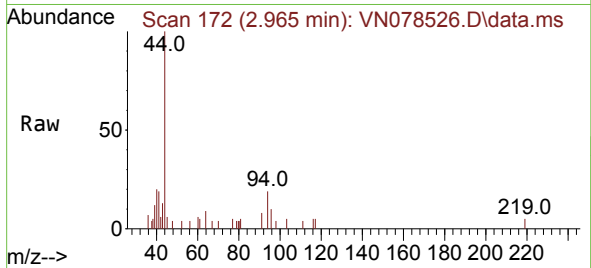




#5
Bromomethane
Concen: Below Cal
RT: 2.965 min Scan# 11
Delta R.T. 0.011 min
Lab File: VN078526.D
Acq: 14 Jul 2023 16:49

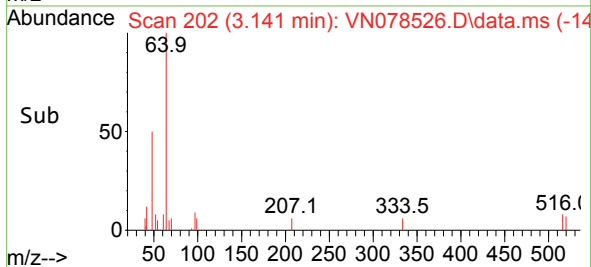
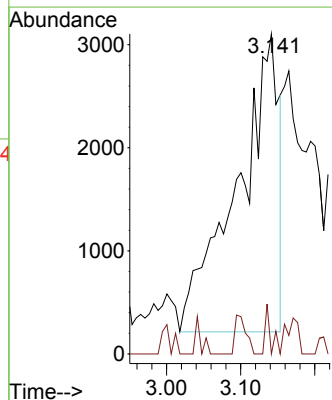
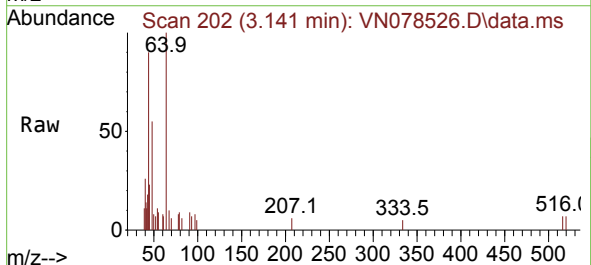
Instrument :
MSVOA_N
ClientSampleId :
RINSATE-BLANK

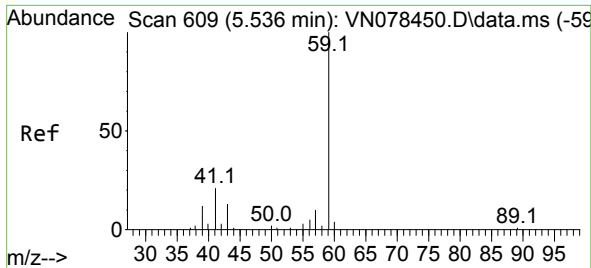
Tgt Ion: 94 Resp: 946
Ion Ratio Lower Upper
94 100
96 8.4 73.1 109.7#



#6
Chloroethane
Concen: 0.790 ug/l
RT: 3.141 min Scan# 202
Delta R.T. 0.023 min
Lab File: VN078526.D
Acq: 14 Jul 2023 16:49

Tgt Ion: 64 Resp: 11232
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

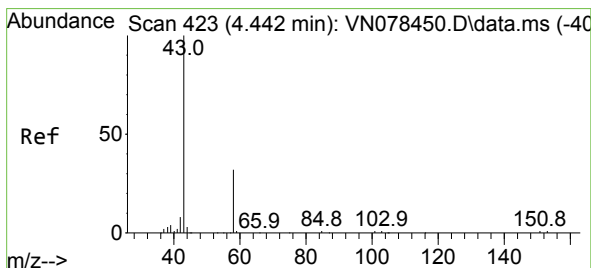
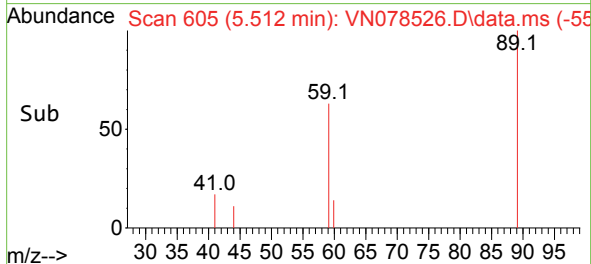
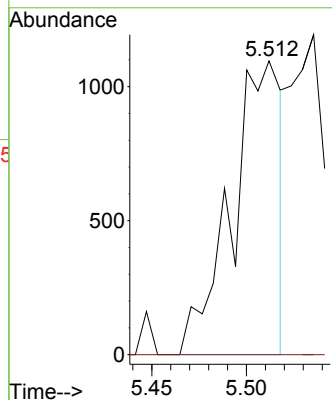
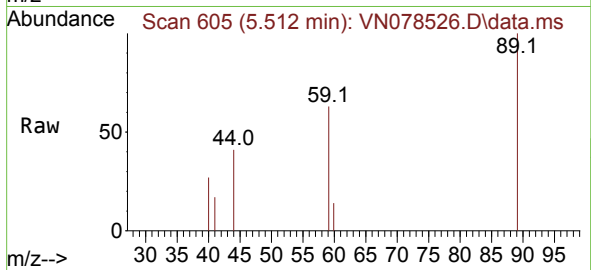




#11
Tert butyl alcohol
Concen: 2.411 ug/l
RT: 5.512 min Scan# 609
Delta R.T. -0.024 min
Lab File: VN078526.D
Acq: 14 Jul 2023 16:49

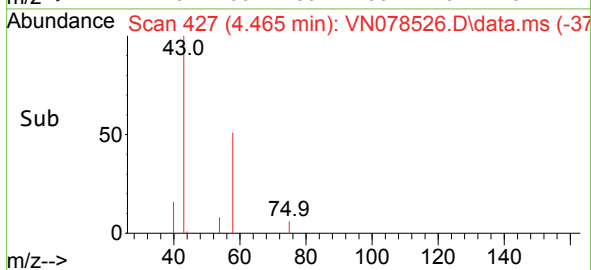
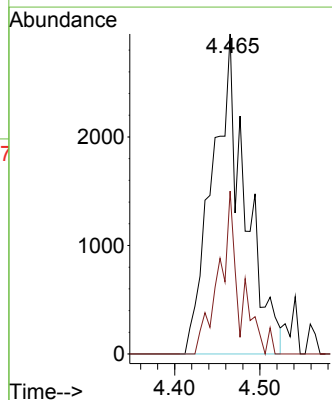
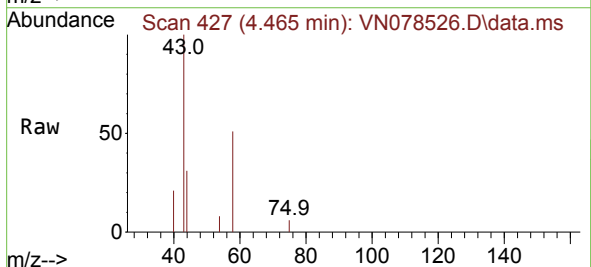
Instrument :
MSVOA_N
ClientSampleId :
RINSATE-BLANK

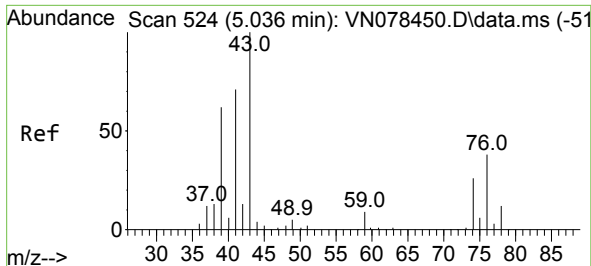
Tgt Ion: 59 Resp: 2003
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 4.719 ug/l
RT: 4.465 min Scan# 427
Delta R.T. 0.023 min
Lab File: VN078526.D
Acq: 14 Jul 2023 16:49

