

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021924\
 Data File : VN081083.D
 Acq On : 19 Feb 2024 18:05
 Operator : JC\MD
 Sample : PB159113TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB159113TB

Quant Time: Feb 20 00:25:52 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)

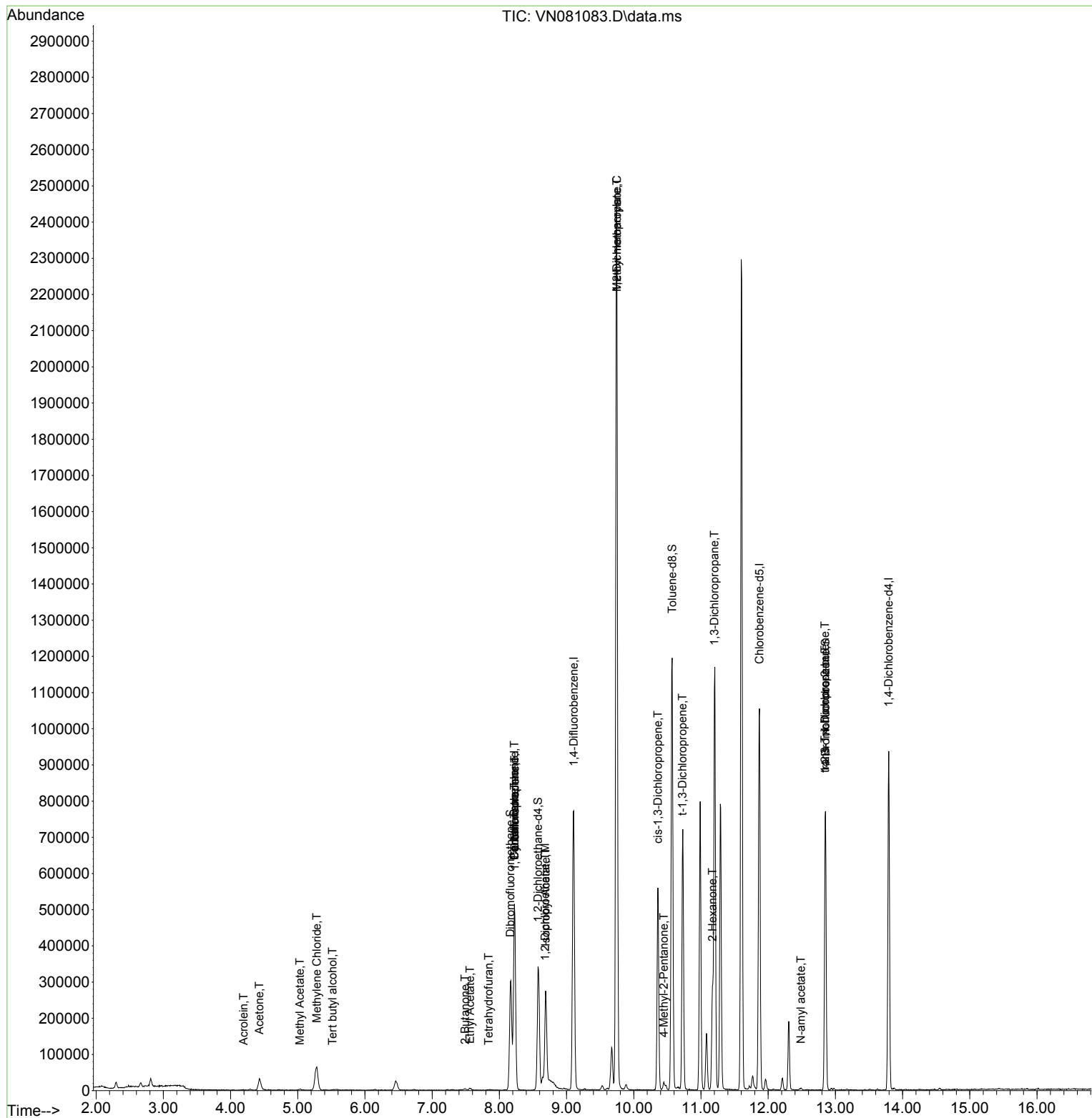
Internal Standards						
1) Pentafluorobenzene	8.224	168	354368	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	695744	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	609999	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	238632	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	274028	63.088	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 126.180%#			
35) Dibromofluoromethane	8.165	113	220808	56.125	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.240%			
50) Toluene-d8	10.571	98	828645	59.302	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 118.600%#			
62) 4-Bromofluorobenzene	12.853	95	274509	52.282	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.560%			
Target Compounds						Qvalue
3) Chloromethane	2.371	50	1558	Below Cal		100
6) Chloroethane	3.112	64	337	Below Cal	#	42
11) Tert butyl alcohol	5.518	59	913	1.143	ug/l	100
13) Acrolein	4.195	56	1083	2.530	ug/l	85
16) Acetone	4.430	43	56351	32.971	ug/l	94
18) Methyl Acetate	5.030	43	2611	0.626	ug/l	# 58
20) Methylene Chloride	5.283	84	50199	10.622	ug/l	92
25) 2-Butanone	7.488	43	5912	2.141	ug/l	# 78
29) Tetrahydrofuran	7.841	42	973	0.528	ug/l	# 44
31) Cyclohexane	8.224	56	9092	1.212	ug/l	# 4
36) 1,1-Dichloropropene	8.230	75	29905	4.437	ug/l	# 50
37) Ethyl Acetate	7.565	43	7669	1.261	ug/l	# 93
38) Carbon Tetrachloride	8.224	117	42510	6.234	ug/l	# 16
42) 1,2-Dichloroethane	8.682	62	1600	0.235	ug/l	# 75
43) Isopropyl Acetate	8.688	43	364193	34.232	ug/l	# 87
45) 1,2-Dichloropropane	9.747	63	3717	0.762	ug/l	# 42
48) Methyl methacrylate	9.747	41	220152	44.472	ug/l	# 47
49) 1,4-Dioxane	9.706	88	265	Below Cal	#	18
51) 4-Methyl-2-Pentanone	10.447	43	21898	3.578	ug/l	# 80
53) t-1,3-Dichloropropene	10.724	75	1775	0.237	ug/l	# 43
54) cis-1,3-Dichloropropene	10.359	75	103297	12.776	ug/l	# 61
57) 1,3-Dichloropropane	11.200	76	12664	1.542	ug/l	# 43
59) 2-Hexanone	11.171	43	223194	46.001	ug/l	# 26
74) N-amyl acetate	12.488	43	4133	0.468	ug/l	# 50
76) 1,2,3-Trichloropropane	12.847	75	147438	27.193	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.847	75	147438	69.993	ug/l	# 14

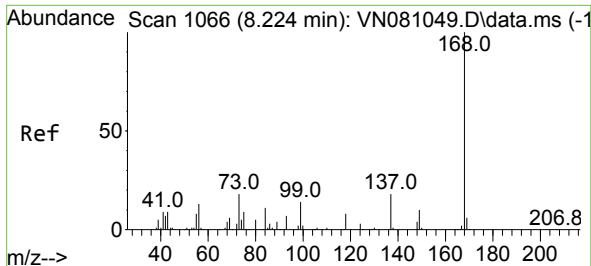
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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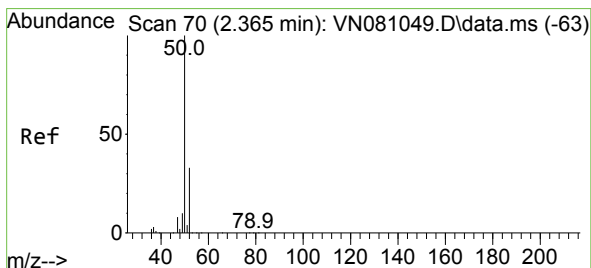
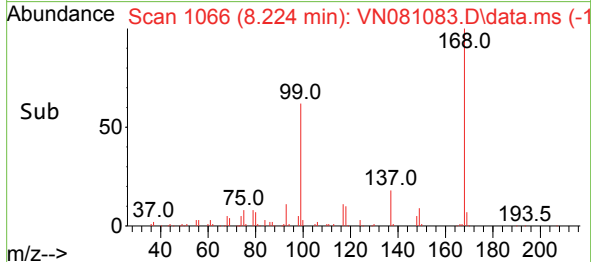
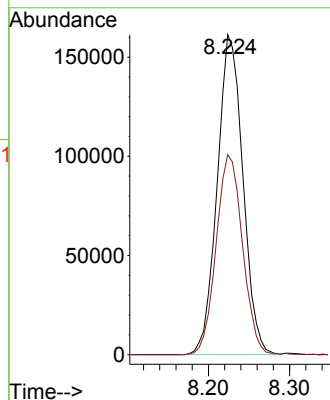
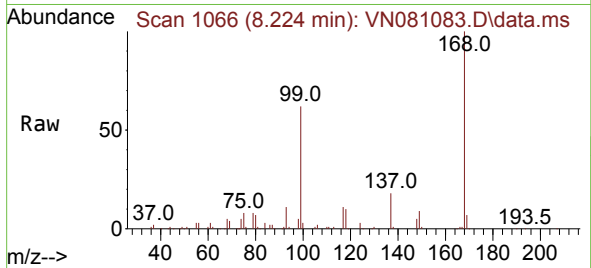




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081083.D
Acq: 19 Feb 2024 18:05

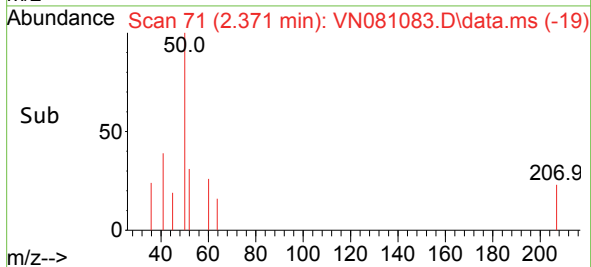
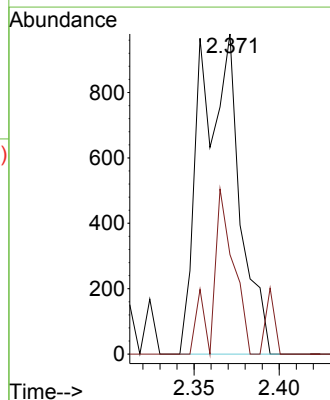
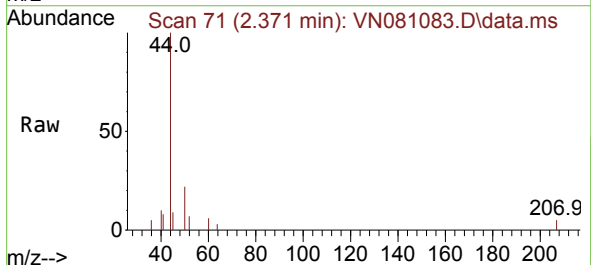
Instrument :
MSVOA_N
ClientSampleId :
PB159113TB

