

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022824\
 Data File : VN081243.D
 Acq On : 28 Feb 2024 15:17
 Operator : JC\MD
 Sample : P1590-15
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP01-20240223

Quant Time: Feb 28 23:26:48 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)

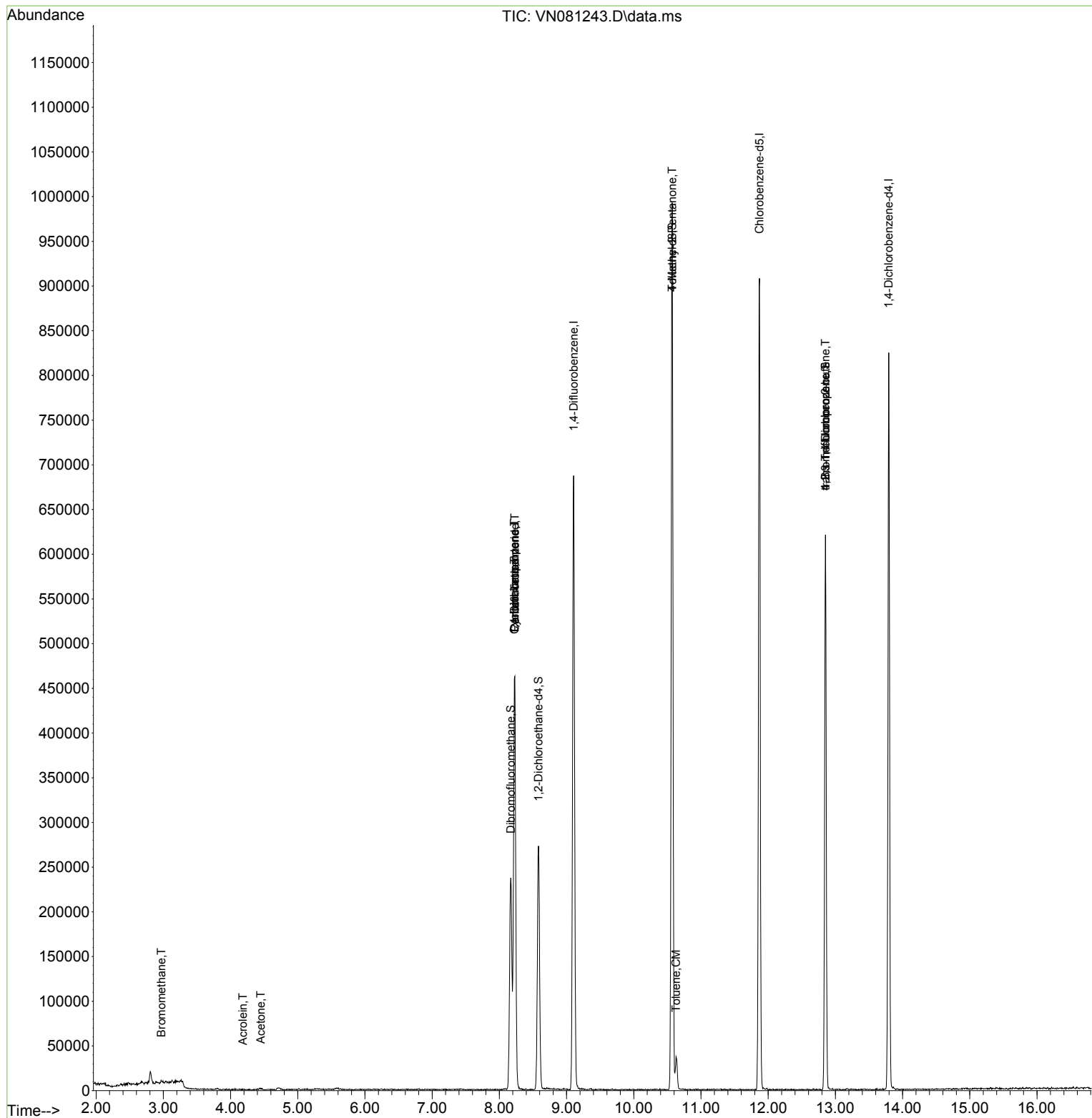
Internal Standards						
1) Pentafluorobenzene	8.230	168	315688	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	592187	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	520769	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	201772	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	220379	56.954	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	113.900%
35) Dibromofluoromethane	8.171	113	176439	52.690	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.380%
50) Toluene-d8	10.571	98	664699	55.888	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	111.780%
62) 4-Bromofluorobenzene	12.853	95	211566	47.341	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.680%
Target Compounds						
3) Chloromethane	2.359	50	976	Below Cal	#	36
5) Bromomethane	2.971	94	1129	0.351	ug/l	91
6) Chloroethane	3.124	64	307	Below Cal	#	42
13) Acrolein	4.183	56	450	1.180	ug/l	# 39
16) Acetone	4.447	43	2779	1.825	ug/l	# 87
20) Methylene Chloride	5.277	84	68	Below Cal	#	41
31) Cyclohexane	8.224	56	8781	1.314	ug/l	# 1
36) 1,1-Dichloropropene	8.224	75	30517	5.319	ug/l	# 51
38) Carbon Tetrachloride	8.230	117	37280	6.423	ug/l	# 18
51) 4-Methyl-2-Pentanone	10.571	43	3438	0.660	ug/l	# 1
52) Toluene	10.629	92	15447	1.469	ug/l	93
76) 1,2,3-Trichloropropane	12.853	75	115688	25.235	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.853	75	115688	64.953	ug/l	# 14

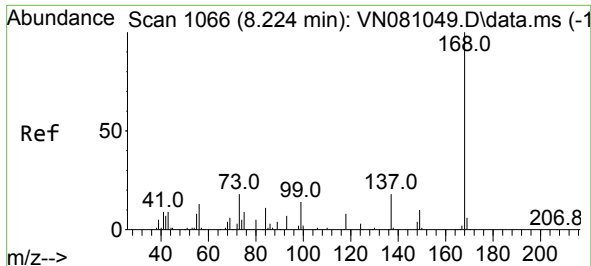
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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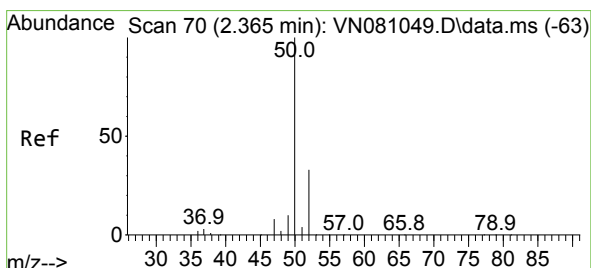
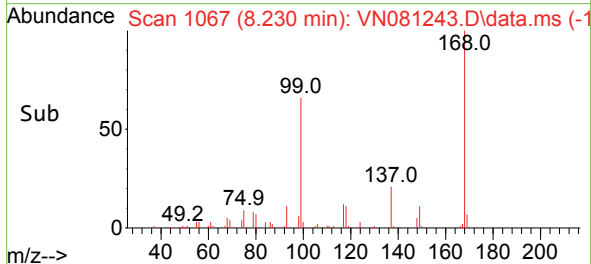
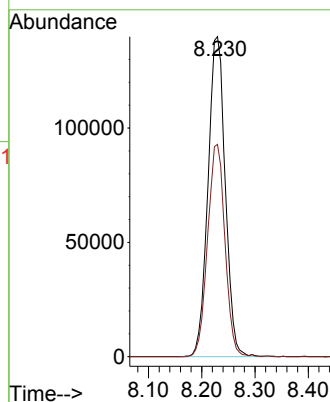
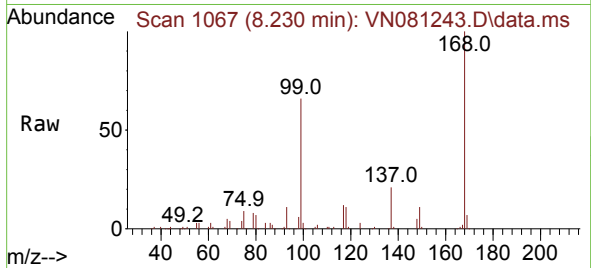




