

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022024\
 Data File : VN081101.D
 Acq On : 20 Feb 2024 16:17
 Operator : JC\MD
 Sample : P1524-06RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 20240766-AMENDED-COMP-39N-N-3-01RE

Quant Time: Feb 21 00:21:41 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)

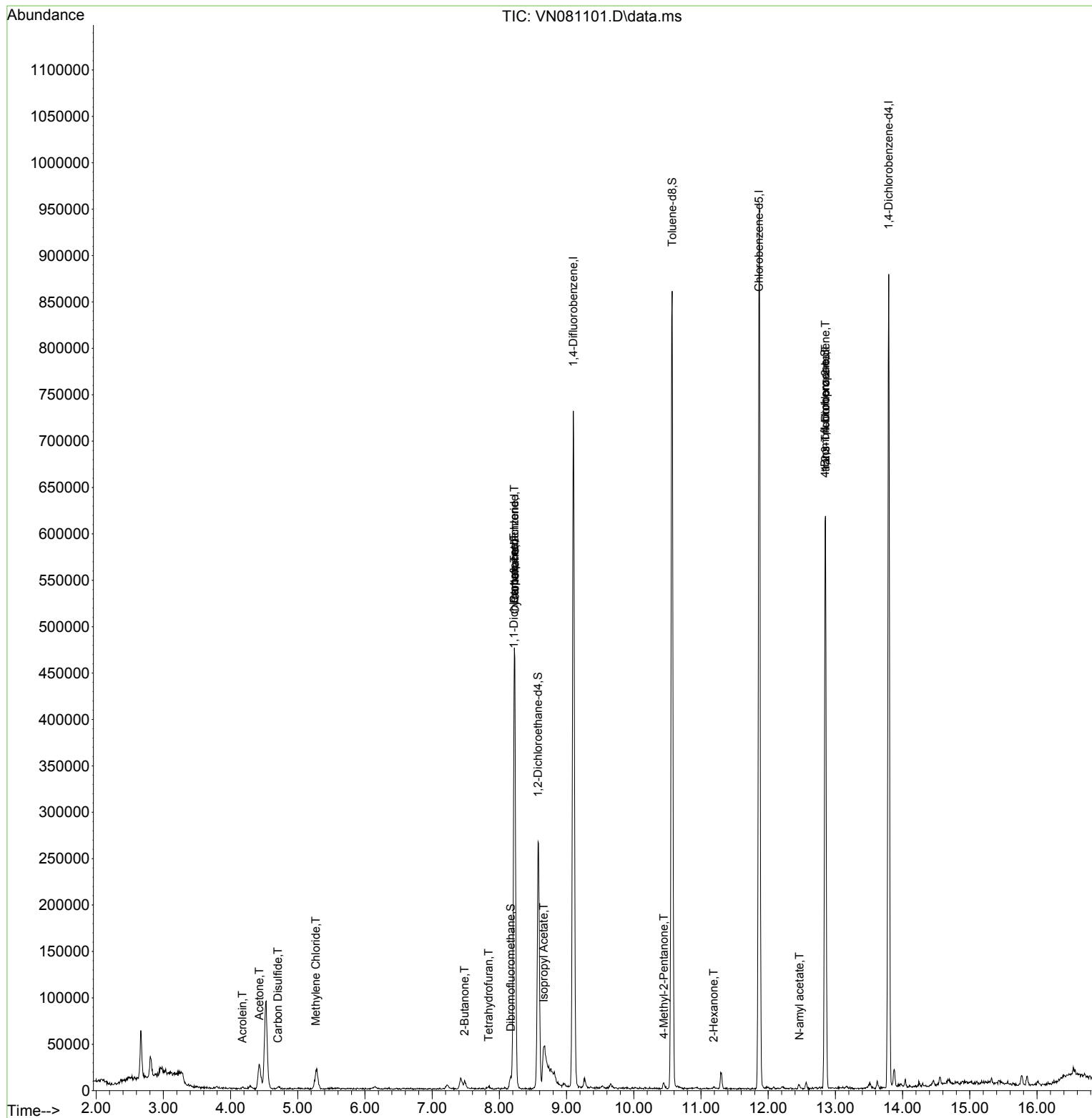
Internal Standards						
1) Pentafluorobenzene	8.224	168	335422	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	634705	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	545883	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	227798	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	213395	51.904	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	103.800%
35) Dibromofluoromethane	8.171	113	9487	2.643	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	5.280%#
50) Toluene-d8	10.571	98	606678	47.592	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.180%
62) 4-Bromofluorobenzene	12.847	95	221334	46.209	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.420%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1213	Below Cal		94
6) Chloroethane	3.100	64	427	Below Cal	#	42
13) Acrolein	4.177	56	2192	5.409	ug/l #	82
16) Acetone	4.430	43	50628	31.296	ug/l	93
17) Carbon Disulfide	4.706	76	2776	0.262	ug/l #	70
20) Methylene Chloride	5.271	84	16715	3.123	ug/l #	74
25) 2-Butanone	7.482	43	13116	5.019	ug/l #	78
29) Tetrahydrofuran	7.841	42	1388	0.796	ug/l	96
31) Cyclohexane	8.230	56	9203	1.296	ug/l #	32
36) 1,1-Dichloropropene	8.218	75	28958	4.710	ug/l #	53
38) Carbon Tetrachloride	8.224	117	37355	6.005	ug/l #	18
43) Isopropyl Acetate	8.659	43	42504	4.379	ug/l #	58
49) 1,4-Dioxane	9.694	88	164	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.447	43	5607	1.004	ug/l #	81
59) 2-Hexanone	11.188	43	1791	0.405	ug/l	78
74) N-amyl acetate	12.465	43	4038	0.479	ug/l #	51
76) 1,2,3-Trichloropropane	12.853	75	117657	22.732	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	117657	58.512	ug/l #	14

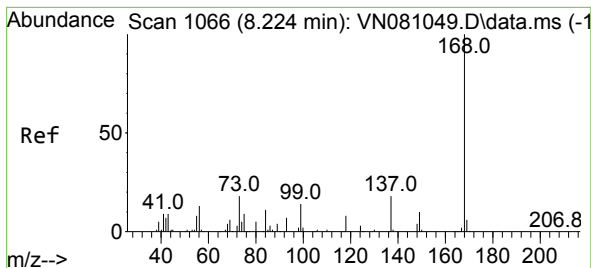
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN081101.D

Acq: 20 Feb 2024 16:17

Instrument :

MSVOA_N

ClientSampleId :

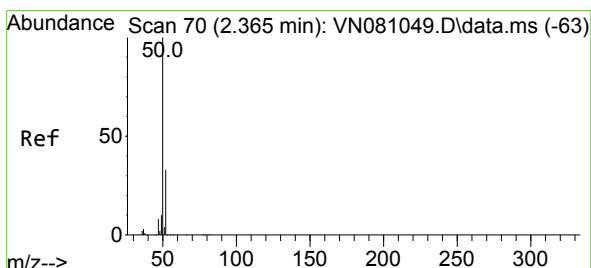
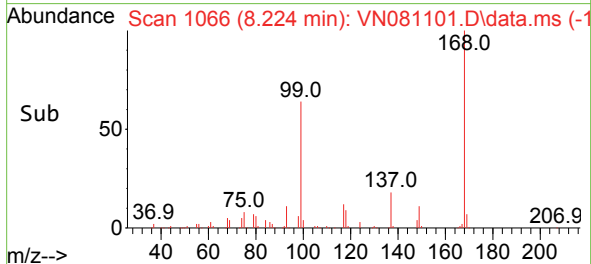
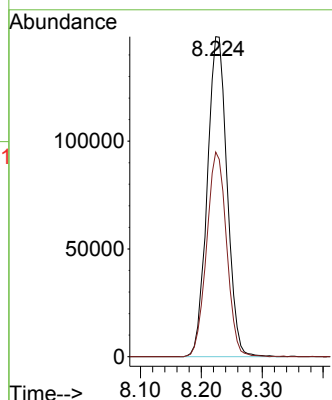
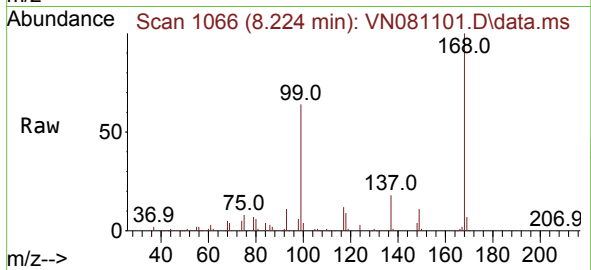
20240766-AMENDED-COMP-39N-N-3-01RE

