

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032023\
 Data File : VN077073.D
 Acq On : 20 Mar 2023 17:06
 Operator : JC\MD
 Sample : 01941-09 40X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT101D2-20230314

Quant Time: Mar 21 05:38:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 20 08:50:30 2023
 Response via : Initial Calibration

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

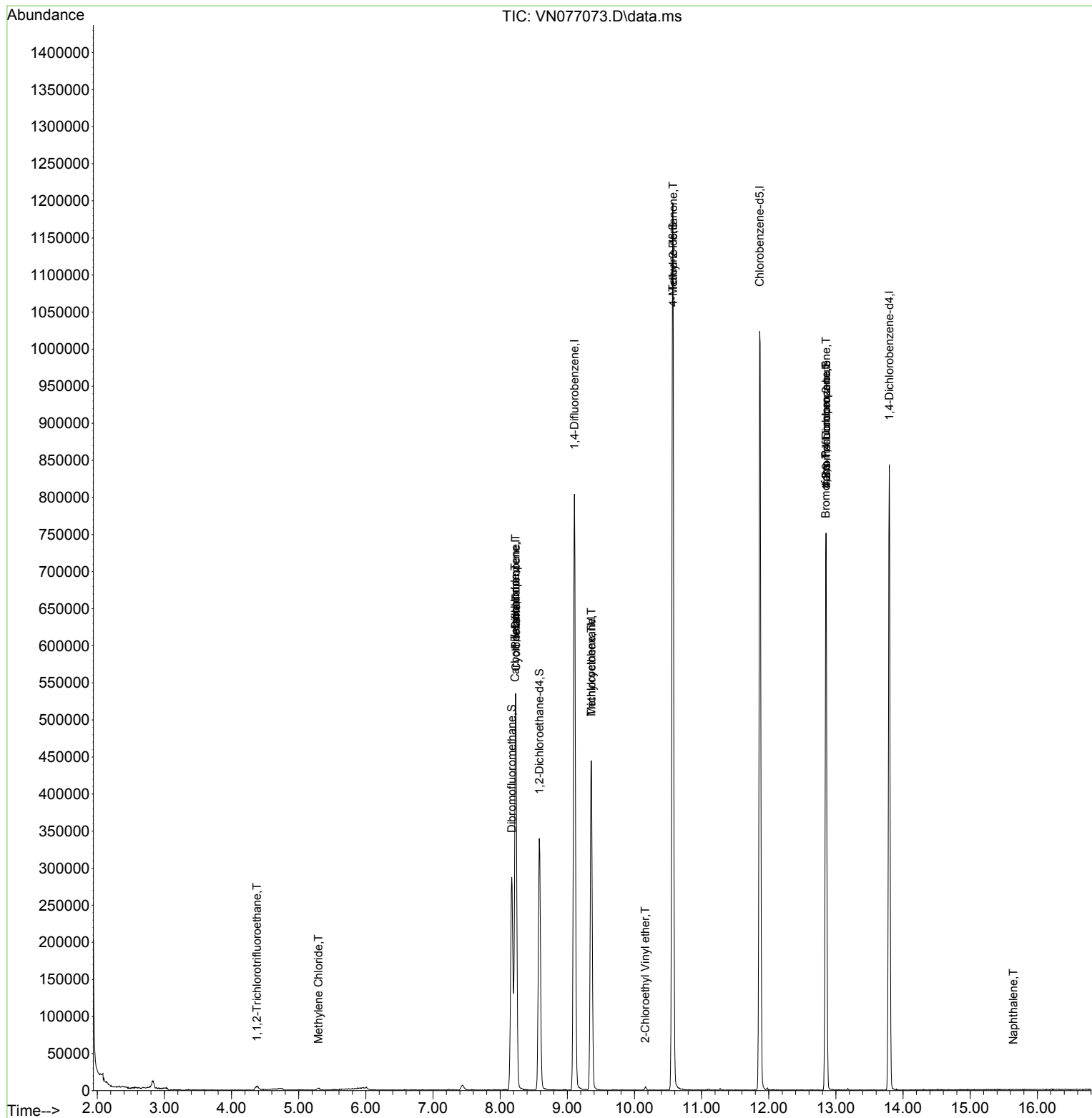
Internal Standards						
1) Pentafluorobenzene	8.231	168	368976	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	677392	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	584988	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	217273	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	282340	47.905	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.820%		
35) Dibromofluoromethane	8.172	113	212707	44.838	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.680%		
50) Toluene-d8	10.572	98	813607	48.013	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.020%		
62) 4-Bromofluorobenzene	12.854	95	265942	44.412	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.820%		
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	4.378	101	1419	0.290	ug/l #	19
20) Methylene Chloride	5.296	84	1520	0.267	ug/l #	58
31) Cyclohexane	8.237	56	8923	0.925	ug/l #	1
36) 1,1-Dichloropropene	8.231	75	33587	4.533	ug/l #	52
38) Carbon Tetrachloride	8.225	117	42317	5.863	ug/l #	15
39) Methylcyclohexane	9.360	83	2337	0.269	ug/l #	1
44) Trichloroethene	9.360	130	163533	31.683	ug/l	95
51) 4-Methyl-2-Pentanone	10.578	43	3098	0.402	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.160	63	2090	0.616	ug/l #	62
71) Bromoform	12.848	173	1335	0.396	ug/l #	28
76) 1,2,3-Trichloropropane	12.854	75	139409	24.806	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	139409	68.279	ug/l #	10
95) Naphthalene	15.642	128	563	1.949	ug/l #	70

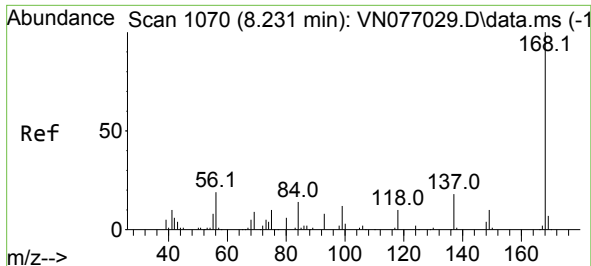
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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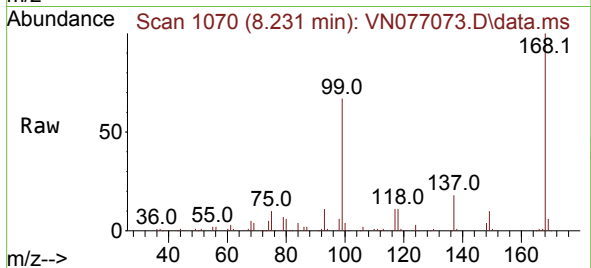
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 20 08:50:30 2023
Response via : Initial Calibration



