

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022824\
 Data File : VN081256.D
 Acq On : 28 Feb 2024 20:29
 Operator : JC\MD
 Sample : P1587-12 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1825-A

Quant Time: Feb 28 23:32:43 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)

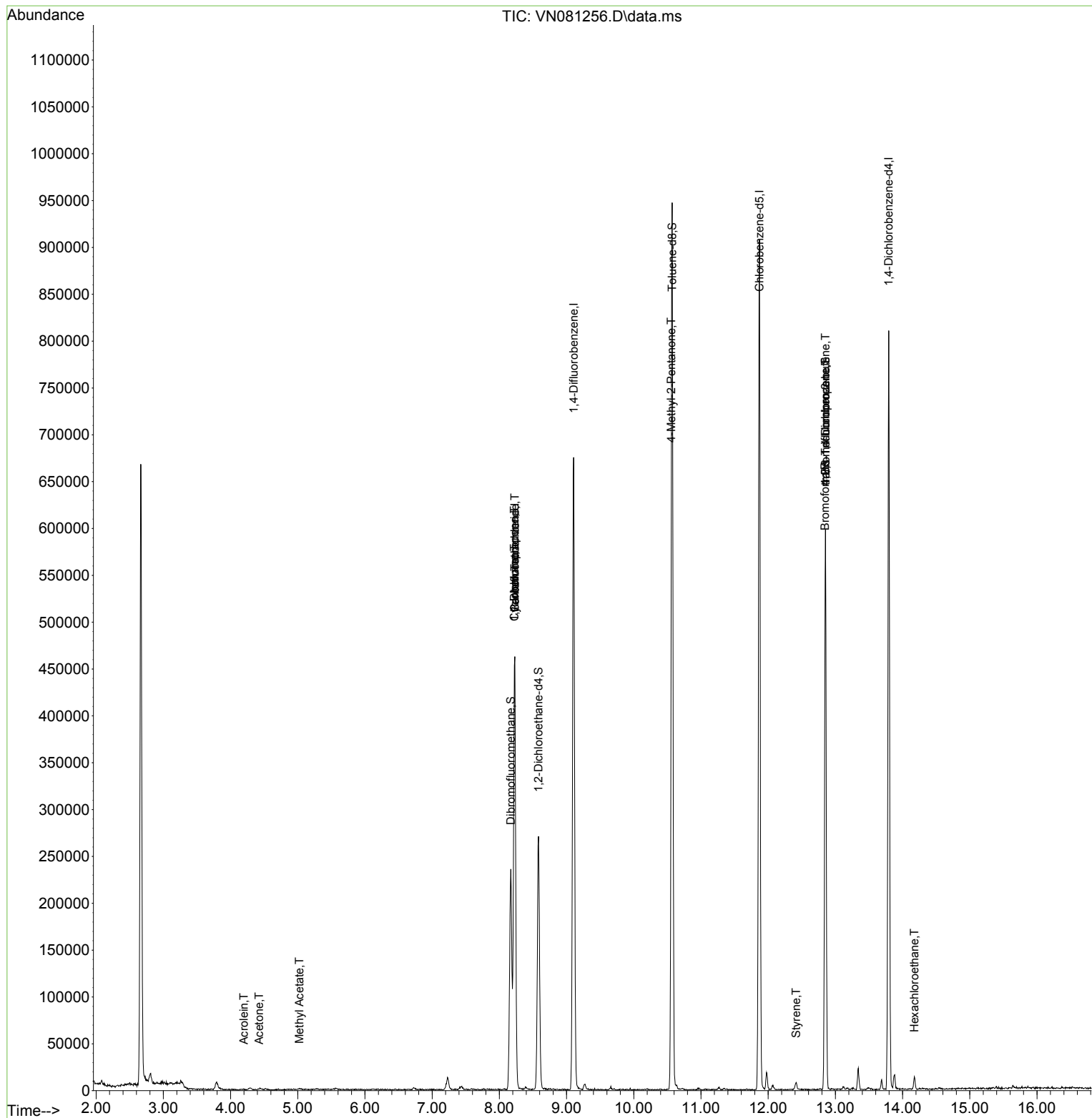
Internal Standards						
1) Pentafluorobenzene	8.230	168	314348	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	579040	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	512533	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	199002	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	217637	56.485	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.960%			
35) Dibromofluoromethane	8.171	113	164656	50.287	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.580%			
50) Toluene-d8	10.571	98	645091	55.471	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.940%			
62) 4-Bromofluorobenzene	12.853	95	205909	47.121	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.240%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	765	Below Cal	#	43
6) Chloroethane	3.159	64	154	Below Cal	#	42
13) Acrolein	4.200	56	301	0.793	ug/l #	1
16) Acetone	4.424	43	904	0.596	ug/l #	44
18) Methyl Acetate	5.024	43	758	0.205	ug/l #	73
20) Methylene Chloride	5.277	84	192	Below Cal	#	5
31) Cyclohexane	8.224	56	8235	1.238	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	29425	5.246	ug/l #	50
38) Carbon Tetrachloride	8.230	117	36093	6.360	ug/l #	17
51) 4-Methyl-2-Pentanone	10.559	43	3088	0.606	ug/l #	1
70) Styrene	12.418	104	2510	0.210	ug/l	88
71) Bromoform	12.847	173	1239	0.490	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	110369	24.410	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	110369	62.829	ug/l #	14
90) Hexachloroethane	14.176	117	635	0.273	ug/l #	21

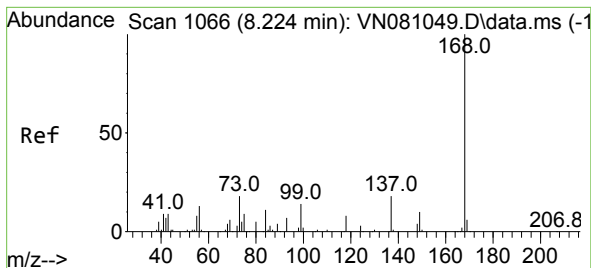
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN081256.D

Acq: 28 Feb 2024 20:29

Instrument :

MSVOA_N

ClientSampleId :

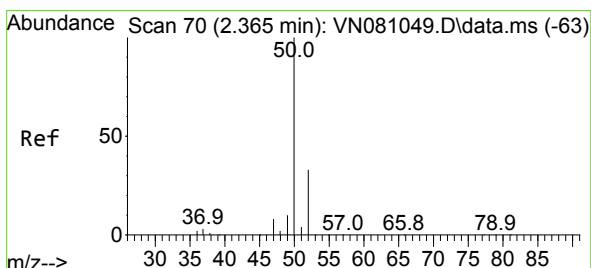
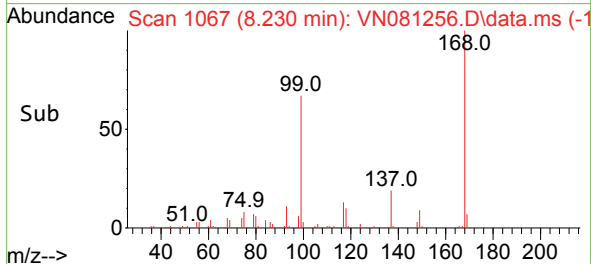
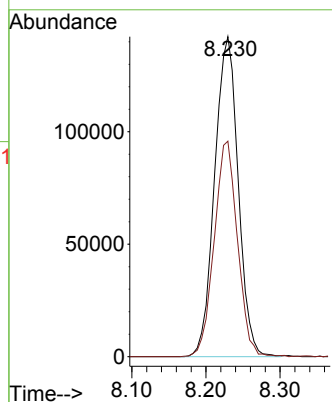
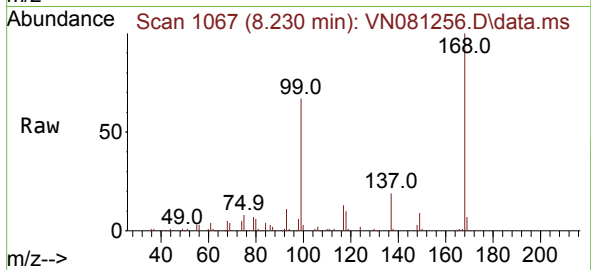
1825-A

