

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022624\
 Data File : VN081194.D
 Acq On : 26 Feb 2024 14:52
 Operator : JC\MD
 Sample : P1533-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RW8-MW01D3-20240217

Quant Time: Feb 27 00:07:39 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)

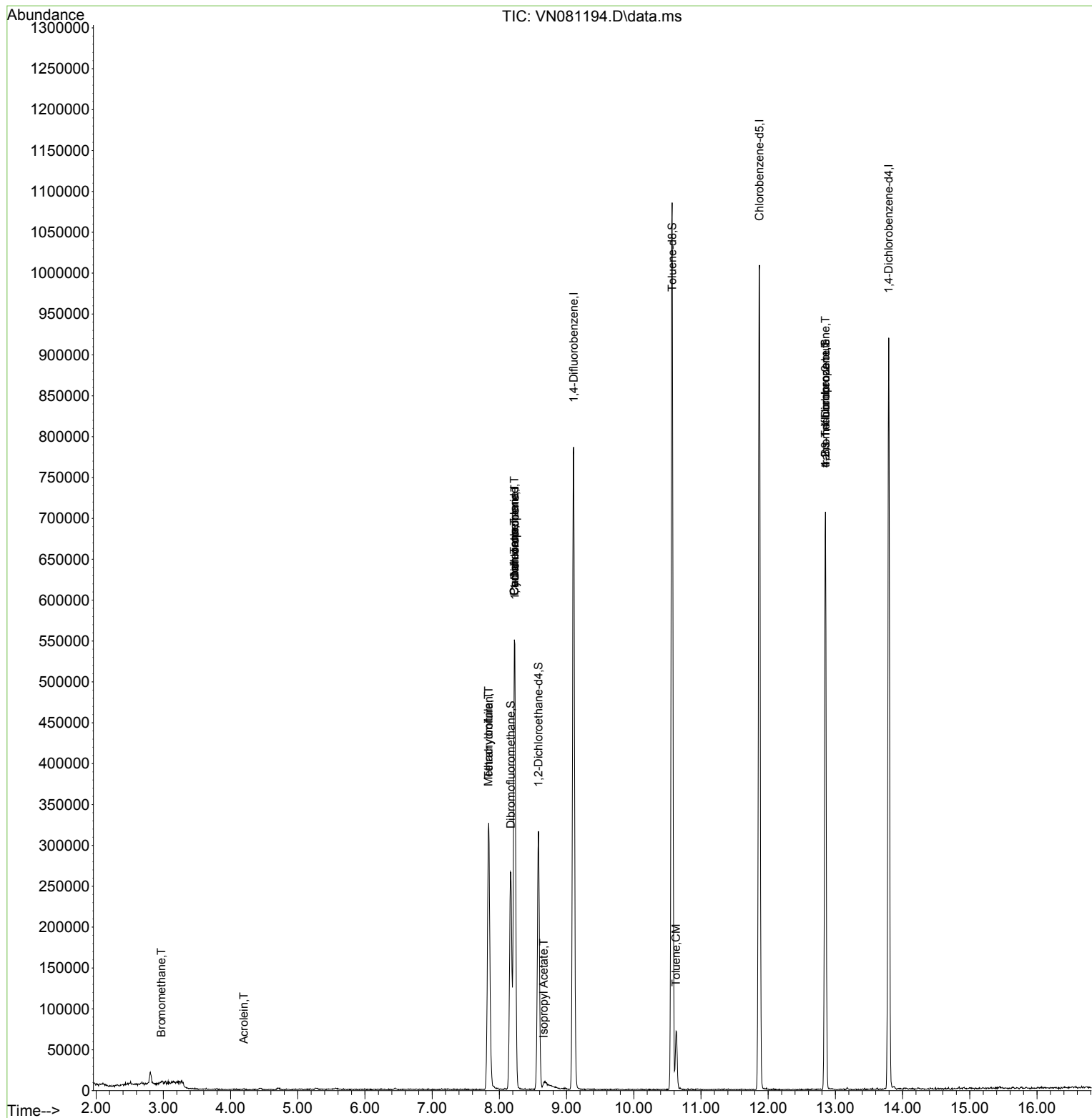
Internal Standards						
1) Pentafluorobenzene	8.224	168	385899	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	690194	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	588584	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	234783	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	244650	51.723	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.440%			
35) Dibromofluoromethane	8.171	113	195925	50.201	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.400%			
50) Toluene-d8	10.570	98	749800	54.091	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.180%			
62) 4-Bromofluorobenzene	12.853	95	245096	47.056	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.120%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1121	Below Cal	#	88
5) Bromomethane	2.971	94	1123	0.285	ug/l #	51
6) Chloroethane	3.130	64	315	Below Cal	#	13
13) Acrolein	4.200	56	740	1.587	ug/l #	52
20) Methylene Chloride	5.271	84	547	Below Cal	#	75
29) Tetrahydrofuran	7.841	42	249244	124.177	ug/l #	87
31) Cyclohexane	8.224	56	9385	1.149	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	31548	4.718	ug/l #	51
38) Carbon Tetrachloride	8.224	117	43398	6.415	ug/l #	17
41) Methacrylonitrile	7.835	41	138827	40.423	ug/l #	47
43) Isopropyl Acetate	8.659	43	3989	0.378	ug/l #	57
52) Toluene	10.629	92	31120	2.540	ug/l	99
76) 1,2,3-Trichloropropane	12.853	75	133022	24.936	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	133022	64.185	ug/l #	14

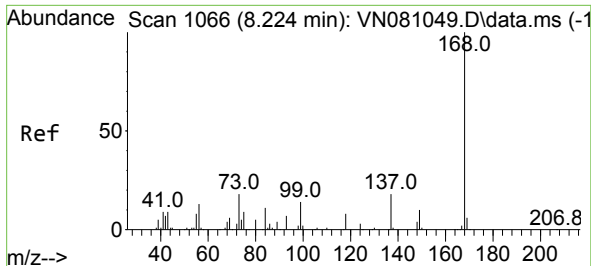
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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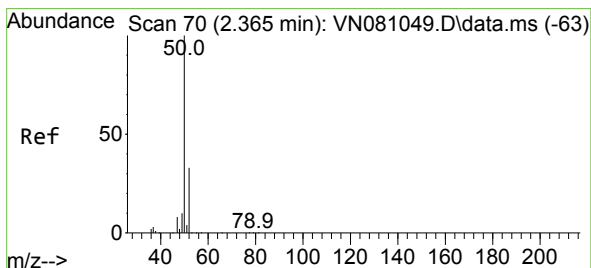
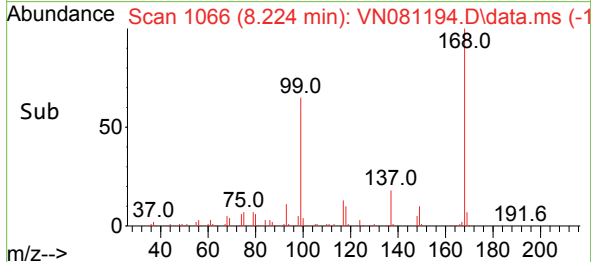
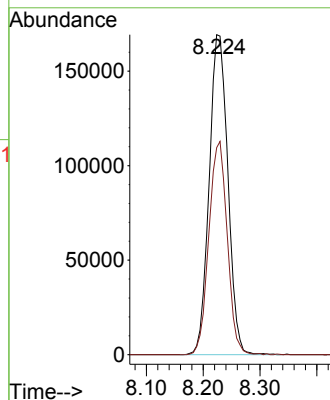
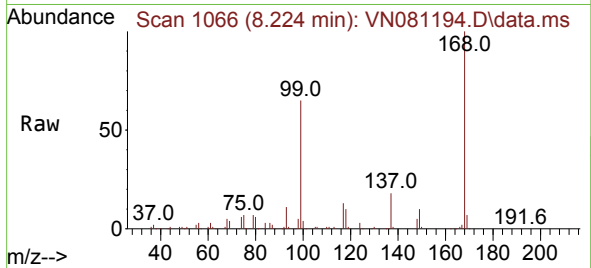




