

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022824\
 Data File : VN081257.D
 Acq On : 28 Feb 2024 20:53
 Operator : JC\MD
 Sample : P1587-13 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 122

Quant Time: Feb 28 23:33:06 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)

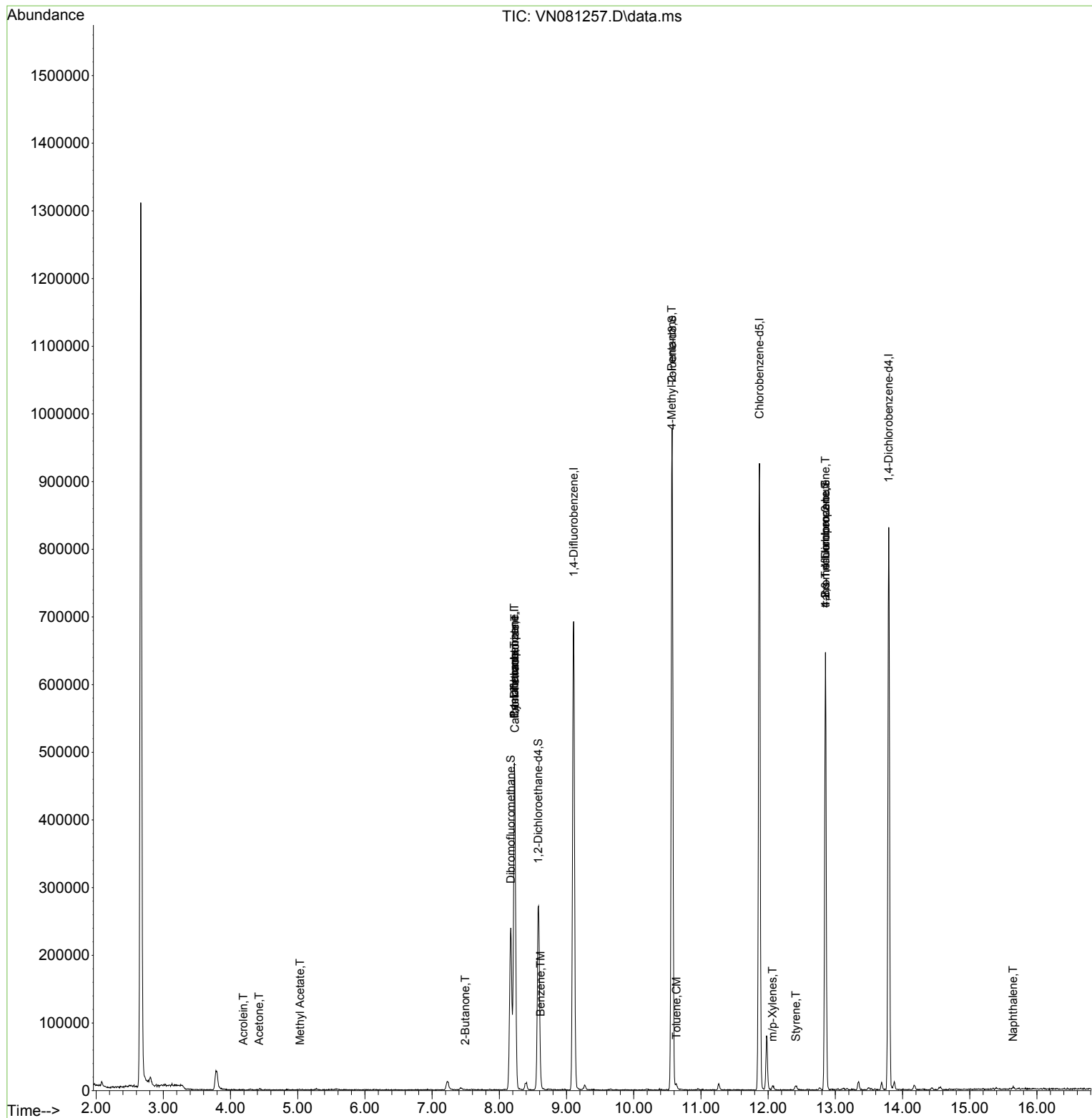
Internal Standards						
1) Pentafluorobenzene	8.224	168	320104	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	594407	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	528552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	209025	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	223935	57.074	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.140%			
35) Dibromofluoromethane	8.171	113	172234	51.242	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.480%			
50) Toluene-d8	10.571	98	656426	54.986	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.980%			
62) 4-Bromofluorobenzene	12.853	95	217571	48.503	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.000%			
Target Compounds					Qvalue	
3) Chloromethane	2.365	50	766	Below Cal		96
6) Chloroethane	3.112	64	108	Below Cal	#	42
13) Acrolein	4.189	56	360	0.931	ug/l	93
16) Acetone	4.424	43	2343	1.518	ug/l #	83
18) Methyl Acetate	5.036	43	1025	0.272	ug/l #	68
20) Methylene Chloride	5.289	84	947	Below Cal	#	30
25) 2-Butanone	7.494	43	876	0.351	ug/l #	51
31) Cyclohexane	8.224	56	9424	1.391	ug/l #	4
36) 1,1-Dichloropropene	8.224	75	28962	5.029	ug/l #	51
38) Carbon Tetrachloride	8.230	117	35018	6.011	ug/l #	20
40) Benzene	8.612	78	3587	0.215	ug/l #	41
51) 4-Methyl-2-Pentanone	10.565	43	3531	0.675	ug/l #	1
52) Toluene	10.635	92	3256	0.309	ug/l	98
68) m/p-Xylenes	12.065	106	2600	0.331	ug/l #	70
70) Styrene	12.412	104	2622	0.213	ug/l #	90
76) 1,2,3-Trichloropropane	12.853	75	119447	25.151	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	119447	64.737	ug/l #	14
95) Naphthalene	15.647	128	3558	0.234	ug/l #	86

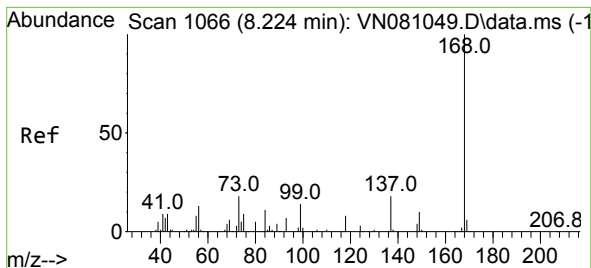
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN081257.D

Acq: 28 Feb 2024 20:53

Instrument :

MSVOA_N

ClientSampleId :

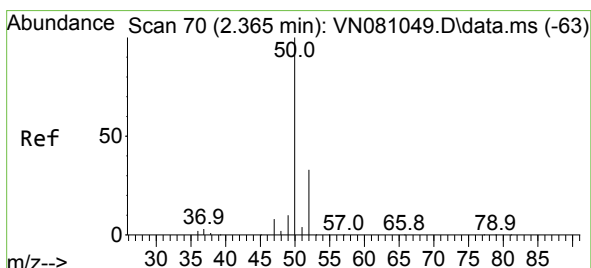
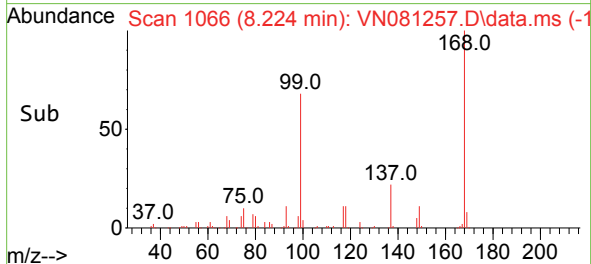
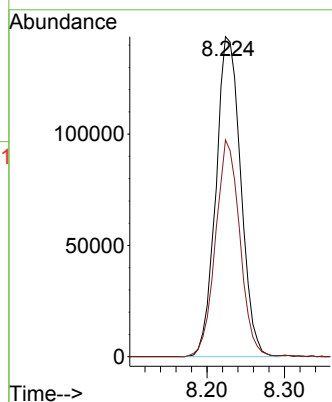
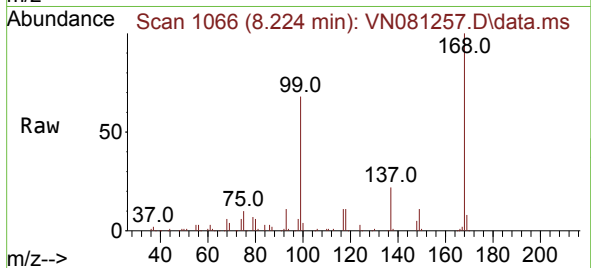
122