Tgt Ion:168 Resp: 314348

Ion Ratio Lower Upper

168 100

99 67.3 59.9 89.9



#3

Chloromethane

Concen: Below Cal

RT: 2.359 min Scan# 69

Delta R.T. -0.006 min

Lab File: VN081256.D

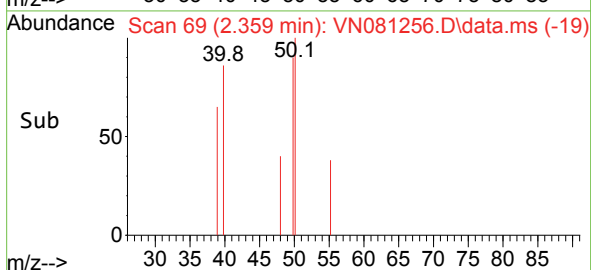
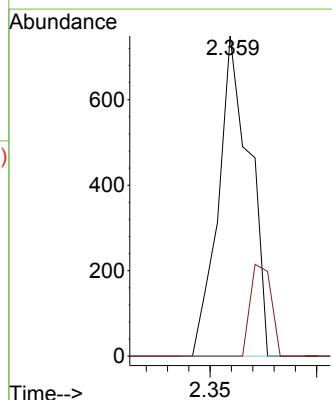
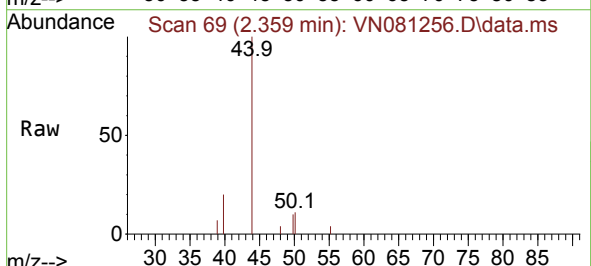
Acq: 28 Feb 2024 20:29

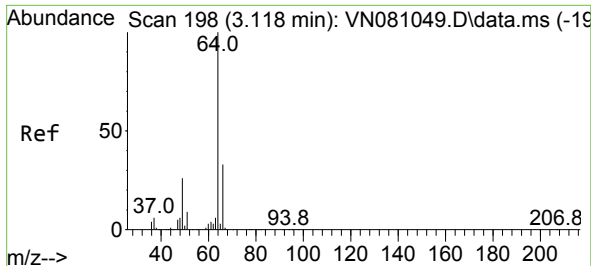
Tgt Ion: 50 Resp: 765

Ion Ratio Lower Upper

50 100

52 0.0 25.0 37.4#

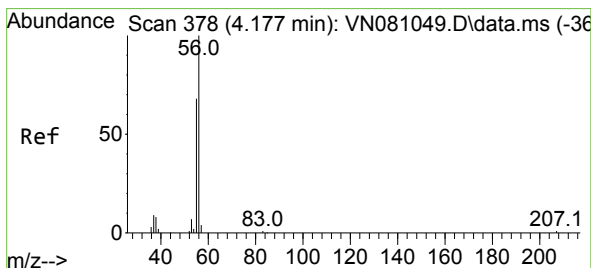
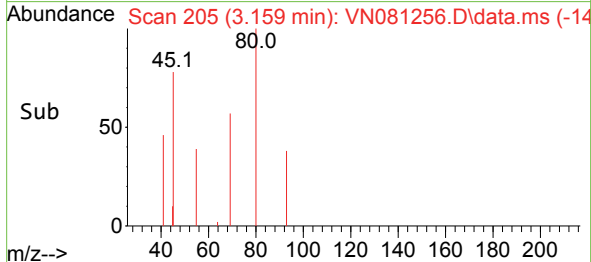
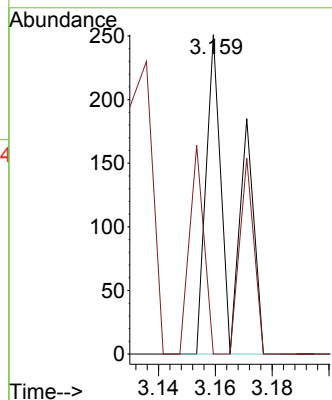
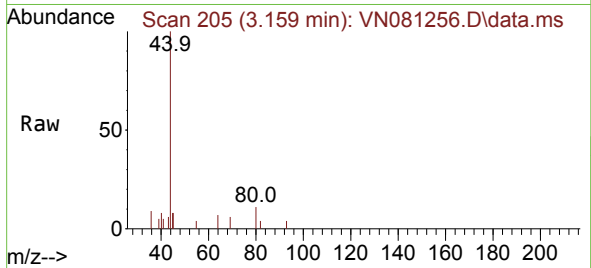




#6
Chloroethane
Concen: Below Cal
RT: 3.159 min Scan# 205
Delta R.T. 0.041 min
Lab File: VN081256.D
Acq: 28 Feb 2024 20:29

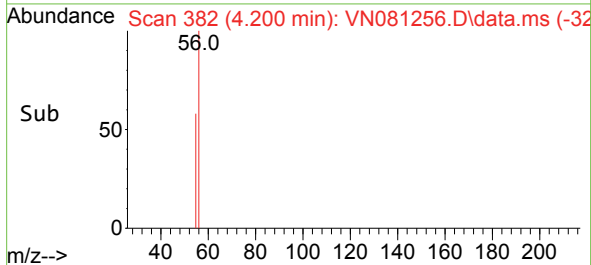
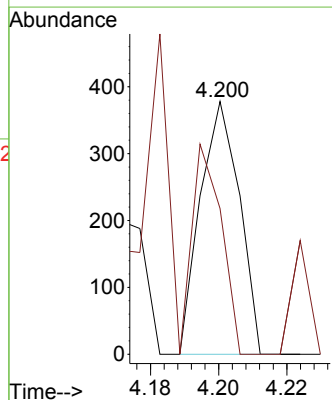
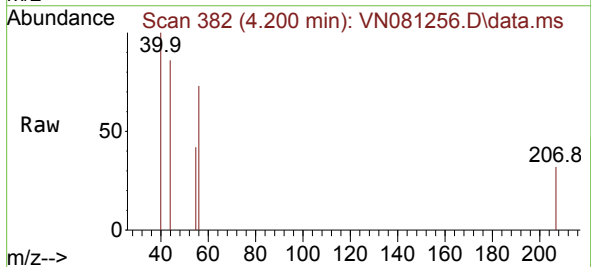
Instrument :
MSVOA_N
ClientSampleId :
1825-A

