

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022024\
 Data File : VN081103.D
 Acq On : 20 Feb 2024 17:04
 Operator : JC\MD
 Sample : P1524-08RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 20240768-AMENDED-COMP-39N-N-3-03RE

Quant Time: Feb 21 00:22:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

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

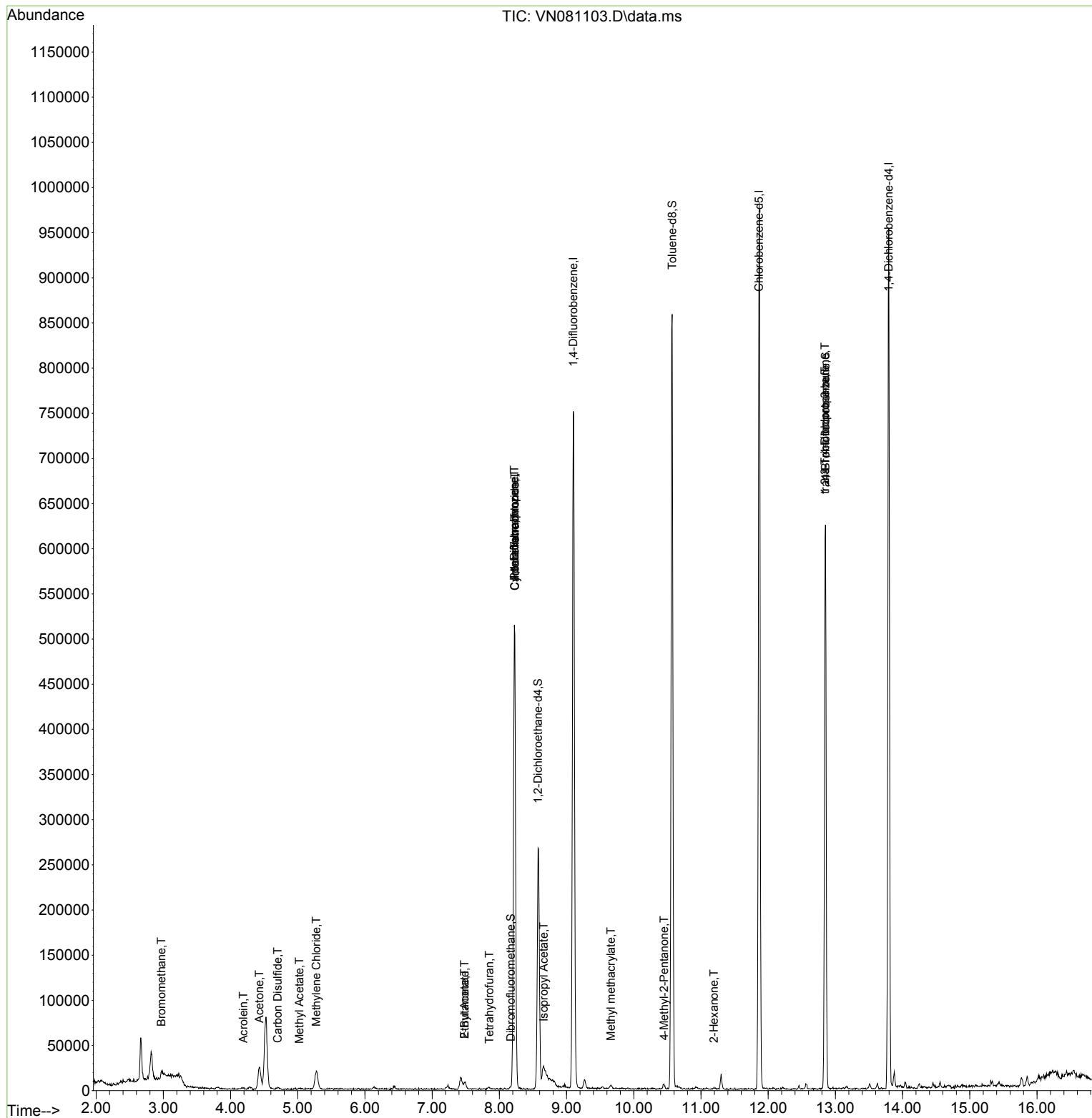
Internal Standards						
1) Pentafluorobenzene	8.224	168	361201	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	675069	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	568940	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	247185	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	212855	48.078	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.160%
35) Dibromofluoromethane	8.171	113	2445	0.641	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	1.280%#
50) Toluene-d8	10.570	98	595249	43.904	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	87.800%
62) 4-Bromofluorobenzene	12.853	95	223042	43.781	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.560%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1140	Below Cal	#	43
5) Bromomethane	2.971	94	1056	0.287	ug/l	88
6) Chloroethane	3.136	64	98	Below Cal	#	1
13) Acrolein	4.189	56	1354	3.103	ug/l	# 80
16) Acetone	4.430	43	48208	27.673	ug/l	95
17) Carbon Disulfide	4.700	76	3522	0.309	ug/l	# 78
18) Methyl Acetate	5.024	43	986	0.232	ug/l	# 54
20) Methylene Chloride	5.277	84	15718	2.607	ug/l	# 88
25) 2-Butanone	7.482	43	12083	4.293	ug/l	94
29) Tetrahydrofuran	7.853	42	1804	0.960	ug/l	# 66
31) Cyclohexane	8.229	56	9312	1.218	ug/l	# 1
36) 1,1-Dichloropropene	8.224	75	31883	4.875	ug/l	# 52
37) Ethyl Acetate	7.482	43	12083	2.047	ug/l	# 70
38) Carbon Tetrachloride	8.229	117	40961	6.191	ug/l	# 17
43) Isopropyl Acetate	8.659	43	38980	3.776	ug/l	# 58
48) Methyl methacrylate	9.659	41	1801	0.375	ug/l	# 47
49) 1,4-Dioxane	9.694	88	74	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.453	43	4792	0.807	ug/l	89
59) 2-Hexanone	11.194	43	2239	0.476	ug/l	# 42
76) 1,2,3-Trichloropropane	12.847	75	118271	21.059	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.847	75	118271	54.204	ug/l	# 14

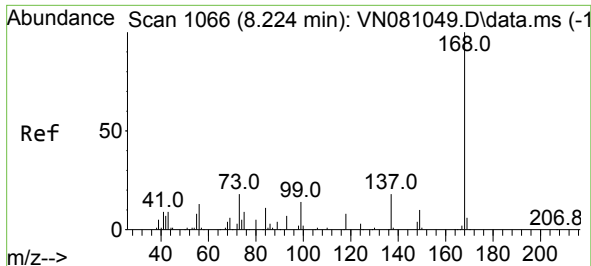
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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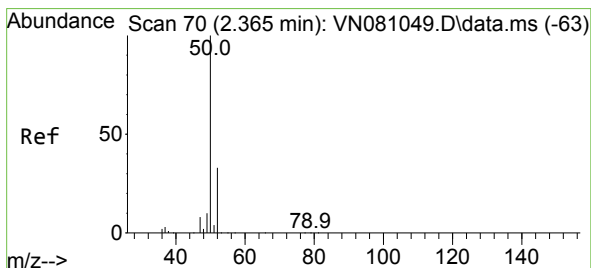
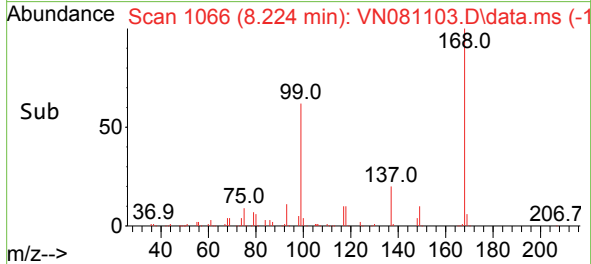
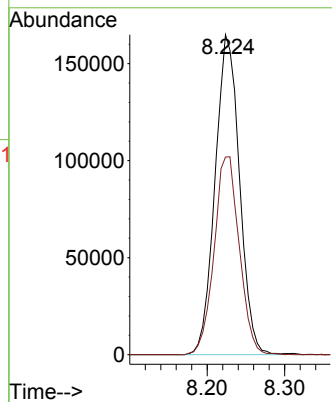
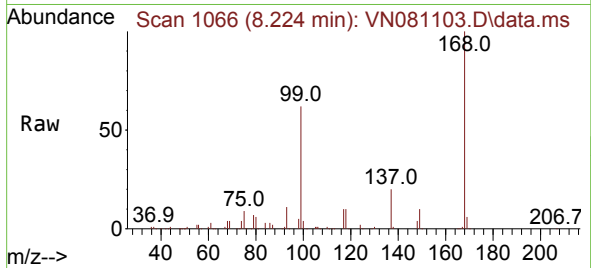




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN081103.D
Acq: 20 Feb 2024 17:04