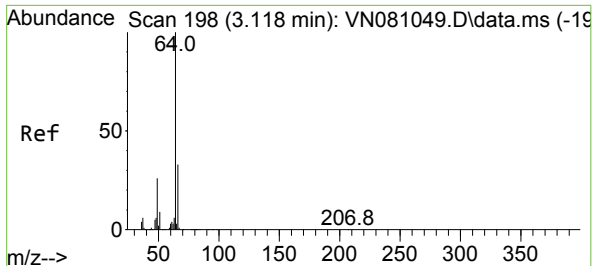
Tgt Ion:168 Resp: 354368
Ion Ratio Lower Upper
168 100
99 62.5 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN081083.D
Acq: 19 Feb 2024 18:05

Tgt Ion: 50 Resp: 1558
Ion Ratio Lower Upper
50 100
52 31.1 25.0 37.4

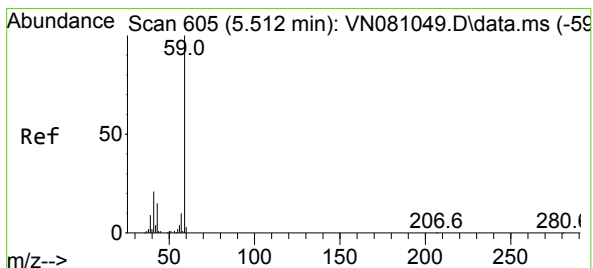
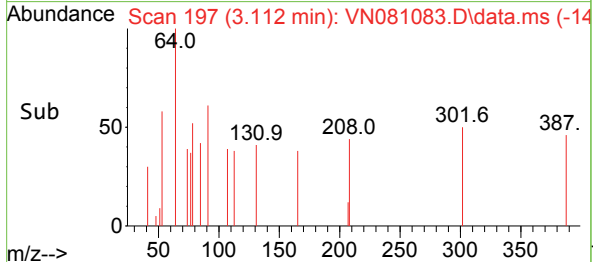
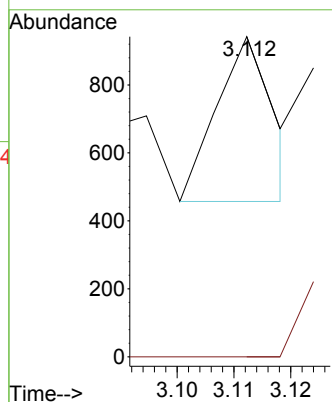
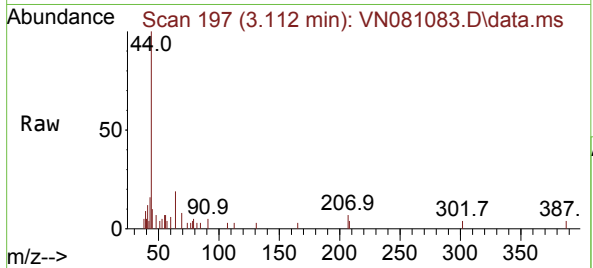




#6
Chloroethane
Concen: Below Cal
RT: 3.112 min Scan# 19
Delta R.T. -0.006 min
Lab File: VN081083.D
Acq: 19 Feb 2024 18:05

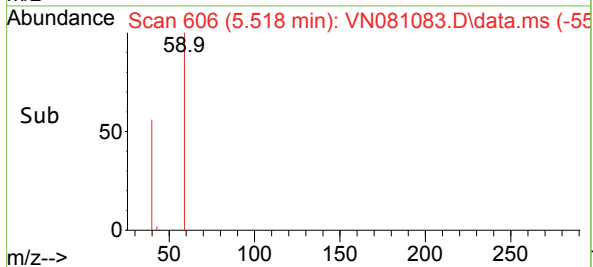
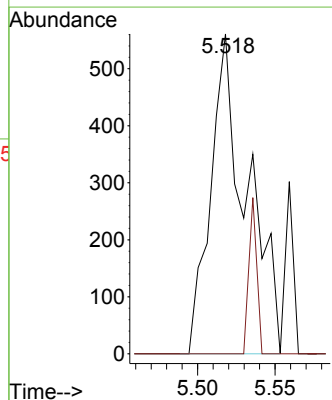
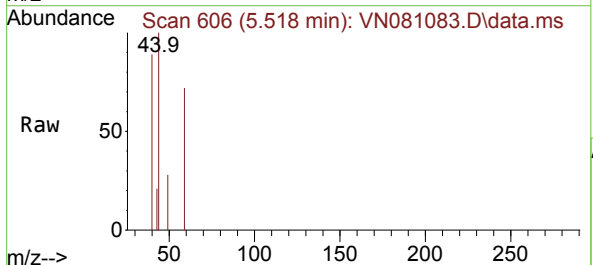
Instrument :
MSVOA_N
ClientSampleId :
PB159113TB

Tgt Ion: 64 Resp: 337
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#11
Tert butyl alcohol
Concen: 1.143 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.006 min
Lab File: VN081083.D
Acq: 19 Feb 2024 18:05

Tgt Ion: 59 Resp: 913
Ion Ratio Lower Upper
59 100
57 10.6 8.6 12.8

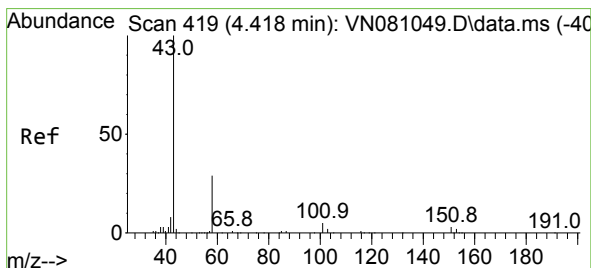
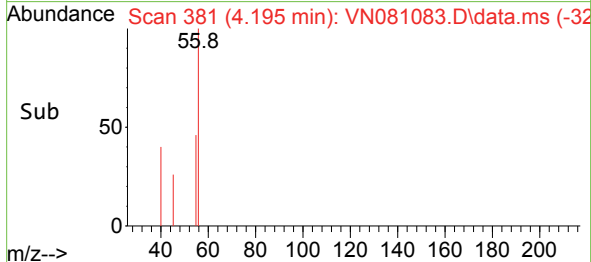
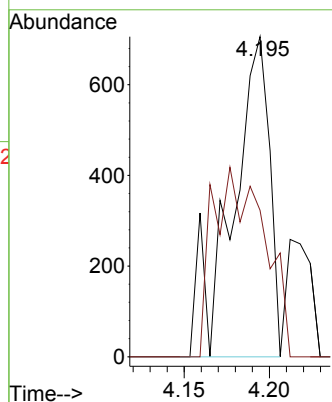
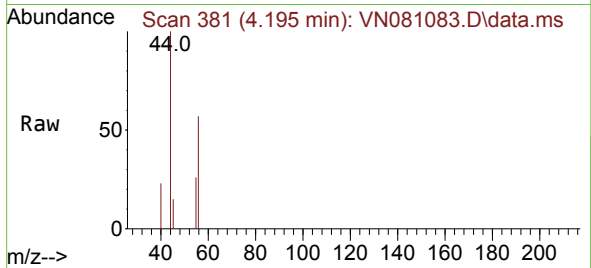




#13
Acrolein
Concen: 2.530 ug/l
RT: 4.195 min Scan# 31
Delta R.T. 0.018 min
Lab File: VN081083.D
Acq: 19 Feb 2024 18:05

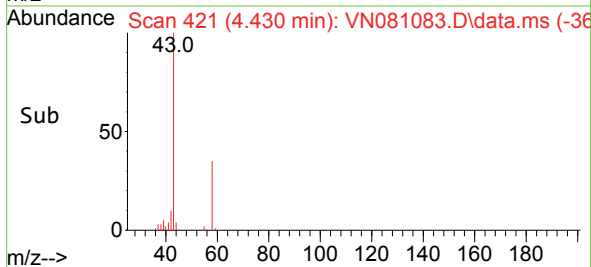
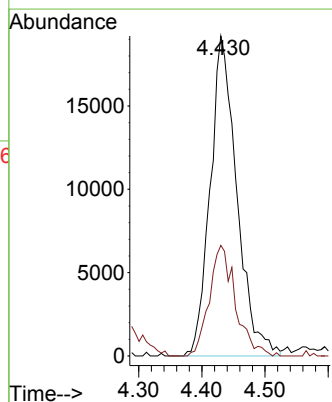
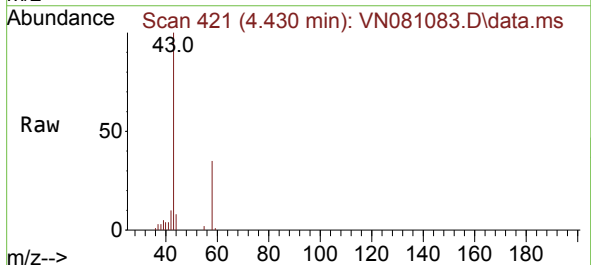
Instrument :
MSVOA_N
ClientSampleId :
PB159113TB

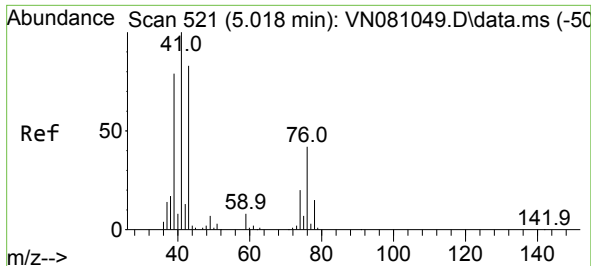
Tgt Ion: 56 Resp: 1083
Ion Ratio Lower Upper
56 100
55 81.0 55.3 82.9



#16
Acetone
Concen: 32.971 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN081083.D
Acq: 19 Feb 2024 18:05

