

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022024\
 Data File : VN081102.D
 Acq On : 20 Feb 2024 16:40
 Operator : JC\MD
 Sample : P1524-07RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 20240767-AMENDED-COMP-39N-N-3-02RE

Quant Time: Feb 21 00:22:03 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)

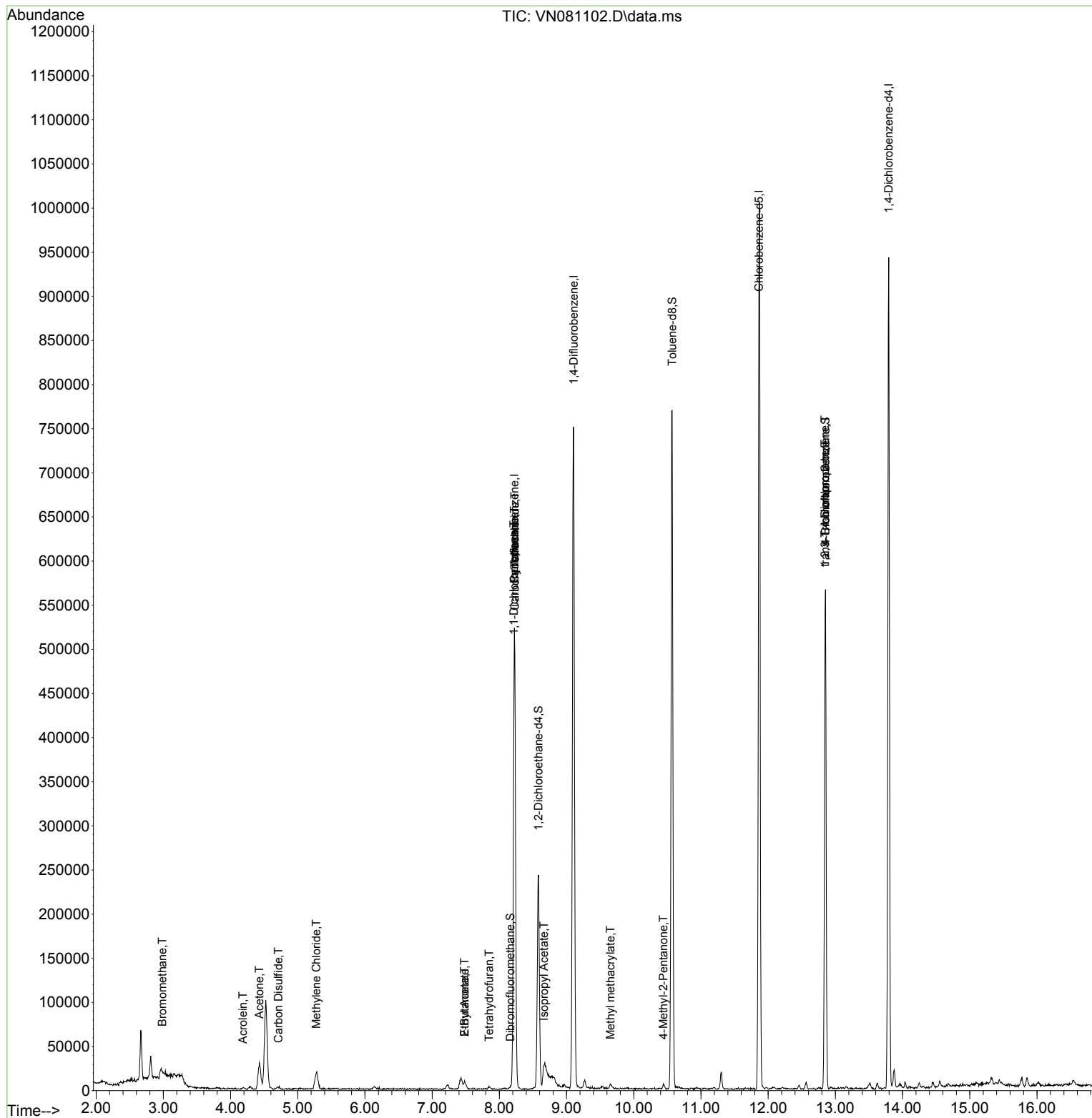
Internal Standards						
1) Pentafluorobenzene	8.224	168	367984	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	677116	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	582809	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	243130	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	189897	42.102	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	84.200%
35) Dibromofluoromethane	8.165	113	2144	0.560	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	1.120%#
50) Toluene-d8	10.571	98	534584	39.310	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	78.620%#
62) 4-Bromofluorobenzene	12.853	95	198707	38.886	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	77.780%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1615	Below Cal	#	43
5) Bromomethane	2.983	94	774	0.206	ug/l	96
6) Chloroethane	3.130	64	92	Below Cal	#	5
13) Acrolein	4.183	56	1302	2.929	ug/l	# 57
16) Acetone	4.430	43	54749	30.849	ug/l	90
17) Carbon Disulfide	4.712	76	3052	0.263	ug/l	# 78
20) Methylene Chloride	5.277	84	14954	2.372	ug/l	# 83
25) 2-Butanone	7.483	43	13646	4.759	ug/l	96
29) Tetrahydrofuran	7.847	42	1698	0.887	ug/l	# 49
31) Cyclohexane	8.224	56	9253	1.188	ug/l	# 1
36) 1,1-Dichloropropene	8.218	75	33190	5.060	ug/l	# 53
37) Ethyl Acetate	7.483	43	13646	2.305	ug/l	# 70
38) Carbon Tetrachloride	8.230	117	43812	6.602	ug/l	# 19
43) Isopropyl Acetate	8.665	43	41047	3.964	ug/l	# 57
48) Methyl methacrylate	9.653	41	2173	0.451	ug/l	# 41
49) 1,4-Dioxane	9.694	88	101	Below Cal	#	18
51) 4-Methyl-2-Pentanone	10.441	43	3791	0.636	ug/l	97
76) 1,2,3-Trichloropropane	12.847	75	106635	19.304	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.847	75	106635	49.686	ug/l	# 14

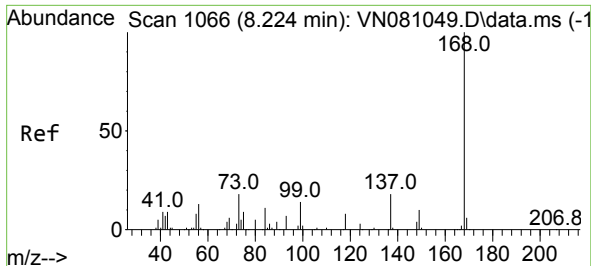
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Feb 16 23:45:20 2024
Response via : Initial Calibration

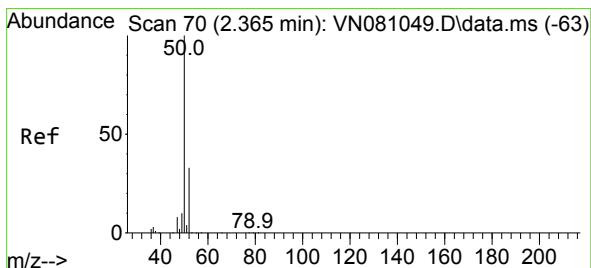
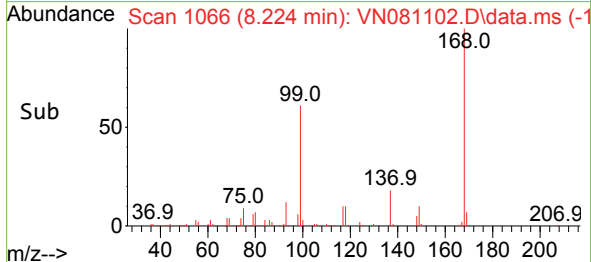
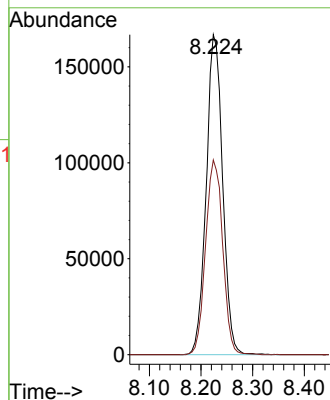
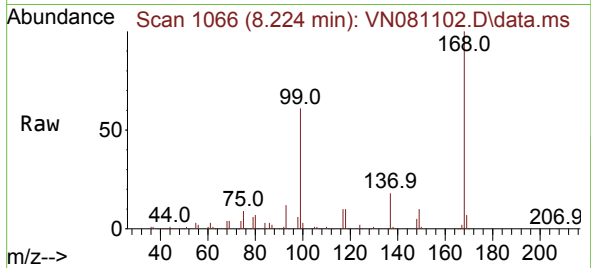