Tgt Ion:168 Resp: 335422

Ion Ratio Lower Upper

168 100

99 64.0 59.9 89.9



#3

Chloromethane

Concen: Below Cal

RT: 2.365 min Scan# 70

Delta R.T. 0.000 min

Lab File: VN081101.D

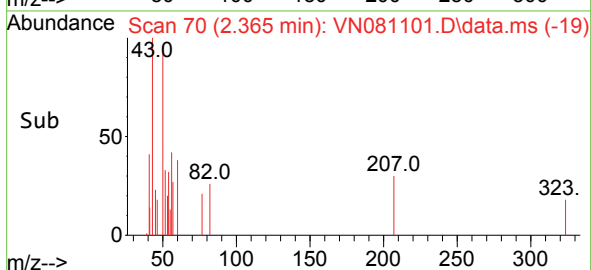
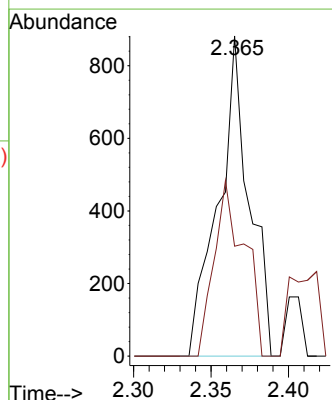
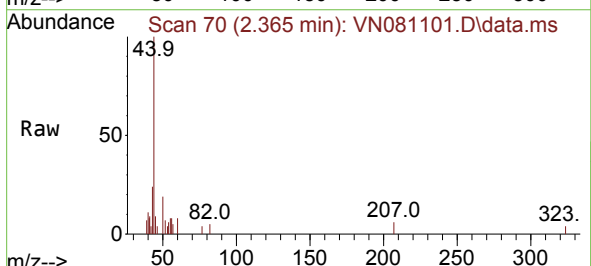
Acq: 20 Feb 2024 16:17

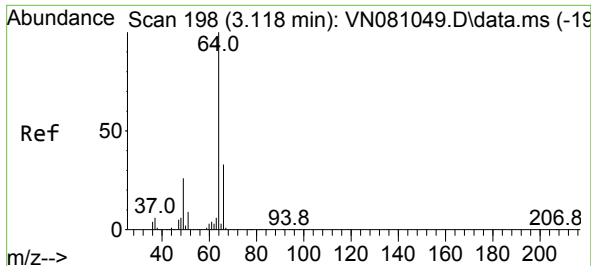
Tgt Ion: 50 Resp: 1213

Ion Ratio Lower Upper

50 100

52 34.4 25.0 37.4

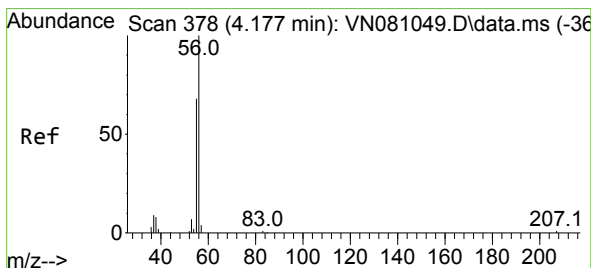
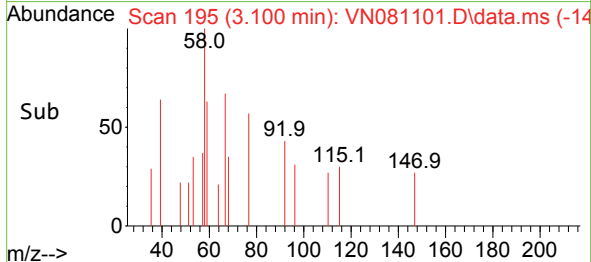
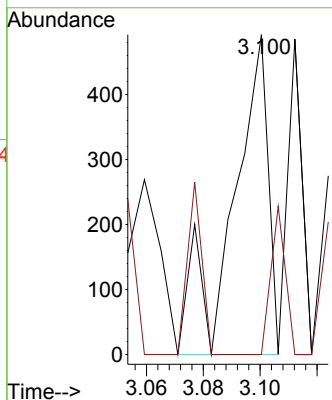
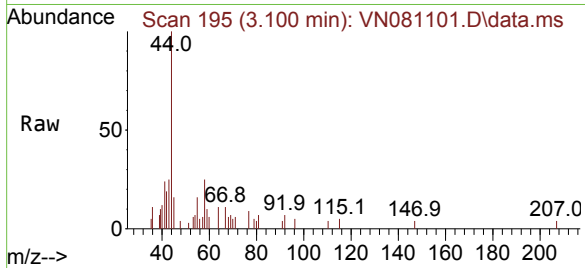




#6
Chloroethane
Concen: Below Cal
RT: 3.100 min Scan# 198
Delta R.T. -0.018 min
Lab File: VN081101.D
Acq: 20 Feb 2024 16:17

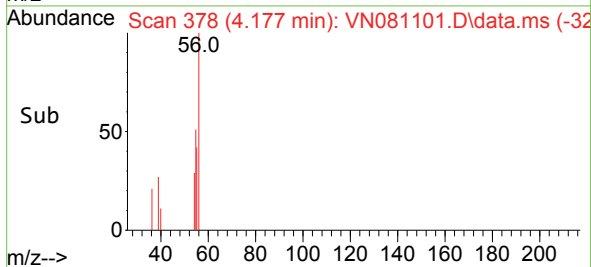
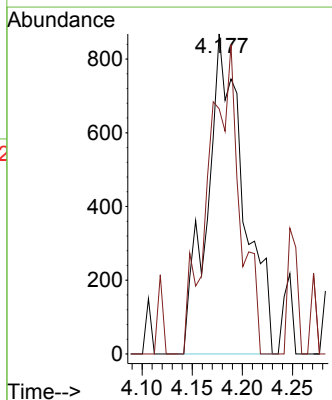
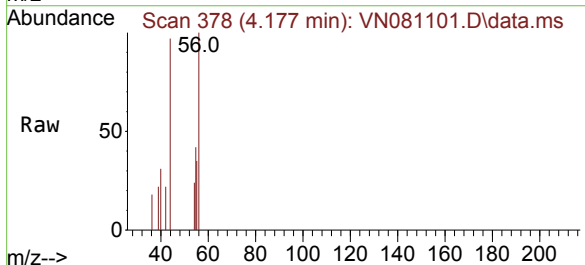
Instrument : MSVOA_N
ClientSampleId : 20240766-AMENDED-COMP-39N-N-3-01RE

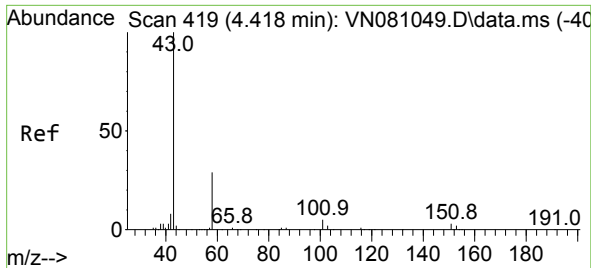
Tgt Ion: 64 Resp: 427
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#13
Acrolein
Concen: 5.409 ug/l
RT: 4.177 min Scan# 378
Delta R.T. -0.000 min
Lab File: VN081101.D
Acq: 20 Feb 2024 16:17

Tgt Ion: 56 Resp: 2192
Ion Ratio Lower Upper
56 100
55 83.8 55.3 82.9#





#16

Acetone

Concen: 31.296 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN081101.D

Acq: 20 Feb 2024 16:17

Instrument :

MSVOA_N

ClientSampleId :

