

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032924\
 Data File : VN081629.D
 Acq On : 29 Mar 2024 20:40
 Operator : JC\MD
 Sample : PB159859ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB159859ZHE#07

Quant Time: Mar 30 00:35:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

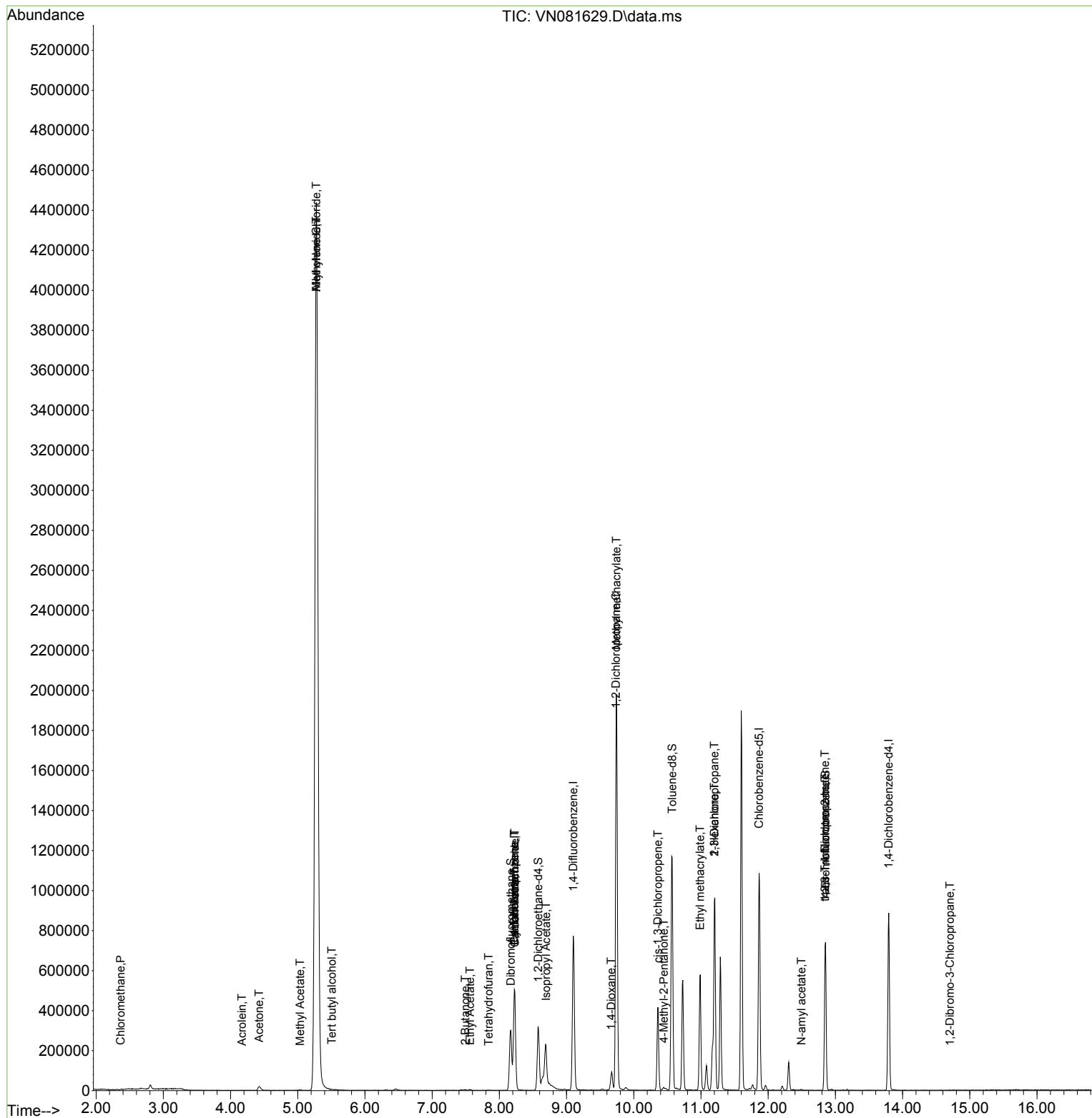
Internal Standards						
1) Pentafluorobenzene	8.224	168	357979	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	684505	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	642118	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	239462	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	250470	54.865	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.740%			
35) Dibromofluoromethane	8.171	113	214963	49.761	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.520%			
50) Toluene-d8	10.571	98	841692	53.899	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.800%			
62) 4-Bromofluorobenzene	12.853	95	259412	47.145	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 94.280%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	1039	0.216	ug/l #	32
11) Tert butyl alcohol	5.506	59	539	0.678	ug/l #	72
13) Acrolein	4.171	56	253	0.354	ug/l #	75
14) Allyl chloride	5.277	41	99256	18.749	ug/l #	24
16) Acetone	4.424	43	34465	23.360	ug/l	99
18) Methyl Acetate	5.036	43	3976	0.874	ug/l	99
20) Methylene Chloride	5.277	84	3779918	782.138	ug/l	85
25) 2-Butanone	7.494	43	5711	2.257	ug/l	93
29) Tetrahydrofuran	7.841	42	845	0.496	ug/l #	76
31) Cyclohexane	8.224	56	8377	1.128	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	31777	4.371	ug/l #	51
37) Ethyl Acetate	7.565	43	5381	0.864	ug/l	95
38) Carbon Tetrachloride	8.230	117	41378	5.196	ug/l #	19
43) Isopropyl Acetate	8.694	43	324656	31.462	ug/l #	81
45) 1,2-Dichloropropane	9.735	63	2949	0.573	ug/l #	42
48) Methyl methacrylate	9.741	41	176380	37.058	ug/l #	48
49) 1,4-Dioxane	9.665	88	126	1.102	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	7878	1.251	ug/l	93
54) cis-1,3-Dichloropropene	10.359	75	75164	8.489	ug/l #	61
56) Ethyl methacrylate	10.988	69	2935	0.969	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	11427	1.282	ug/l #	44
59) 2-Hexanone	11.200	43	117550	25.251	ug/l #	61
74) N-amyl acetate	12.494	43	2488	0.337	ug/l #	52
76) 1,2,3-Trichloropropane	12.847	75	135328	23.626	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	135328	63.844	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	14.706	75	474	0.371	ug/l #	13