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081102.D
Acq: 20 Feb 2024 16:40

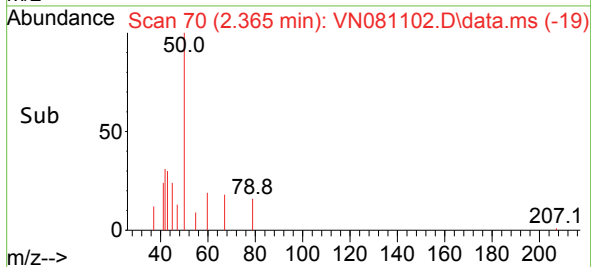
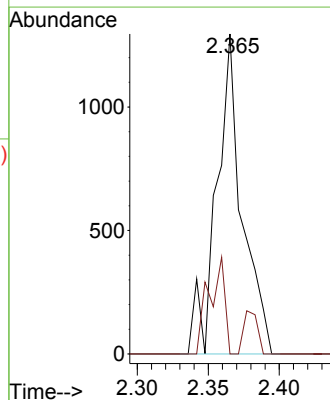
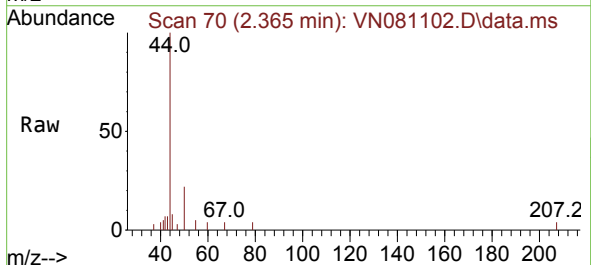
Instrument : MSVOA_N
ClientSampleId : 20240767-AMENDED-COMP-39N-N-3-02RE

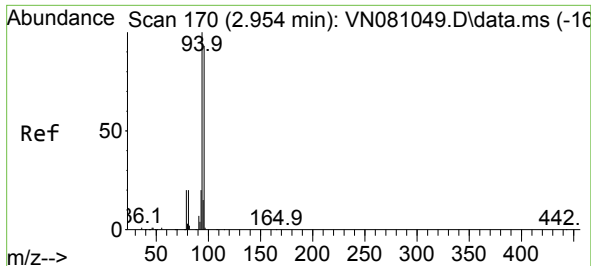
Tgt Ion:168 Resp: 367984
Ion Ratio Lower Upper
168 100
99 60.9 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN081102.D
Acq: 20 Feb 2024 16:40

Tgt Ion: 50 Resp: 1615
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

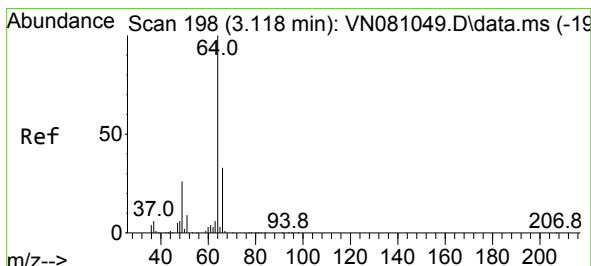
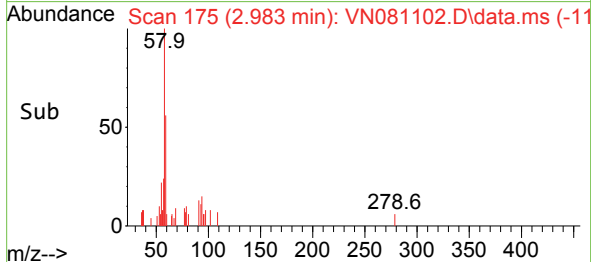
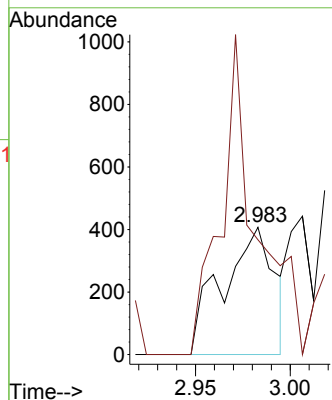
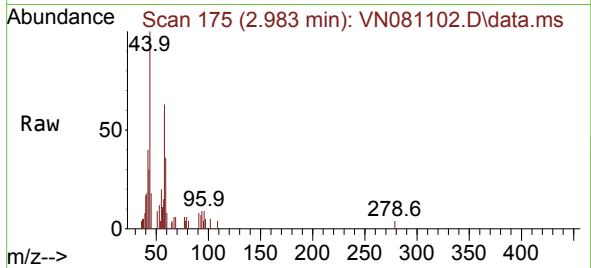




#5
Bromomethane
Concen: 0.206 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN081102.D
Acq: 20 Feb 2024 16:40

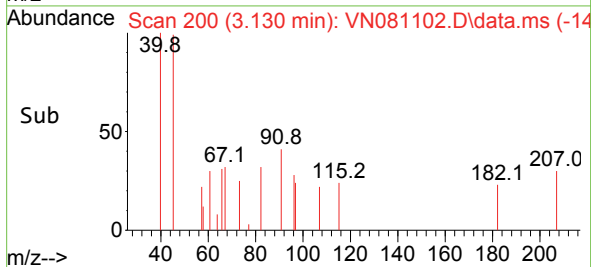
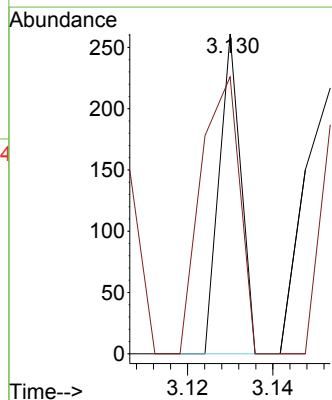
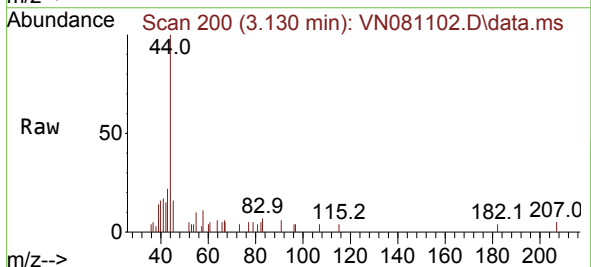
Instrument :
MSVOA_N
ClientSampleId :
20240767-AMENDED-COMP-39N-N-3-02RE

Tgt Ion: 94 Resp: 774
Ion Ratio Lower Upper
94 100
96 90.2 69.2 103.8



#6
Chloroethane
Concen: Below Cal
RT: 3.130 min Scan# 200
Delta R.T. 0.012 min
Lab File: VN081102.D
Acq: 20 Feb 2024 16:40

Tgt Ion: 64 Resp: 92
Ion Ratio Lower Upper
64 100
66 86.6 26.4 39.6#

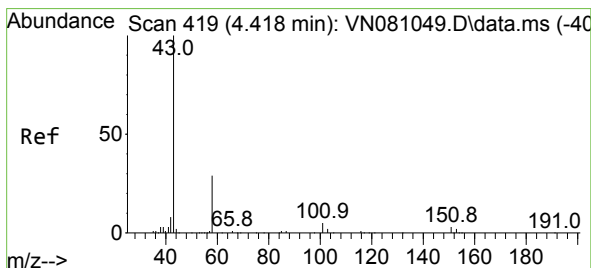
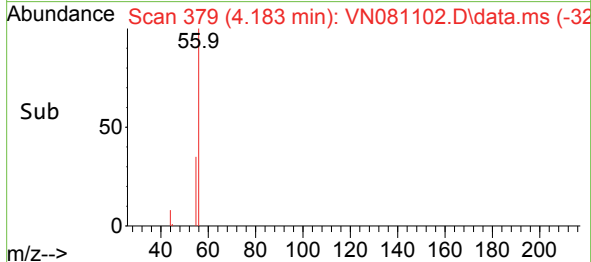
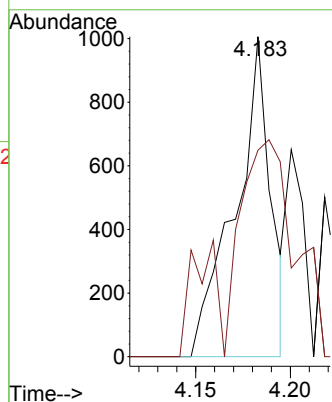
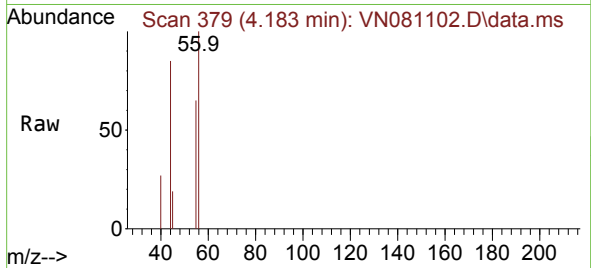