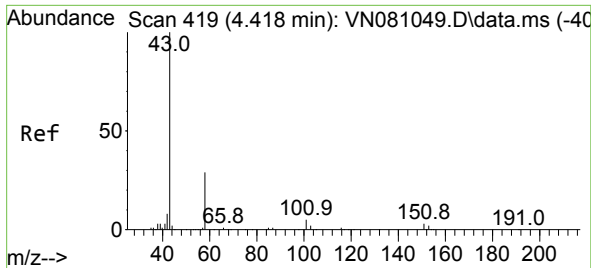
Tgt Ion: 64 Resp: 154
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#13
Acrolein
Concen: 0.793 ug/l
RT: 4.200 min Scan# 382
Delta R.T. 0.023 min
Lab File: VN081256.D
Acq: 28 Feb 2024 20:29

Tgt Ion: 56 Resp: 301
Ion Ratio Lower Upper
56 100
55 155.1 55.3 82.9#





#16

Acetone

Concen: 0.596 ug/l

RT: 4.424 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN081256.D

Acq: 28 Feb 2024 20:29

Instrument :

MSVOA_N

ClientSampleId :

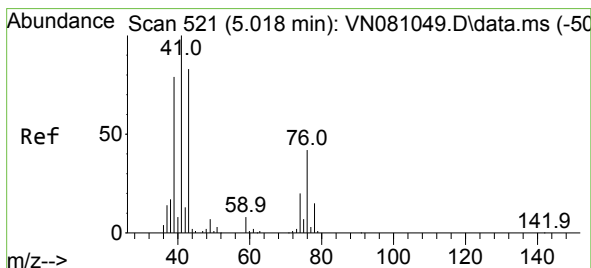
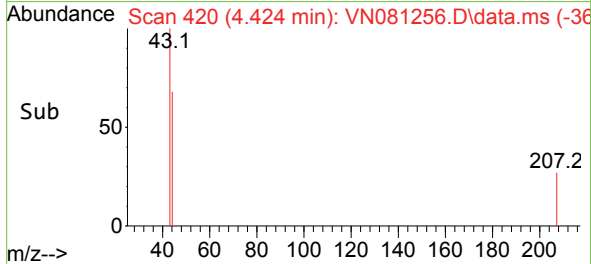
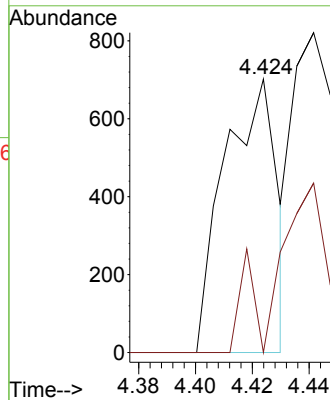
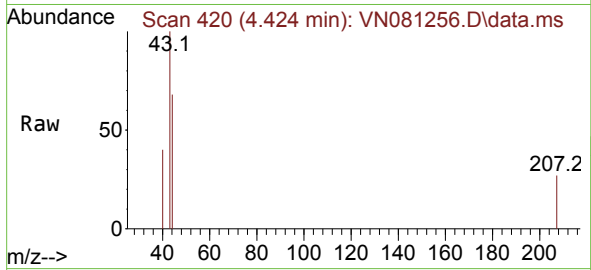
1825-A

Tgt Ion: 43 Resp: 904

Ion Ratio Lower Upper

43 100

58 0.0 24.8 37.2#



#18

Methyl Acetate

Concen: 0.205 ug/l

RT: 5.024 min Scan# 522

Delta R.T. 0.006 min

Lab File: VN081256.D

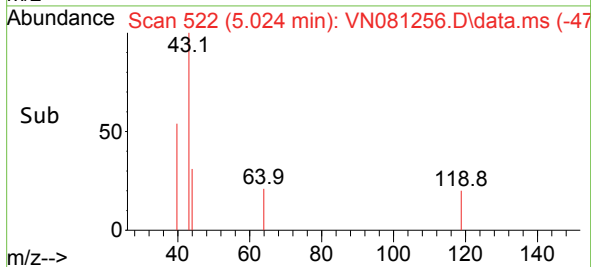
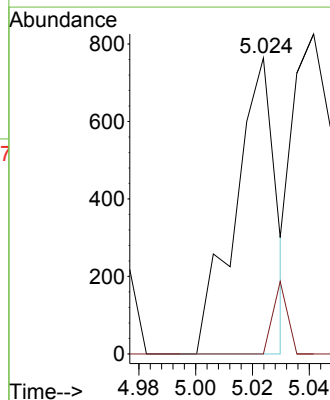
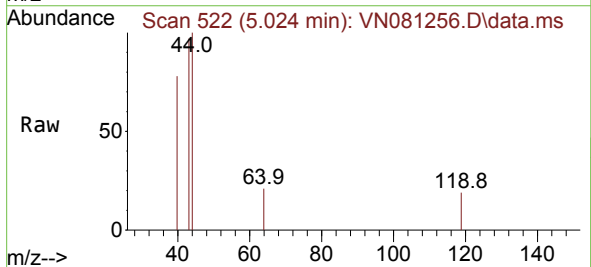
Acq: 28 Feb 2024 20:29

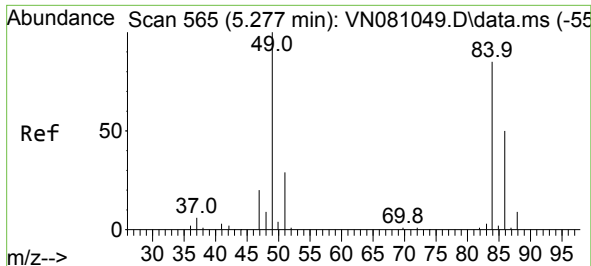
Tgt Ion: 43 Resp: 758

Ion Ratio Lower Upper

43 100

74 8.7 17.3 25.9#

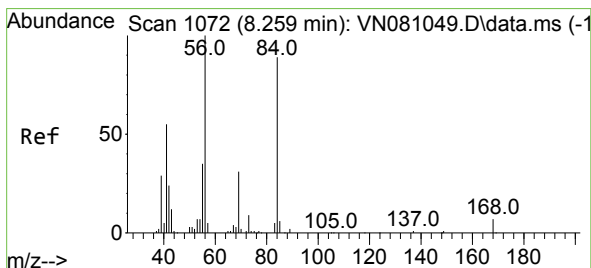
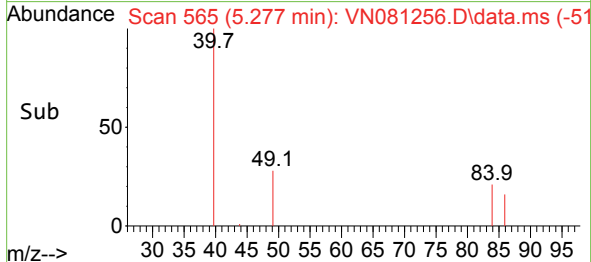
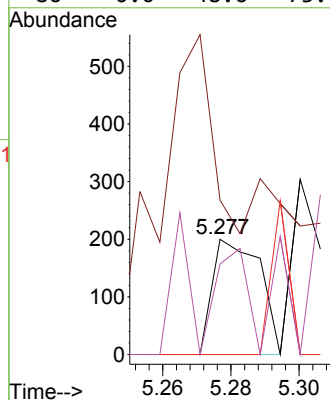
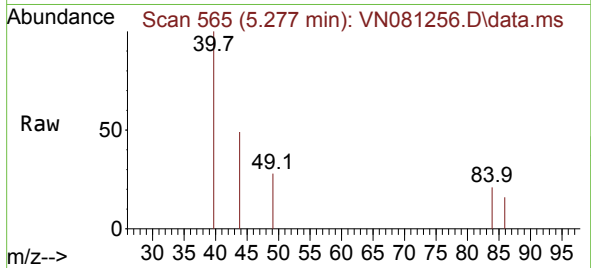