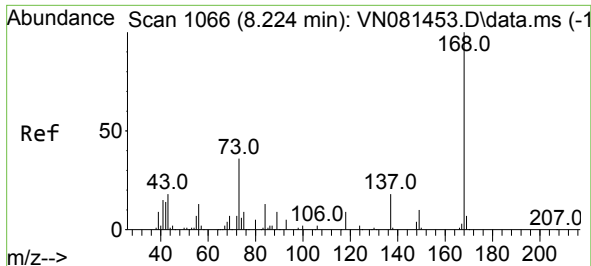
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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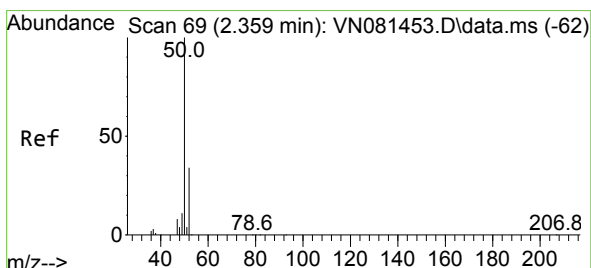
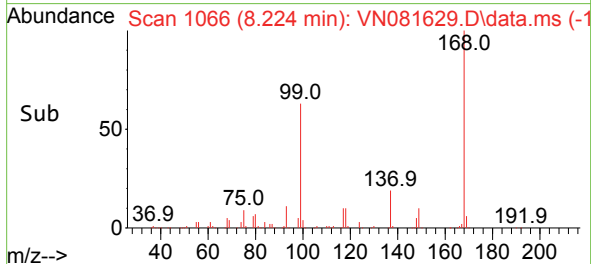
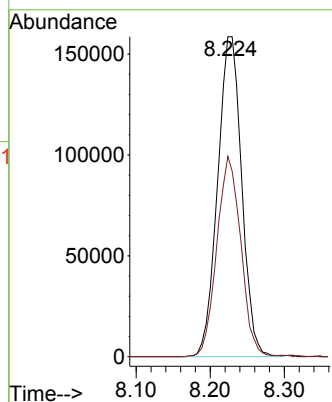
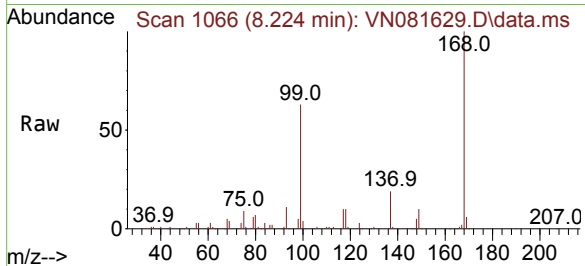




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081629.D
Acq: 29 Mar 2024 20:40

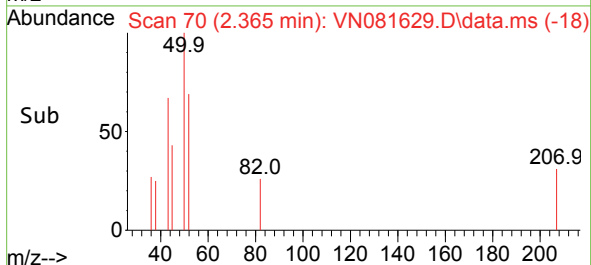
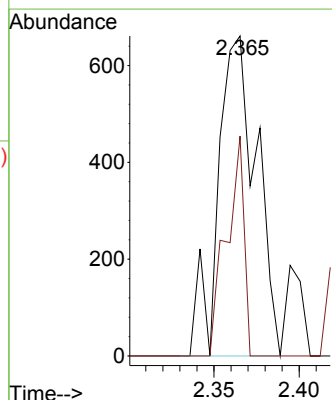
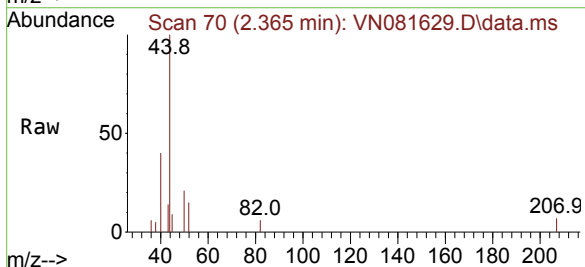
Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#07

