

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031323\
 Data File : VN076965.D
 Acq On : 13 Mar 2023 16:32
 Operator : JC\MD
 Sample : 01880-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT14911-20230309

Quant Time: Mar 14 07:04:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 13:47:39 2023
 Response via : Initial Calibration

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

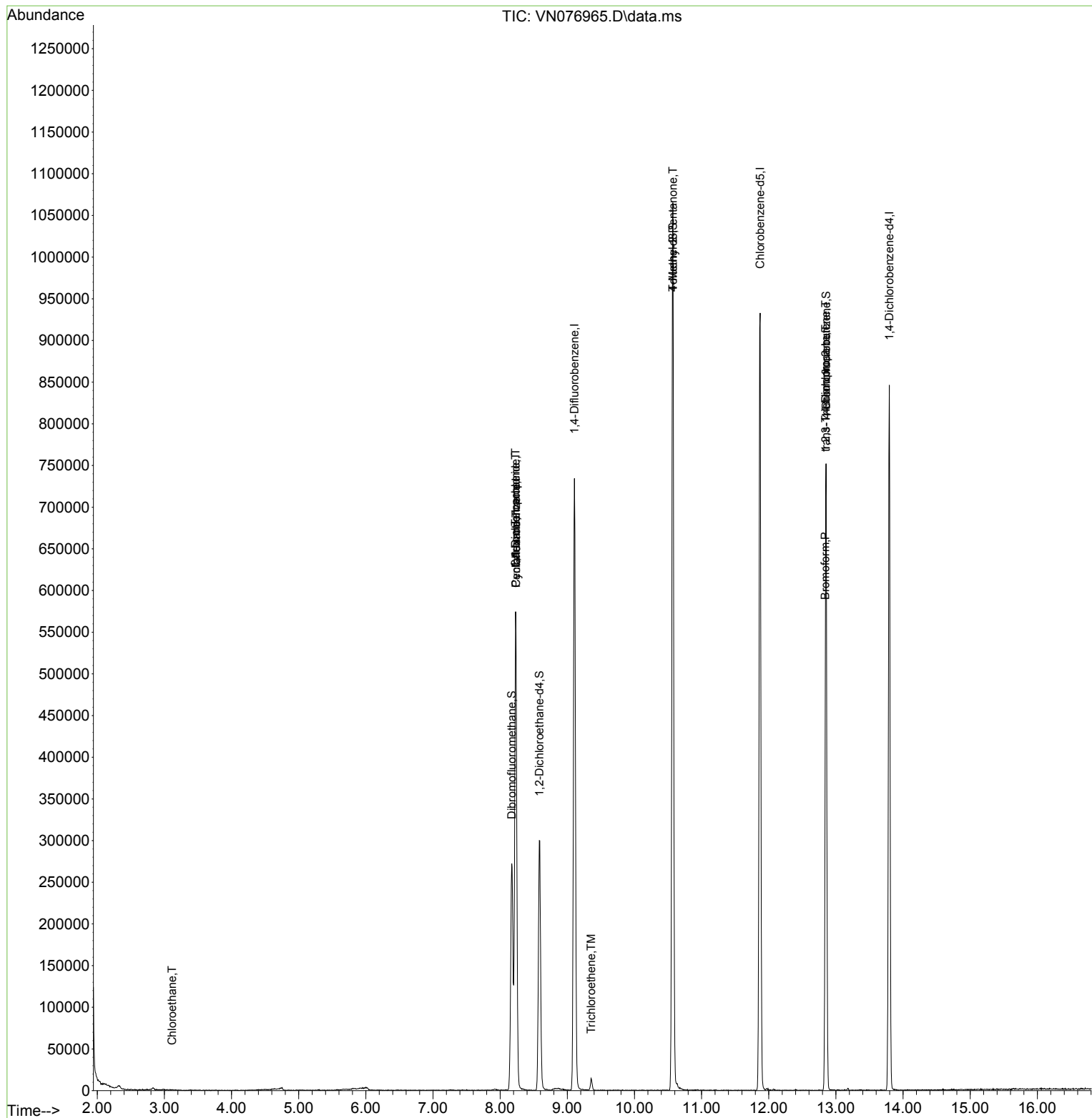
Internal Standards						
1) Pentafluorobenzene	8.237	168	398515	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	629582	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	550410	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	228205	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	268538	45.156	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.320%		
35) Dibromofluoromethane	8.172	113	201227	47.957	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.920%		
50) Toluene-d8	10.572	98	745677	48.220	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.440%		
62) 4-Bromofluorobenzene	12.854	95	267981	47.378	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.760%		
Target Compounds						
					Qvalue	
6) Chloroethane	3.113	64	474	0.207	ug/l #	42
31) Cyclohexane	8.237	56	8470	0.993	ug/l #	44
36) 1,1-Dichloropropene	8.231	75	32170	4.957	ug/l #	49
38) Carbon Tetrachloride	8.231	117	45757	6.025	ug/l #	17
44) Trichloroethene	9.354	130	4871	0.985	ug/l	92
51) 4-Methyl-2-Pentanone	10.572	43	3177	0.577	ug/l #	1
71) Bromoform	12.842	173	1033	0.297	ug/l #	1
76) 1,2,3-Trichloropropane	12.848	75	147699	26.696	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.848	75	147699	87.202	ug/l #	15