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081194.D
Acq: 26 Feb 2024 14:52

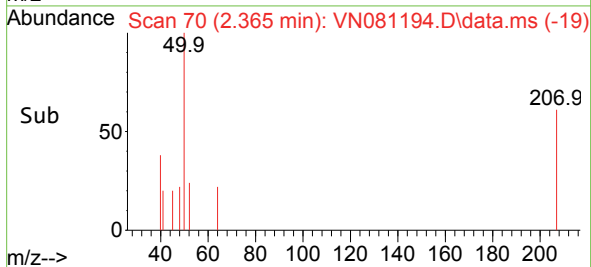
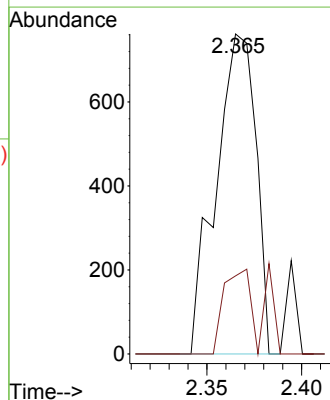
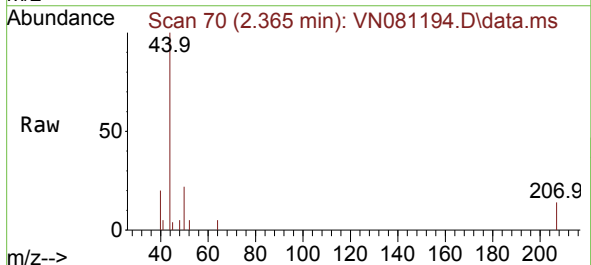
Instrument :
MSVOA_N
ClientSampleId :
RW8-MW01D3-20240217

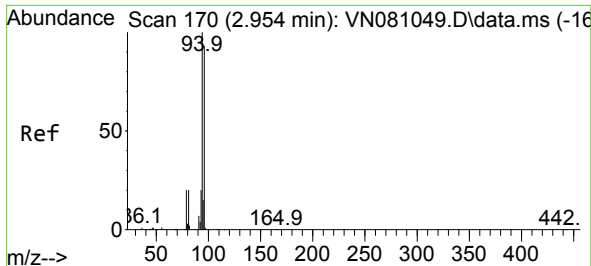
Tgt Ion:168 Resp: 385899
Ion Ratio Lower Upper
168 100
99 64.7 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN081194.D
Acq: 26 Feb 2024 14:52

Tgt Ion: 50 Resp: 1121
Ion Ratio Lower Upper
50 100
52 24.4 25.0 37.4#

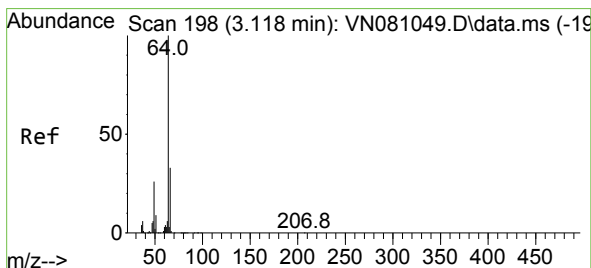
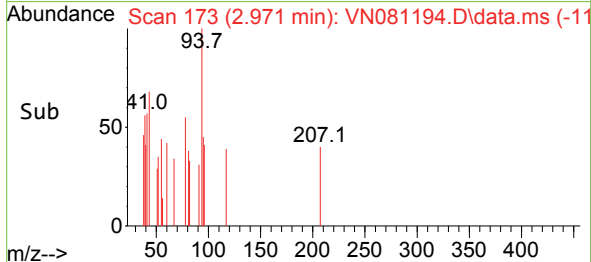
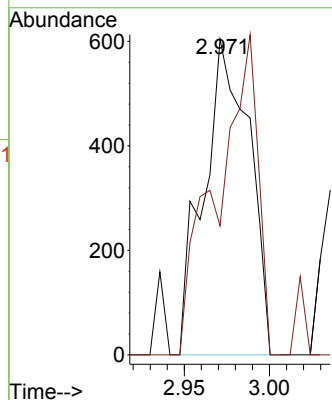
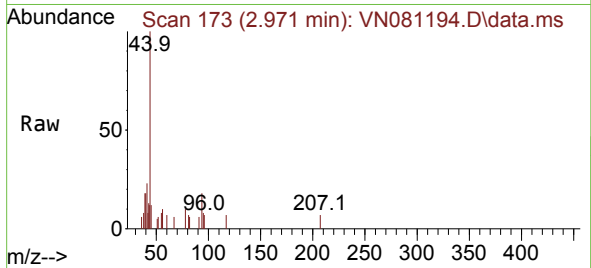




#5
Bromomethane
Concen: 0.285 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN081194.D
Acq: 26 Feb 2024 14:52

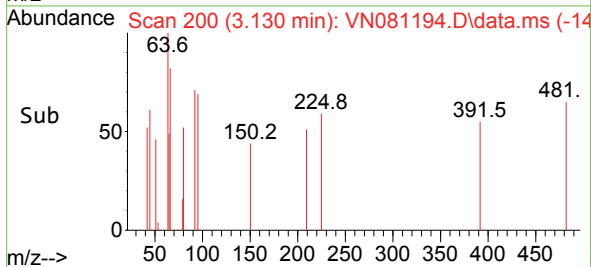
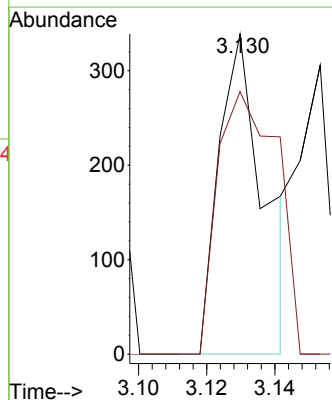
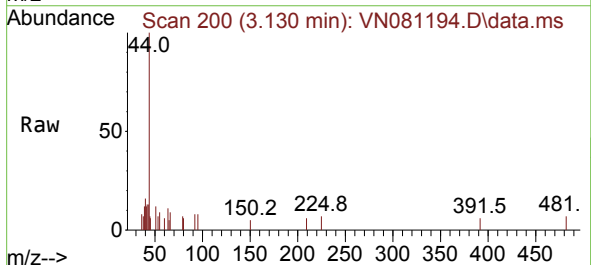
Instrument :
MSVOA_N
ClientSampleId :
RW8-MW01D3-20240217