Tgt Ion: 43 Resp: 56351
Ion Ratio Lower Upper
43 100
58 34.5 24.8 37.2

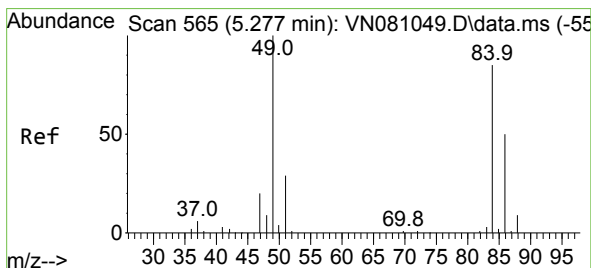
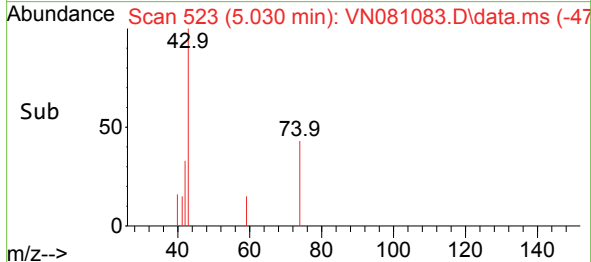
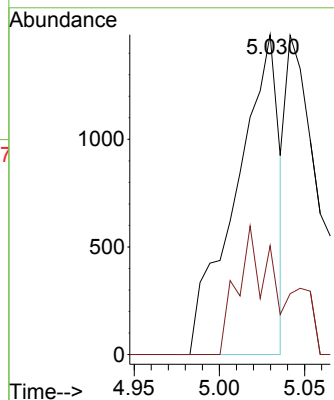
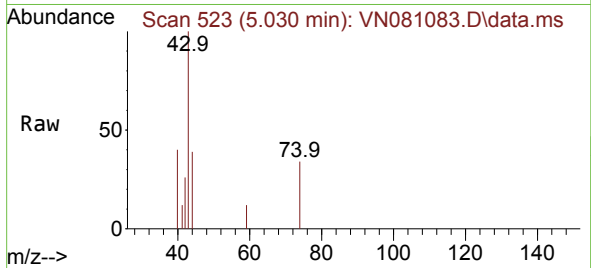




#18
Methyl Acetate
Concen: 0.626 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN081083.D
Acq: 19 Feb 2024 18:05

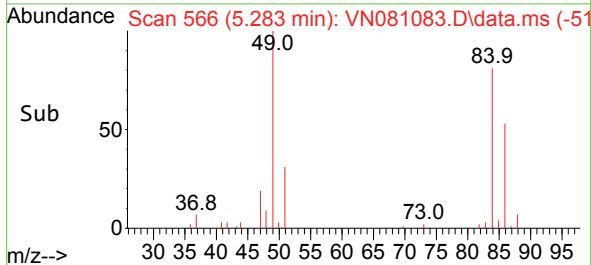
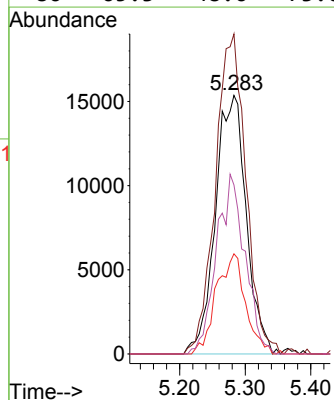
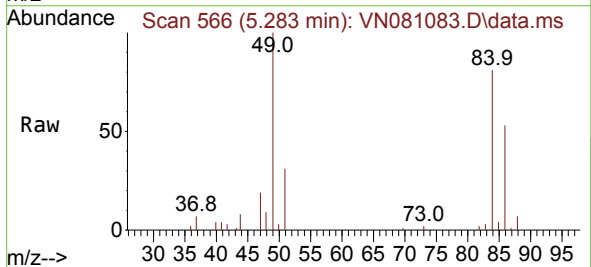
Instrument :
MSVOA_N
ClientSampleId :
PB159113TB

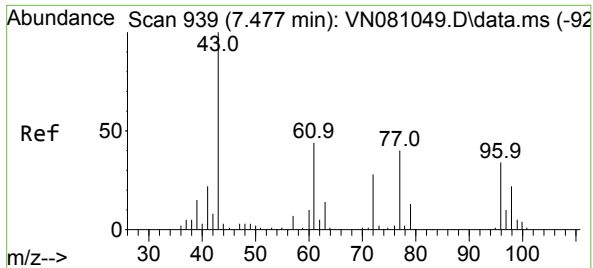
Tgt Ion: 43 Resp: 2611
Ion Ratio Lower Upper
43 100
74 41.2 17.3 25.9#



#20
Methylene Chloride
Concen: 10.622 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN081083.D
Acq: 19 Feb 2024 18:05

Tgt Ion: 84 Resp: 50199
Ion Ratio Lower Upper
84 100
49 123.7 108.1 162.1
51 38.7 32.9 49.3
86 65.3 48.6 73.0

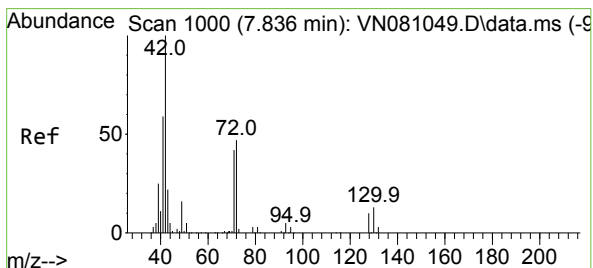
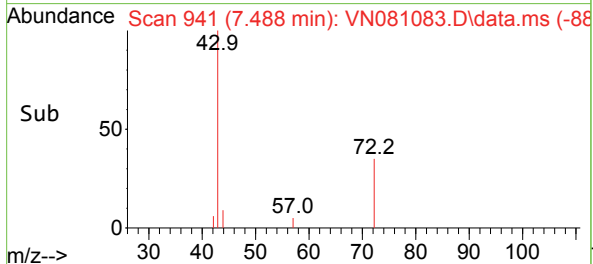
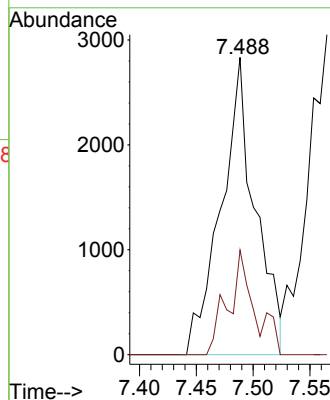
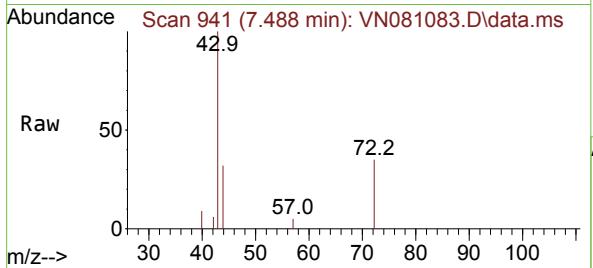




#25
2-Butanone
Concen: 2.141 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN081083.D
Acq: 19 Feb 2024 18:05

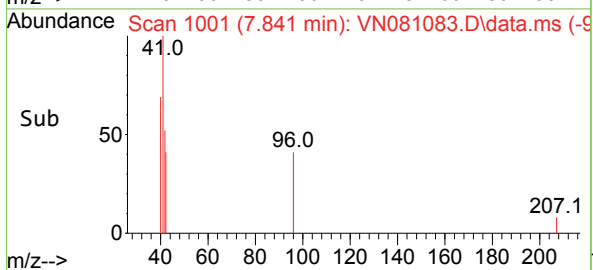
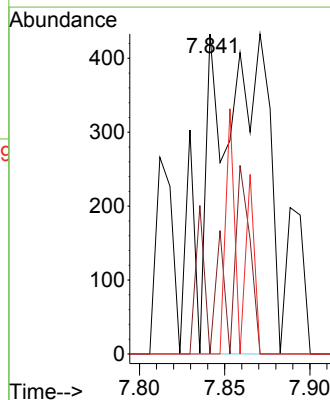
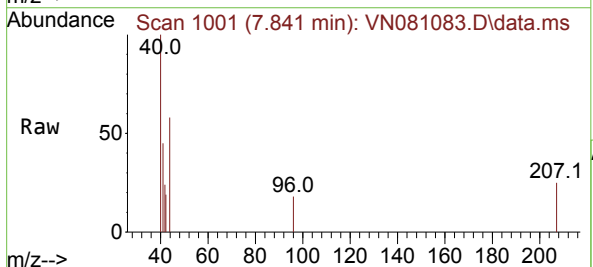
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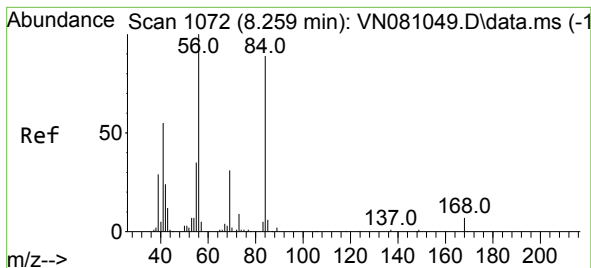
Tgt Ion: 43 Resp: 5912
Ion Ratio Lower Upper
43 100
72 35.1 19.5 29.3#



#29
Tetrahydrofuran
Concen: 0.528 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VN081083.D
Acq: 19 Feb 2024 18:05

Tgt Ion: 42 Resp: 973
Ion Ratio Lower Upper
42 100
72 7.3 31.1 46.7#
71 0.0 28.3 42.5#





#31

Cyclohexane

Concen: 1.212 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN081083.D

Acq: 19 Feb 2024 18:05

Instrument :

MSVOA_N

ClientSampleId :

PB159113TB

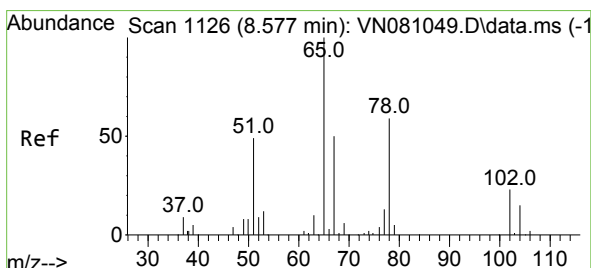
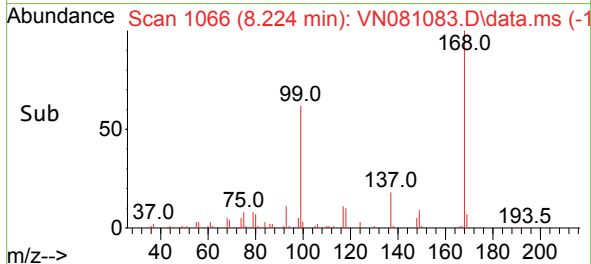
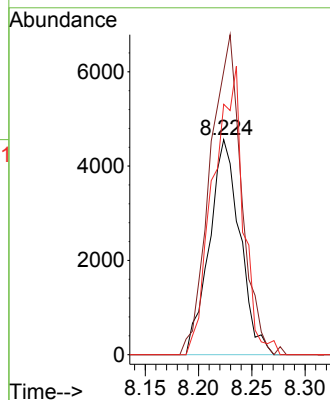
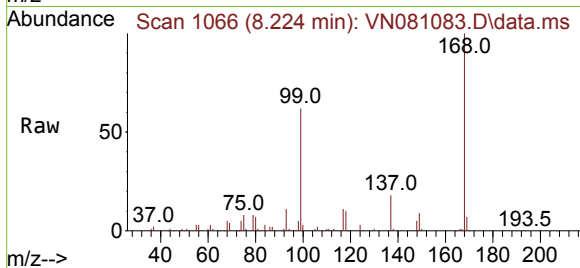
Tgt Ion: 56 Resp: 9092