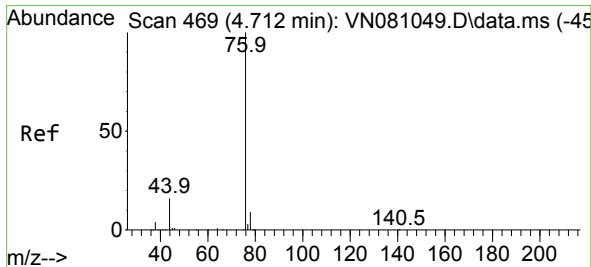
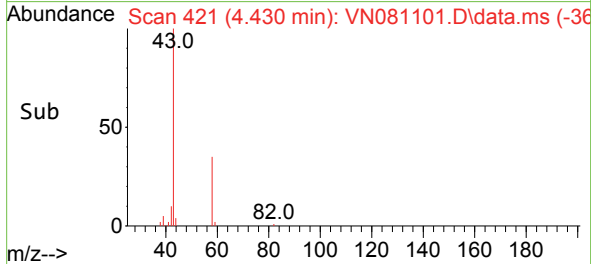
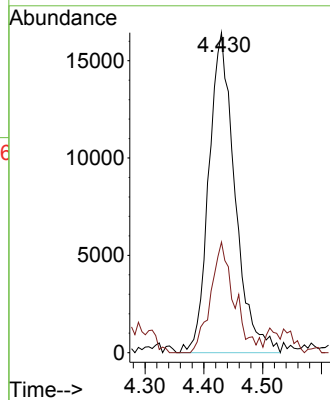
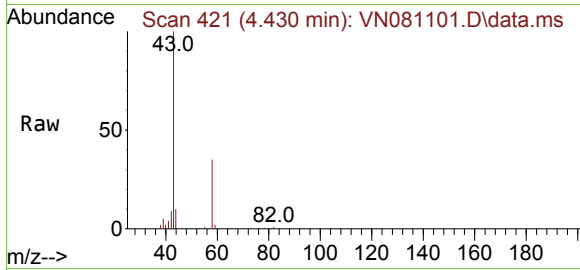
20240766-AMENDED-COMP-39N-N-3-01RE

Tgt Ion: 43 Resp: 50628

Ion Ratio Lower Upper

43 100

58 34.6 24.8 37.2



#17

Carbon Disulfide

Concen: 0.262 ug/l

RT: 4.706 min Scan# 468

Delta R.T. -0.006 min

Lab File: VN081101.D

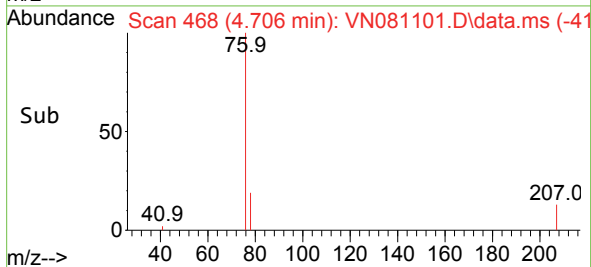
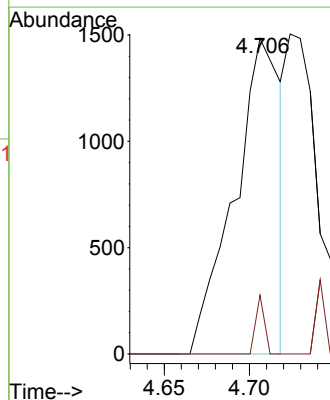
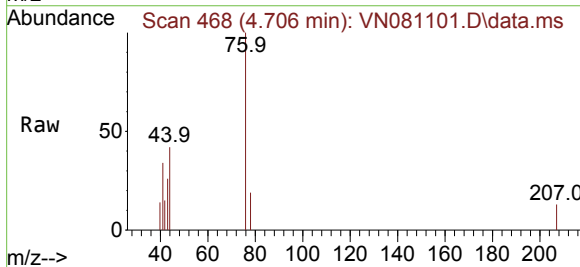
Acq: 20 Feb 2024 16:17

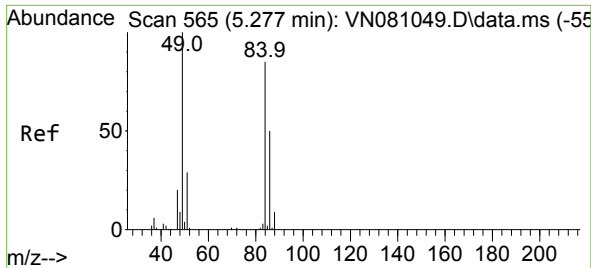
Tgt Ion: 76 Resp: 2776

Ion Ratio Lower Upper

76 100

78 18.6 6.3 9.5#

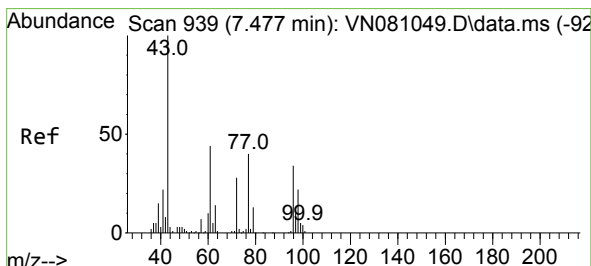
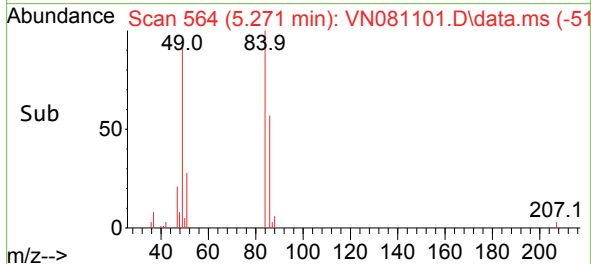
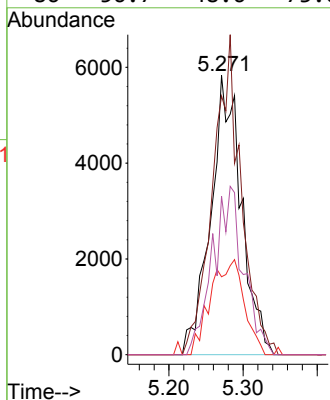
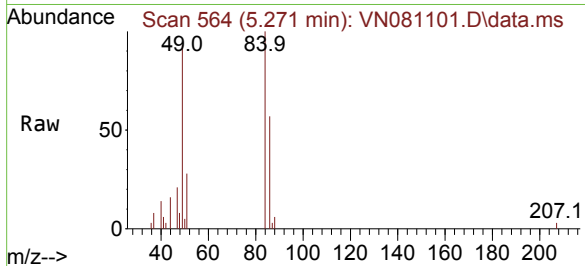




#20
Methylene Chloride
Concen: 3.123 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN081101.D
Acq: 20 Feb 2024 16:17

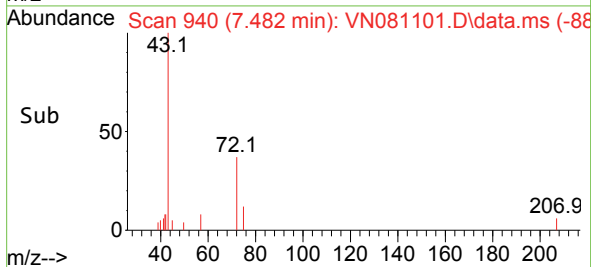
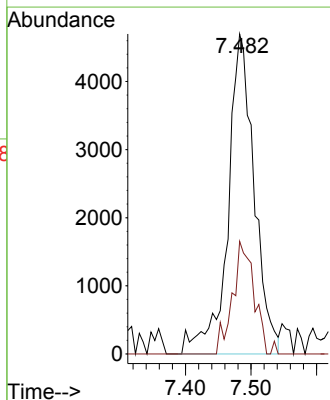
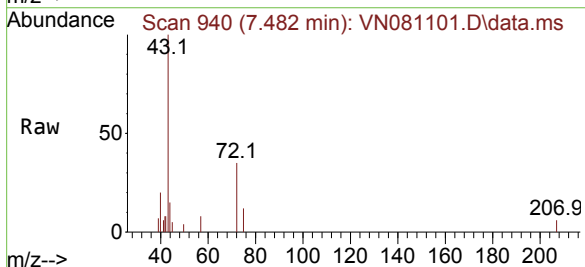
Instrument :
MSVOA_N
ClientSampleId :
20240766-AMENDED-COMP-39N-N-3-01RE

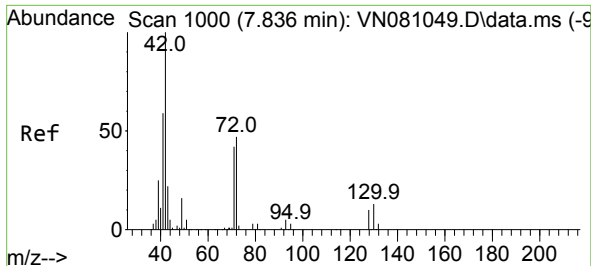
Tgt Ion:	84	Resp:	16715
Ion	Ratio	Lower	Upper
84	100		
49	92.7	108.1	162.1#
51	25.3	32.9	49.3#
86	56.7	48.6	73.0



