

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021924\
 Data File : VN081077.D
 Acq On : 19 Feb 2024 15:42
 Operator : JC\MD
 Sample : PB159057ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB159057ZHE#05

Quant Time: Feb 20 00:23:24 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)

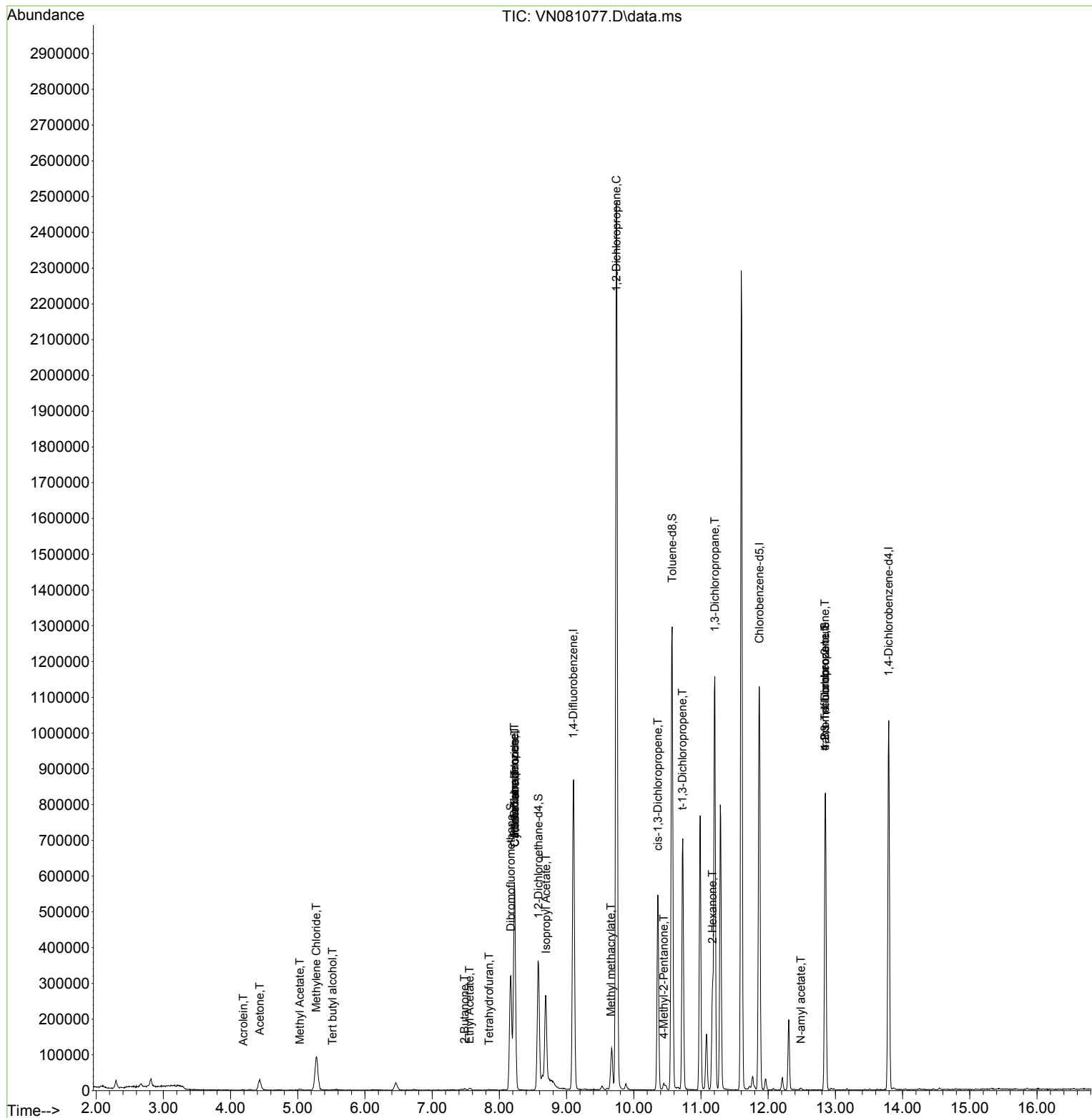
Internal Standards						
1) Pentafluorobenzene	8.224	168	400585	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	767269	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	675286	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	272940	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	292063	59.483	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.960%			
35) Dibromofluoromethane	8.171	113	234398	54.025	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.060%			
50) Toluene-d8	10.571	98	905356	58.752	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 117.500%#			
62) 4-Bromofluorobenzene	12.847	95	303846	52.475	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.960%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	2107	Below Cal	#	43
6) Chloroethane	3.136	64	357	Below Cal	#	42
11) Tert butyl alcohol	5.518	59	728	0.806	ug/l #	72
13) Acrolein	4.189	56	1321	2.729	ug/l	99
16) Acetone	4.436	43	52017	26.924	ug/l	96
18) Methyl Acetate	5.030	43	5288	1.122	ug/l #	85
20) Methylene Chloride	5.277	84	72616	13.857	ug/l	89
25) 2-Butanone	7.483	43	6485	2.078	ug/l	95
29) Tetrahydrofuran	7.847	42	1444	0.693	ug/l #	73
31) Cyclohexane	8.230	56	9912	1.169	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	33590	4.519	ug/l #	53
37) Ethyl Acetate	7.559	43	7258	1.082	ug/l #	92
38) Carbon Tetrachloride	8.230	117	45801	6.090	ug/l #	17
43) Isopropyl Acetate	8.694	43	355181	30.273	ug/l #	88
45) 1,2-Dichloropropane	9.741	63	3004	0.558	ug/l #	42
48) Methyl methacrylate	9.659	41	7741	1.418	ug/l #	49
49) 1,4-Dioxane	9.700	88	185	Below Cal	#	18
51) 4-Methyl-2-Pentanone	10.447	43	11966	1.773	ug/l	95
53) t-1,3-Dichloropropene	10.724	75	1776	0.215	ug/l #	64
54) cis-1,3-Dichloropropene	10.359	75	102153	11.456	ug/l #	56
57) 1,3-Dichloropropane	11.206	76	13368	1.476	ug/l #	44
59) 2-Hexanone	11.171	43	226853	42.396	ug/l #	26
74) N-amyl acetate	12.488	43	2632	0.261	ug/l #	52
76) 1,2,3-Trichloropropane	12.847	75	158652	25.583	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	158652	65.849	ug/l #	14

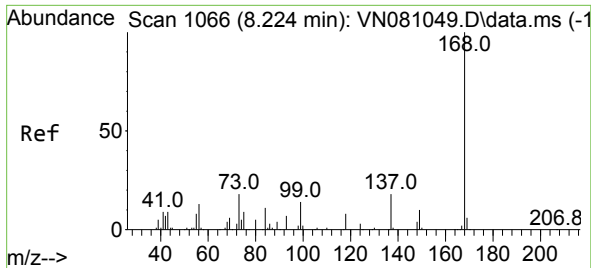
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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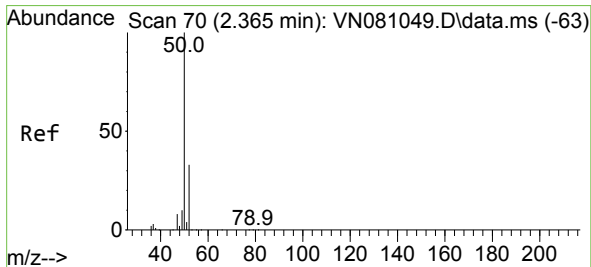
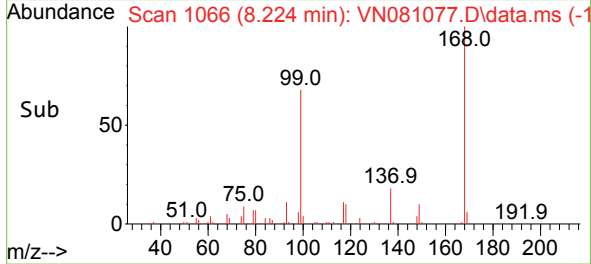
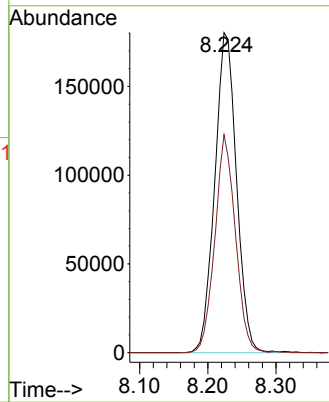
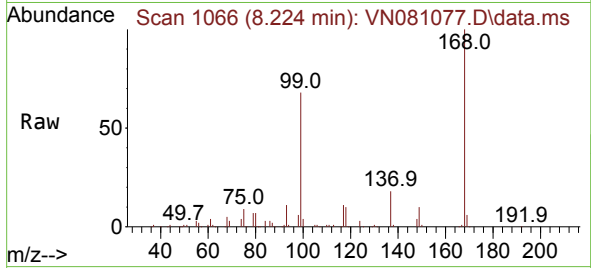




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081077.D
Acq: 19 Feb 2024 15:42

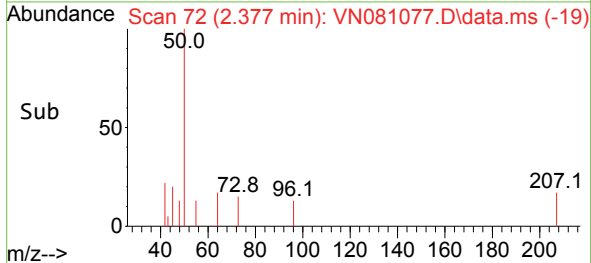
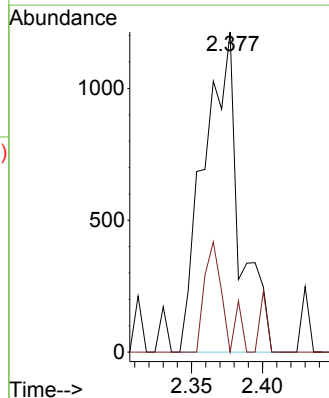
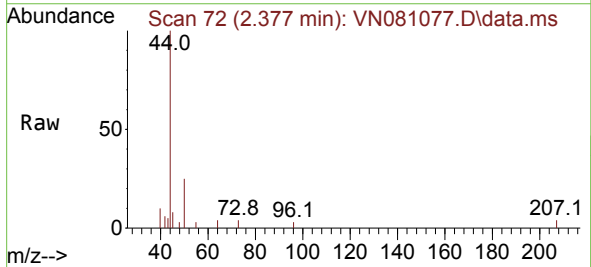
Instrument :
MSVOA_N
ClientSampleId :
PB159057ZHE#05