Ion Ratio Lower Upper

56 100

69 131.9 20.1 30.1#

84 116.5 56.9 85.3#



#33

1,2-Dichloroethane-d4

Concen: 63.088 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN081083.D

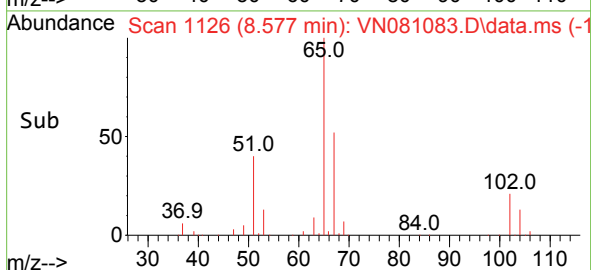
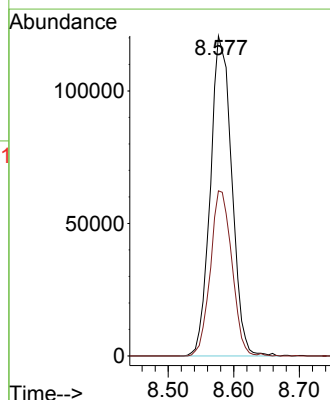
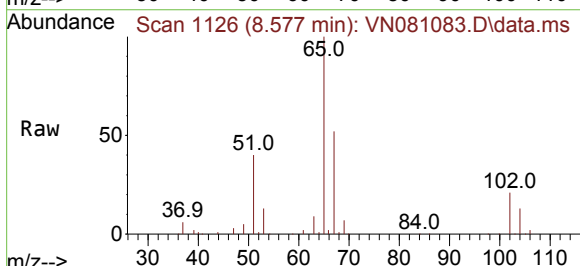
Acq: 19 Feb 2024 18:05

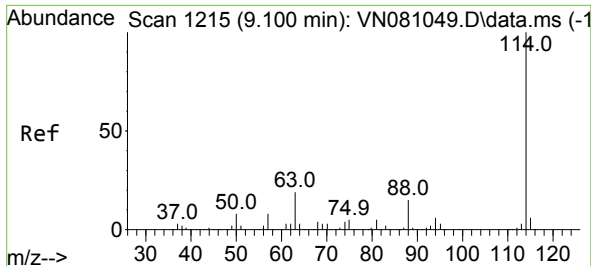
Tgt Ion: 65 Resp: 274028

Ion Ratio Lower Upper

65 100

67 51.5 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: VN081083.D

Acq: 19 Feb 2024 18:05

Instrument :

MSVOA_N

ClientSampleId :

PB159113TB

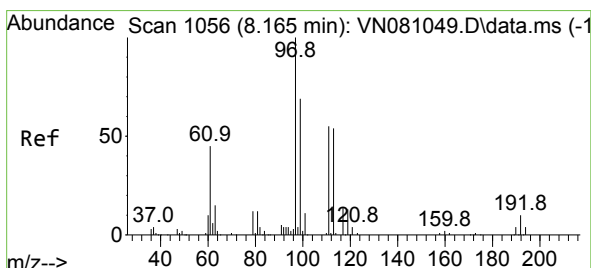
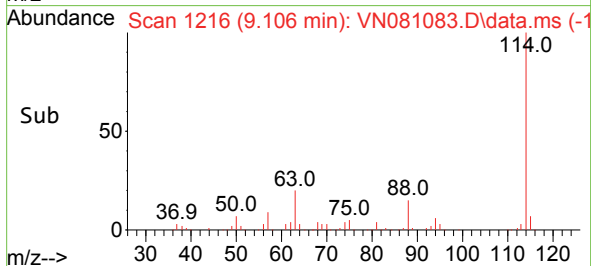
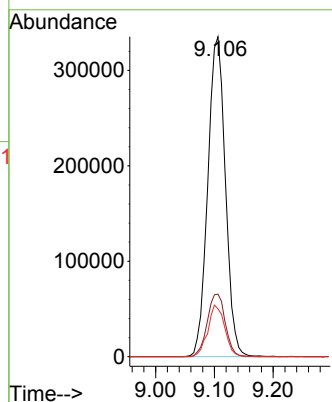
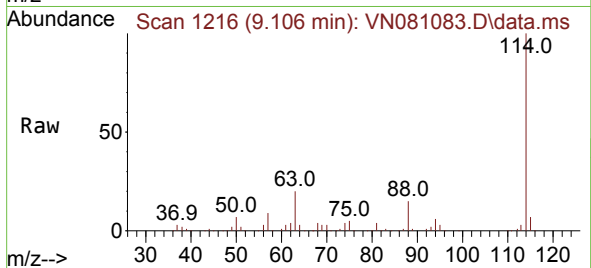
Tgt Ion:114 Resp: 695744

Ion Ratio Lower Upper

114 100

63 19.5 0.0 48.0

88 15.0 0.0 34.8



#35

Dibromofluoromethane

Concen: 56.125 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN081083.D

Acq: 19 Feb 2024 18:05

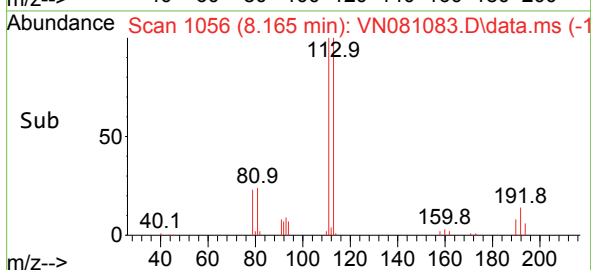
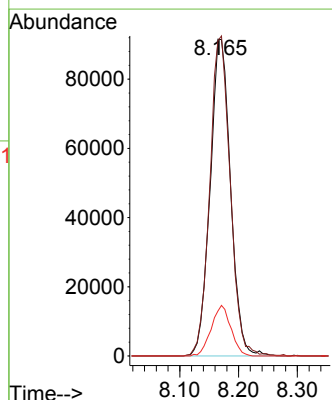
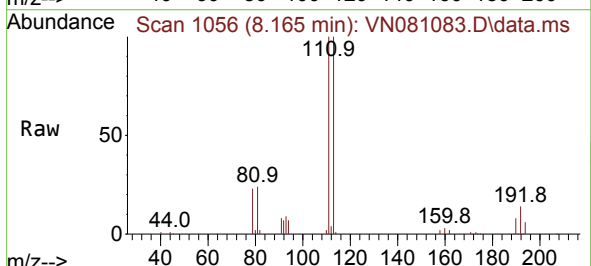
Tgt Ion:113 Resp: 220808

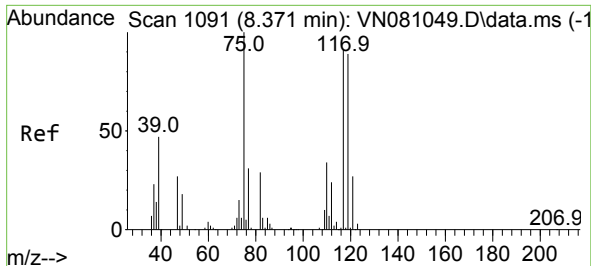
Ion Ratio Lower Upper

113 100

111 101.0 82.2 123.4

192 15.4 12.5 18.7

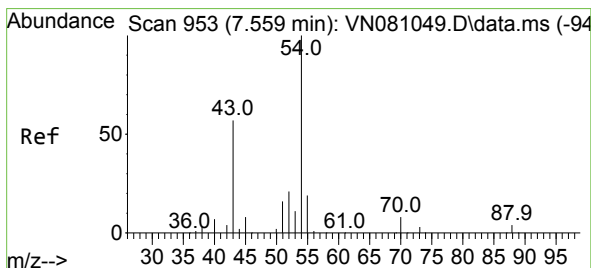
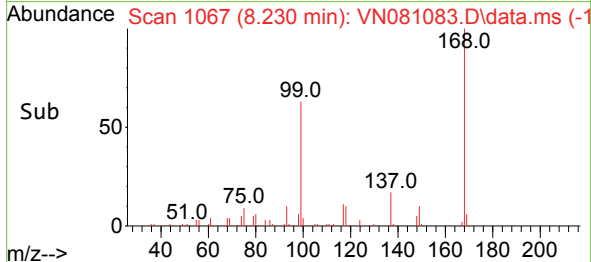
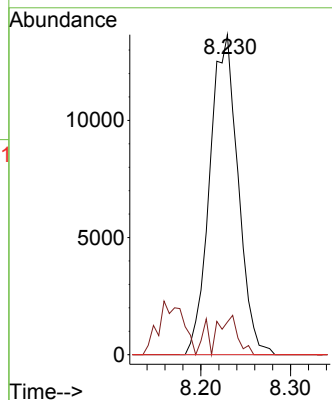
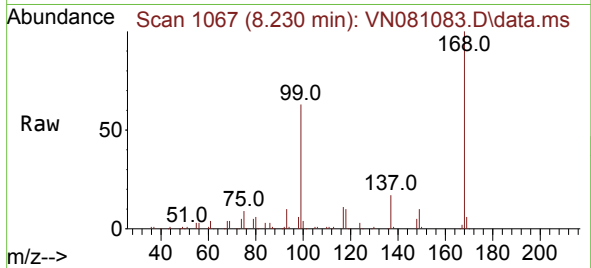




#36
1,1-Dichloropropene
Concen: 4.437 ug/l
RT: 8.230 min Scan# 1091
Delta R.T. -0.141 min
Lab File: VN081083.D
Acq: 19 Feb 2024 18:05

