

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022024\
 Data File : VN081099.D
 Acq On : 20 Feb 2024 15:29
 Operator : JC\MD
 Sample : P1524-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Feb 21 00:20:59 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)

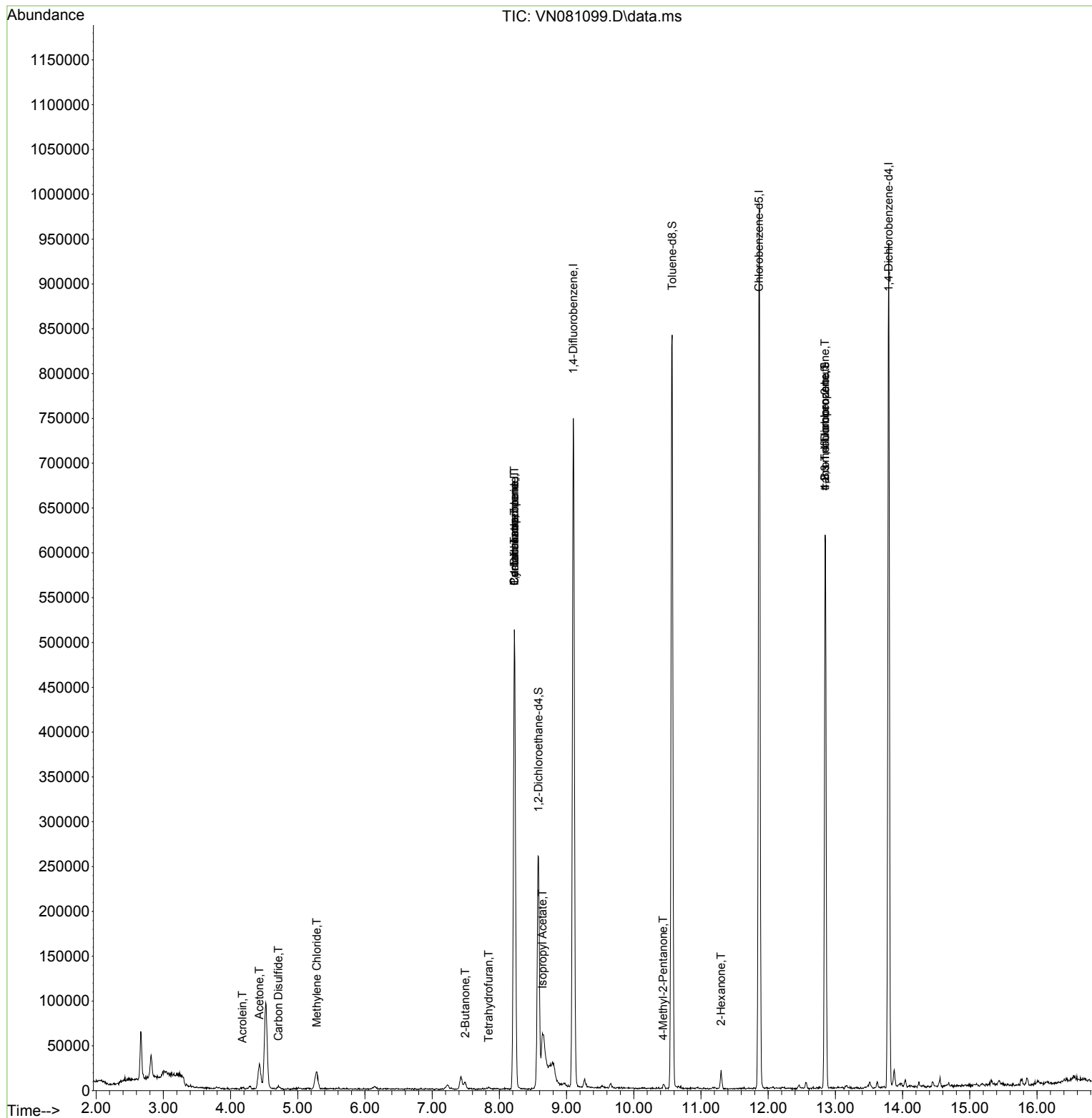
Internal Standards						
1) Pentafluorobenzene	8.224	168	353565	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	667245	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	564462	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	241770	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	212893	49.125	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.240%		
35) Dibromofluoromethane	8.165	113	61	0.016	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.040%#		
50) Toluene-d8	10.571	98	597392	44.578	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.160%		
62) 4-Bromofluorobenzene	12.847	95	221298	43.948	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.900%		
Target Compounds						Qvalue
3) Chloromethane	2.359	50	1342	Below Cal	#	45
6) Chloroethane	3.142	64	499	Below Cal	#	64
13) Acrolein	4.177	56	1458	3.413	ug/l #	15
16) Acetone	4.430	43	53966	31.647	ug/l	93
17) Carbon Disulfide	4.712	76	5091	0.456	ug/l #	95
20) Methylene Chloride	5.283	84	15614	2.659	ug/l #	81
25) 2-Butanone	7.494	43	12643	4.589	ug/l #	89
29) Tetrahydrofuran	7.841	42	769	0.418	ug/l #	86
31) Cyclohexane	8.224	56	10040	1.342	ug/l #	14
36) 1,1-Dichloropropene	8.224	75	31758	4.913	ug/l #	51
38) Carbon Tetrachloride	8.224	117	41178	6.296	ug/l #	16
43) Isopropyl Acetate	8.641	43	34744	3.405	ug/l #	59
49) 1,4-Dioxane	9.706	88	236	Below Cal	#	18
51) 4-Methyl-2-Pentanone	10.435	43	3412	0.581	ug/l #	80
59) 2-Hexanone	11.300	43	3700	0.795	ug/l	67
76) 1,2,3-Trichloropropane	12.847	75	117680	21.423	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	117680	55.141	ug/l #	14

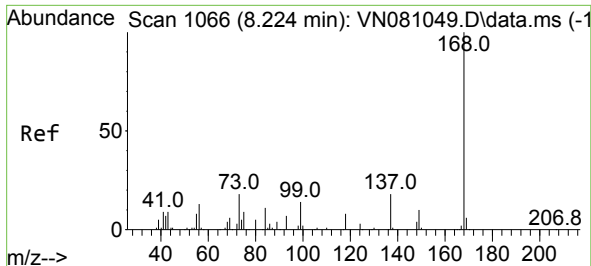
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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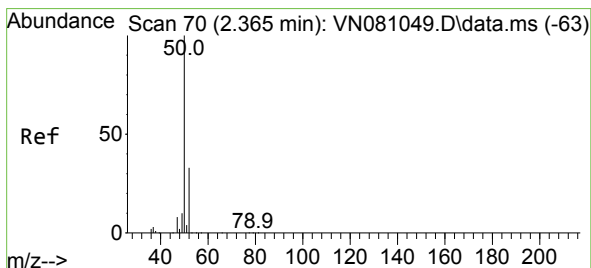
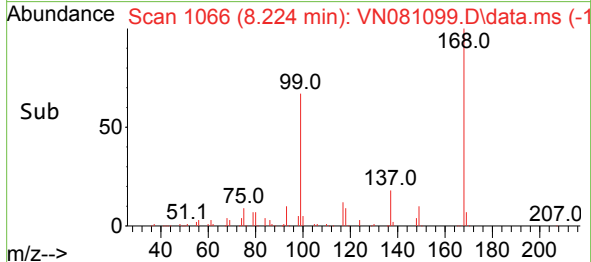
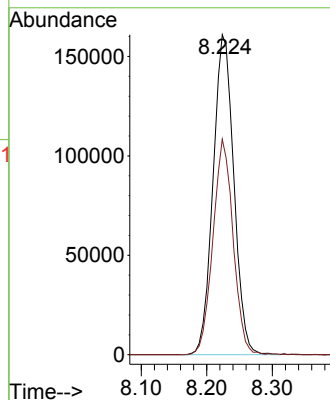
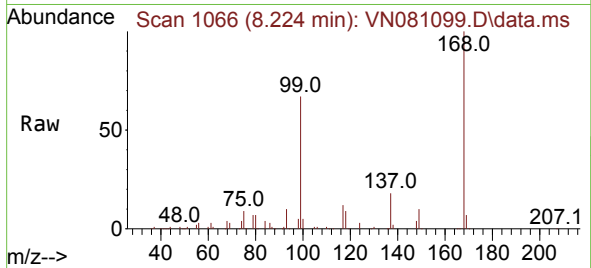