Tgt Ion:168 Resp: 320104

Ion Ratio Lower Upper

168 100

99 67.8 59.9 89.9



#3

Chloromethane

Concen: Below Cal

RT: 2.365 min Scan# 70

Delta R.T. 0.000 min

Lab File: VN081257.D

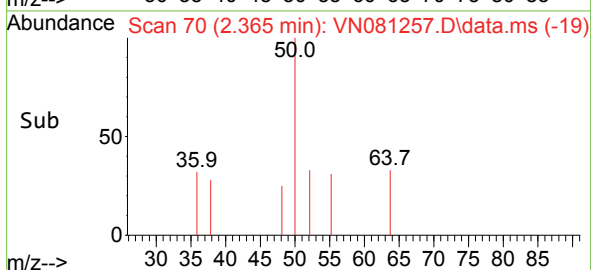
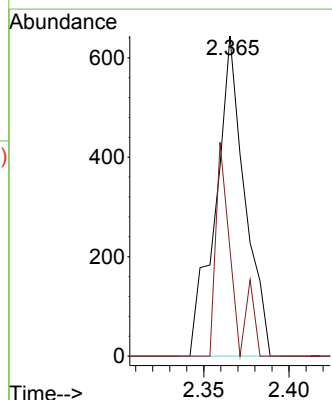
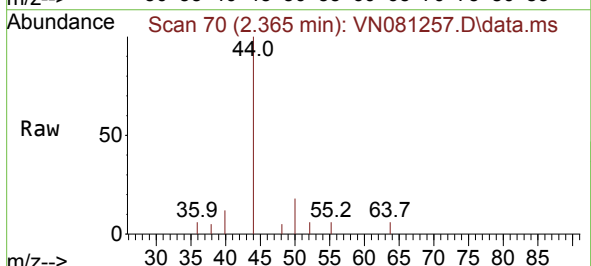
Acq: 28 Feb 2024 20:53

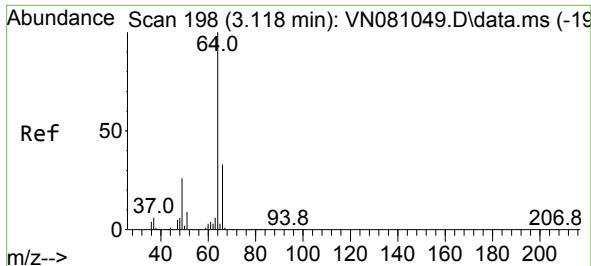
Tgt Ion: 50 Resp: 766

Ion Ratio Lower Upper

50 100

52 33.4 25.0 37.4

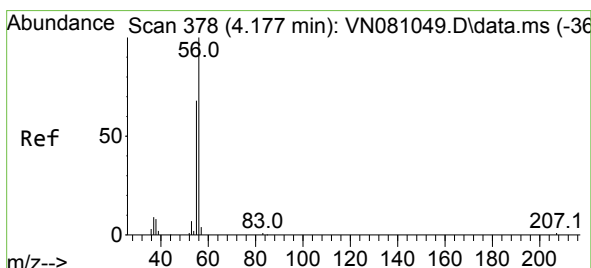
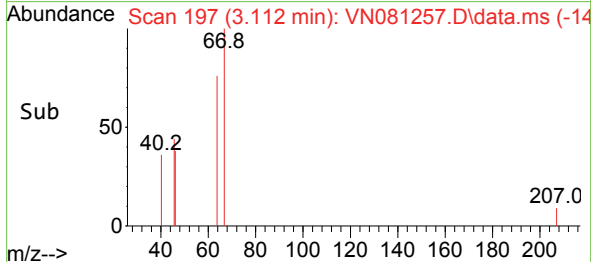
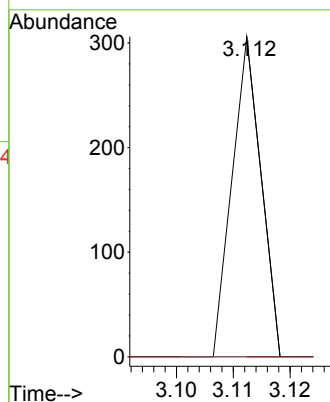
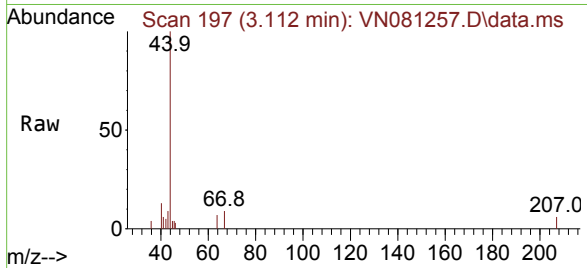




#6
Chloroethane
Concen: Below Cal
RT: 3.112 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN081257.D
Acq: 28 Feb 2024 20:53

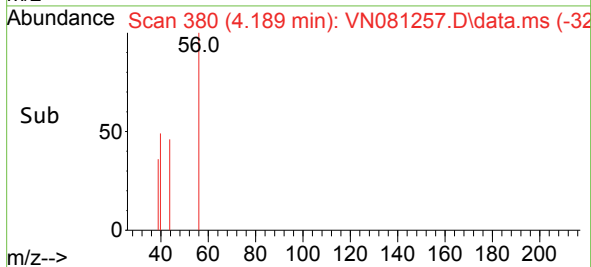
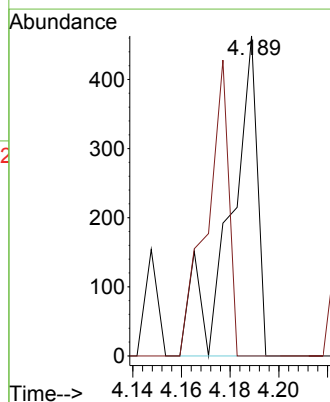
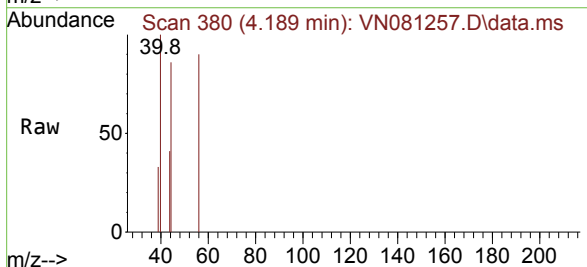
Instrument :
MSVOA_N
ClientSampleId :
122

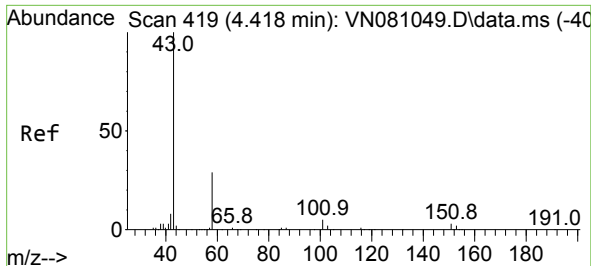
Tgt Ion: 64 Resp: 108
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#13
Acrolein
Concen: 0.931 ug/l
RT: 4.189 min Scan# 380
Delta R.T. 0.012 min
Lab File: VN081257.D
Acq: 28 Feb 2024 20:53