#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN081256.D
Acq: 28 Feb 2024 20:29

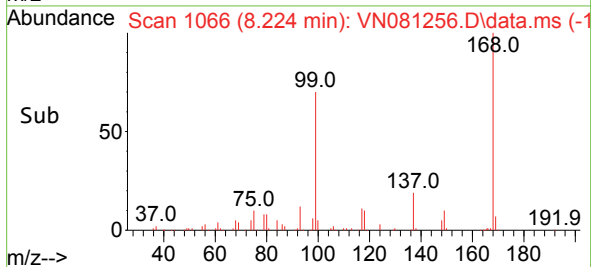
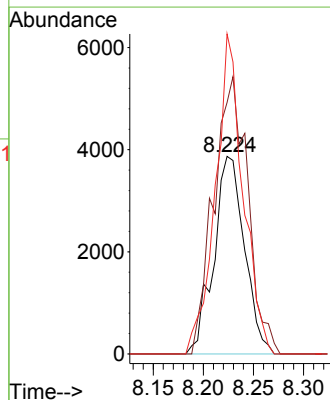
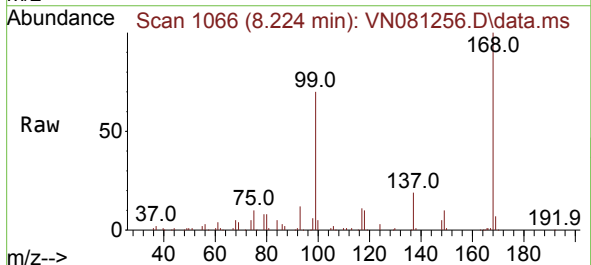
Instrument :
MSVOA_N
ClientSampleId :
1825-A

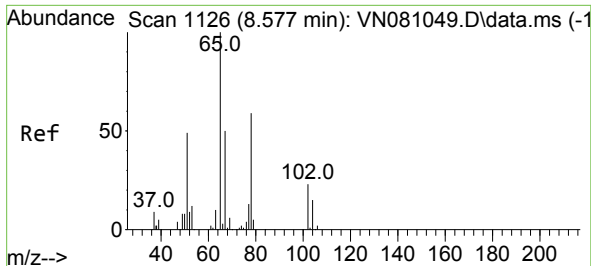
Tgt Ion:	84	Resp:	192
Ion	Ratio	Lower	Upper
84	100		
49	3.0	108.1	162.1#
51	0.0	32.9	49.3#
86	0.0	48.6	73.0#



#31
Cyclohexane
Concen: 1.238 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081256.D
Acq: 28 Feb 2024 20:29

Tgt Ion:	56	Resp:	8235
Ion	Ratio	Lower	Upper
56	100		
69	127.4	20.1	30.1#
84	162.0	56.9	85.3#





#33

1,2-Dichloroethane-d4

Concen: 56.485 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN081256.D

Acq: 28 Feb 2024 20:29

Instrument :

MSVOA_N

ClientSampleId :

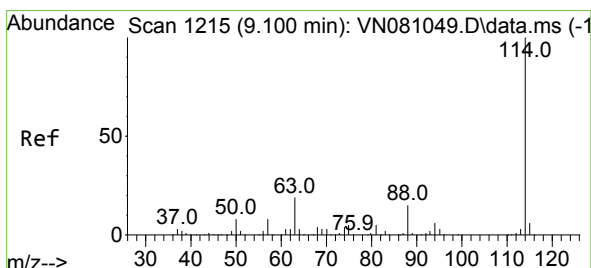
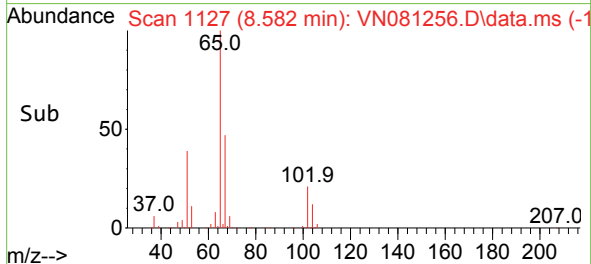
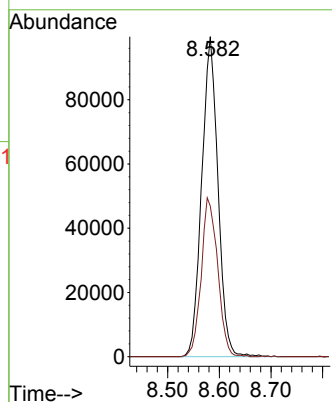
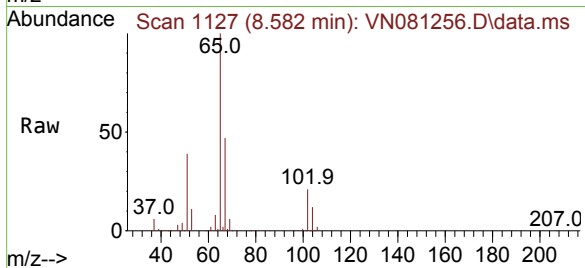
1825-A

Tgt Ion: 65 Resp: 217637

Ion Ratio Lower Upper

65 100

67 50.2 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: VN081256.D

Acq: 28 Feb 2024 20:29

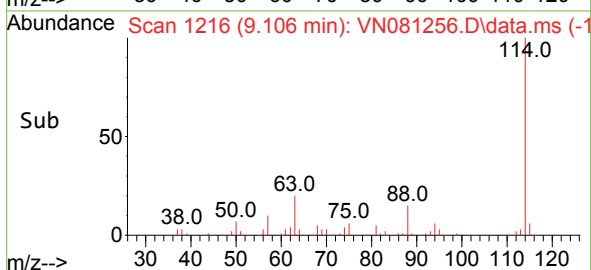
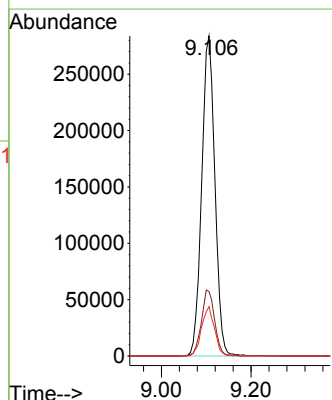
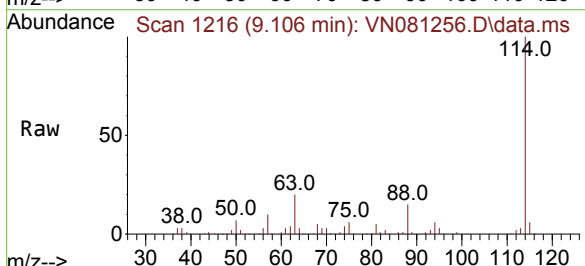
Tgt Ion: 114 Resp: 579040