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN081099.D
Acq: 20 Feb 2024 15:29

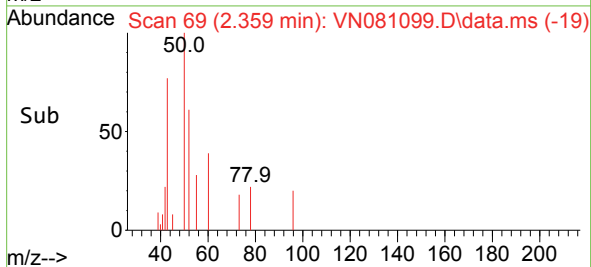
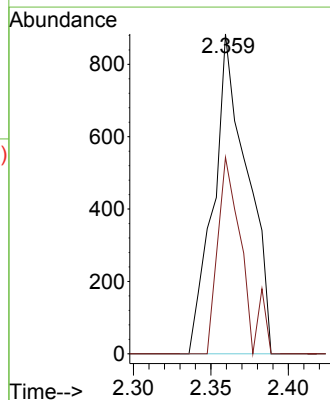
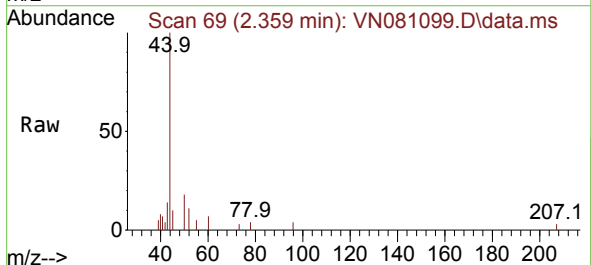
Instrument :
MSVOA_N
ClientSampleId :
20240767-AMENDED-COMP-39N-N-3-02

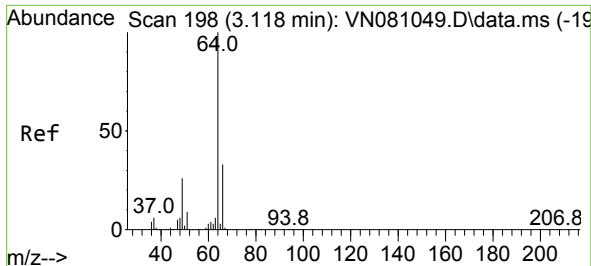
Tgt Ion:168 Resp: 353565
Ion Ratio Lower Upper
168 100
99 67.4 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. -0.006 min
Lab File: VN081099.D
Acq: 20 Feb 2024 15:29

Tgt Ion: 50 Resp: 1342
Ion Ratio Lower Upper
50 100
52 61.4 25.0 37.4#

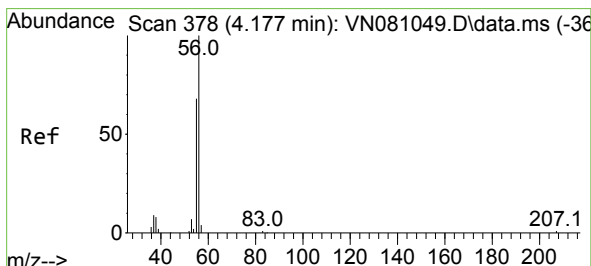
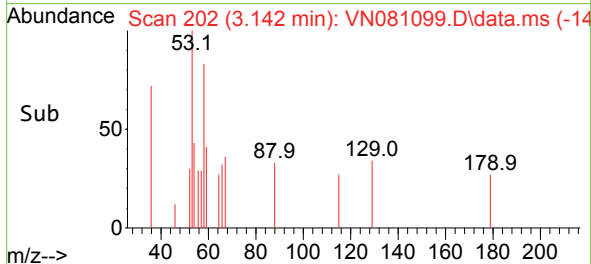
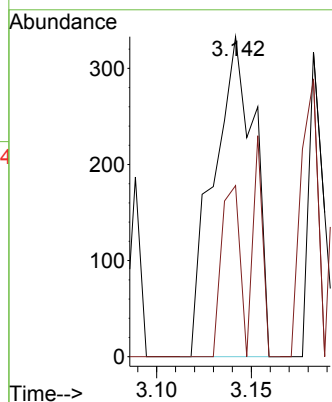
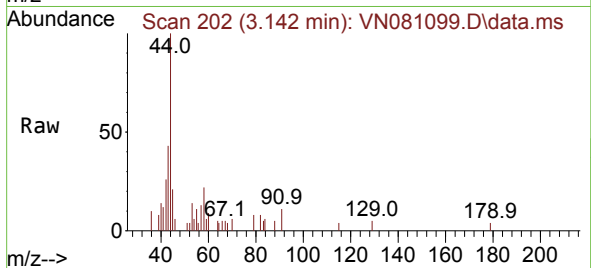




#6
Chloroethane
Concen: Below Cal
RT: 3.142 min Scan# 202
Delta R.T. 0.024 min
Lab File: VN081099.D
Acq: 20 Feb 2024 15:29

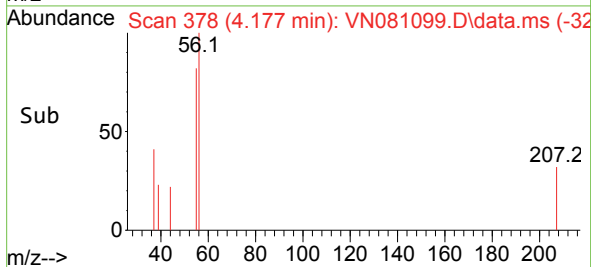
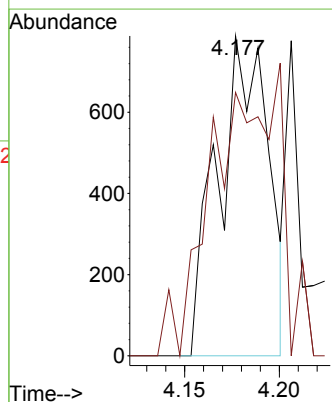
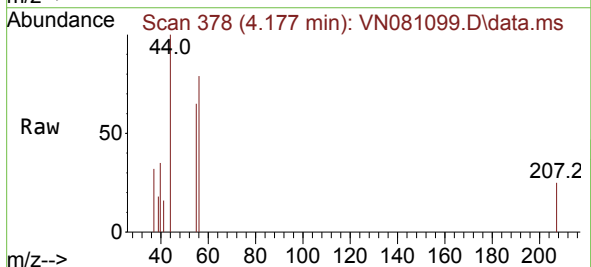
Instrument :
MSVOA_N
ClientSampleId :
20240767-AMENDED-COMP-39N-N-3-02

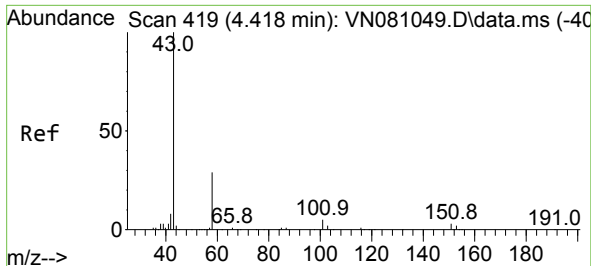
Tgt Ion: 64 Resp: 499
Ion Ratio Lower Upper
64 100
66 53.5 26.4 39.6#



#13
Acrolein
Concen: 3.413 ug/l
RT: 4.177 min Scan# 378
Delta R.T. -0.000 min
Lab File: VN081099.D
Acq: 20 Feb 2024 15:29