Tgt Ion: 94 Resp: 1123
Ion Ratio Lower Upper
94 100
96 40.9 69.2 103.8#



#6
Chloroethane
Concen: Below Cal
RT: 3.130 min Scan# 200
Delta R.T. 0.012 min
Lab File: VN081194.D
Acq: 26 Feb 2024 14:52

Tgt Ion: 64 Resp: 315
Ion Ratio Lower Upper
64 100
66 82.0 26.4 39.6#





#13

Acrolein

Concen: 1.587 ug/l

RT: 4.200 min Scan# 31

Delta R.T. 0.023 min

Lab File: VN081194.D

Acq: 26 Feb 2024 14:52

Instrument :

MSVOA_N

ClientSampleId :

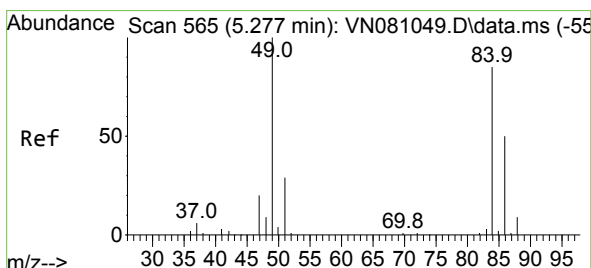
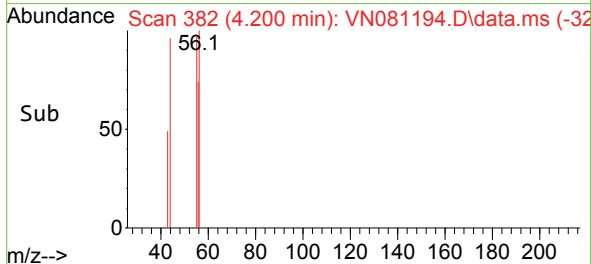
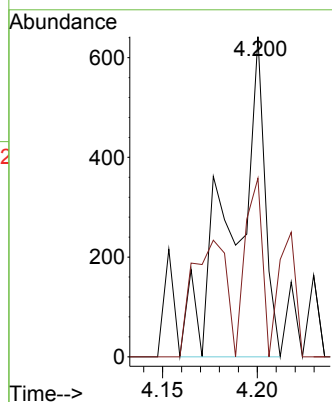
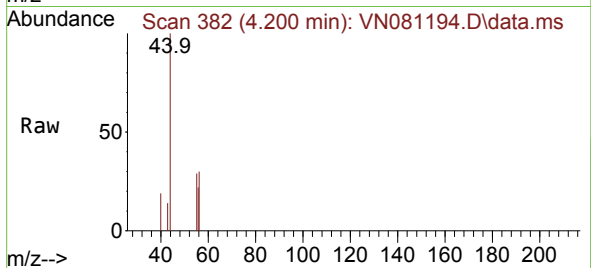
RW8-MW01D3-20240217

Tgt Ion: 56 Resp: 740

Ion Ratio Lower Upper

56 100

55 30.3 55.3 82.9#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.271 min Scan# 564

Delta R.T. -0.006 min

Lab File: VN081194.D

Acq: 26 Feb 2024 14:52

Tgt Ion: 84 Resp: 547

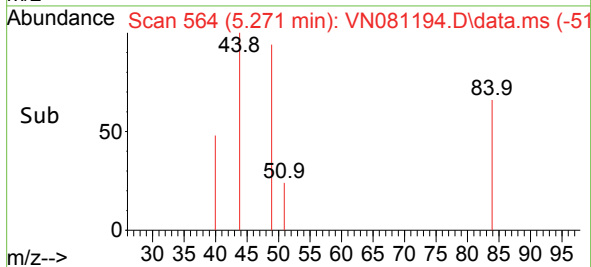
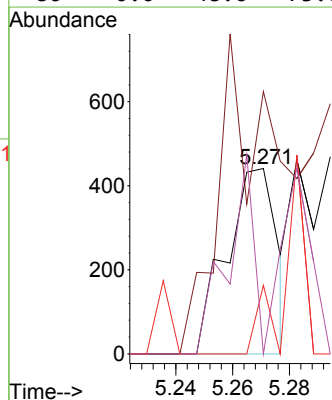
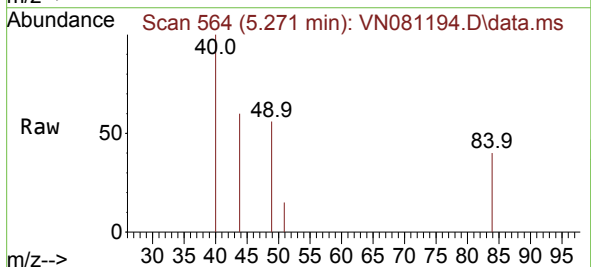
Ion Ratio Lower Upper

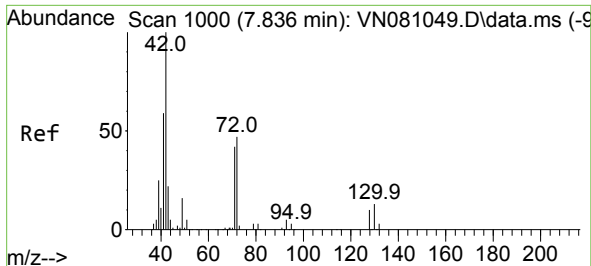
84 100

49 141.5 108.1 162.1

51 37.0 32.9 49.3

86 0.0 48.6 73.0#





#29

Tetrahydrofuran

Concen: 124.177 ug/l

RT: 7.841 min Scan# 1066

Delta R.T. 0.006 min

Lab File: VN081194.D

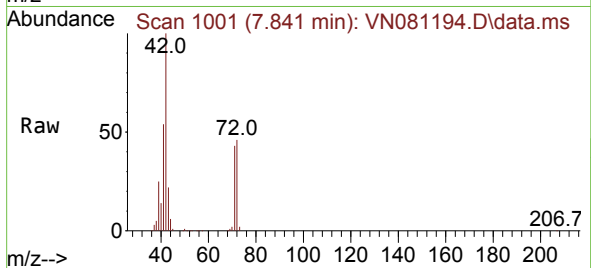
Acq: 26 Feb 2024 14:52

Instrument :