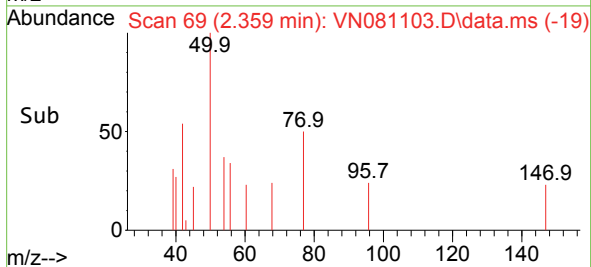
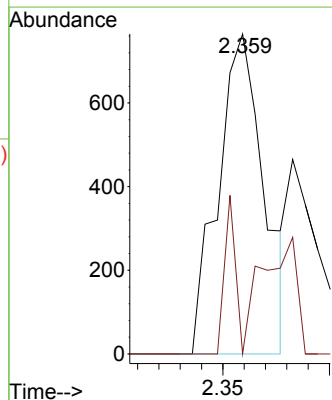
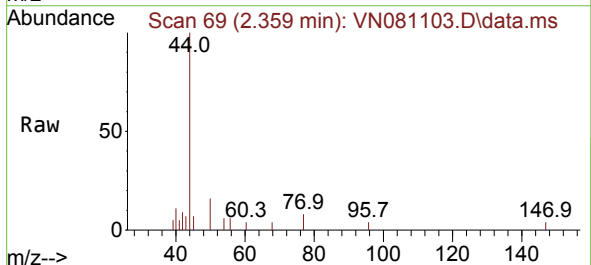
Instrument :
MSVOA_N
ClientSampleId :
20240768-AMENDED-COMP-39N-N-3-03RE

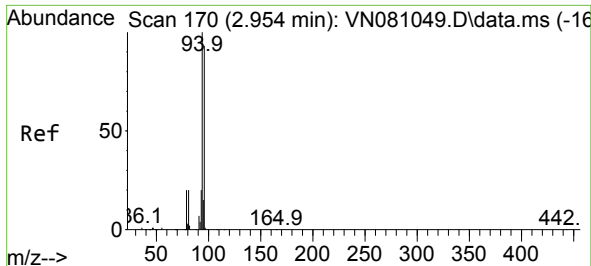
Tgt Ion:168 Resp: 361201
Ion Ratio Lower Upper
168 100
99 61.8 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. -0.006 min
Lab File: VN081103.D
Acq: 20 Feb 2024 17:04

Tgt Ion: 50 Resp: 1140
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

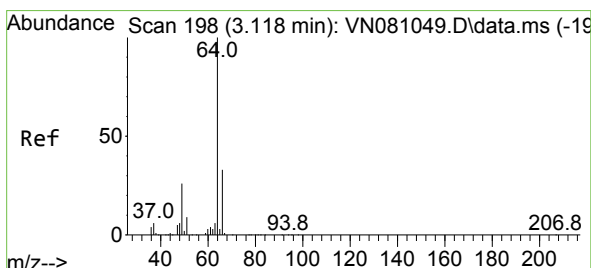
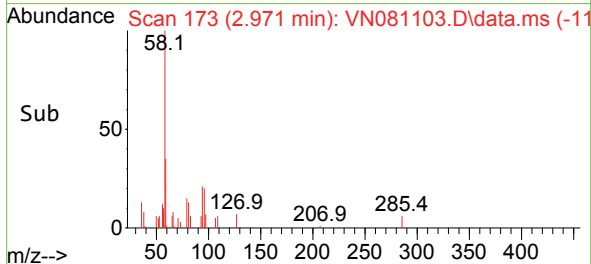
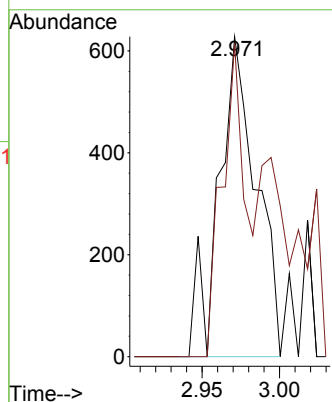
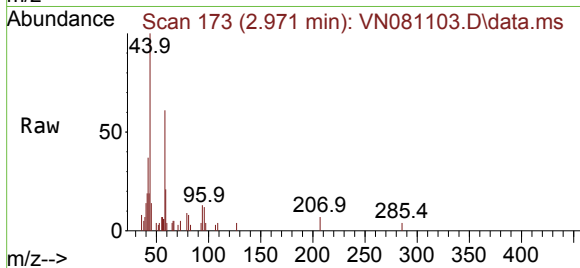




#5
Bromomethane
Concen: 0.287 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN081103.D
Acq: 20 Feb 2024 17:04

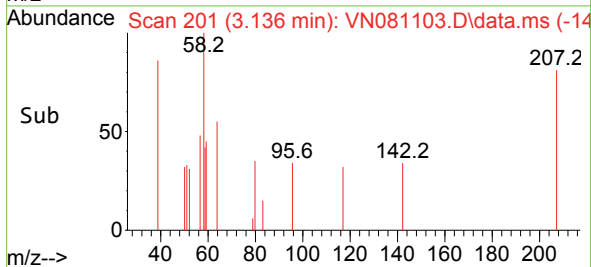
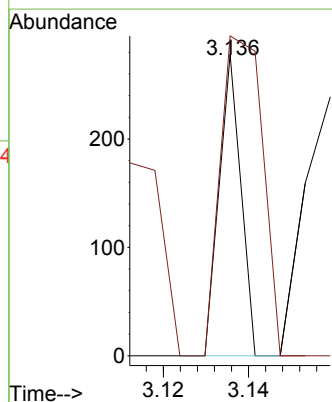
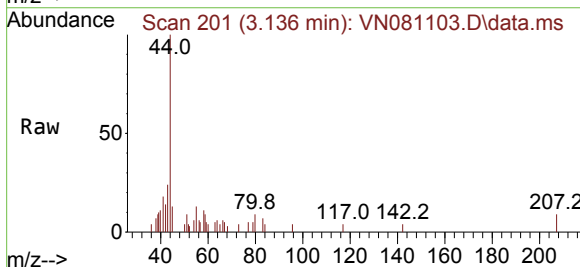
Instrument :
MSVOA_N
ClientSampleId :
20240768-AMENDED-COMP-39N-N-3-03RE

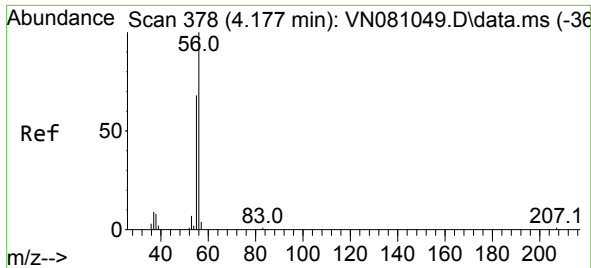
Tgt Ion: 94 Resp: 1056
Ion Ratio Lower Upper
94 100
96 97.9 69.2 103.8



#6
Chloroethane
Concen: Below Cal
RT: 3.136 min Scan# 201
Delta R.T. 0.018 min
Lab File: VN081103.D
Acq: 20 Feb 2024 17:04

Tgt Ion: 64 Resp: 98
Ion Ratio Lower Upper
64 100
66 106.1 26.4 39.6#

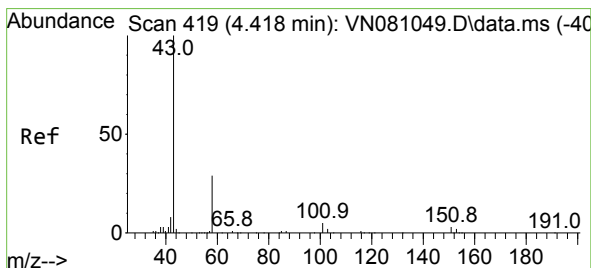
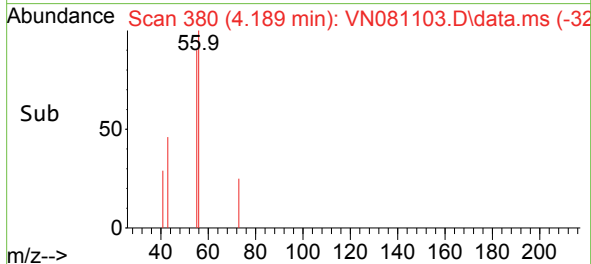
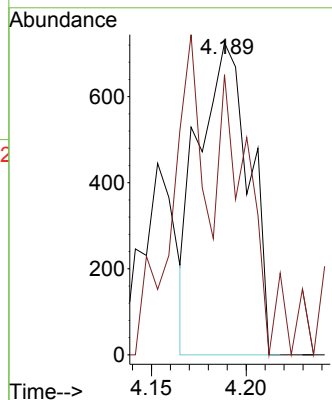
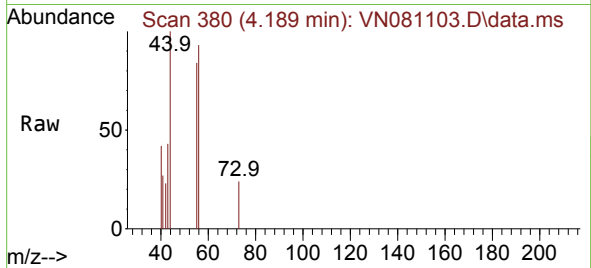




#13
Acrolein
Concen: 3.103 ug/l
RT: 4.189 min Scan# 378
Delta R.T. 0.012 min
Lab File: VN081103.D
Acq: 20 Feb 2024 17:04