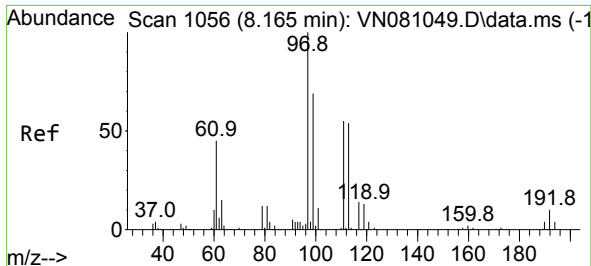
Ion Ratio Lower Upper

114 100

63 20.1 0.0 48.0

88 15.4 0.0 34.8

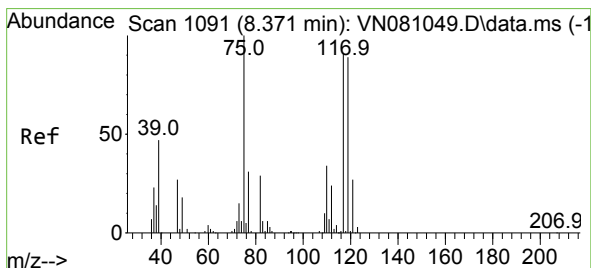
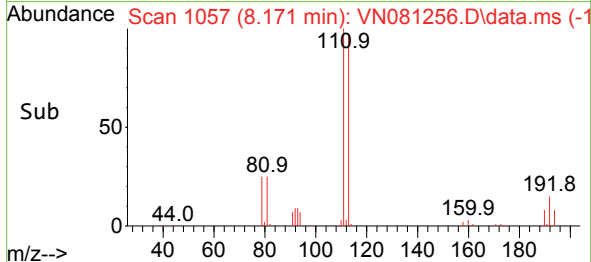
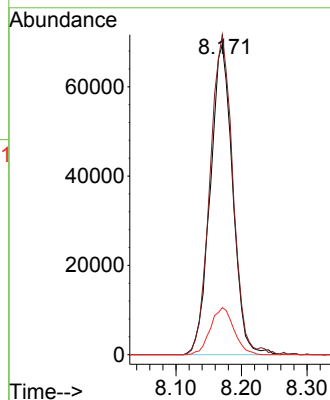
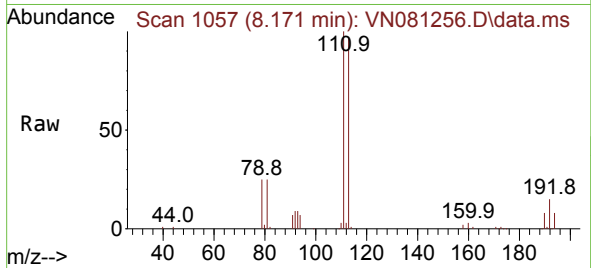




#35
Dibromofluoromethane
Concen: 50.287 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN081256.D
Acq: 28 Feb 2024 20:29

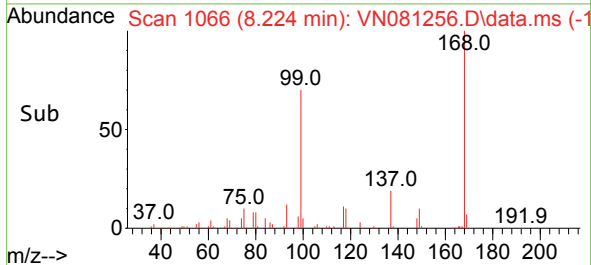
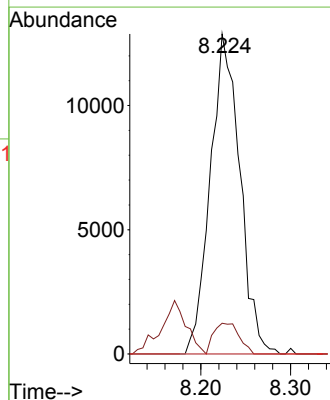
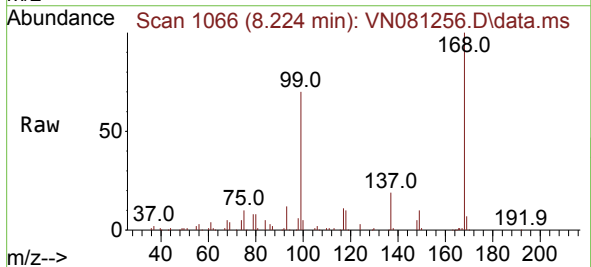
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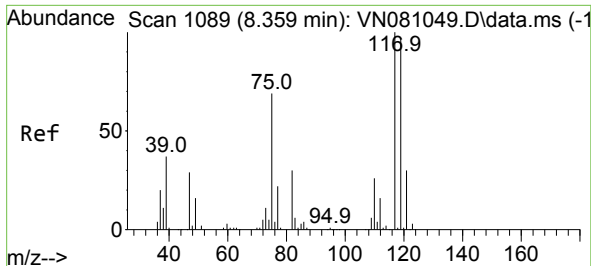
Tgt Ion:113 Resp: 164656
Ion Ratio Lower Upper
113 100
111 105.4 82.2 123.4
192 15.9 12.5 18.7



#36
1,1-Dichloropropene
Concen: 5.246 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081256.D
Acq: 28 Feb 2024 20:29

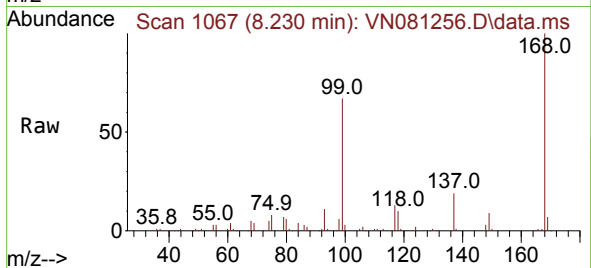
Tgt Ion: 75 Resp: 29425
Ion Ratio Lower Upper
75 100
110 8.3 16.0 48.0#
77 0.0 25.8 38.6#



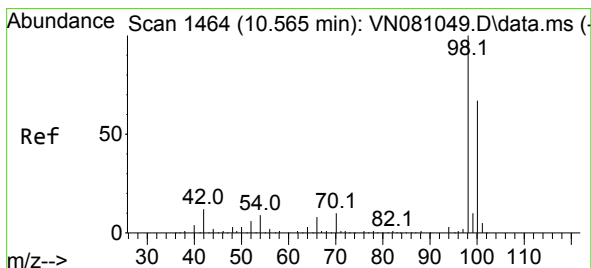
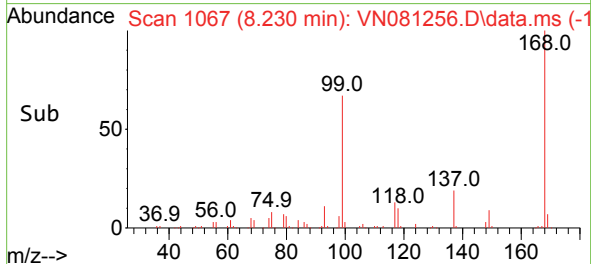
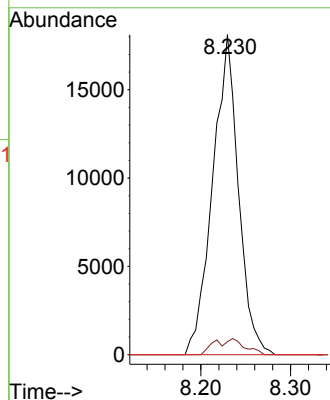


#38
Carbon Tetrachloride
Concen: 6.360 ug/l
RT: 8.230 min Scan# 1089
Delta R.T. -0.130 min
Lab File: VN081256.D
Acq: 28 Feb 2024 20:29