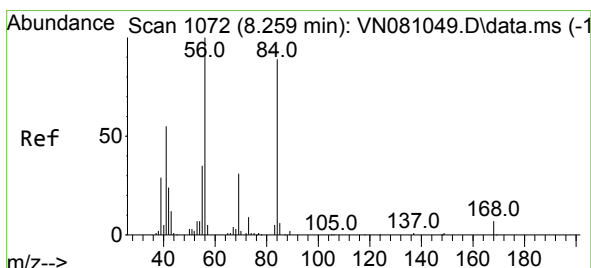
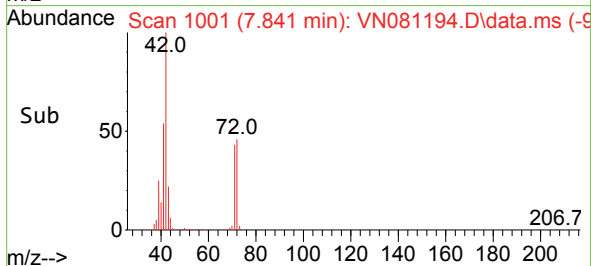
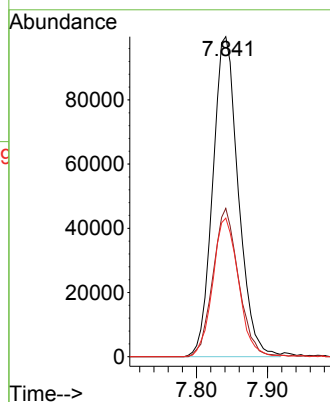
MSVOA_N

ClientSampleId :

RW8-MW01D3-20240217



Tgt Ion:	42	Resp:	249244
Ion	Ratio	Lower	Upper
42	100		
72	46.5	31.1	46.7
71	43.7	28.3	42.5#



#31

Cyclohexane

Concen: 1.149 ug/l

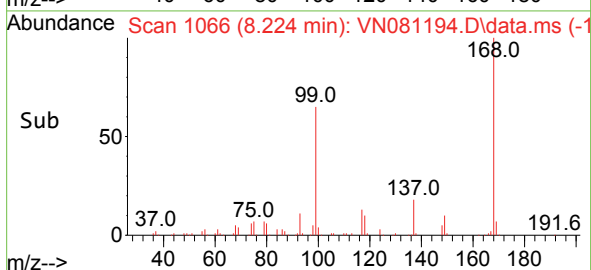
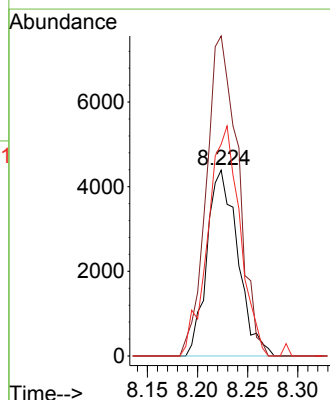
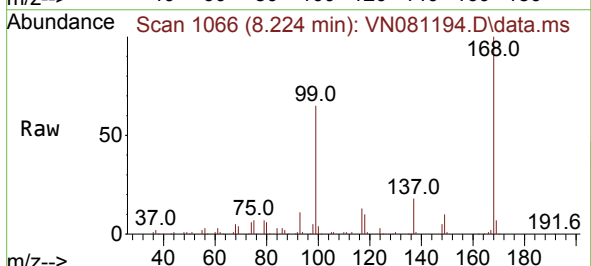
RT: 8.224 min Scan# 1066

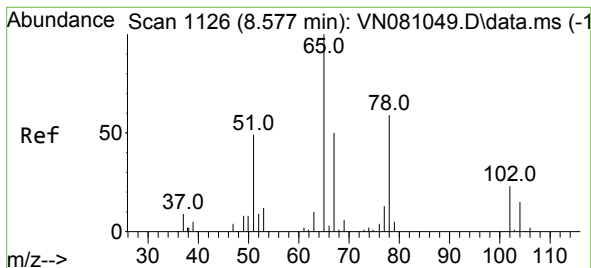
Delta R.T. -0.036 min

Lab File: VN081194.D

Acq: 26 Feb 2024 14:52

Tgt Ion:	56	Resp:	9385
Ion	Ratio	Lower	Upper
56	100		
69	172.3	20.1	30.1#
84	114.0	56.9	85.3#





#33

1,2-Dichloroethane-d4

Concen: 51.723 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN081194.D

Acq: 26 Feb 2024 14:52

Instrument :

MSVOA_N

ClientSampleId :

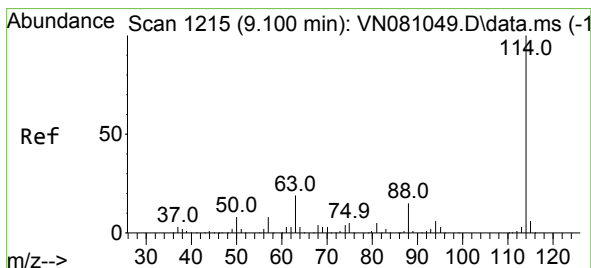
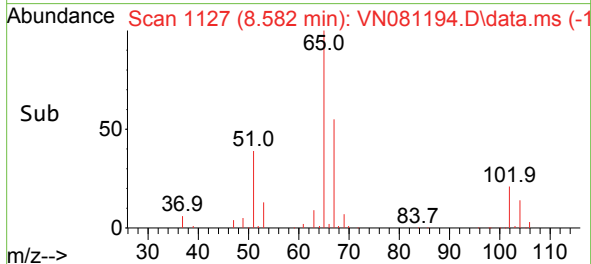
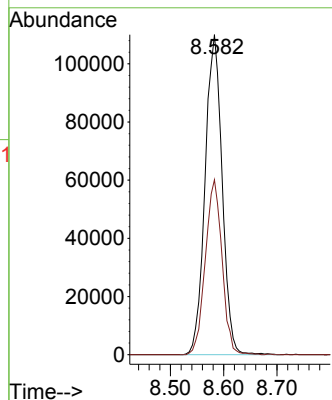
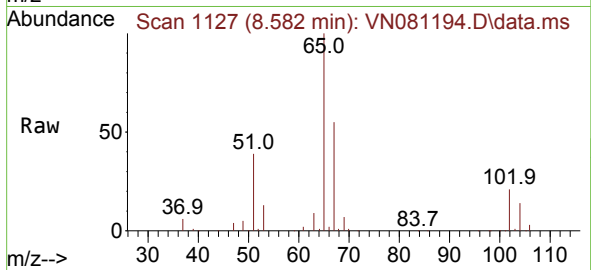
RW8-MW01D3-20240217

Tgt Ion: 65 Resp: 244650

Ion Ratio Lower Upper

65 100

67 53.4 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN081194.D

Acq: 26 Feb 2024 14:52

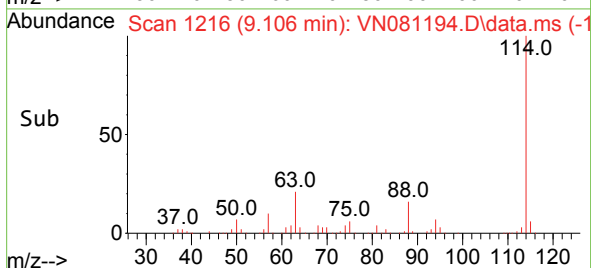
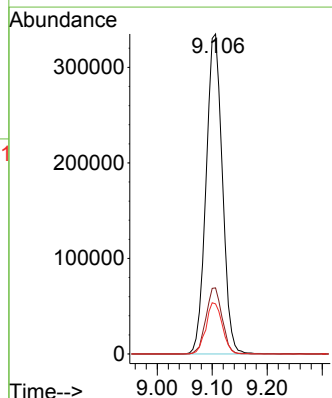
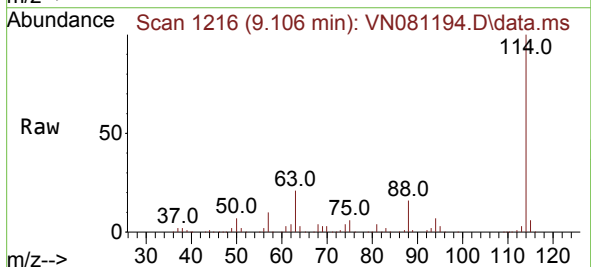
Tgt Ion: 114 Resp: 690194