#13
Acrolein
Concen: 2.929 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN081102.D
Acq: 20 Feb 2024 16:40

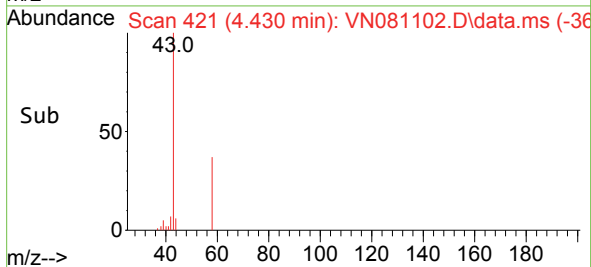
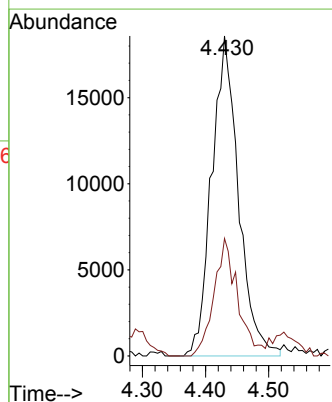
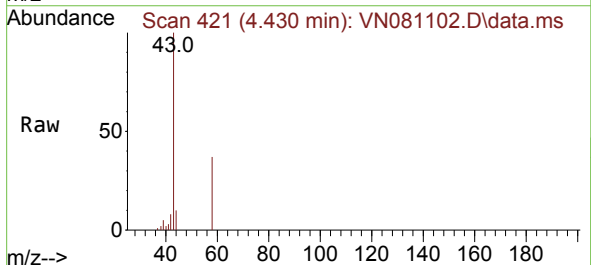
Instrument :
MSVOA_N
ClientSampleId :
20240767-AMENDED-COMP-39N-N-3-02RE

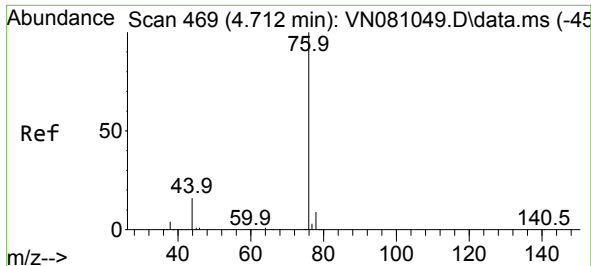
Tgt Ion: 56 Resp: 1302
Ion Ratio Lower Upper
56 100
55 104.0 55.3 82.9#



#16
Acetone
Concen: 30.849 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN081102.D
Acq: 20 Feb 2024 16:40

Tgt Ion: 43 Resp: 54749
Ion Ratio Lower Upper
43 100
58 36.7 24.8 37.2

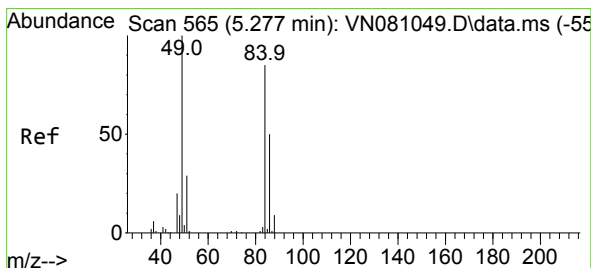
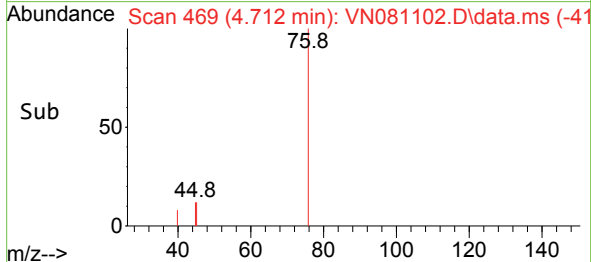
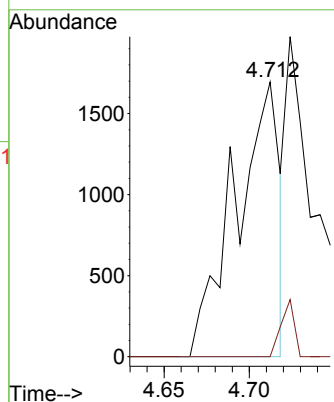
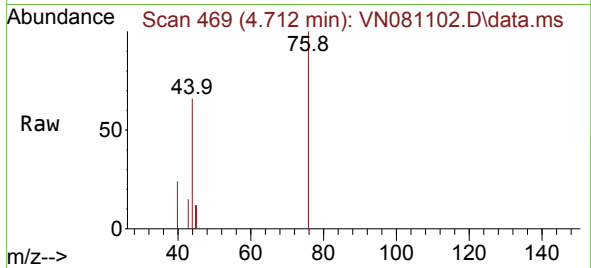




#17
Carbon Disulfide
Concen: 0.263 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.000 min
Lab File: VN081102.D
Acq: 20 Feb 2024 16:40

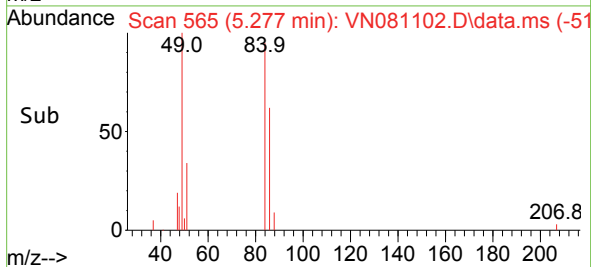
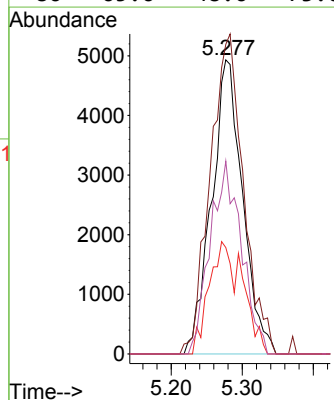
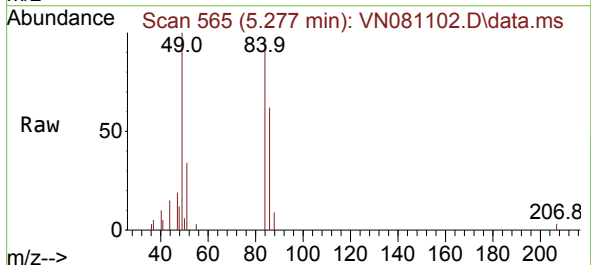
Instrument : MSVOA_N
ClientSampleId : 20240767-AMENDED-COMP-39N-N-3-02RE

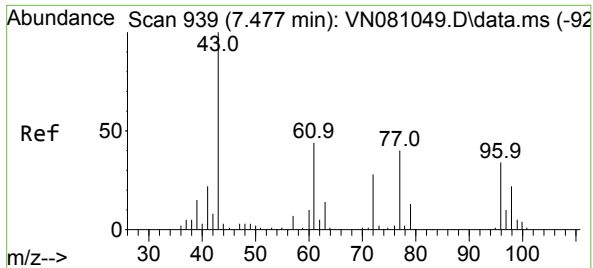
Tgt Ion: 76 Resp: 3052
Ion Ratio Lower Upper
76 100
78 0.0 6.3 9.5#



#20
Methylene Chloride
Concen: 2.372 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN081102.D
Acq: 20 Feb 2024 16:40

Tgt Ion: 84 Resp: 14954
Ion Ratio Lower Upper
84 100
49 105.3 108.1 162.1#
51 36.2 32.9 49.3
86 65.6 48.6 73.0