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN081243.D
Acq: 28 Feb 2024 15:17

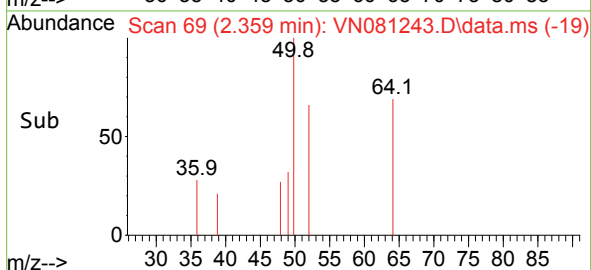
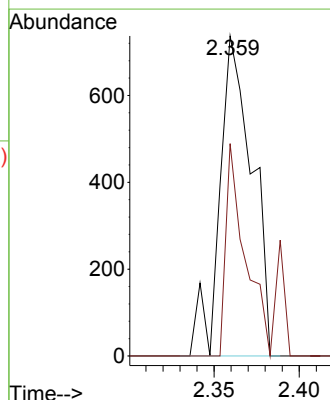
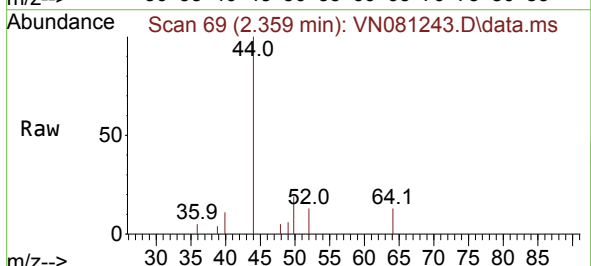
Instrument :
MSVOA_N
ClientSampleId :
DUP01-20240223

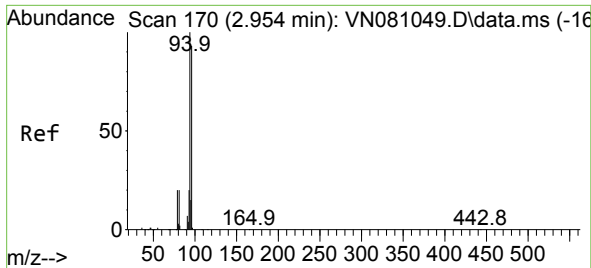
Tgt Ion:168 Resp: 315688
Ion Ratio Lower Upper
168 100
99 66.3 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. -0.006 min
Lab File: VN081243.D
Acq: 28 Feb 2024 15:17

Tgt Ion: 50 Resp: 976
Ion Ratio Lower Upper
50 100
52 66.4 25.0 37.4#

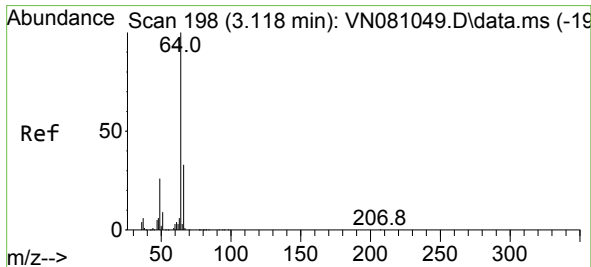
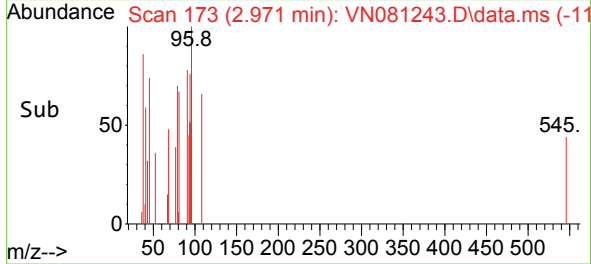
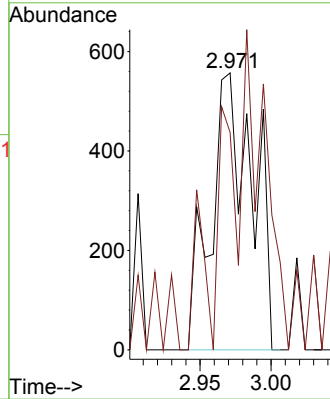
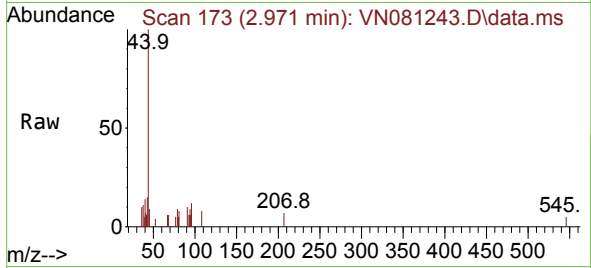




#5
Bromomethane
Concen: 0.351 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN081243.D
Acq: 28 Feb 2024 15:17