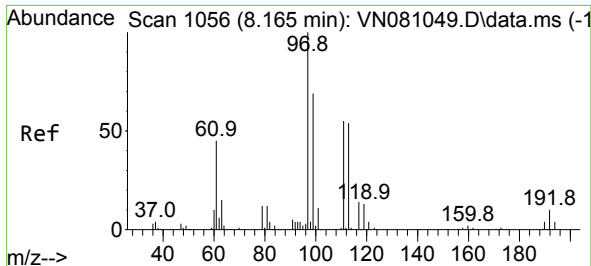
Ion Ratio Lower Upper

114 100

63 20.6 0.0 48.0

88 15.7 0.0 34.8

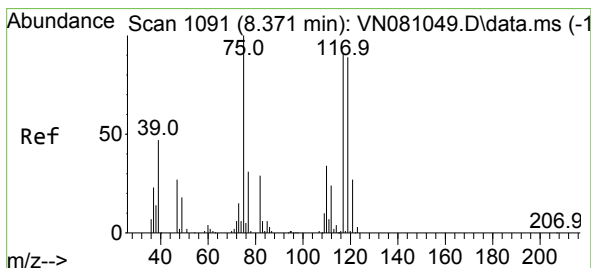
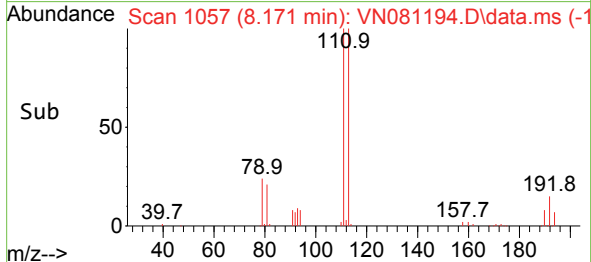
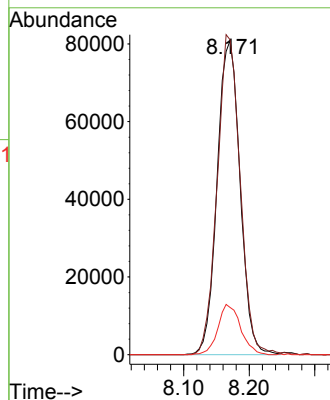
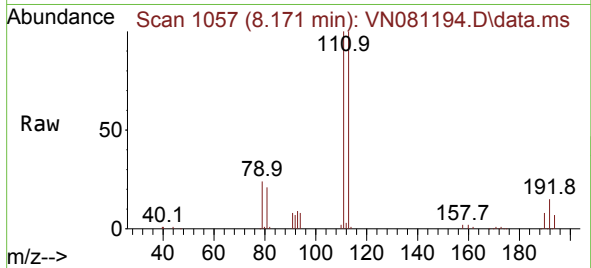




#35
Dibromofluoromethane
Concen: 50.201 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN081194.D
Acq: 26 Feb 2024 14:52

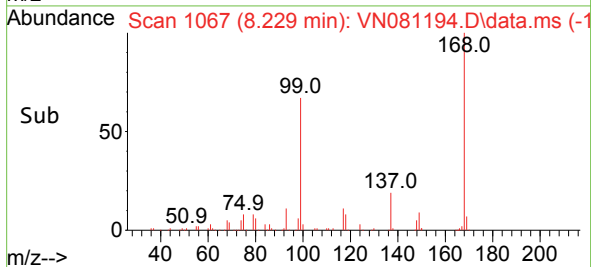
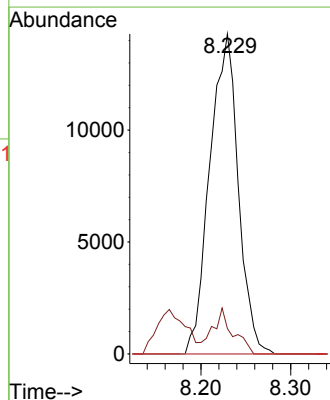
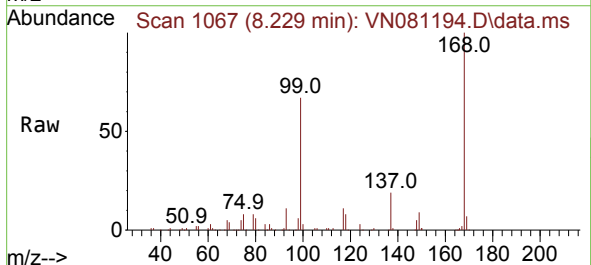
Instrument :
MSVOA_N
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RW8-MW01D3-20240217

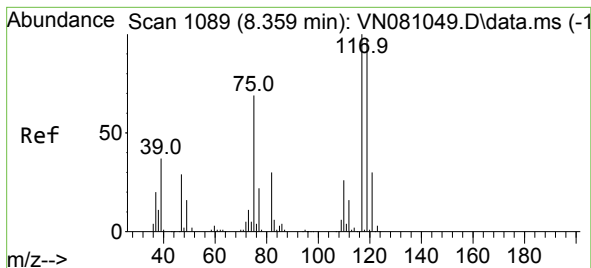
Tgt Ion:113 Resp: 195925
Ion Ratio Lower Upper
113 100
111 102.0 82.2 123.4
192 15.9 12.5 18.7



#36
1,1-Dichloropropene
Concen: 4.718 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN081194.D
Acq: 26 Feb 2024 14:52

Tgt Ion: 75 Resp: 31548
Ion Ratio Lower Upper
75 100
110 10.0 16.0 48.0#
77 0.0 25.8 38.6#





#38

Carbon Tetrachloride

Concen: 6.415 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.136 min

Lab File: VN081194.D

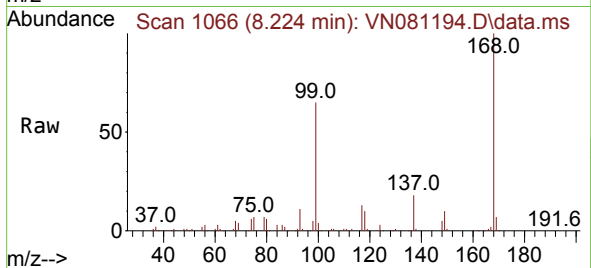
Acq: 26 Feb 2024 14:52

Instrument :

MSVOA_N

ClientSampleId :