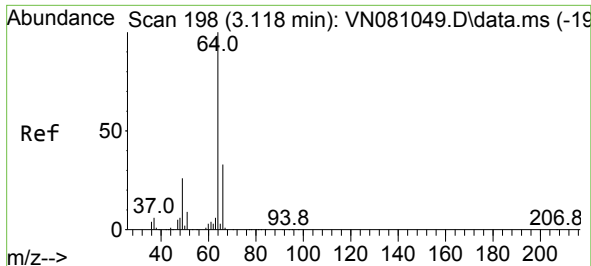
Tgt Ion:168 Resp: 400585
Ion Ratio Lower Upper
168 100
99 68.1 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.012 min
Lab File: VN081077.D
Acq: 19 Feb 2024 15:42

Tgt Ion: 50 Resp: 2107
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

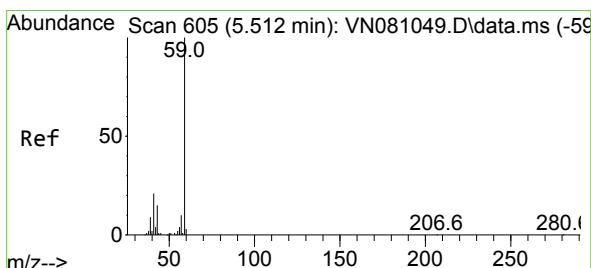
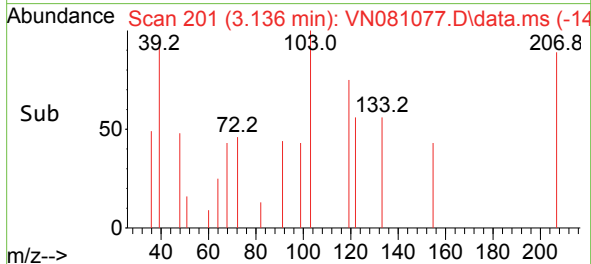
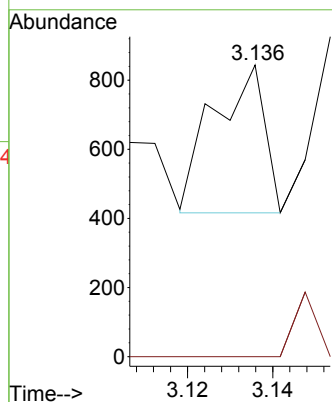
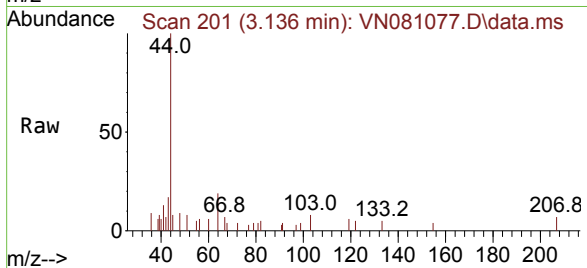




#6
Chloroethane
Concen: Below Cal
RT: 3.136 min Scan# 201
Delta R.T. 0.018 min
Lab File: VN081077.D
Acq: 19 Feb 2024 15:42

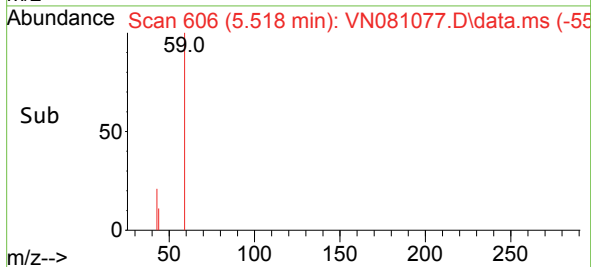
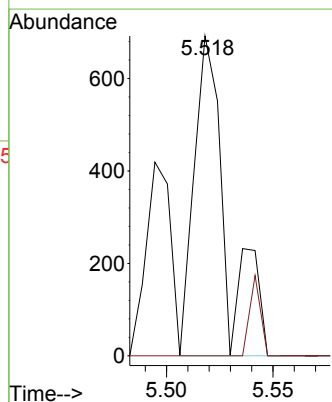
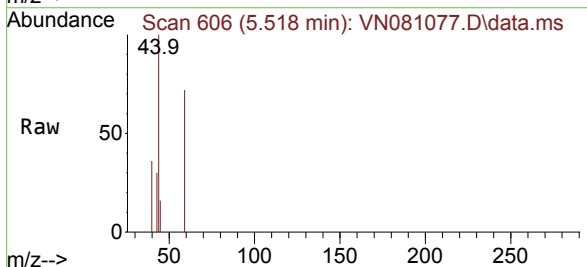
Instrument :
MSVOA_N
ClientSampleId :
PB159057ZHE#05

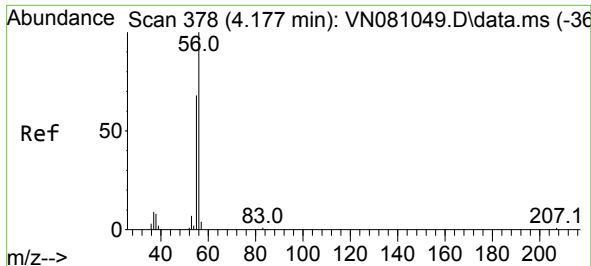
Tgt Ion: 64 Resp: 357
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#11
Tert butyl alcohol
Concen: 0.806 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.006 min
Lab File: VN081077.D
Acq: 19 Feb 2024 15:42

Tgt Ion: 59 Resp: 728
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

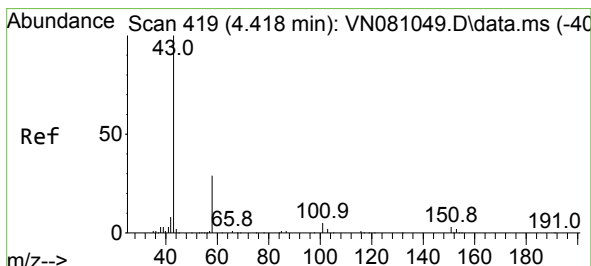
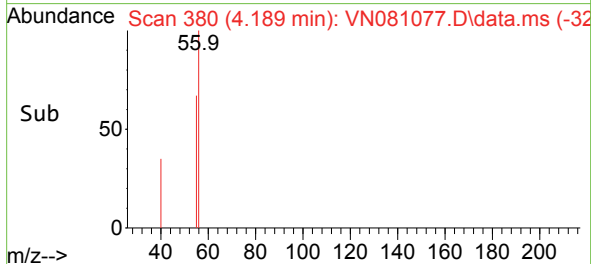
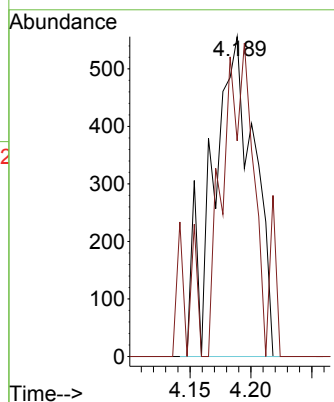
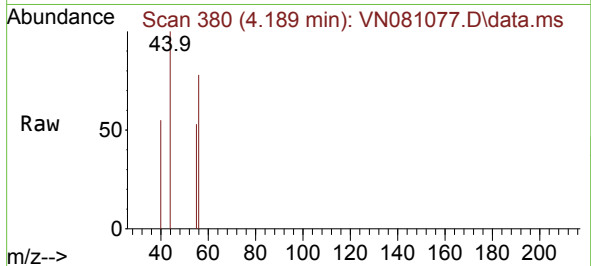




#13
Acrolein
Concen: 2.729 ug/l
RT: 4.189 min Scan# 313
Delta R.T. 0.012 min
Lab File: VN081077.D
Acq: 19 Feb 2024 15:42

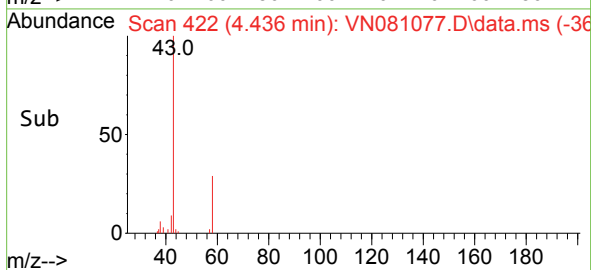
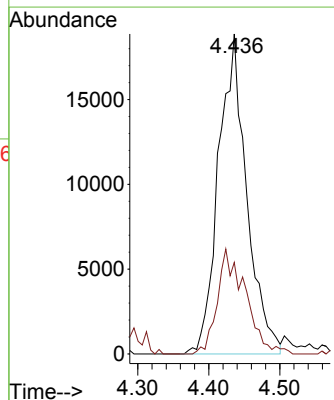
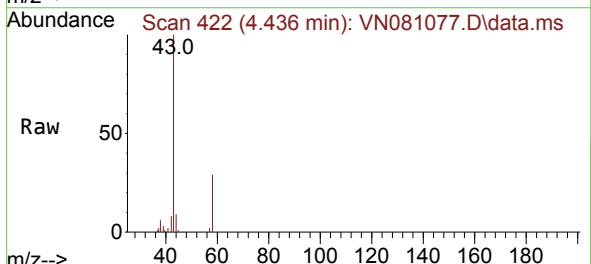
Instrument :
MSVOA_N
ClientSampleId :
PB159057ZHE#05

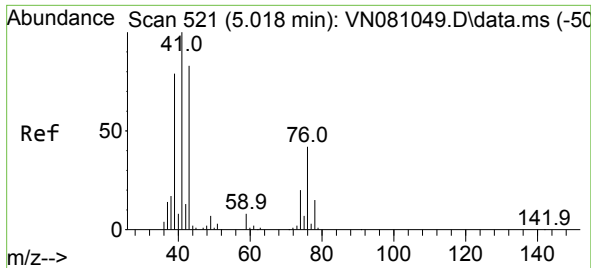
Tgt Ion: 56 Resp: 1321
Ion Ratio Lower Upper
56 100
55 69.9 55.3 82.9



#16
Acetone
Concen: 26.924 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.018 min
Lab File: VN081077.D
Acq: 19 Feb 2024 15:42