Tgt Ion: 43 Resp: 7918
Ion Ratio Lower Upper
43 100
58 50.9 28.0 42.0#

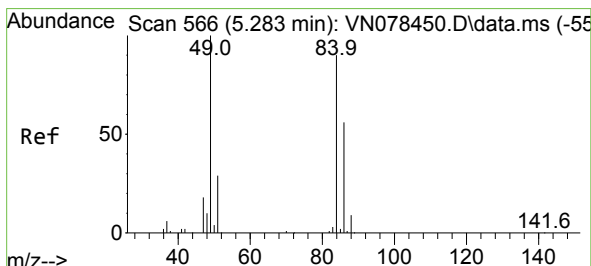
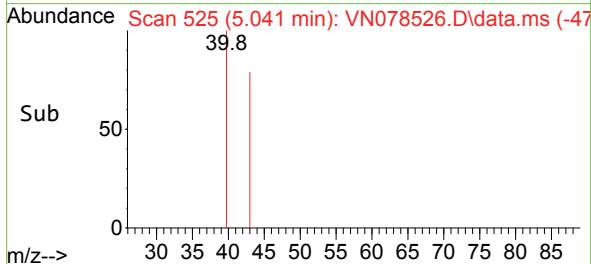
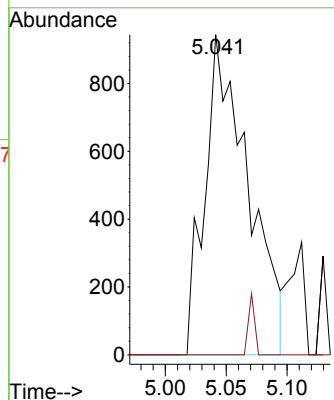
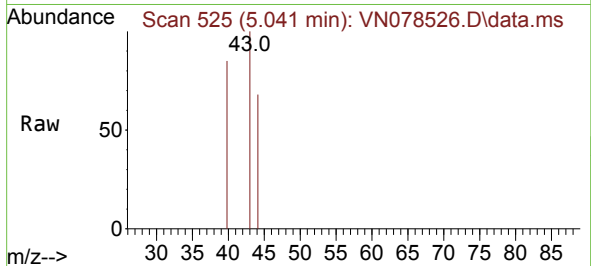




#18
Methyl Acetate
Concen: 0.329 ug/l
RT: 5.041 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN078526.D
Acq: 14 Jul 2023 16:49

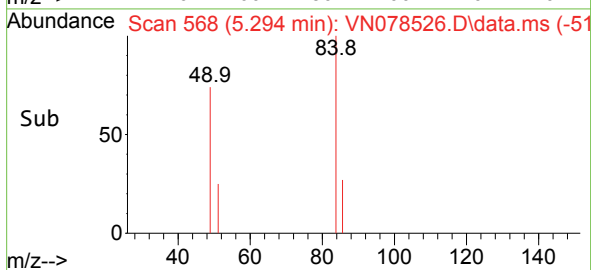
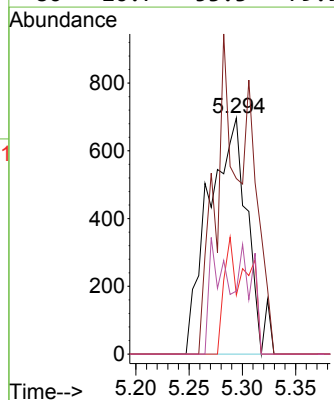
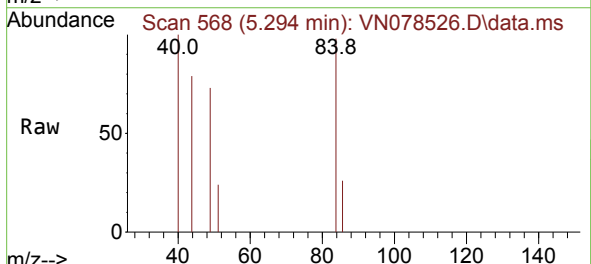
Instrument :
MSVOA_N
ClientSampleId :
RINSATE-BLANK

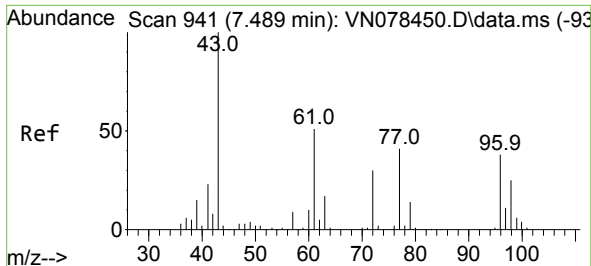
Tgt Ion: 43 Resp: 2335
Ion Ratio Lower Upper
43 100
74 0.0 26.2 39.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.294 min Scan# 568
Delta R.T. 0.011 min
Lab File: VN078526.D
Acq: 14 Jul 2023 16:49

Tgt Ion: 84 Resp: 1756
Ion Ratio Lower Upper
84 100
49 74.3 79.7 119.5#
51 25.0 25.2 37.8#
86 26.7 53.3 79.9#

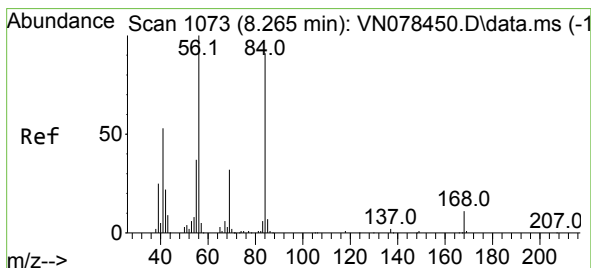
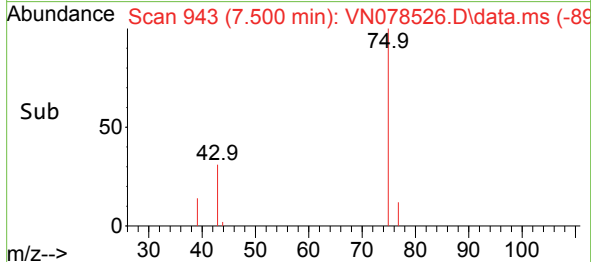
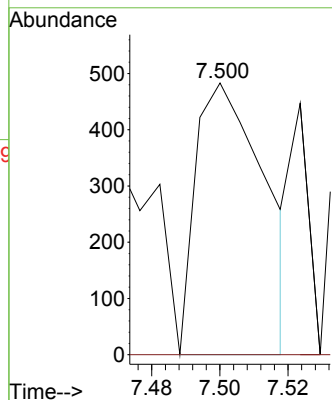
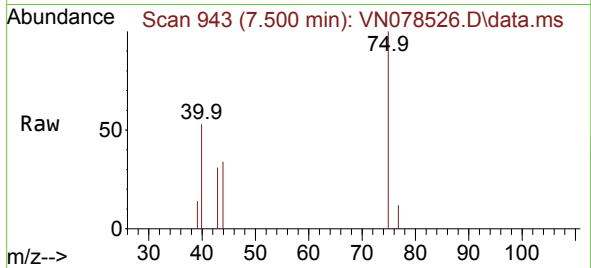




#25
2-Butanone
Concen: 0.255 ug/l
RT: 7.500 min Scan# 941
Delta R.T. 0.011 min
Lab File: VN078526.D
Acq: 14 Jul 2023 16:49