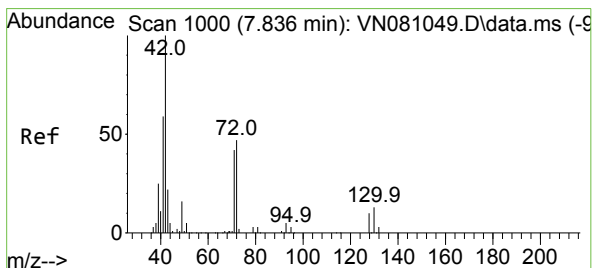
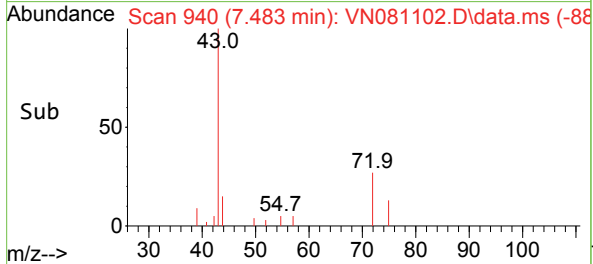
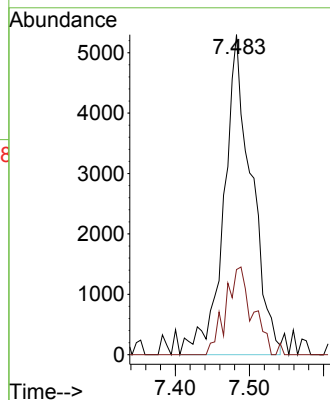
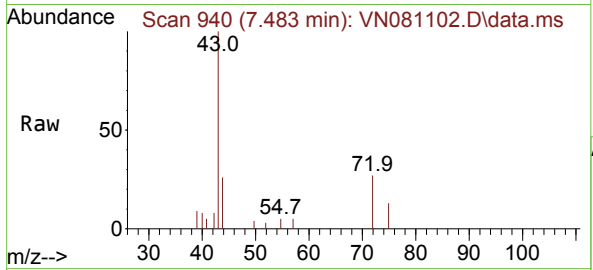




#25
2-Butanone
Concen: 4.759 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN081102.D
Acq: 20 Feb 2024 16:40

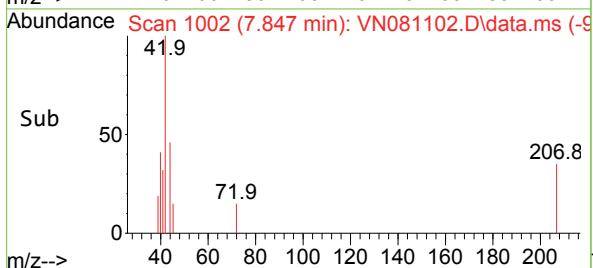
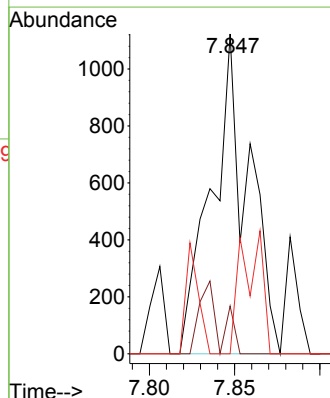
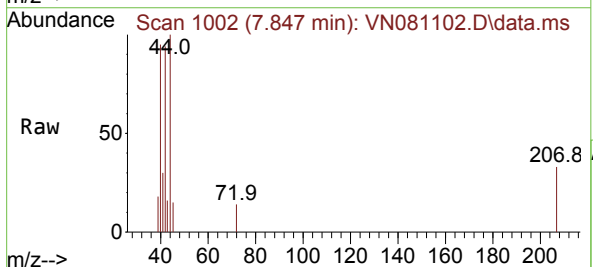
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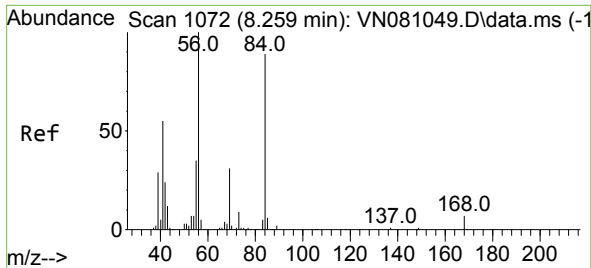
Tgt Ion: 43 Resp: 13646
Ion Ratio Lower Upper
43 100
72 26.6 19.5 29.3



#29
Tetrahydrofuran
Concen: 0.887 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.012 min
Lab File: VN081102.D
Acq: 20 Feb 2024 16:40

Tgt Ion: 42 Resp: 1698
Ion Ratio Lower Upper
42 100
72 12.6 31.1 46.7#
71 0.0 28.3 42.5#

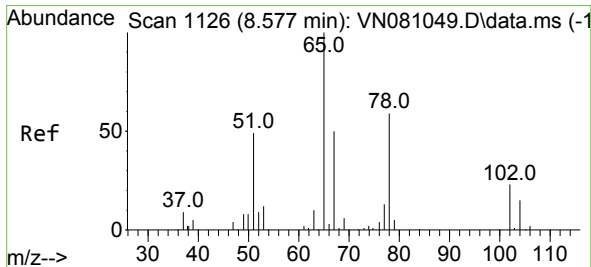
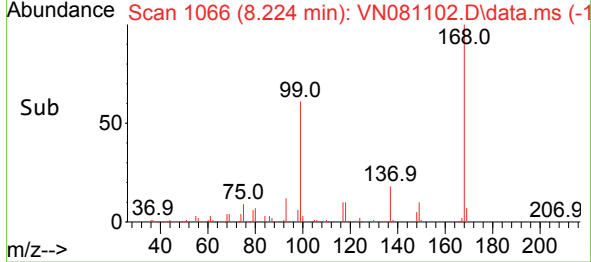
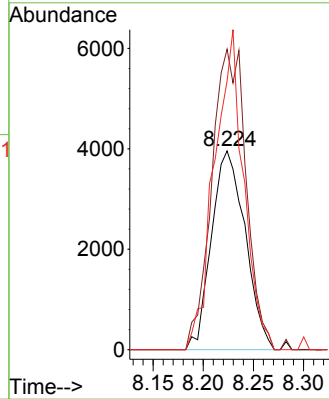
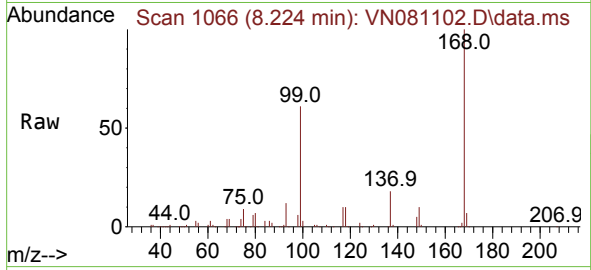




#31
Cyclohexane
Concen: 1.188 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081102.D
Acq: 20 Feb 2024 16:40

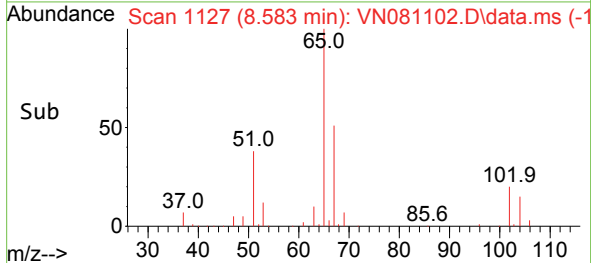
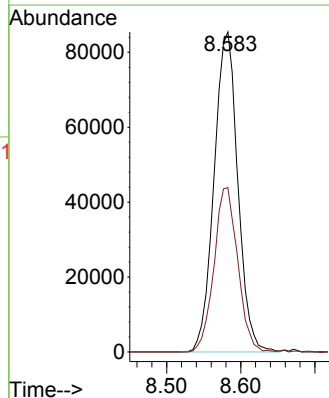
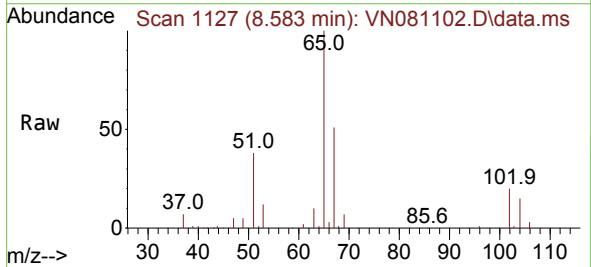
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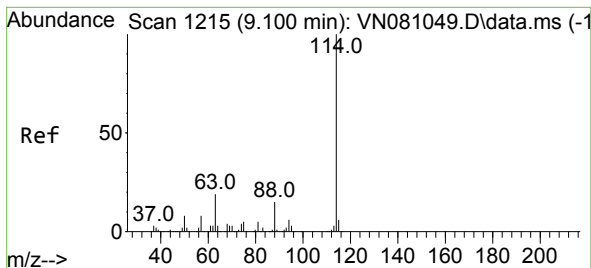
Tgt Ion:	56	Resp:	9253
Ion	Ratio	Lower	Upper
56	100		
69	151.2	20.1	30.1#
84	135.1	56.9	85.3#



#33
1,2-Dichloroethane-d4
Concen: 42.102 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081102.D
Acq: 20 Feb 2024 16:40

Tgt Ion:	65	Resp:	189897
Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 111