Tgt Ion: 56 Resp: 1458
Ion Ratio Lower Upper
56 100
55 0.0 55.3 82.9#

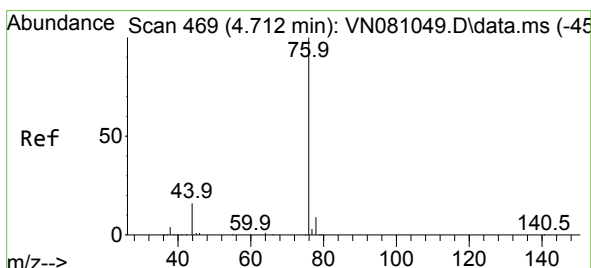
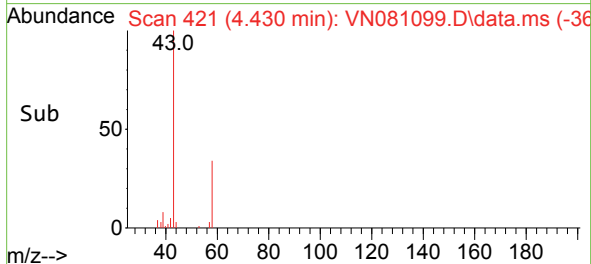
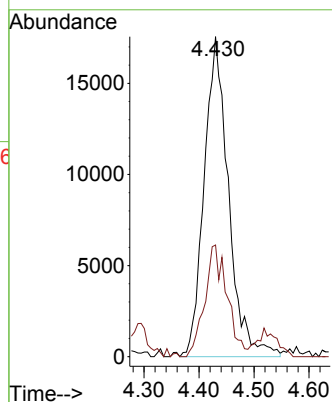
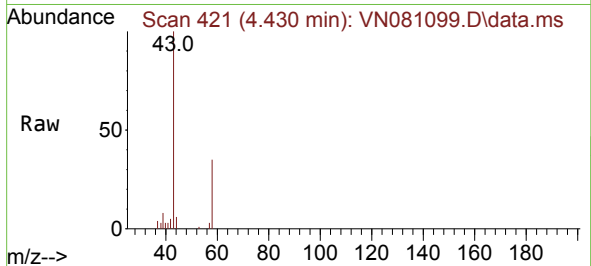




#16
Acetone
Concen: 31.647 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN081099.D
Acq: 20 Feb 2024 15:29

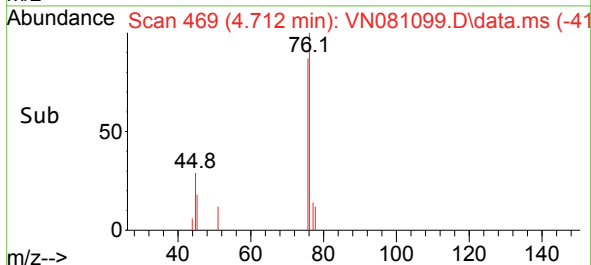
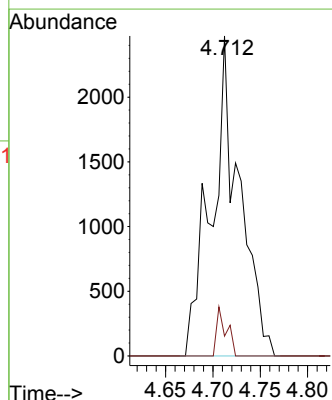
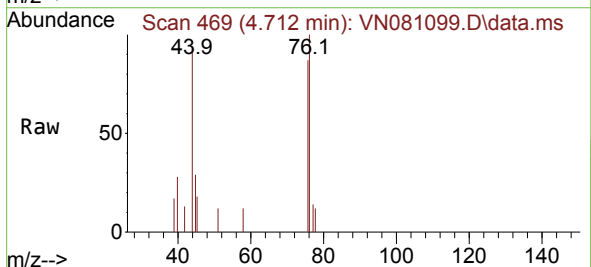
Instrument :
MSVOA_N
ClientSampleId :
20240767-AMENDED-COMP-39N-N-3-02

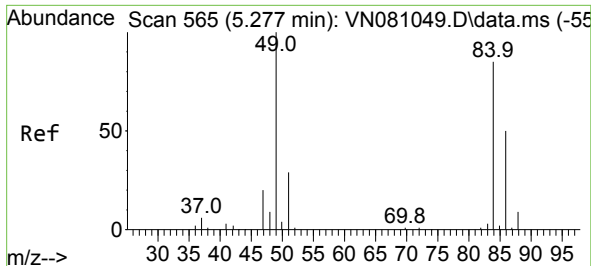
Tgt Ion: 43 Resp: 53966
Ion Ratio Lower Upper
43 100
58 34.9 24.8 37.2



#17
Carbon Disulfide
Concen: 0.456 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.000 min
Lab File: VN081099.D
Acq: 20 Feb 2024 15:29

Tgt Ion: 76 Resp: 5091
Ion Ratio Lower Upper
76 100
78 6.2 6.3 9.5#

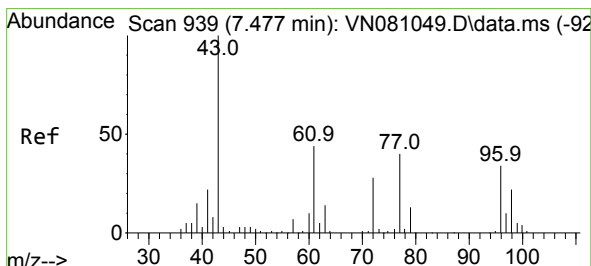
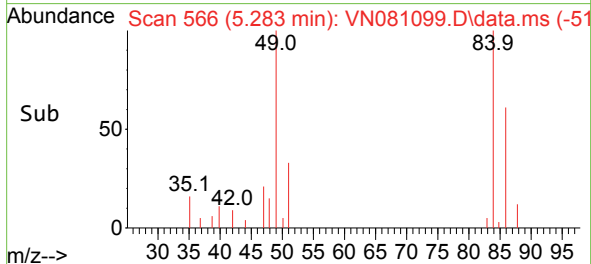
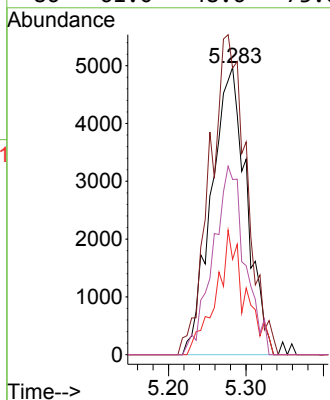
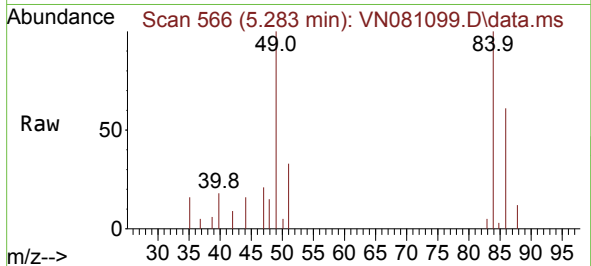




#20
Methylene Chloride
Concen: 2.659 ug/l
RT: 5.283 min Scan# 511
Delta R.T. 0.006 min
Lab File: VN081099.D
Acq: 20 Feb 2024 15:29

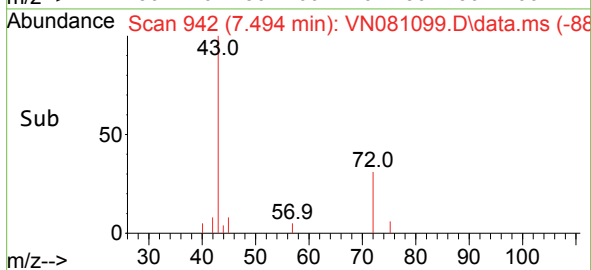
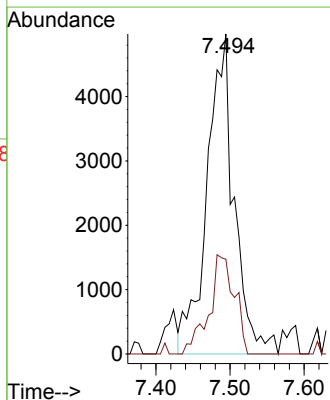
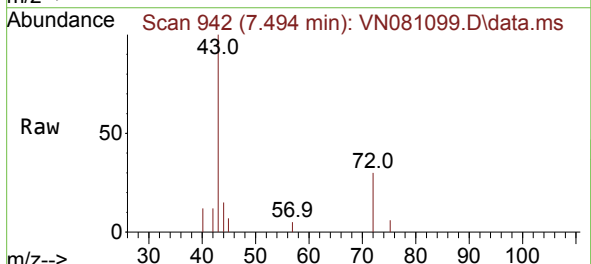
Instrument :
MSVOA_N
ClientSampleId :
20240767-AMENDED-COMP-39N-N-3-02