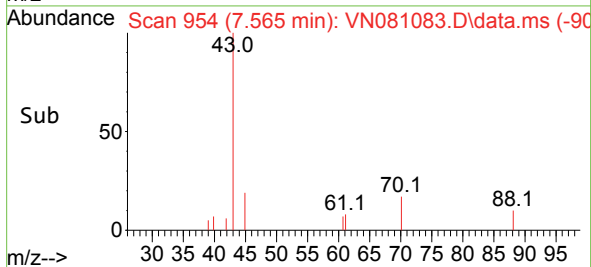
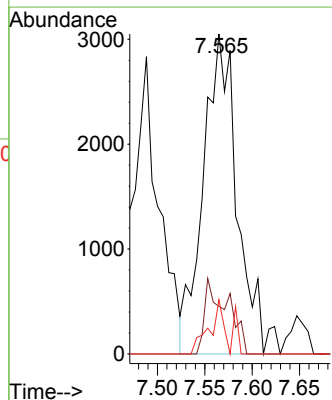
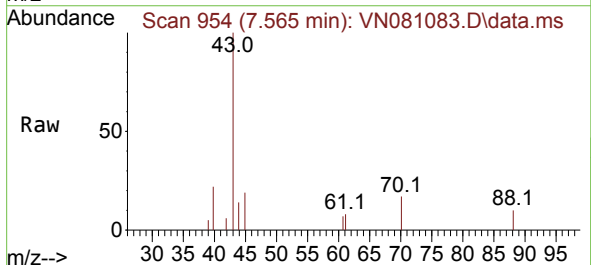
Instrument :
MSVOA_N
ClientSampleId :
PB159113TB

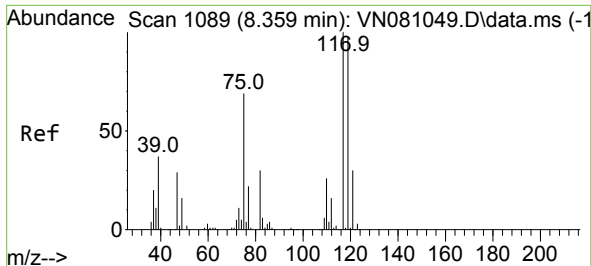
Tgt Ion: 75 Resp: 29905
Ion Ratio Lower Upper
75 100
110 8.2 16.0 48.0#
77 0.0 25.8 38.6#



#37
Ethyl Acetate
Concen: 1.261 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.006 min
Lab File: VN081083.D
Acq: 19 Feb 2024 18:05

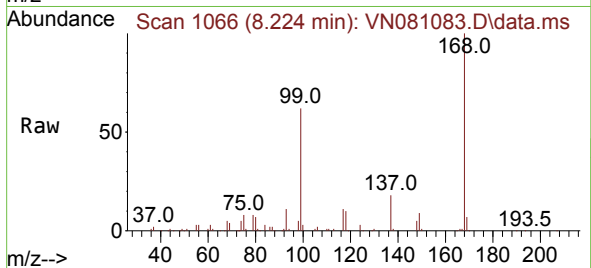
Tgt Ion: 43 Resp: 7669
Ion Ratio Lower Upper
43 100
61 15.7 10.6 15.8
70 7.0 8.0 12.0#



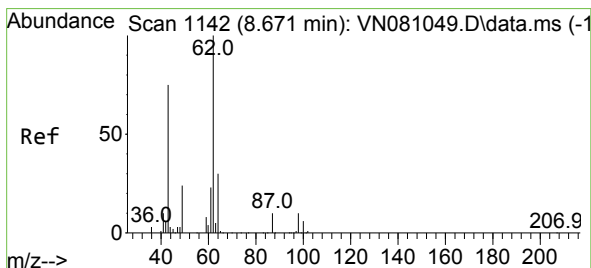
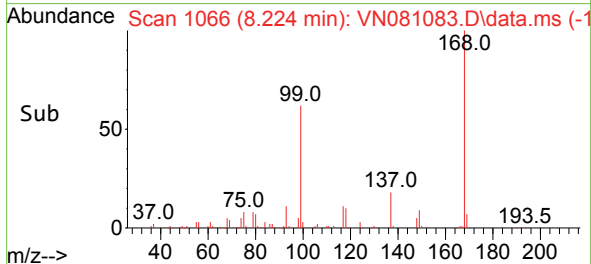
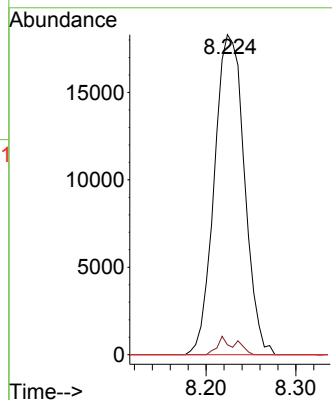


#38
Carbon Tetrachloride
Concen: 6.234 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN081083.D
Acq: 19 Feb 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
PB159113TB

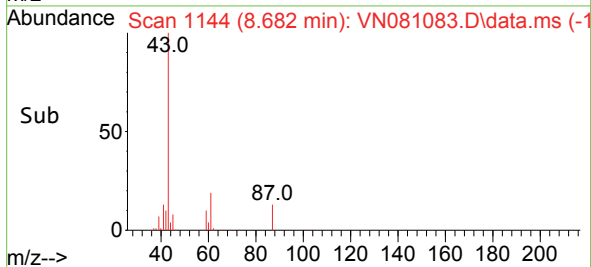
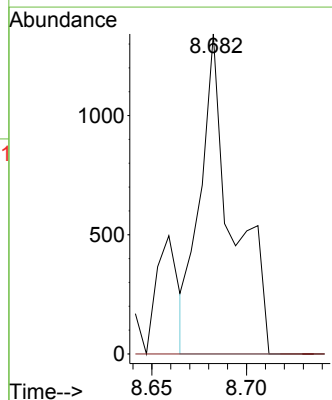
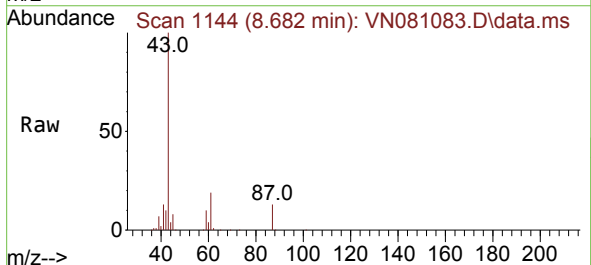


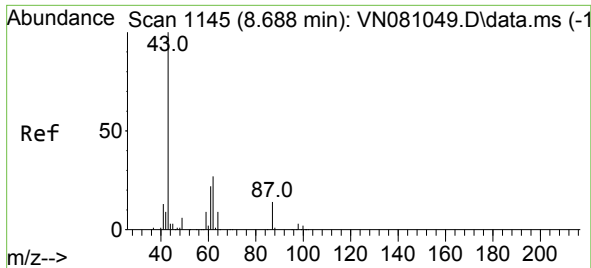
Tgt Ion:117 Resp: 42510
Ion Ratio Lower Upper
117 100
119 3.1 73.4 110.2#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.235 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.012 min
Lab File: VN081083.D
Acq: 19 Feb 2024 18:05

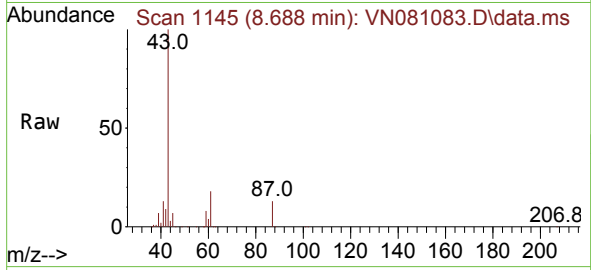
Tgt Ion: 62 Resp: 1600
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.0



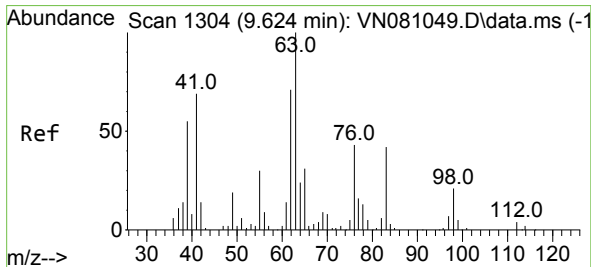
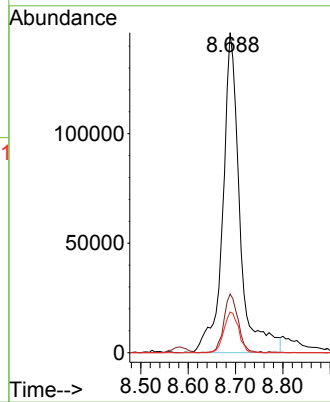
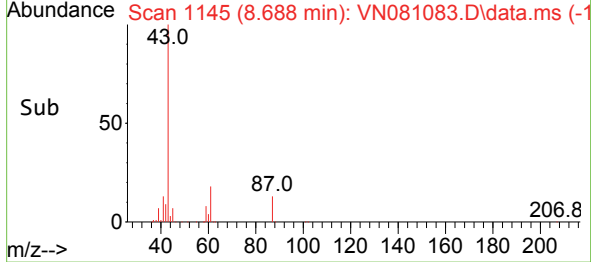


#43
Isopropyl Acetate
Concen: 34.232 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN081083.D
Acq: 19 Feb 2024 18:05

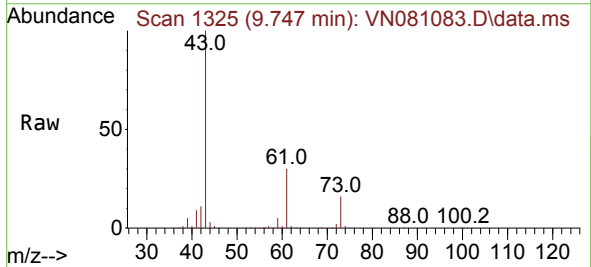
Instrument :
MSVOA_N
ClientSampleId :
PB159113TB



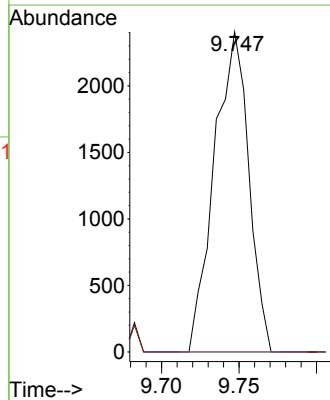
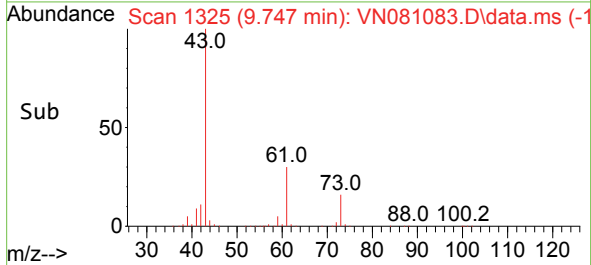
Tgt Ion: 43 Resp: 364193
Ion Ratio Lower Upper
43 100
61 15.4 19.9 29.9#
87 11.0 9.0 13.6