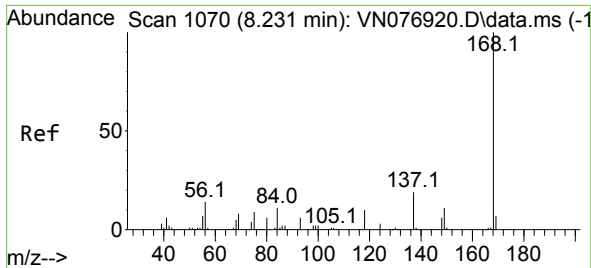
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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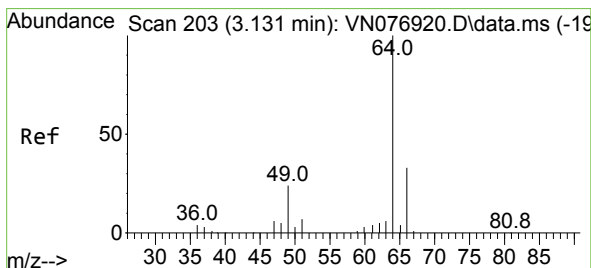
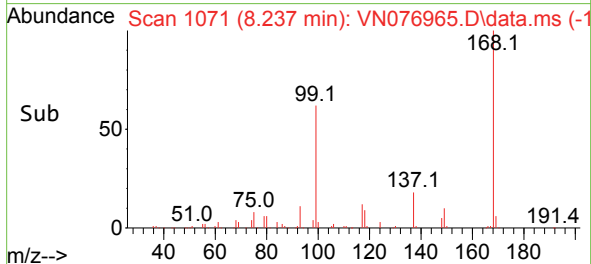
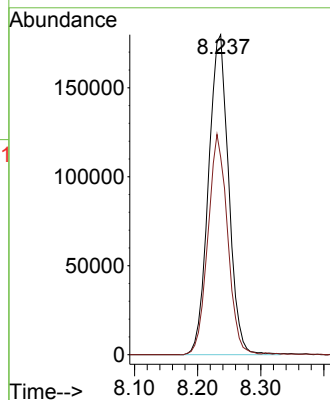
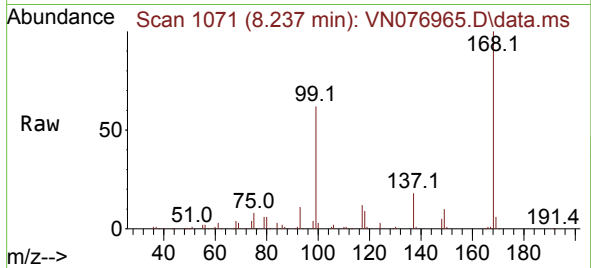




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.237 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN076965.D
Acq: 13 Mar 2023 16:32

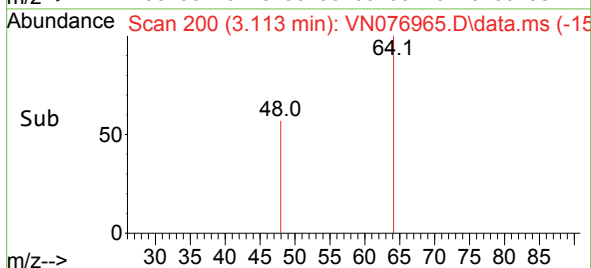
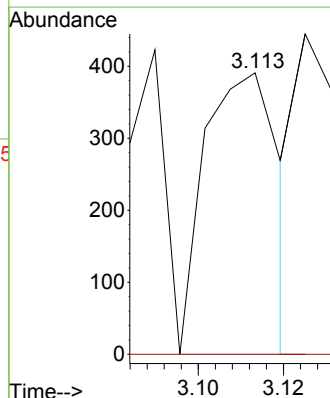
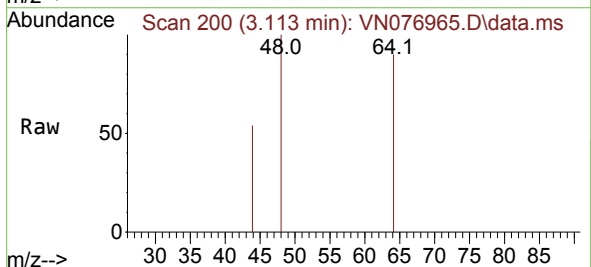
Instrument :
MSVOA_N
ClientSampleId :
TT14911-20230309

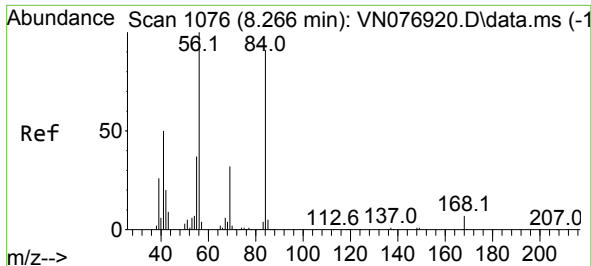
Tgt Ion:168 Resp: 398515
Ion Ratio Lower Upper
168 100
99 61.7 48.6 73.0



#6
Chloroethane
Concen: 0.207 ug/l
RT: 3.113 min Scan# 200
Delta R.T. -0.018 min
Lab File: VN076965.D
Acq: 13 Mar 2023 16:32

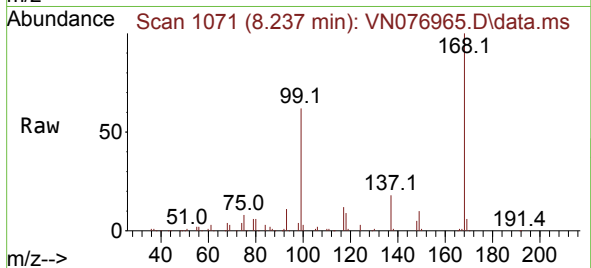
Tgt Ion: 64 Resp: 474
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