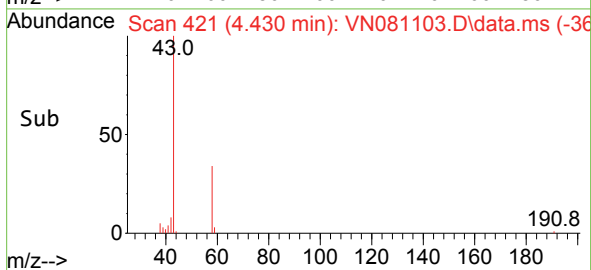
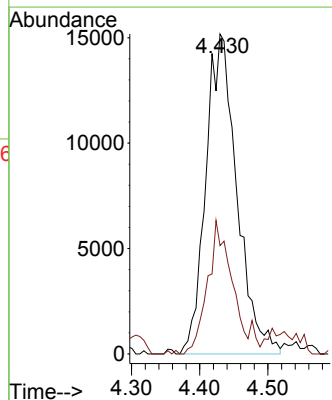
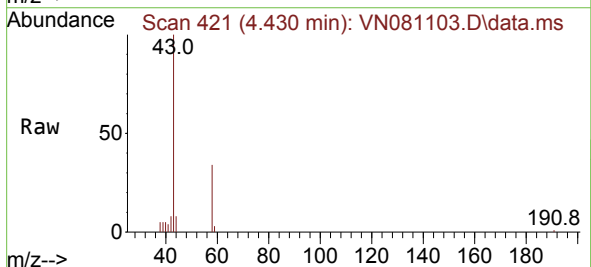
Instrument :
MSVOA_N
ClientSampleId :
20240768-AMENDED-COMP-39N-N-3-03RE

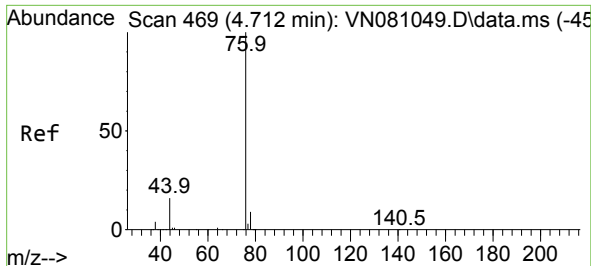
Tgt Ion: 56 Resp: 1354
Ion Ratio Lower Upper
56 100
55 53.0 55.3 82.9#



#16
Acetone
Concen: 27.673 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN081103.D
Acq: 20 Feb 2024 17:04

Tgt Ion: 43 Resp: 48208
Ion Ratio Lower Upper
43 100
58 33.9 24.8 37.2

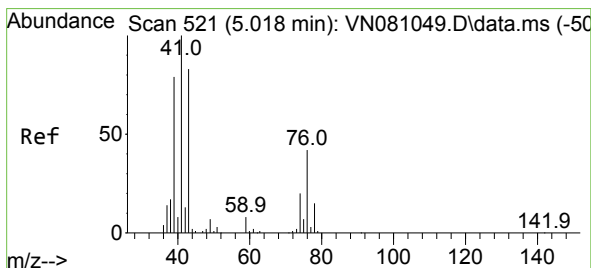
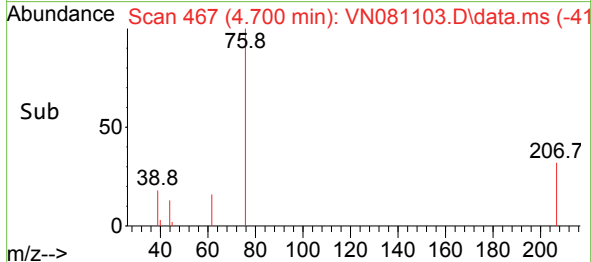
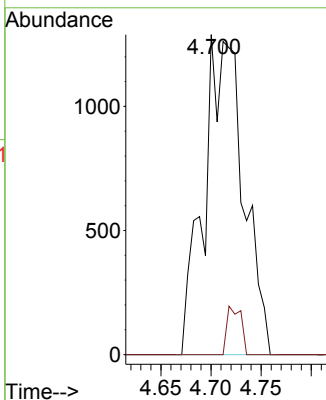
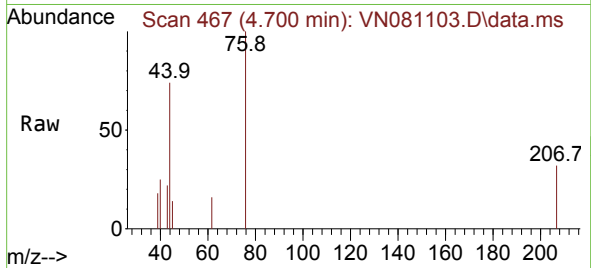




#17
Carbon Disulfide
Concen: 0.309 ug/l
RT: 4.700 min Scan# 41
Delta R.T. -0.012 min
Lab File: VN081103.D
Acq: 20 Feb 2024 17:04

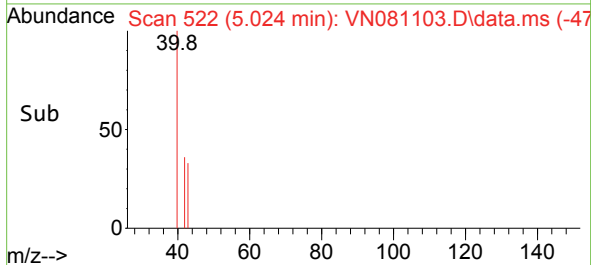
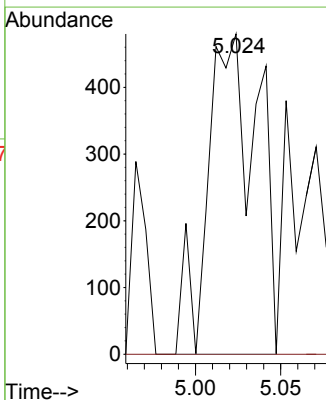
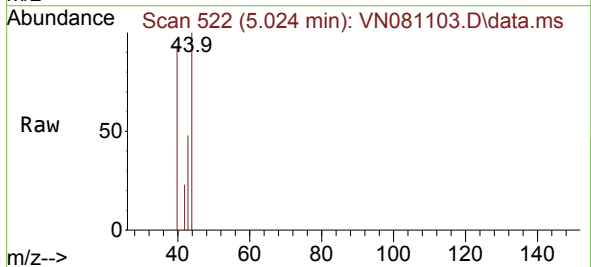
Instrument :
MSVOA_N
ClientSampleId :
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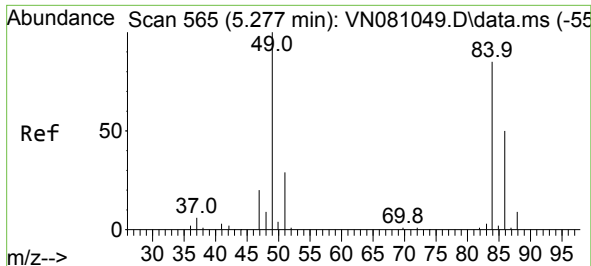
Tgt Ion: 76 Resp: 3522
Ion Ratio Lower Upper
76 100
78 0.0 6.3 9.5#



#18
Methyl Acetate
Concen: 0.232 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN081103.D
Acq: 20 Feb 2024 17:04

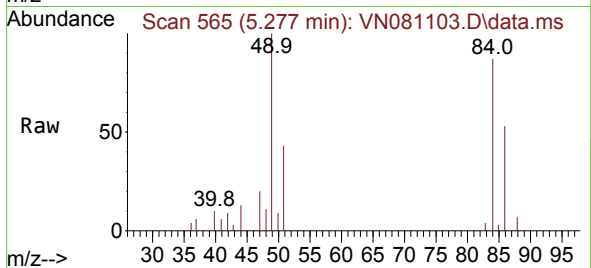
Tgt Ion: 43 Resp: 986
Ion Ratio Lower Upper
43 100
74 0.0 17.3 25.9#





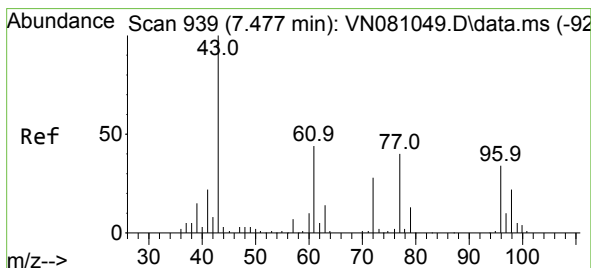
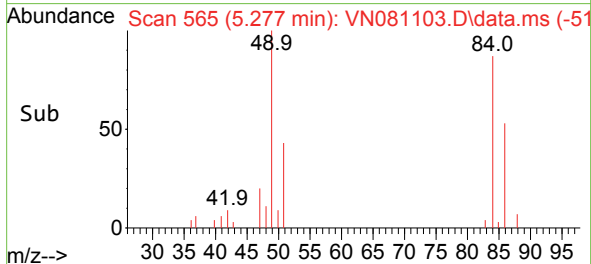
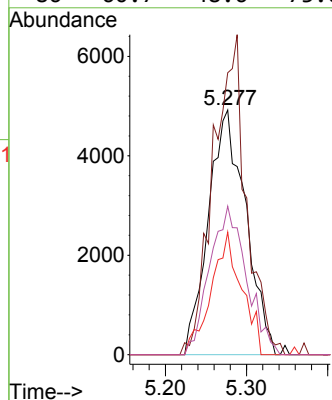
#20
Methylene Chloride
Concen: 2.607 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN081103.D
Acq: 20 Feb 2024 17:04