#25
2-Butanone
Concen: 5.019 ug/l
RT: 7.482 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN081101.D
Acq: 20 Feb 2024 16:17

Tgt Ion:	43	Resp:	13116
Ion	Ratio	Lower	Upper
43	100		
72	35.2	19.5	29.3#





#29

Tetrahydrofuran

Concen: 0.796 ug/l

RT: 7.841 min Scan# 1000

Delta R.T. 0.006 min

Lab File: VN081101.D

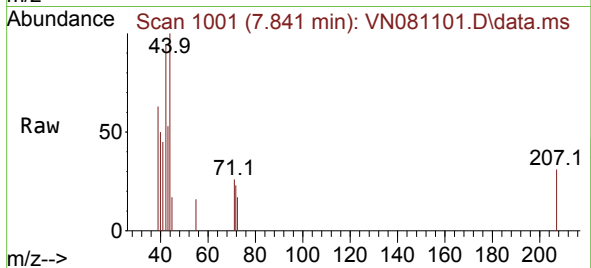
Acq: 20 Feb 2024 16:17

Instrument :

MSVOA_N

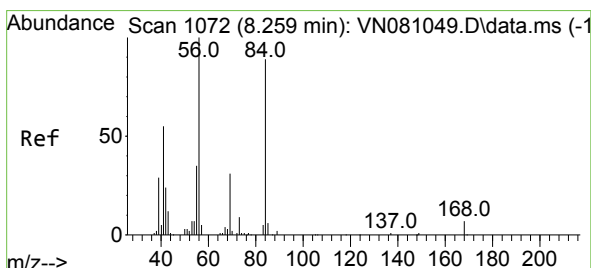
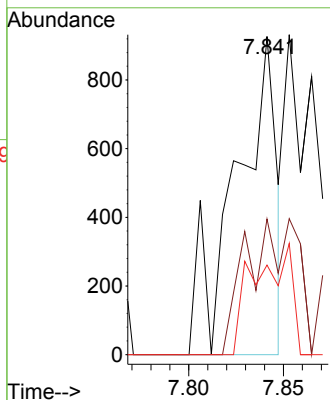
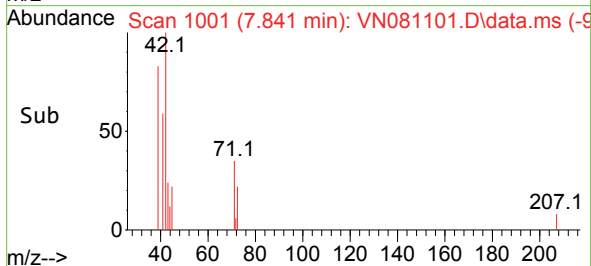
ClientSampleId :

20240766-AMENDED-COMP-39N-N-3-01RE



Tgt Ion: 42 Resp: 1388

Ion	Ratio	Lower	Upper
42	100		
72	40.2	31.1	46.7
71	32.1	28.3	42.5



#31

Cyclohexane

Concen: 1.296 ug/l

RT: 8.230 min Scan# 1067

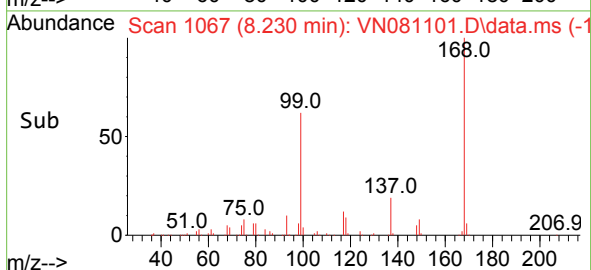
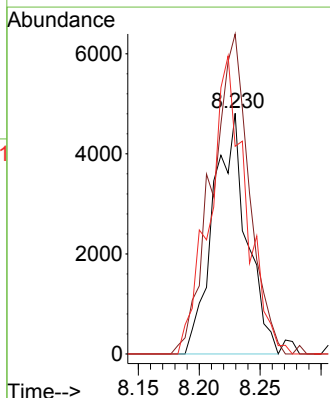
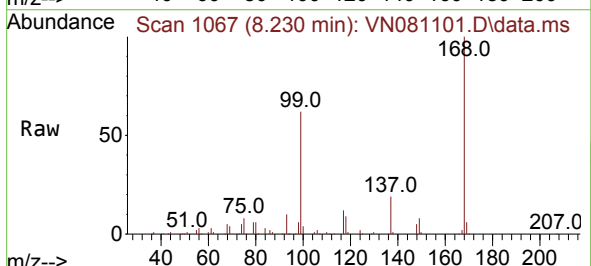
Delta R.T. -0.030 min

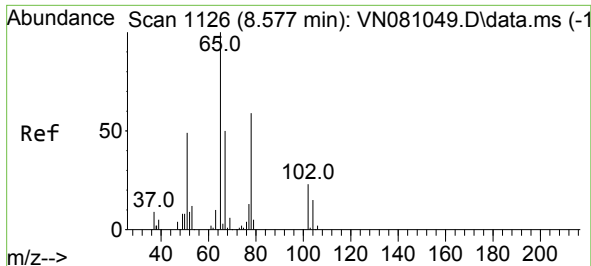
Lab File: VN081101.D

Acq: 20 Feb 2024 16:17

Tgt Ion: 56 Resp: 9203

Ion	Ratio	Lower	Upper
56	100		
69	129.4	20.1	30.1#
84	86.3	56.9	85.3#





#33

1,2-Dichloroethane-d4

Concen: 51.904 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN081101.D

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ClientSampleId :

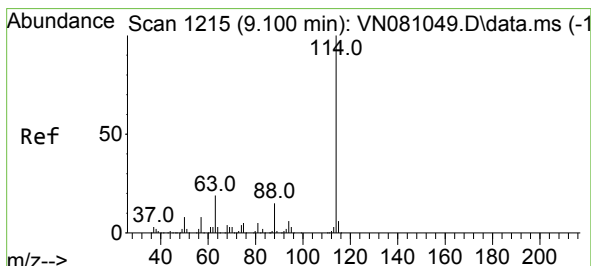
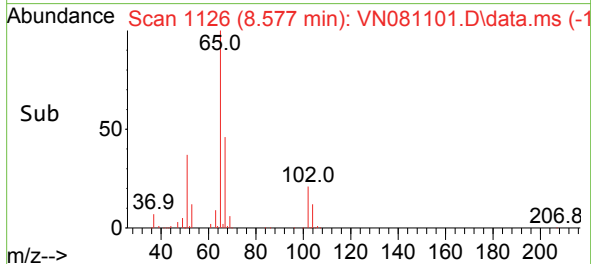
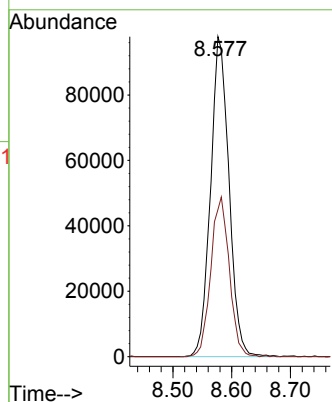
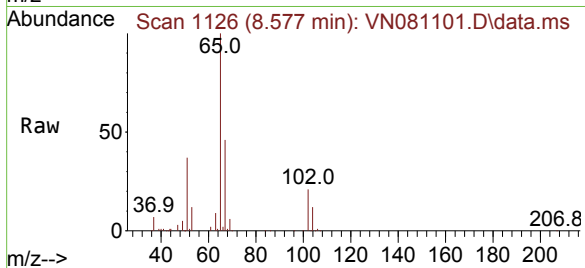
20240766-AMENDED-COMP-39N-N-3-01RE