Tgt Ion: 43 Resp: 52017
Ion Ratio Lower Upper
43 100
58 28.6 24.8 37.2

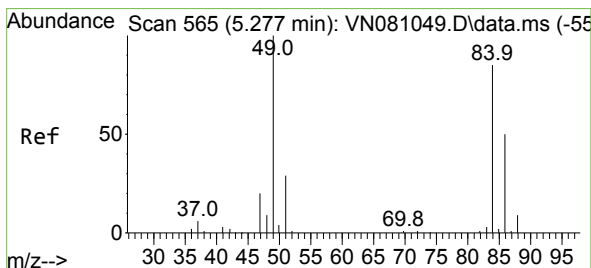
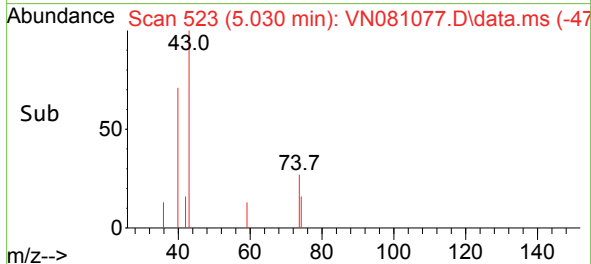
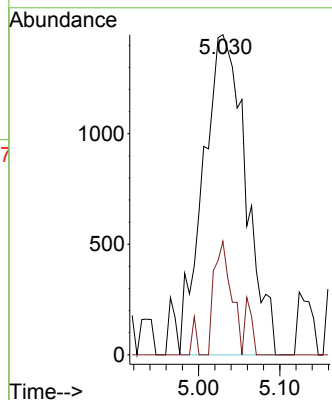
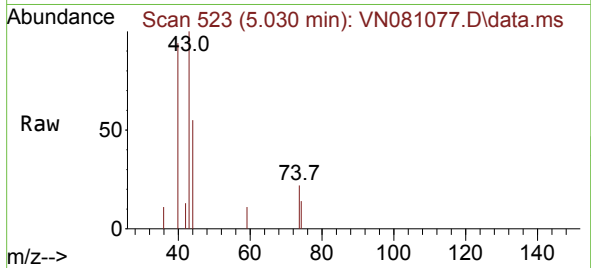




#18
Methyl Acetate
Concen: 1.122 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN081077.D
Acq: 19 Feb 2024 15:42

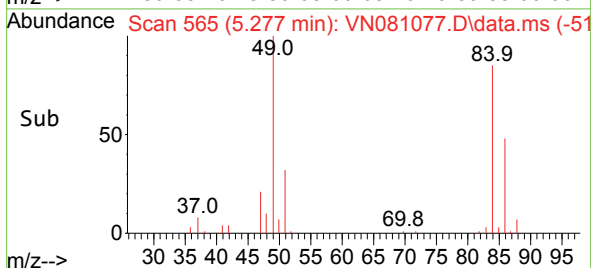
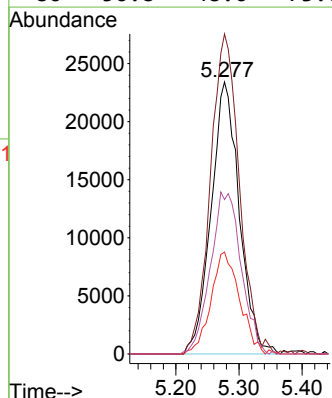
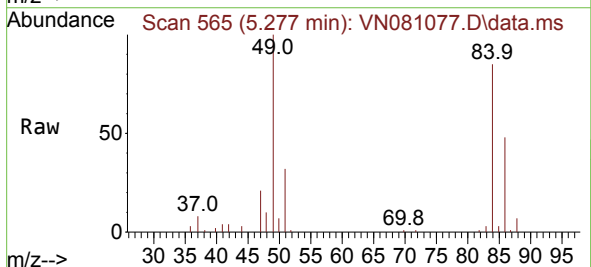
Instrument :
MSVOA_N
ClientSampleId :
PB159057ZHE#05

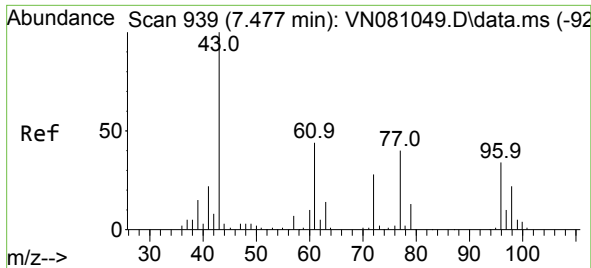
Tgt Ion: 43 Resp: 5288
Ion Ratio Lower Upper
43 100
74 14.3 17.3 25.9#



#20
Methylene Chloride
Concen: 13.857 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN081077.D
Acq: 19 Feb 2024 15:42

Tgt Ion: 84 Resp: 72616
Ion Ratio Lower Upper
84 100
49 117.7 108.1 162.1
51 37.5 32.9 49.3
86 56.8 48.6 73.0

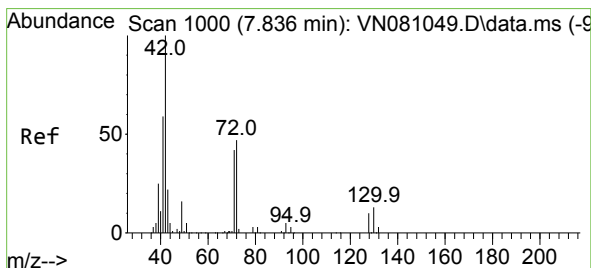
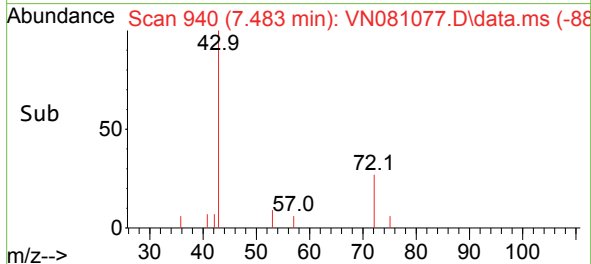
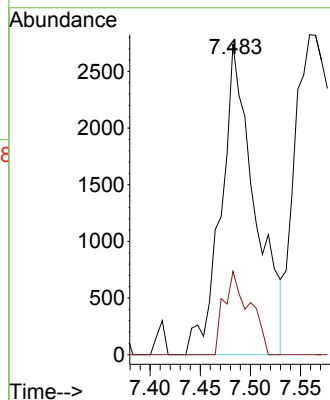
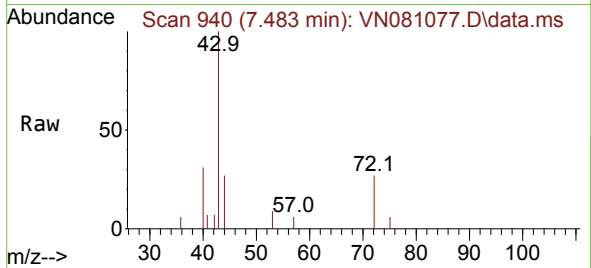




#25
2-Butanone
Concen: 2.078 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN081077.D
Acq: 19 Feb 2024 15:42

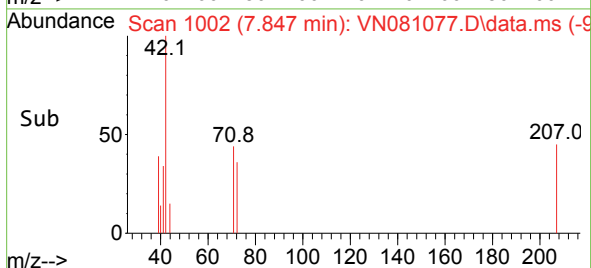
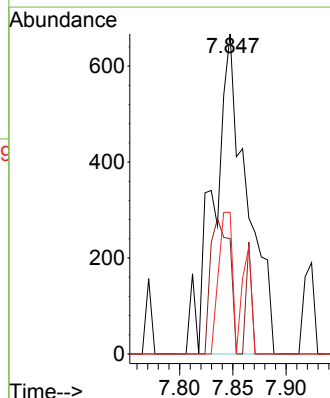
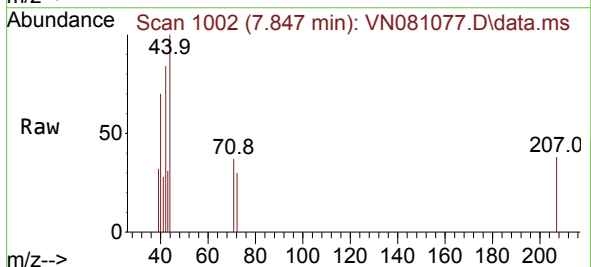
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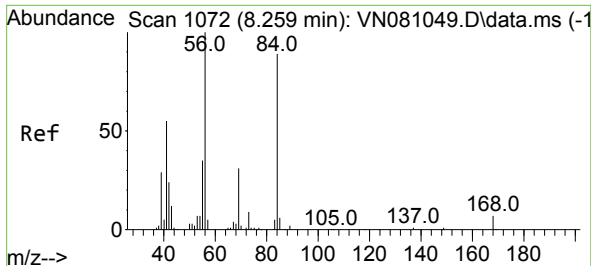
Tgt Ion: 43 Resp: 6485
Ion Ratio Lower Upper
43 100
72 26.9 19.5 29.3



#29
Tetrahydrofuran
Concen: 0.693 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.012 min
Lab File: VN081077.D
Acq: 19 Feb 2024 15:42

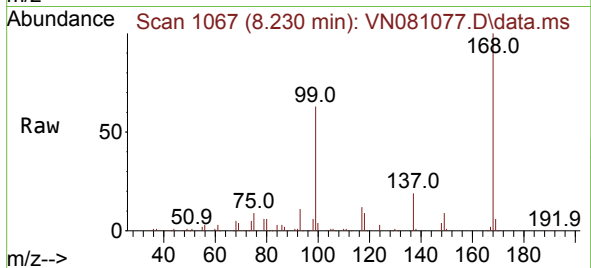
Tgt Ion: 42 Resp: 1444
Ion Ratio Lower Upper
42 100
72 24.4 31.1 46.7#
71 18.1 28.3 42.5#