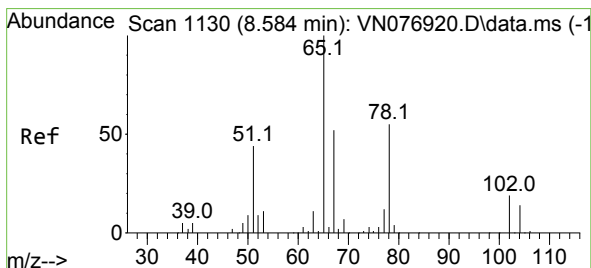
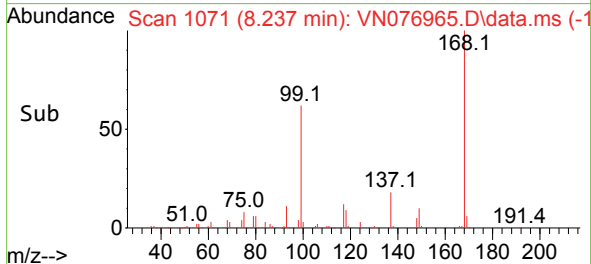
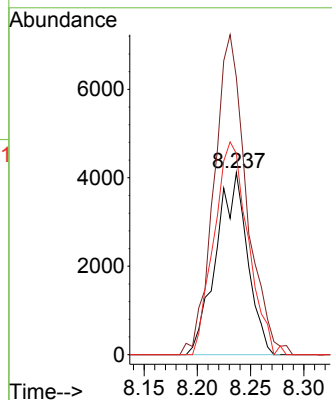


#31
Cyclohexane
Concen: 0.993 ug/l
RT: 8.237 min Scan# 1076
Delta R.T. -0.029 min
Lab File: VN076965.D
Acq: 13 Mar 2023 16:32

Instrument :
MSVOA_N
ClientSampleId :
TT14911-20230309

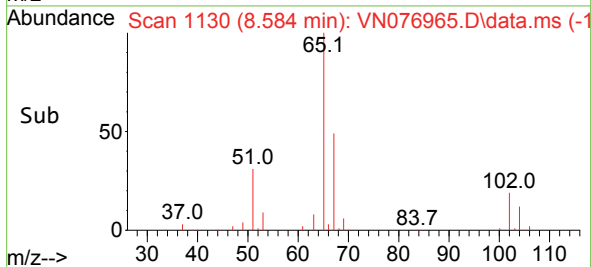
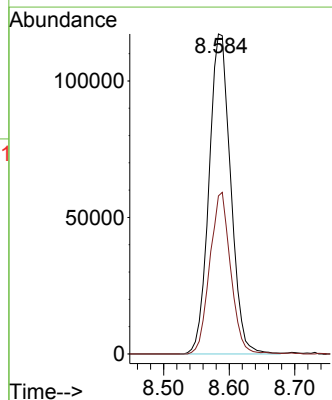
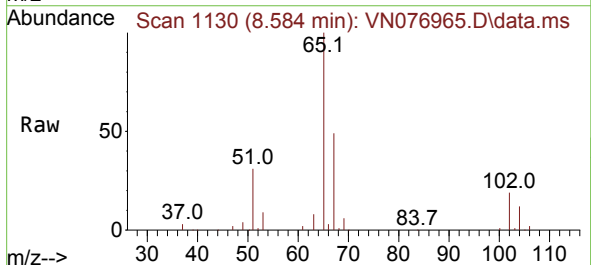


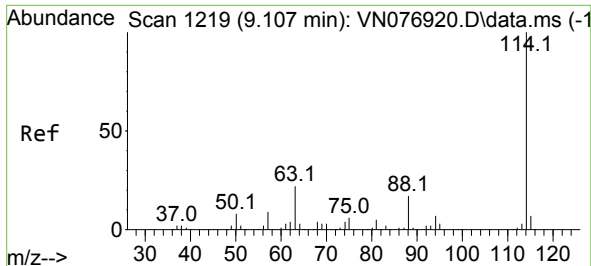
Tgt Ion: 56 Resp: 8470
Ion Ratio Lower Upper
56 100
69 152.2 27.0 40.6#
84 110.4 82.9 124.3



#33
1,2-Dichloroethane-d4
Concen: 45.156 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN076965.D
Acq: 13 Mar 2023 16:32

Tgt Ion: 65 Resp: 268538
Ion Ratio Lower Upper
65 100
67 48.7 0.0 107.2

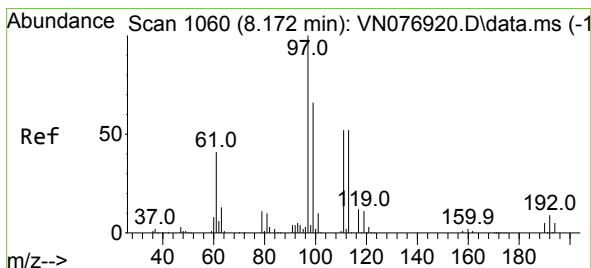
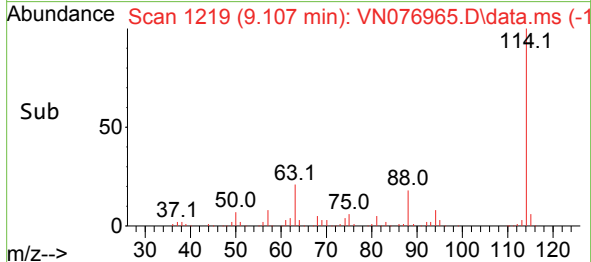
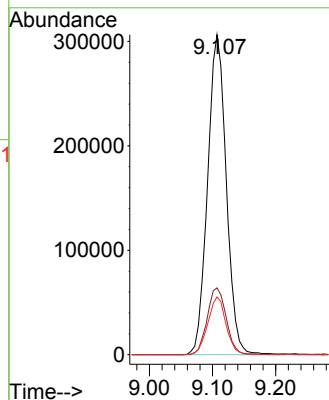
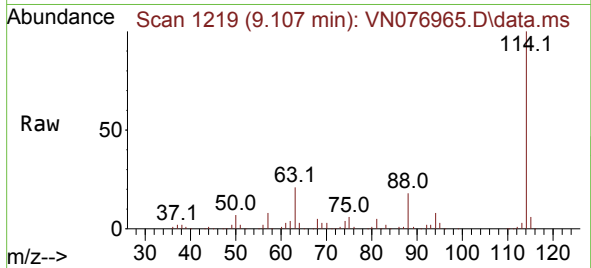