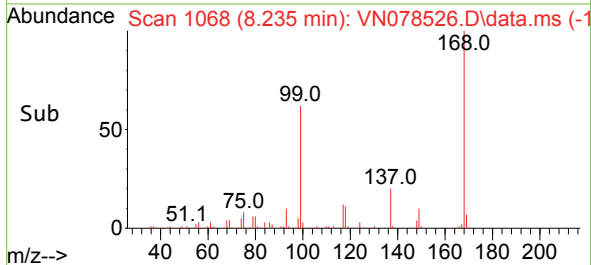
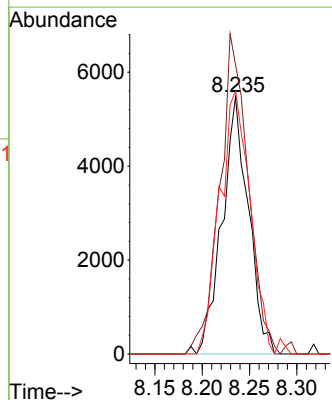
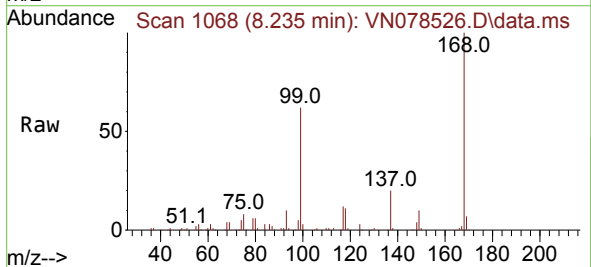
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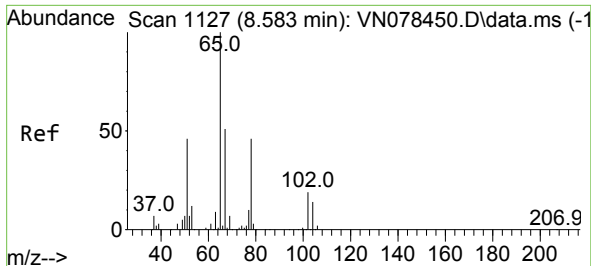
Tgt Ion: 43 Resp: 674
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#31
Cyclohexane
Concen: 1.458 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.030 min
Lab File: VN078526.D
Acq: 14 Jul 2023 16:49

Tgt Ion: 56 Resp: 10613
Ion Ratio Lower Upper
56 100
69 112.3 26.8 40.2#
84 102.3 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 50.648 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VN078526.D

Acq: 14 Jul 2023 16:49

Instrument :

MSVOA_N

ClientSampleId :

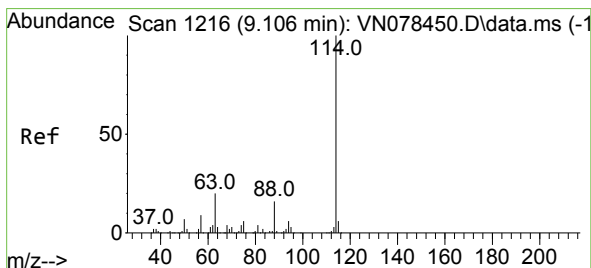
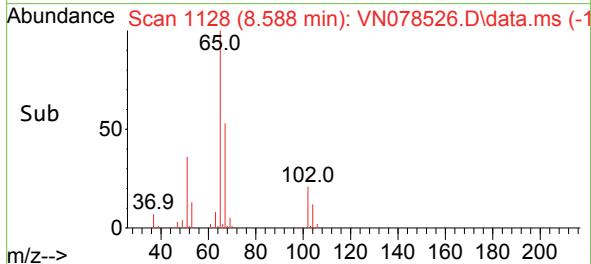
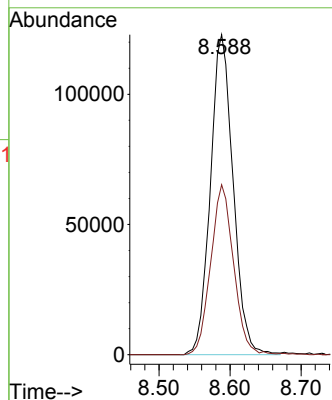
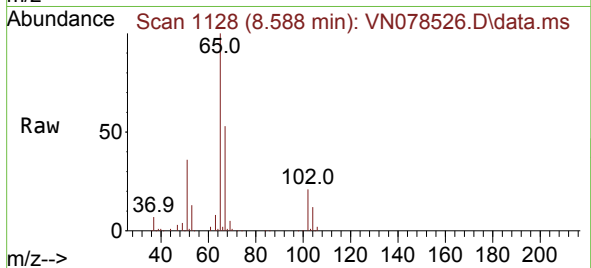
RINSATE-BLANK

Tgt Ion: 65 Resp: 272828

Ion Ratio Lower Upper

65 100

67 53.4 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VN078526.D

Acq: 14 Jul 2023 16:49

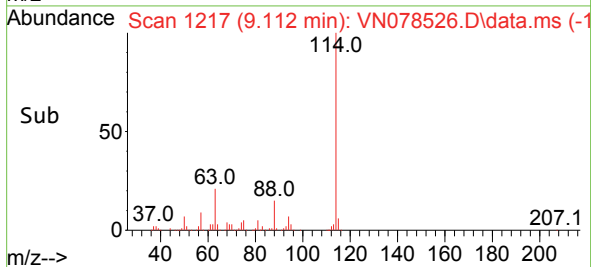
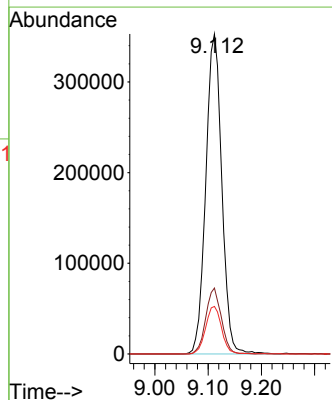
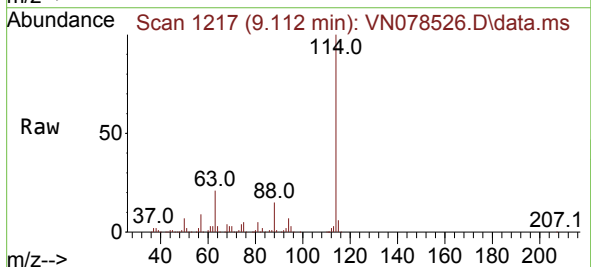
Tgt Ion: 114 Resp: 736822

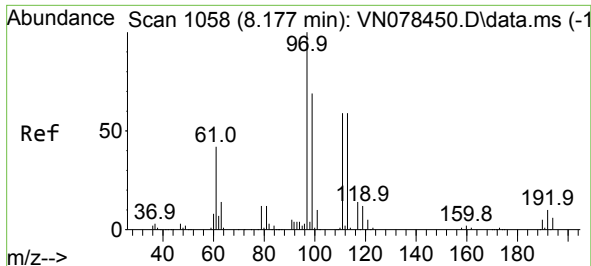
Ion Ratio Lower Upper

114 100

63 20.6 0.0 36.4

88 14.9 0.0 30.6





#35

Dibromofluoromethane

Concen: 55.303 ug/l

RT: 8.176 min Scan# 1058

Delta R.T. -0.001 min

Lab File: VN078526.D

Acq: 14 Jul 2023 16:49

Instrument :

MSVOA_N

ClientSampleId :