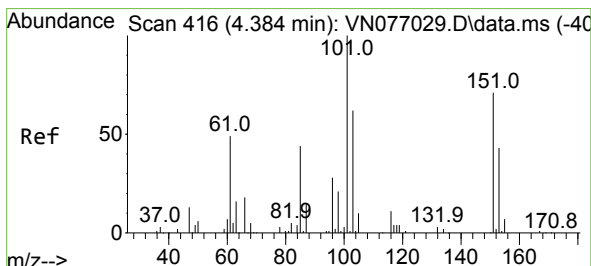
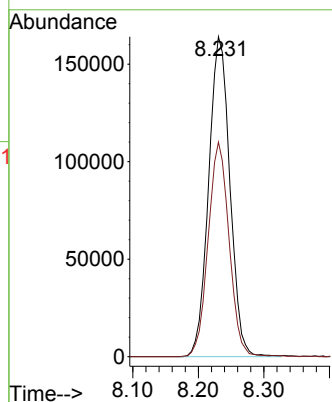
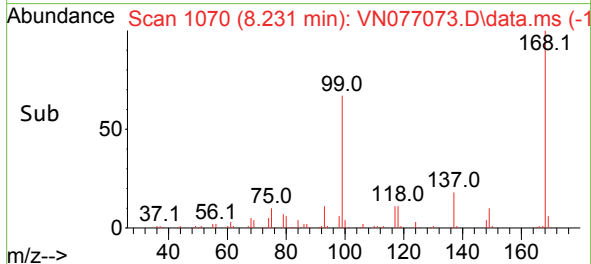


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN077073.D
Acq: 20 Mar 2023 17:06

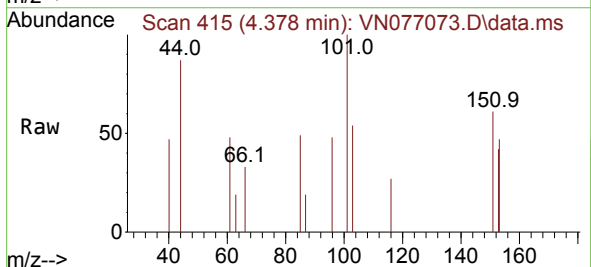
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MSVOA_N
ClientSampleId :
TT101D2-20230314



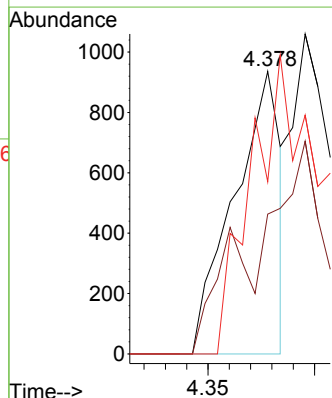
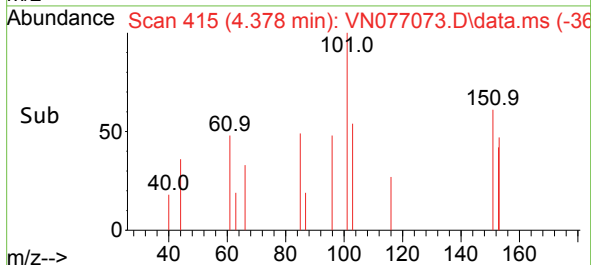
Tgt Ion:168 Resp: 368976
Ion Ratio Lower Upper
168 100
99 67.1 53.9 80.9

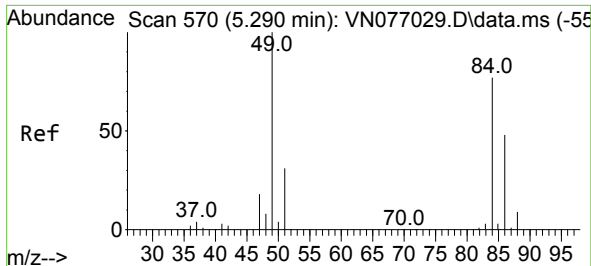


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.290 ug/l
RT: 4.378 min Scan# 415
Delta R.T. -0.006 min
Lab File: VN077073.D
Acq: 20 Mar 2023 17:06



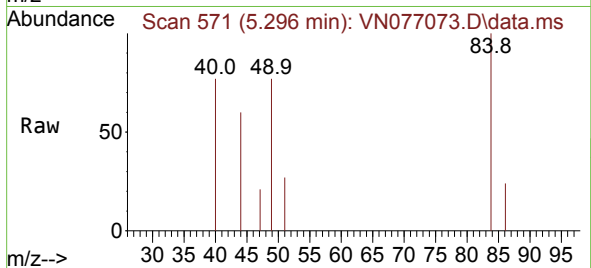
Tgt Ion:101 Resp: 1419
Ion Ratio Lower Upper
101 100
85 72.3 36.6 55.0#
151 160.5 56.9 85.3#



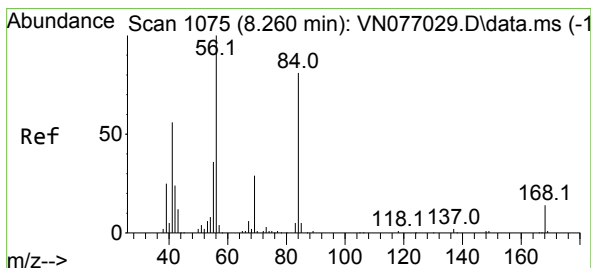
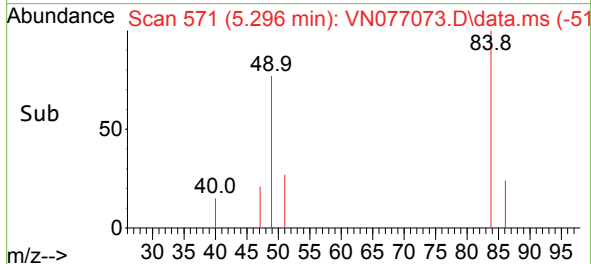
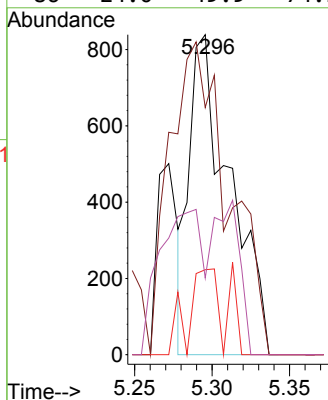


#20
Methylene Chloride
Concen: 0.267 ug/l
RT: 5.296 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN077073.D
Acq: 20 Mar 2023 17:06