RW8-MW01D3-20240217



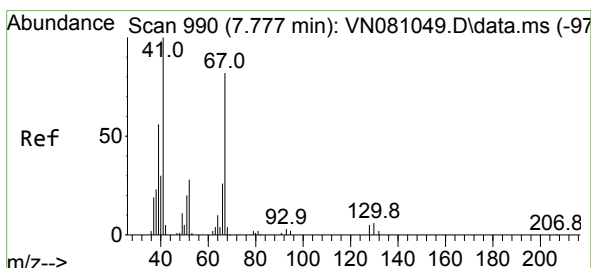
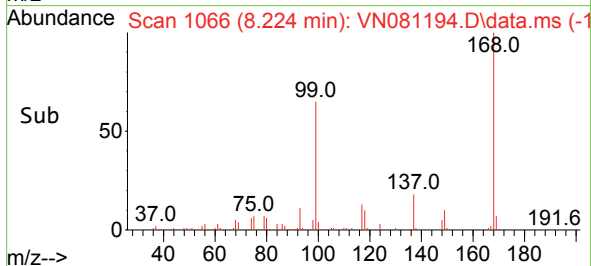
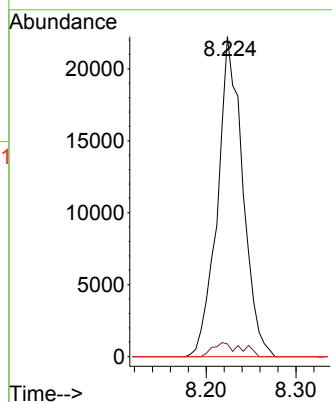
Tgt Ion:117 Resp: 43398

Ion Ratio Lower Upper

117 100

119 4.0 73.4 110.2#

121 0.0 24.4 36.6#



#41

Methacrylonitrile

Concen: 40.423 ug/l

RT: 7.835 min Scan# 1000

Delta R.T. 0.059 min

Lab File: VN081194.D

Acq: 26 Feb 2024 14:52

Tgt Ion: 41 Resp: 138827

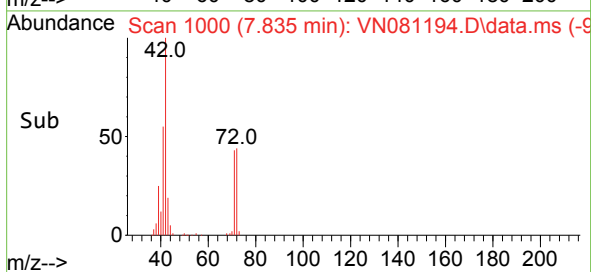
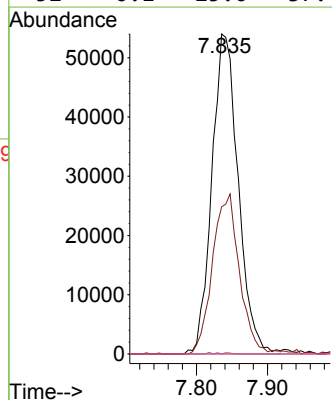
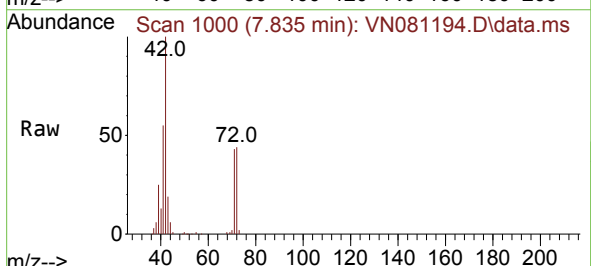
Ion Ratio Lower Upper

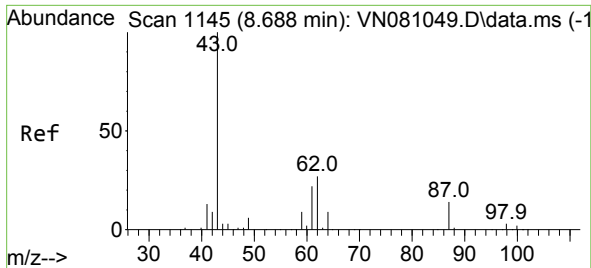
41 100

39 51.4 48.4 72.6

67 0.0 56.8 85.2#

52 0.1 25.0 37.4#

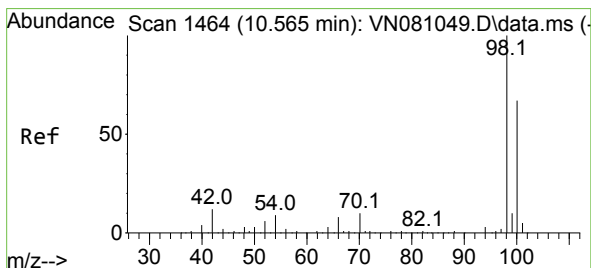
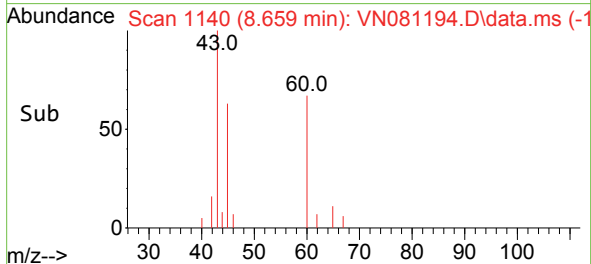
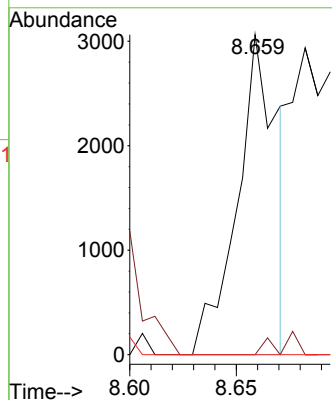
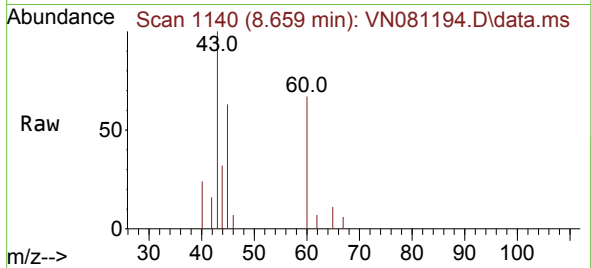




#43
Isopropyl Acetate
Concen: 0.378 ug/l
RT: 8.659 min Scan# 1140
Delta R.T. -0.030 min
Lab File: VN081194.D
Acq: 26 Feb 2024 14:52