RINSATE-BLANK

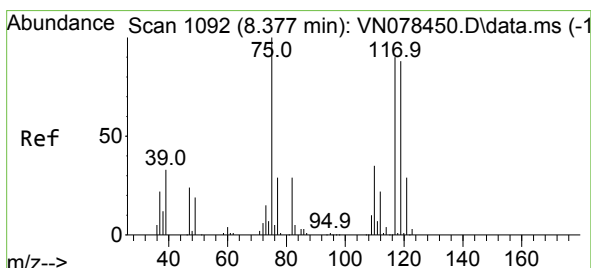
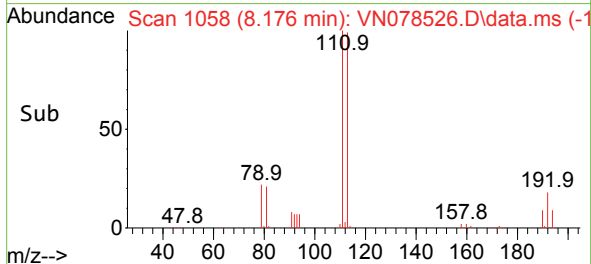
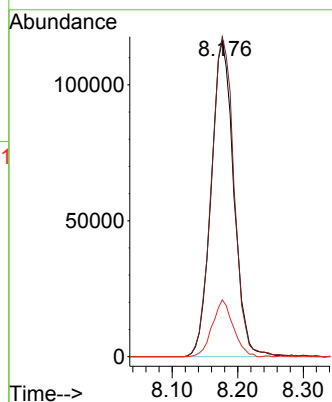
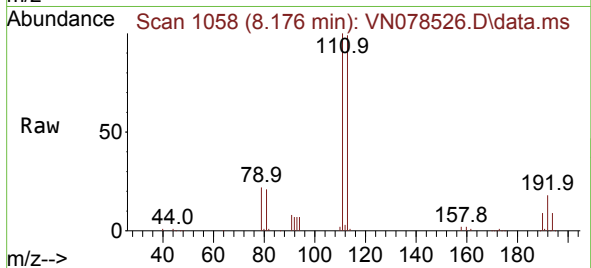
Tgt Ion:113 Resp: 276613

Ion Ratio Lower Upper

113 100

111 102.6 82.6 123.8

192 16.8 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.584 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.142 min

Lab File: VN078526.D

Acq: 14 Jul 2023 16:49

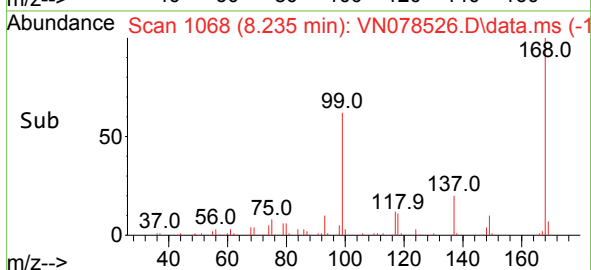
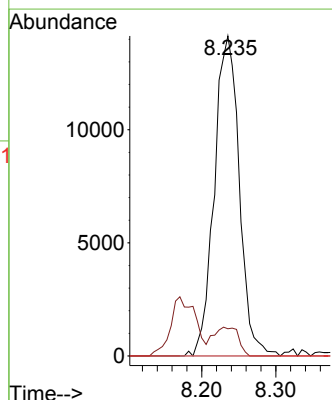
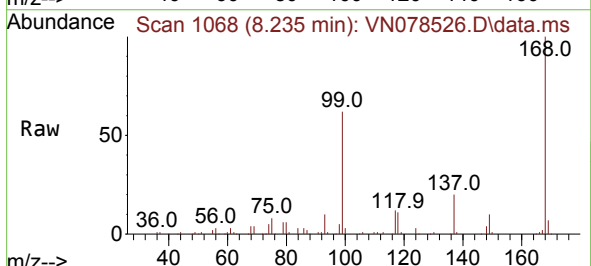
Tgt Ion: 75 Resp: 33109

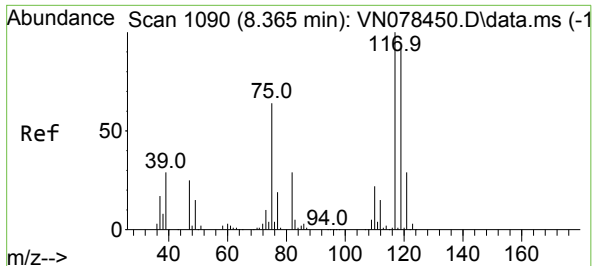
Ion Ratio Lower Upper

75 100

110 9.1 19.1 57.3#

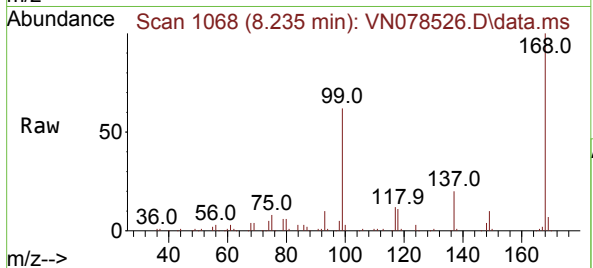
77 0.0 25.0 37.4#



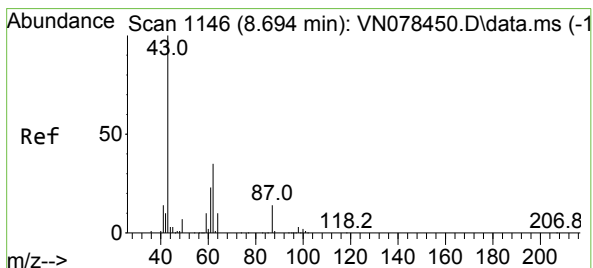
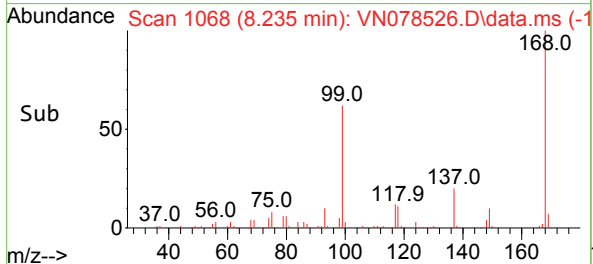
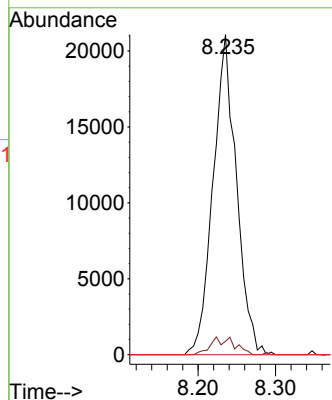


#38
Carbon Tetrachloride
Concen: 5.622 ug/l
RT: 8.235 min Scan# 1103
Delta R.T. -0.130 min
Lab File: VN078526.D
Acq: 14 Jul 2023 16:49

Instrument :
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ClientSampleId :
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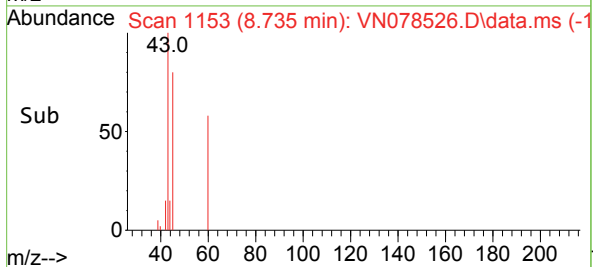
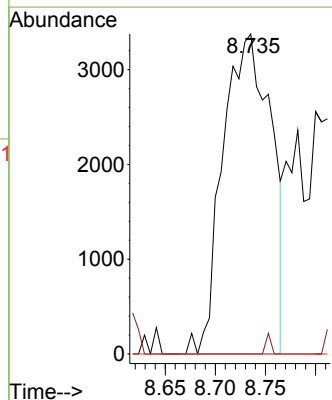
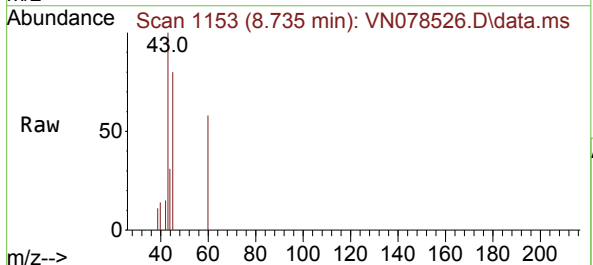