Instrument :
MSVOA_N
ClientSampleId :
TT101D2-20230314

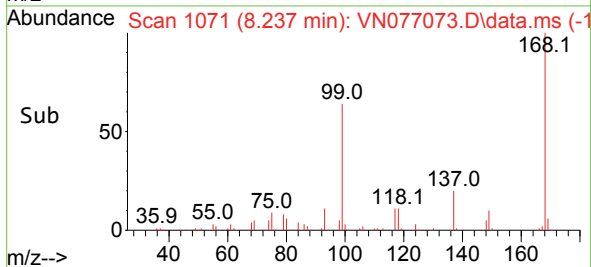
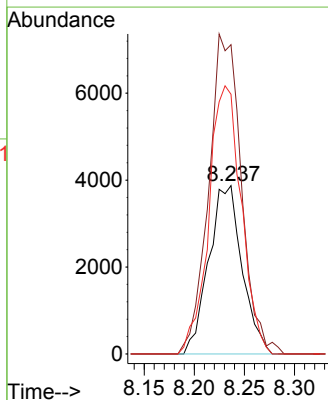
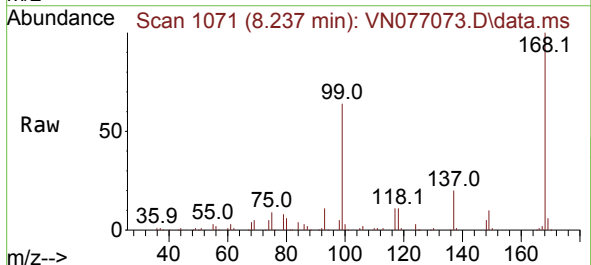


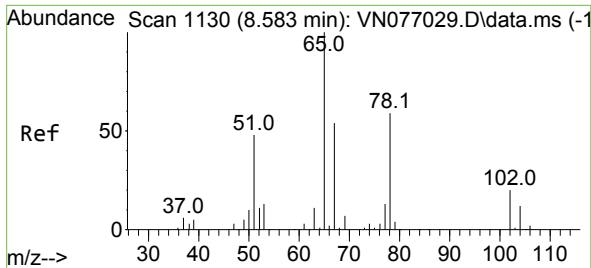
Tgt Ion:	84	Resp:	1520
Ion	Ratio	Lower	Upper
84	100		
49	77.2	103.8	155.6#
51	26.6	32.3	48.5#
86	24.0	49.9	74.9#



#31
Cyclohexane
Concen: 0.925 ug/l
RT: 8.237 min Scan# 1071
Delta R.T. -0.023 min
Lab File: VN077073.D
Acq: 20 Mar 2023 17:06

Tgt Ion:	56	Resp:	8923
Ion	Ratio	Lower	Upper
56	100		
69	183.7	22.8	34.2#
84	154.2	64.7	97.1#

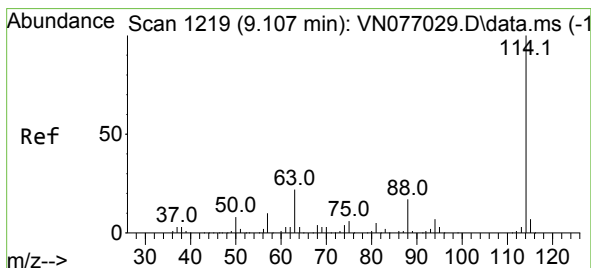
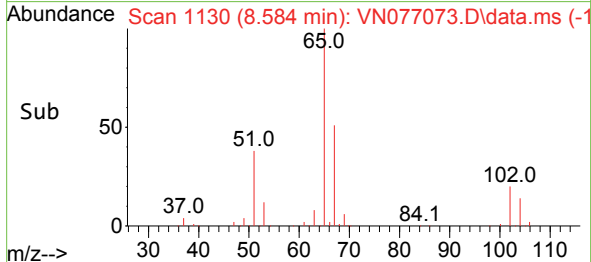
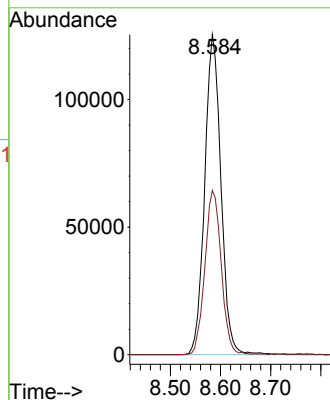
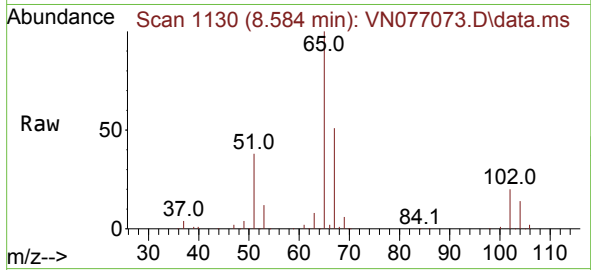




#33
 1,2-Dichloroethane-d4
 Concen: 47.905 ug/l
 RT: 8.584 min Scan# 1130
 Delta R.T. 0.001 min
 Lab File: VN077073.D
 Acq: 20 Mar 2023 17:06

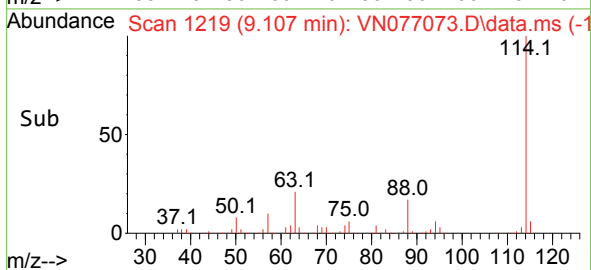
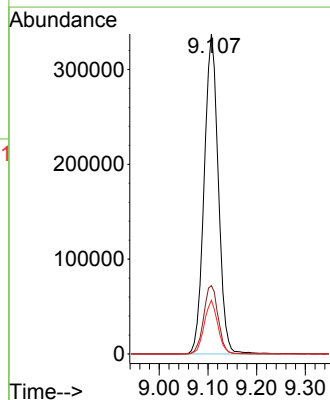
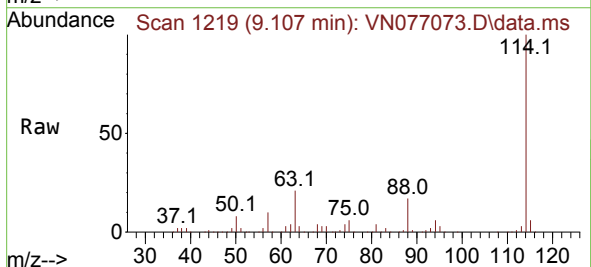
Instrument :
 MSVOA_N
 ClientSampleId :
 TT101D2-20230314

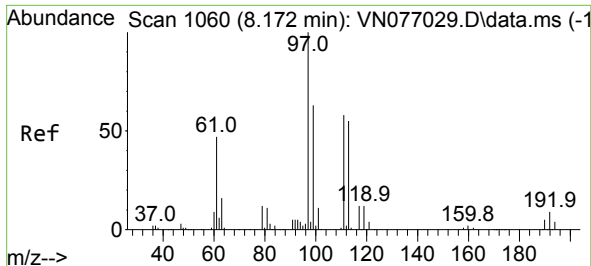
Tgt Ion: 65 Resp: 282340
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.107 min Scan# 1219
 Delta R.T. 0.000 min
 Lab File: VN077073.D
 Acq: 20 Mar 2023 17:06

Tgt Ion: 114 Resp: 677392
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 44.6
 88 16.7 0.0 33.8