Delta R.T. 0.006 min

Lab File: VN081102.D

Acq: 20 Feb 2024 16:40

Instrument :

MSVOA_N

ClientSampleId :

20240767-AMENDED-COMP-39N-N-3-02RE

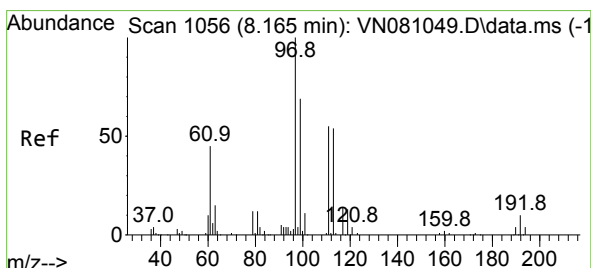
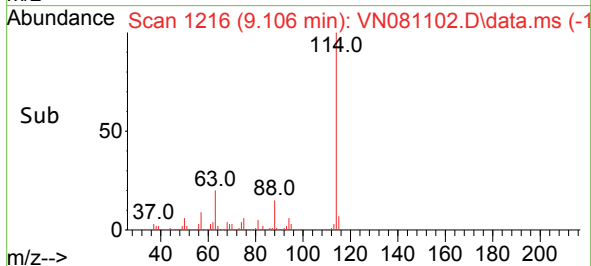
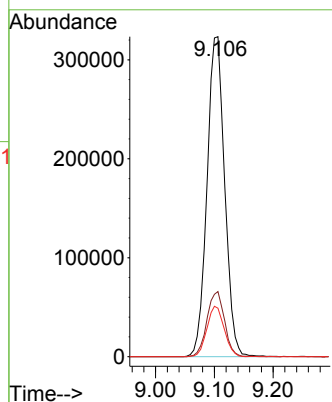
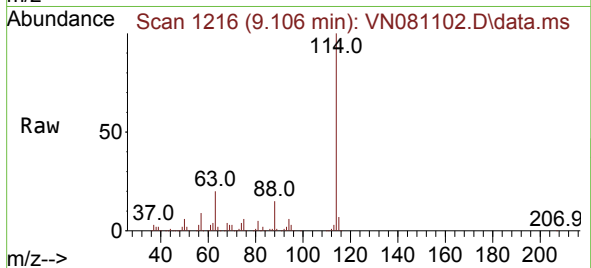
Tgt Ion:114 Resp: 677116

Ion Ratio Lower Upper

114 100

63 20.4 0.0 48.0

88 15.1 0.0 34.8



#35

Dibromofluoromethane

Concen: 0.560 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN081102.D

Acq: 20 Feb 2024 16:40

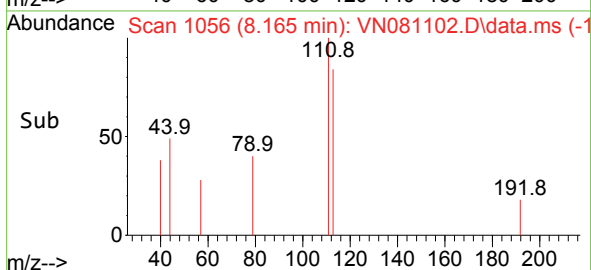
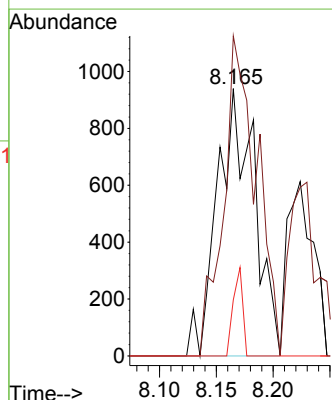
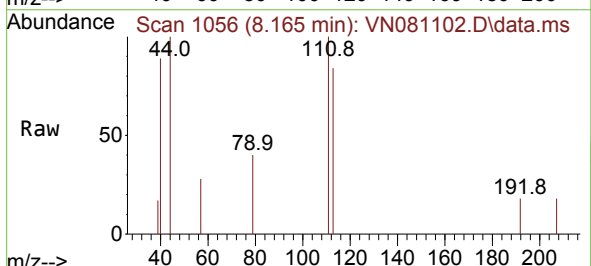
Tgt Ion:113 Resp: 2144

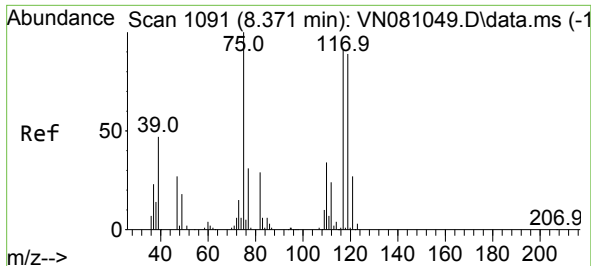
Ion Ratio Lower Upper

113 100

111 106.8 82.2 123.4

192 8.3 12.5 18.7#

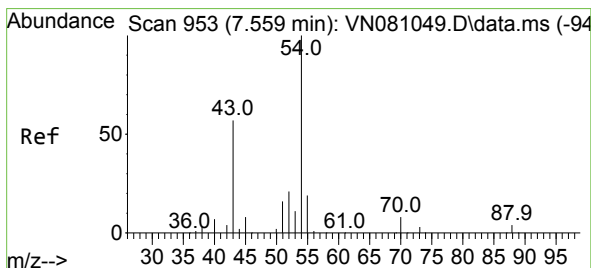
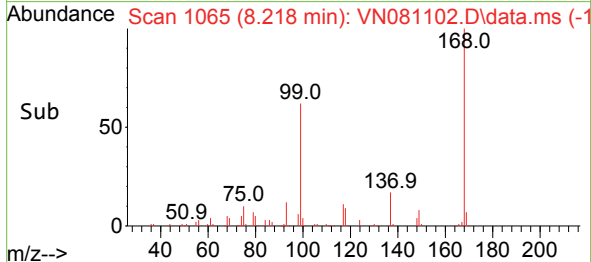
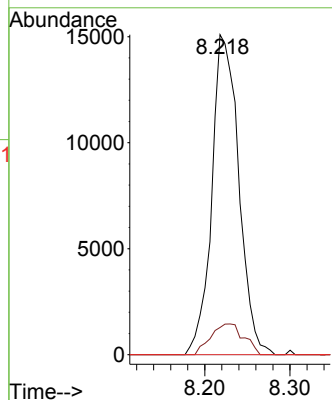
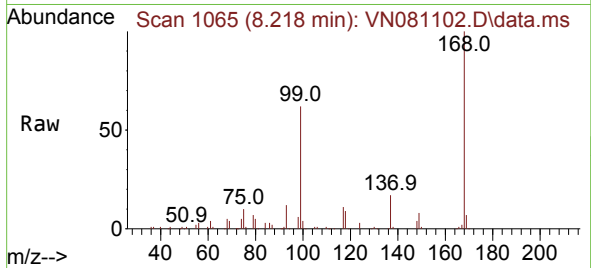




#36
1,1-Dichloropropene
Concen: 5.060 ug/l
RT: 8.218 min Scan# 1091
Delta R.T. -0.153 min
Lab File: VN081102.D
Acq: 20 Feb 2024 16:40

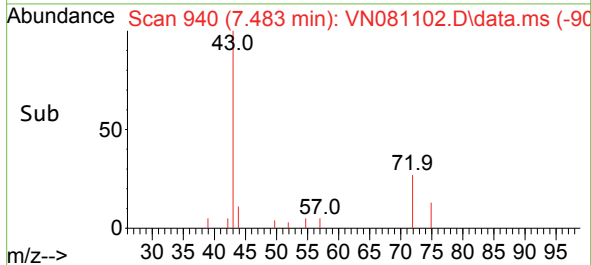
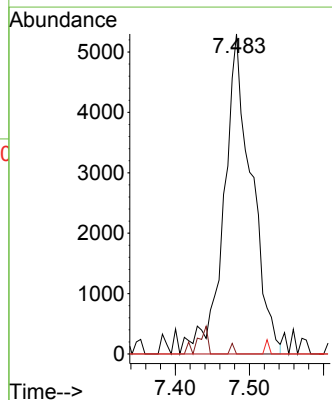
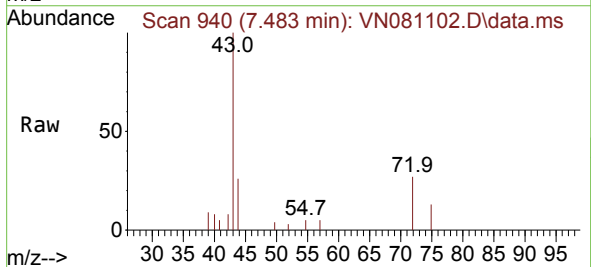
Instrument : MSVOA_N
ClientSampleId : 20240767-AMENDED-COMP-39N-N-3-02RE