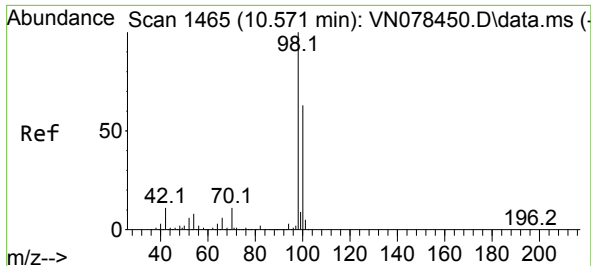
Tgt Ion:117 Resp: 44128
Ion Ratio Lower Upper
117 100
119 4.2 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 1.139 ug/l
RT: 8.735 min Scan# 1153
Delta R.T. 0.041 min
Lab File: VN078526.D
Acq: 14 Jul 2023 16:49

Tgt Ion: 43 Resp: 11288
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#

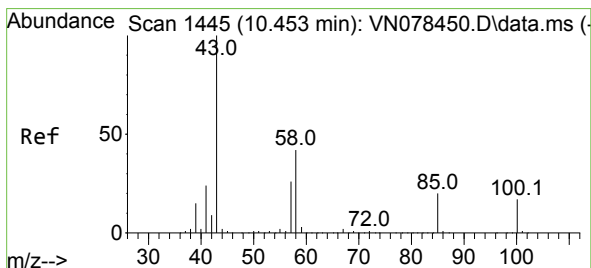
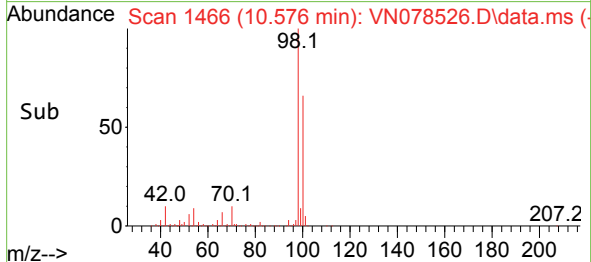
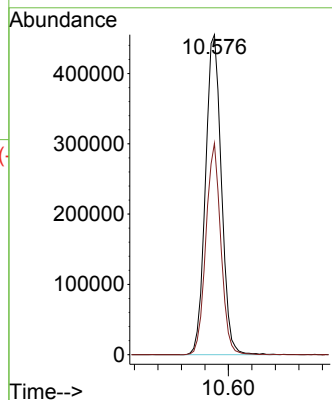
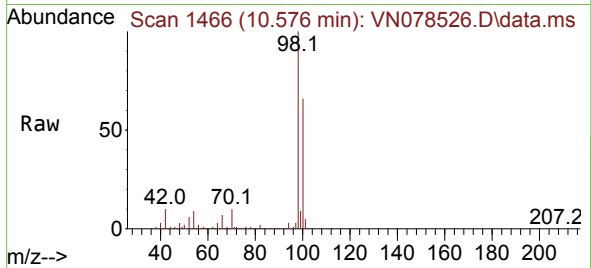




#50
Toluene-d8
Concen: 45.122 ug/l
RT: 10.576 min Scan# 1465
Delta R.T. 0.005 min
Lab File: VN078526.D
Acq: 14 Jul 2023 16:49

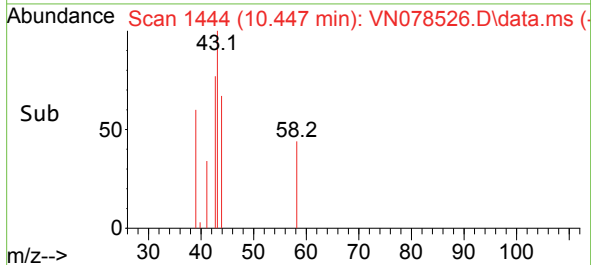
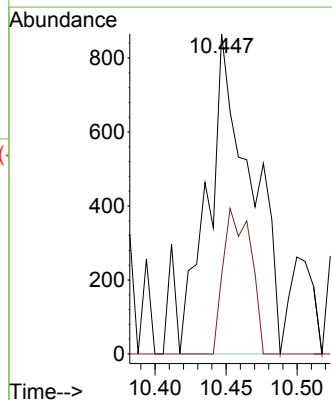
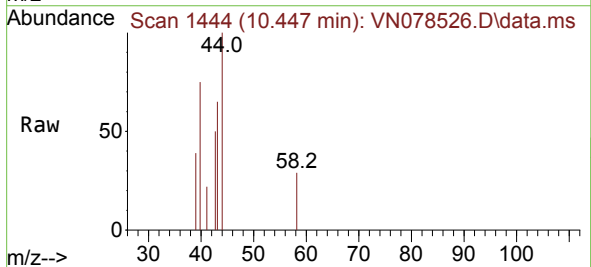
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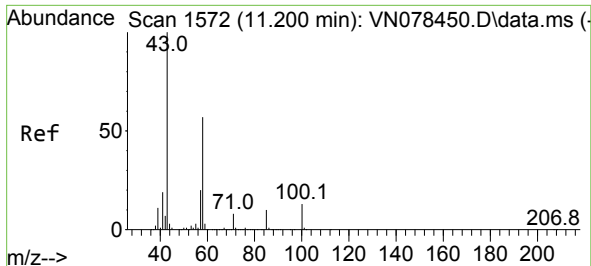
Tgt Ion: 98 Resp: 852583
Ion Ratio Lower Upper
98 100
100 62.0 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.307 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN078526.D
Acq: 14 Jul 2023 16:49

Tgt Ion: 43 Resp: 1808
Ion Ratio Lower Upper
43 100
58 29.3 36.6 54.8#

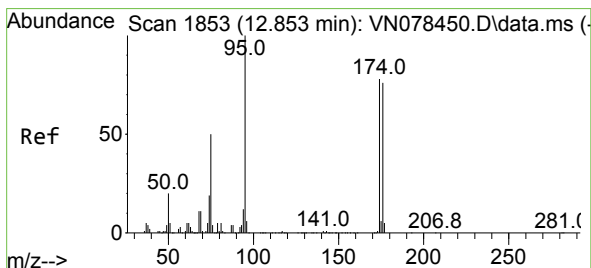
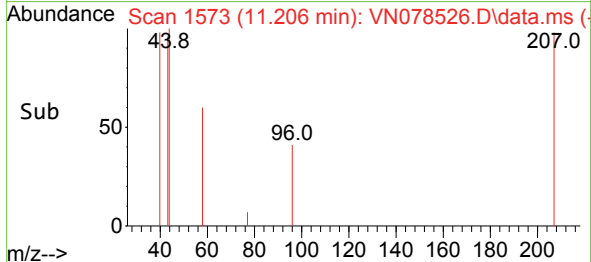
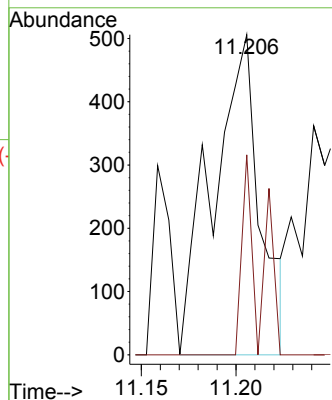
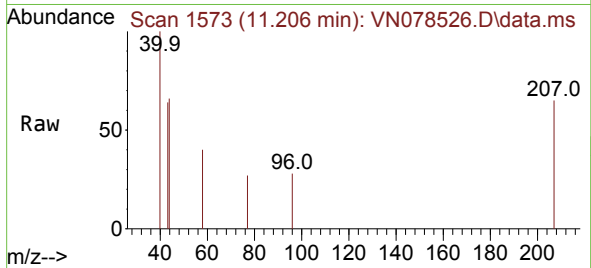