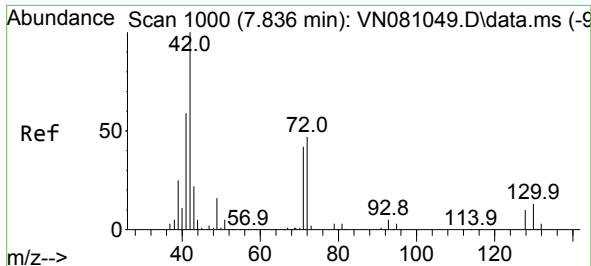
Tgt Ion: 84	Resp: 15614
Ion Ratio	Lower Upper
84	100
49	99.7 108.1 162.1#
51	33.2 32.9 49.3
86	61.0 48.6 73.0



#25
2-Butanone
Concen: 4.589 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.018 min
Lab File: VN081099.D
Acq: 20 Feb 2024 15:29

Tgt Ion: 43	Resp: 12643
Ion Ratio	Lower Upper
43	100
72	29.6 19.5 29.3#

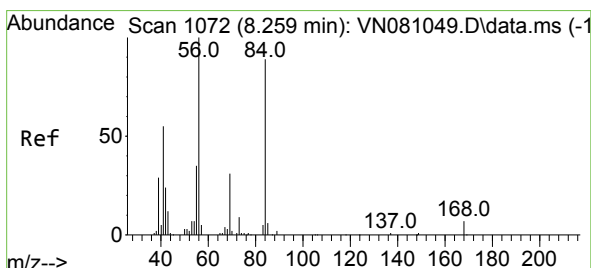
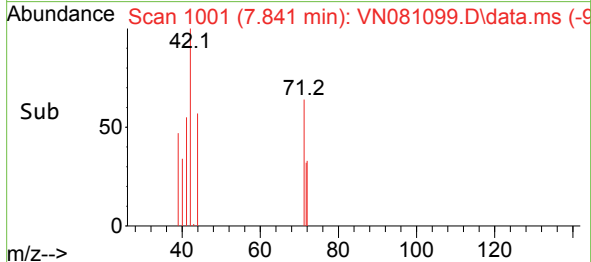
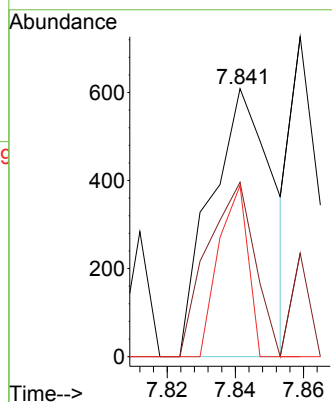
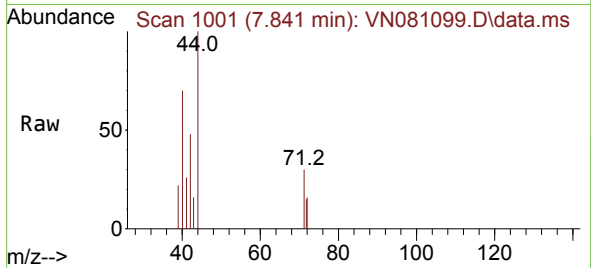




#29
Tetrahydrofuran
Concen: 0.418 ug/l
RT: 7.841 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN081099.D
Acq: 20 Feb 2024 15:29

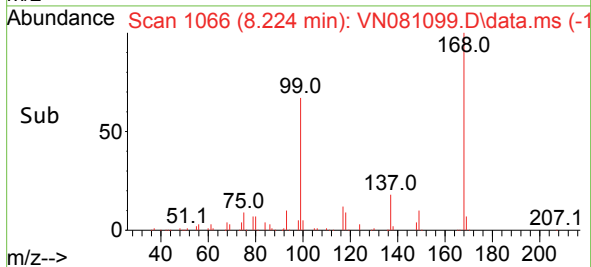
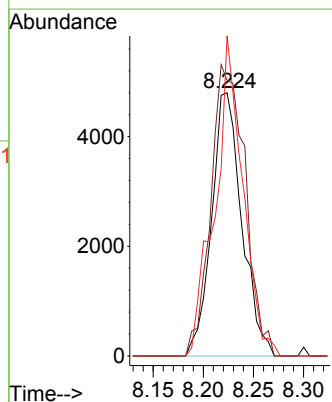
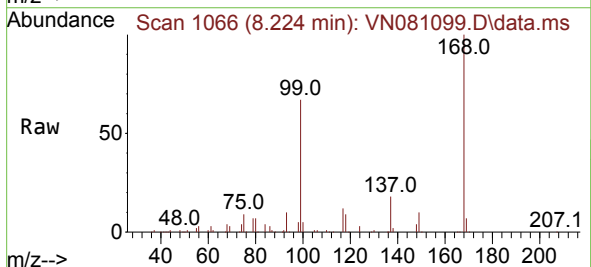
Instrument :
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20240767-AMENDED-COMP-39N-N-3-02

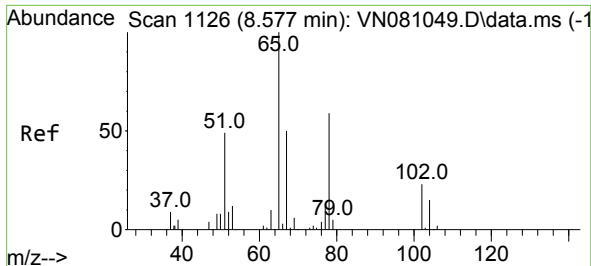
Tgt Ion: 42 Resp: 769
Ion Ratio Lower Upper
42 100
72 49.9 31.1 46.7#
71 30.3 28.3 42.5



#31
Cyclohexane
Concen: 1.342 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081099.D
Acq: 20 Feb 2024 15:29

Tgt Ion: 56 Resp: 10040
Ion Ratio Lower Upper
56 100
69 104.7 20.1 30.1#
84 121.6 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 49.125 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN081099.D

Acq: 20 Feb 2024 15:29

Instrument :

MSVOA_N

ClientSampleId :

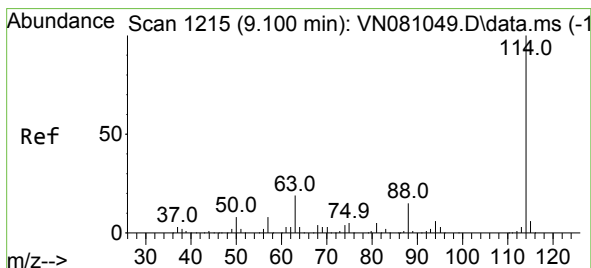
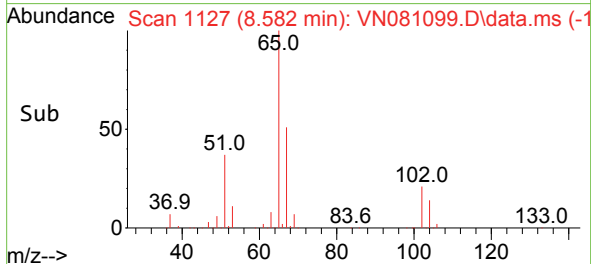
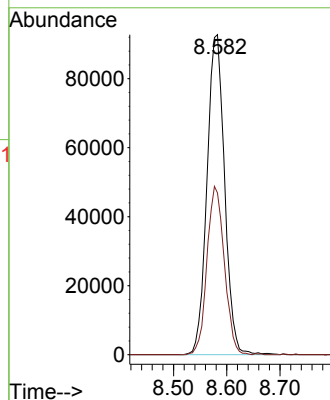
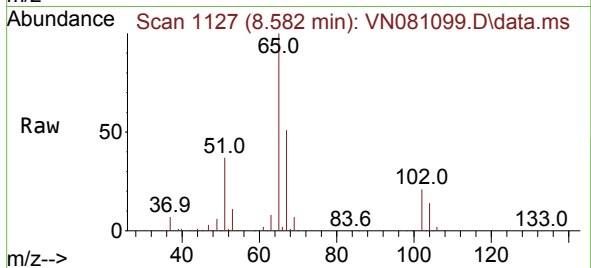
20240767-AMENDED-COMP-39N-N-3-02