Instrument :
MSVOA_N
ClientSampleId :
20240768-AMENDED-COMP-39N-N-3-03RE



Tgt Ion: 84 Resp: 15718

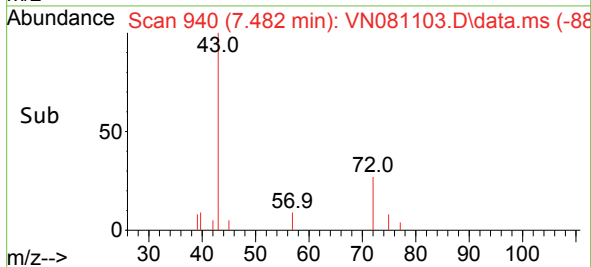
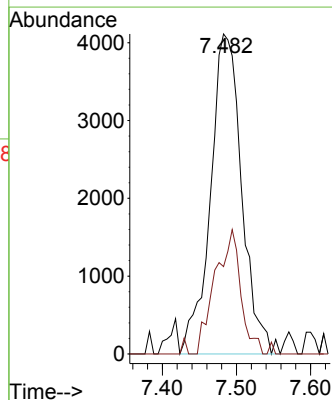
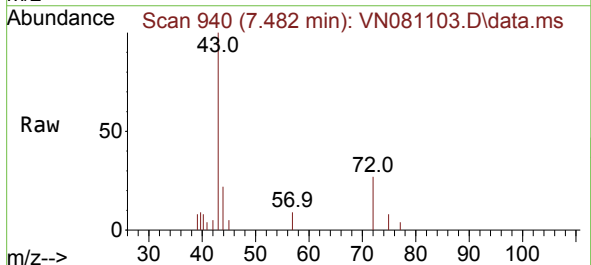
Ion	Ratio	Lower	Upper
84	100		
49	115.2	108.1	162.1
51	50.1	32.9	49.3#
86	60.7	48.6	73.0

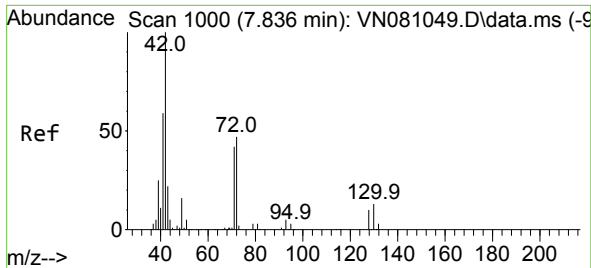


#25
2-Butanone
Concen: 4.293 ug/l
RT: 7.482 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN081103.D
Acq: 20 Feb 2024 17:04

Tgt Ion: 43 Resp: 12083

Ion	Ratio	Lower	Upper
43	100		
72	27.3	19.5	29.3

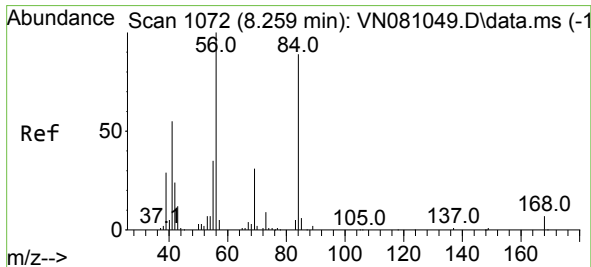
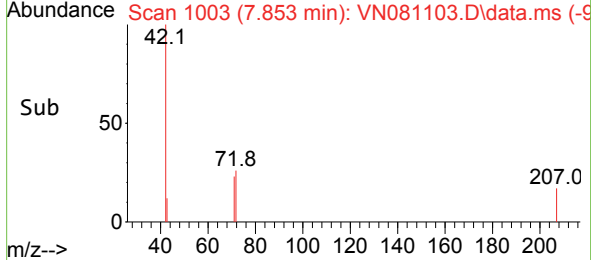
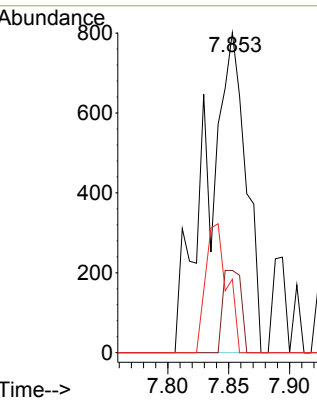
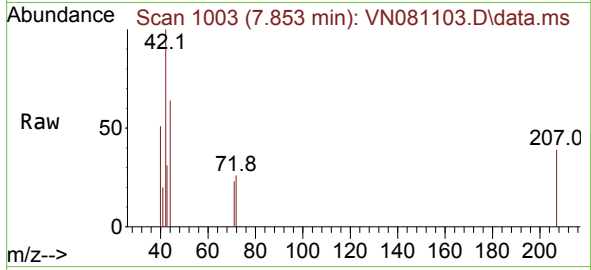




#29
Tetrahydrofuran
Concen: 0.960 ug/l
RT: 7.853 min Scan# 1067
Delta R.T. 0.017 min
Lab File: VN081103.D
Acq: 20 Feb 2024 17:04

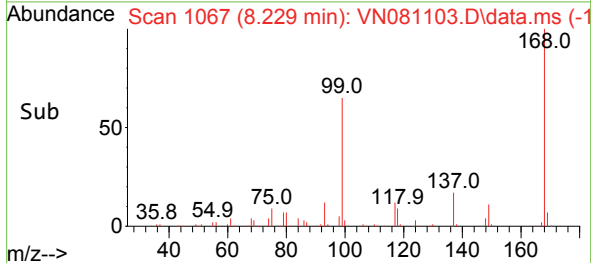
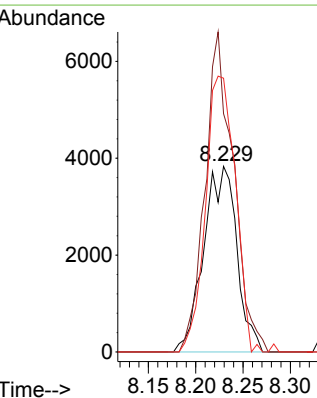
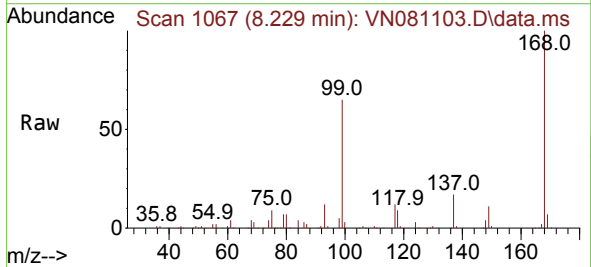
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20240768-AMENDED-COMP-39N-N-3-03RE

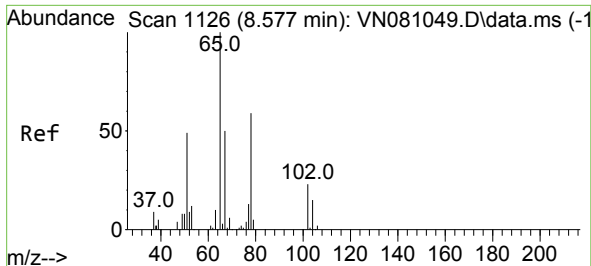
Tgt Ion: 42 Resp: 1804
Ion Ratio Lower Upper
42 100
72 11.9 31.1 46.7#
71 22.1 28.3 42.5#



#31
Cyclohexane
Concen: 1.218 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.030 min
Lab File: VN081103.D
Acq: 20 Feb 2024 17:04

Tgt Ion: 56 Resp: 9312
Ion Ratio Lower Upper
56 100
69 128.3 20.1 30.1#
84 147.4 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 48.078 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN081103.D

Acq: 20 Feb 2024 17:04

Instrument :

MSVOA_N

ClientSampleId :

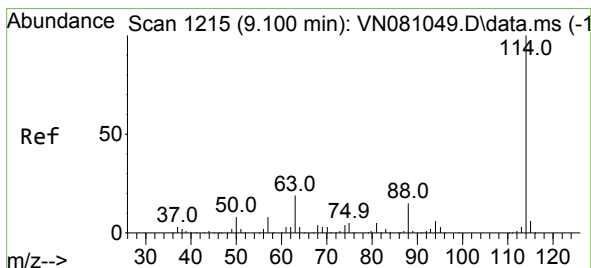
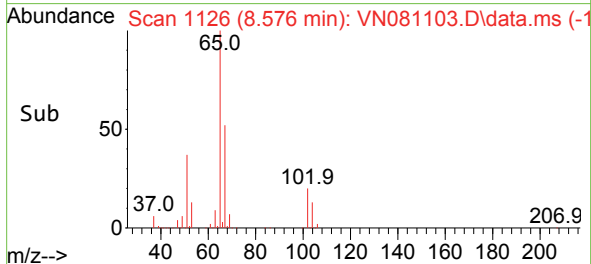
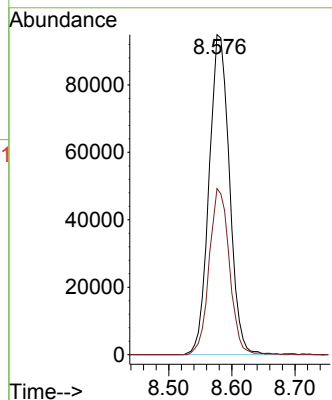
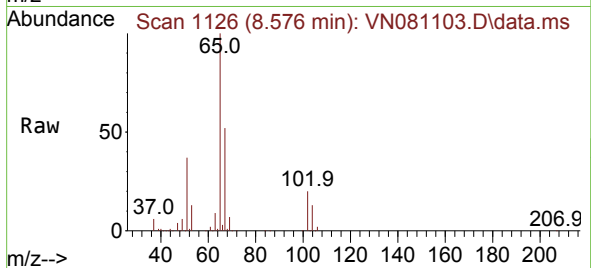
20240768-AMENDED-COMP-39N-N-3-03RE