Instrument :
MSVOA_N
ClientSampleId :
1825-A

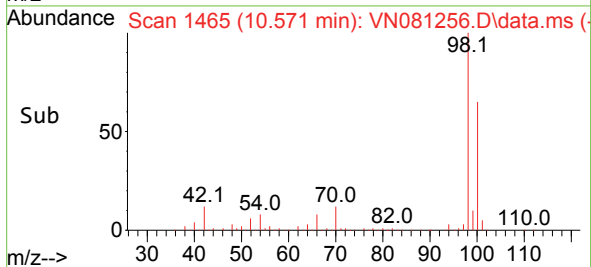
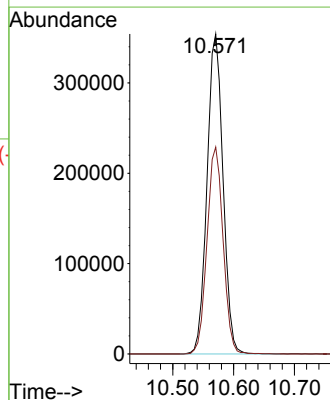
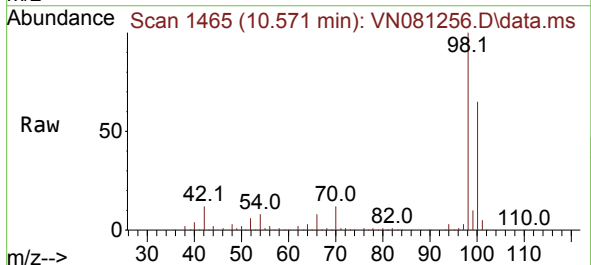


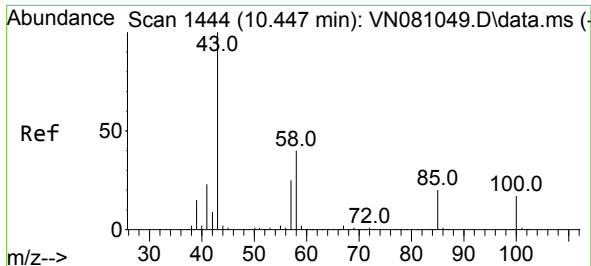
Tgt Ion:117 Resp: 36093
Ion Ratio Lower Upper
117 100
119 4.1 73.4 110.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 55.471 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081256.D
Acq: 28 Feb 2024 20:29

Tgt Ion: 98 Resp: 645091
Ion Ratio Lower Upper
98 100
100 65.1 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 0.606 ug/l

RT: 10.559 min Scan# 1444

Delta R.T. 0.112 min

Lab File: VN081256.D

Acq: 28 Feb 2024 20:29

Instrument :

MSVOA_N

ClientSampleId :

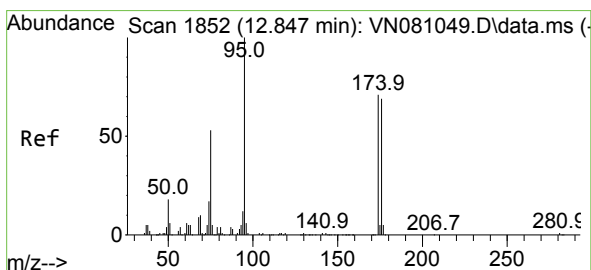
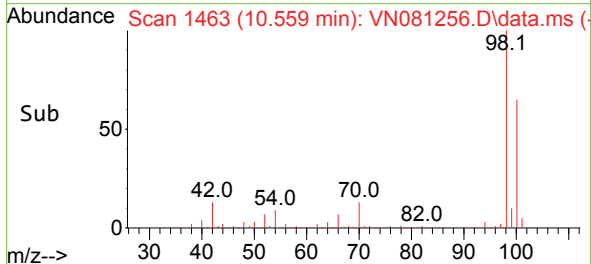
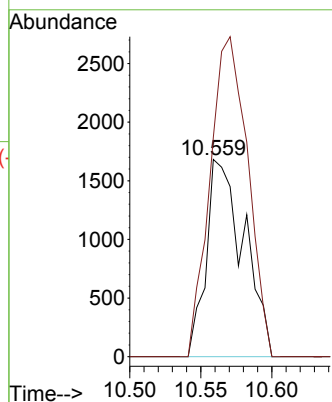
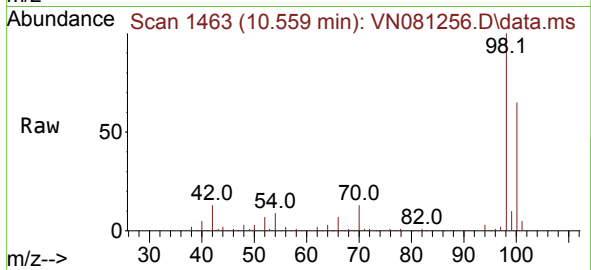
1825-A

Tgt Ion: 43 Resp: 3088

Ion Ratio Lower Upper

43 100

58 163.6 29.4 44.0#



#62

4-Bromofluorobenzene

Concen: 47.121 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VN081256.D

Acq: 28 Feb 2024 20:29

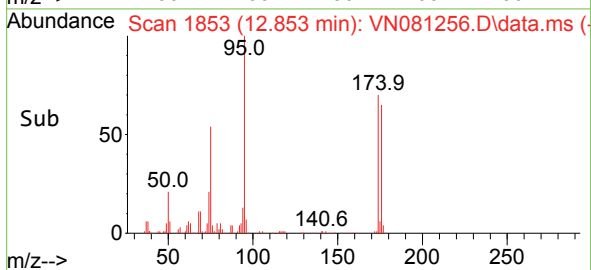
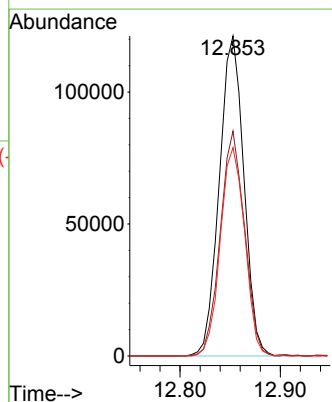
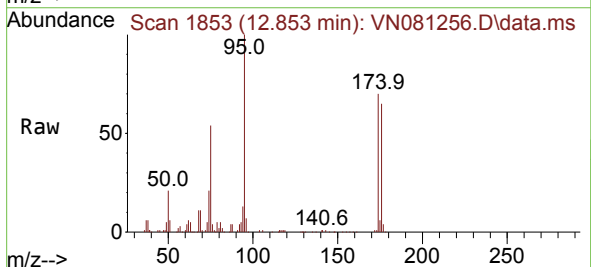
Tgt Ion: 95 Resp: 205909