Tgt Ion: 65 Resp: 212893

Ion Ratio Lower Upper

65 100

67 51.8 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: VN081099.D

Acq: 20 Feb 2024 15:29

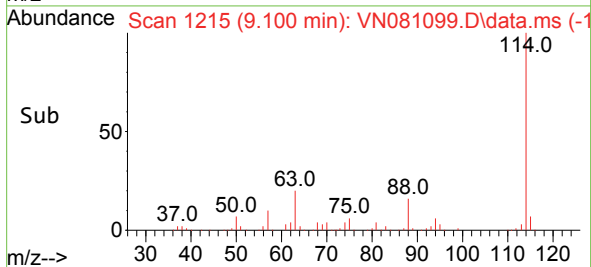
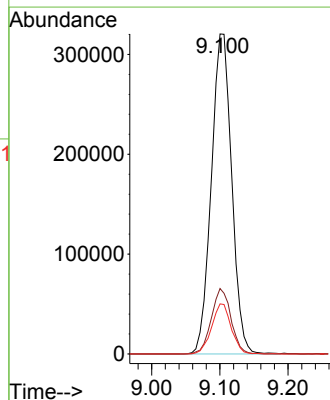
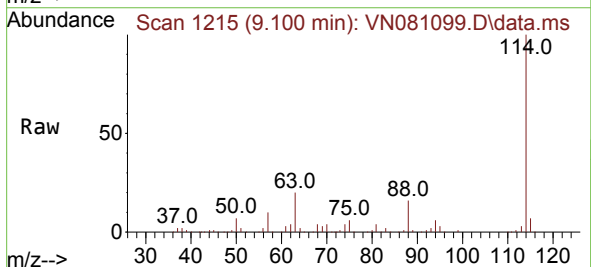
Tgt Ion: 114 Resp: 667245

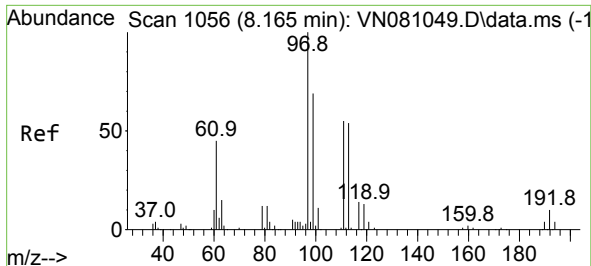
Ion Ratio Lower Upper

114 100

63 20.5 0.0 48.0

88 15.7 0.0 34.8

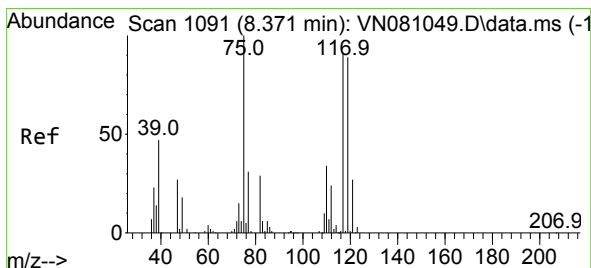
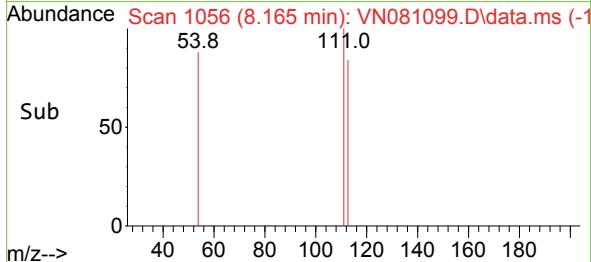
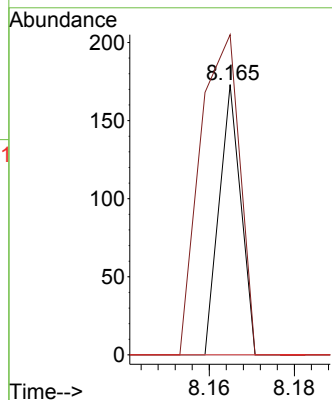
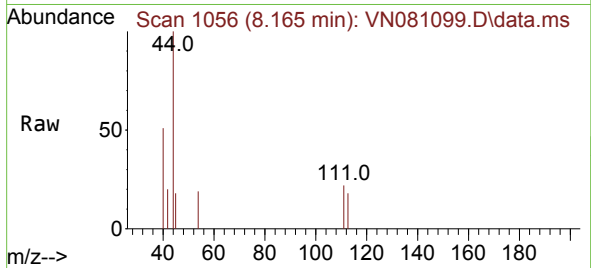




#35
Dibromofluoromethane
Concen: 0.016 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN081099.D
Acq: 20 Feb 2024 15:29

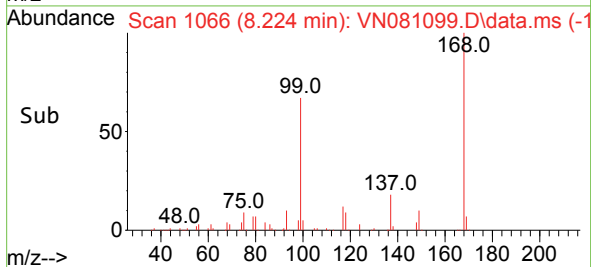
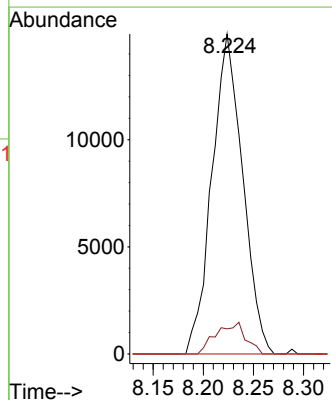
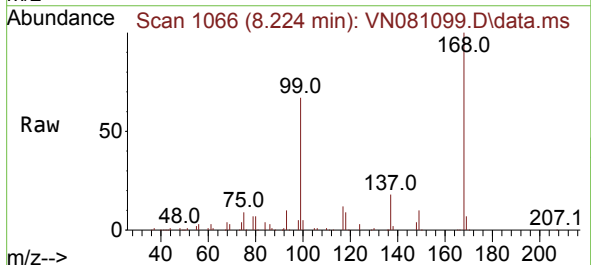
Instrument : MSVOA_N
ClientSampleId : 20240767-AMENDED-COMP-39N-N-3-02

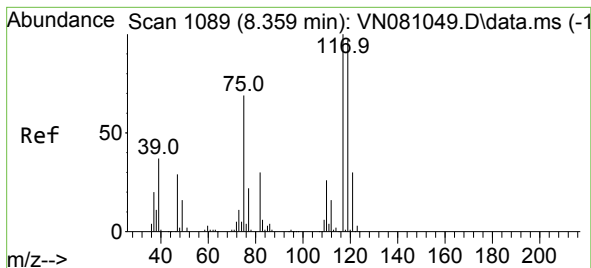
Tgt Ion:113 Resp: 61
Ion Ratio Lower Upper
113 100
111 216.4 82.2 123.4#
192 0.0 12.5 18.7#



#36
1,1-Dichloropropene
Concen: 4.913 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081099.D
Acq: 20 Feb 2024 15:29

Tgt Ion: 75 Resp: 31758
Ion Ratio Lower Upper
75 100
110 9.5 16.0 48.0#
77 0.0 25.8 38.6#