Tgt Ion: 56 Resp: 360
Ion Ratio Lower Upper
56 100
55 74.4 55.3 82.9

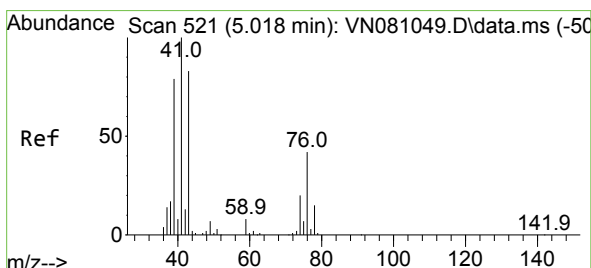
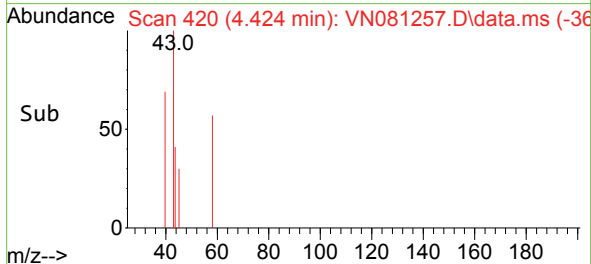
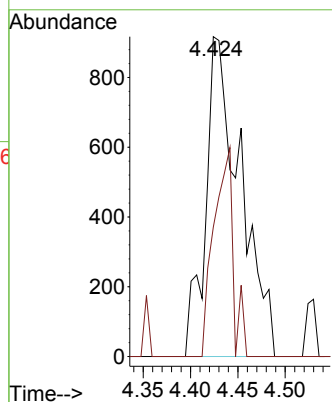
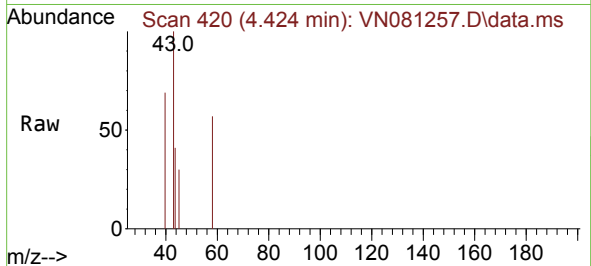




#16
Acetone
Concen: 1.518 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN081257.D
Acq: 28 Feb 2024 20:53

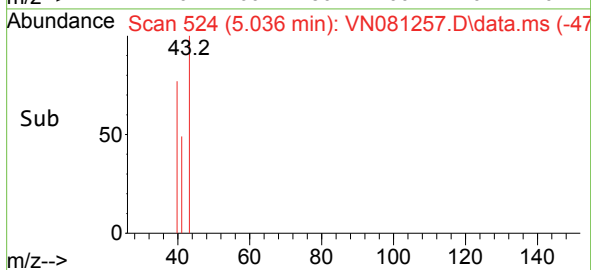
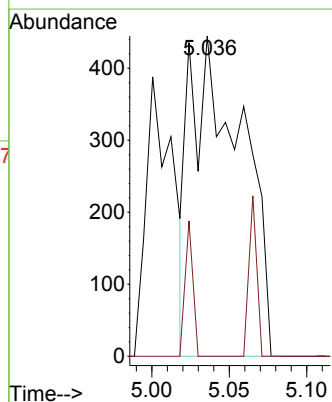
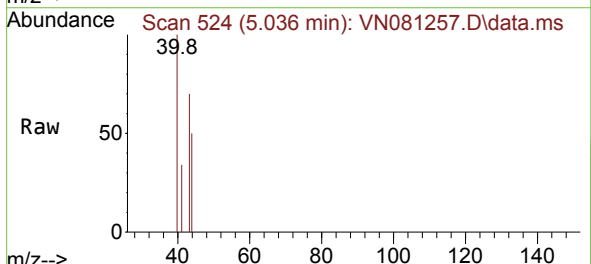
Instrument :
MSVOA_N
ClientSampleId :
122

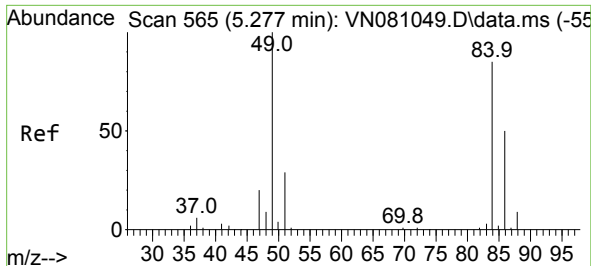
Tgt Ion: 43 Resp: 2343
Ion Ratio Lower Upper
43 100
58 40.5 24.8 37.2#



#18
Methyl Acetate
Concen: 0.272 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN081257.D
Acq: 28 Feb 2024 20:53

Tgt Ion: 43 Resp: 1025
Ion Ratio Lower Upper
43 100
74 6.4 17.3 25.9#

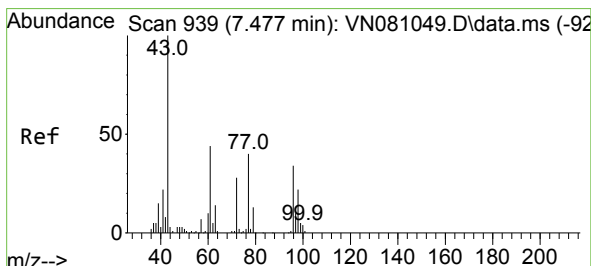
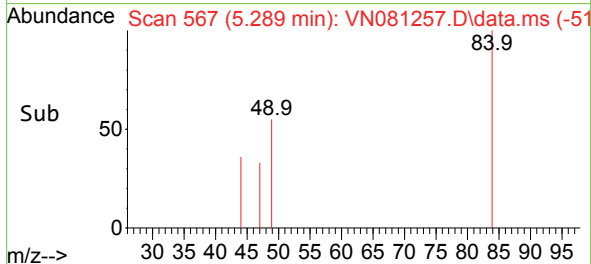
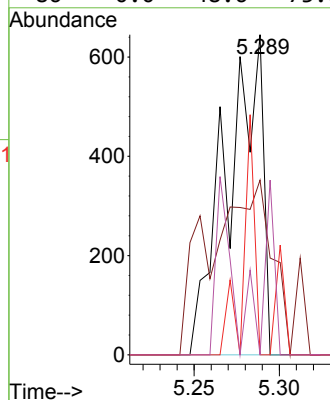
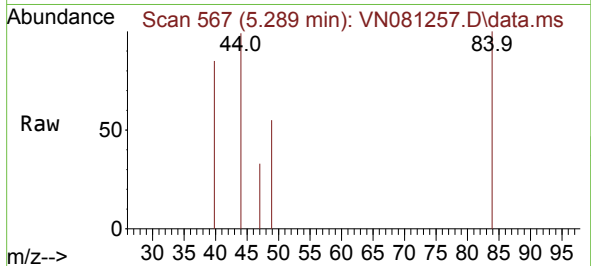




#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN081257.D
Acq: 28 Feb 2024 20:53

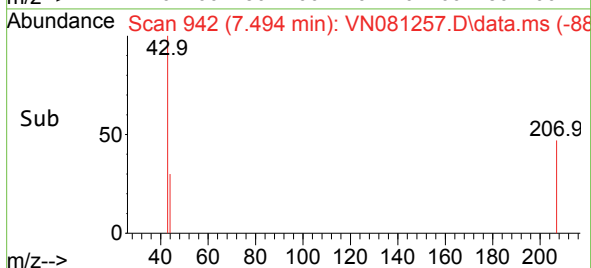
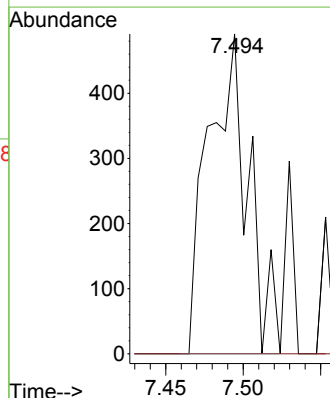
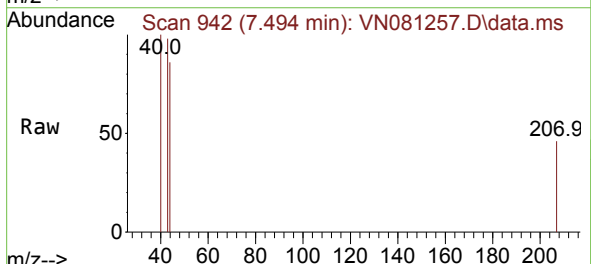
Instrument :
MSVOA_N
ClientSampleId :
122

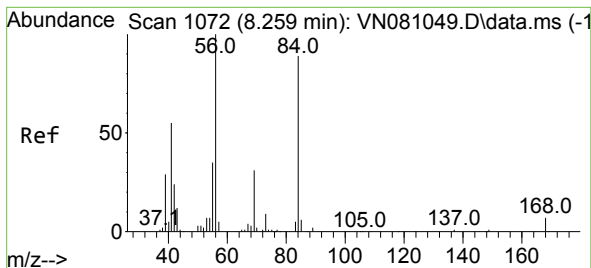
Tgt Ion: 84 Resp: 947
Ion Ratio Lower Upper
84 100
49 54.6 108.1 162.1#
51 0.0 32.9 49.3#
86 0.0 48.6 73.0#