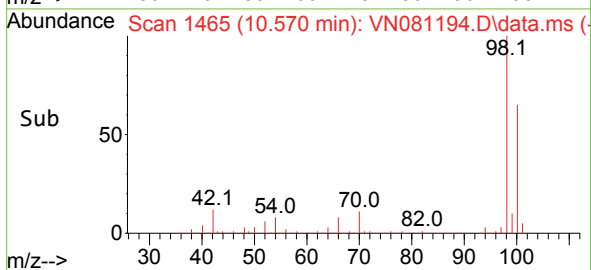
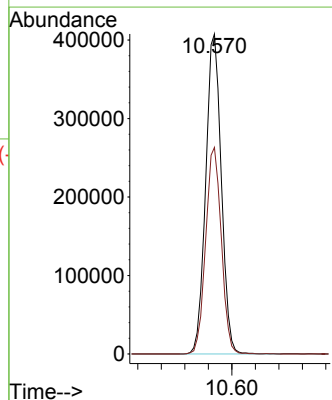
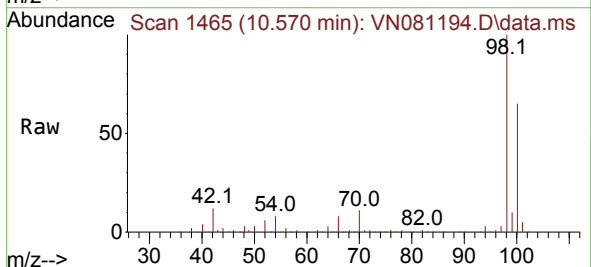
Instrument :
MSVOA_N
ClientSampleId :
RW8-MW01D3-20240217

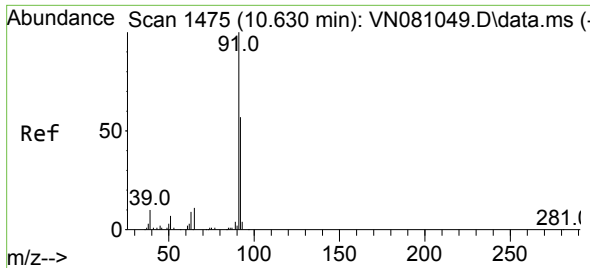
Tgt Ion: 43 Resp: 3989
Ion Ratio Lower Upper
43 100
61 0.0 19.9 29.9#
87 0.0 9.0 13.6#



#50
Toluene-d8
Concen: 54.091 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081194.D
Acq: 26 Feb 2024 14:52

Tgt Ion: 98 Resp: 749800
Ion Ratio Lower Upper
98 100
100 64.8 51.4 77.0

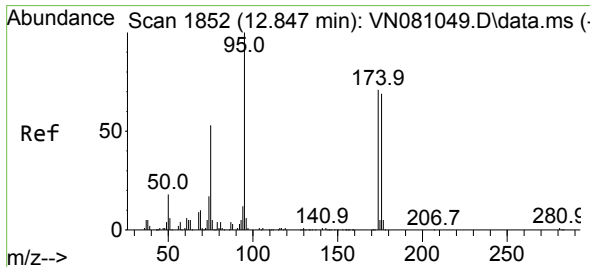
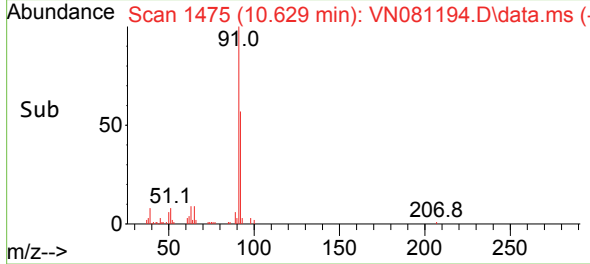
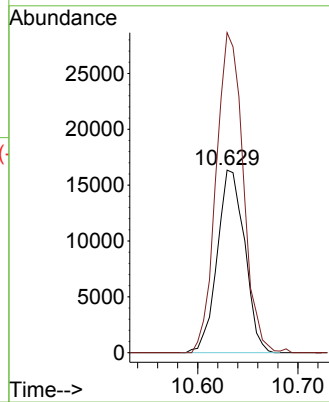
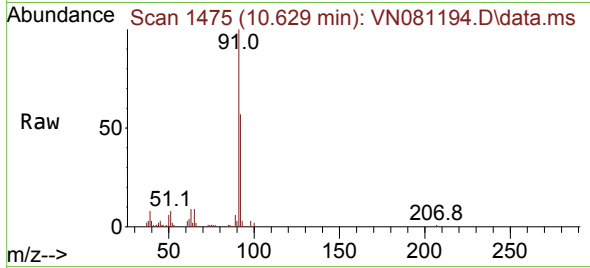




#52
Toluene
Concen: 2.540 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN081194.D
Acq: 26 Feb 2024 14:52

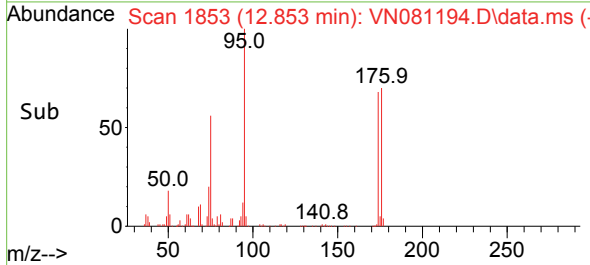
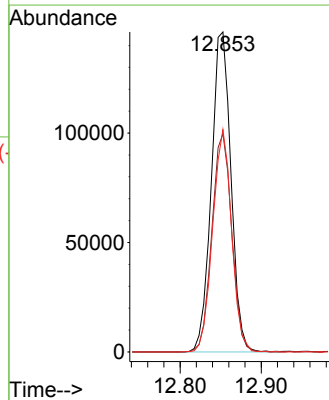
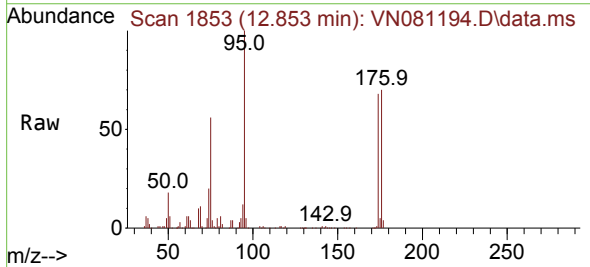
Instrument :
MSVOA_N
ClientSampleId :
RW8-MW01D3-20240217

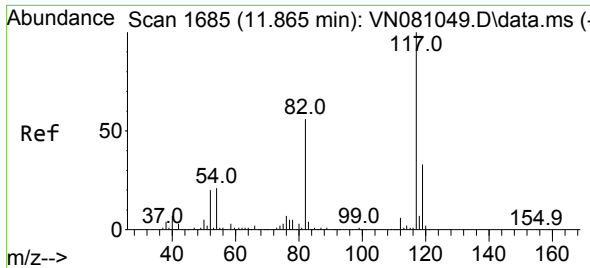
Tgt Ion: 92 Resp: 31120
Ion Ratio Lower Upper
92 100
91 173.2 139.4 209.0



#62
4-Bromofluorobenzene
Concen: 47.056 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081194.D
Acq: 26 Feb 2024 14:52

Tgt Ion: 95 Resp: 245096
Ion Ratio Lower Upper
95 100
174 69.2 0.0 120.4
176 67.2 0.0 121.0