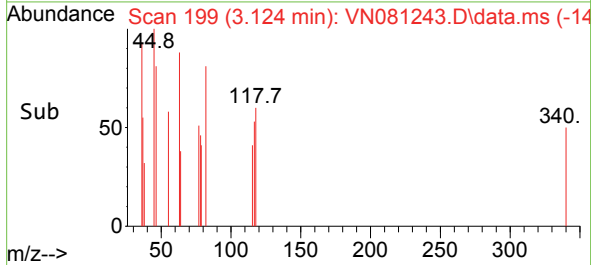
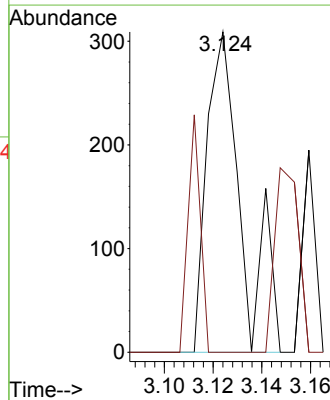
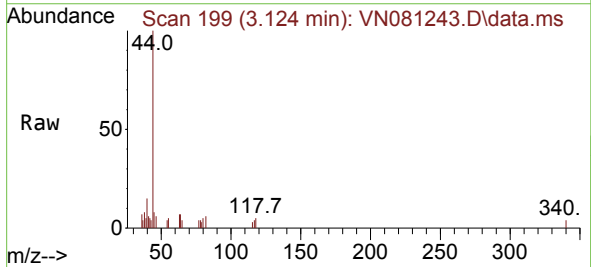
Instrument :
MSVOA_N
ClientSampleId :
DUP01-20240223

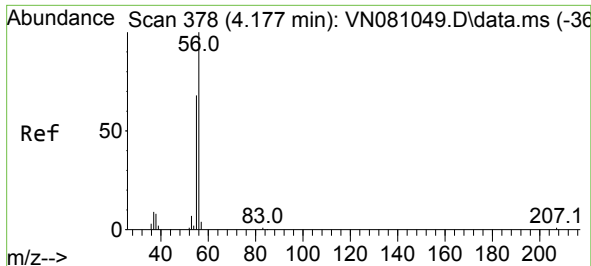
Tgt Ion: 94 Resp: 1129
Ion Ratio Lower Upper
94 100
96 78.5 69.2 103.8



#6
Chloroethane
Concen: Below Cal
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN081243.D
Acq: 28 Feb 2024 15:17

Tgt Ion: 64 Resp: 307
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#

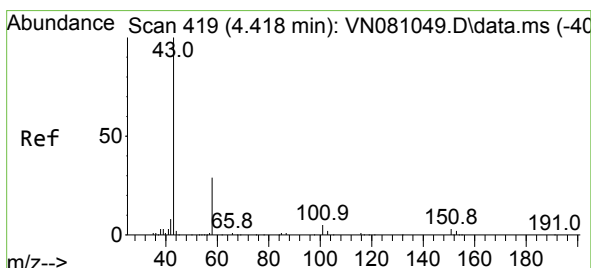
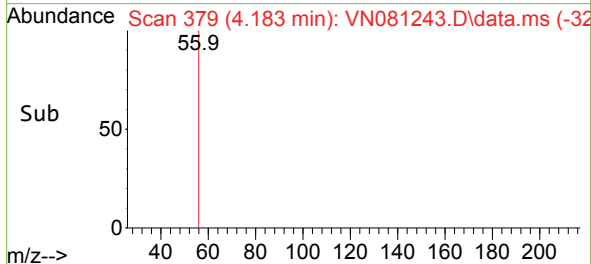
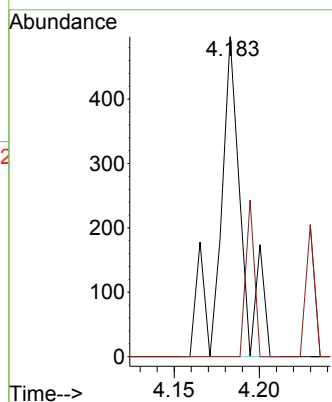
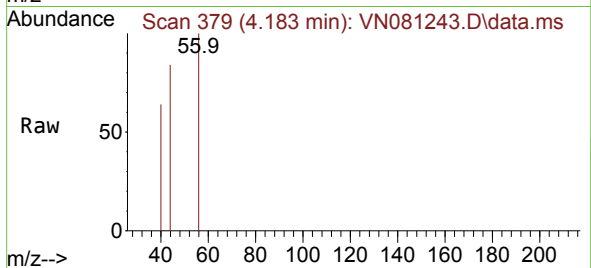




#13
Acrolein
Concen: 1.180 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN081243.D
Acq: 28 Feb 2024 15:17

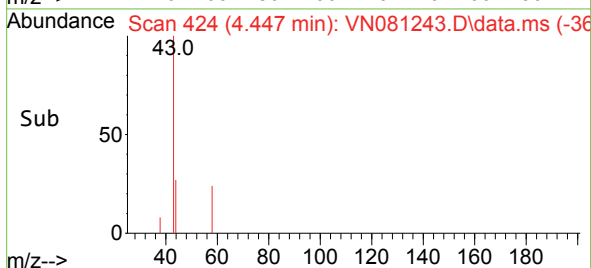
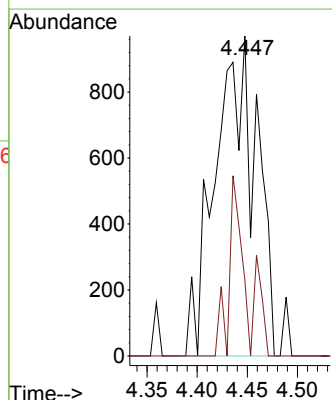
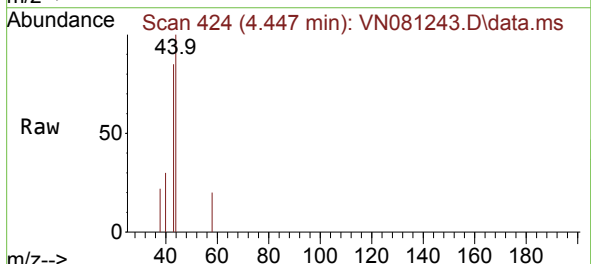
Instrument :
MSVOA_N
ClientSampleId :
DUP01-20240223

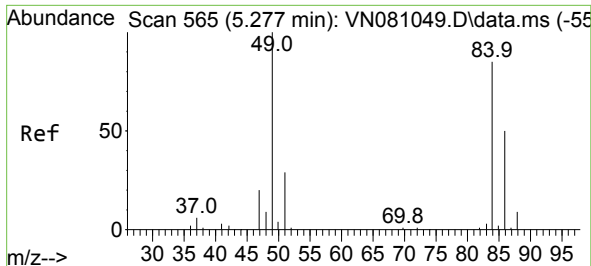
Tgt Ion: 56 Resp: 450
Ion Ratio Lower Upper
56 100
55 19.1 55.3 82.9#



#16
Acetone
Concen: 1.825 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.029 min
Lab File: VN081243.D
Acq: 28 Feb 2024 15:17

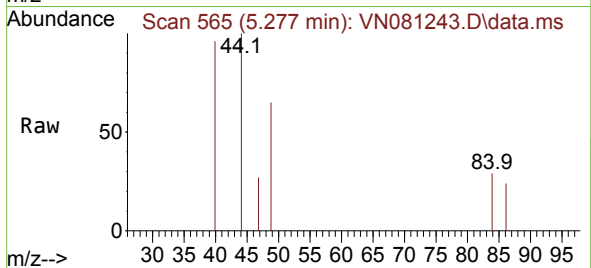
Tgt Ion: 43 Resp: 2779
Ion Ratio Lower Upper
43 100
58 23.8 24.8 37.2#