#25
2-Butanone
Concen: 0.351 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.018 min
Lab File: VN081257.D
Acq: 28 Feb 2024 20:53

Tgt Ion: 43 Resp: 876
Ion Ratio Lower Upper
43 100
72 0.0 19.5 29.3#





#31

Cyclohexane

Concen: 1.391 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN081257.D

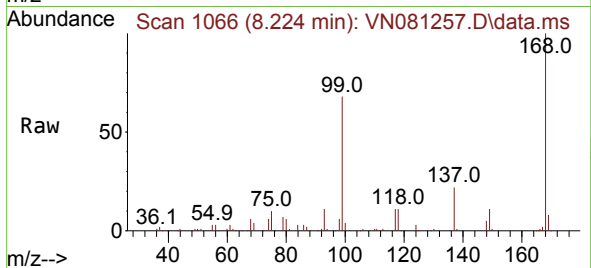
Acq: 28 Feb 2024 20:53

Instrument :

MSVOA_N

ClientSampleId :

122



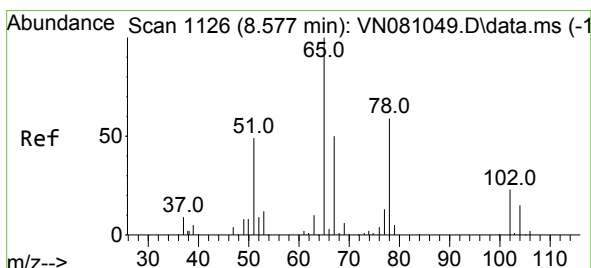
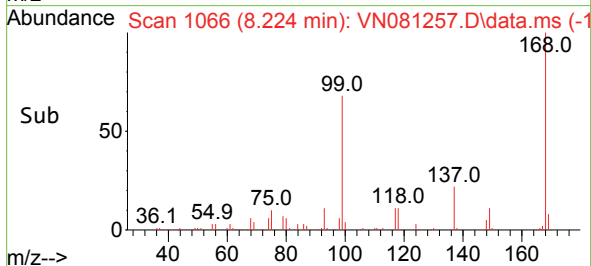
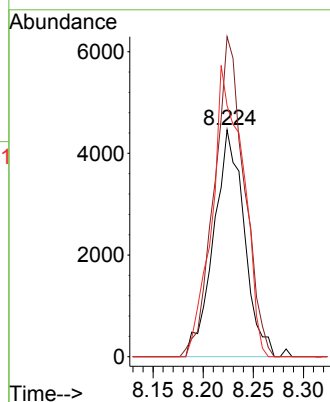
Tgt Ion: 56 Resp: 9424

Ion Ratio Lower Upper

56 100

69 141.0 20.1 30.1#

84 110.6 56.9 85.3#



#33

1,2-Dichloroethane-d4

Concen: 57.074 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN081257.D

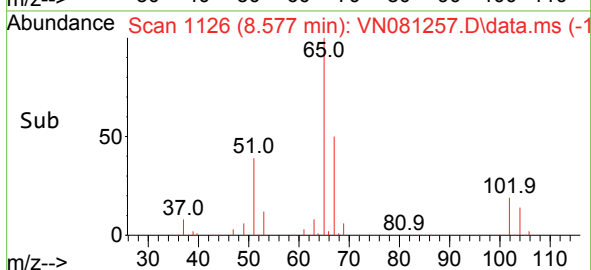
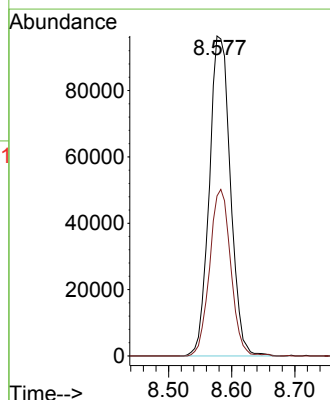
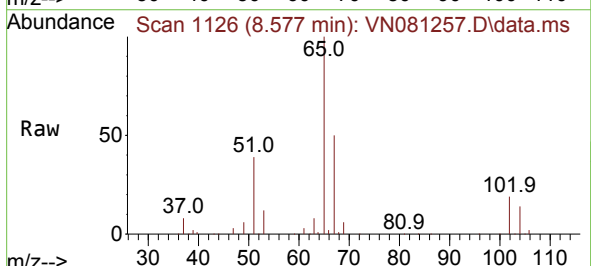
Acq: 28 Feb 2024 20:53

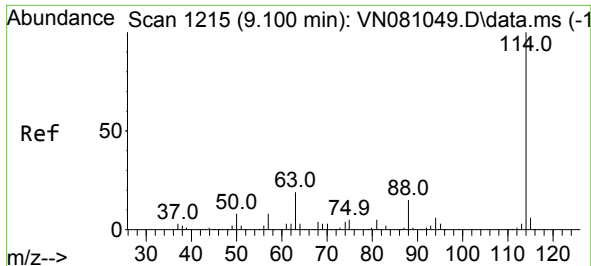
Tgt Ion: 65 Resp: 223935

Ion Ratio Lower Upper

65 100

67 52.0 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN081257.D

Acq: 28 Feb 2024 20:53

Instrument :

MSVOA_N

ClientSampleId :

122

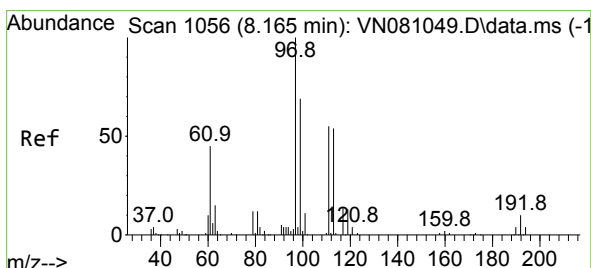
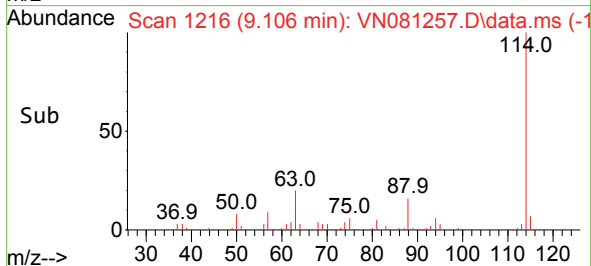
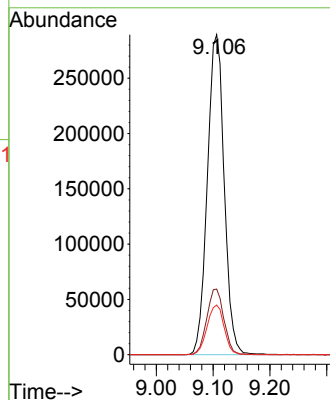
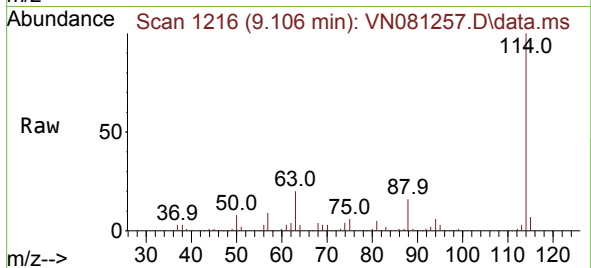
Tgt Ion:114 Resp: 594407