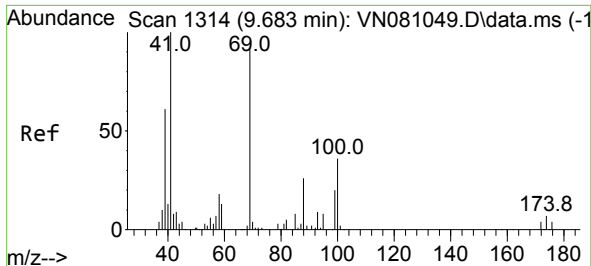


#45
1,2-Dichloropropane
Concen: 0.762 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.123 min
Lab File: VN081083.D
Acq: 19 Feb 2024 18:05



Tgt Ion: 63 Resp: 3717
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

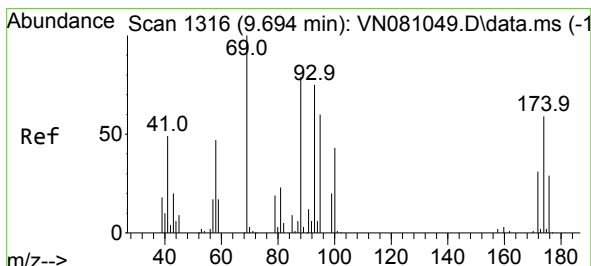
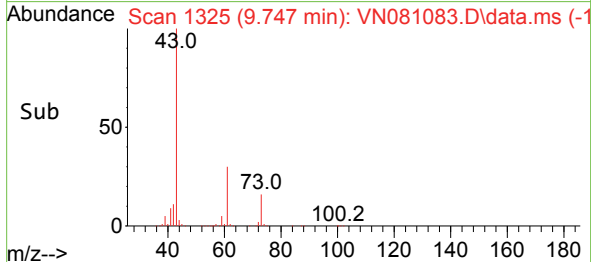
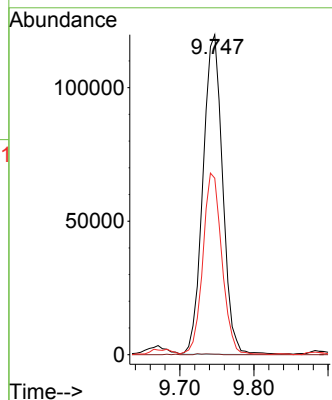
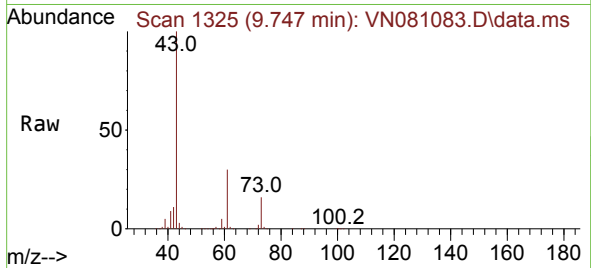




#48
Methyl methacrylate
Concen: 44.472 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN081083.D
Acq: 19 Feb 2024 18:05

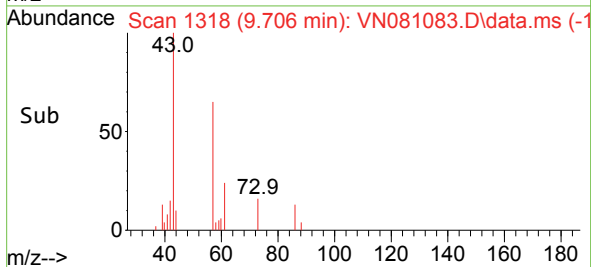
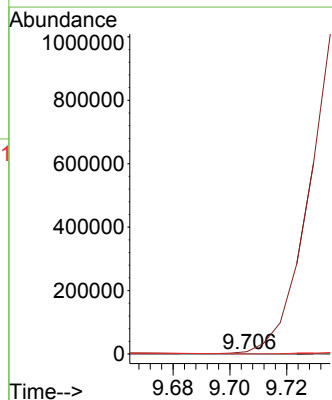
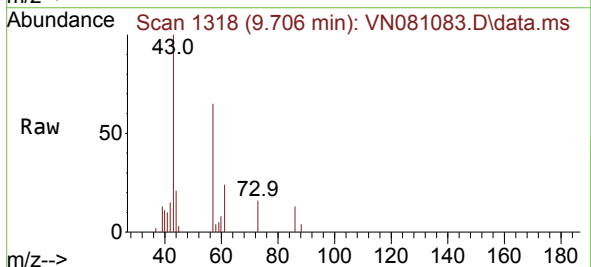
Instrument :
MSVOA_N
ClientSampleId :
PB159113TB

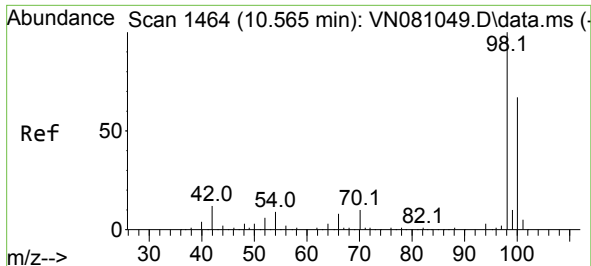
Tgt Ion: 41 Resp: 220152
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.2#
39 55.0 47.6 71.4



#49
1,4-Dioxane
Concen: Below Cal
RT: 9.706 min Scan# 1318
Delta R.T. 0.012 min
Lab File: VN081083.D
Acq: 19 Feb 2024 18:05

Tgt Ion: 88 Resp: 265
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 0.0 63.9 95.9#

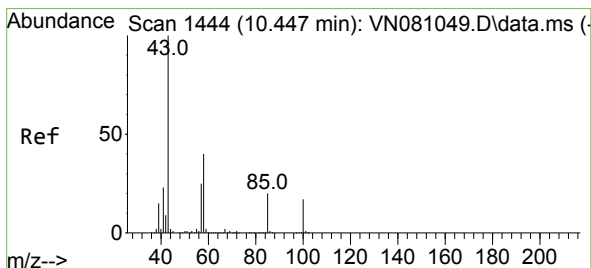
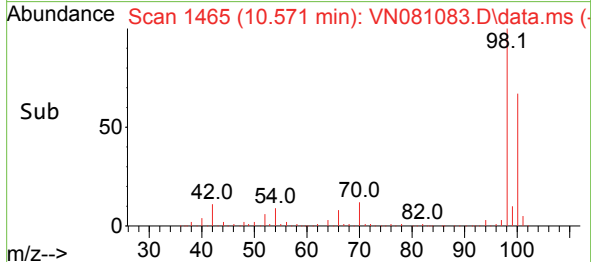
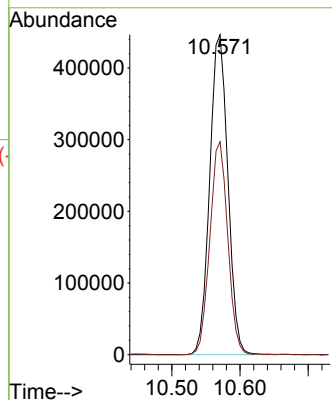
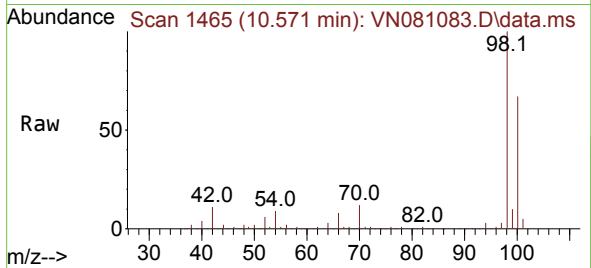




#50
Toluene-d8
Concen: 59.302 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081083.D
Acq: 19 Feb 2024 18:05

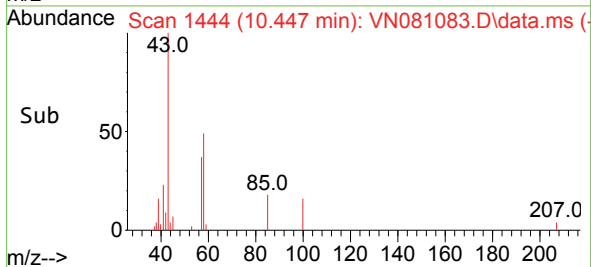
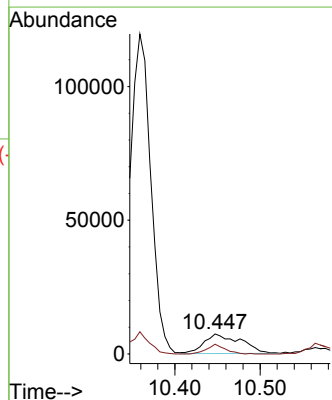
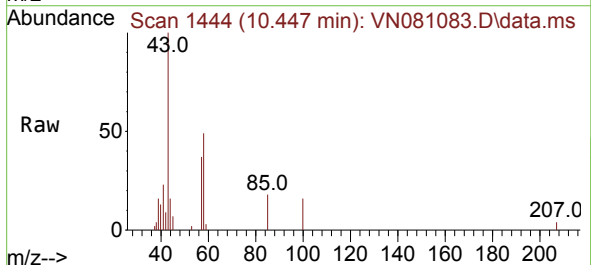
Instrument :
MSVOA_N
ClientSampleId :
PB159113TB

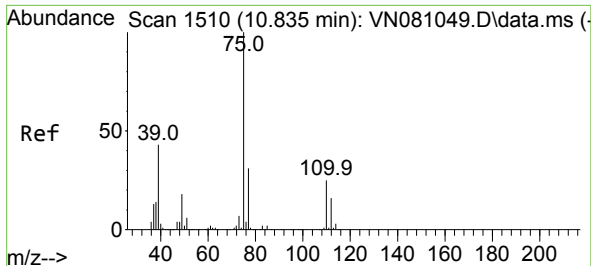
Tgt Ion: 98 Resp: 828645
Ion Ratio Lower Upper
98 100
100 65.5 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 3.578 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN081083.D
Acq: 19 Feb 2024 18:05