Tgt Ion: 65 Resp: 212855

Ion Ratio Lower Upper

65 100

67 51.5 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN081103.D

Acq: 20 Feb 2024 17:04

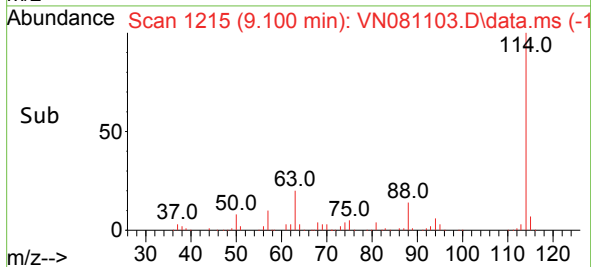
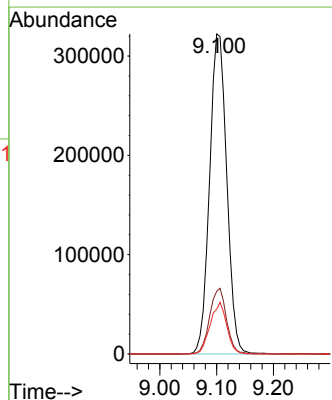
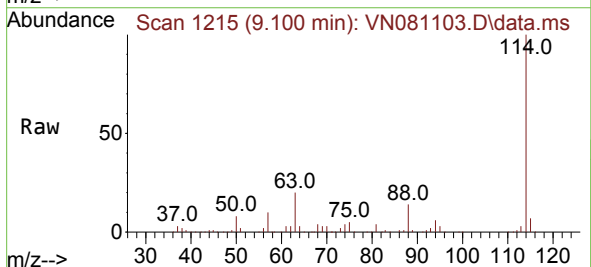
Tgt Ion: 114 Resp: 675069

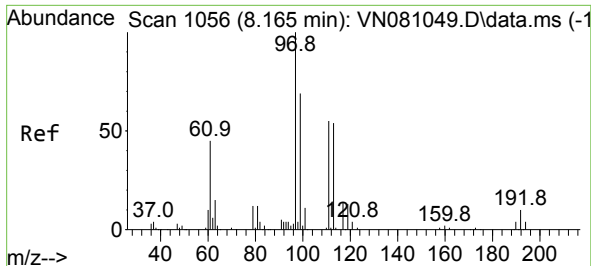
Ion Ratio Lower Upper

114 100

63 19.6 0.0 48.0

88 13.9 0.0 34.8

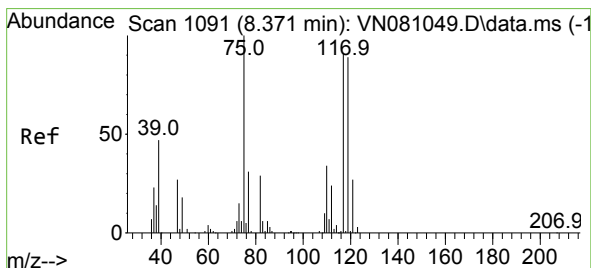
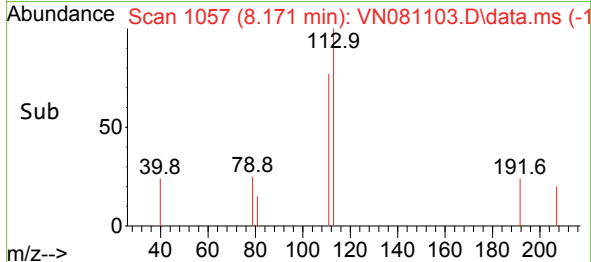
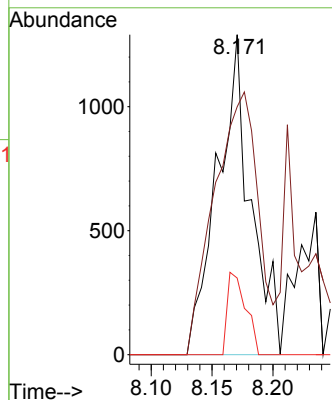
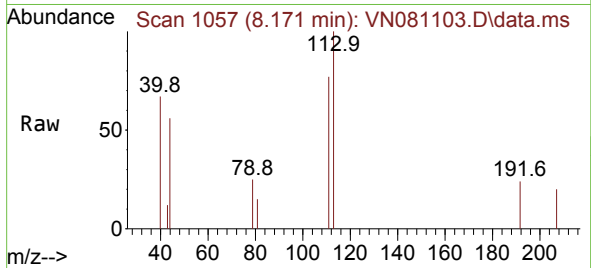




#35
Dibromofluoromethane
Concen: 0.641 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN081103.D
Acq: 20 Feb 2024 17:04

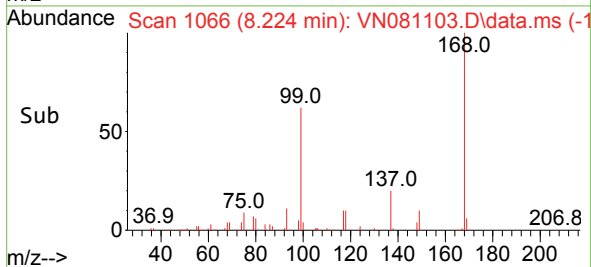
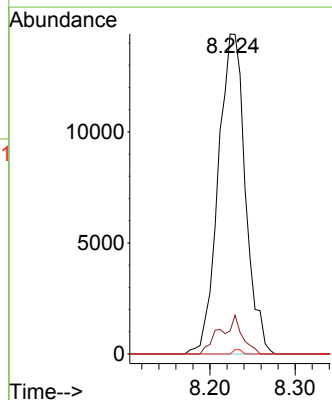
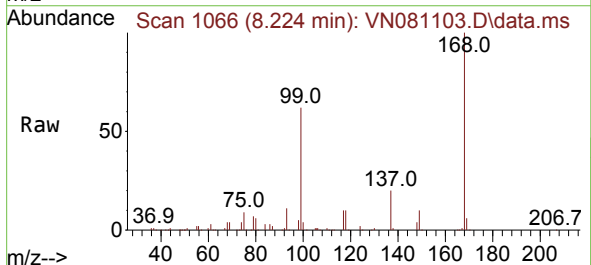
Instrument :
MSVOA_N
ClientSampleId :
20240768-AMENDED-COMP-39N-N-3-03RE

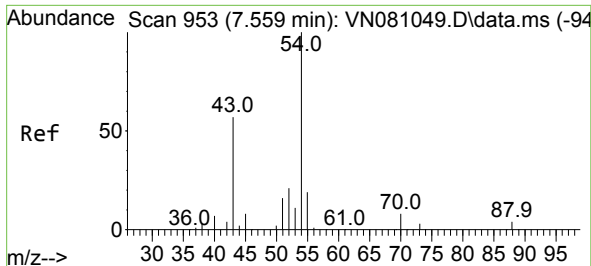
Tgt Ion:113 Resp: 2445
Ion Ratio Lower Upper
113 100
111 108.8 82.2 123.4
192 14.2 12.5 18.7



#36
1,1-Dichloropropene
Concen: 4.875 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081103.D
Acq: 20 Feb 2024 17:04

Tgt Ion: 75 Resp: 31883
Ion Ratio Lower Upper
75 100
110 9.7 16.0 48.0#
77 0.4 25.8 38.6#

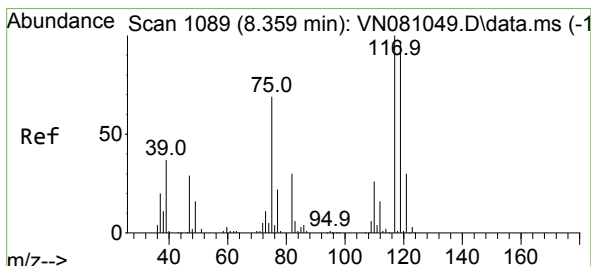
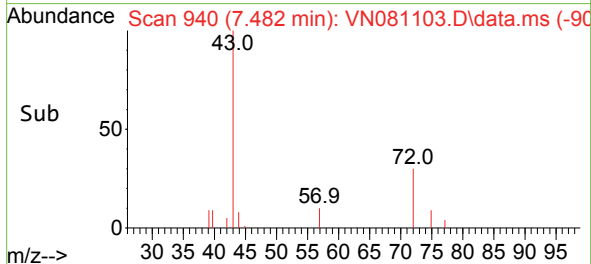
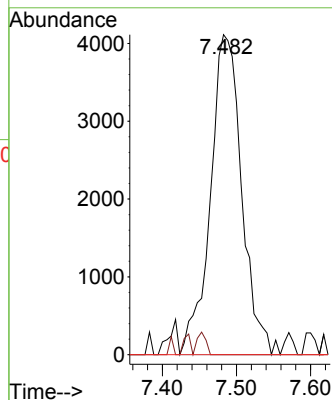
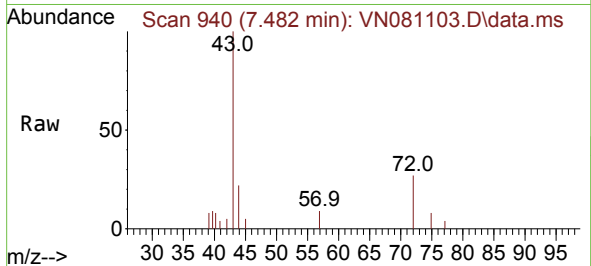