Ion Ratio Lower Upper

114 100

63 20.5 0.0 48.0

88 15.5 0.0 34.8



#35

Dibromofluoromethane

Concen: 51.242 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN081257.D

Acq: 28 Feb 2024 20:53

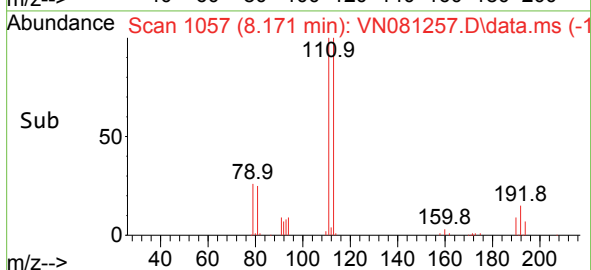
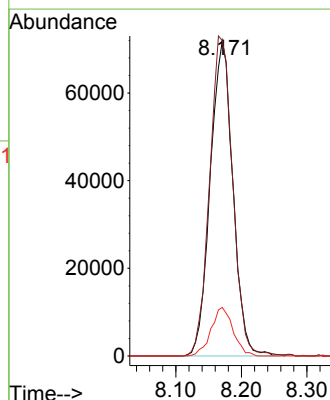
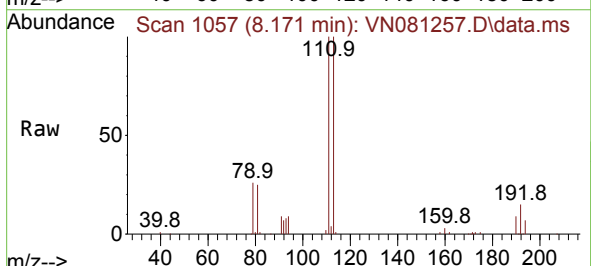
Tgt Ion:113 Resp: 172234

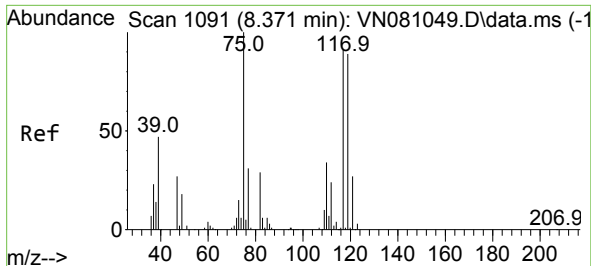
Ion Ratio Lower Upper

113 100

111 103.6 82.2 123.4

192 15.0 12.5 18.7

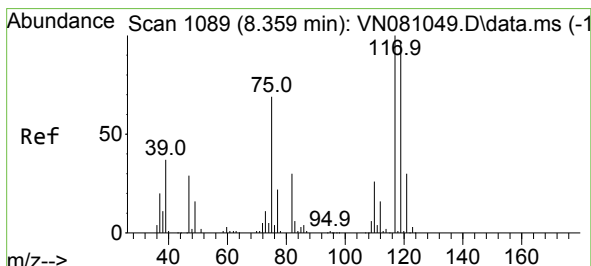
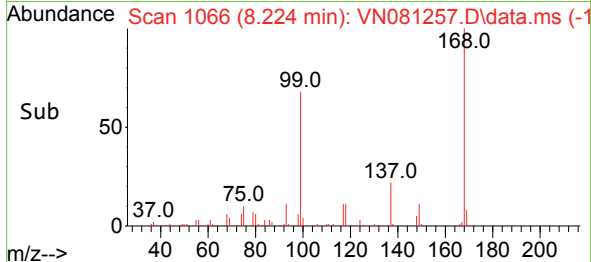
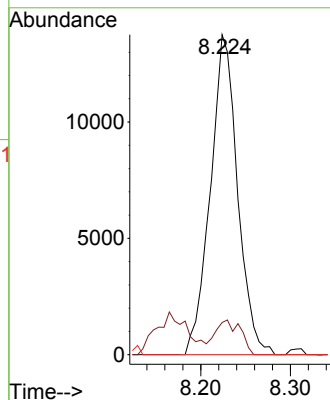
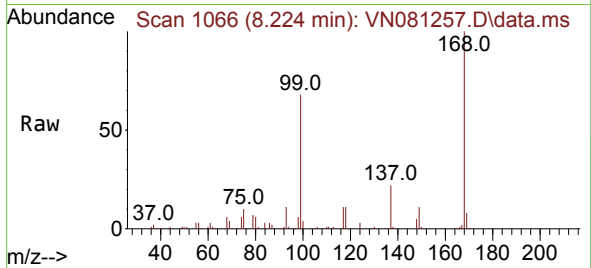




#36
1,1-Dichloropropene
Concen: 5.029 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081257.D
Acq: 28 Feb 2024 20:53

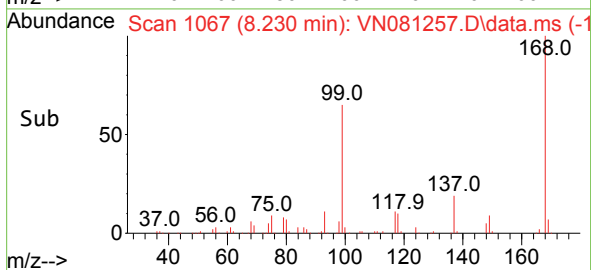
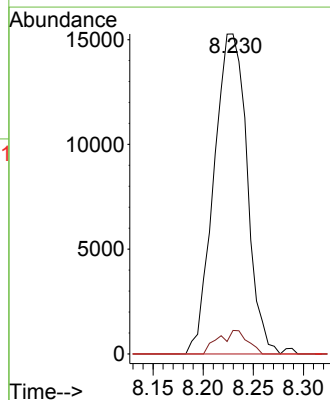
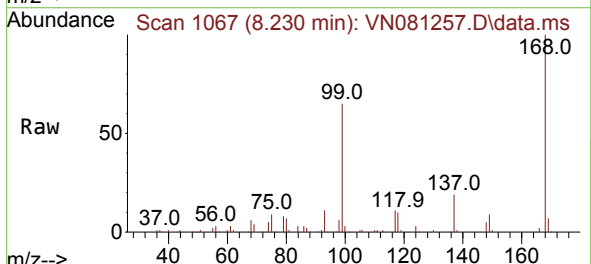
Instrument :
MSVOA_N
ClientSampleId :
122

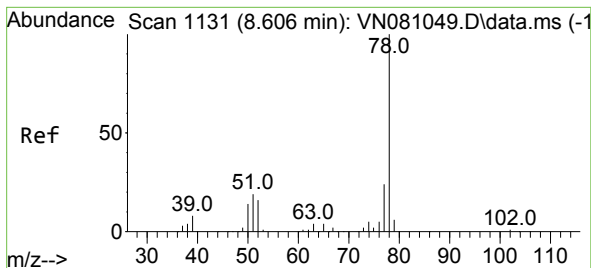
Tgt Ion: 75 Resp: 28962
Ion Ratio Lower Upper
75 100
110 10.0 16.0 48.0#
77 0.0 25.8 38.6#



#38
Carbon Tetrachloride
Concen: 6.011 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VN081257.D
Acq: 28 Feb 2024 20:53

Tgt Ion: 117 Resp: 35018
Ion Ratio Lower Upper
117 100
119 7.4 73.4 110.2#
121 0.0 24.4 36.6#





#40

Benzene

Concen: 0.215 ug/l

RT: 8.612 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VN081257.D

Acq: 28 Feb 2024 20:53

Instrument :

MSVOA_N

ClientSampleId :

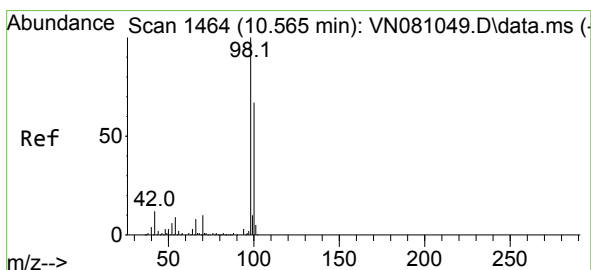
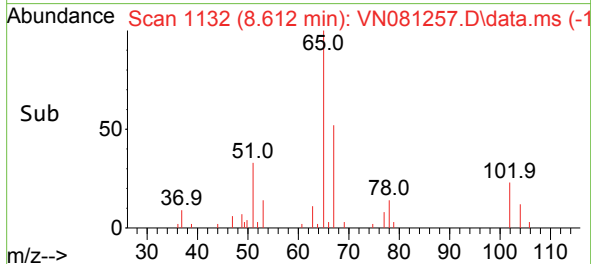
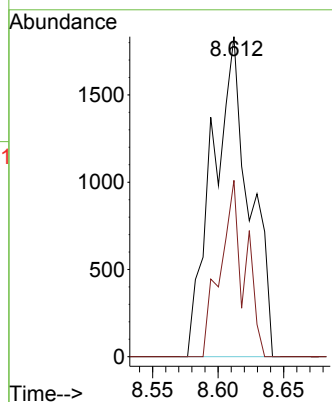
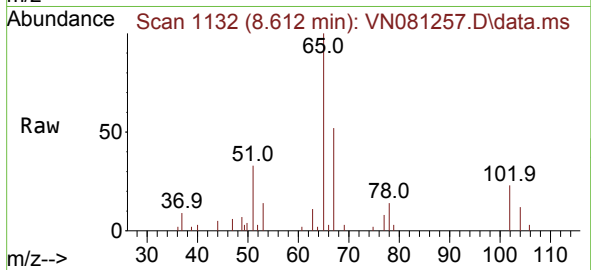
122