#38

Carbon Tetrachloride

Concen: 6.296 ug/l

RT: 8.224 min Scan# 1107

Delta R.T. -0.135 min

Lab File: VN081099.D

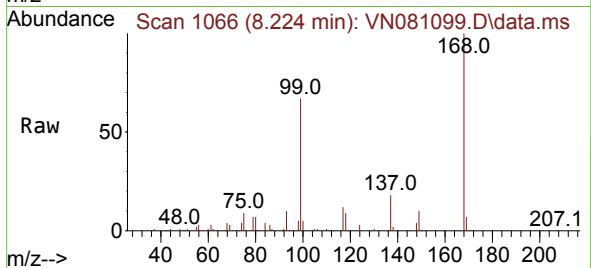
Acq: 20 Feb 2024 15:29

Instrument :

MSVOA_N

ClientSampleId :

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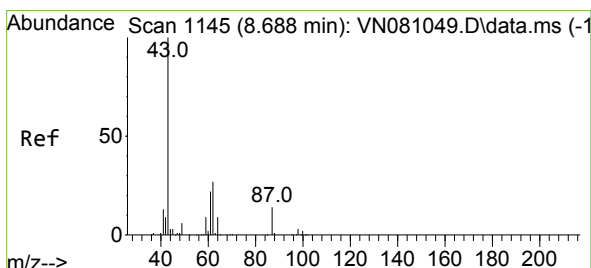
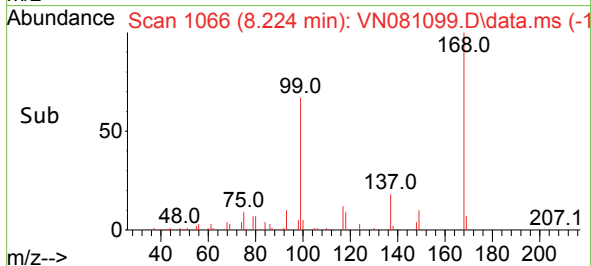
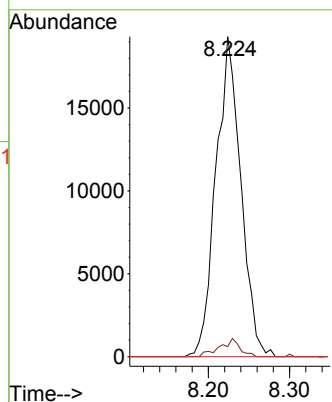
Tgt Ion:117 Resp: 41178

Ion Ratio Lower Upper

117 100

119 3.1 73.4 110.2#

121 0.0 24.4 36.6#



#43

Isopropyl Acetate

Concen: 3.405 ug/l

RT: 8.641 min Scan# 1137

Delta R.T. -0.047 min

Lab File: VN081099.D

Acq: 20 Feb 2024 15:29

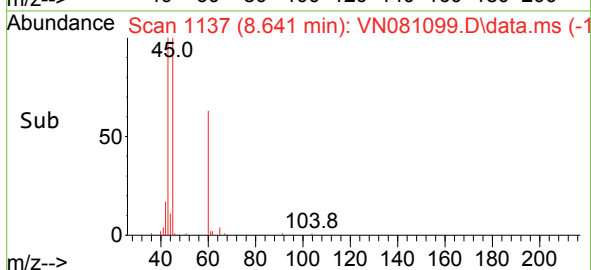
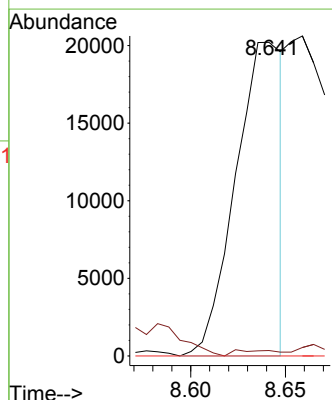
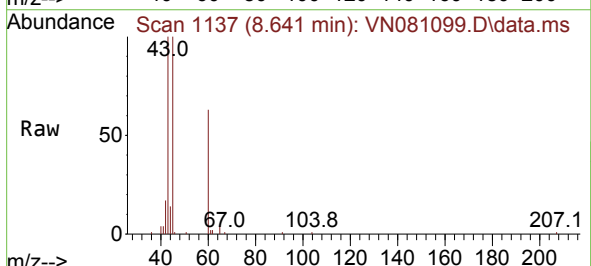
Tgt Ion: 43 Resp: 34744

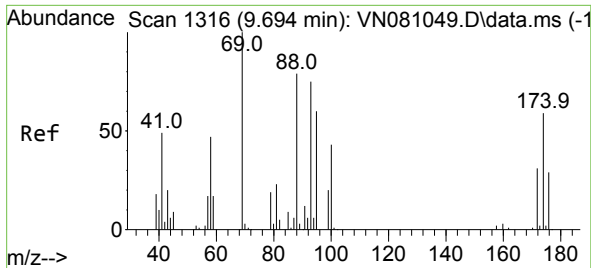
Ion Ratio Lower Upper

43 100

61 1.6 19.9 29.9#

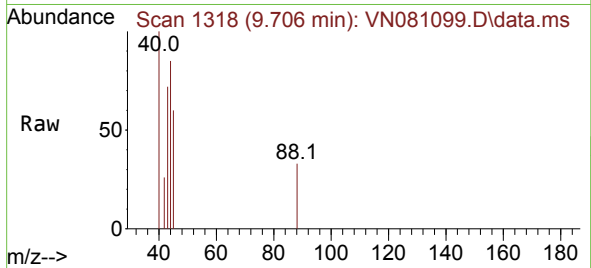
87 0.0 9.0 13.6#



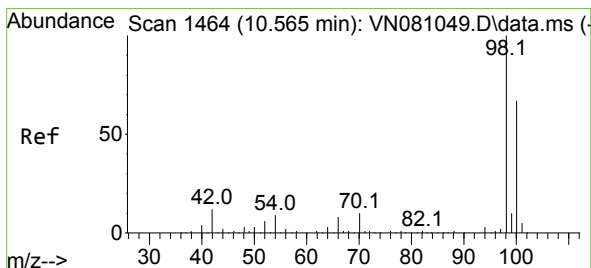
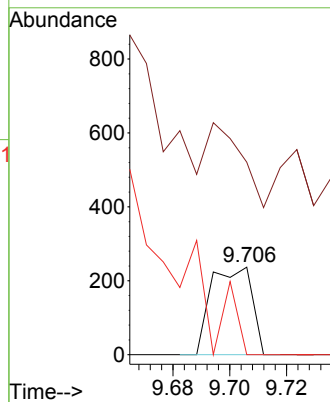
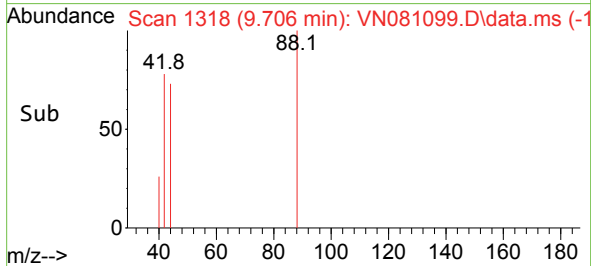


#49
1,4-Dioxane
Concen: Below Cal
RT: 9.706 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN081099.D
Acq: 20 Feb 2024 15:29

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

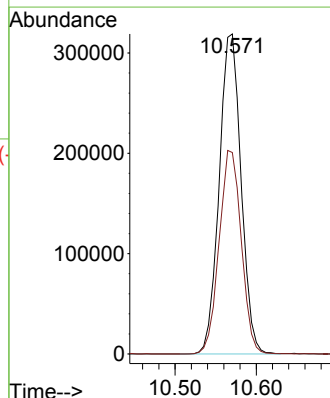
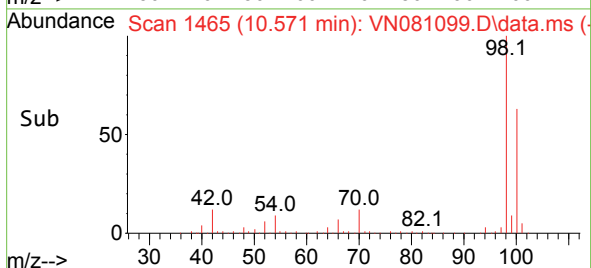
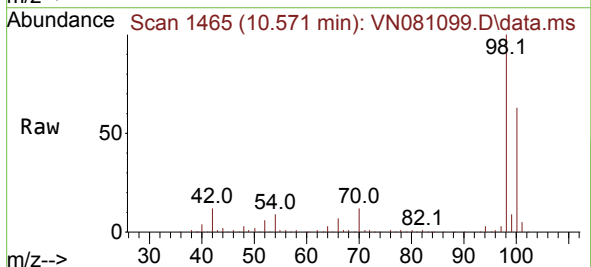