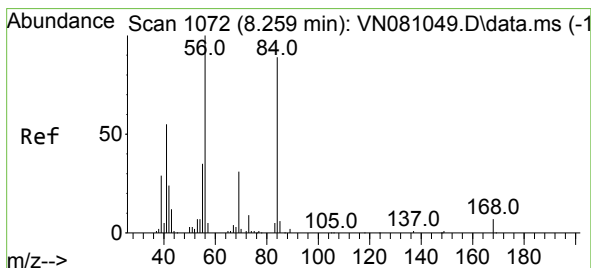
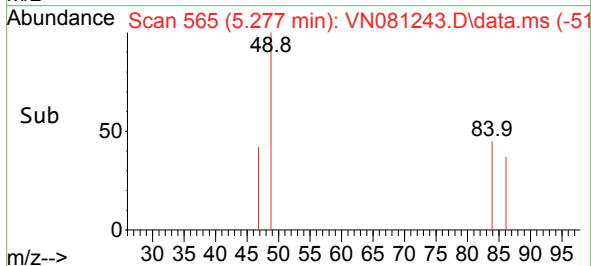
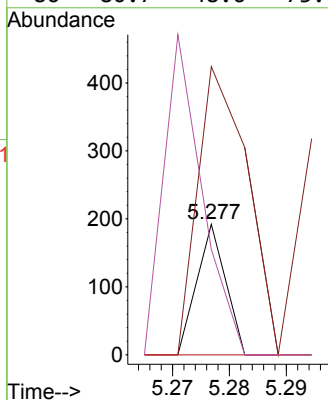
#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN081243.D
Acq: 28 Feb 2024 15:17

Instrument :
MSVOA_N
ClientSampleId :
DUP01-20240223



Tgt Ion: 84 Resp: 68

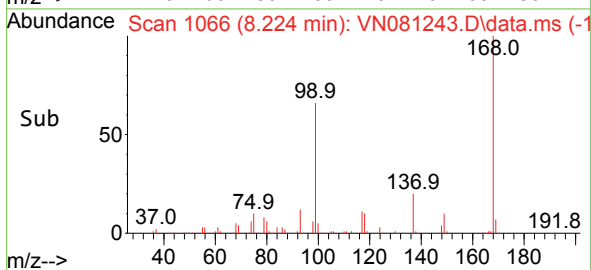
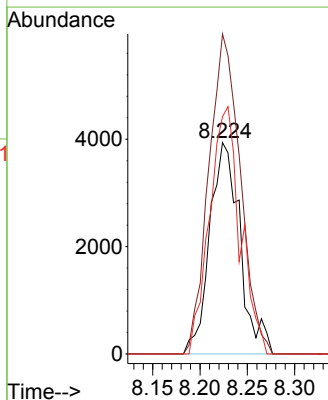
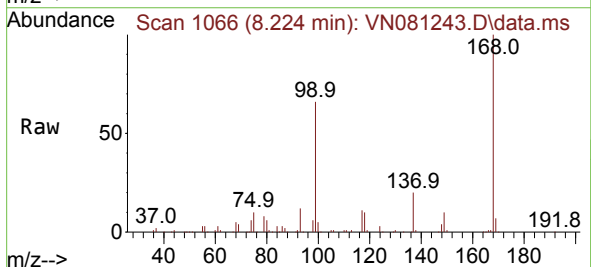
Ion	Ratio	Lower	Upper
84	100		
49	220.8	108.1	162.1#
51	0.0	32.9	49.3#
86	80.7	48.6	73.0#

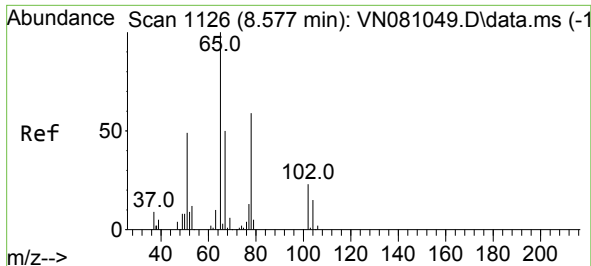


#31
Cyclohexane
Concen: 1.314 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081243.D
Acq: 28 Feb 2024 15:17

Tgt Ion: 56 Resp: 8781

Ion	Ratio	Lower	Upper
56	100		
69	151.4	20.1	30.1#
84	117.1	56.9	85.3#





#33

1,2-Dichloroethane-d4

Concen: 56.954 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN081243.D

Acq: 28 Feb 2024 15:17

Instrument :

MSVOA_N

ClientSampleId :

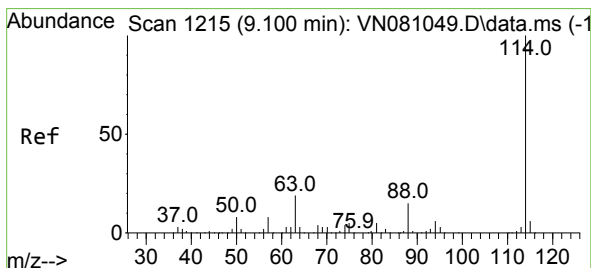
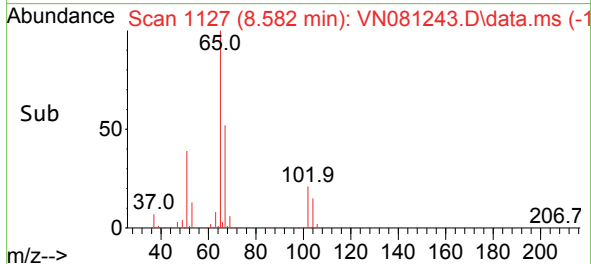
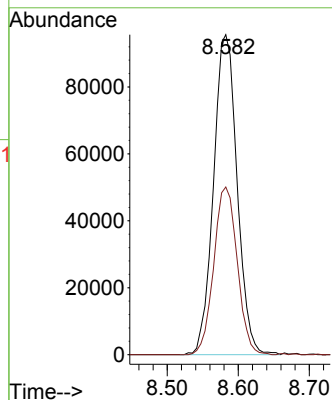
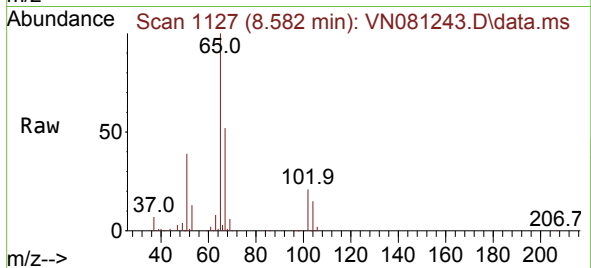
DUP01-20240223