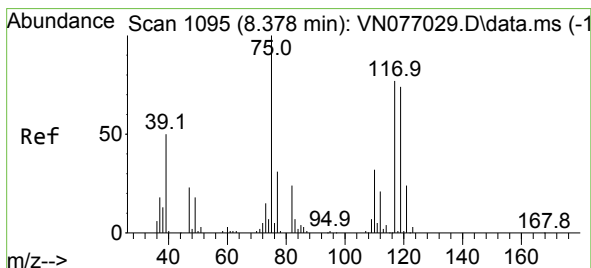
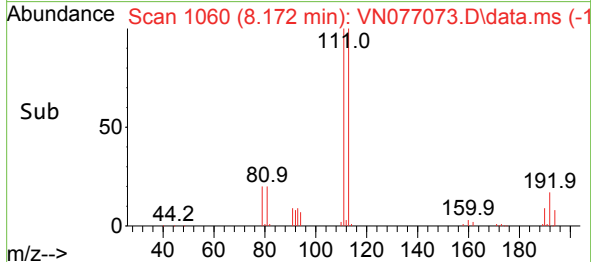
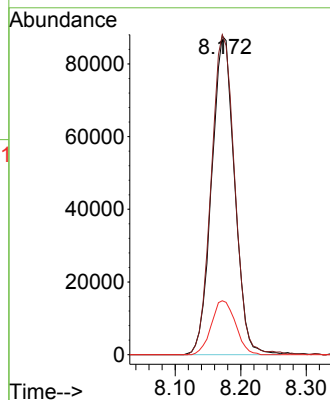
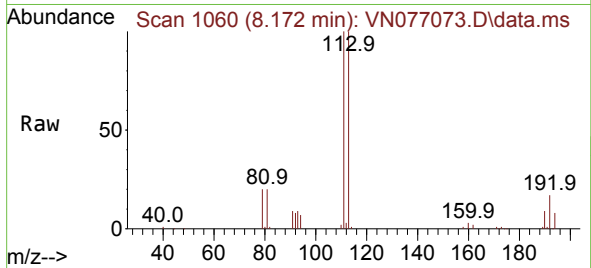




#35
Dibromofluoromethane
Concen: 44.838 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. 0.000 min
Lab File: VN077073.D
Acq: 20 Mar 2023 17:06

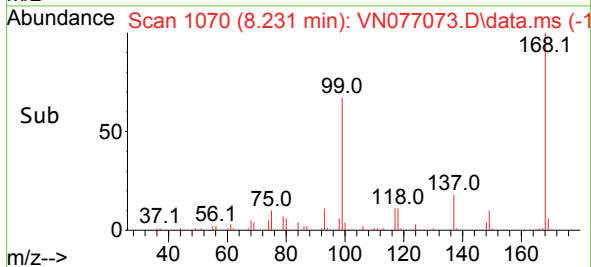
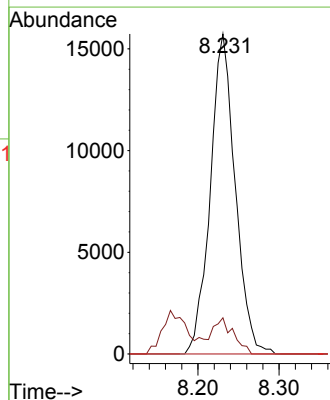
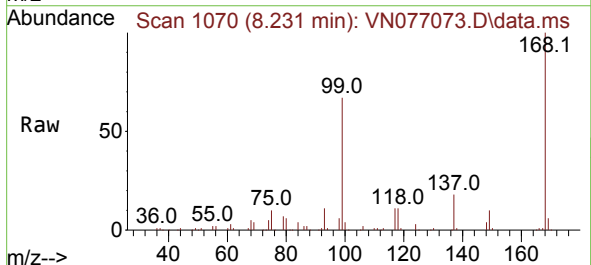
Instrument :
MSVOA_N
ClientSampleId :
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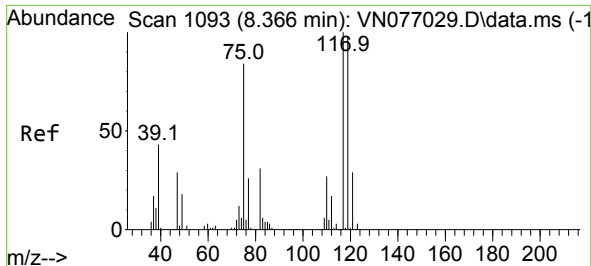
Tgt Ion:113 Resp: 212707
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.2
192 17.8 13.0 19.6



#36
1,1-Dichloropropene
Concen: 4.533 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.147 min
Lab File: VN077073.D
Acq: 20 Mar 2023 17:06

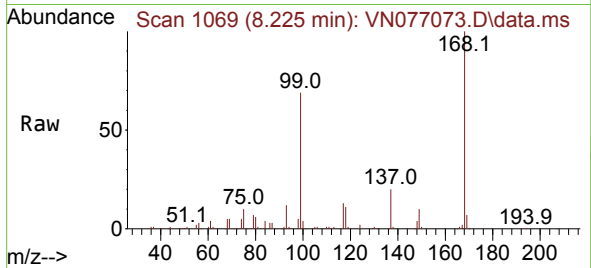
Tgt Ion: 75 Resp: 33587
Ion Ratio Lower Upper
75 100
110 8.8 15.9 47.7#
77 0.0 24.3 36.5#



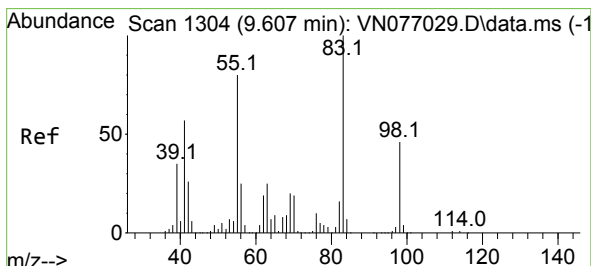
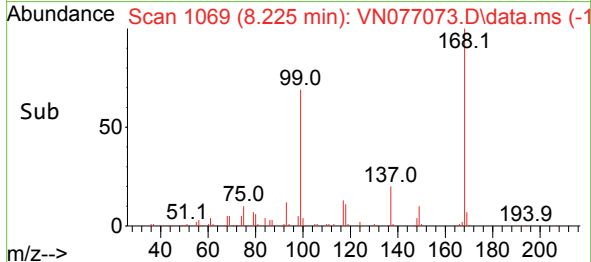
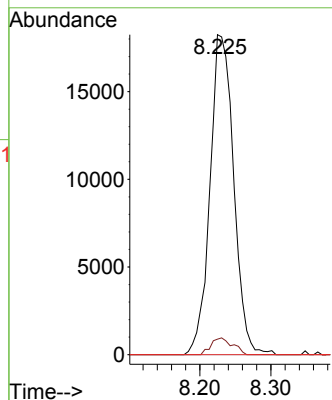