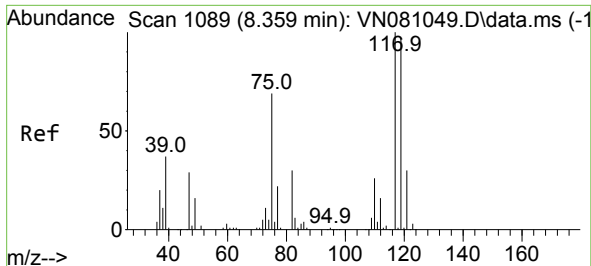
Tgt Ion: 75 Resp: 33190
Ion Ratio Lower Upper
75 100
110 11.7 16.0 48.0#
77 0.0 25.8 38.6#



#37
Ethyl Acetate
Concen: 2.305 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.076 min
Lab File: VN081102.D
Acq: 20 Feb 2024 16:40

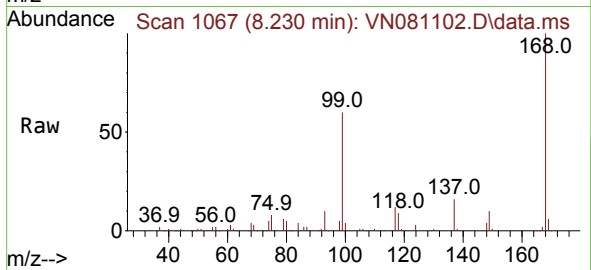
Tgt Ion: 43 Resp: 13646
Ion Ratio Lower Upper
43 100
61 0.4 10.6 15.8#
70 0.0 8.0 12.0#



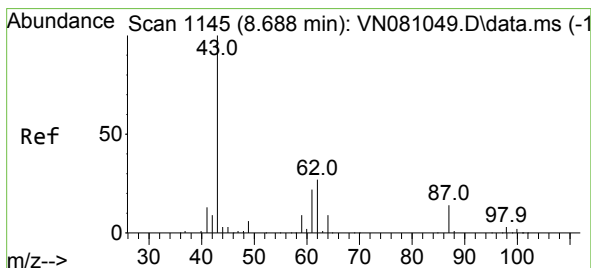
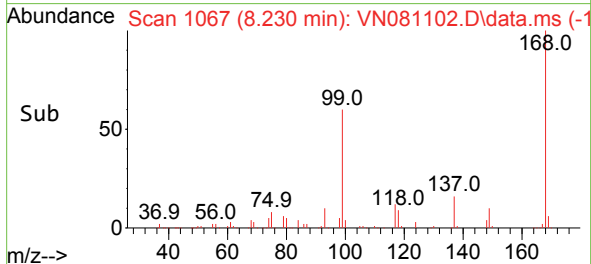
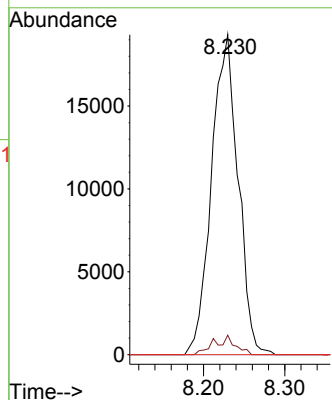


#38
Carbon Tetrachloride
Concen: 6.602 ug/l
RT: 8.230 min Scan# 1089
Delta R.T. -0.129 min
Lab File: VN081102.D
Acq: 20 Feb 2024 16:40

Instrument : MSVOA_N
ClientSampleId : 20240767-AMENDED-COMP-39N-N-3-02RE

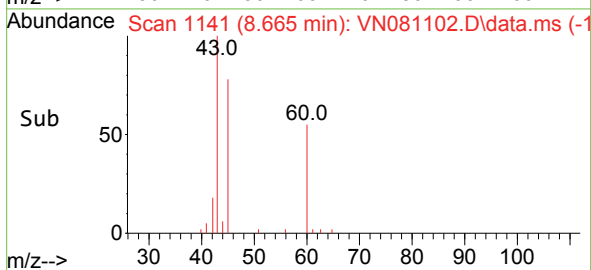
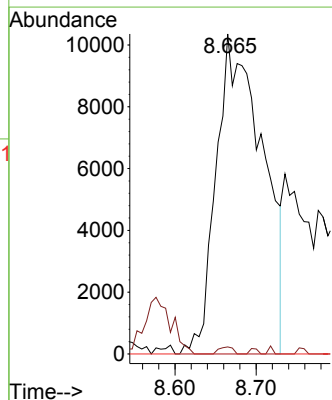
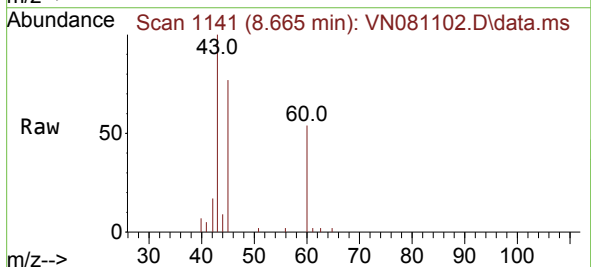


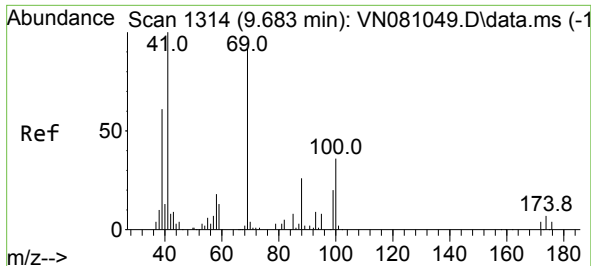
Tgt Ion:117 Resp: 43812
Ion Ratio Lower Upper
117 100
119 6.1 73.4 110.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 3.964 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.024 min
Lab File: VN081102.D
Acq: 20 Feb 2024 16:40

Tgt Ion: 43 Resp: 41047
Ion Ratio Lower Upper
43 100
61 0.7 19.9 29.9#
87 0.0 9.0 13.6#





#48

Methyl methacrylate

Concen: 0.451 ug/l

RT: 9.653 min Scan# 1309

Delta R.T. -0.029 min

Lab File: VN081102.D

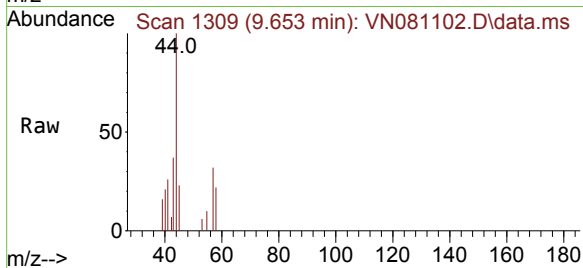
Acq: 20 Feb 2024 16:40

Instrument :

MSVOA_N

ClientSampleId :

20240767-AMENDED-COMP-39N-N-3-02RE



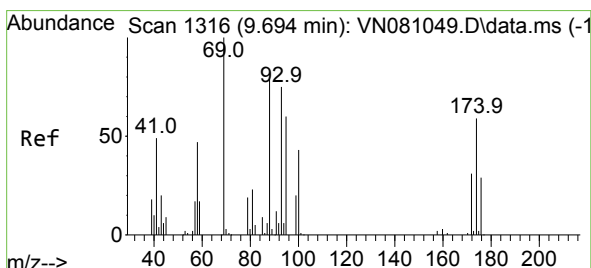
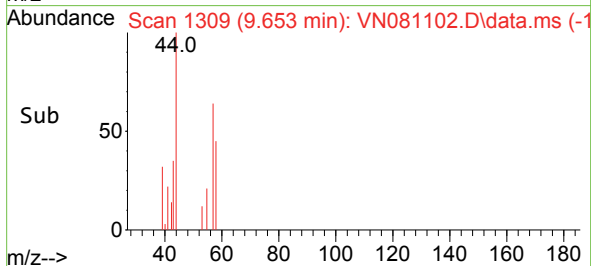
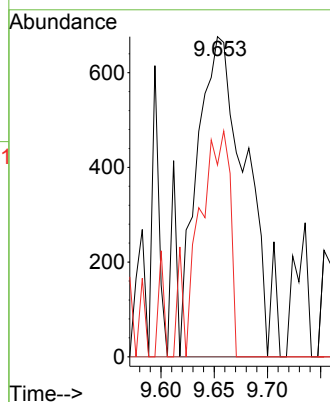
Tgt Ion: 41 Resp: 2173