Tgt Ion: 78 Resp: 3587

Ion Ratio Lower Upper

78 100

77 55.1 20.4 30.6#



#50

Toluene-d8

Concen: 54.986 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN081257.D

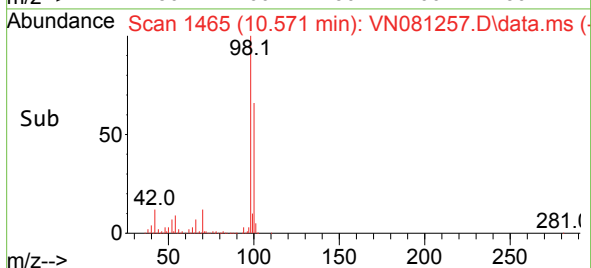
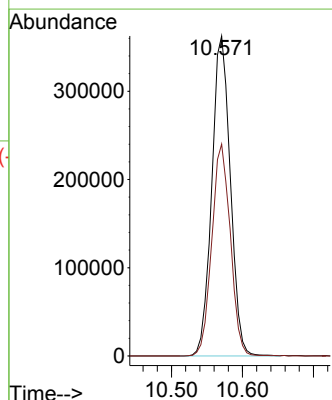
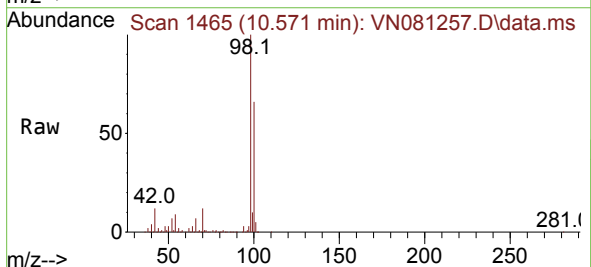
Acq: 28 Feb 2024 20:53

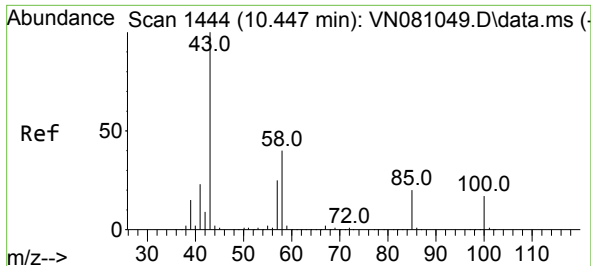
Tgt Ion: 98 Resp: 656426

Ion Ratio Lower Upper

98 100

100 66.2 51.4 77.0

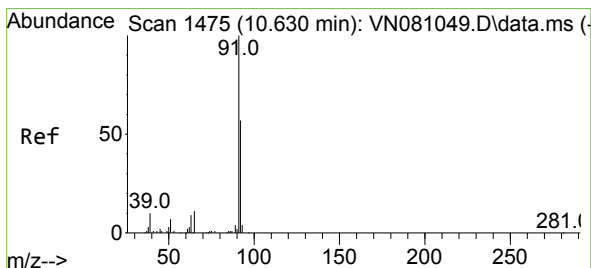
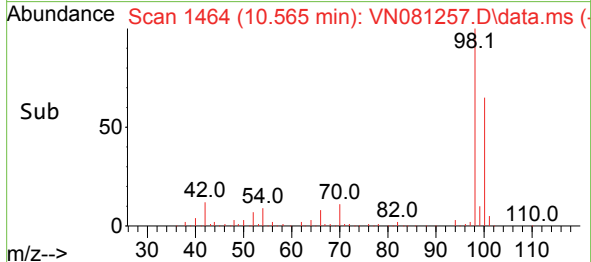
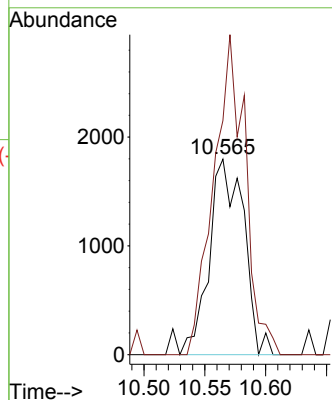
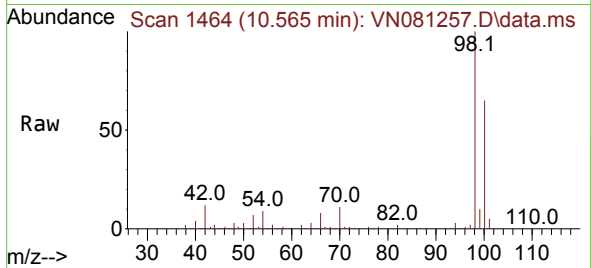




#51
4-Methyl-2-Pentanone
Concen: 0.675 ug/l
RT: 10.565 min Scan# 1444
Delta R.T. 0.118 min
Lab File: VN081257.D
Acq: 28 Feb 2024 20:53

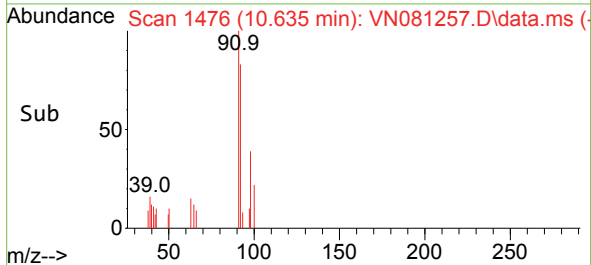
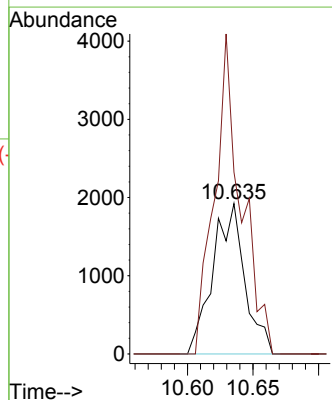
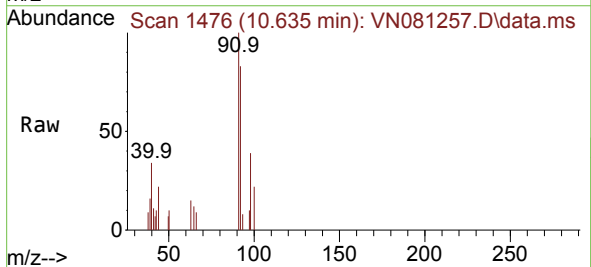
Instrument :
MSVOA_N
ClientSampleId :
122

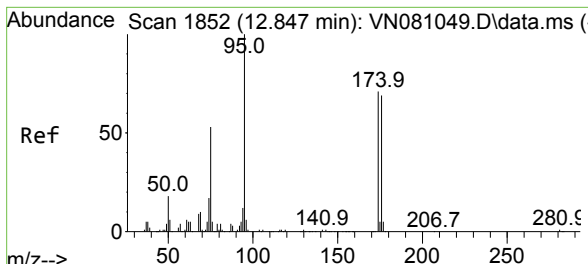
Tgt Ion: 43 Resp: 3531
Ion Ratio Lower Upper
43 100
58 150.6 29.4 44.0#



#52
Toluene
Concen: 0.309 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VN081257.D
Acq: 28 Feb 2024 20:53