Tgt Ion: 65 Resp: 213395

Ion Ratio Lower Upper

65 100

67 50.0 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: VN081101.D

Acq: 20 Feb 2024 16:17

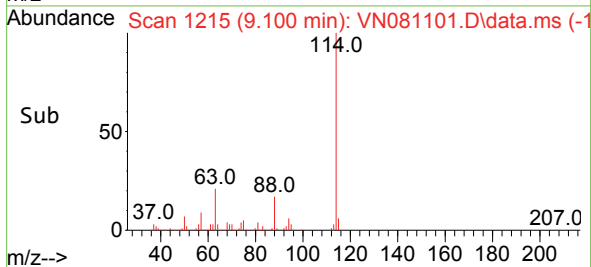
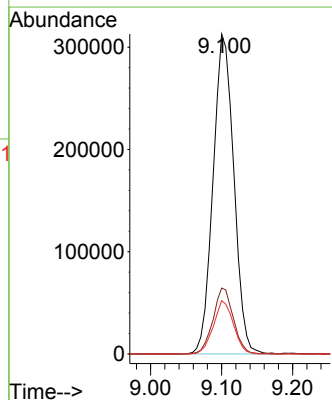
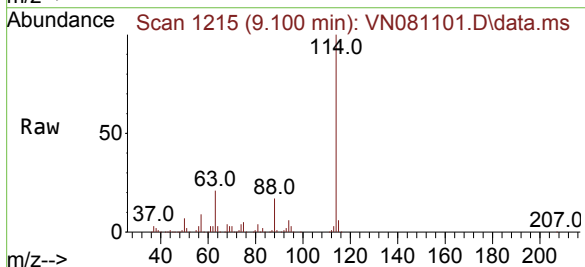
Tgt Ion: 114 Resp: 634705

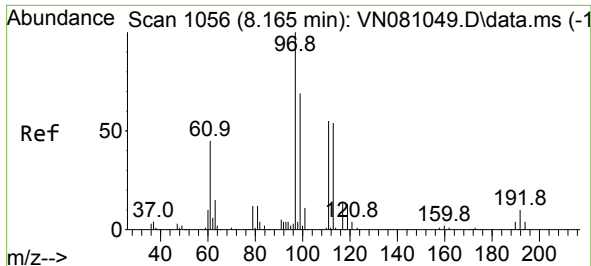
Ion Ratio Lower Upper

114 100

63 20.6 0.0 48.0

88 16.7 0.0 34.8

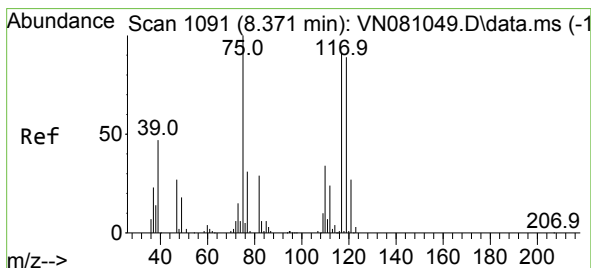
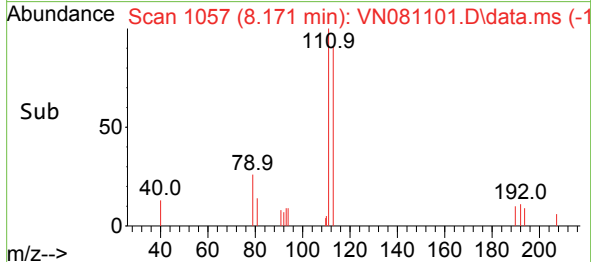
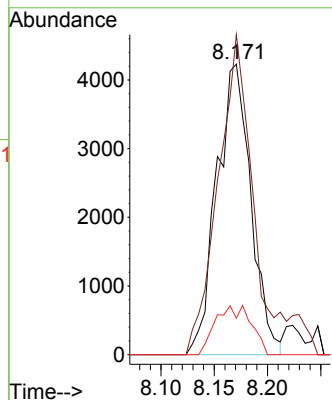
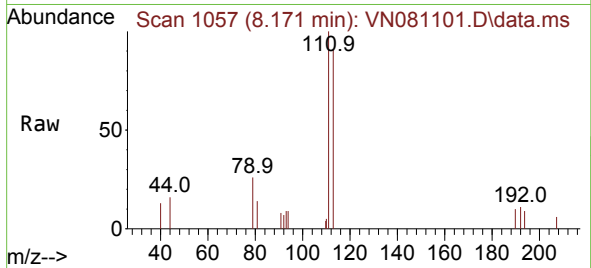




#35
Dibromofluoromethane
Concen: 2.643 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN081101.D
Acq: 20 Feb 2024 16:17

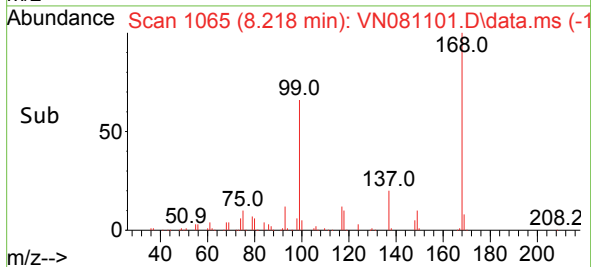
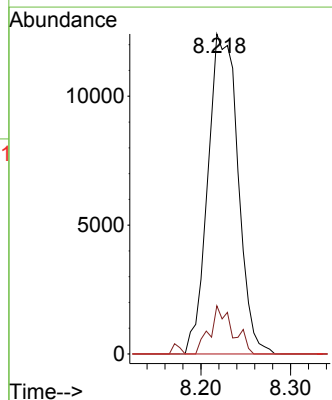
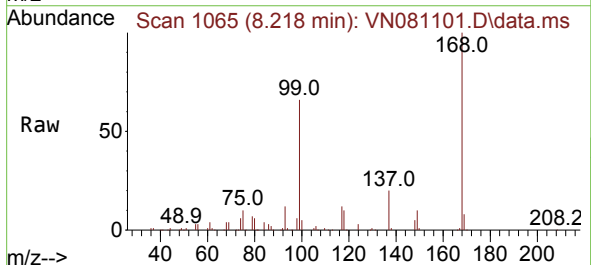
Instrument : MSVOA_N
ClientSampleId : 20240766-AMENDED-COMP-39N-N-3-01RE

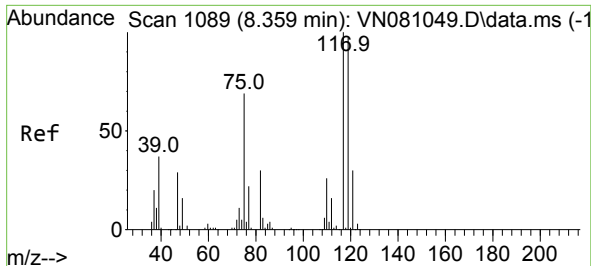
Tgt Ion:113 Resp: 9487
Ion Ratio Lower Upper
113 100
111 117.4 82.2 123.4
192 17.6 12.5 18.7



#36
1,1-Dichloropropene
Concen: 4.710 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN081101.D
Acq: 20 Feb 2024 16:17

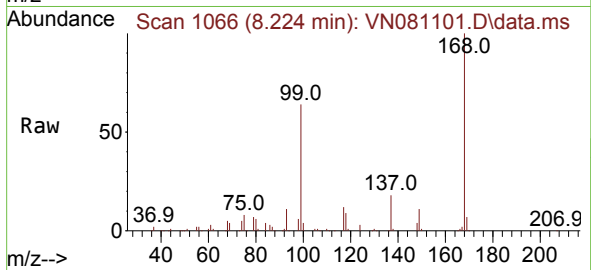
Tgt Ion: 75 Resp: 28958
Ion Ratio Lower Upper
75 100
110 11.4 16.0 48.0#
77 0.0 25.8 38.6#



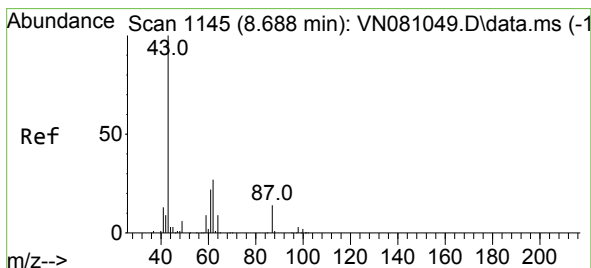
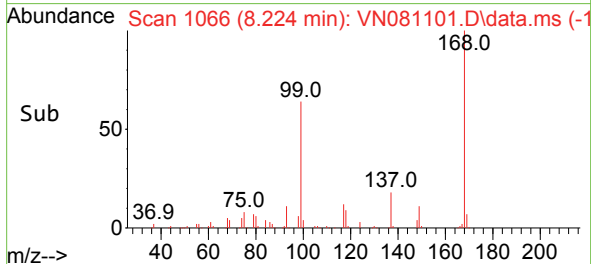
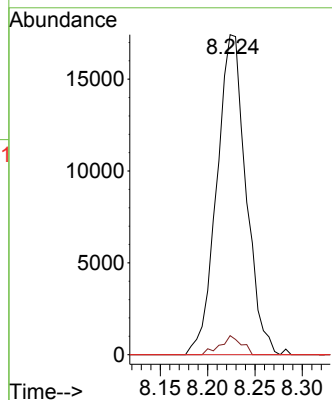