#59
2-Hexanone
Concen: 0.210 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078526.D
Acq: 14 Jul 2023 16:49

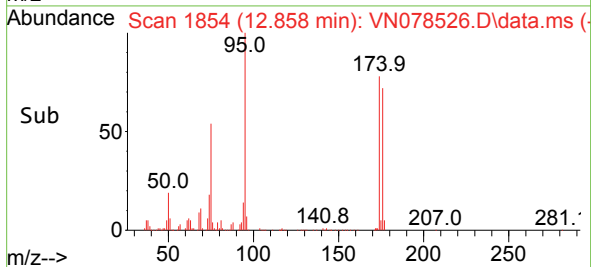
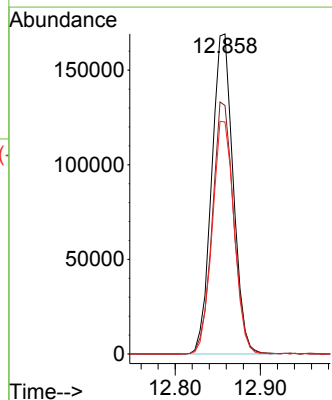
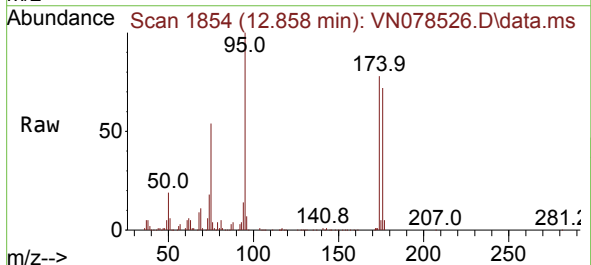
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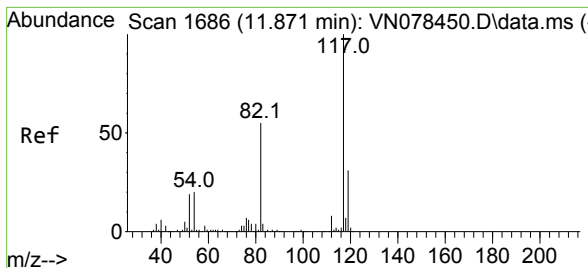
Tgt Ion: 43 Resp: 878
Ion Ratio Lower Upper
43 100
58 23.2 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 50.868 ug/l
RT: 12.858 min Scan# 1854
Delta R.T. 0.005 min
Lab File: VN078526.D
Acq: 14 Jul 2023 16:49

Tgt Ion: 95 Resp: 296058
Ion Ratio Lower Upper
95 100
174 78.4 0.0 143.8
176 73.7 0.0 135.8

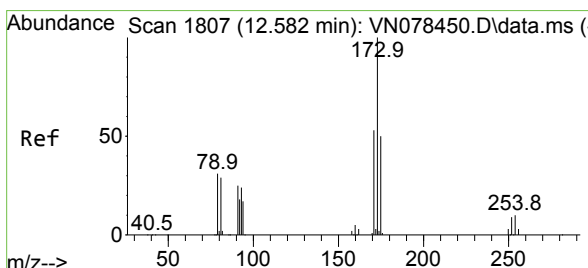
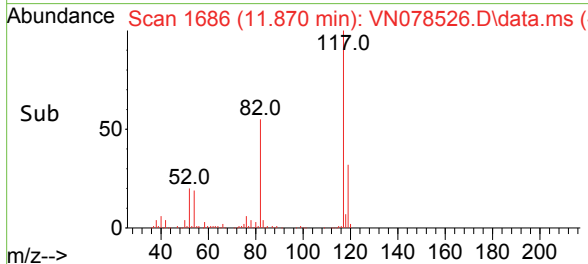
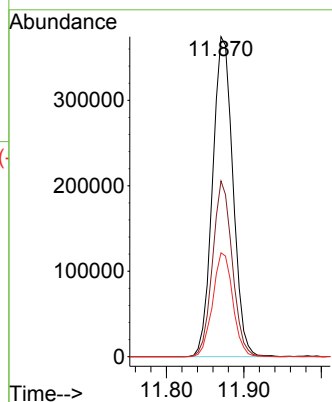
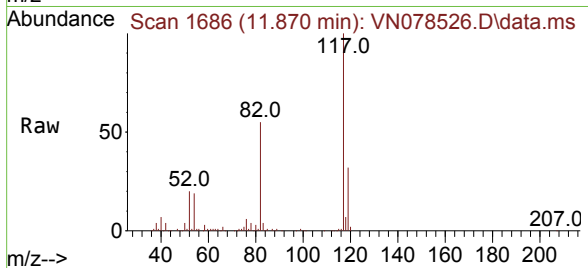




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1170
Delta R.T. -0.001 min
Lab File: VN078526.D
Acq: 14 Jul 2023 16:49

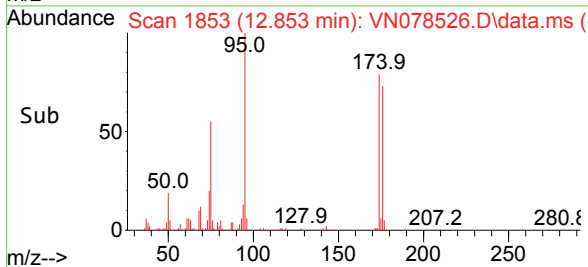
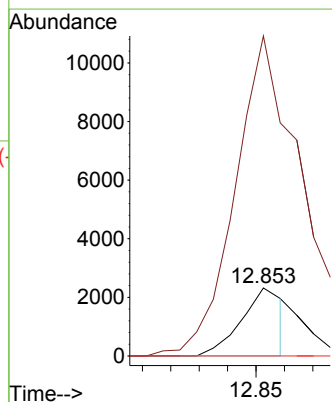
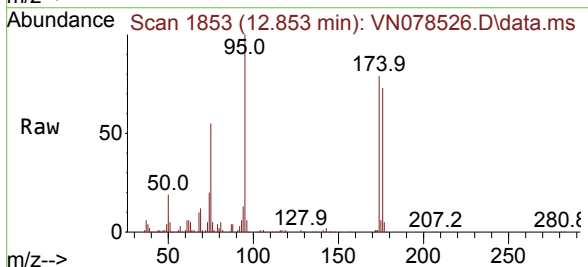
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MSVOA_N
ClientSampleId :
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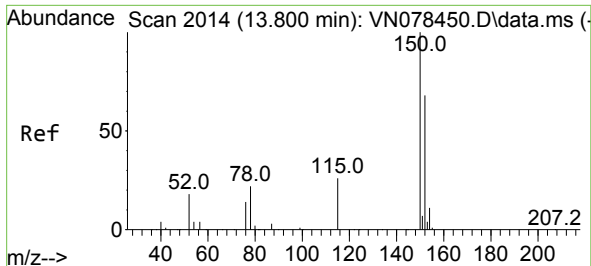
Tgt Ion:117 Resp: 683725
Ion Ratio Lower Upper
117 100
82 54.9 44.0 66.0
119 32.5 25.6 38.4