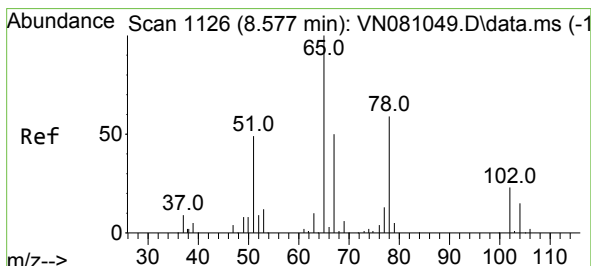
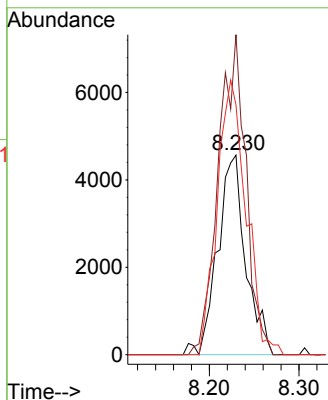
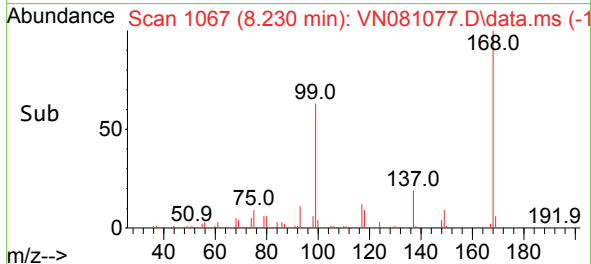


#31
Cyclohexane
Concen: 1.169 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN081077.D
Acq: 19 Feb 2024 15:42

Instrument :
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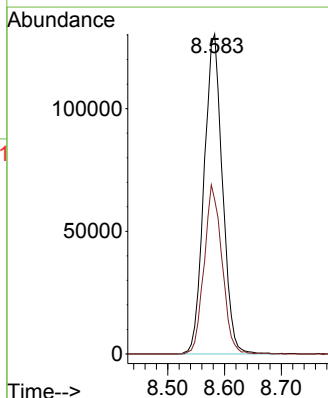
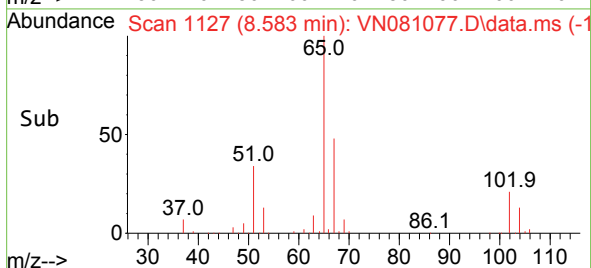
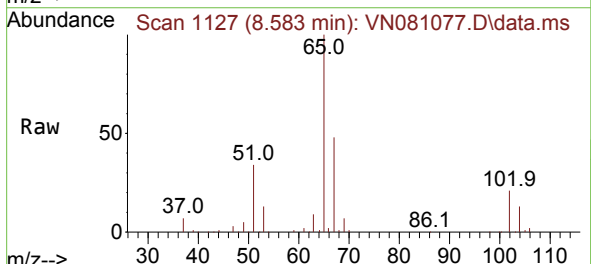


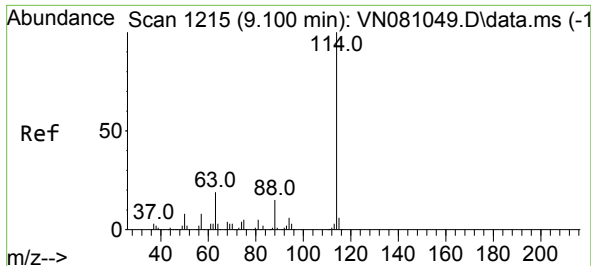
Tgt Ion: 56 Resp: 9912
Ion Ratio Lower Upper
56 100
69 160.4 20.1 30.1#
84 125.3 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 59.483 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081077.D
Acq: 19 Feb 2024 15:42

Tgt Ion: 65 Resp: 292063
Ion Ratio Lower Upper
65 100
67 51.4 0.0 102.4

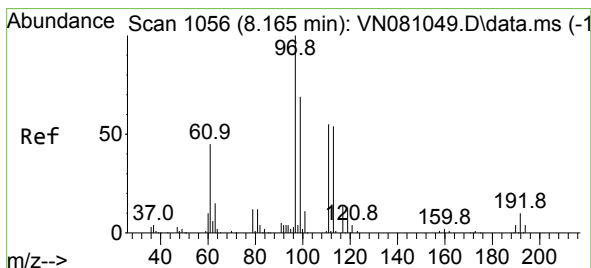
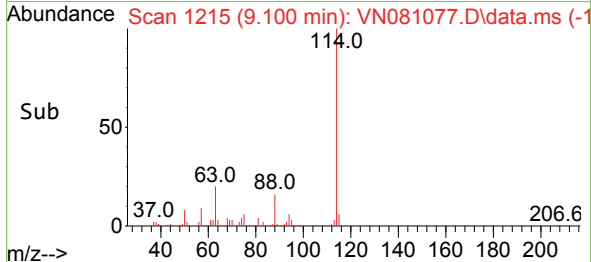
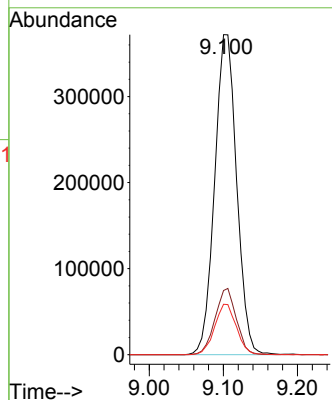
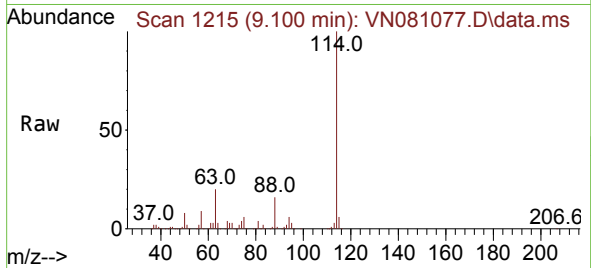




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN081077.D
Acq: 19 Feb 2024 15:42

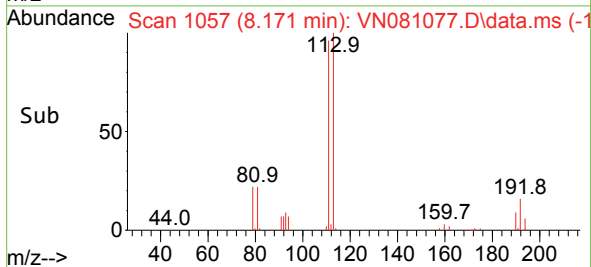
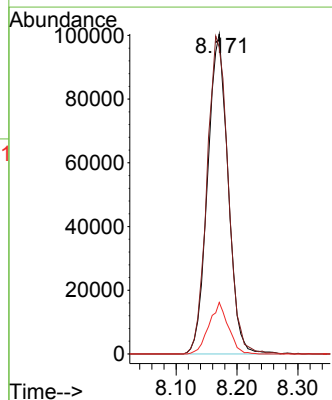
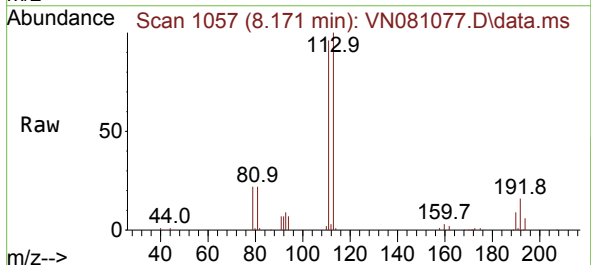
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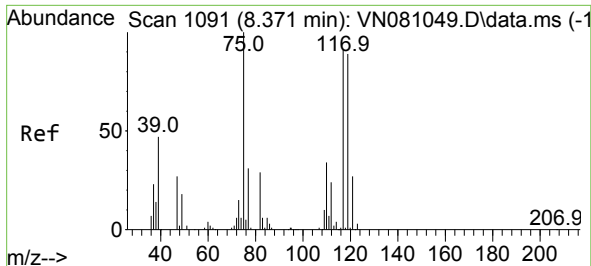
Tgt Ion:114 Resp: 767269
Ion Ratio Lower Upper
114 100
63 20.1 0.0 48.0
88 15.8 0.0 34.8



#35
Dibromofluoromethane
Concen: 54.025 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN081077.D
Acq: 19 Feb 2024 15:42

Tgt Ion:113 Resp: 234398
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.4
192 15.2 12.5 18.7

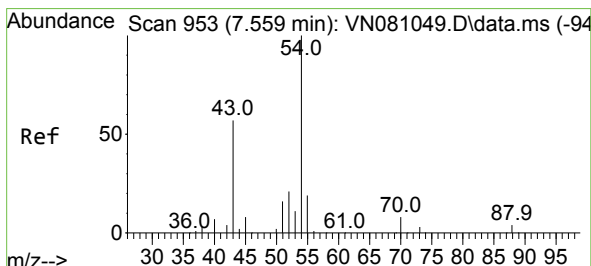
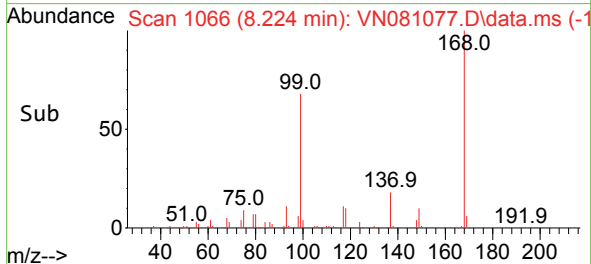
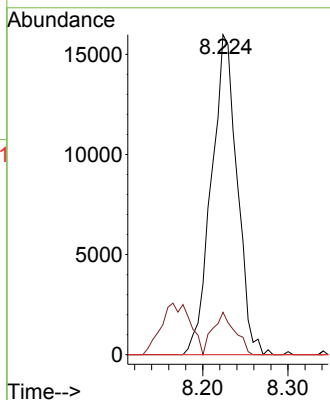
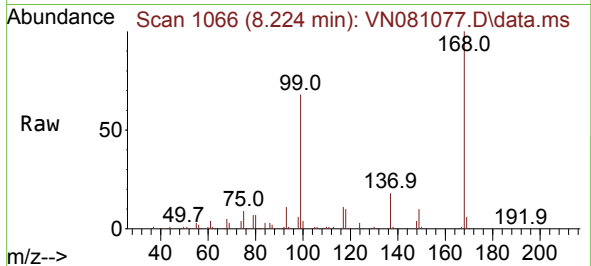