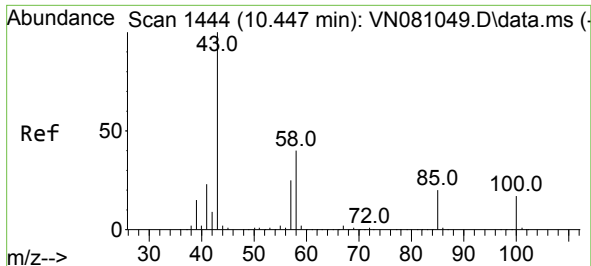
Tgt Ion: 88 Resp: 236
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 0.0 63.9 95.9#



#50
Toluene-d8
Concen: 44.578 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081099.D
Acq: 20 Feb 2024 15:29

Tgt Ion: 98 Resp: 597392
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 0.581 ug/l

RT: 10.435 min Scan# 1442

Delta R.T. -0.012 min

Lab File: VN081099.D

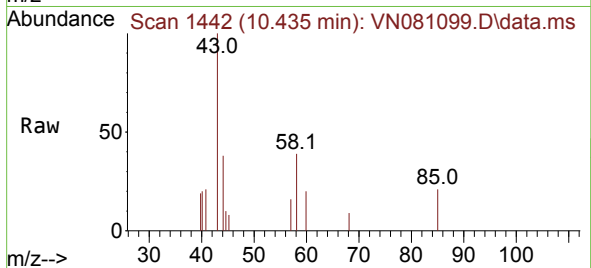
Acq: 20 Feb 2024 15:29

Instrument :

MSVOA_N

ClientSampleId :

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

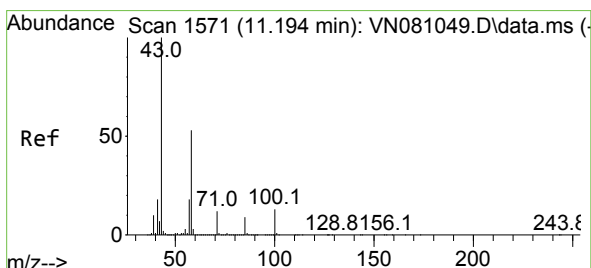
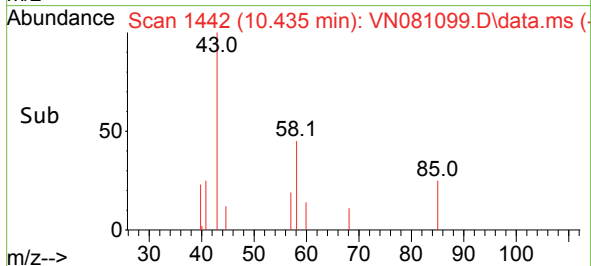
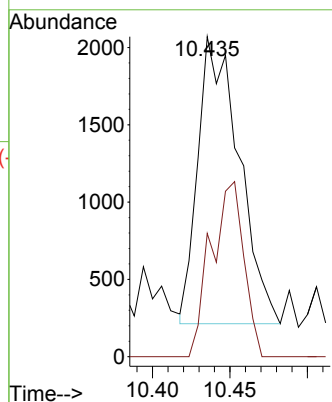


Tgt Ion: 43 Resp: 3412

Ion Ratio Lower Upper

43 100

58 48.7 29.4 44.0#



#59

2-Hexanone

Concen: 0.795 ug/l

RT: 11.300 min Scan# 1589

Delta R.T. 0.106 min

Lab File: VN081099.D

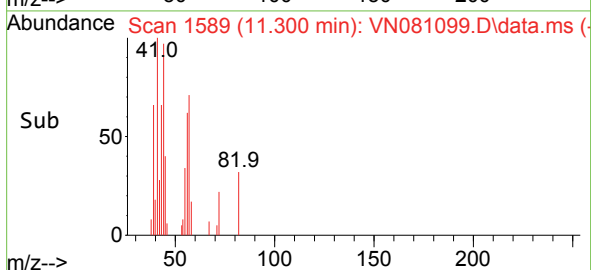
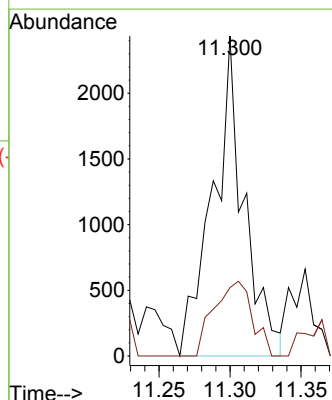
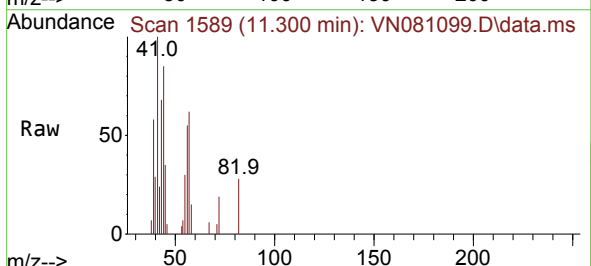
Acq: 20 Feb 2024 15:29

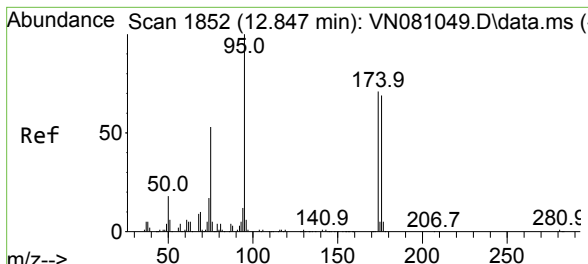
Tgt Ion: 43 Resp: 3700

Ion Ratio Lower Upper

43 100

58 28.9 25.9 77.8

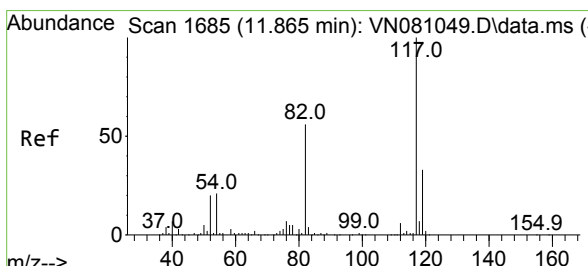
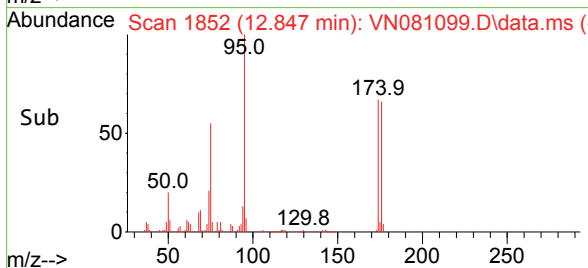
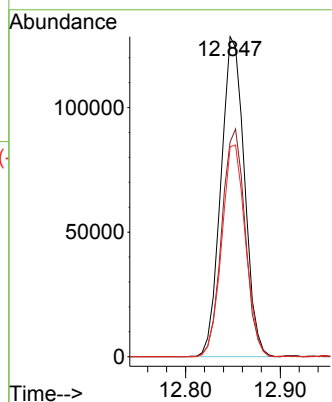
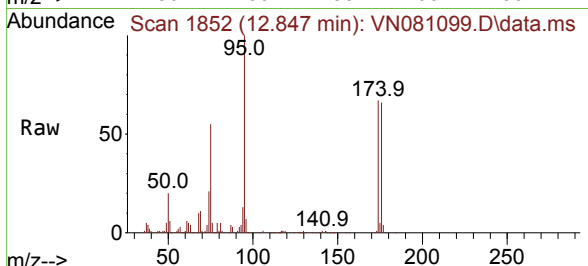