#37
Ethyl Acetate
Concen: 2.047 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.077 min
Lab File: VN081103.D
Acq: 20 Feb 2024 17:04

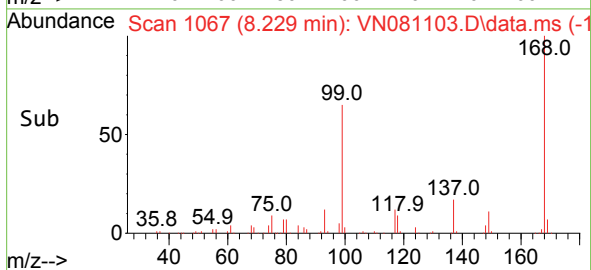
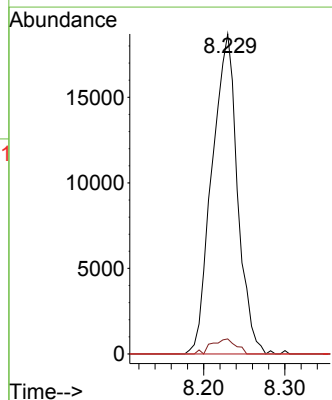
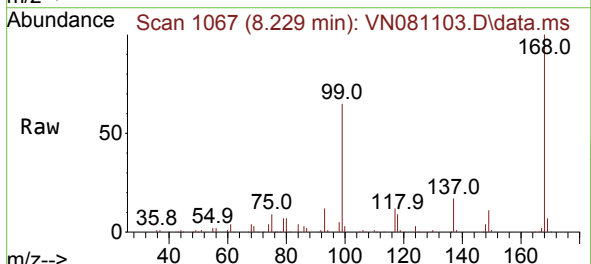
Instrument :
MSVOA_N
ClientSampleId :
20240768-AMENDED-COMP-39N-N-3-03RE

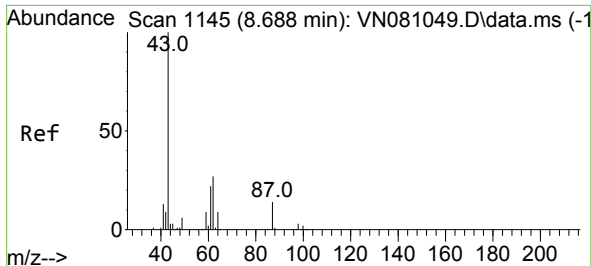
Tgt Ion: 43 Resp: 12083
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 8.0 12.0#



#38
Carbon Tetrachloride
Concen: 6.191 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.130 min
Lab File: VN081103.D
Acq: 20 Feb 2024 17:04

Tgt Ion: 117 Resp: 40961
Ion Ratio Lower Upper
117 100
119 4.7 73.4 110.2#
121 0.0 24.4 36.6#

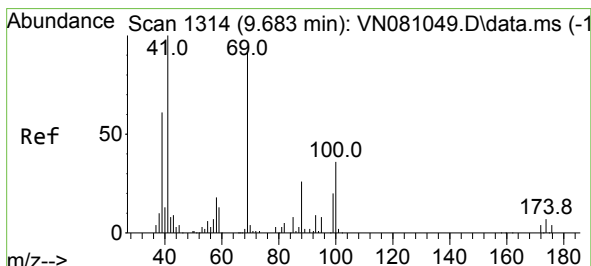
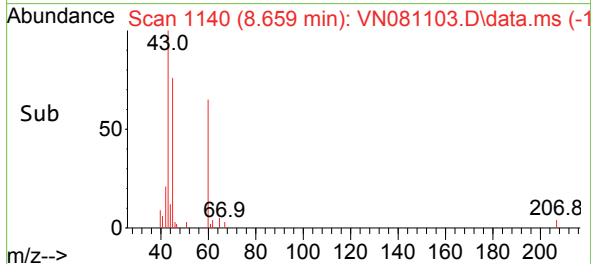
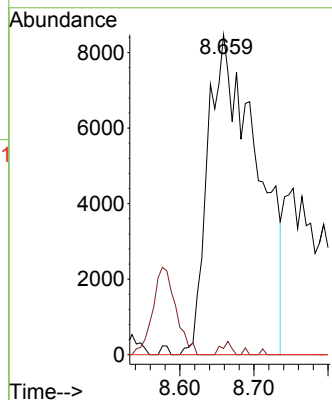
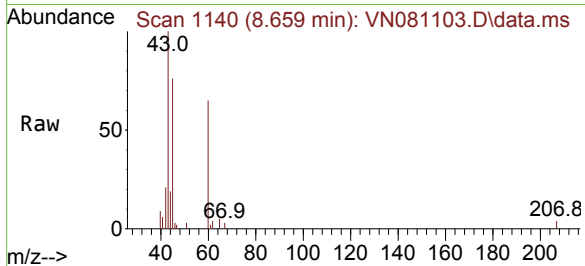




#43
Isopropyl Acetate
Concen: 3.776 ug/l
RT: 8.659 min Scan# 1140
Delta R.T. -0.030 min
Lab File: VN081103.D
Acq: 20 Feb 2024 17:04

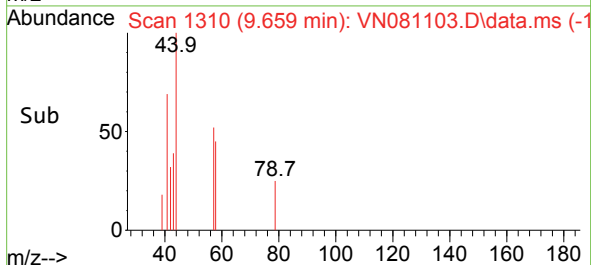
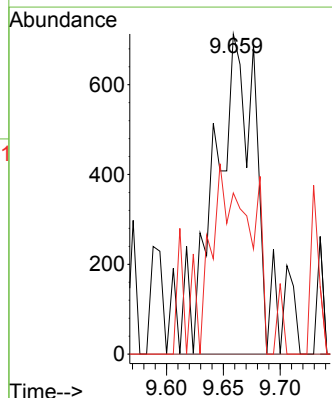
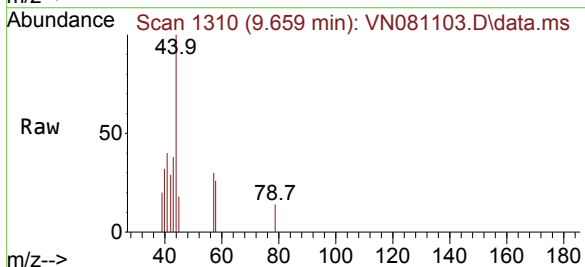
Instrument : MSVOA_N
ClientSampleId : 20240768-AMENDED-COMP-39N-N-3-03RE

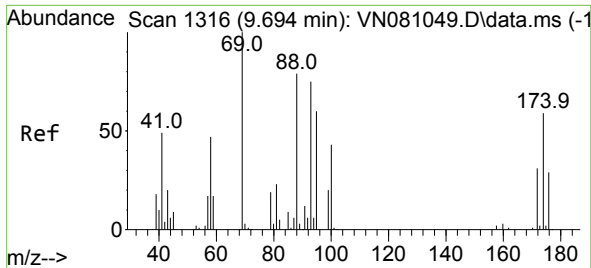
Tgt Ion: 43	Resp: 38980
Ion Ratio	Lower Upper
43 100	
61 0.8	19.9 29.9#
87 0.0	9.0 13.6#



#48
Methyl methacrylate
Concen: 0.375 ug/l
RT: 9.659 min Scan# 1310
Delta R.T. -0.024 min
Lab File: VN081103.D
Acq: 20 Feb 2024 17:04

Tgt Ion: 41	Resp: 1801
Ion Ratio	Lower Upper
41 100	
69 0.0	62.2 93.2#
39 55.1	47.6 71.4

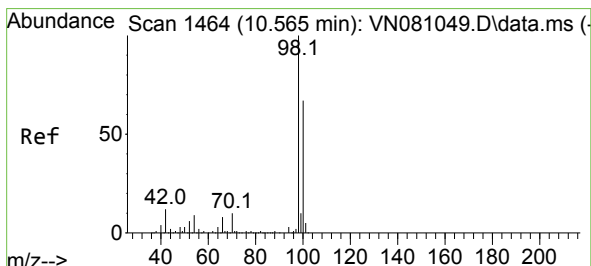
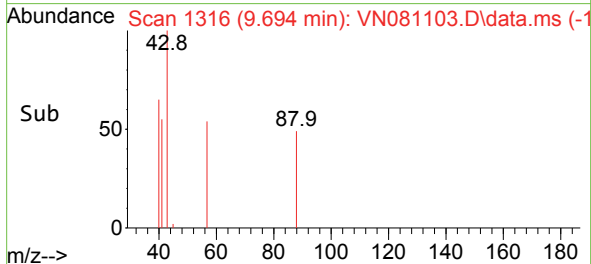
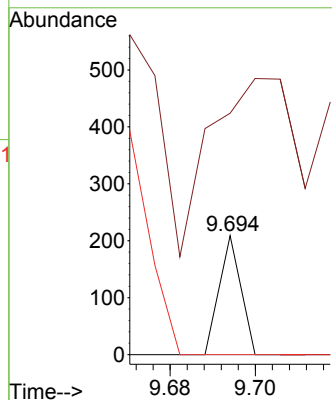
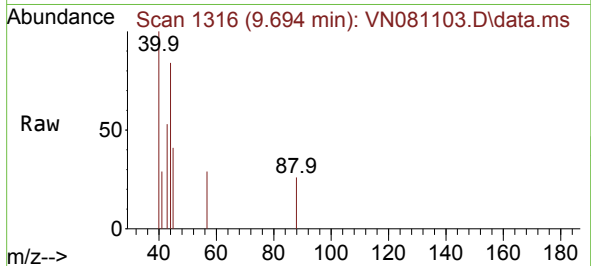