#36
1,1-Dichloropropene
Concen: 4.519 ug/l
RT: 8.224 min Scan# 1091
Delta R.T. -0.147 min
Lab File: VN081077.D
Acq: 19 Feb 2024 15:42

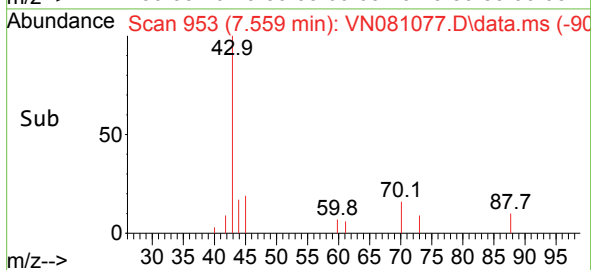
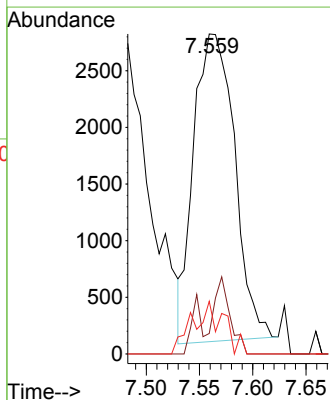
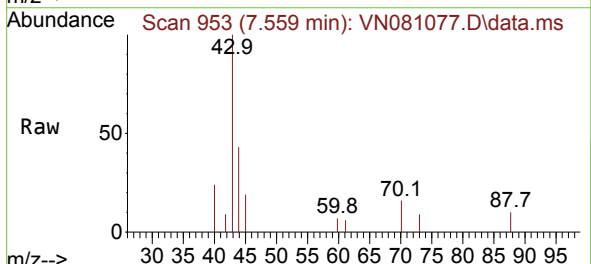
Instrument :
MSVOA_N
ClientSampleId :
PB159057ZHE#05

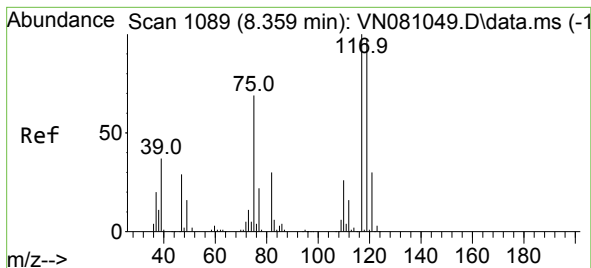
Tgt Ion: 75 Resp: 33590
Ion Ratio Lower Upper
75 100
110 11.4 16.0 48.0#
77 0.0 25.8 38.6#



#37
Ethyl Acetate
Concen: 1.082 ug/l
RT: 7.559 min Scan# 953
Delta R.T. -0.000 min
Lab File: VN081077.D
Acq: 19 Feb 2024 15:42

Tgt Ion: 43 Resp: 7258
Ion Ratio Lower Upper
43 100
61 10.2 10.6 15.8#
70 13.1 8.0 12.0#





#38

Carbon Tetrachloride

Concen: 6.090 ug/l

RT: 8.230 min Scan# 1107

Delta R.T. -0.129 min

Lab File: VN081077.D

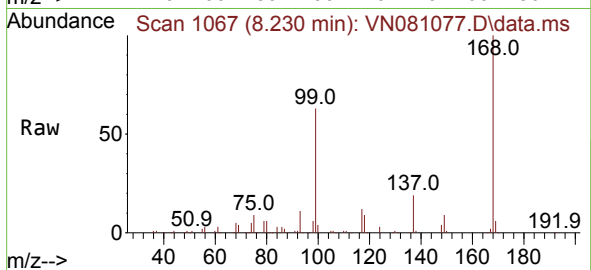
Acq: 19 Feb 2024 15:42

Instrument :

MSVOA_N

ClientSampleId :

PB159057ZHE#05



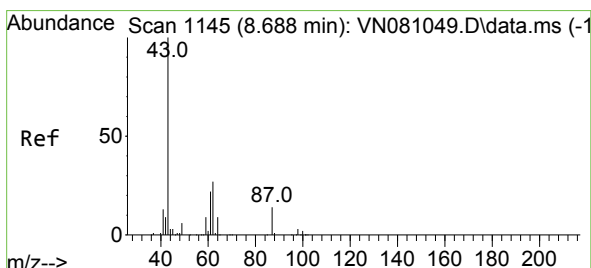
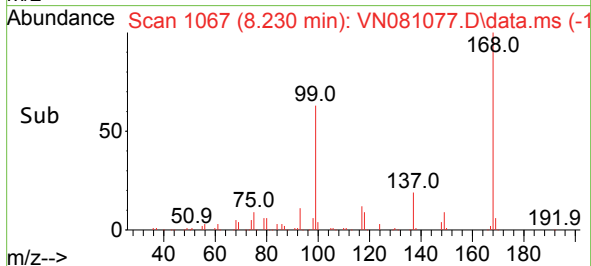
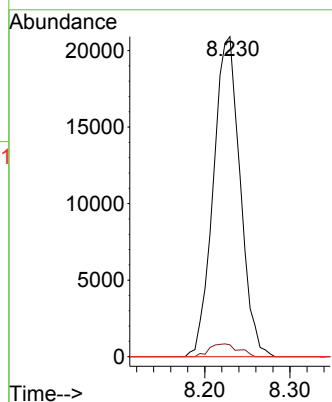
Tgt Ion:117 Resp: 45801

Ion Ratio Lower Upper

117 100

119 3.7 73.4 110.2#

121 0.0 24.4 36.6#



#43

Isopropyl Acetate

Concen: 30.273 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN081077.D

Acq: 19 Feb 2024 15:42

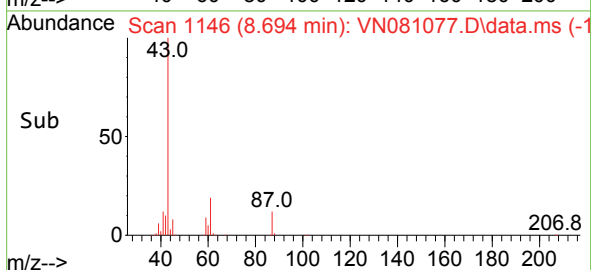
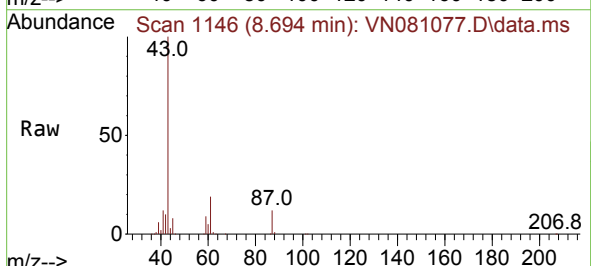
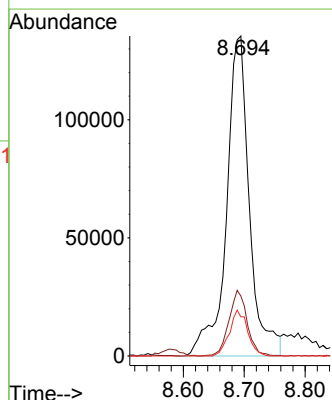
Tgt Ion: 43 Resp: 355181

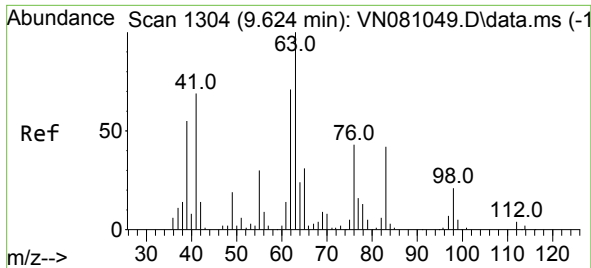
Ion Ratio Lower Upper

43 100

61 16.3 19.9 29.9#

87 11.3 9.0 13.6

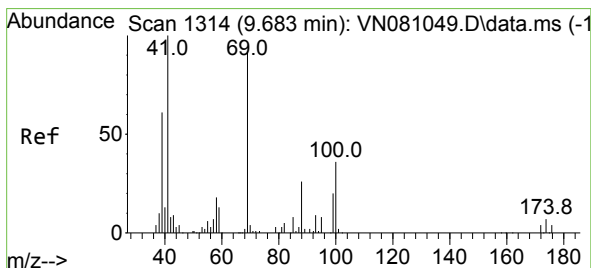
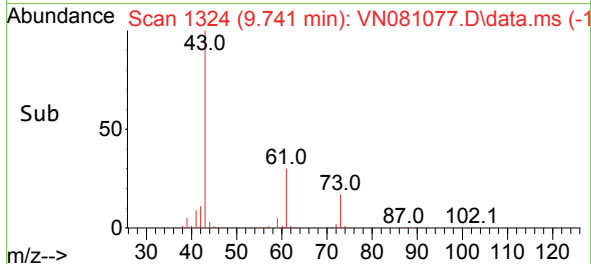
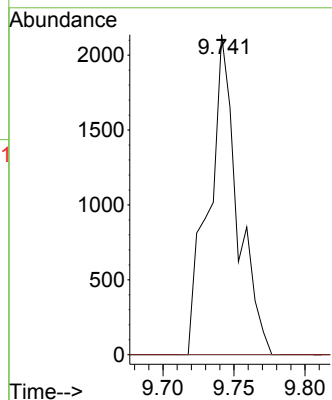
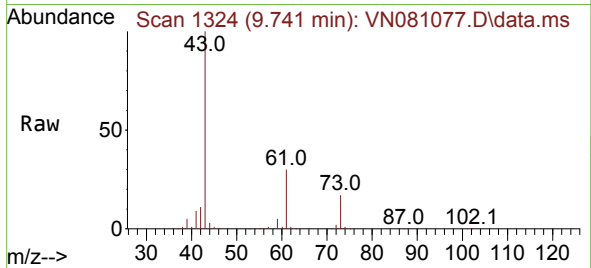




#45
1,2-Dichloropropane
Concen: 0.558 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN081077.D
Acq: 19 Feb 2024 15:42