Tgt Ion: 65 Resp: 220379

Ion Ratio Lower Upper

65 100

67 52.1 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: VN081243.D

Acq: 28 Feb 2024 15:17

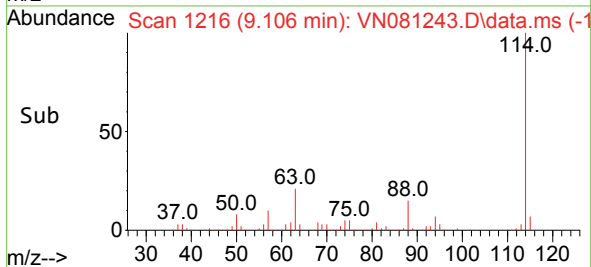
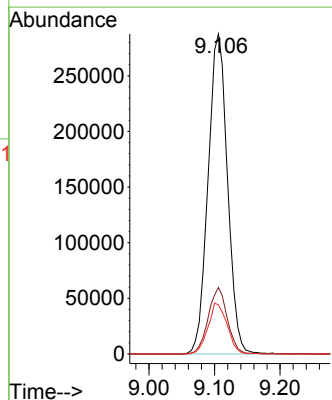
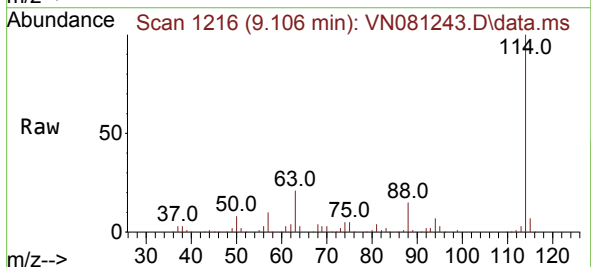
Tgt Ion: 114 Resp: 592187

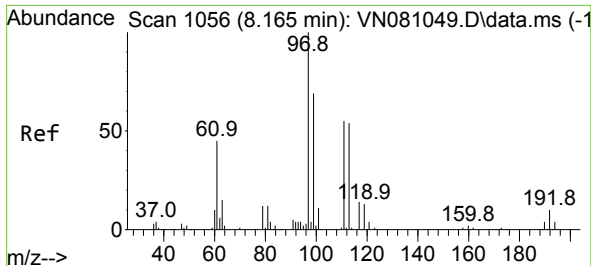
Ion Ratio Lower Upper

114 100

63 20.8 0.0 48.0

88 15.4 0.0 34.8

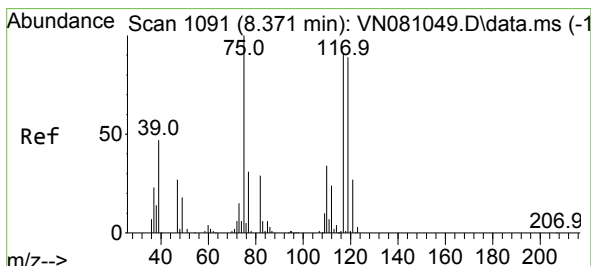
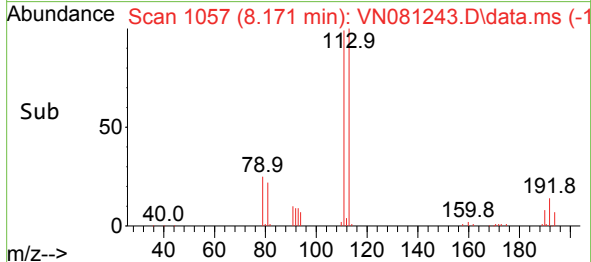
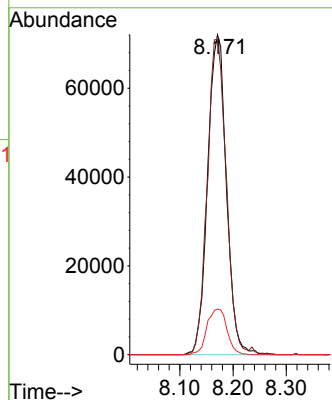
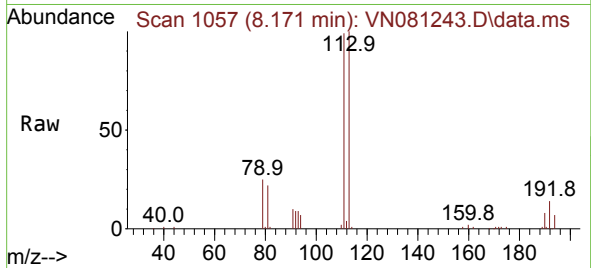




#35
Dibromofluoromethane
Concen: 52.690 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN081243.D
Acq: 28 Feb 2024 15:17

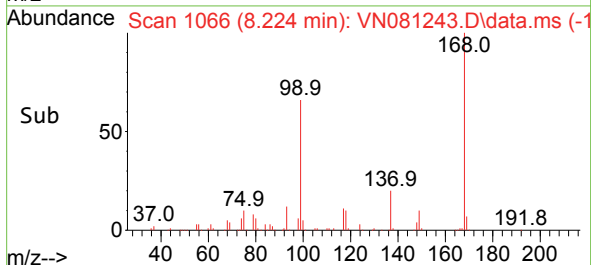
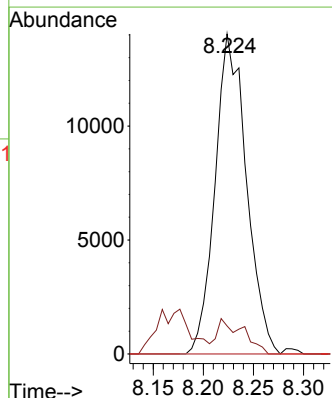
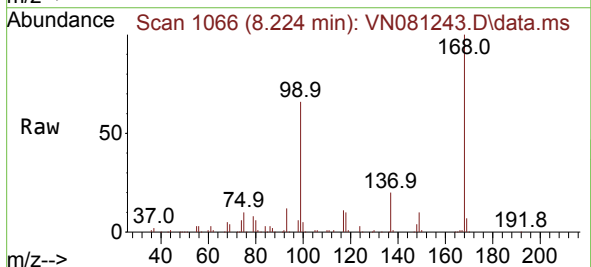
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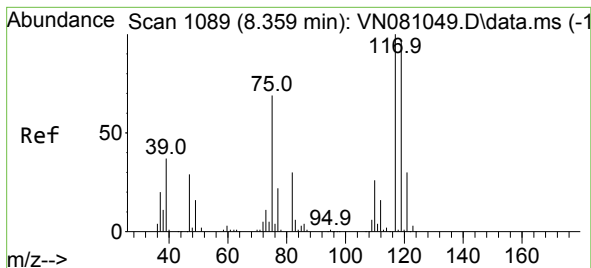
Tgt Ion:113 Resp: 176439
Ion Ratio Lower Upper
113 100
111 100.0 82.2 123.4
192 15.2 12.5 18.7