Tgt Ion: 43 Resp: 21898
Ion Ratio Lower Upper
43 100
58 24.8 29.4 44.0#

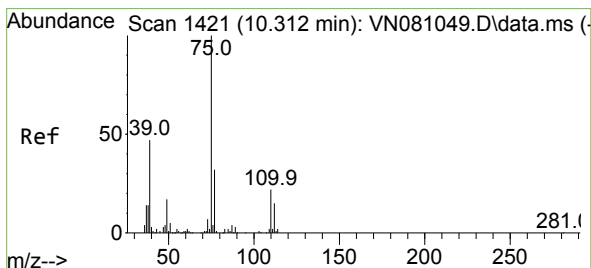
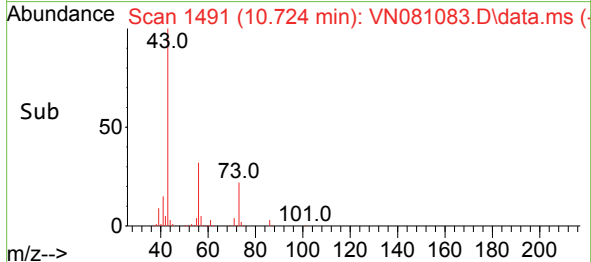
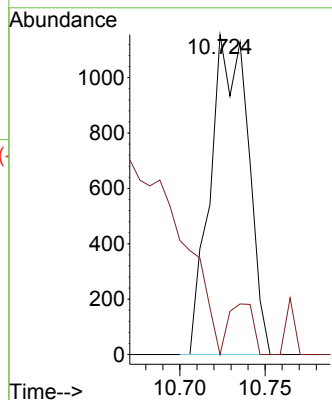
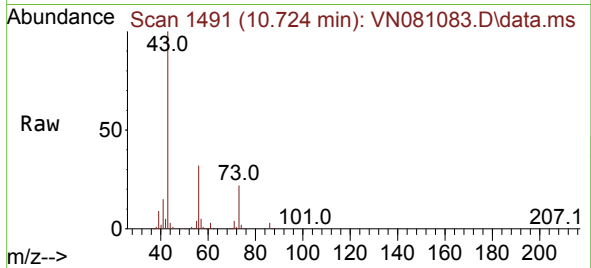




#53
 t-1,3-Dichloropropene
 Concen: 0.237 ug/l
 RT: 10.724 min Scan# 1491
 Delta R.T. -0.112 min
 Lab File: VN081083.D
 Acq: 19 Feb 2024 18:05

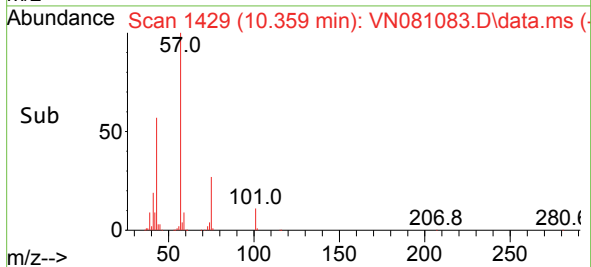
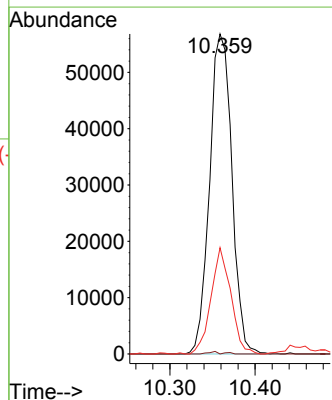
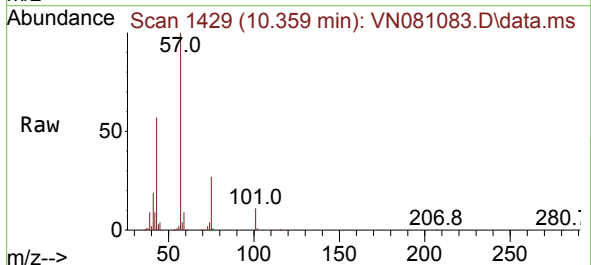
Instrument :
 MSVOA_N
 ClientSampleId :
 PB159113TB

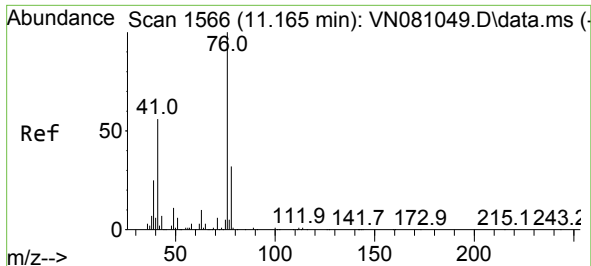
Tgt Ion: 75 Resp: 1775
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#



#54
 cis-1,3-Dichloropropene
 Concen: 12.776 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN081083.D
 Acq: 19 Feb 2024 18:05

Tgt Ion: 75 Resp: 103297
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.3 34.9#
 39 32.9 44.6 66.8#





#57

1,3-Dichloropropane

Concen: 1.542 ug/l

RT: 11.200 min Scan# 1567

Delta R.T. 0.035 min

Lab File: VN081083.D

Acq: 19 Feb 2024 18:05

Instrument :

MSVOA_N

ClientSampleId :

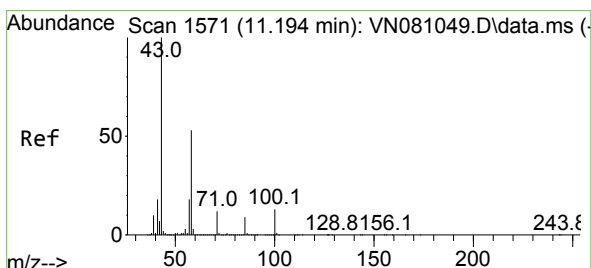
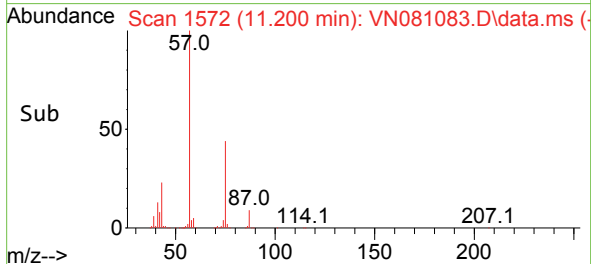
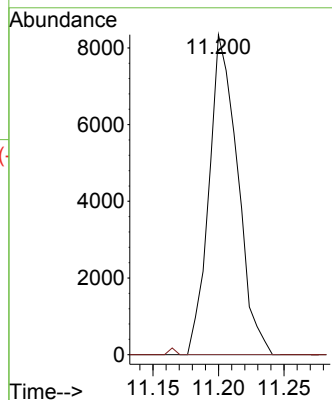
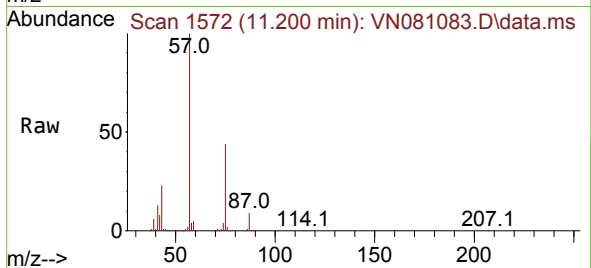
PB159113TB

Tgt Ion: 76 Resp: 12664

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 46.001 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN081083.D

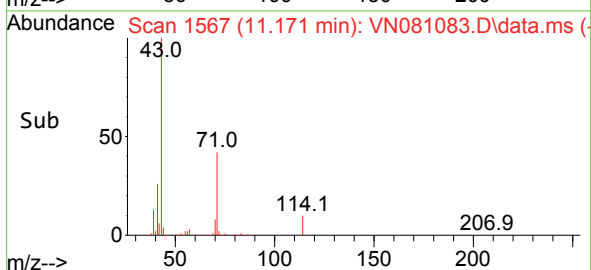
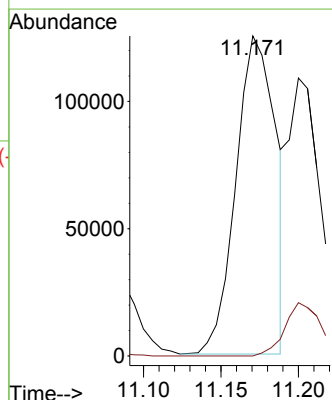
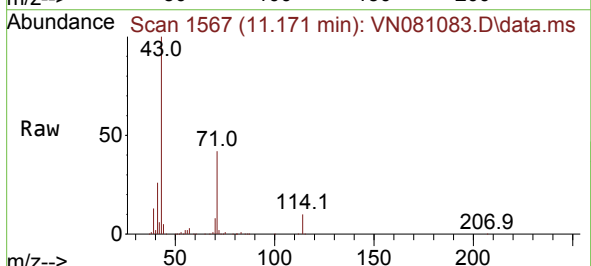
Acq: 19 Feb 2024 18:05

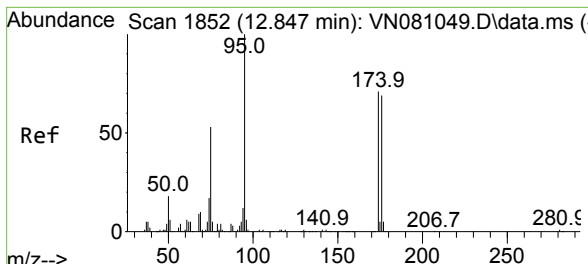
Tgt Ion: 43 Resp: 223194

Ion Ratio Lower Upper

43 100

58 0.0 25.9 77.8#

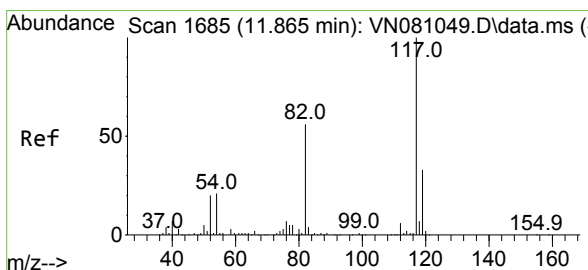
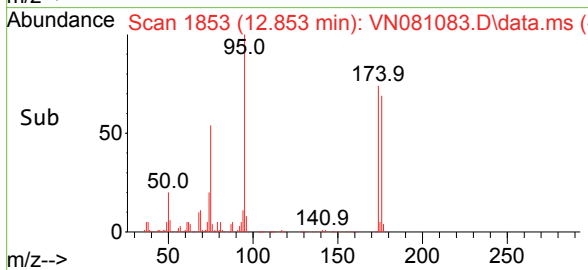
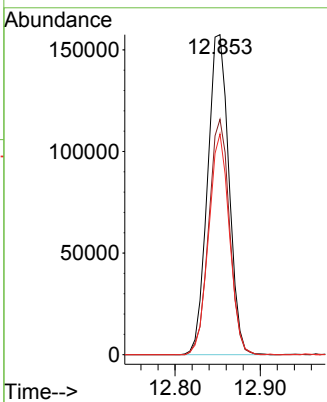
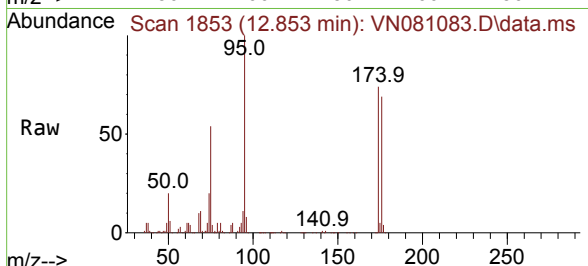