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN076965.D
Acq: 13 Mar 2023 16:32

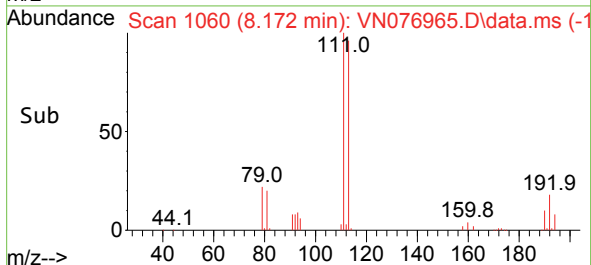
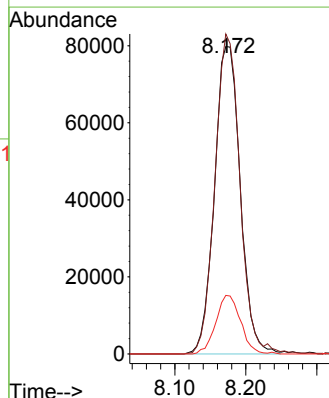
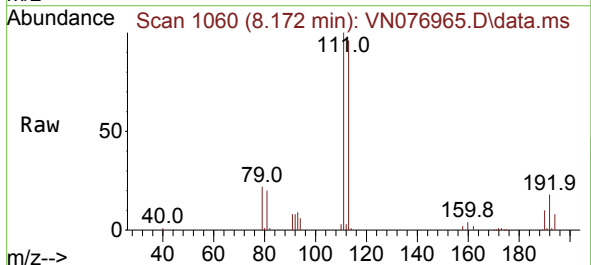
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MSVOA_N
ClientSampleId :
TT14911-20230309

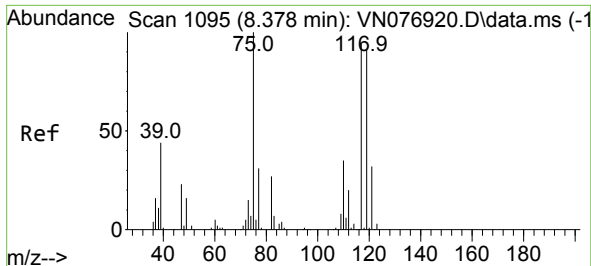
Tgt Ion:114 Resp: 629582
Ion Ratio Lower Upper
114 100
63 20.9 0.0 36.6
88 18.0 0.0 28.6



#35
Dibromofluoromethane
Concen: 47.957 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN076965.D
Acq: 13 Mar 2023 16:32

Tgt Ion:113 Resp: 201227
Ion Ratio Lower Upper
113 100
111 101.1 81.8 122.8
192 18.2 13.9 20.9

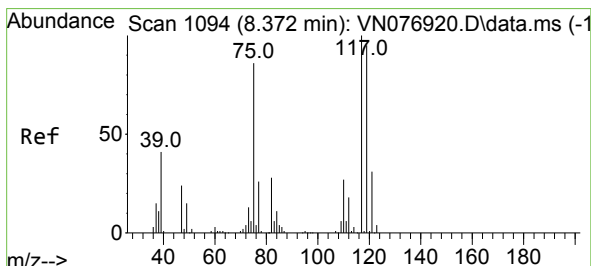
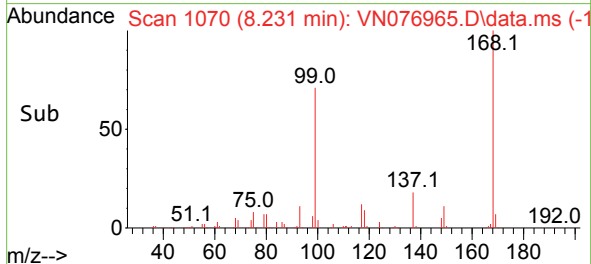
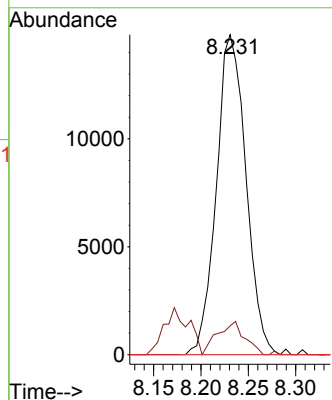
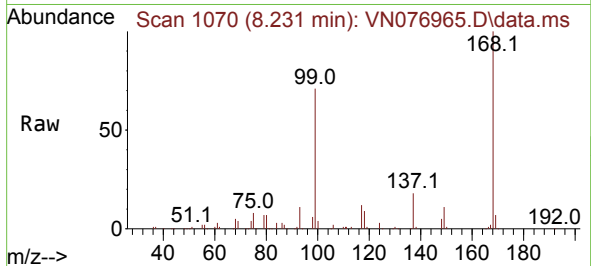




#36
1,1-Dichloropropene
Concen: 4.957 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.147 min
Lab File: VN076965.D
Acq: 13 Mar 2023 16:32