#71
Bromoform
Concen: 0.595 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN078526.D
Acq: 14 Jul 2023 16:49

Tgt Ion:173 Resp: 2370
Ion Ratio Lower Upper
173 100
175 518.9 24.3 73.0#
254 0.0 0.0 0.0

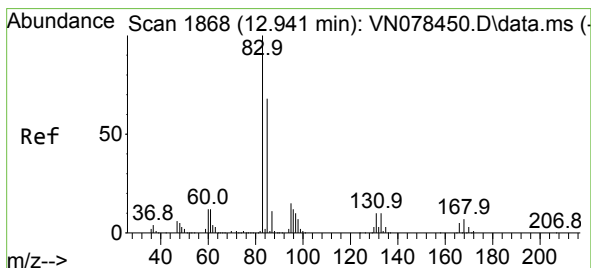
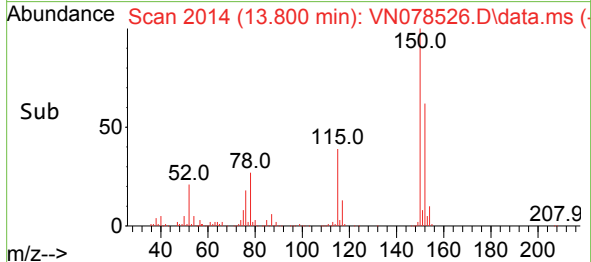
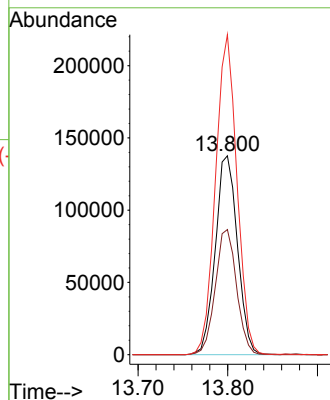
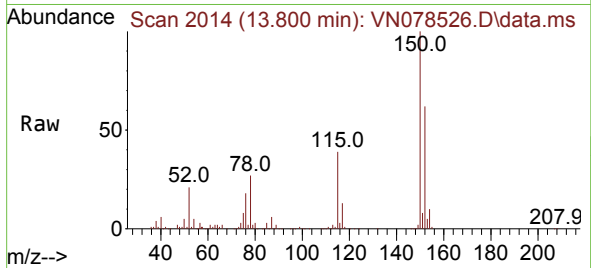




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN078526.D
 Acq: 14 Jul 2023 16:49

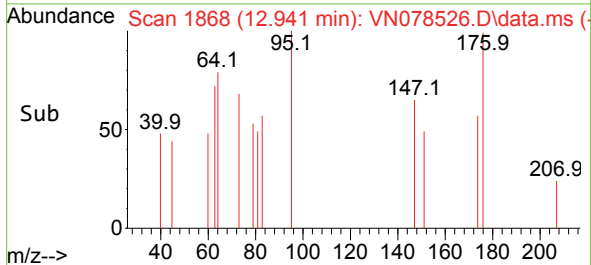
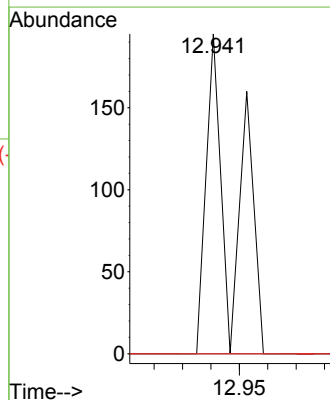
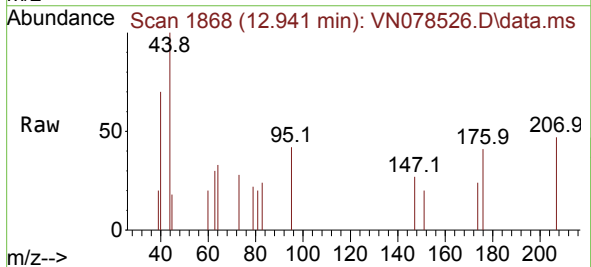
Instrument :
 MSVOA_N
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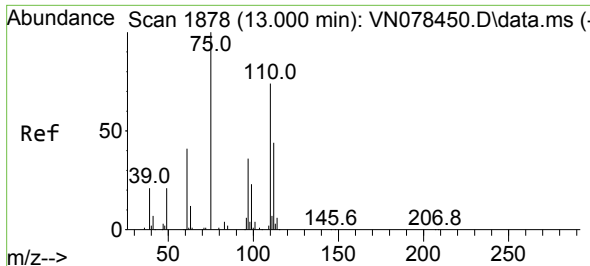
Tgt Ion:152 Resp: 235374
 Ion Ratio Lower Upper
 152 100
 115 60.8 32.3 96.8
 150 155.7 0.0 355.8



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.941 min Scan# 1868
 Delta R.T. -0.000 min
 Lab File: VN078526.D
 Acq: 14 Jul 2023 16:49

Tgt Ion: 83 Resp: 125
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.0 15.0#
 85 0.0 31.9 95.7#

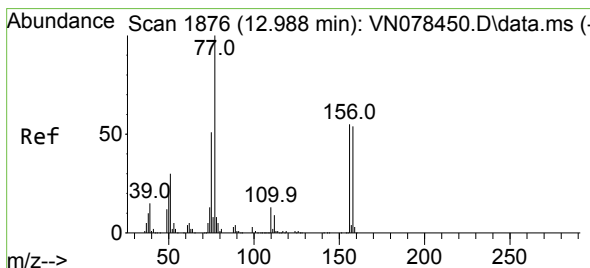
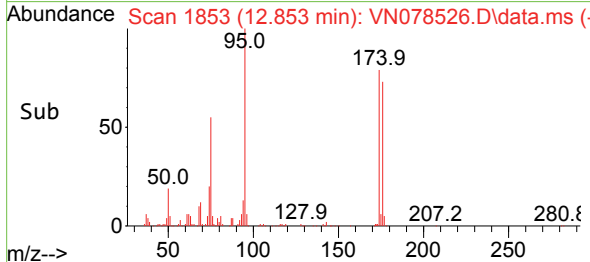
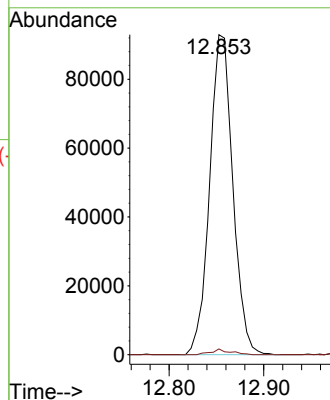
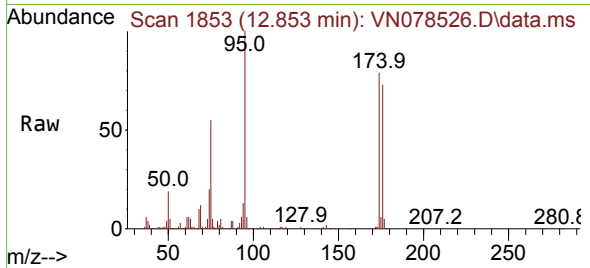




#76
1,2,3-Trichloropropane
Concen: 27.777 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078526.D
Acq: 14 Jul 2023 16:49