#38
Carbon Tetrachloride
Concen: 5.863 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.141 min
Lab File: VN077073.D
Acq: 20 Mar 2023 17:06

Instrument :
MSVOA_N
ClientSampleId :
TT101D2-20230314

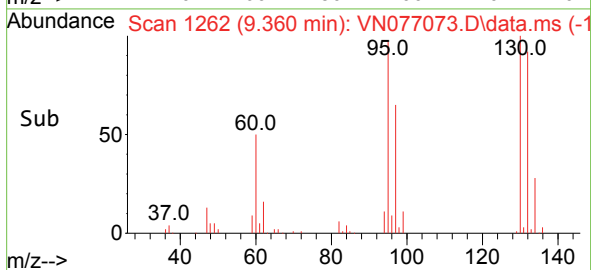
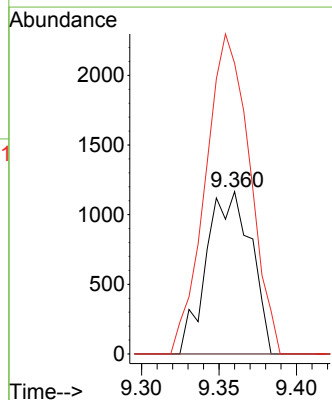
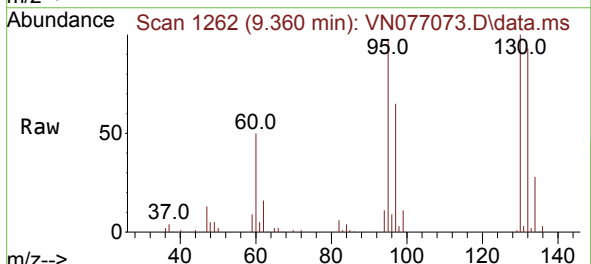


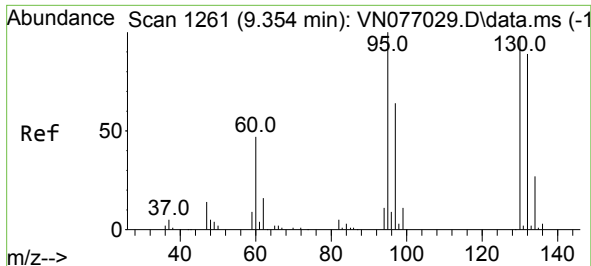
Tgt Ion:117 Resp: 42317
Ion Ratio Lower Upper
117 100
119 4.8 78.2 117.2#
121 0.0 23.2 34.8#



#39
Methylcyclohexane
Concen: 0.269 ug/l
RT: 9.360 min Scan# 1262
Delta R.T. -0.247 min
Lab File: VN077073.D
Acq: 20 Mar 2023 17:06

Tgt Ion: 83 Resp: 2337
Ion Ratio Lower Upper
83 100
55 0.0 63.8 95.8#
98 178.9 37.1 55.7#

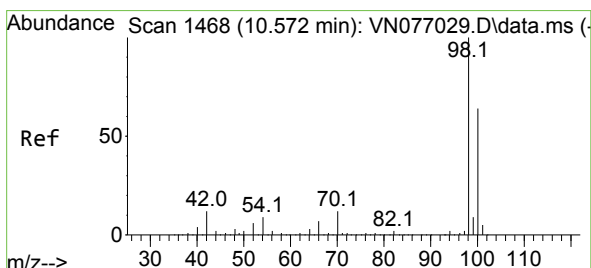
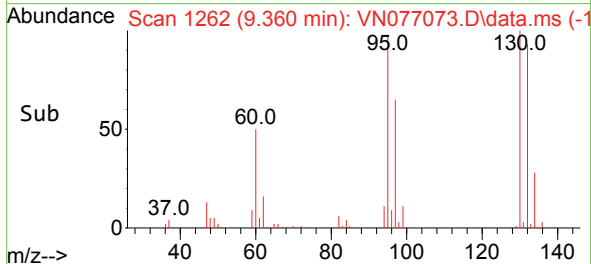
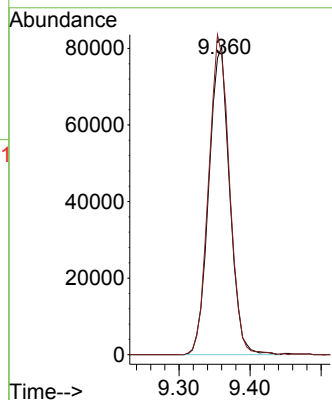
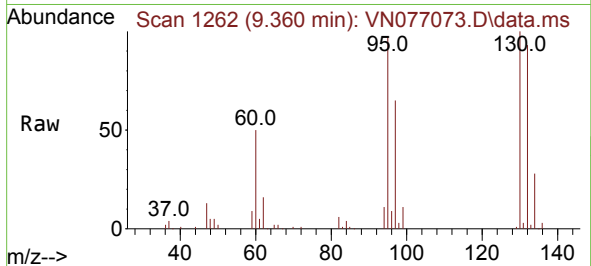




#44
Trichloroethene
Concen: 31.683 ug/l
RT: 9.360 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077073.D
Acq: 20 Mar 2023 17:06

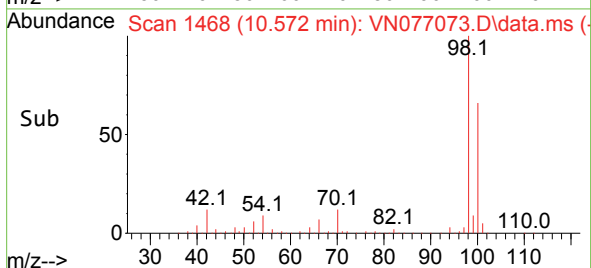
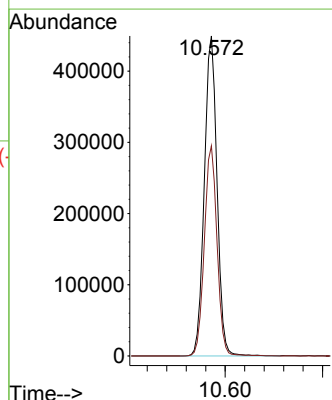
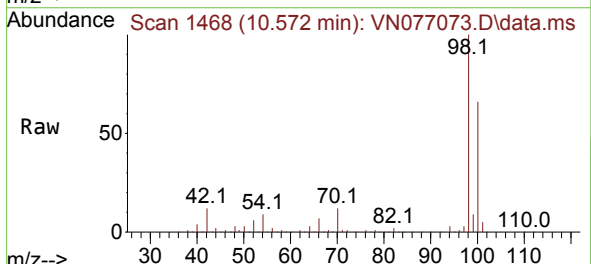
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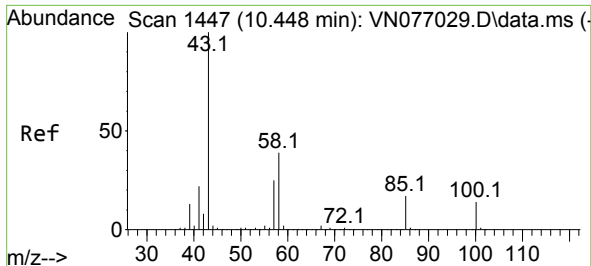
Tgt Ion:130 Resp: 163533
Ion Ratio Lower Upper
130 100
95 97.5 0.0 204.4