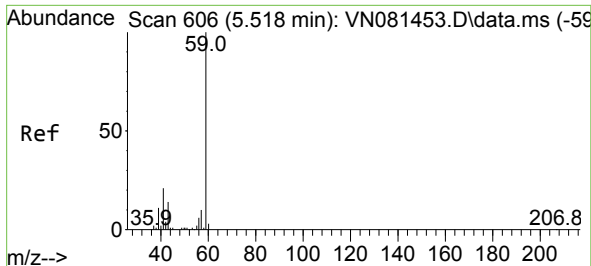
Tgt Ion:168 Resp: 357979
Ion Ratio Lower Upper
168 100
99 62.6 59.9 89.9



#3
Chloromethane
Concen: 0.216 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN081629.D
Acq: 29 Mar 2024 20:40

Tgt Ion: 50 Resp: 1039
Ion Ratio Lower Upper
50 100
52 68.7 25.0 37.4#

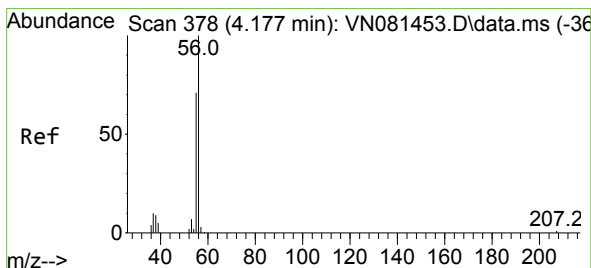
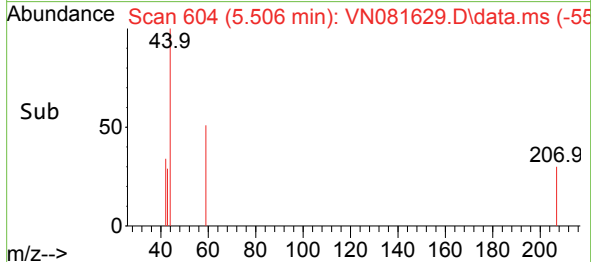
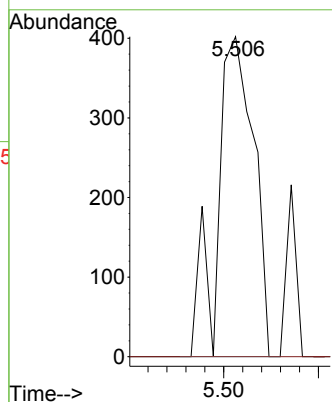
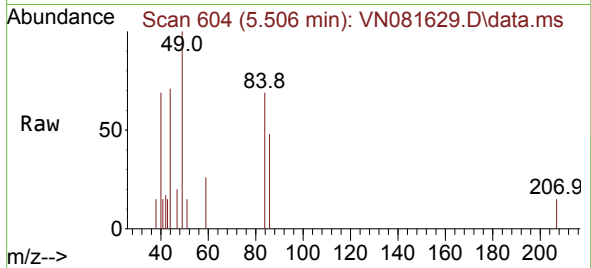




#11
Tert butyl alcohol
Concen: 0.678 ug/l
RT: 5.506 min Scan# 606
Delta R.T. -0.012 min
Lab File: VN081629.D
Acq: 29 Mar 2024 20:40

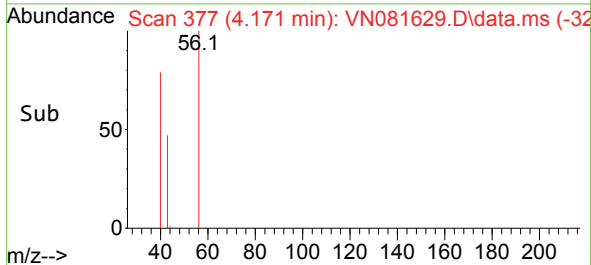
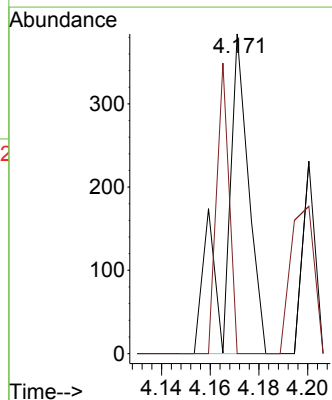
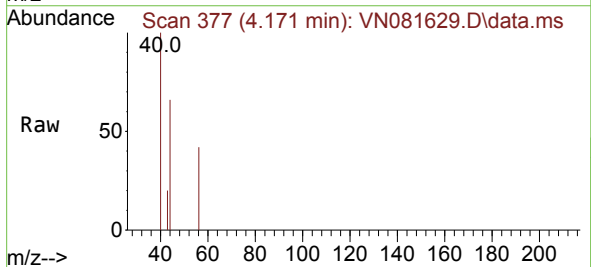
Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#07