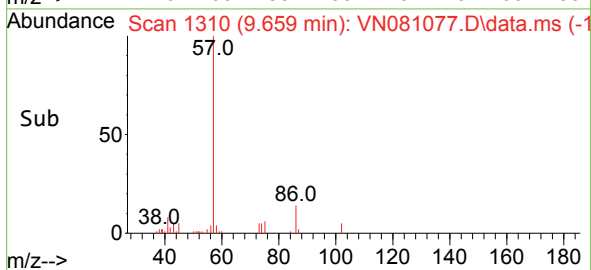
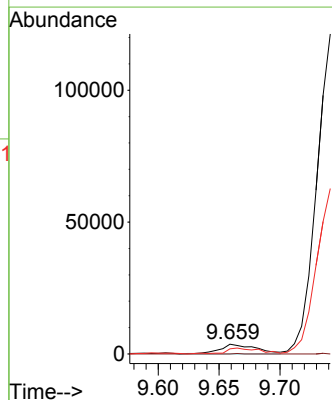
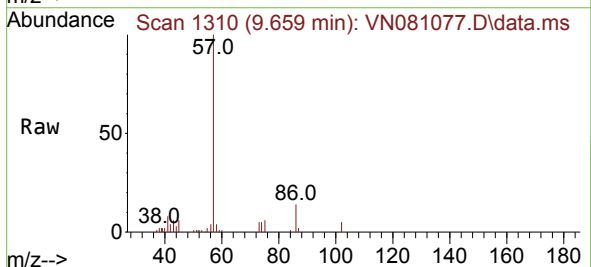
Instrument :
MSVOA_N
ClientSampleId :
PB159057ZHE#05

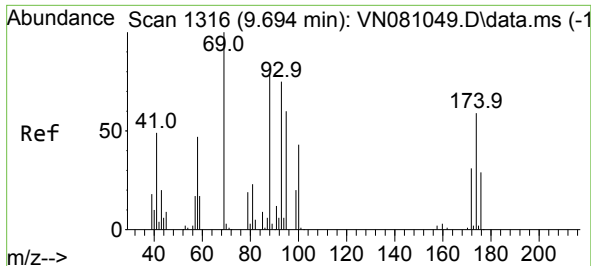
Tgt Ion: 63 Resp: 3004
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#



#48
Methyl methacrylate
Concen: 1.418 ug/l
RT: 9.659 min Scan# 1310
Delta R.T. -0.024 min
Lab File: VN081077.D
Acq: 19 Feb 2024 15:42

Tgt Ion: 41 Resp: 7741
Ion Ratio Lower Upper
41 100
69 0.8 62.2 93.2#
39 57.7 47.6 71.4





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.700 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN081077.D

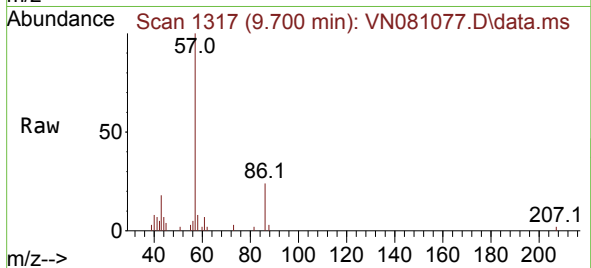
Acq: 19 Feb 2024 15:42

Instrument :

MSVOA_N

ClientSampleId :

PB159057ZHE#05



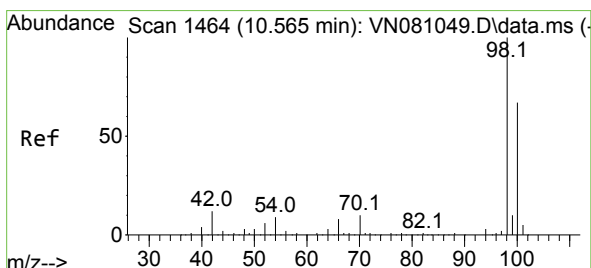
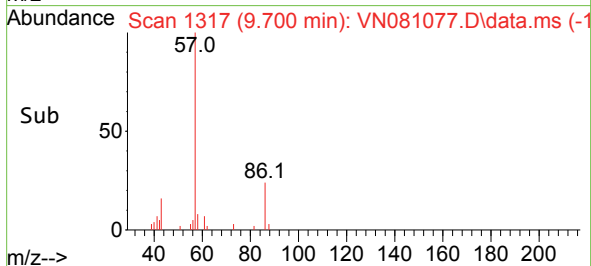
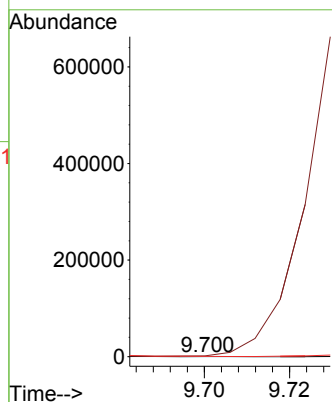
Tgt Ion: 88 Resp: 185

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 0.0 63.9 95.9#



#50

Toluene-d8

Concen: 58.752 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN081077.D

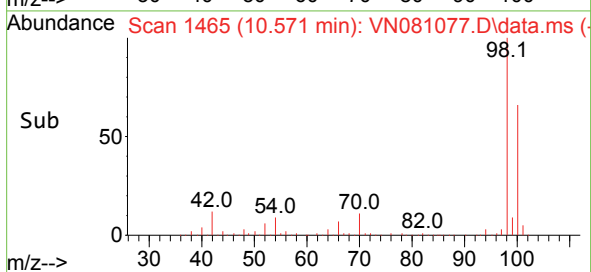
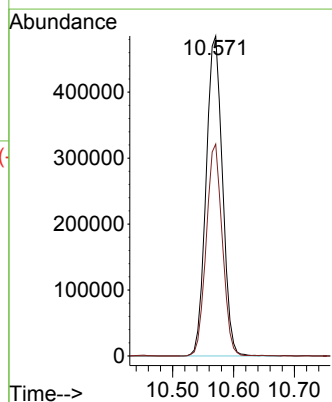
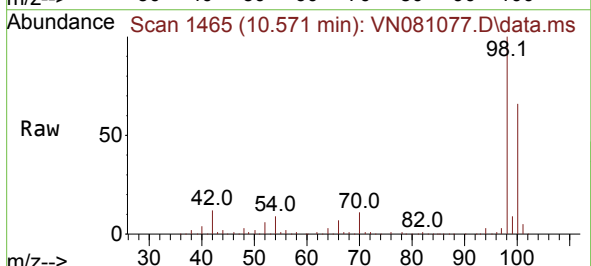
Acq: 19 Feb 2024 15:42

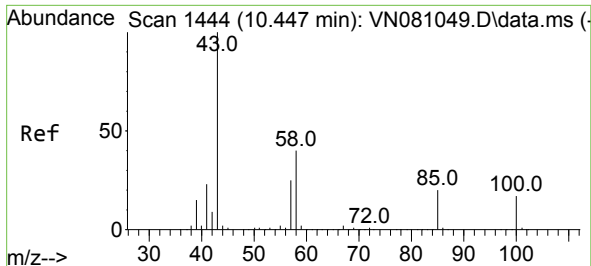
Tgt Ion: 98 Resp: 905356

Ion Ratio Lower Upper

98 100

100 65.1 51.4 77.0

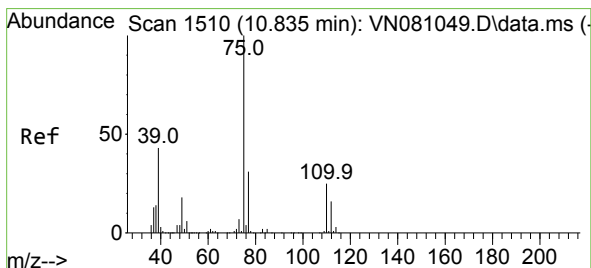
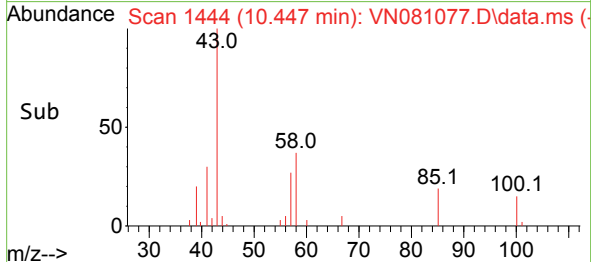
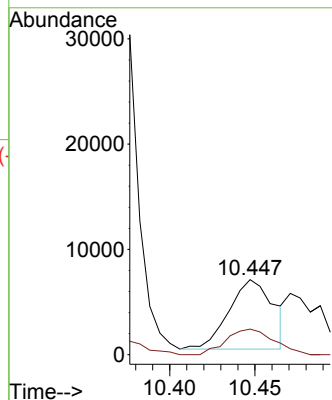
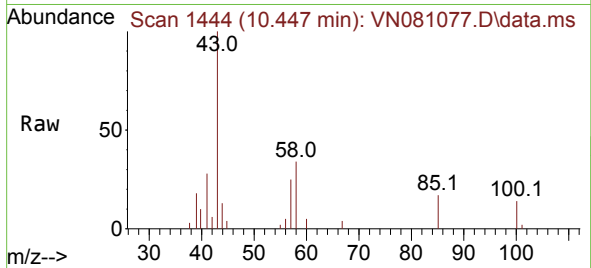




#51
4-Methyl-2-Pentanone
Concen: 1.773 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN081077.D
Acq: 19 Feb 2024 15:42

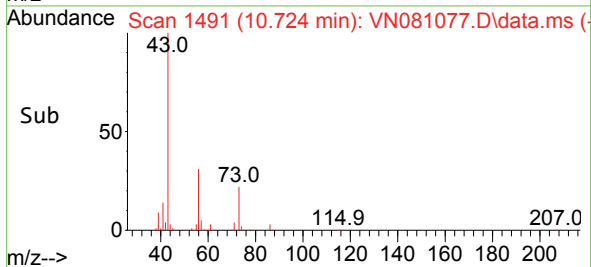
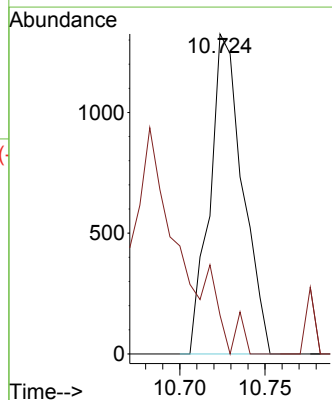
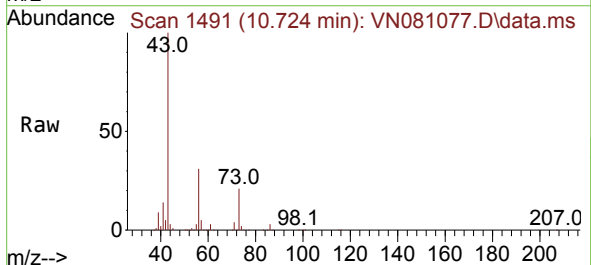
Instrument :
MSVOA_N
ClientSampleId :
PB159057ZHE#05