#50
Toluene-d8
Concen: 48.013 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VN077073.D
Acq: 20 Mar 2023 17:06

Tgt Ion: 98 Resp: 813607
Ion Ratio Lower Upper
98 100
100 65.7 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 0.402 ug/l

RT: 10.578 min Scan# 1447

Delta R.T. 0.130 min

Lab File: VN077073.D

Acq: 20 Mar 2023 17:06

Instrument :

MSVOA_N

ClientSampleId :

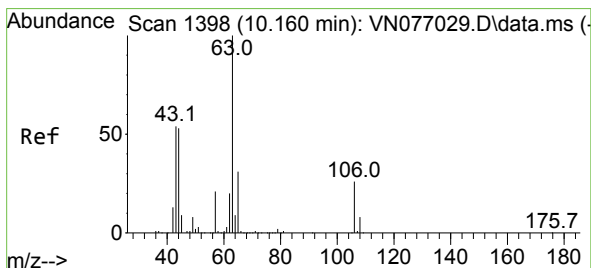
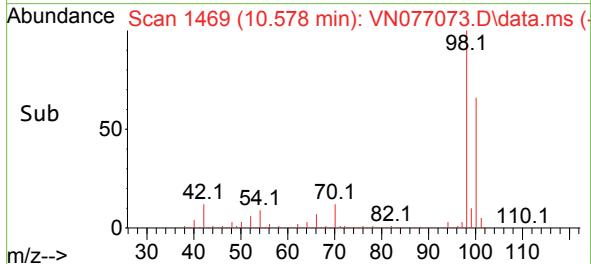
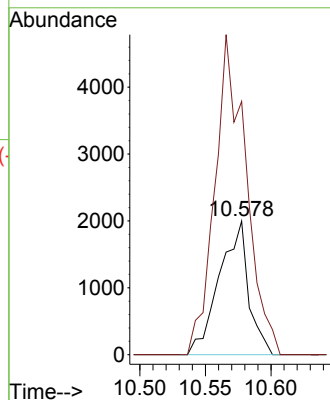
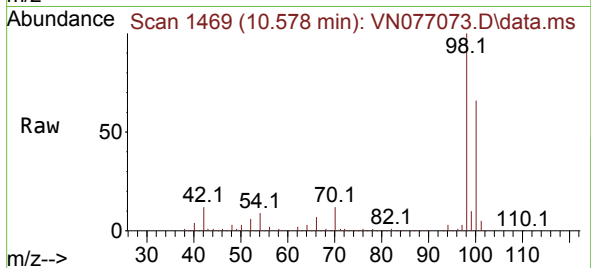
TT101D2-20230314

Tgt Ion: 43 Resp: 3098

Ion Ratio Lower Upper

43 100

58 255.4 31.1 46.7#



#58

2-Chloroethyl Vinyl ether

Concen: 0.616 ug/l

RT: 10.160 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VN077073.D

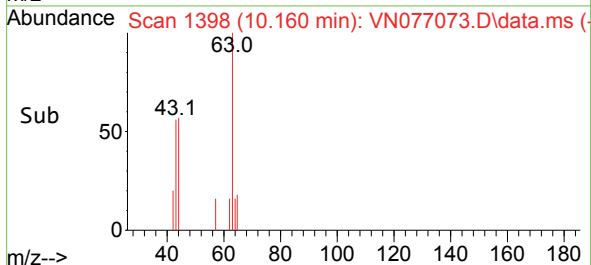
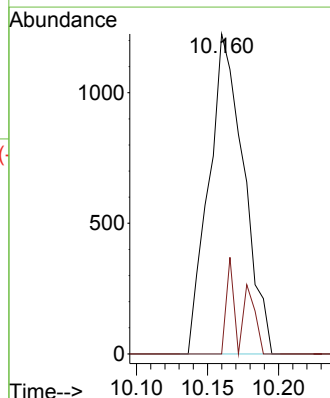
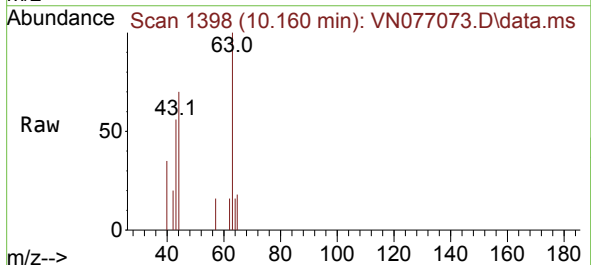
Acq: 20 Mar 2023 17:06

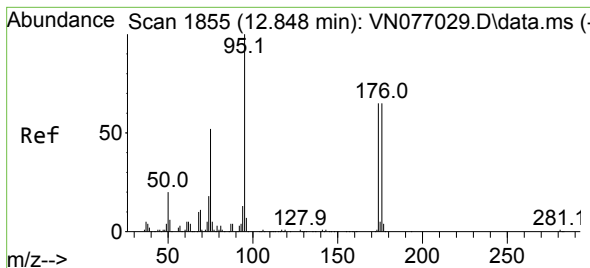
Tgt Ion: 63 Resp: 2090

Ion Ratio Lower Upper

63 100

106 6.3 20.6 31.0#

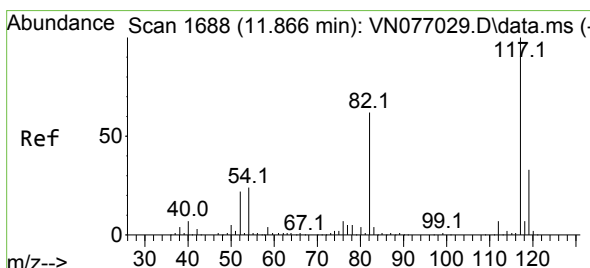
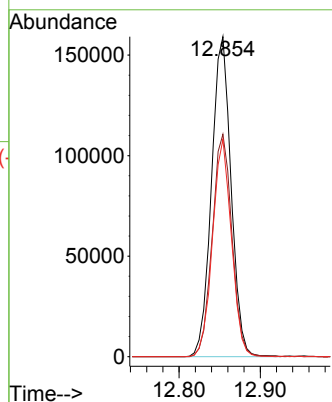
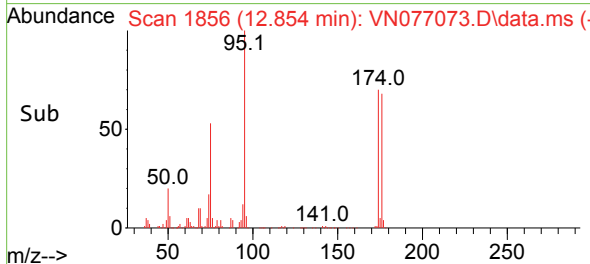
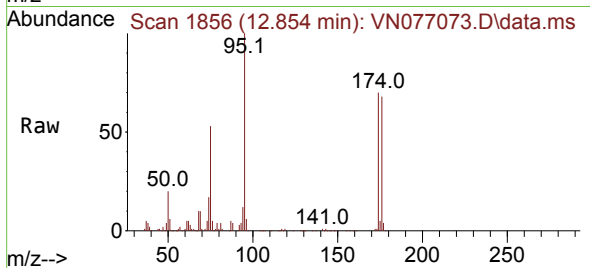