#49
1,4-Dioxane
Concen: Below Cal
RT: 9.694 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN081103.D
Acq: 20 Feb 2024 17:04

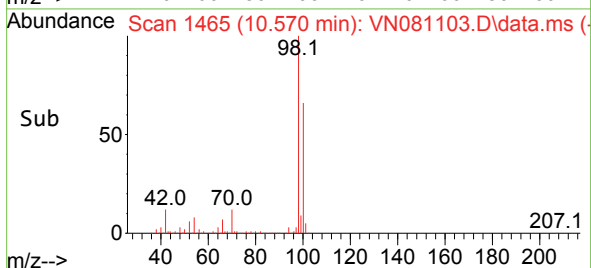
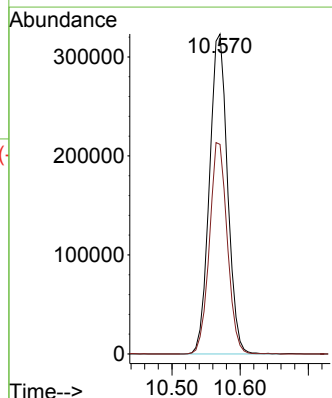
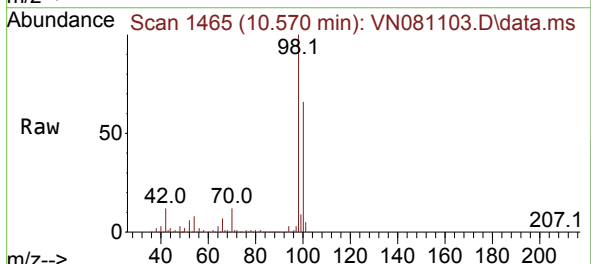
Instrument :
MSVOA_N
ClientSampleId :
20240768-AMENDED-COMP-39N-N-3-03RE

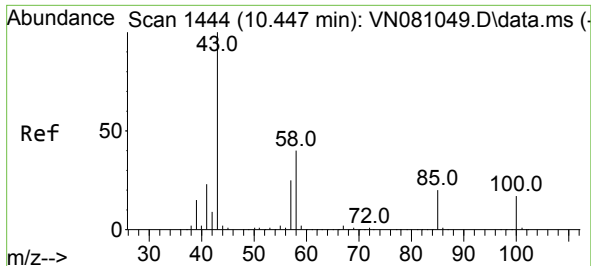
Tgt Ion: 88 Resp: 74
Ion Ratio Lower Upper
88 100
43 764.9 30.1 45.1#
58 0.0 63.9 95.9#



#50
Toluene-d8
Concen: 43.904 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081103.D
Acq: 20 Feb 2024 17:04

Tgt Ion: 98 Resp: 595249
Ion Ratio Lower Upper
98 100
100 65.3 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 0.807 ug/l

RT: 10.453 min Scan# 1444

Delta R.T. 0.006 min

Lab File: VN081103.D

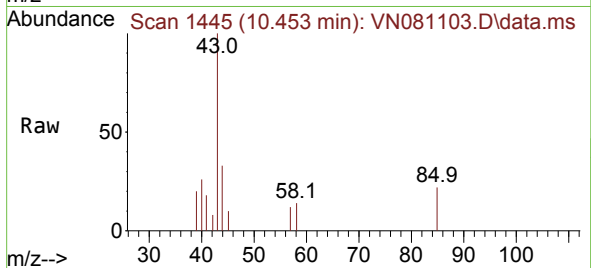
Acq: 20 Feb 2024 17:04

Instrument :

MSVOA_N

ClientSampleId :

20240768-AMENDED-COMP-39N-N-3-03RE

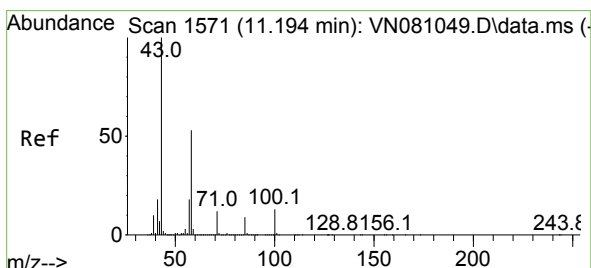
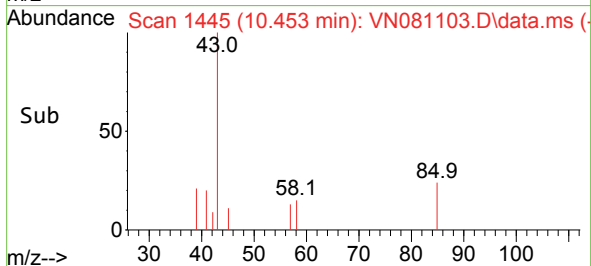
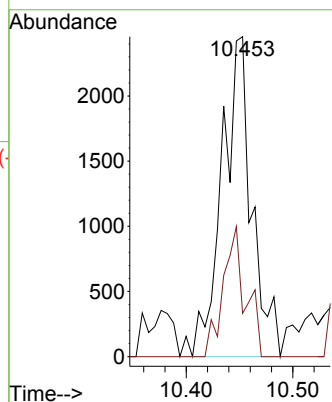


Tgt Ion: 43 Resp: 4792

Ion Ratio Lower Upper

43 100

58 30.2 29.4 44.0



#59

2-Hexanone

Concen: 0.476 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. -0.000 min

Lab File: VN081103.D

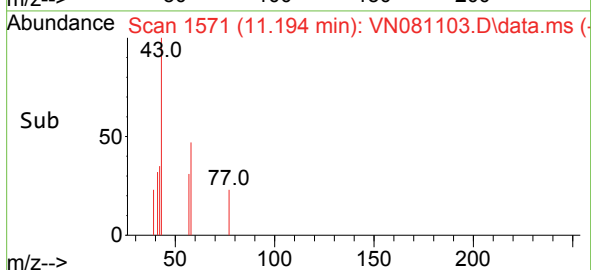
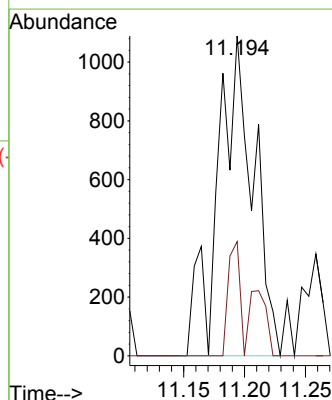
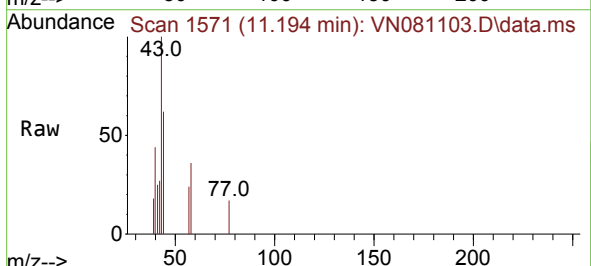
Acq: 20 Feb 2024 17:04

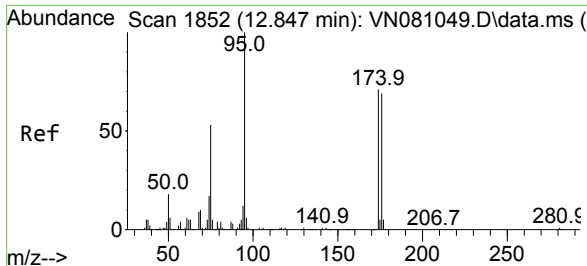
Tgt Ion: 43 Resp: 2239

Ion Ratio Lower Upper

43 100

58 11.5 25.9 77.8#

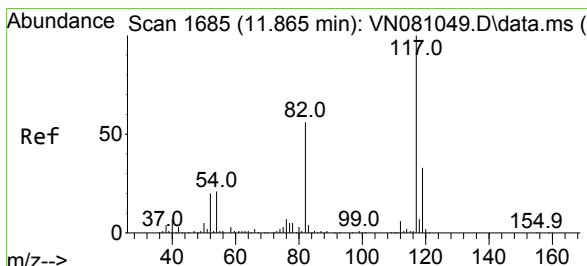
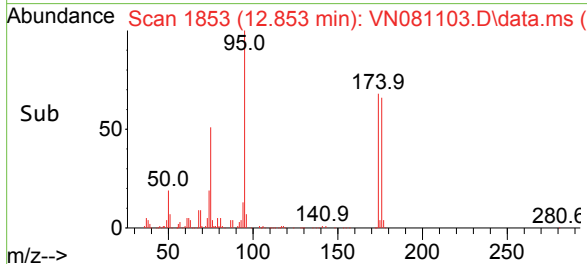
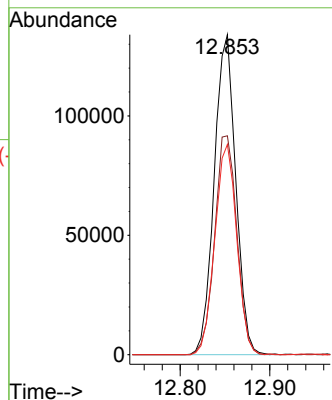
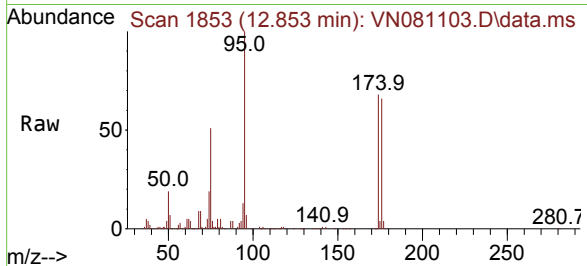