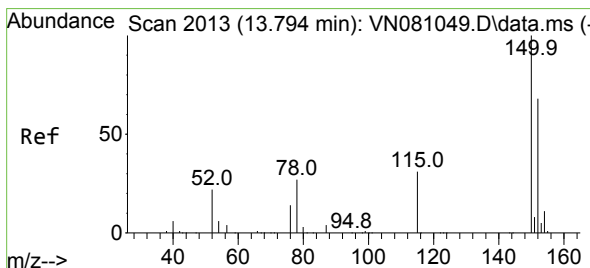
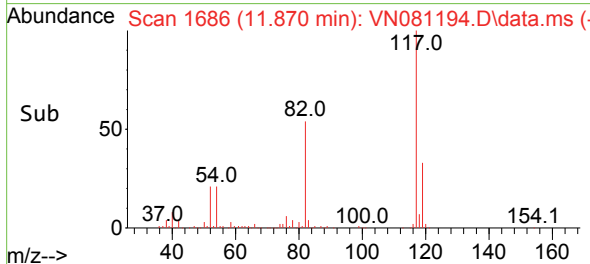
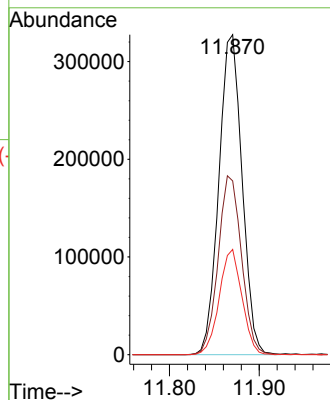
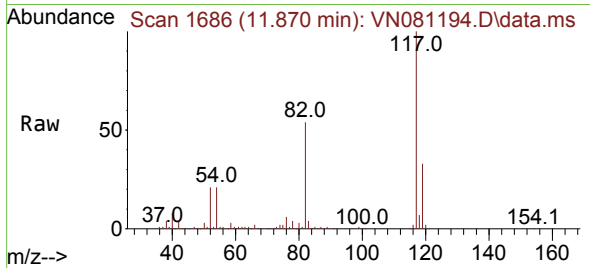




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081194.D
Acq: 26 Feb 2024 14:52

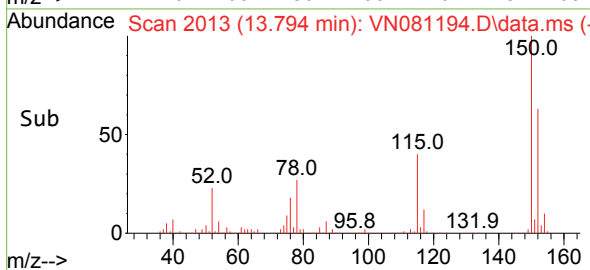
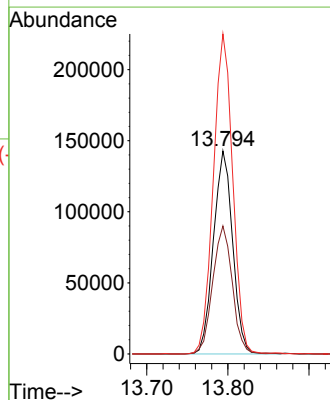
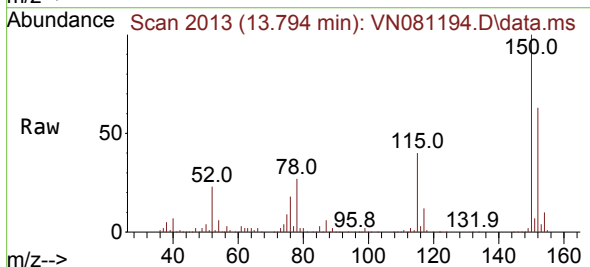
Instrument :
MSVOA_N
ClientSampleId :
RW8-MW01D3-20240217

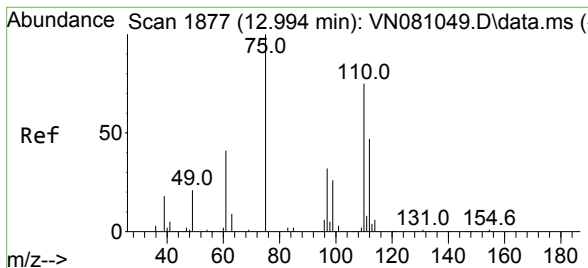
Tgt Ion:117 Resp: 588584
Ion Ratio Lower Upper
117 100
82 54.3 52.7 79.1
119 32.9 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN081194.D
Acq: 26 Feb 2024 14:52

Tgt Ion:152 Resp: 234783
Ion Ratio Lower Upper
152 100
115 64.2 32.3 96.8
150 159.2 0.0 339.8





#76

1,2,3-Trichloropropane

Concen: 24.936 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN081194.D

Acq: 26 Feb 2024 14:52

Instrument :

MSVOA_N

ClientSampleId :

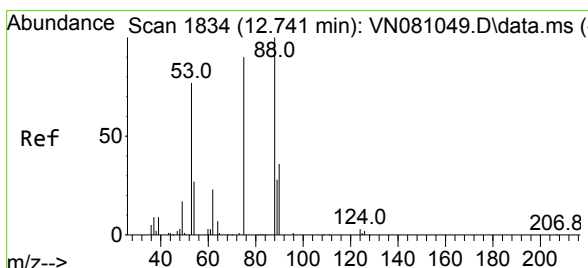
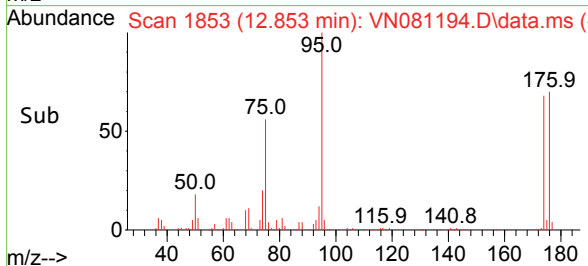
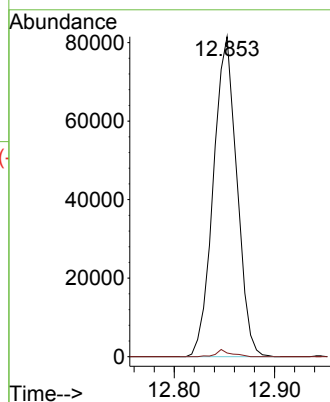
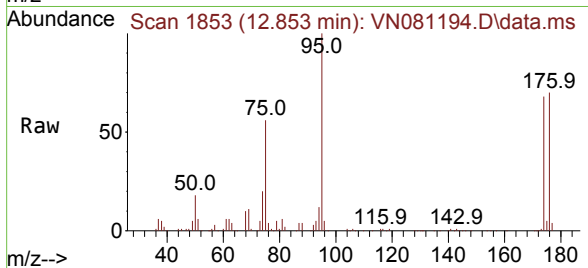
RW8-MW01D3-20240217

Tgt Ion: 75 Resp: 133022

Ion Ratio Lower Upper

75 100

77 1.4 91.0 272.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.185 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN081194.D

Acq: 26 Feb 2024 14:52

Tgt Ion: 75 Resp: 133022

Ion Ratio Lower Upper

75 100

53 0.0 71.4 107.2#

89 0.1 33.4 50.0#