Ion Ratio Lower Upper

41 100

69 0.0 62.2 93.2#

39 45.6 47.6 71.4#



#49

1,4-Dioxane

Concen: Below Cal

RT: 9.694 min Scan# 1316

Delta R.T. 0.000 min

Lab File: VN081102.D

Acq: 20 Feb 2024 16:40

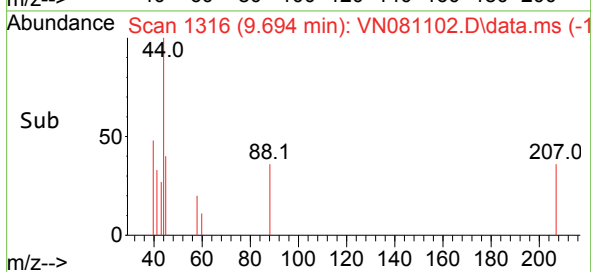
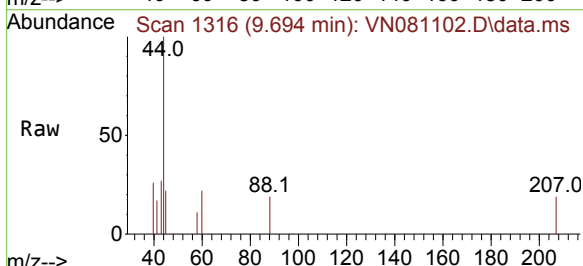
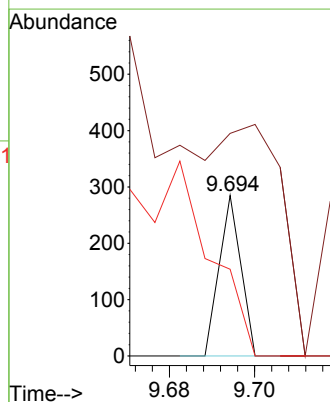
Tgt Ion: 88 Resp: 101

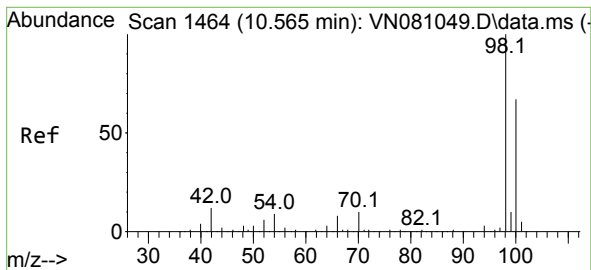
Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 0.0 63.9 95.9#

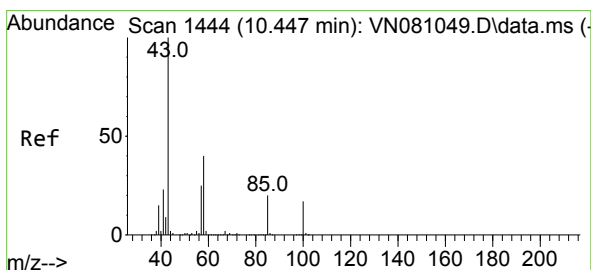
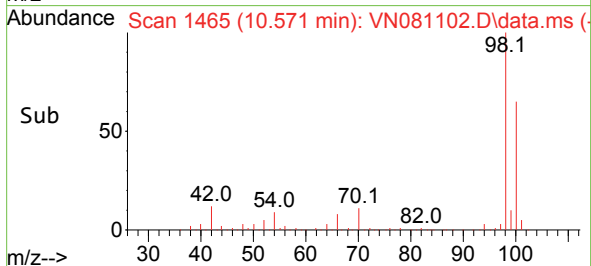
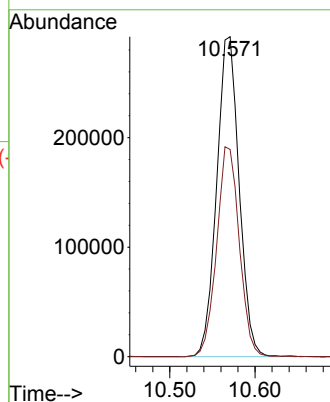
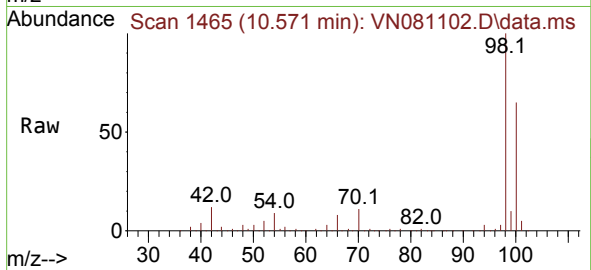




#50
Toluene-d8
Concen: 39.310 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081102.D
Acq: 20 Feb 2024 16:40

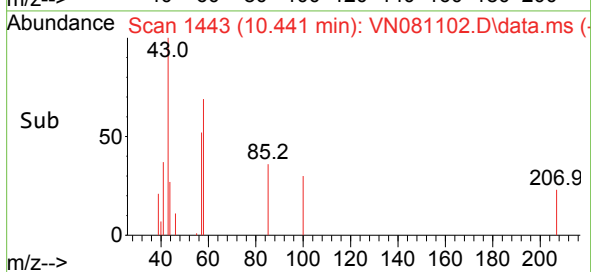
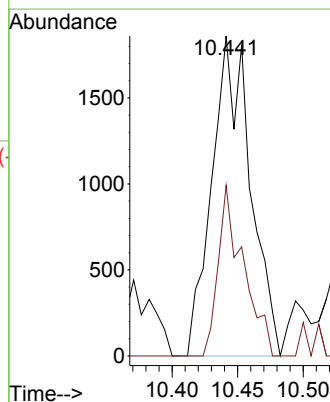
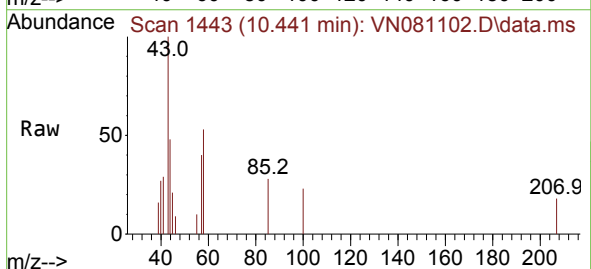
Instrument :
MSVOA_N
ClientSampleId :
20240767-AMENDED-COMP-39N-N-3-02RE

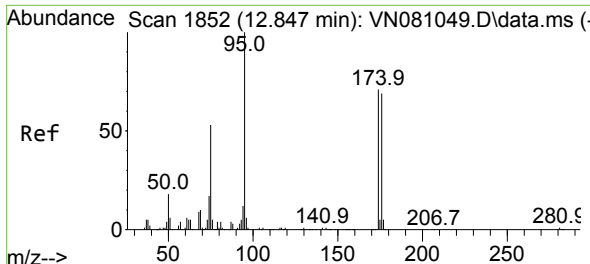
Tgt Ion: 98 Resp: 534584
Ion Ratio Lower Upper
98 100
100 66.1 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 0.636 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN081102.D
Acq: 20 Feb 2024 16:40

Tgt Ion: 43 Resp: 3791
Ion Ratio Lower Upper
43 100
58 34.8 29.4 44.0

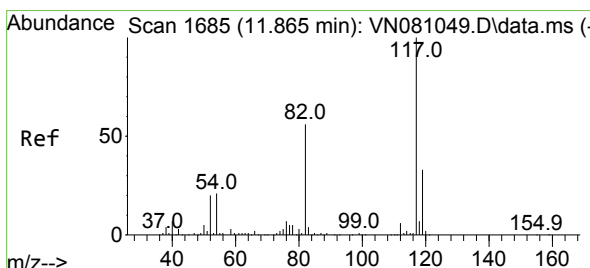
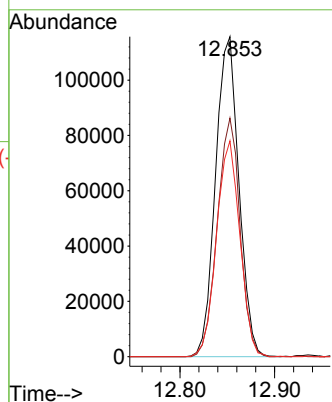
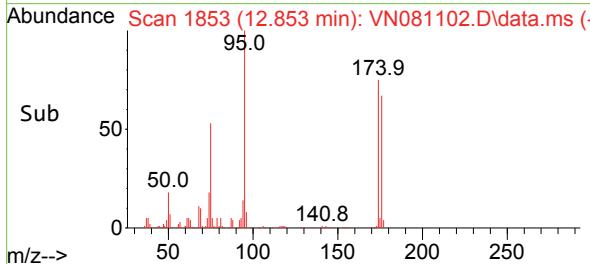
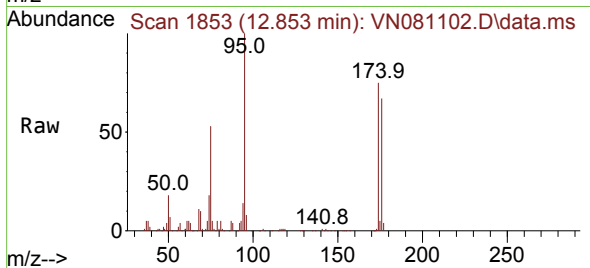