#62
4-Bromofluorobenzene
Concen: 43.781 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081103.D
Acq: 20 Feb 2024 17:04

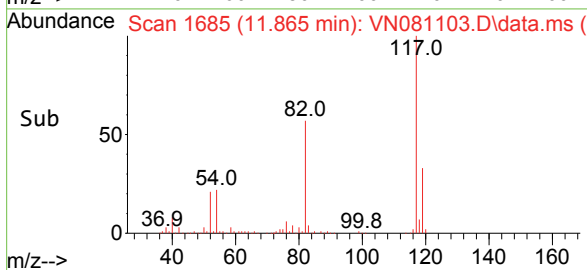
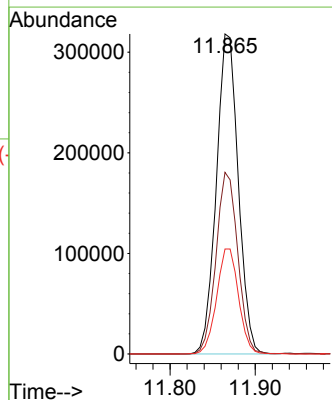
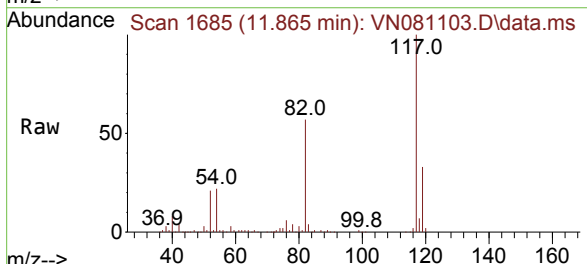
Instrument :
MSVOA_N
ClientSampleId :
20240768-AMENDED-COMP-39N-N-3-03RE

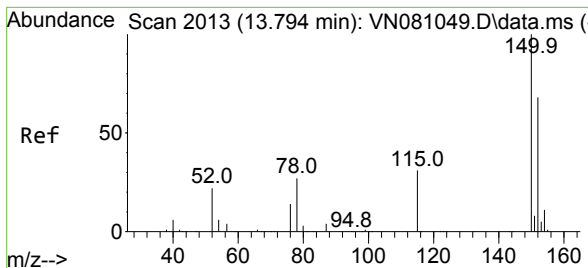
Tgt Ion: 95 Resp: 223042
Ion Ratio Lower Upper
95 100
174 70.7 0.0 120.4
176 67.0 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN081103.D
Acq: 20 Feb 2024 17:04

Tgt Ion: 117 Resp: 568940
Ion Ratio Lower Upper
117 100
82 56.8 52.7 79.1
119 32.8 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN081103.D

Acq: 20 Feb 2024 17:04

Instrument :

MSVOA_N

ClientSampleId :

20240768-AMENDED-COMP-39N-N-3-03RE

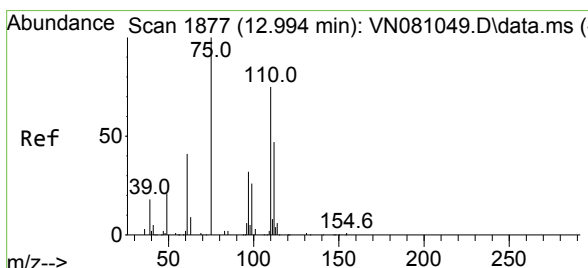
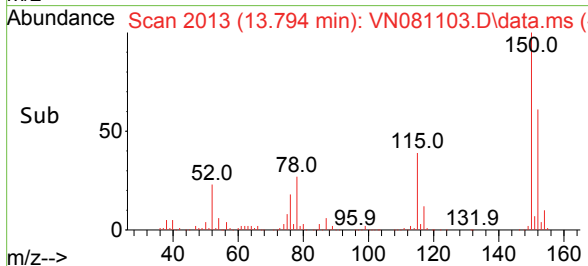
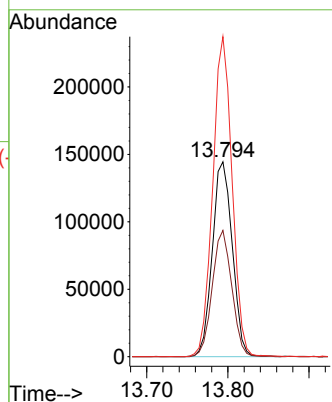
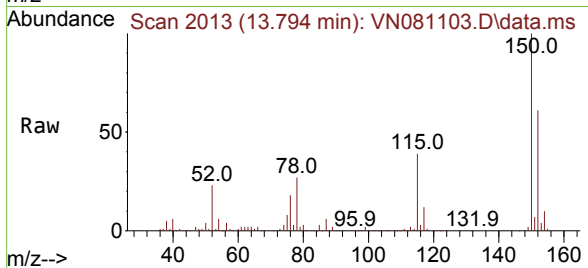
Tgt Ion:152 Resp: 247185

Ion Ratio Lower Upper

152 100

115 63.3 32.3 96.8

150 159.0 0.0 339.8



#76

1,2,3-Trichloropropane

Concen: 21.059 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN081103.D

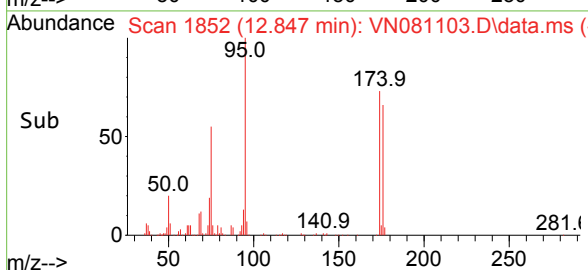
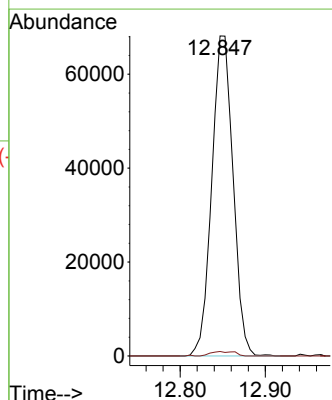
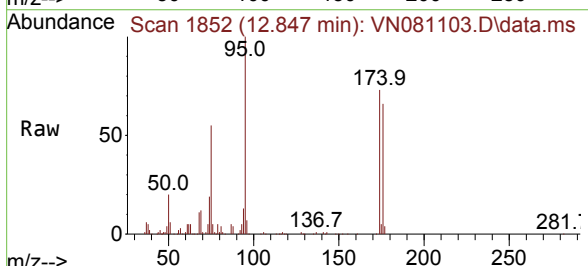
Acq: 20 Feb 2024 17:04

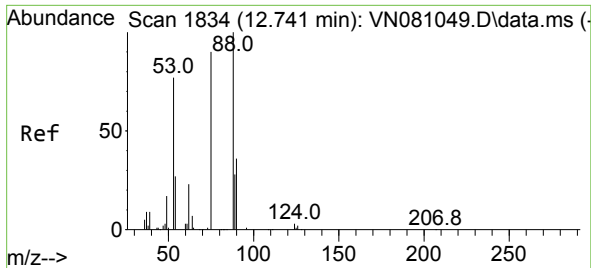
Tgt Ion: 75 Resp: 118271

Ion Ratio Lower Upper

75 100

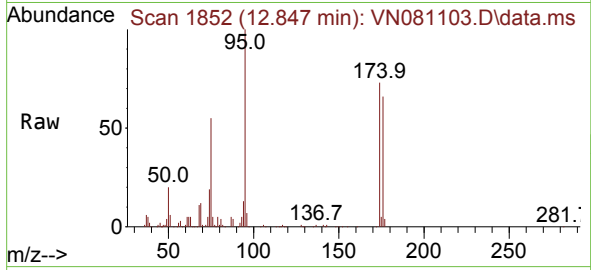
77 1.6 91.0 272.8#





#81
trans-1,4-Dichloro-2-butene
Concen: 54.204 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN081103.D
Acq: 20 Feb 2024 17:04

Instrument :
MSVOA_N
ClientSampleId :
20240768-AMENDED-COMP-39N-N-3-03RE



Tgt Ion: 75 Resp: 118271
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#