#36
1,1-Dichloropropene
Concen: 5.319 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081243.D
Acq: 28 Feb 2024 15:17

Tgt Ion: 75 Resp: 30517
Ion Ratio Lower Upper
75 100
110 9.2 16.0 48.0#
77 0.0 25.8 38.6#





#38

Carbon Tetrachloride

Concen: 6.423 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.130 min

Lab File: VN081243.D

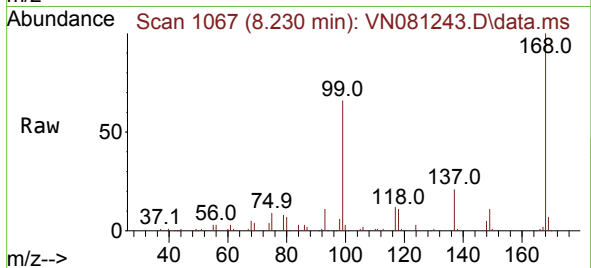
Acq: 28 Feb 2024 15:17

Instrument :

MSVOA_N

ClientSampleId :

DUP01-20240223



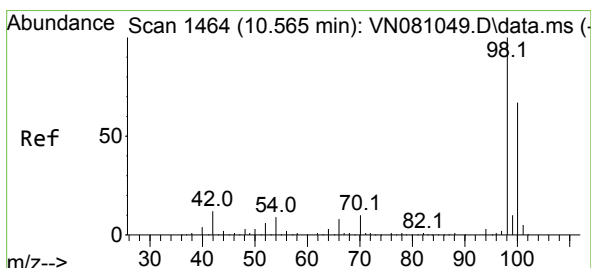
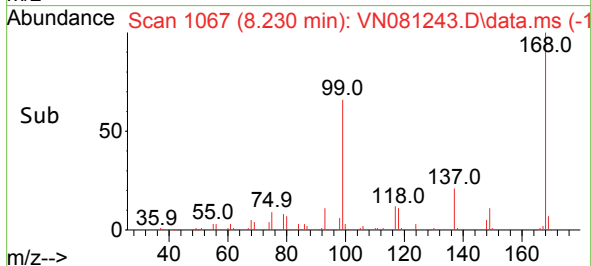
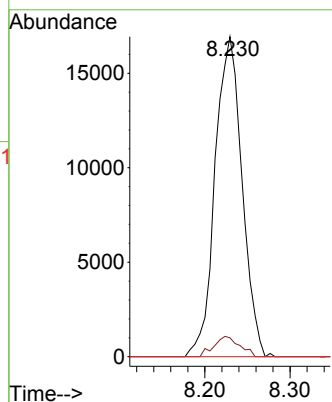
Tgt Ion:117 Resp: 37280

Ion Ratio Lower Upper

117 100

119 5.9 73.4 110.2#

121 0.0 24.4 36.6#



#50

Toluene-d8

Concen: 55.888 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN081243.D

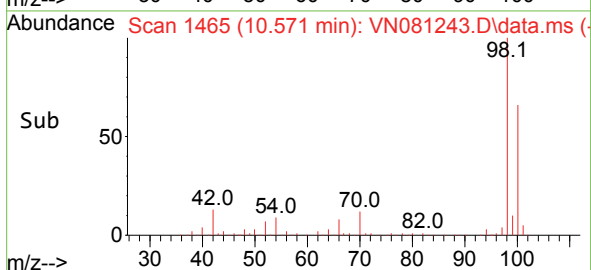
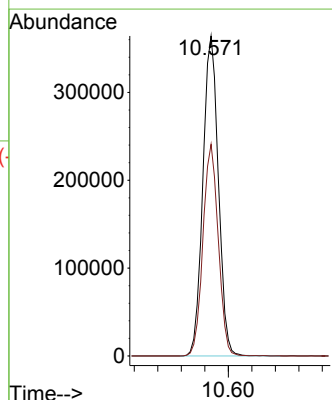
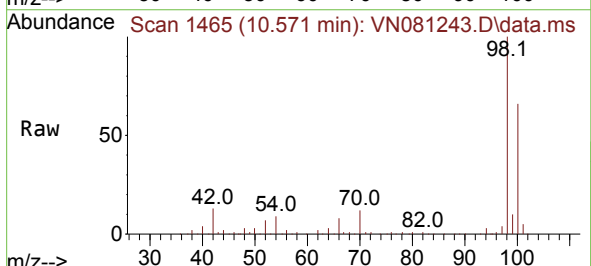
Acq: 28 Feb 2024 15:17

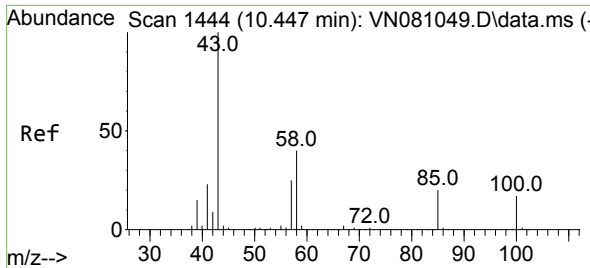
Tgt Ion: 98 Resp: 664699

Ion Ratio Lower Upper

98 100

100 65.3 51.4 77.0

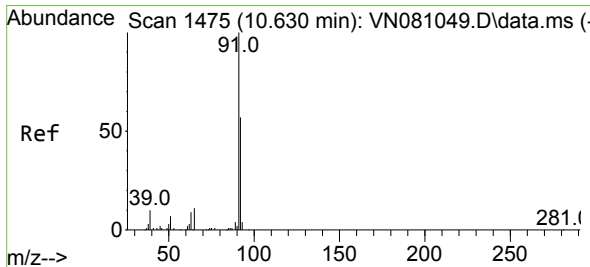
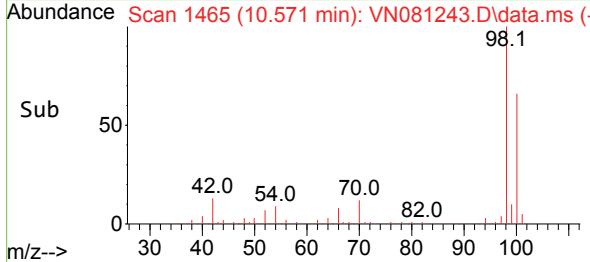
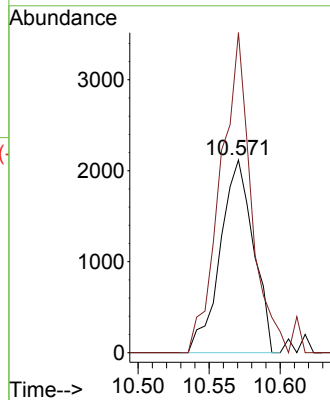
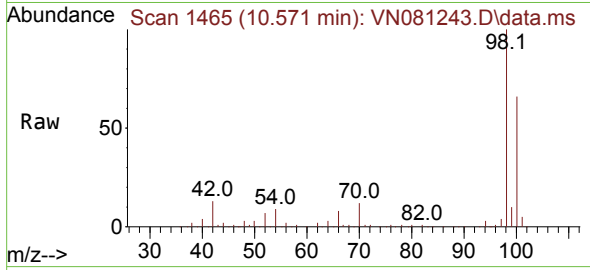