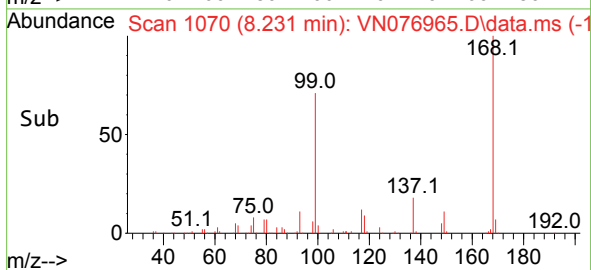
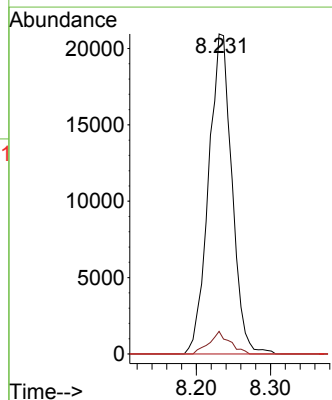
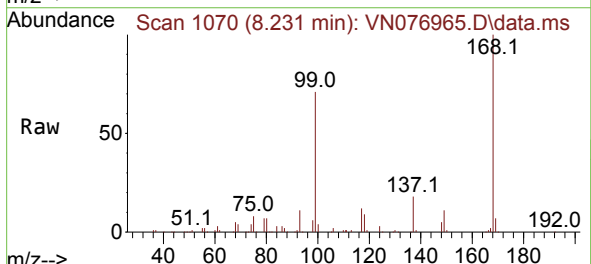
Instrument :
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ClientSampleId :
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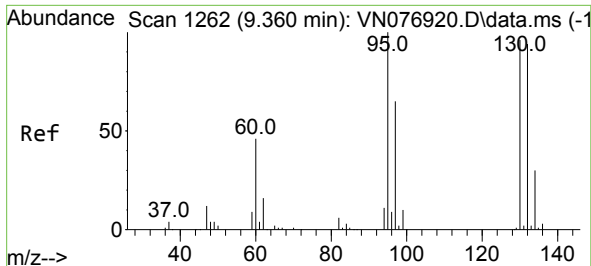
Tgt Ion: 75 Resp: 32170
Ion Ratio Lower Upper
75 100
110 9.5 18.9 56.9#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 6.025 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.141 min
Lab File: VN076965.D
Acq: 13 Mar 2023 16:32

Tgt Ion: 117 Resp: 45757
Ion Ratio Lower Upper
117 100
119 7.0 76.9 115.3#
121 0.0 23.2 34.8#

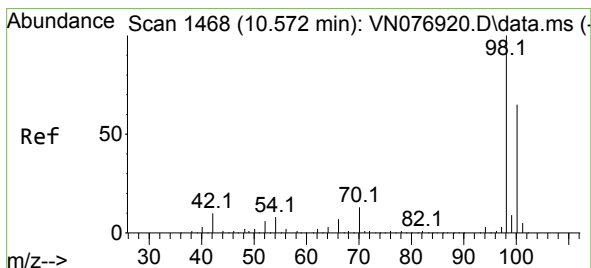
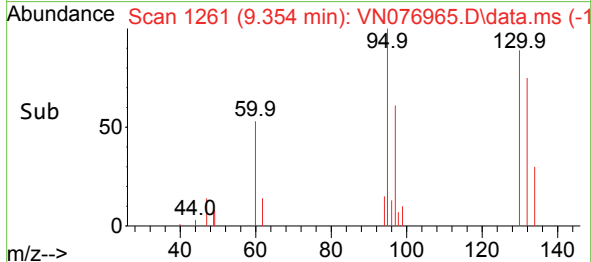
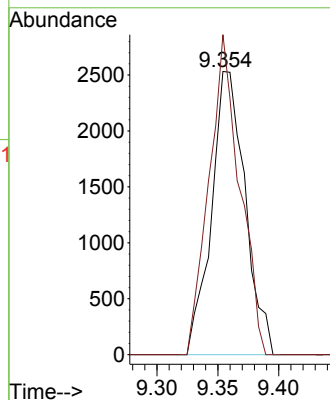
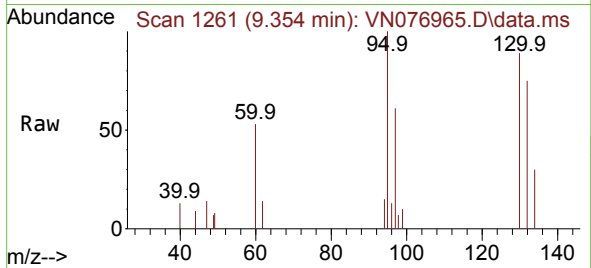




#44
Trichloroethene
Concen: 0.985 ug/l
RT: 9.354 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN076965.D
Acq: 13 Mar 2023 16:32