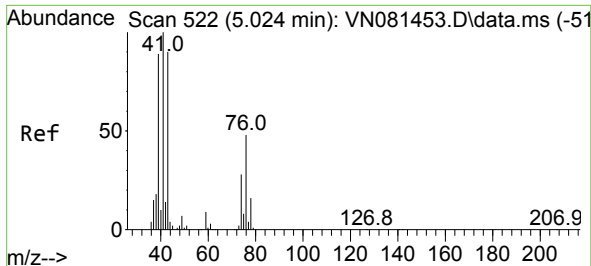
Tgt Ion: 59 Resp: 539
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 0.354 ug/l
RT: 4.171 min Scan# 377
Delta R.T. -0.006 min
Lab File: VN081629.D
Acq: 29 Mar 2024 20:40

Tgt Ion: 56 Resp: 253
Ion Ratio Lower Upper
56 100
55 48.6 55.3 82.9#

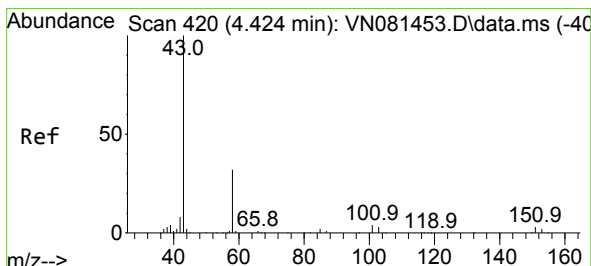
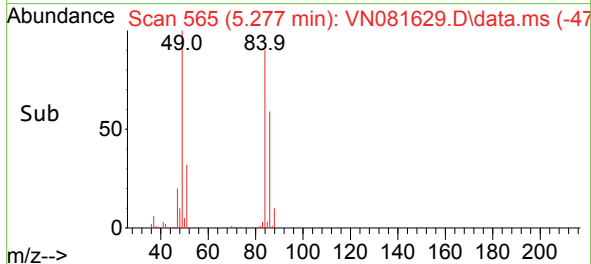
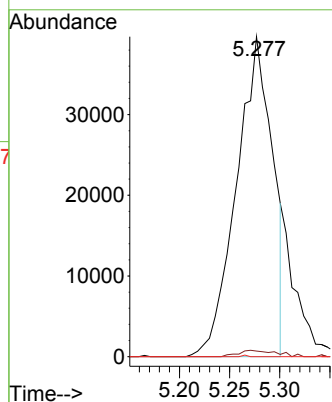
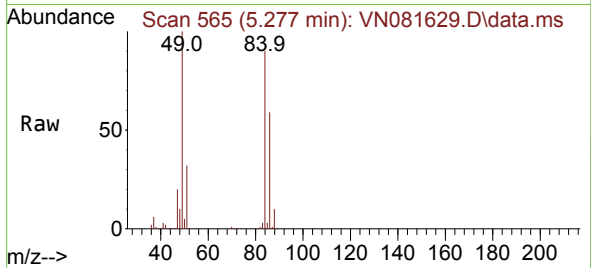




#14
 Allyl chloride
 Concen: 18.749 ug/l
 RT: 5.277 min Scan# 51
 Delta R.T. 0.253 min
 Lab File: VN081629.D
 Acq: 29 Mar 2024 20:40

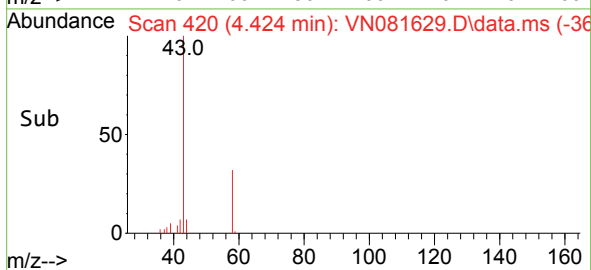
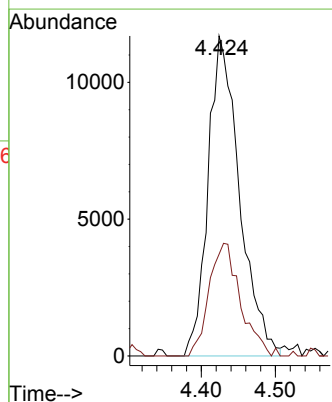
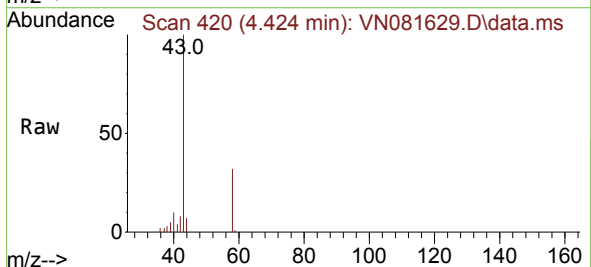
Instrument :
 MSVOA_N
 ClientSampleId :
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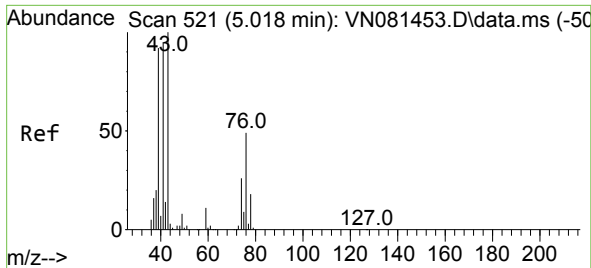
Tgt Ion: 41 Resp: 99256
 Ion Ratio Lower Upper
 41 100
 39 1.8 57.7 86.5#
 76 0.1 26.8 40.2#