#38
Carbon Tetrachloride
Concen: 6.005 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN081101.D
Acq: 20 Feb 2024 16:17

Instrument : MSVOA_N
ClientSampleId : 20240766-AMENDED-COMP-39N-N-3-01RE

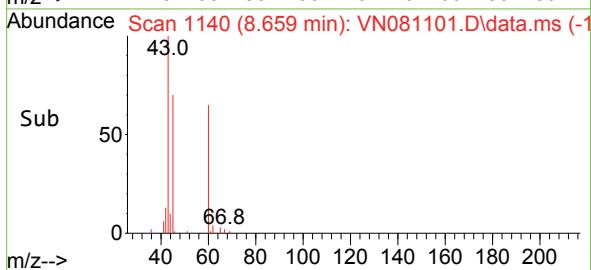
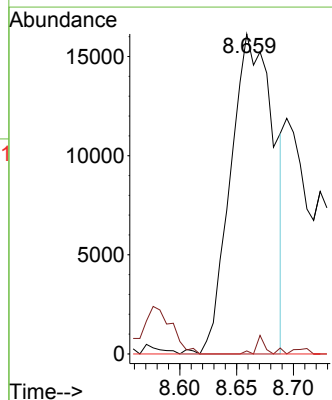
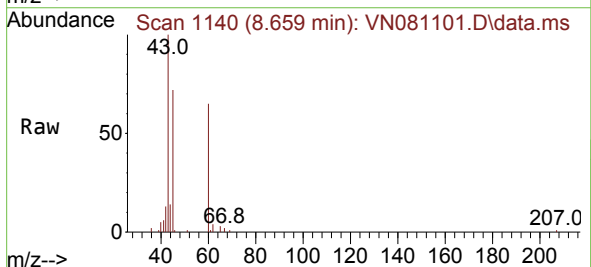


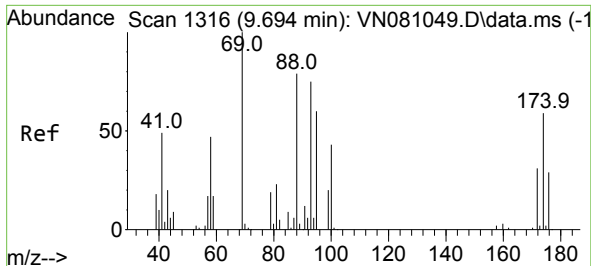
Tgt Ion:117 Resp: 37355
Ion Ratio Lower Upper
117 100
119 6.0 73.4 110.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 4.379 ug/l
RT: 8.659 min Scan# 1140
Delta R.T. -0.030 min
Lab File: VN081101.D
Acq: 20 Feb 2024 16:17

Tgt Ion: 43 Resp: 42504
Ion Ratio Lower Upper
43 100
61 1.1 19.9 29.9#
87 0.0 9.0 13.6#

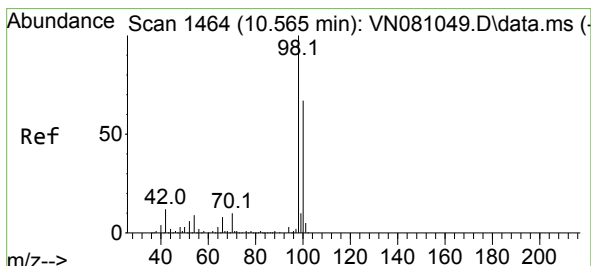
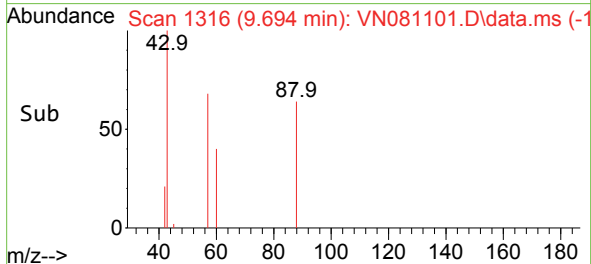
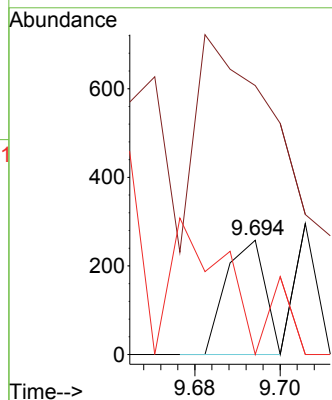
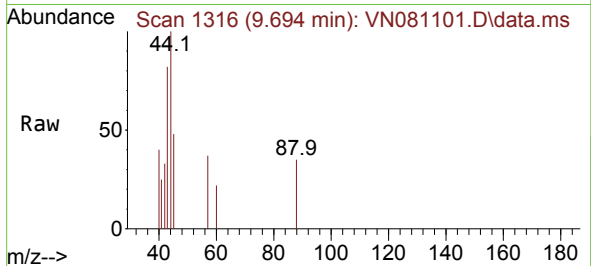




#49
1,4-Dioxane
Concen: Below Cal
RT: 9.694 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN081101.D
Acq: 20 Feb 2024 16:17

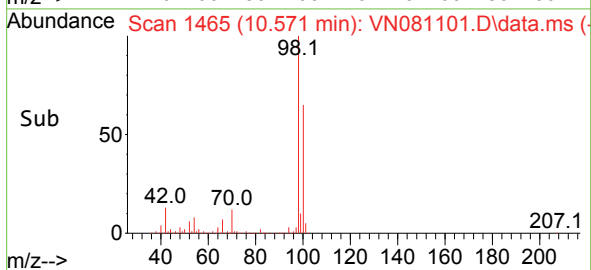
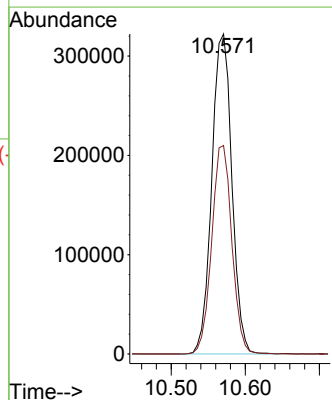
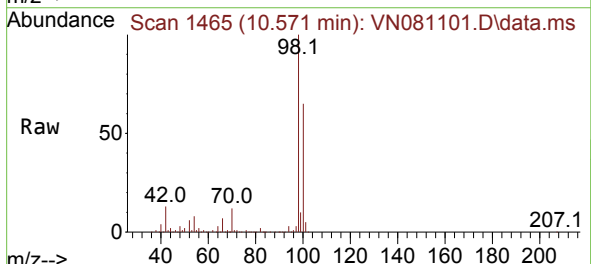
Instrument :
MSVOA_N
ClientSampleId :
20240766-AMENDED-COMP-39N-N-3-01RE

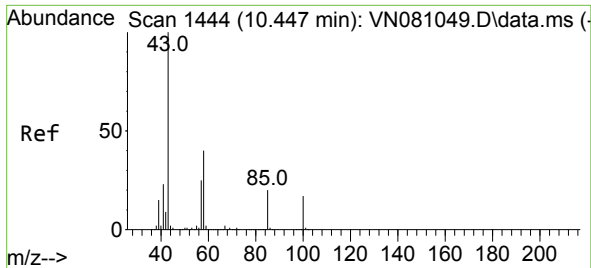
Tgt Ion: 88 Resp: 164
Ion Ratio Lower Upper
88 100
43 364.6 30.1 45.1#
58 0.0 63.9 95.9#



#50
Toluene-d8
Concen: 47.592 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081101.D
Acq: 20 Feb 2024 16:17