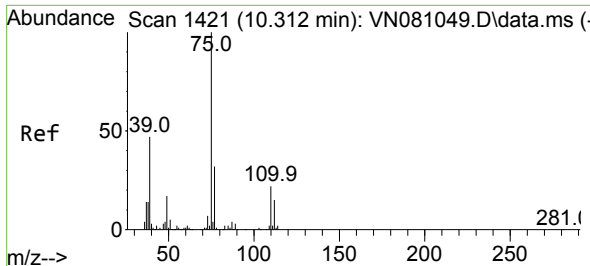
Tgt Ion: 43 Resp: 11966
Ion Ratio Lower Upper
43 100
58 39.6 29.4 44.0



#53
t-1,3-Dichloropropene
Concen: 0.215 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN081077.D
Acq: 19 Feb 2024 15:42

Tgt Ion: 75 Resp: 1776
Ion Ratio Lower Upper
75 100
77 12.1 25.5 38.3#

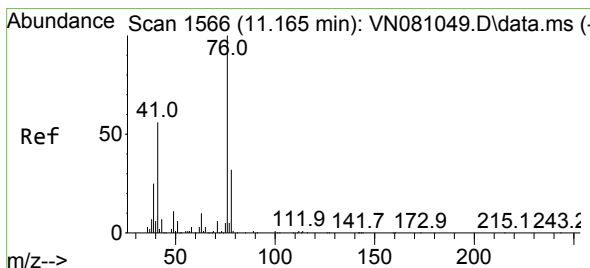
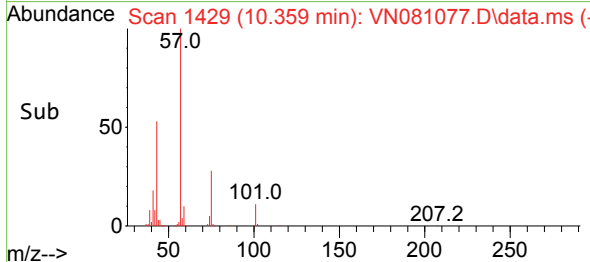
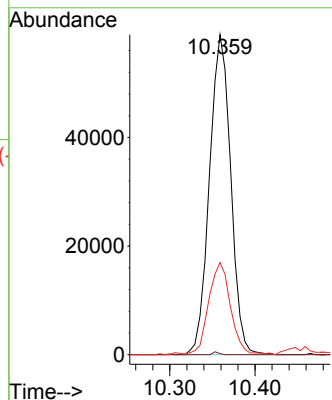
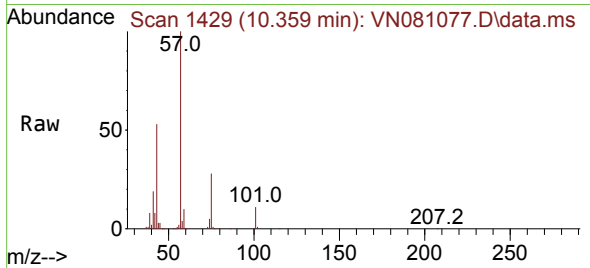




#54
cis-1,3-Dichloropropene
Concen: 11.456 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN081077.D
Acq: 19 Feb 2024 15:42

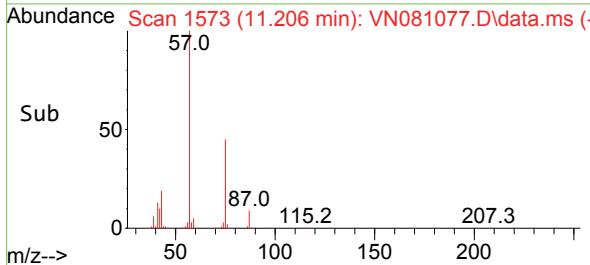
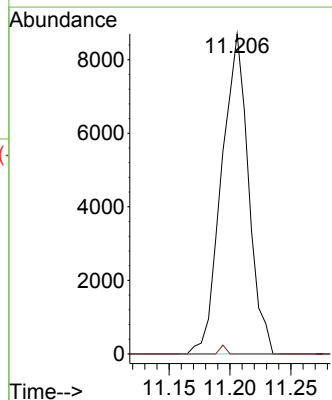
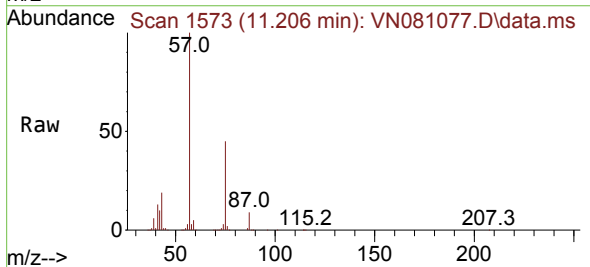
Instrument :
MSVOA_N
ClientSampleId :
PB159057ZHE#05

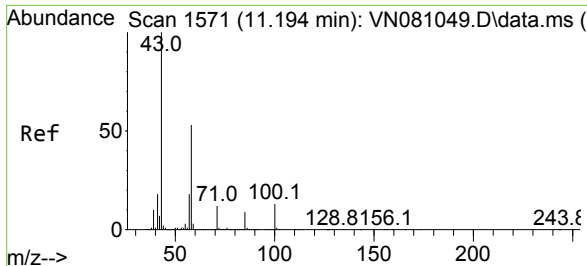
Tgt Ion: 75 Resp: 102153
Ion Ratio Lower Upper
75 100
77 0.3 23.3 34.9#
39 27.9 44.6 66.8#



#57
1,3-Dichloropropane
Concen: 1.476 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN081077.D
Acq: 19 Feb 2024 15:42

Tgt Ion: 76 Resp: 13368
Ion Ratio Lower Upper
76 100
78 0.6 25.5 38.3#

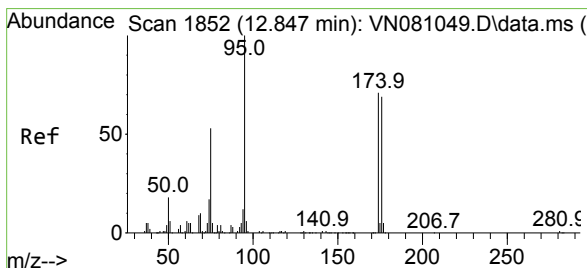
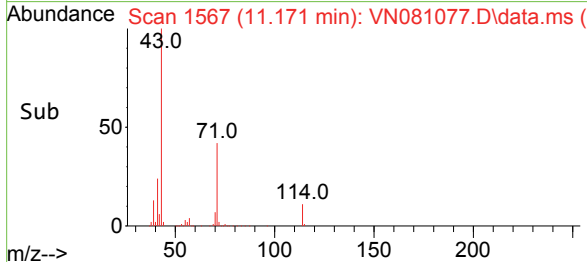
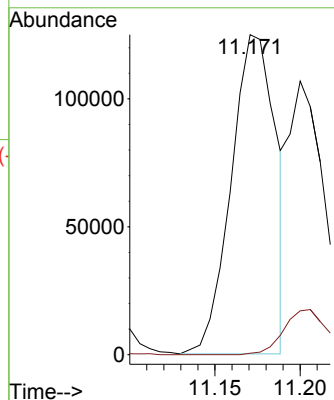
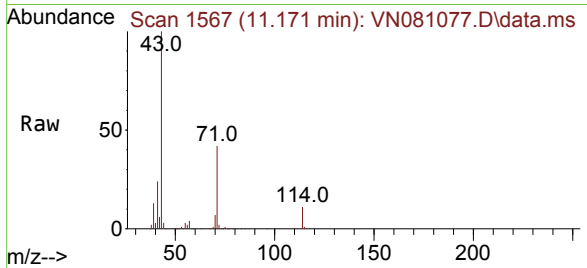




#59
2-Hexanone
Concen: 42.396 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.024 min
Lab File: VN081077.D
Acq: 19 Feb 2024 15:42

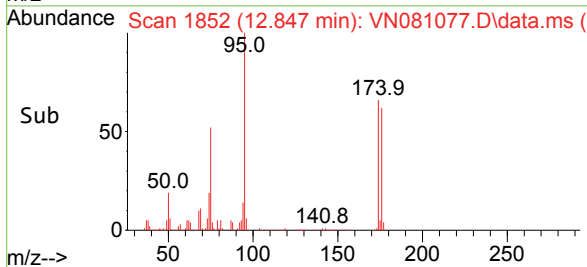
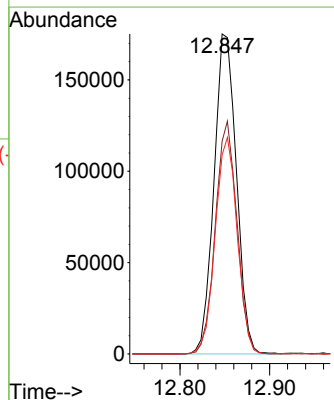
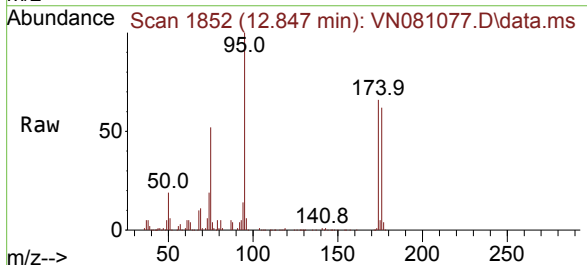
Instrument :
MSVOA_N
ClientSampleId :
PB159057ZHE#05

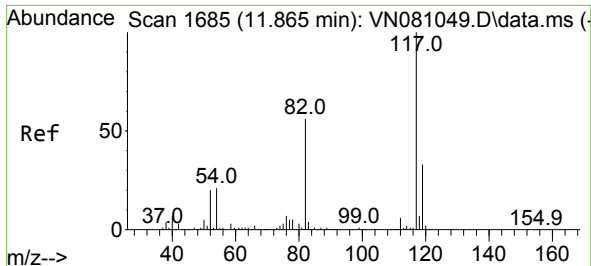
Tgt Ion: 43 Resp: 226853
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 52.475 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN081077.D
Acq: 19 Feb 2024 15:42