Tgt Ion: 92 Resp: 3256
Ion Ratio Lower Upper
92 100
91 177.5 139.4 209.0

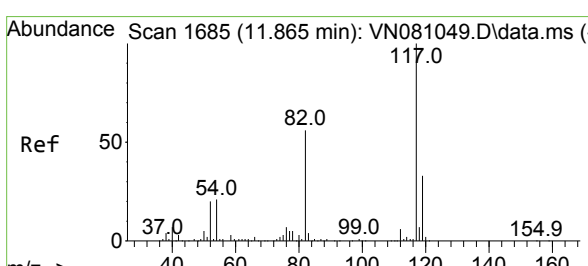
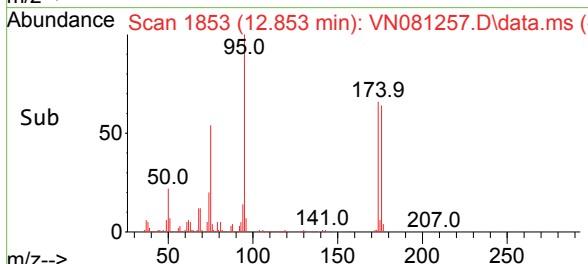
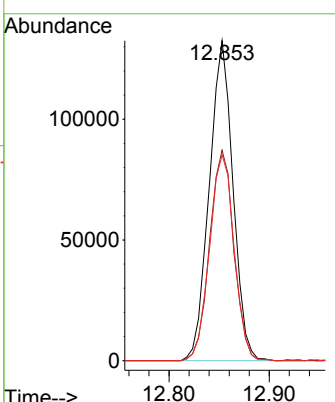
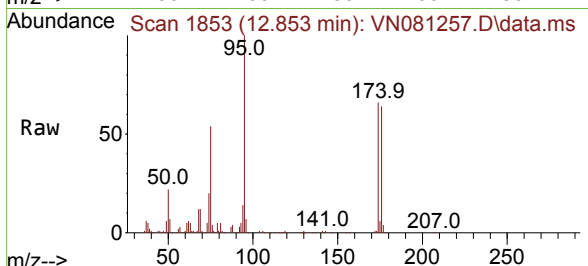




#62
 4-Bromofluorobenzene
 Concen: 48.503 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.006 min
 Lab File: VN081257.D
 Acq: 28 Feb 2024 20:53

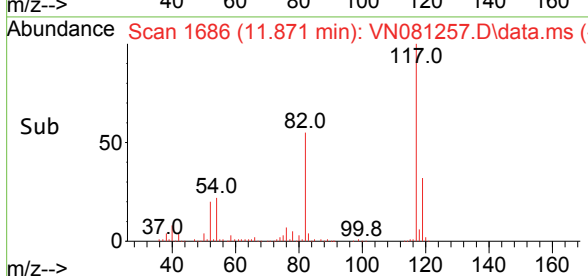
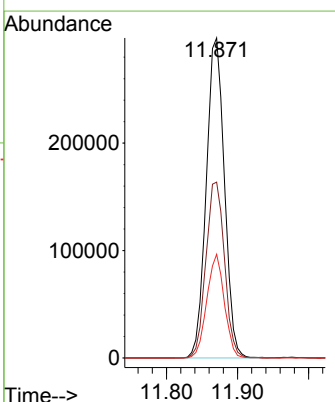
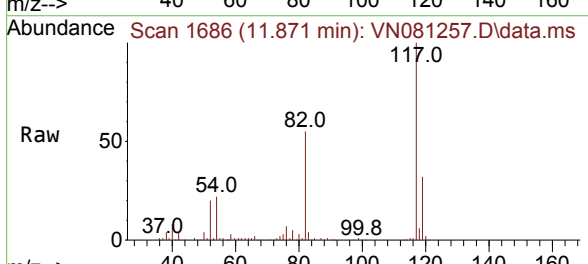
Instrument :
 MSVOA_N
 ClientSampleId :
 122

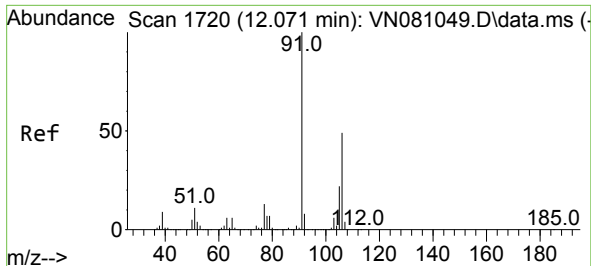
Tgt Ion:	95	Resp:	217571
Ion	Ratio	Lower	Upper
95	100		
174	67.2	0.0	120.4
176	66.6	0.0	121.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.871 min Scan# 1686
 Delta R.T. 0.006 min
 Lab File: VN081257.D
 Acq: 28 Feb 2024 20:53

Tgt Ion:	117	Resp:	528552
Ion	Ratio	Lower	Upper
117	100		
82	55.0	52.7	79.1
119	32.4	25.3	37.9

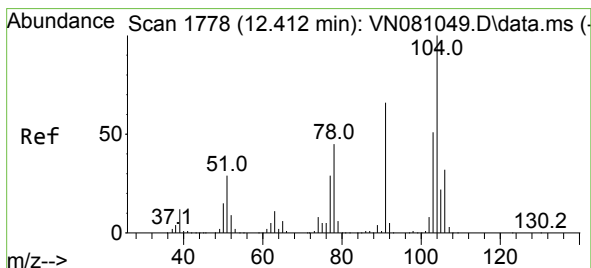
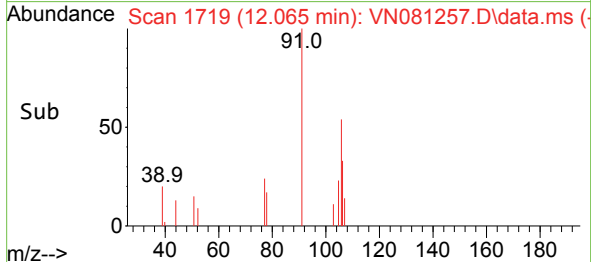
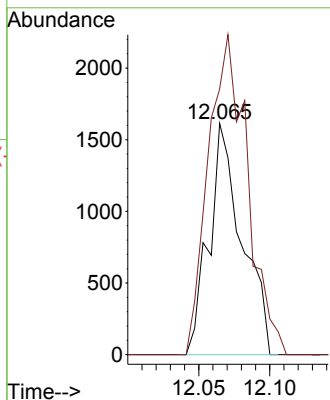
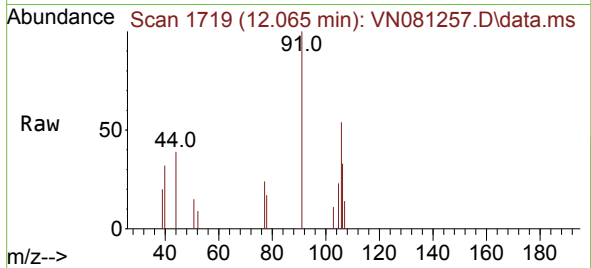




#68
m/p-Xylenes
Concen: 0.331 ug/l
RT: 12.065 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN081257.D
Acq: 28 Feb 2024 20:53

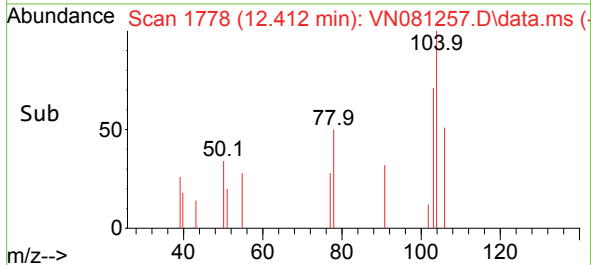
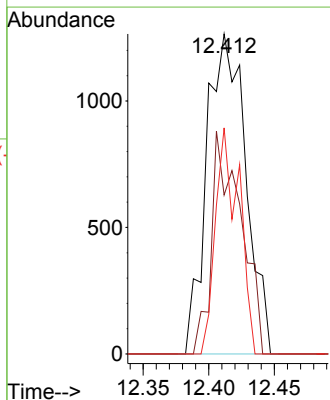
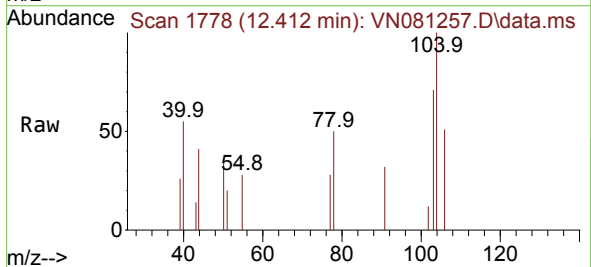
Instrument :
MSVOA_N
ClientSampleId :
122