#16
 Acetone
 Concen: 23.360 ug/l
 RT: 4.424 min Scan# 420
 Delta R.T. 0.000 min
 Lab File: VN081629.D
 Acq: 29 Mar 2024 20:40

Tgt Ion: 43 Resp: 34465
 Ion Ratio Lower Upper
 43 100
 58 31.8 24.8 37.2





#18

Methyl Acetate

Concen: 0.874 ug/l

RT: 5.036 min Scan# 51

Delta R.T. 0.018 min

Lab File: VN081629.D

Acq: 29 Mar 2024 20:40

Instrument :

MSVOA_N

ClientSampleId :

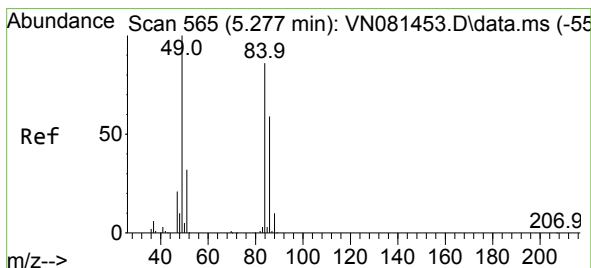
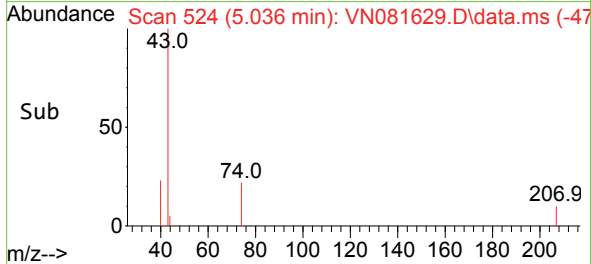
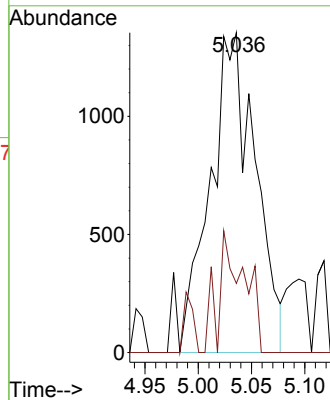
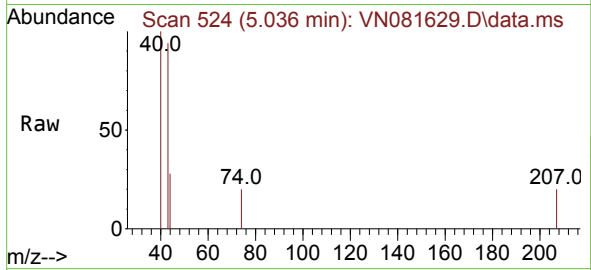
PB159859ZHE#07

Tgt Ion: 43 Resp: 3976

Ion Ratio Lower Upper

43 100

74 22.2 17.3 25.9



#20

Methylene Chloride

Concen: 782.138 ug/l

RT: 5.277 min Scan# 565

Delta R.T. 0.000 min

Lab File: VN081629.D

Acq: 29 Mar 2024 20:40

Tgt Ion: 84 Resp: 3779918

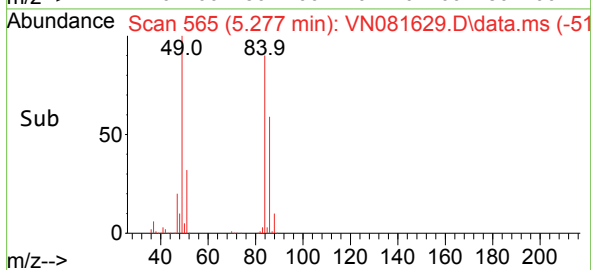
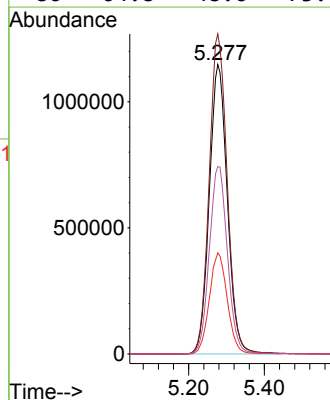
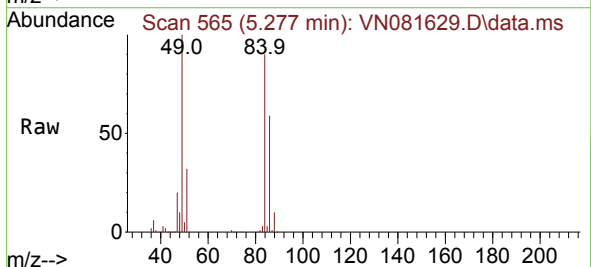
Ion Ratio Lower Upper