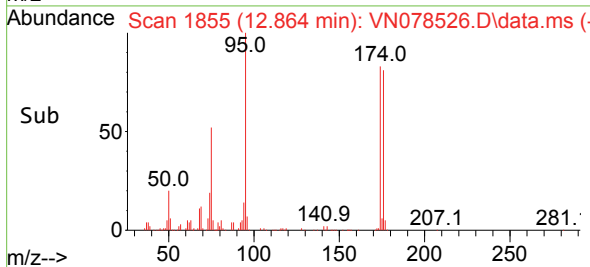
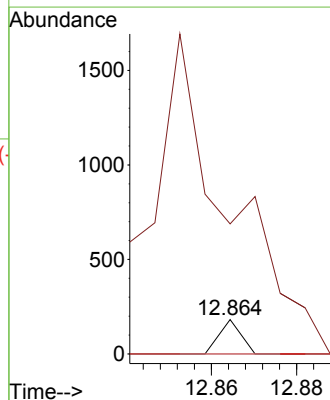
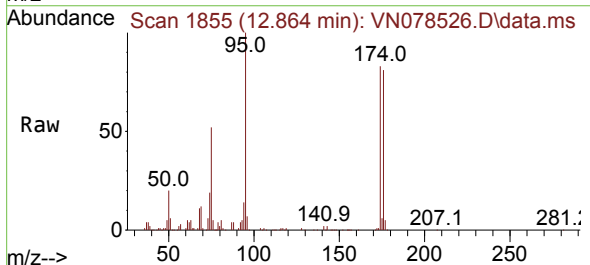
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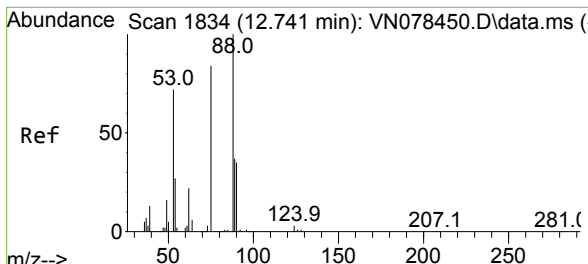
Tgt Ion: 75 Resp: 158031
Ion Ratio Lower Upper
75 100
77 1.4 84.5 253.5#



#77
Bromobenzene
Concen: Below Cal
RT: 12.864 min Scan# 1855
Delta R.T. -0.124 min
Lab File: VN078526.D
Acq: 14 Jul 2023 16:49

Tgt Ion:156 Resp: 64
Ion Ratio Lower Upper
156 100
77 3512.5 107.7 323.3#
158 0.0 48.4 145.3#

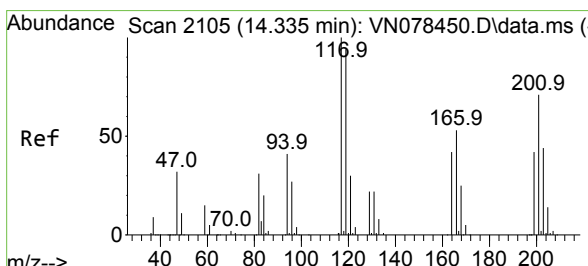
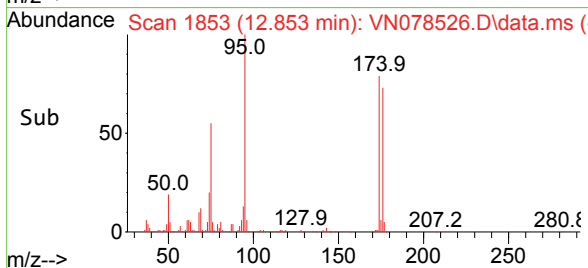
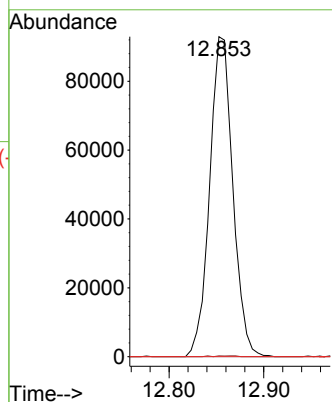
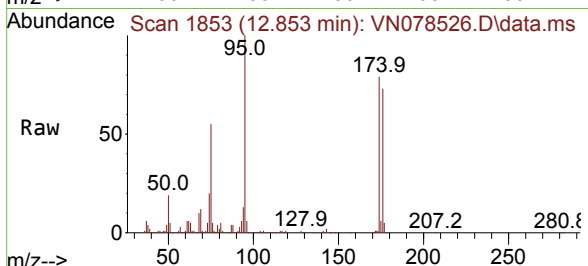




#81
trans-1,4-Dichloro-2-butene
Concen: 72.993 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078526.D
Acq: 14 Jul 2023 16:49

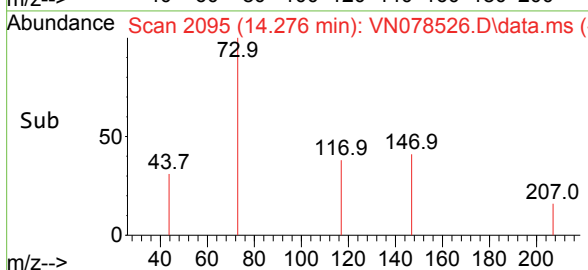
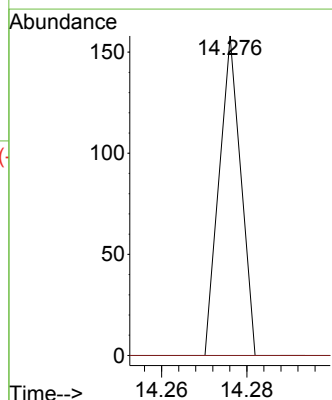
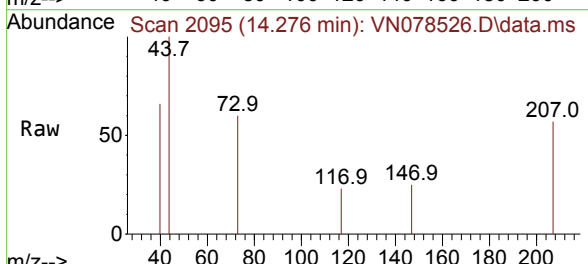
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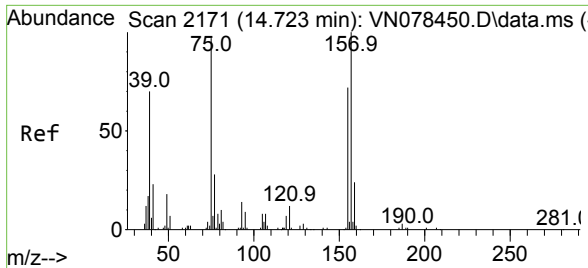
Tgt Ion: 75 Resp: 158031
Ion Ratio Lower Upper
75 100
53 0.3 67.4 101.2#
89 0.0 38.8 58.2#



#90
Hexachloroethane
Concen: Below Cal
RT: 14.276 min Scan# 2095
Delta R.T. -0.059 min
Lab File: VN078526.D
Acq: 14 Jul 2023 16:49

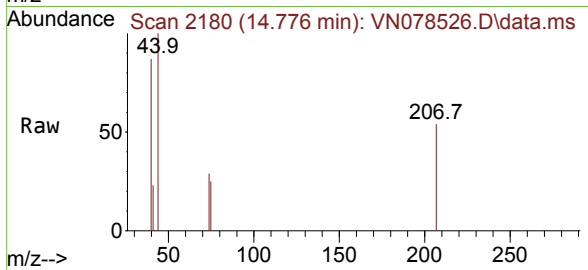
Tgt Ion: 117 Resp: 56
Ion Ratio Lower Upper
117 100
201 0.0 29.3 88.0#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.776 min Scan# 21
 Delta R.T. 0.053 min
 Lab File: VN078526.D
 Acq: 14 Jul 2023 16:49

Instrument :
 MSVOA_N
 ClientSampleId :
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Tgt Ion: 75 Resp: 66
 Ion Ratio Lower Upper
 75 100
 155 0.0 39.1 117.2#
 157 0.0 50.3 150.9#