#62
4-Bromofluorobenzene
Concen: 44.412 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077073.D
Acq: 20 Mar 2023 17:06

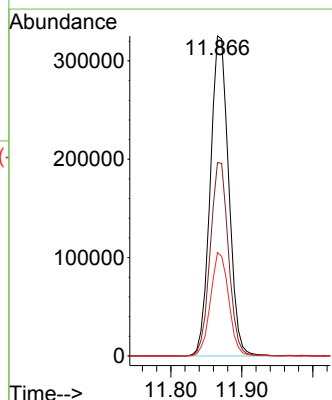
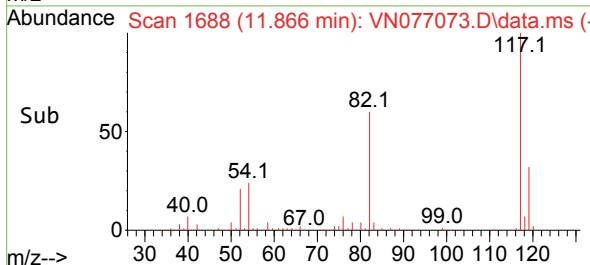
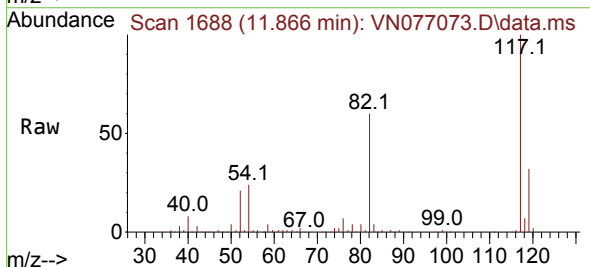
Instrument :
MSVOA_N
ClientSampleId :
TT101D2-20230314

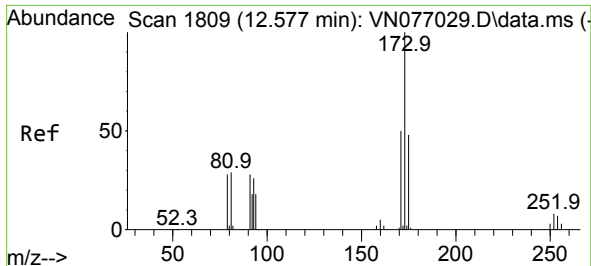
Tgt Ion: 95 Resp: 265942
Ion Ratio Lower Upper
95 100
174 70.2 0.0 136.6
176 65.7 0.0 130.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN077073.D
Acq: 20 Mar 2023 17:06

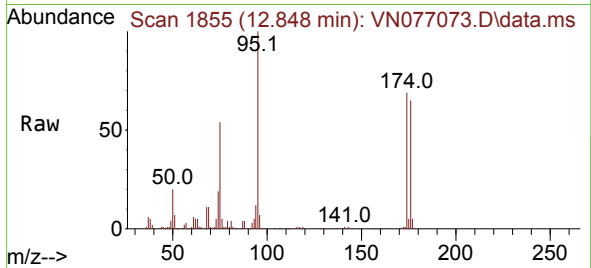
Tgt Ion: 117 Resp: 584988
Ion Ratio Lower Upper
117 100
82 60.4 49.4 74.0
119 32.3 26.5 39.7



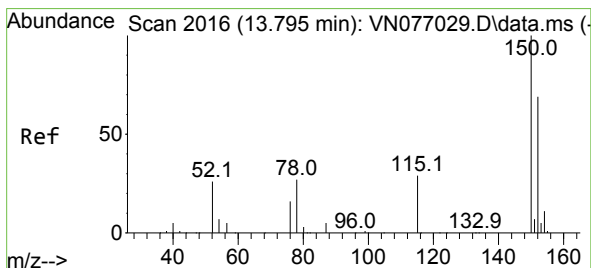
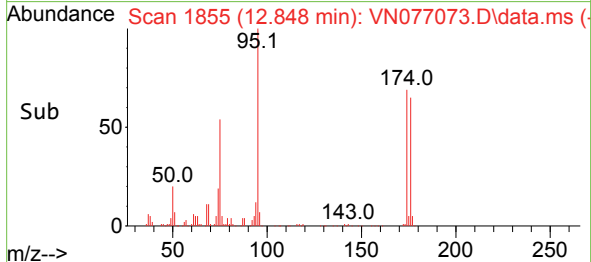
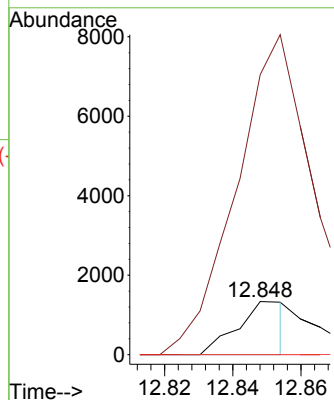


#71
Bromoform
Concen: 0.396 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.271 min
Lab File: VN077073.D
Acq: 20 Mar 2023 17:06

Instrument :
MSVOA_N
ClientSampleId :
TT101D2-20230314

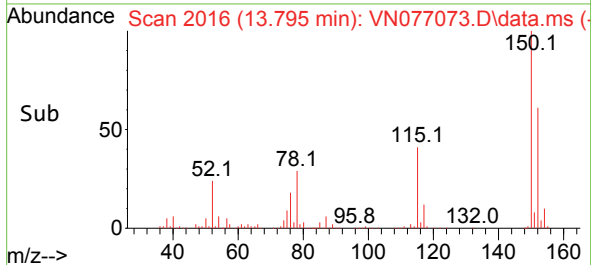
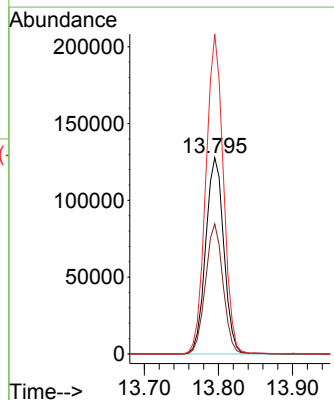
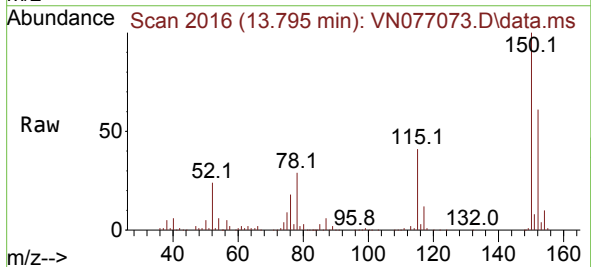