#62
4-Bromofluorobenzene
Concen: 38.886 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081102.D
Acq: 20 Feb 2024 16:40

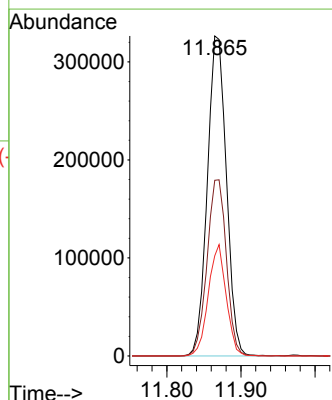
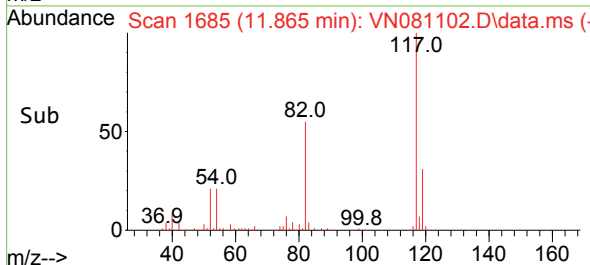
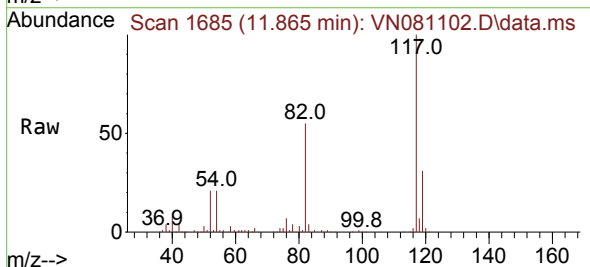
Instrument :
MSVOA_N
ClientSampleId :
20240767-AMENDED-COMP-39N-N-3-02RE

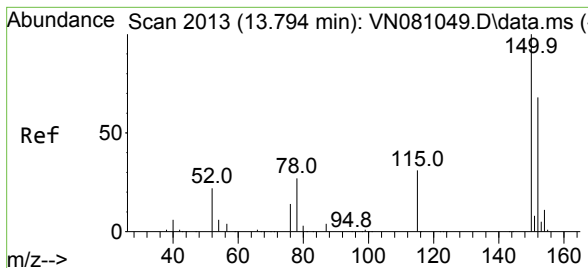
Tgt Ion: 95 Resp: 198707
Ion Ratio Lower Upper
95 100
174 72.5 0.0 120.4
176 67.4 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN081102.D
Acq: 20 Feb 2024 16:40

Tgt Ion: 117 Resp: 582809
Ion Ratio Lower Upper
117 100
82 54.9 52.7 79.1
119 31.3 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN081102.D

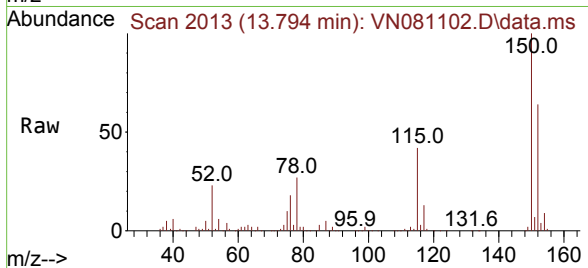
Acq: 20 Feb 2024 16:40

Instrument :

MSVOA_N

ClientSampleId :

20240767-AMENDED-COMP-39N-N-3-02RE



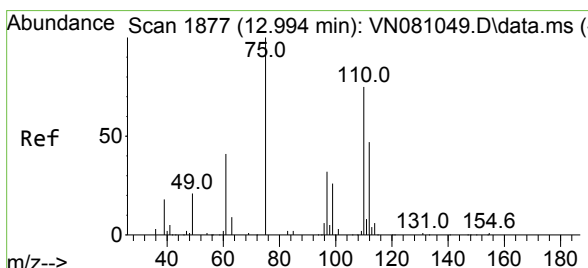
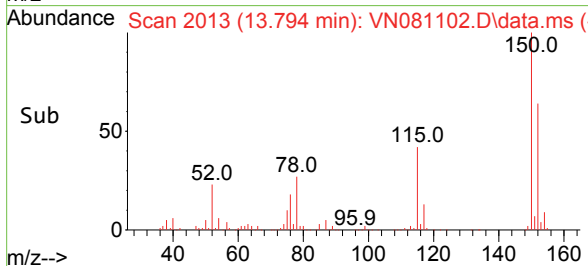
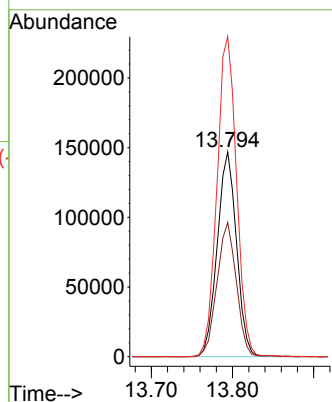
Tgt Ion:152 Resp: 243130

Ion Ratio Lower Upper

152 100

115 65.8 32.3 96.8

150 158.2 0.0 339.8



#76

1,2,3-Trichloropropane

Concen: 19.304 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN081102.D

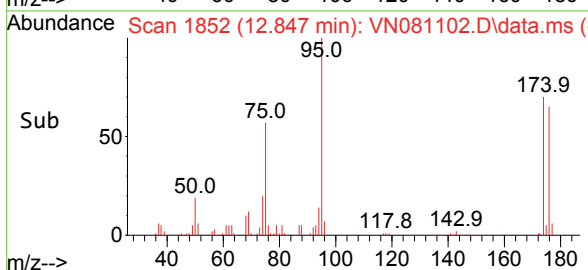
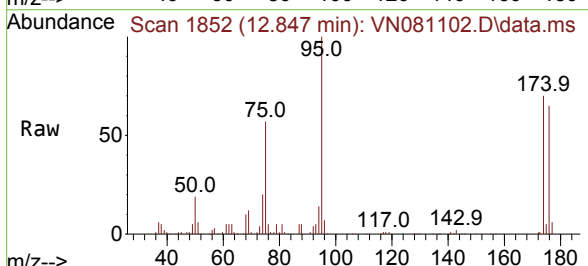
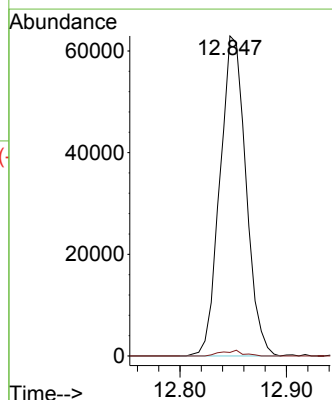
Acq: 20 Feb 2024 16:40

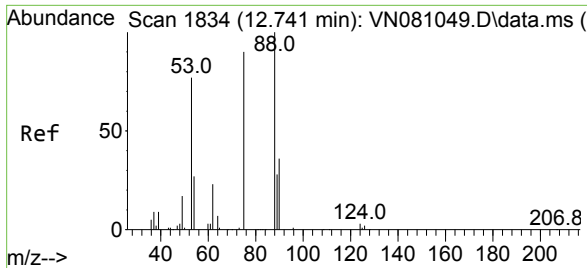
Tgt Ion: 75 Resp: 106635

Ion Ratio Lower Upper

75 100

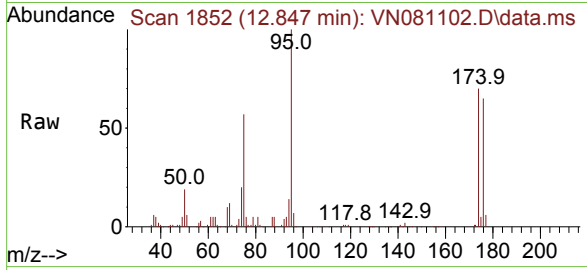
77 1.5 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 49.686 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN081102.D
 Acq: 20 Feb 2024 16:40

Instrument :
 MSVOA_N
 ClientSampleId :
 20240767-AMENDED-COMP-39N-N-3-02RE



Tgt Ion: 75 Resp: 106635
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.0 33.4 50.0#