#51
4-Methyl-2-Pentanone
Concen: 0.660 ug/l
RT: 10.571 min Scan# 1444
Delta R.T. 0.123 min
Lab File: VN081243.D
Acq: 28 Feb 2024 15:17

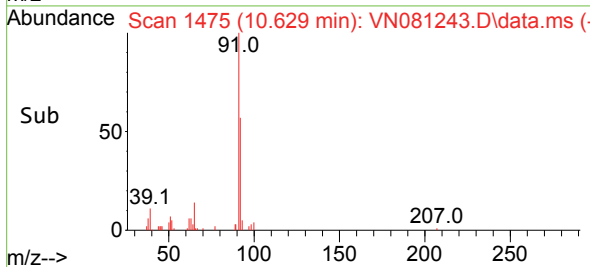
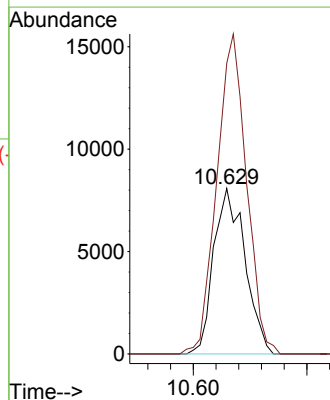
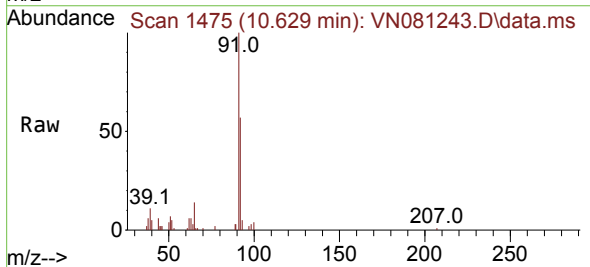
Instrument :
MSVOA_N
ClientSampleId :
DUP01-20240223

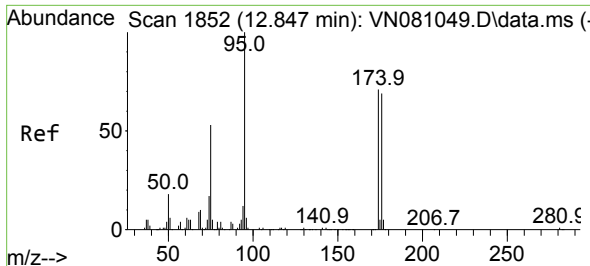
Tgt Ion: 43 Resp: 3438
Ion Ratio Lower Upper
43 100
58 153.8 29.4 44.0#



#52
Toluene
Concen: 1.469 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN081243.D
Acq: 28 Feb 2024 15:17

Tgt Ion: 92 Resp: 15447
Ion Ratio Lower Upper
92 100
91 183.6 139.4 209.0

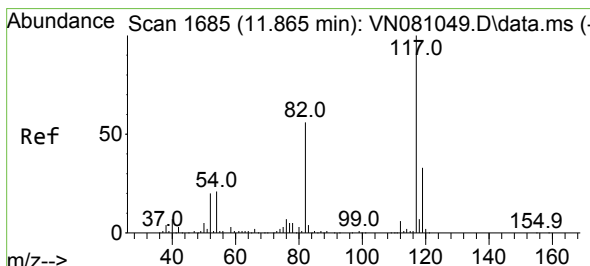
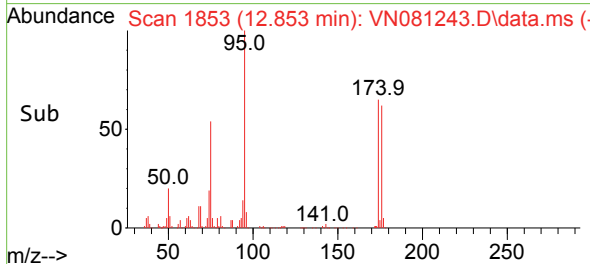
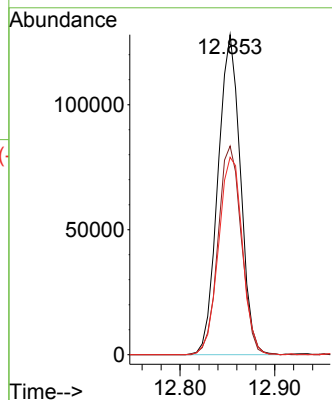
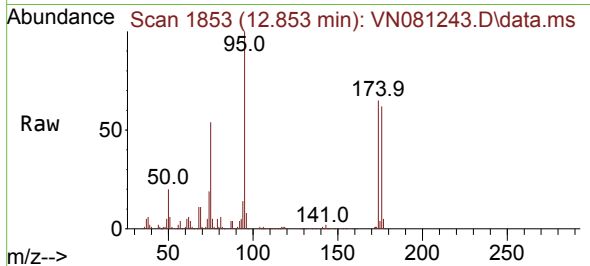




#62
4-Bromofluorobenzene
Concen: 47.341 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081243.D
Acq: 28 Feb 2024 15:17

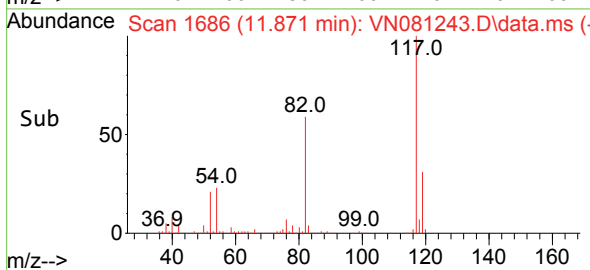
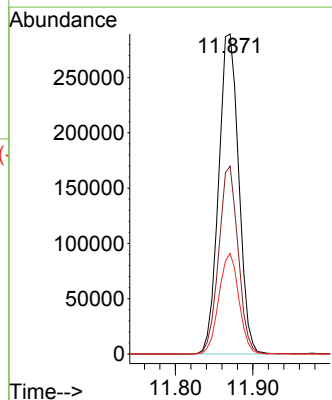
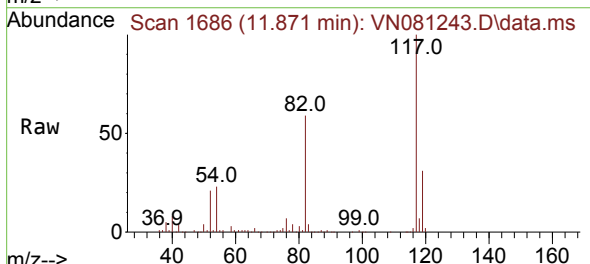
Instrument :
MSVOA_N
ClientSampleId :
DUP01-20240223