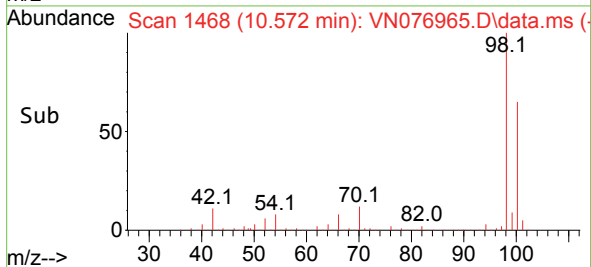
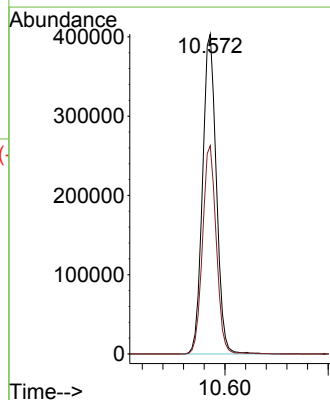
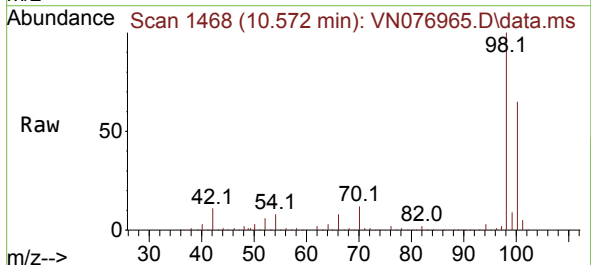
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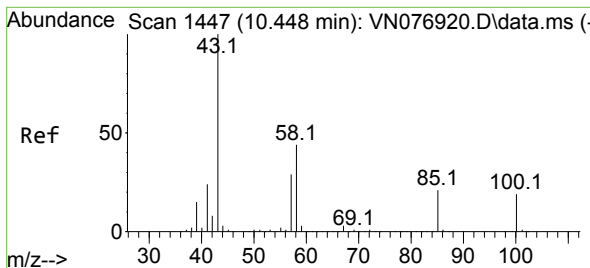
Tgt Ion:130 Resp: 4871
Ion Ratio Lower Upper
130 100
95 113.0 0.0 208.6



#50
Toluene-d8
Concen: 48.220 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN076965.D
Acq: 13 Mar 2023 16:32

Tgt Ion: 98 Resp: 745677
Ion Ratio Lower Upper
98 100
100 65.1 52.8 79.2

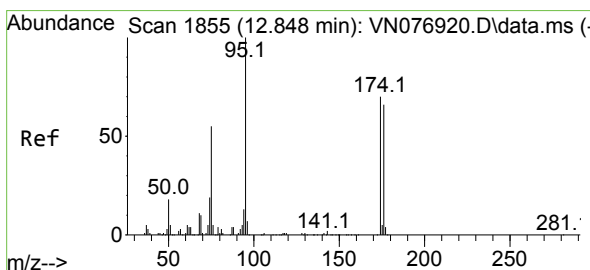
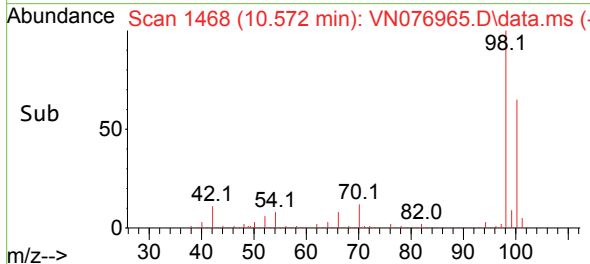
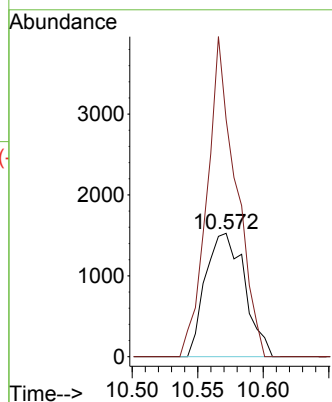
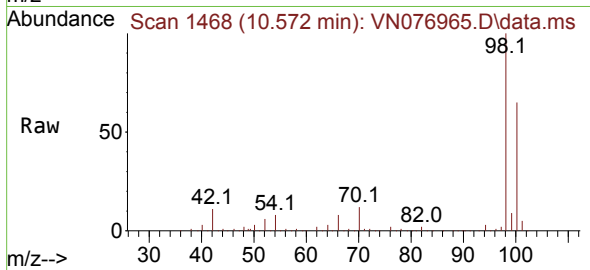




#51
4-Methyl-2-Pentanone
Concen: 0.577 ug/l
RT: 10.572 min Scan# 1447
Delta R.T. 0.124 min
Lab File: VN076965.D
Acq: 13 Mar 2023 16:32

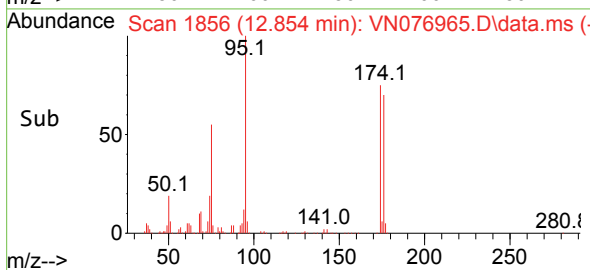
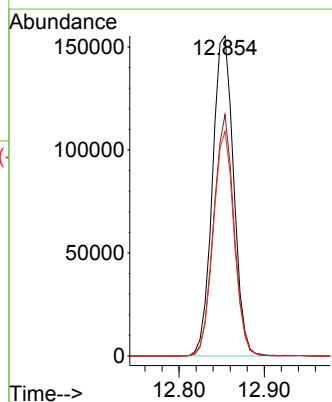
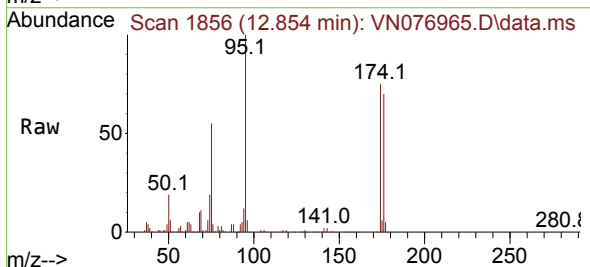
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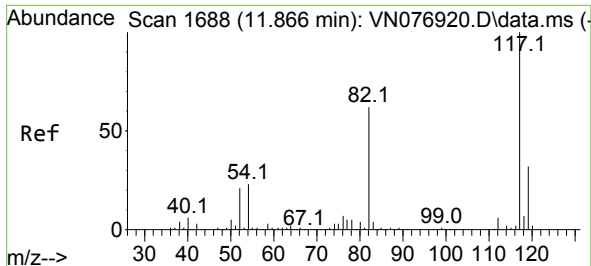
Tgt Ion: 43 Resp: 3177
Ion Ratio Lower Upper
43 100
58 191.3 37.4 56.0#