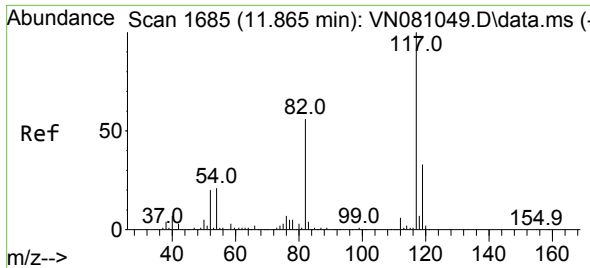
Ion Ratio Lower Upper

95 100

174 69.4 0.0 120.4

176 64.7 0.0 121.0

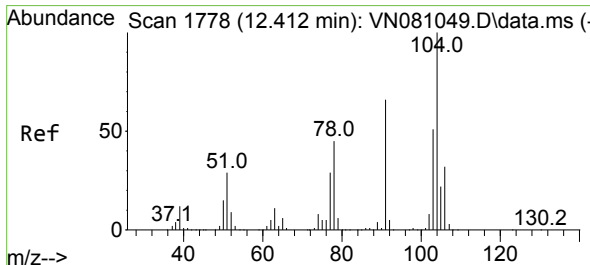
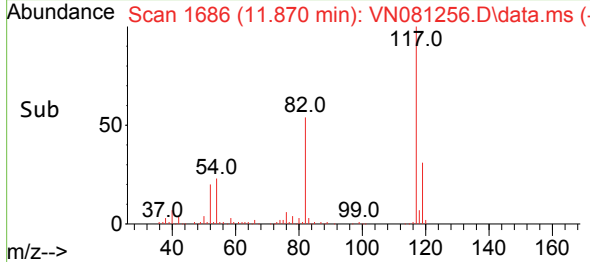
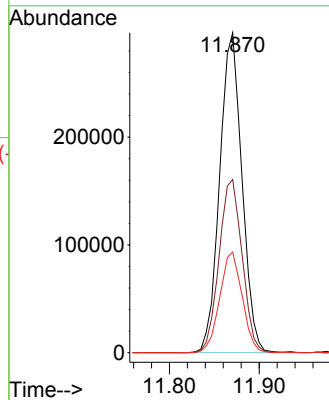
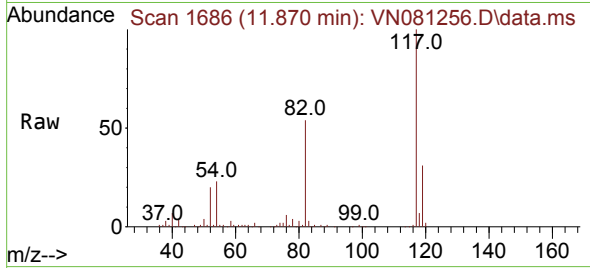




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081256.D
Acq: 28 Feb 2024 20:29

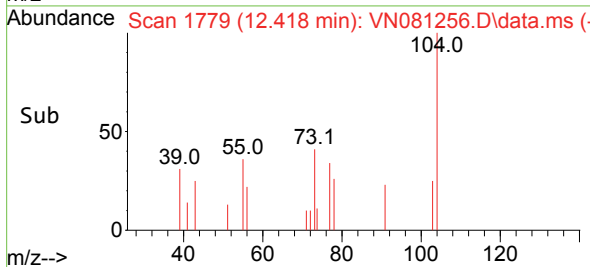
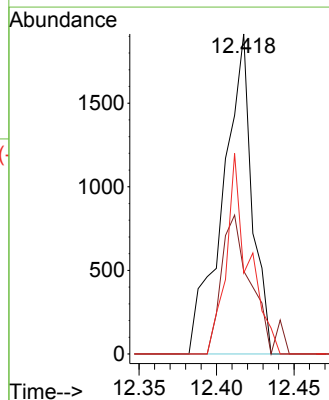
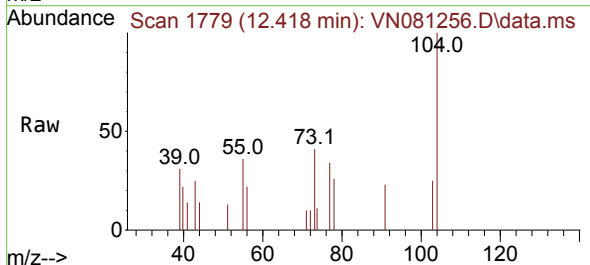
Instrument :
MSVOA_N
ClientSampleId :
1825-A

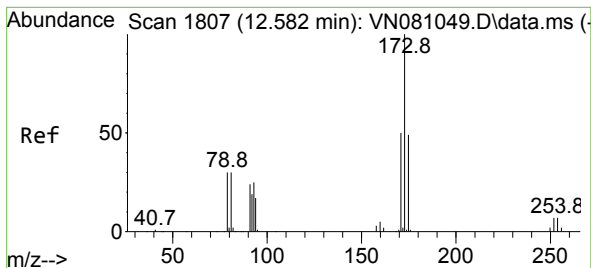
Tgt Ion:117 Resp: 512533
Ion Ratio Lower Upper
117 100
82 54.1 52.7 79.1
119 31.5 25.3 37.9



#70
Styrene
Concen: 0.210 ug/l
RT: 12.418 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VN081256.D
Acq: 28 Feb 2024 20:29

Tgt Ion:104 Resp: 2510
Ion Ratio Lower Upper
104 100
78 44.8 43.8 65.8
103 47.6 44.2 66.2





#71

Bromoform

Concen: 0.490 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.265 min

Lab File: VN081256.D

Acq: 28 Feb 2024 20:29

Instrument :

MSVOA_N

ClientSampleId :

1825-A

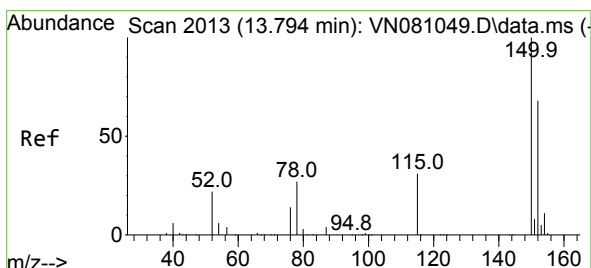
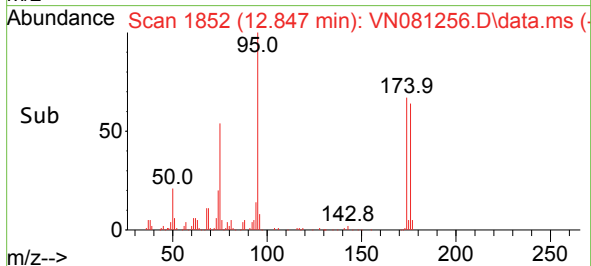
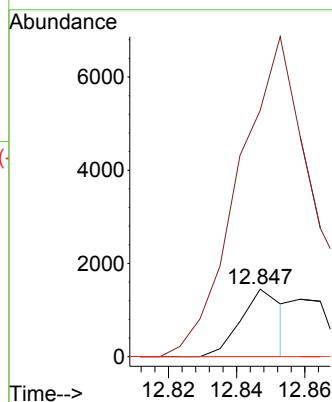
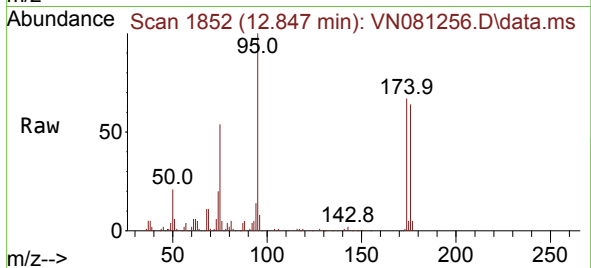
Tgt Ion:173 Resp: 1239

Ion Ratio Lower Upper

173 100

175 688.5 23.1 69.2#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN081256.D