#62
4-Bromofluorobenzene
Concen: 52.282 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081083.D
Acq: 19 Feb 2024 18:05

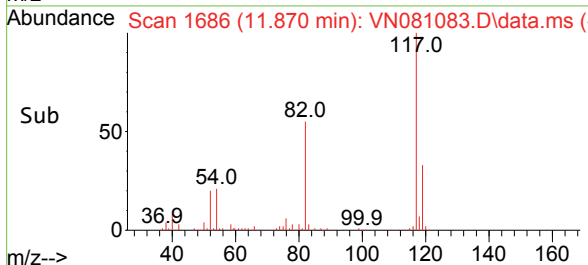
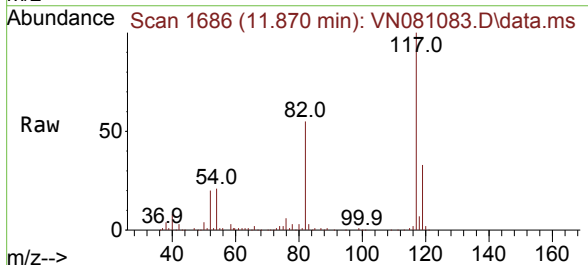
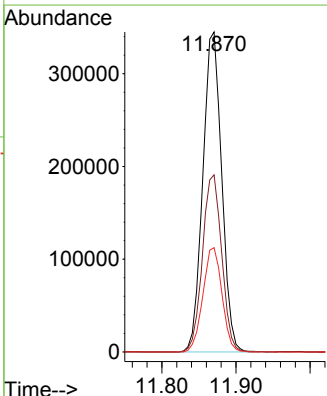
Instrument :
MSVOA_N
ClientSampleId :
PB159113TB

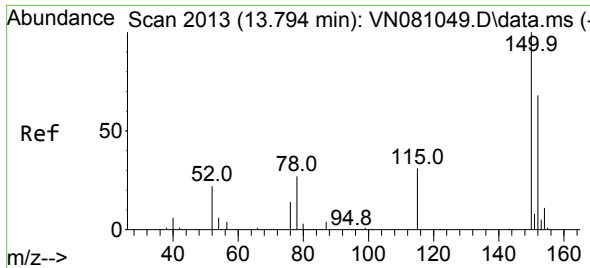
Tgt Ion:	95	Resp:	274509
Ion	Ratio	Lower	Upper
95	100		
174	71.5	0.0	120.4
176	67.0	0.0	121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN081083.D
Acq: 19 Feb 2024 18:05

Tgt Ion:	117	Resp:	609999
Ion	Ratio	Lower	Upper
117	100		
82	55.4	52.7	79.1
119	32.6	25.3	37.9

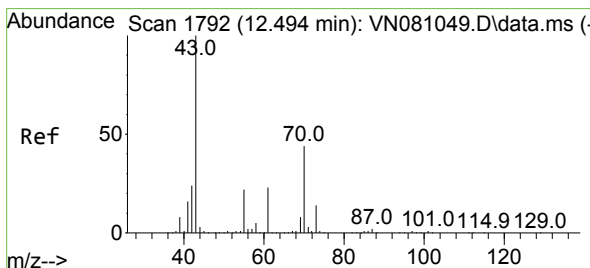
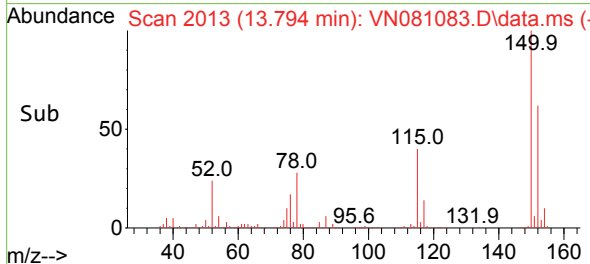
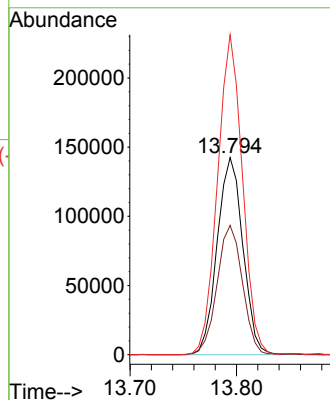
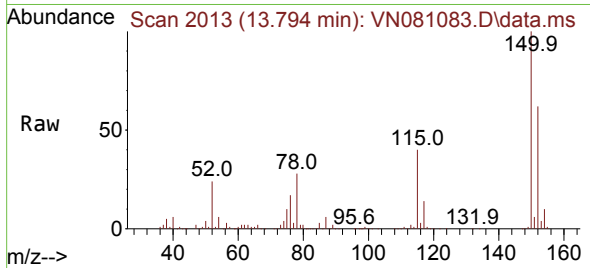




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN081083.D
 Acq: 19 Feb 2024 18:05

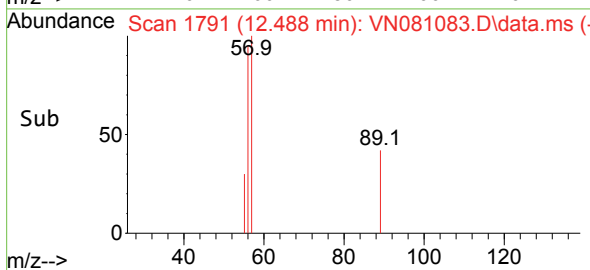
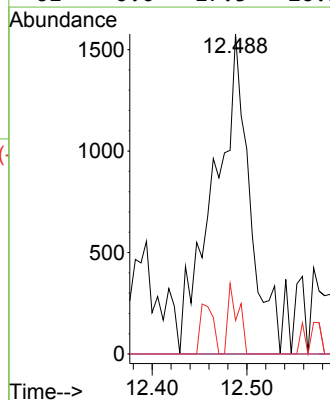
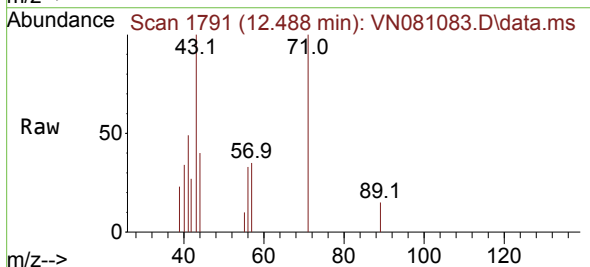
Instrument :
 MSVOA_N
 ClientSampleId :
 PB159113TB

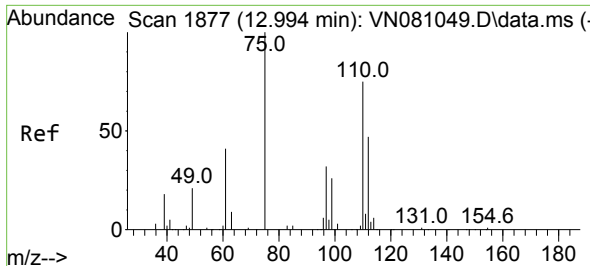
Tgt Ion:152 Resp: 238632
 Ion Ratio Lower Upper
 152 100
 115 65.1 32.3 96.8
 150 157.0 0.0 339.8



#74
 N-ethyl acetate
 Concen: 0.468 ug/l
 RT: 12.488 min Scan# 1791
 Delta R.T. -0.006 min
 Lab File: VN081083.D
 Acq: 19 Feb 2024 18:05

Tgt Ion: 43 Resp: 4133
 Ion Ratio Lower Upper
 43 100
 70 0.0 30.1 45.1#
 55 6.5 17.0 25.4#
 61 0.0 17.5 26.3#

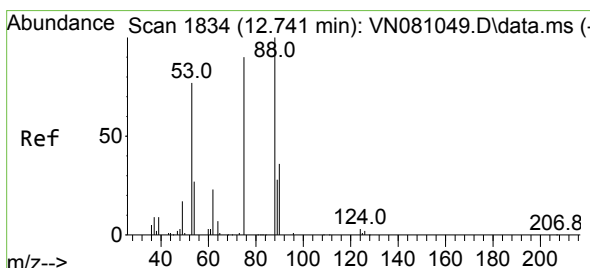
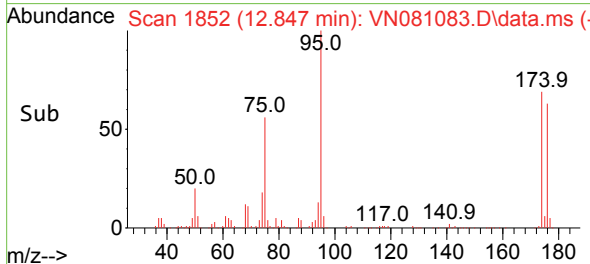
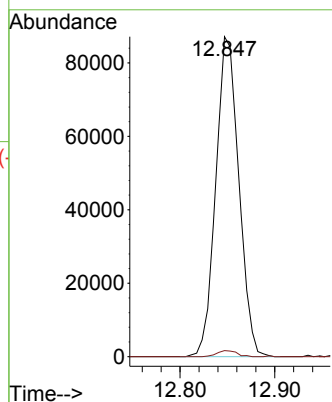
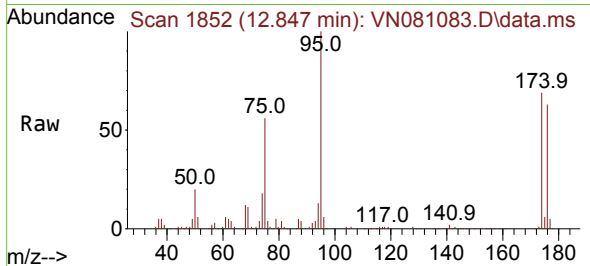




#76
1,2,3-Trichloropropane
Concen: 27.193 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081083.D
Acq: 19 Feb 2024 18:05

Instrument :
MSVOA_N
ClientSampleId :
PB159113TB

Tgt Ion: 75 Resp: 147438
Ion Ratio Lower Upper
75 100
77 1.6 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.993 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN081083.D
Acq: 19 Feb 2024 18:05

Tgt Ion: 75 Resp: 147438
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#