#62
4-Bromofluorobenzene
Concen: 47.378 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN076965.D
Acq: 13 Mar 2023 16:32

Tgt Ion: 95 Resp: 267981
Ion Ratio Lower Upper
95 100
174 72.7 0.0 162.4
176 69.2 0.0 157.4

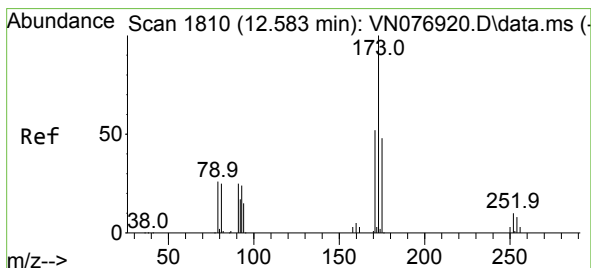
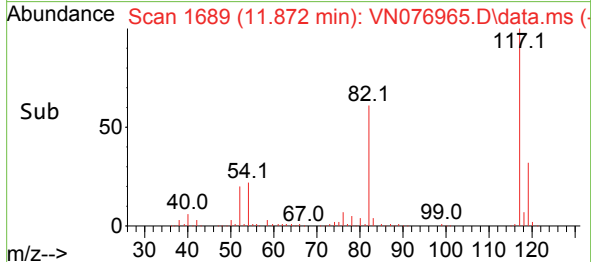
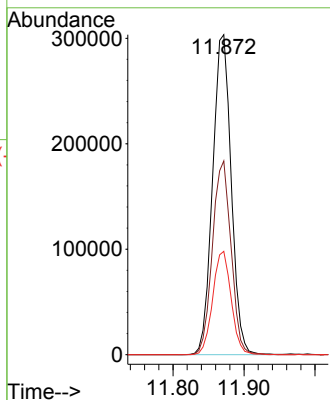
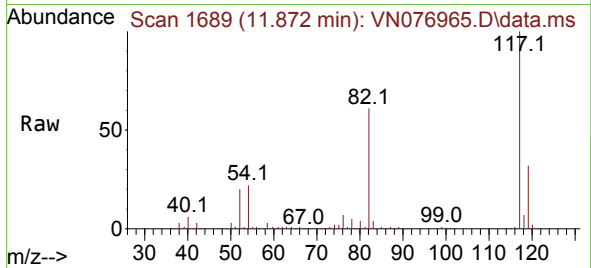




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.872 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN076965.D
Acq: 13 Mar 2023 16:32

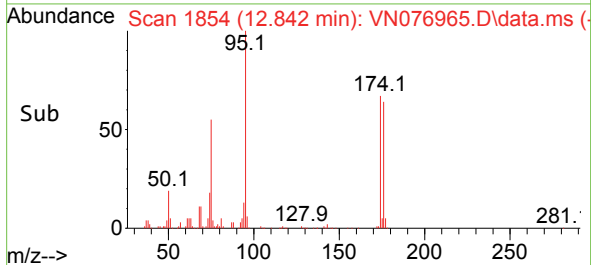
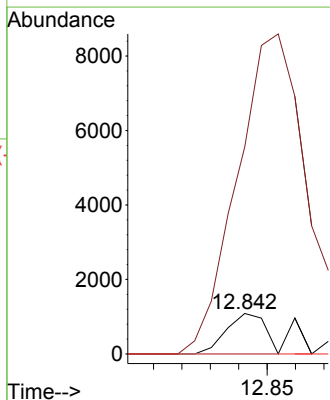
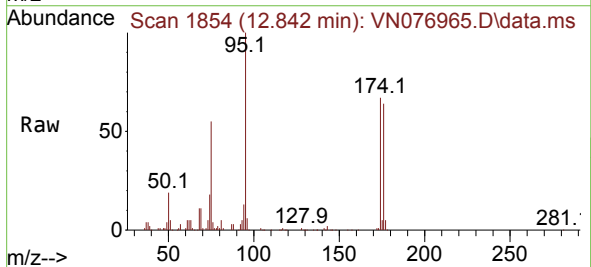
Instrument :
MSVOA_N
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TT14911-20230309

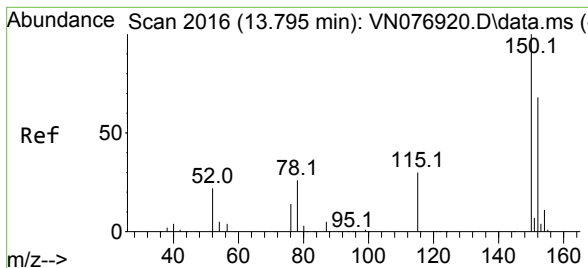
Tgt Ion:117 Resp: 550410
Ion Ratio Lower Upper
117 100
82 60.5 43.5 65.3
119 32.3 25.5 38.3



#71
Bromoform
Concen: 0.297 ug/l
RT: 12.842 min Scan# 1854
Delta R.T. 0.259 min
Lab File: VN076965.D
Acq: 13 Mar 2023 16:32