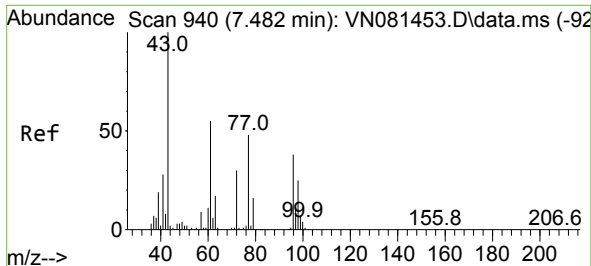
84 100

49 110.6 108.1 162.1

51 35.0 32.9 49.3

86 64.8 48.6 73.0

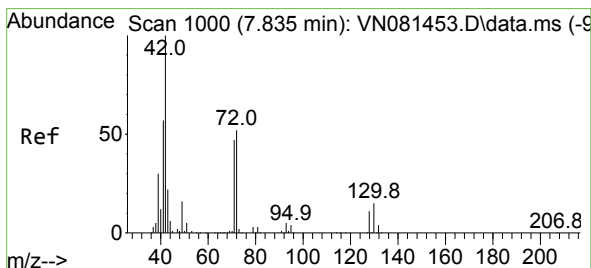
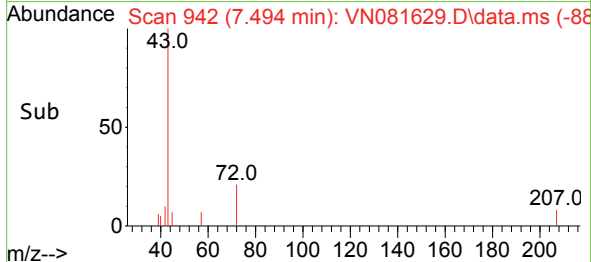
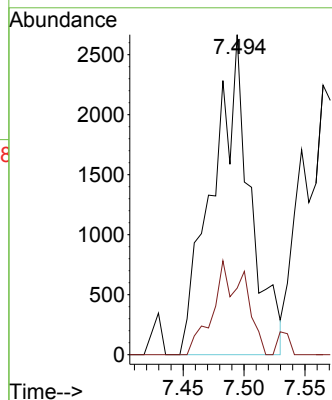
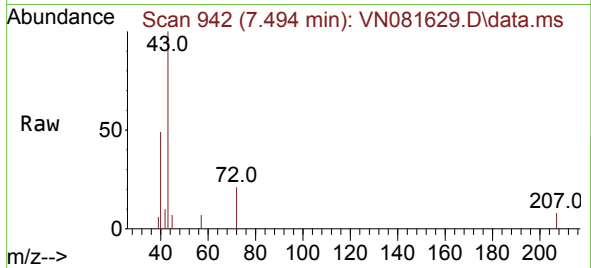




#25
2-Butanone
Concen: 2.257 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN081629.D
Acq: 29 Mar 2024 20:40

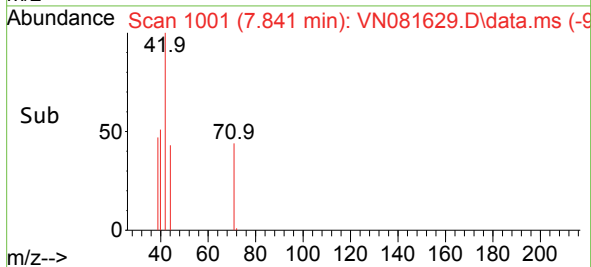
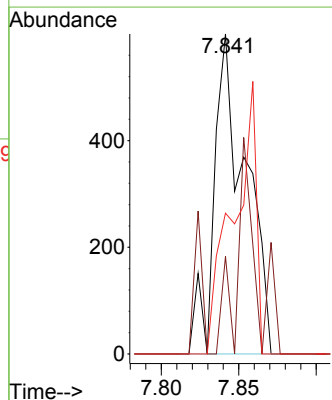
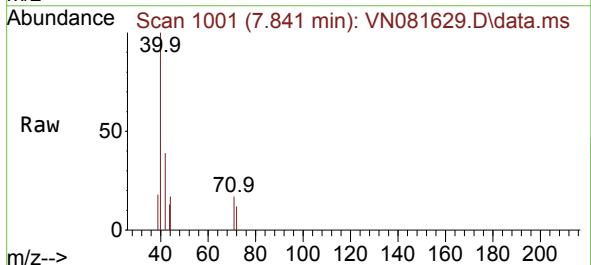
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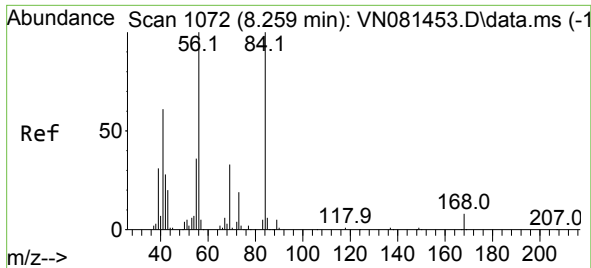
Tgt Ion: 43 Resp: 5711
Ion Ratio Lower Upper
43 100
72 20.8 19.5 29.3



#29
Tetrahydrofuran
Concen: 0.496 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VN081629.D
Acq: 29 Mar 2024 20:40