Tgt Ion: 98 Resp: 606678
Ion Ratio Lower Upper
98 100
100 65.3 51.4 77.0

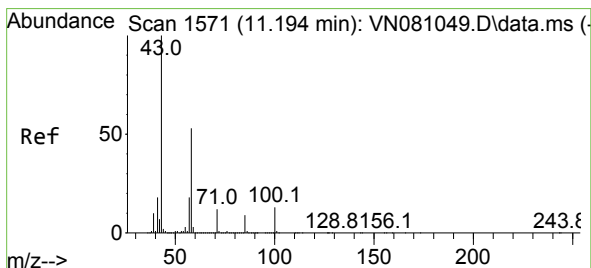
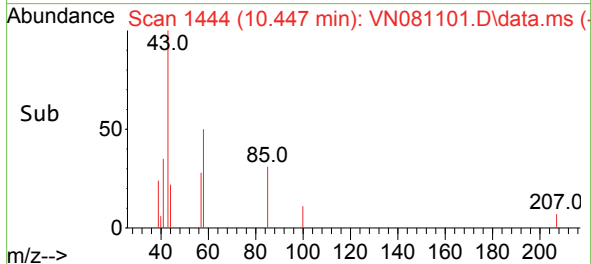
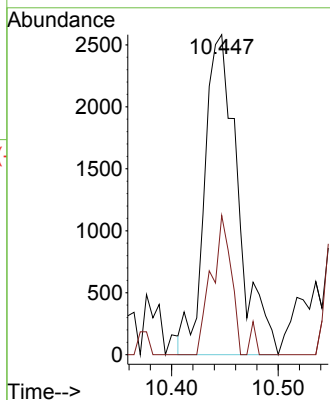
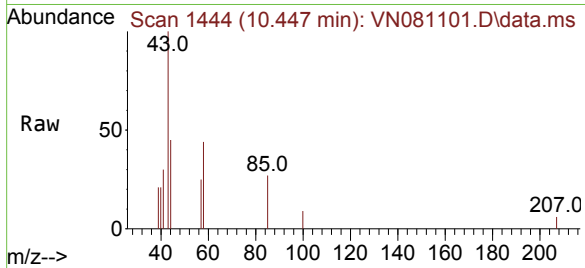




#51
4-Methyl-2-Pentanone
Concen: 1.004 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN081101.D
Acq: 20 Feb 2024 16:17

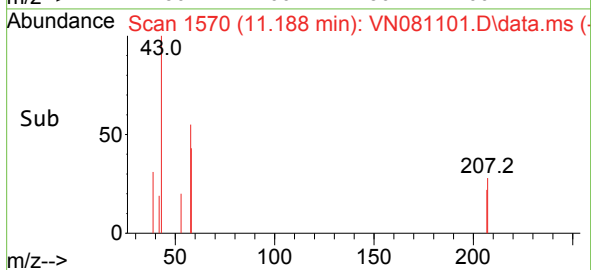
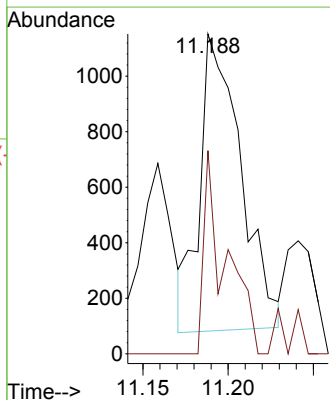
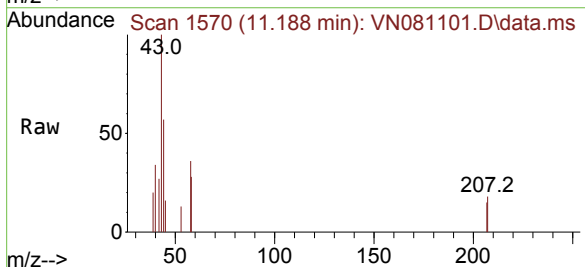
Instrument : MSVOA_N
ClientSampleId : 20240766-AMENDED-COMP-39N-N-3-01RE

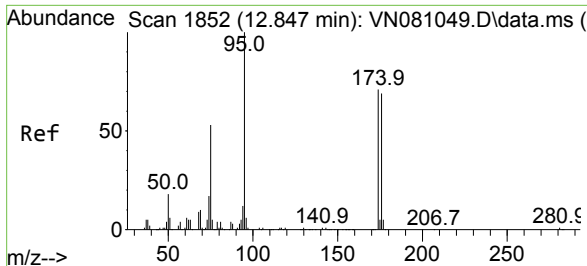
Tgt Ion: 43 Resp: 5607
Ion Ratio Lower Upper
43 100
58 25.5 29.4 44.0#



#59
2-Hexanone
Concen: 0.405 ug/l
RT: 11.188 min Scan# 1570
Delta R.T. -0.006 min
Lab File: VN081101.D
Acq: 20 Feb 2024 16:17

Tgt Ion: 43 Resp: 1791
Ion Ratio Lower Upper
43 100
58 36.3 25.9 77.8

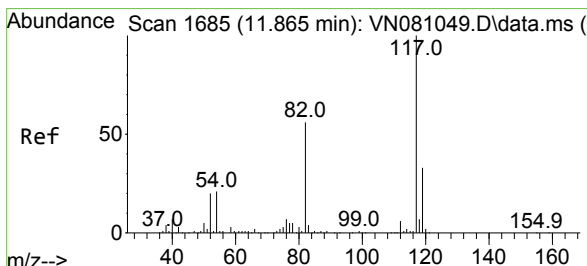
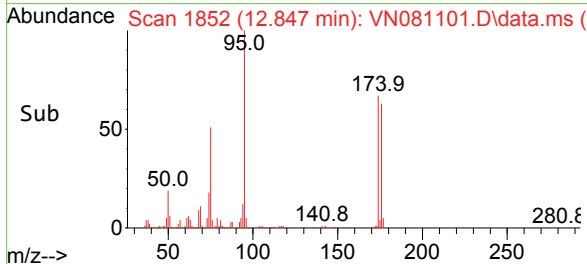
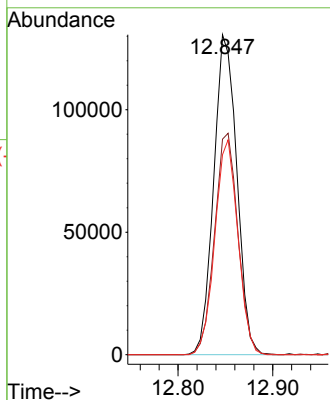
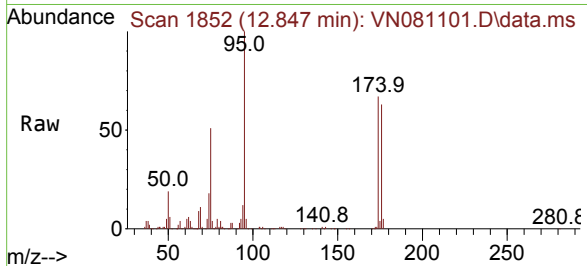




#62
4-Bromofluorobenzene
Concen: 46.209 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN081101.D
Acq: 20 Feb 2024 16:17

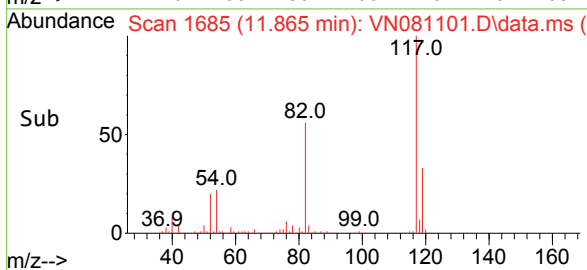
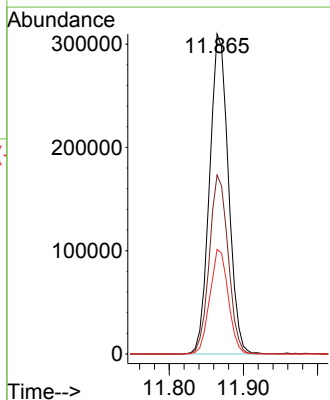
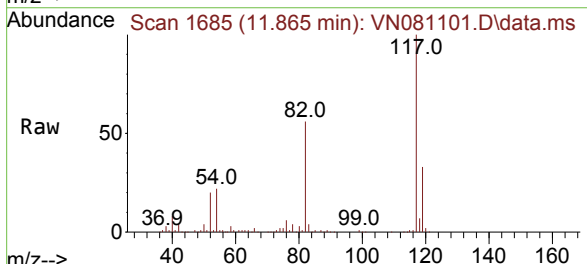
Instrument : MSVOA_N
ClientSampleId : 20240766-AMENDED-COMP-39N-N-3-01RE