#62
 4-Bromofluorobenzene
 Concen: 43.948 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.000 min
 Lab File: VN081099.D
 Acq: 20 Feb 2024 15:29

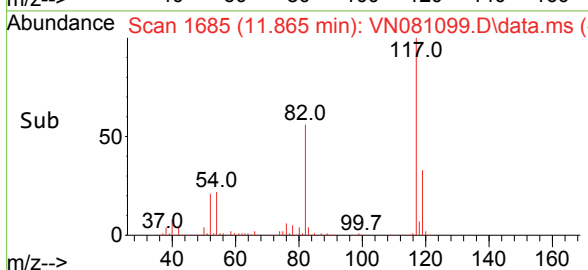
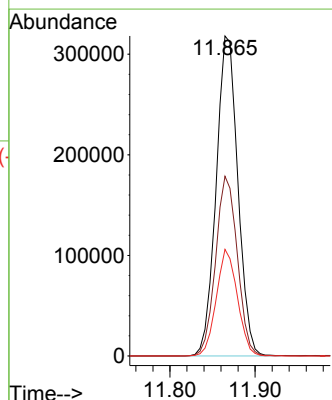
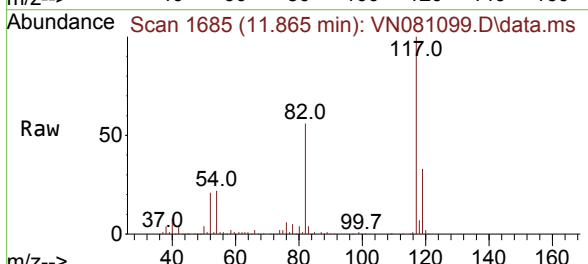
Instrument : MSVOA_N
 ClientSampleId : 20240767-AMENDED-COMP-39N-N-3-02

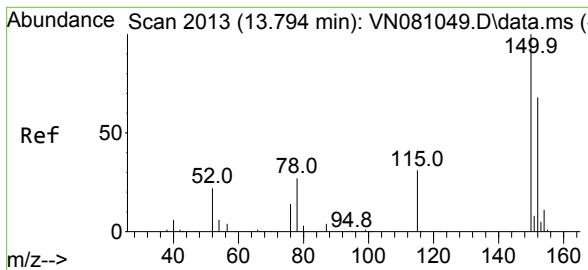
Tgt Ion:	95	Resp:	221298
Ion	Ratio	Lower	Upper
95	100		
174	70.7	0.0	120.4
176	66.8	0.0	121.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.865 min Scan# 1685
 Delta R.T. -0.000 min
 Lab File: VN081099.D
 Acq: 20 Feb 2024 15:29

Tgt Ion:	117	Resp:	564462
Ion	Ratio	Lower	Upper
117	100		
82	56.2	52.7	79.1
119	33.3	25.3	37.9

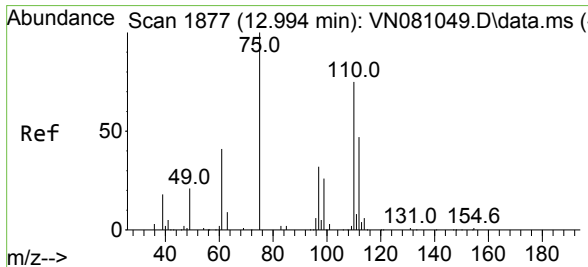
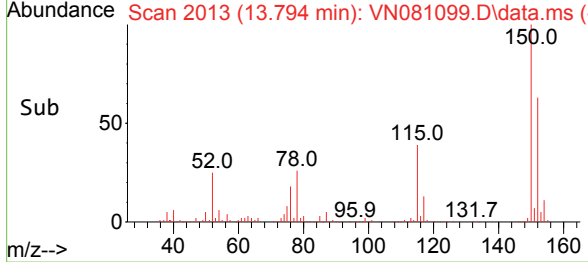
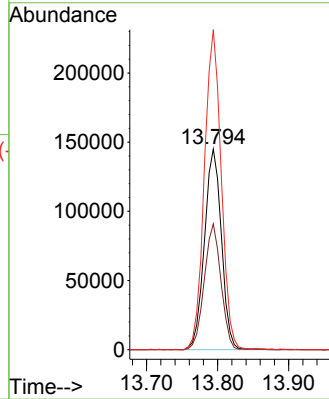
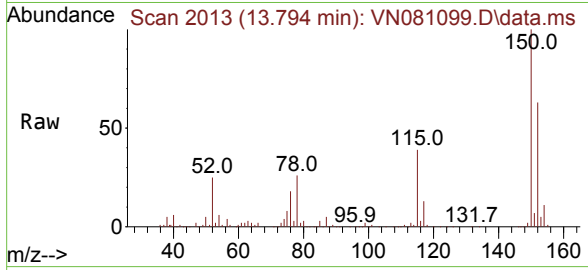




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN081099.D
 Acq: 20 Feb 2024 15:29

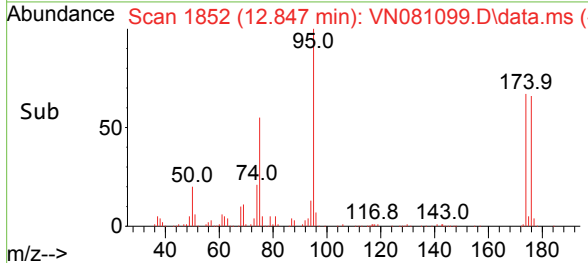
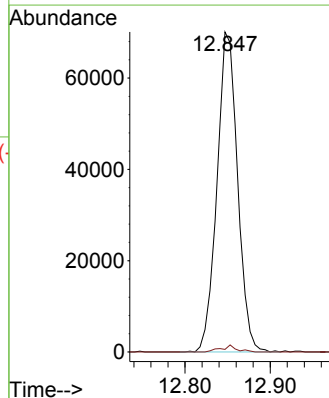
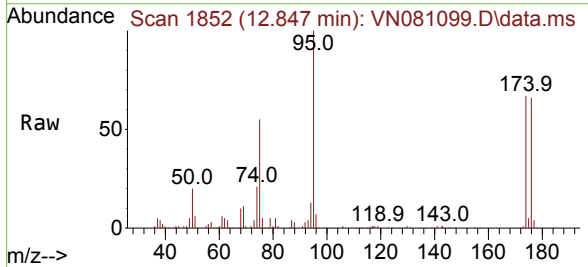
Instrument :
 MSVOA_N
 ClientSampleId :
 20240767-AMENDED-COMP-39N-N-3-02

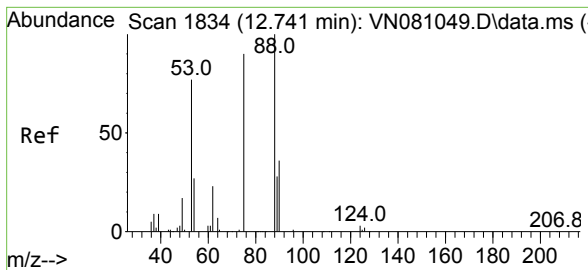
Tgt Ion:152 Resp: 241770
 Ion Ratio Lower Upper
 152 100
 115 61.6 32.3 96.8
 150 157.5 0.0 339.8



#76
 1,2,3-Trichloropropane
 Concen: 21.423 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN081099.D
 Acq: 20 Feb 2024 15:29

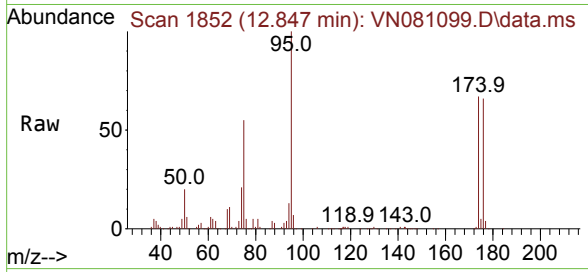
Tgt Ion: 75 Resp: 117680
 Ion Ratio Lower Upper
 75 100
 77 1.6 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.141 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN081099.D
 Acq: 20 Feb 2024 15:29

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



Tgt Ion: 75 Resp: 117680
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.0 33.4 50.0#