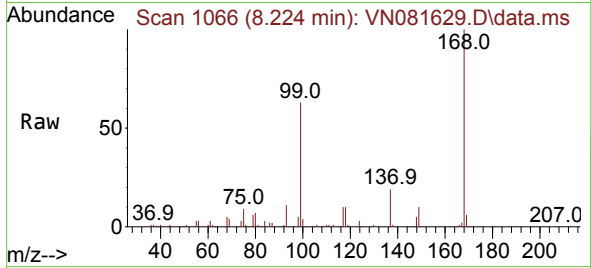
Tgt Ion: 42 Resp: 845
Ion Ratio Lower Upper
42 100
72 41.9 31.1 46.7
71 61.9 28.3 42.5#



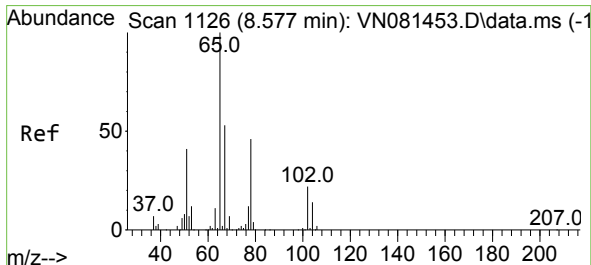
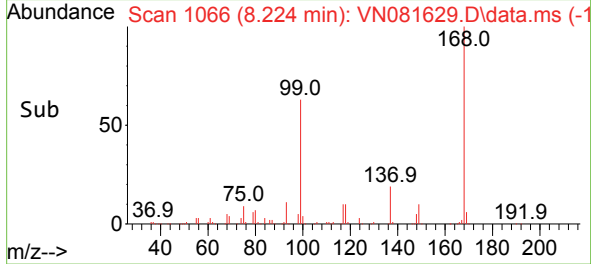
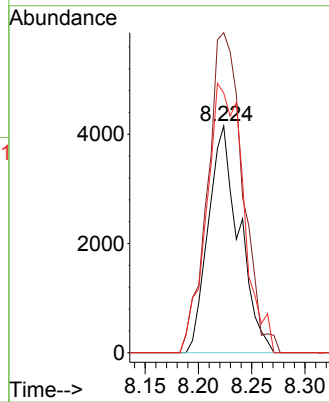


#31
Cyclohexane
Concen: 1.128 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081629.D
Acq: 29 Mar 2024 20:40

Instrument :
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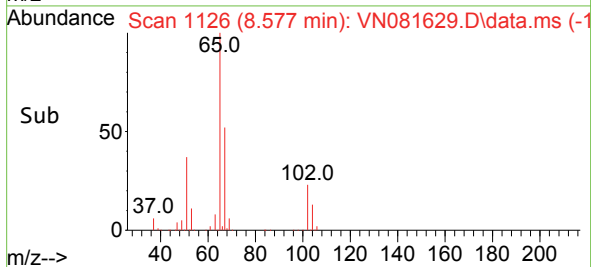
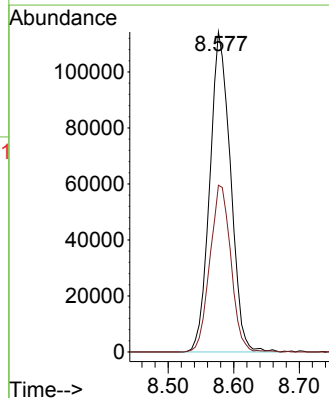
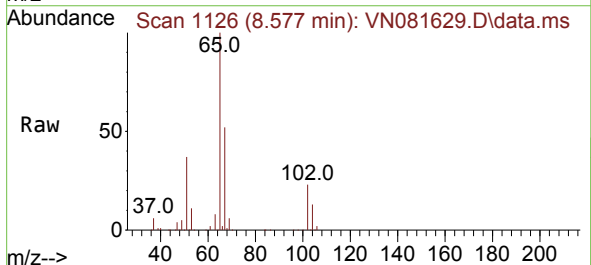


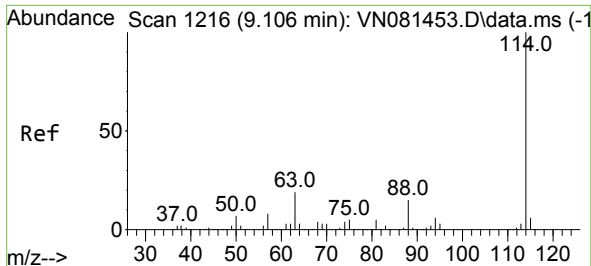
Tgt Ion: 56 Resp: 8377
Ion Ratio Lower Upper
56 100
69 141.1 20.1 30.1#
84 114.5 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 54.865 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN081629.D
Acq: 29 Mar 2024 20:40