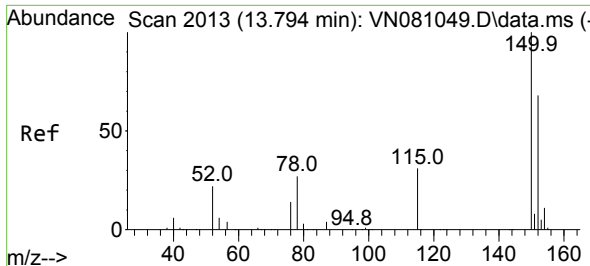
Tgt Ion:	95	Resp:	221334
Ion Ratio	Lower	Upper	
95	100		
174	70.3	0.0	120.4
176	66.9	0.0	121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN081101.D
Acq: 20 Feb 2024 16:17

Tgt Ion:	117	Resp:	545883
Ion Ratio	Lower	Upper	
117	100		
82	55.9	52.7	79.1
119	32.7	25.3	37.9

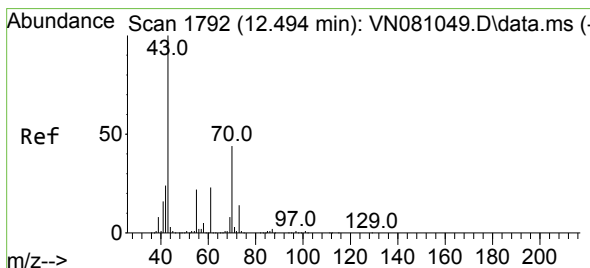
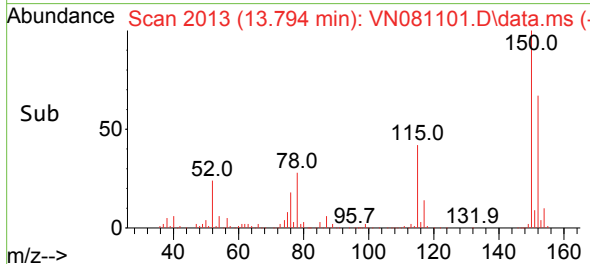
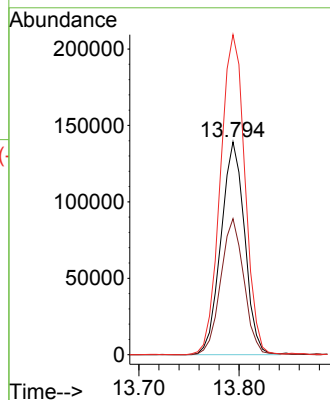
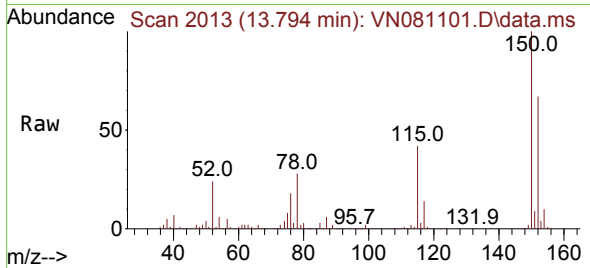




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN081101.D
Acq: 20 Feb 2024 16:17

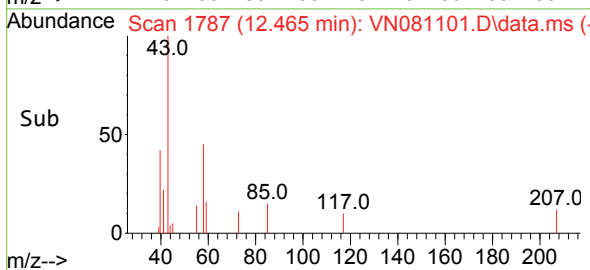
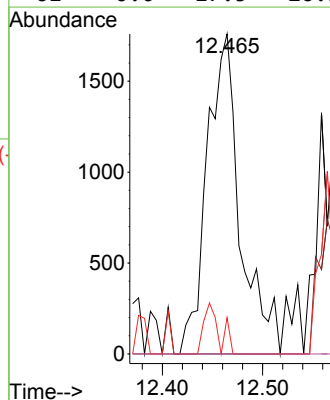
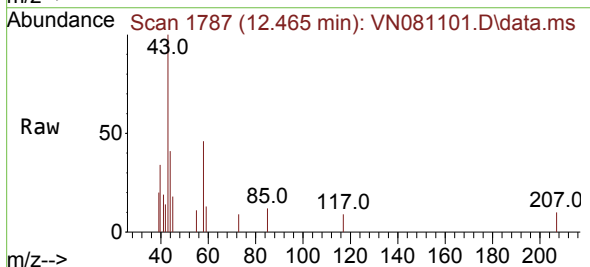
Instrument :
MSVOA_N
ClientSampleId :
20240766-AMENDED-COMP-39N-N-3-01RE

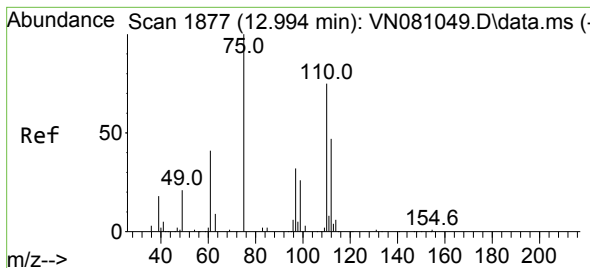
Tgt Ion:152 Resp: 227798
Ion Ratio Lower Upper
152 100
115 62.8 32.3 96.8
150 156.4 0.0 339.8



#74
N-ethyl acetate
Concen: 0.479 ug/l
RT: 12.465 min Scan# 1787
Delta R.T. -0.030 min
Lab File: VN081101.D
Acq: 20 Feb 2024 16:17

Tgt Ion: 43 Resp: 4038
Ion Ratio Lower Upper
43 100
70 0.0 30.1 45.1#
55 7.5 17.0 25.4#
61 0.0 17.5 26.3#





#76

1,2,3-Trichloropropane

Concen: 22.732 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN081101.D

Acq: 20 Feb 2024 16:17

Instrument :

MSVOA_N

ClientSampleId :

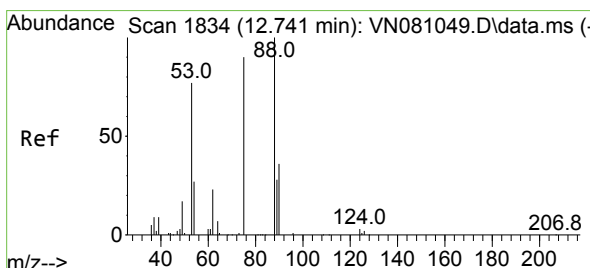
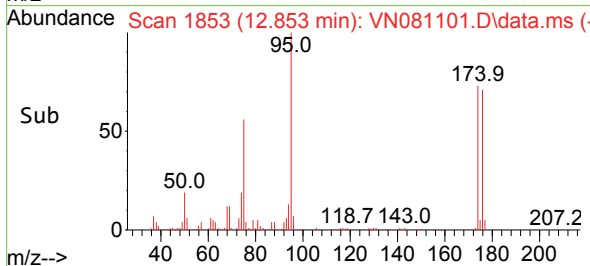
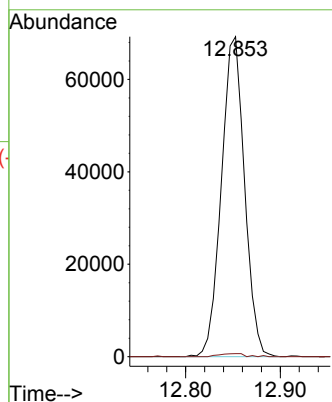
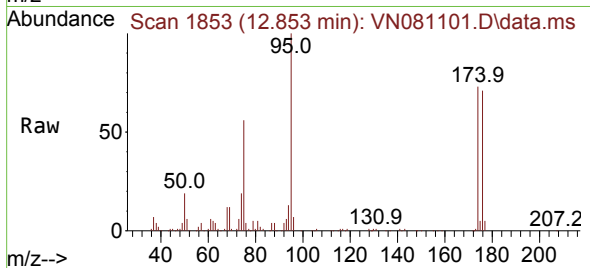
20240766-AMENDED-COMP-39N-N-3-01RE

Tgt Ion: 75 Resp: 117657

Ion Ratio Lower Upper

75 100

77 1.1 91.0 272.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.512 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN081101.D

Acq: 20 Feb 2024 16:17

Tgt Ion: 75 Resp: 117657

Ion Ratio Lower Upper

75 100

53 0.0 71.4 107.2#

89 0.1 33.4 50.0#