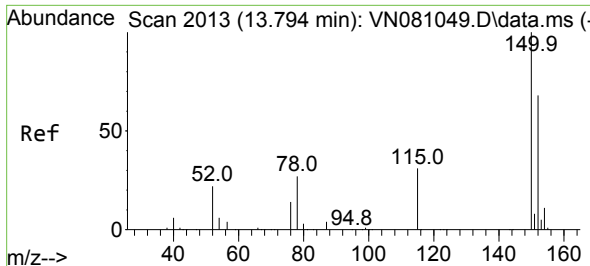
Tgt Ion: 95 Resp: 211566
Ion Ratio Lower Upper
95 100
174 67.6 0.0 120.4
176 65.5 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN081243.D
Acq: 28 Feb 2024 15:17

Tgt Ion: 117 Resp: 520769
Ion Ratio Lower Upper
117 100
82 58.7 52.7 79.1
119 31.4 25.3 37.9

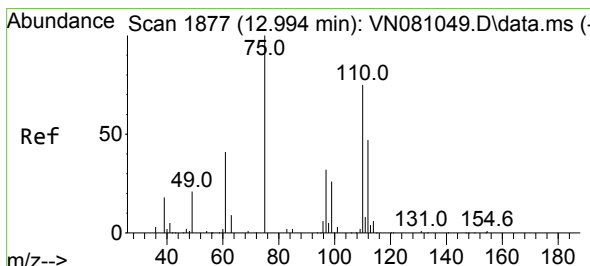
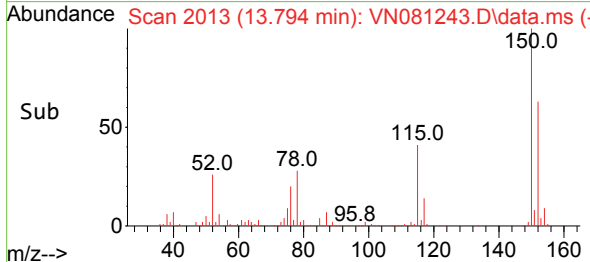
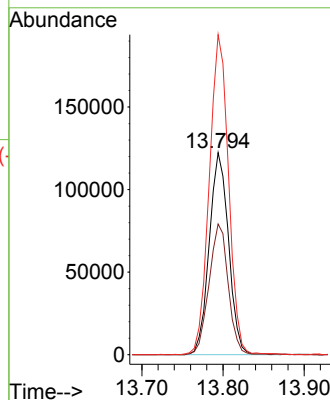
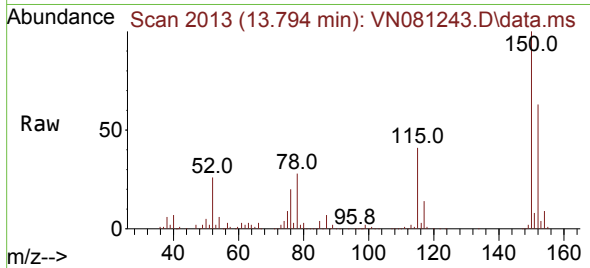




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. -0.000 min
 Lab File: VN081243.D
 Acq: 28 Feb 2024 15:17

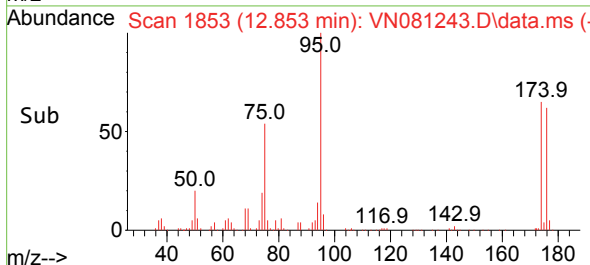
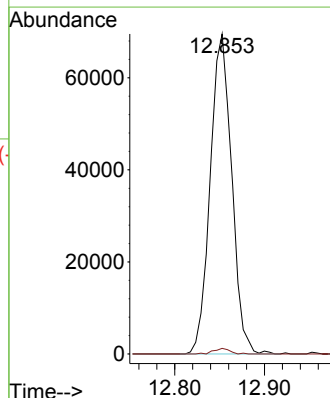
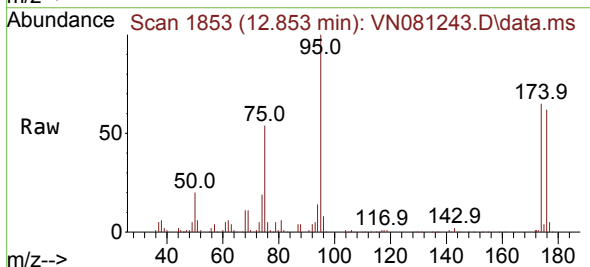
Instrument :
 MSVOA_N
 ClientSampleId :
 DUP01-20240223

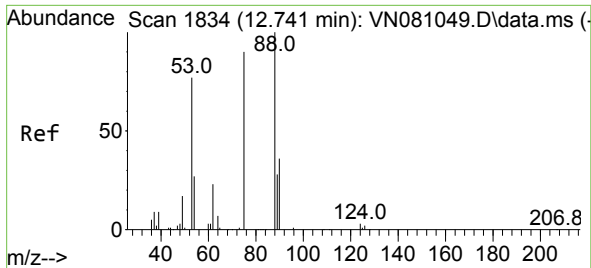
Tgt Ion:152 Resp: 201772
 Ion Ratio Lower Upper
 152 100
 115 64.5 32.3 96.8
 150 158.3 0.0 339.8



#76
 1,2,3-Trichloropropane
 Concen: 25.235 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN081243.D
 Acq: 28 Feb 2024 15:17

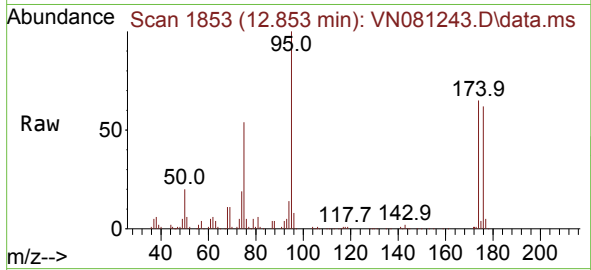
Tgt Ion: 75 Resp: 115688
 Ion Ratio Lower Upper
 75 100
 77 1.3 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.953 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN081243.D
 Acq: 28 Feb 2024 15:17

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP01-20240223



Tgt Ion: 75 Resp: 115688
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.0 33.4 50.0#