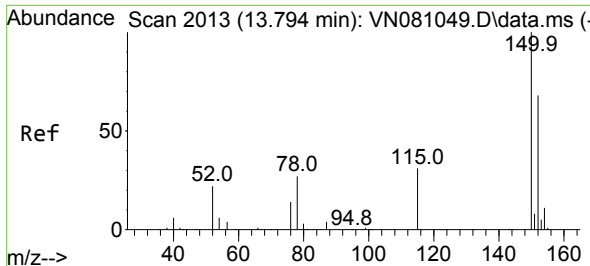
Tgt Ion:106 Resp: 2600
Ion Ratio Lower Upper
106 100
91 164.4 169.0 253.6#



#70
Styrene
Concen: 0.213 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN081257.D
Acq: 28 Feb 2024 20:53

Tgt Ion:104 Resp: 2622
Ion Ratio Lower Upper
104 100
78 52.2 43.8 65.8
103 42.8 44.2 66.2#

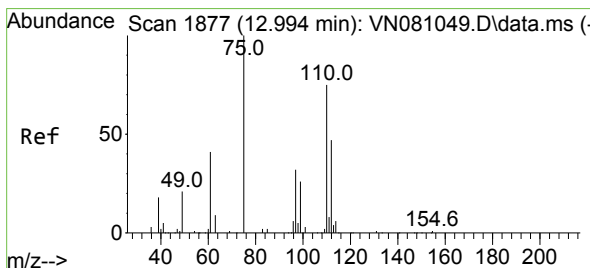
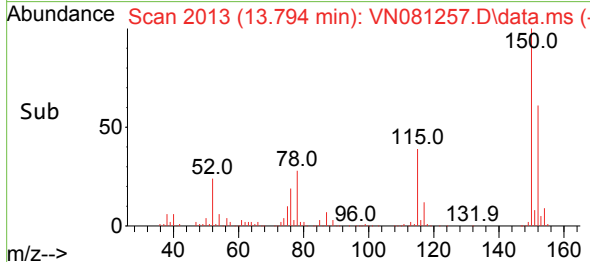
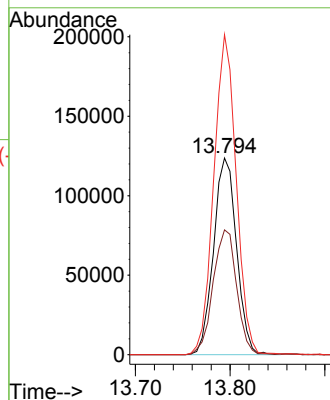
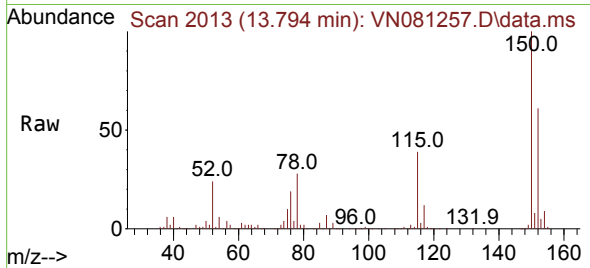




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VN081257.D
 Acq: 28 Feb 2024 20:53

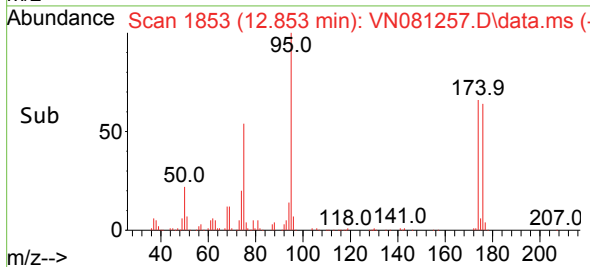
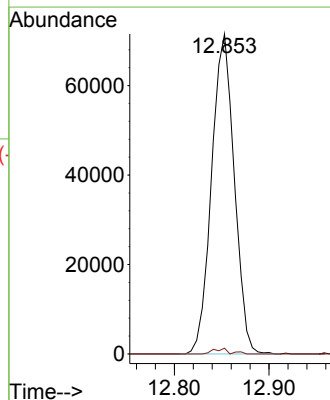
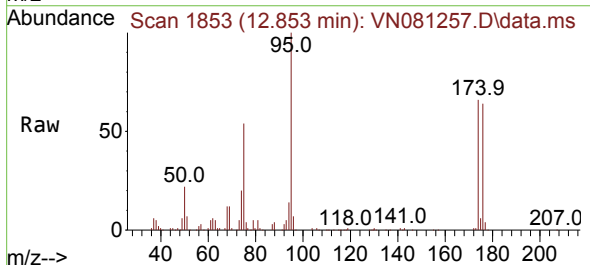
Instrument :
 MSVOA_N
 ClientSampleId :
 122

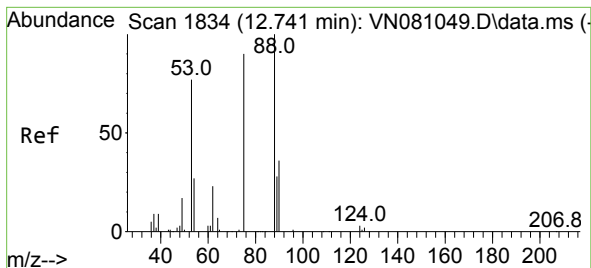
Tgt Ion:152 Resp: 209025
 Ion Ratio Lower Upper
 152 100
 115 64.9 32.3 96.8
 150 158.7 0.0 339.8



#76
 1,2,3-Trichloropropane
 Concen: 25.151 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN081257.D
 Acq: 28 Feb 2024 20:53

Tgt Ion: 75 Resp: 119447
 Ion Ratio Lower Upper
 75 100
 77 1.2 91.0 272.8#

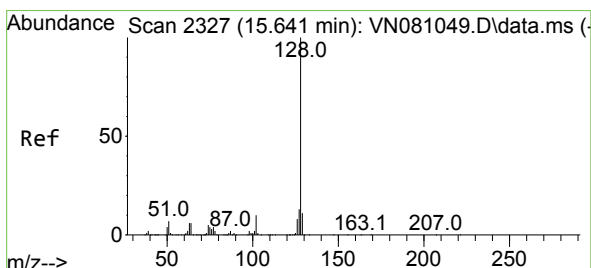
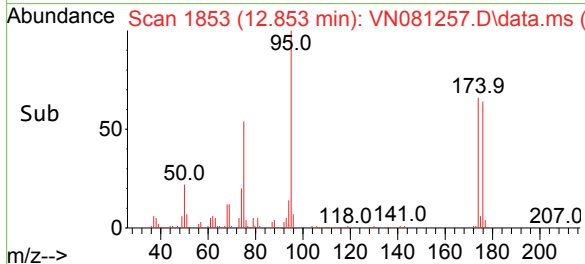
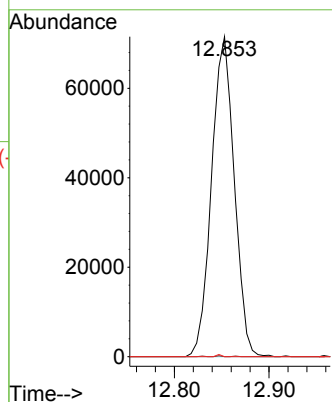
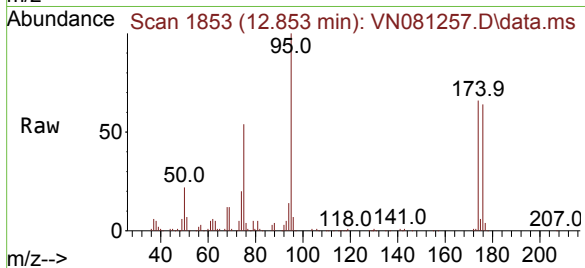




#81
trans-1,4-Dichloro-2-butene
Concen: 64.737 ug/l
RT: 12.853 min Scan# 1122
Delta R.T. 0.112 min
Lab File: VN081257.D
Acq: 28 Feb 2024 20:53

Instrument :
MSVOA_N
ClientSampleId :
122

Tgt Ion: 75 Resp: 119447
Ion Ratio Lower Upper
75 100
53 0.1 71.4 107.2#
89 0.2 33.4 50.0#



#95
Naphthalene
Concen: 0.234 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN081257.D
Acq: 28 Feb 2024 20:53

Tgt Ion: 128 Resp: 3558
Ion Ratio Lower Upper
128 100
127 6.6 10.0 15.0#
129 16.0 8.7 13.1#