Tgt Ion:173 Resp: 1033
Ion Ratio Lower Upper
173 100
175 1192.1 24.9 74.6#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.795 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN076965.D

Acq: 13 Mar 2023 16:32

Instrument :

MSVOA_N

ClientSampleId :

TT14911-20230309

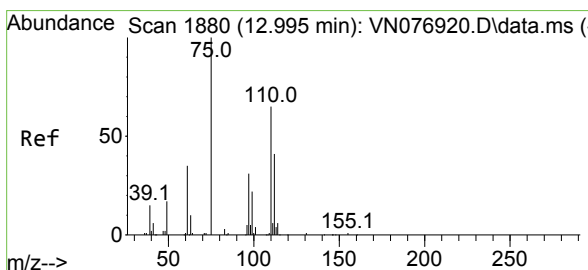
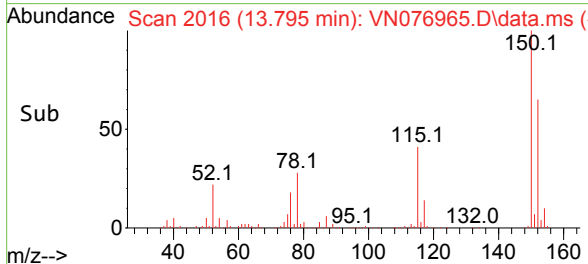
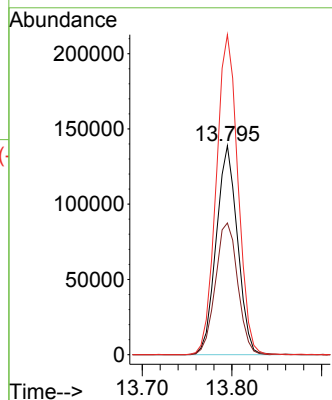
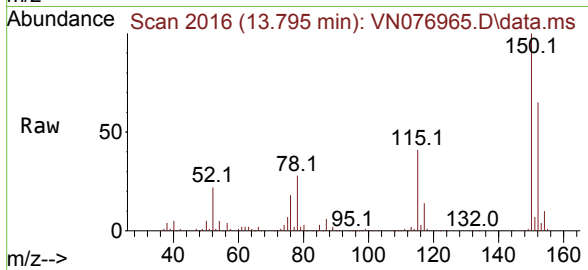
Tgt Ion:152 Resp: 228205

Ion Ratio Lower Upper

152 100

115 66.1 30.3 90.9

150 156.3 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 26.696 ug/l

RT: 12.848 min Scan# 1855

Delta R.T. -0.147 min

Lab File: VN076965.D

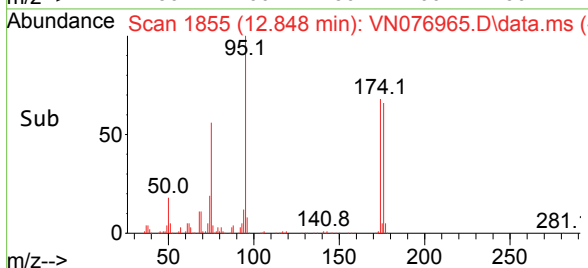
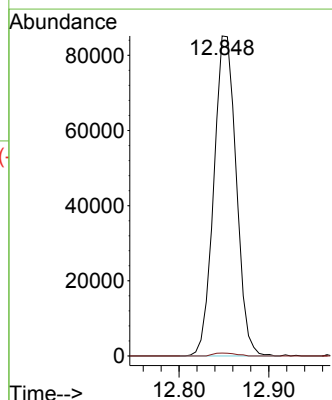
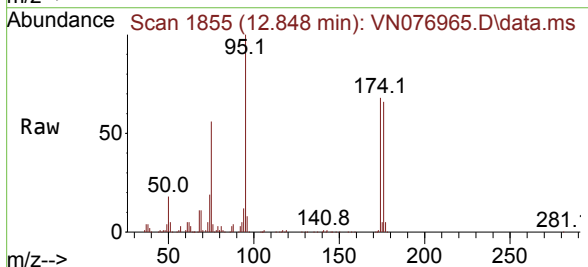
Acq: 13 Mar 2023 16:32

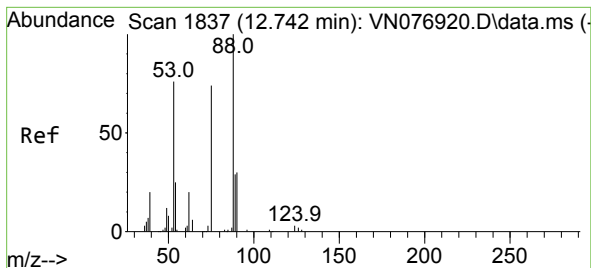
Tgt Ion: 75 Resp: 147699

Ion Ratio Lower Upper

75 100

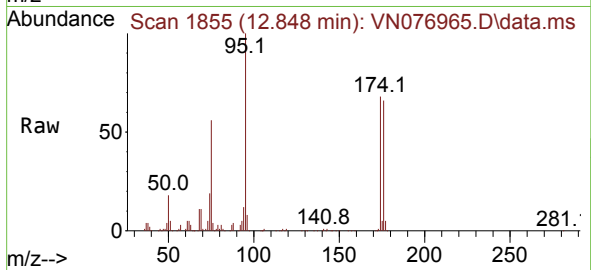
77 0.9 93.8 281.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.202 ug/l
 RT: 12.848 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN076965.D
 Acq: 13 Mar 2023 16:32

Instrument :
 MSVOA_N
 ClientSampleId :
 TT14911-20230309



Tgt Ion: 75 Resp: 147699
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.0#
 89 0.0 39.5 59.3#