Acq: 28 Feb 2024 20:29

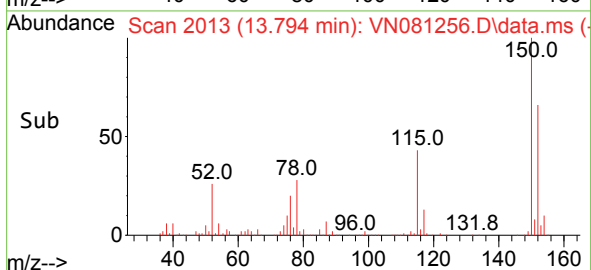
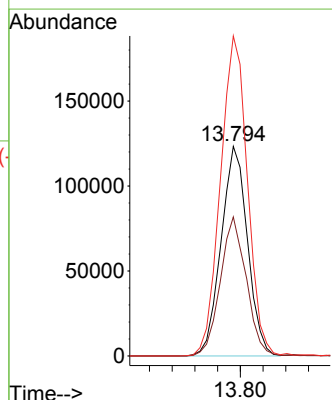
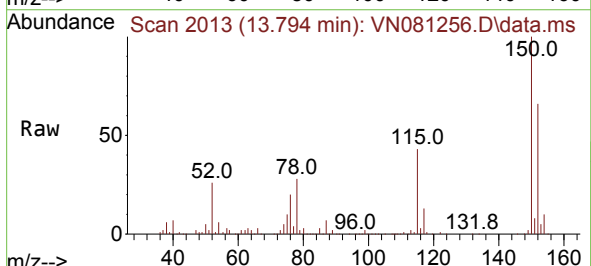
Tgt Ion:152 Resp: 199002

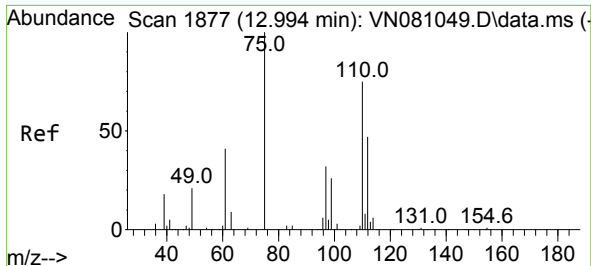
Ion Ratio Lower Upper

152 100

115 65.4 32.3 96.8

150 156.5 0.0 339.8

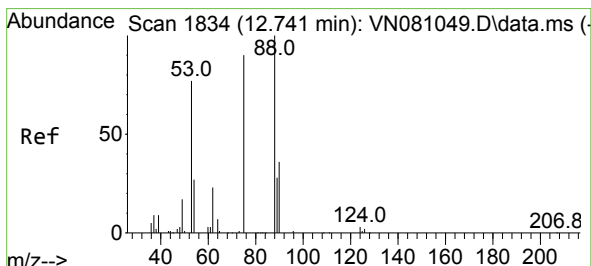
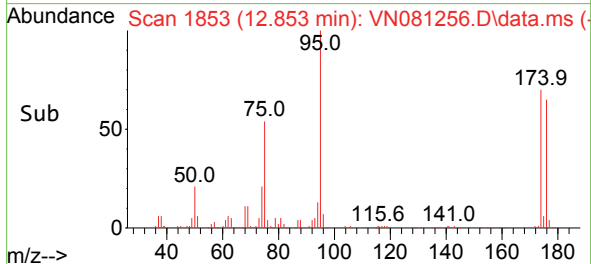
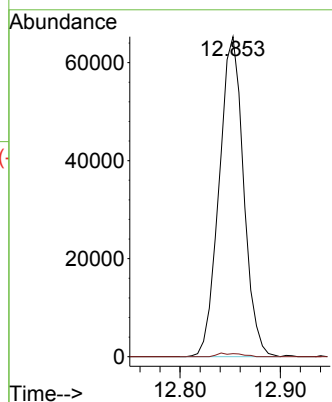
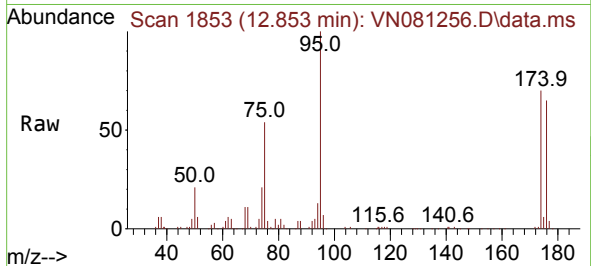




#76
1,2,3-Trichloropropane
Concen: 24.410 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN081256.D
Acq: 28 Feb 2024 20:29

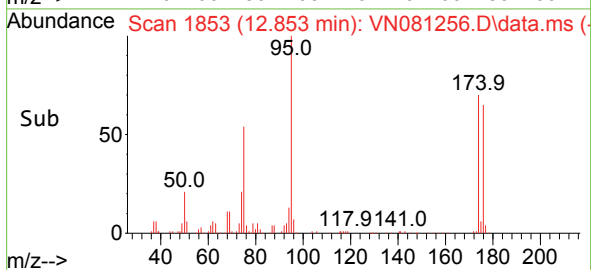
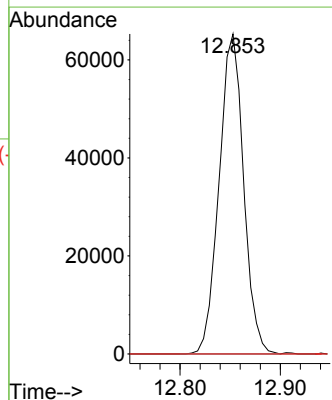
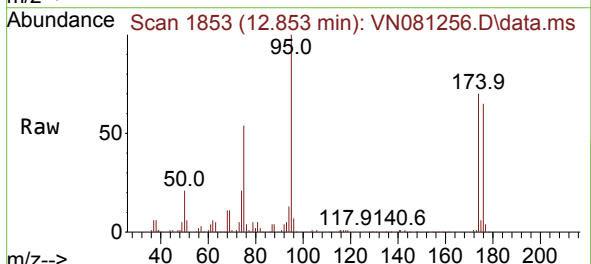
Instrument :
MSVOA_N
ClientSampleId :
1825-A

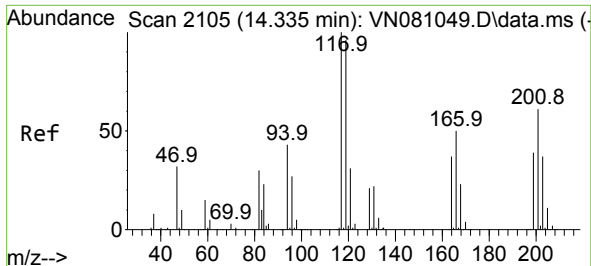
Tgt Ion: 75 Resp: 110369
Ion Ratio Lower Upper
75 100
77 1.1 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.829 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN081256.D
Acq: 28 Feb 2024 20:29

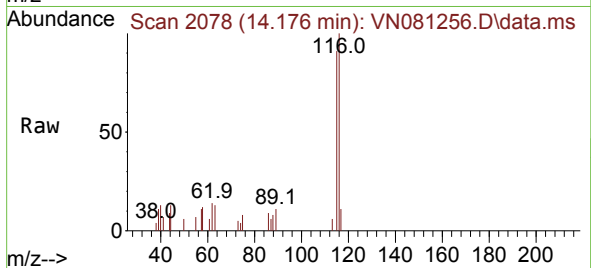
Tgt Ion: 75 Resp: 110369
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#





#90
 Hexachloroethane
 Concen: 0.273 ug/l
 RT: 14.176 min Scan# 20
 Delta R.T. -0.159 min
 Lab File: VN081256.D
 Acq: 28 Feb 2024 20:29

Instrument :
 MSVOA_N
 ClientSampleId :
 1825-A



Tgt Ion:117 Resp: 635
 Ion Ratio Lower Upper
 117 100
 201 0.0 30.0 90.0#