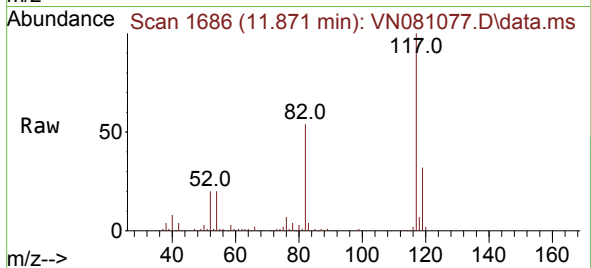
Tgt Ion: 95 Resp: 303846
Ion Ratio Lower Upper
95 100
174 70.1 0.0 120.4
176 66.5 0.0 121.0



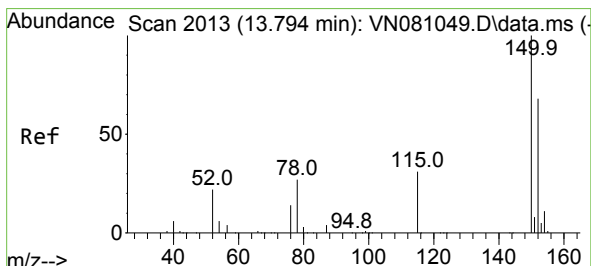
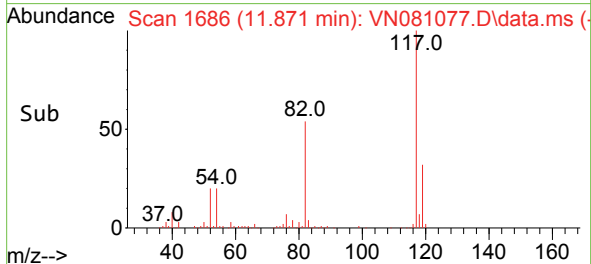
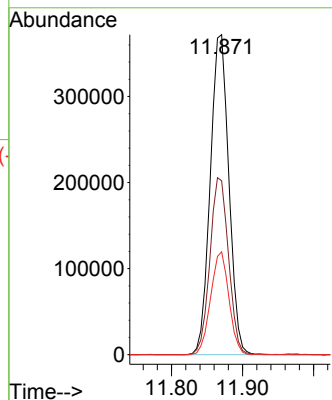


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN081077.D
Acq: 19 Feb 2024 15:42

Instrument :
MSVOA_N
ClientSampleId :
PB159057ZHE#05

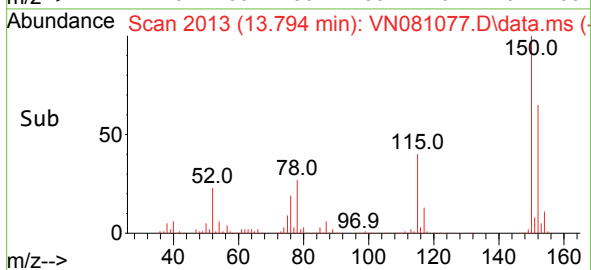
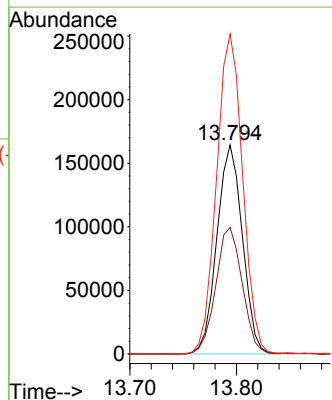
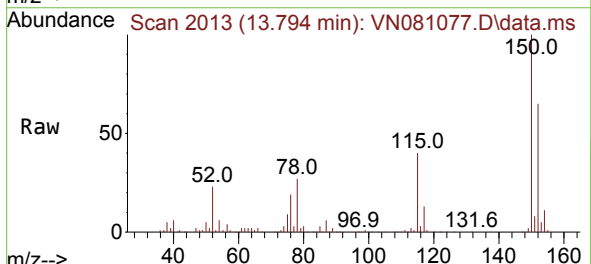


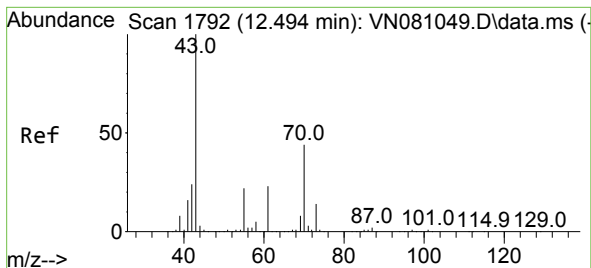
Tgt Ion:117 Resp: 675286
Ion Ratio Lower Upper
117 100
82 54.4 52.7 79.1
119 32.1 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN081077.D
Acq: 19 Feb 2024 15:42

Tgt Ion:152 Resp: 272940
Ion Ratio Lower Upper
152 100
115 62.8 32.3 96.8
150 157.1 0.0 339.8





#74

N-amy1 acetate

Concen: 0.261 ug/l

RT: 12.488 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN081077.D

Acq: 19 Feb 2024 15:42

Instrument :

MSVOA_N

ClientSampleId :

PB159057ZHE#05

Tgt Ion: 43 Resp: 2632

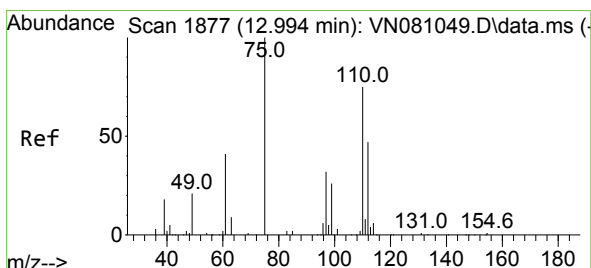
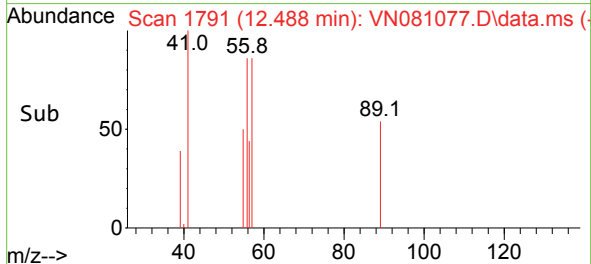
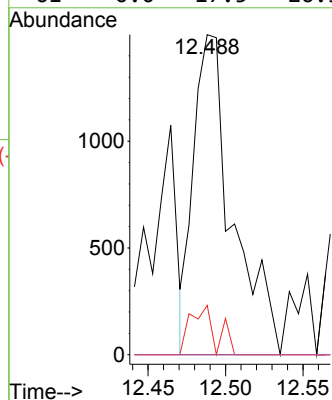
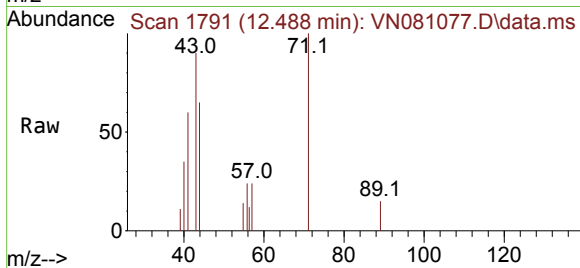
Ion Ratio Lower Upper

43 100

70 0.0 30.1 45.1#

55 10.2 17.0 25.4#

61 0.0 17.5 26.3#



#76

1,2,3-Trichloropropane

Concen: 25.583 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN081077.D

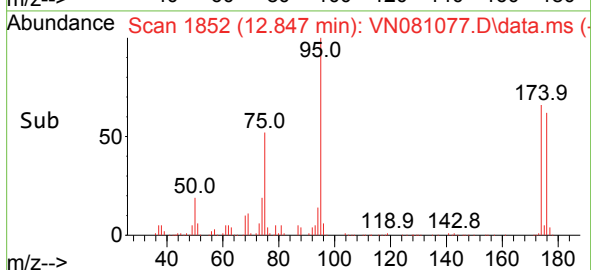
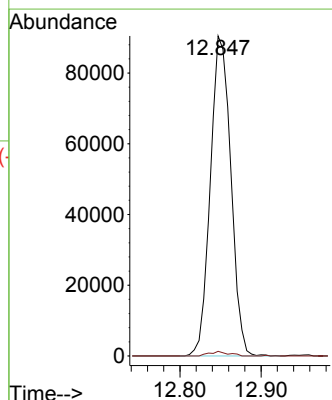
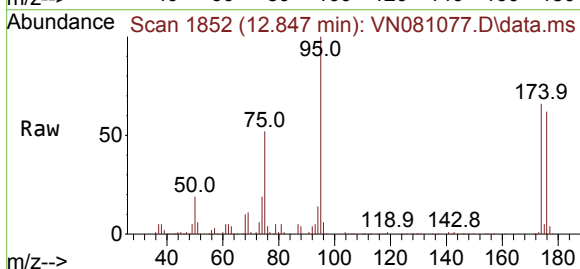
Acq: 19 Feb 2024 15:42

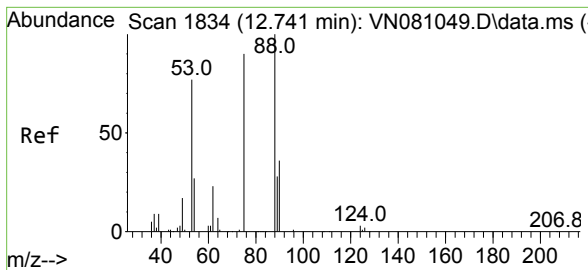
Tgt Ion: 75 Resp: 158652

Ion Ratio Lower Upper

75 100

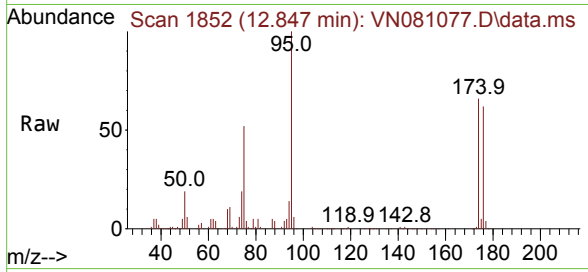
77 1.3 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.849 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN081077.D
 Acq: 19 Feb 2024 15:42

Instrument :
 MSVOA_N
 ClientSampleId :
 PB159057ZHE#05



Tgt Ion: 75 Resp: 158652
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.0 33.4 50.0#