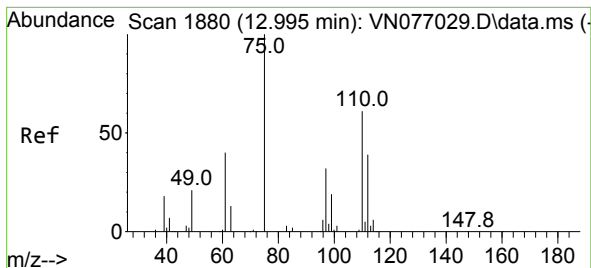
Tgt Ion:173 Resp: 1335
Ion Ratio Lower Upper
173 100
175 0.0 24.5 73.5#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN077073.D
Acq: 20 Mar 2023 17:06

Tgt Ion:152 Resp: 217273
Ion Ratio Lower Upper
152 100
115 64.4 31.9 95.7
150 157.6 0.0 348.0





#76

1,2,3-Trichloropropane

Concen: 24.806 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. -0.141 min

Lab File: VN077073.D

Acq: 20 Mar 2023 17:06

Instrument :

MSVOA_N

ClientSampleId :

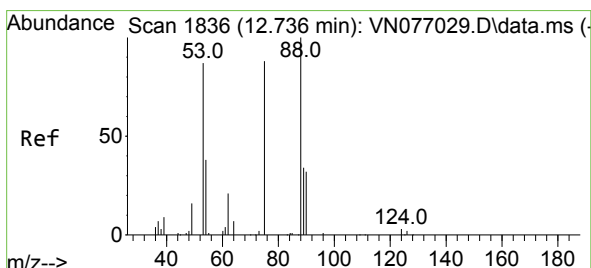
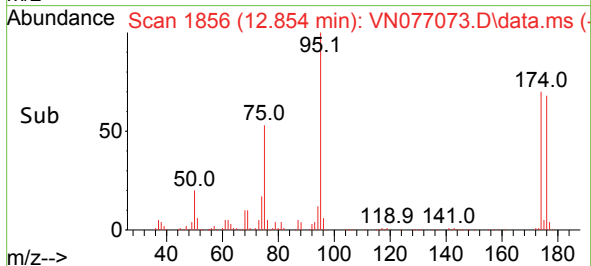
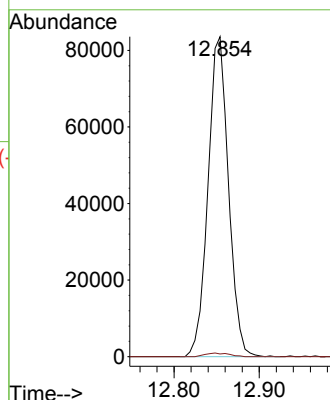
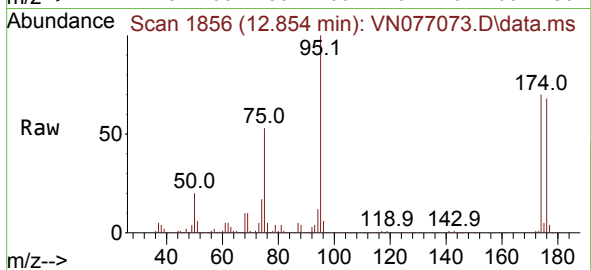
TT101D2-20230314

Tgt Ion: 75 Resp: 139409

Ion Ratio Lower Upper

75 100

77 1.4 107.3 322.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.279 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.118 min

Lab File: VN077073.D

Acq: 20 Mar 2023 17:06

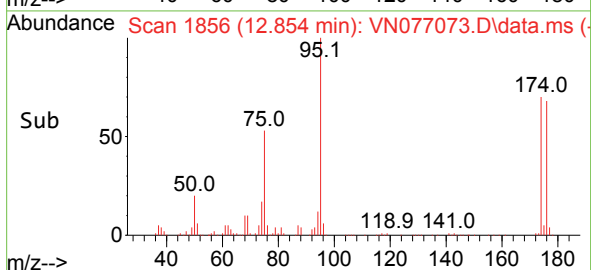
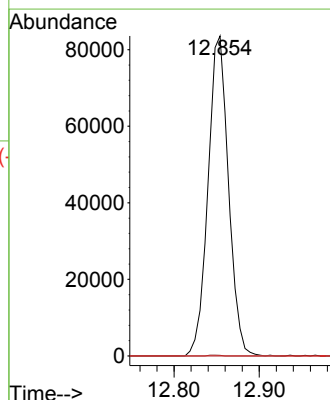
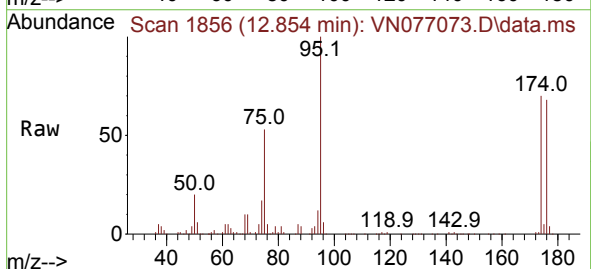
Tgt Ion: 75 Resp: 139409

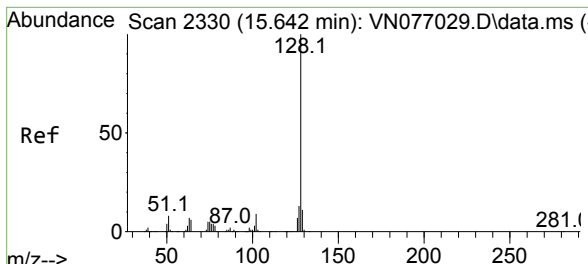
Ion Ratio Lower Upper

75 100

53 0.1 80.8 121.2#

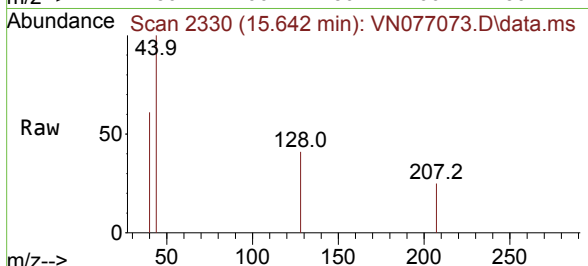
89 0.0 34.2 51.4#





#95
 Naphthalene
 Concen: 1.949 ug/l
 RT: 15.642 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN077073.D
 Acq: 20 Mar 2023 17:06

Instrument :
 MSVOA_N
 ClientSampleId :
 TT101D2-20230314



Tgt Ion:128 Resp: 563
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.0 15.0#
 129 0.0 8.6 13.0#