Tgt Ion: 65 Resp: 250470
Ion Ratio Lower Upper
65 100
67 52.8 0.0 102.4

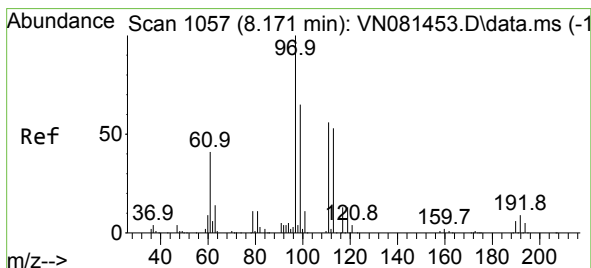
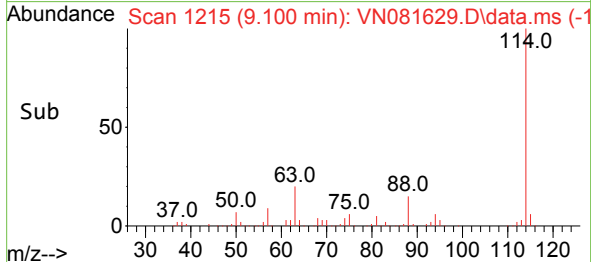
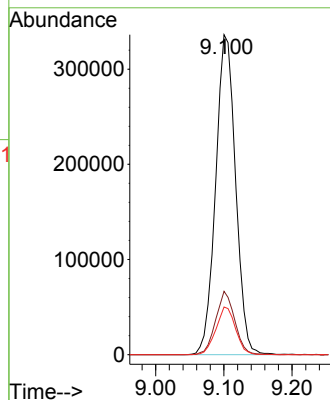
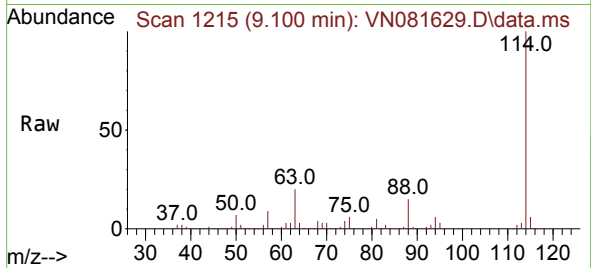




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN081629.D
Acq: 29 Mar 2024 20:40

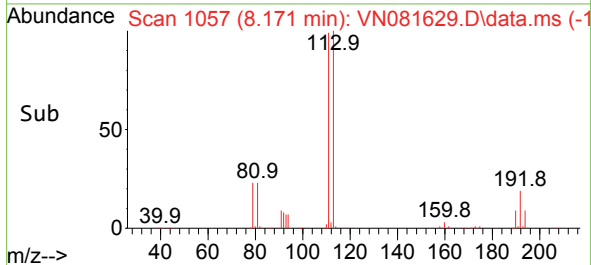
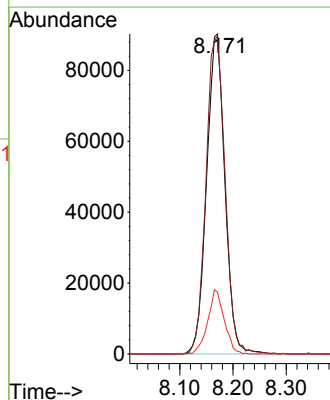
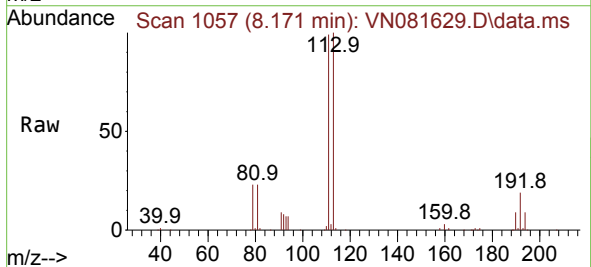
Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#07

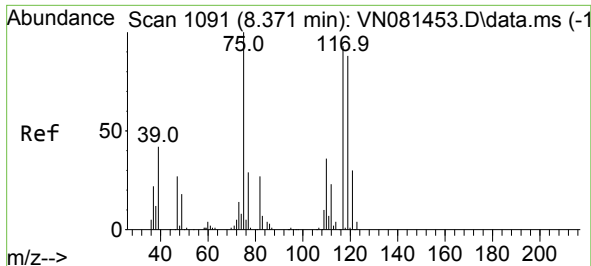
Tgt Ion:114 Resp: 684505
Ion Ratio Lower Upper
114 100
63 19.8 0.0 48.0
88 14.9 0.0 34.8



#35
Dibromofluoromethane
Concen: 49.761 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN081629.D
Acq: 29 Mar 2024 20:40

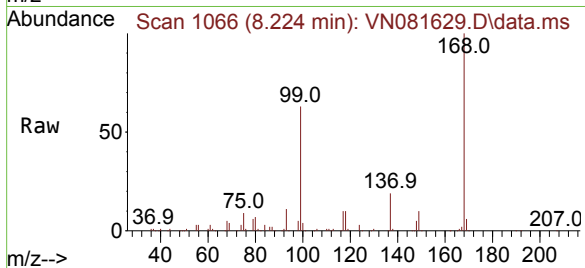
Tgt Ion:113 Resp: 214963
Ion Ratio Lower Upper
113 100
111 103.6 82.2 123.4
192 18.2 12.5 18.7



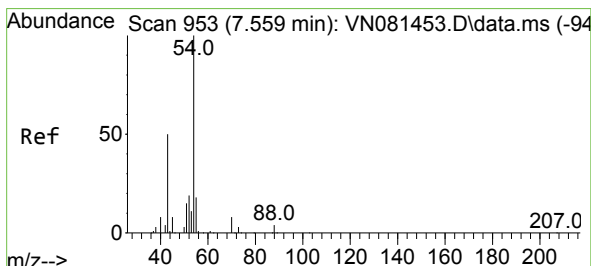
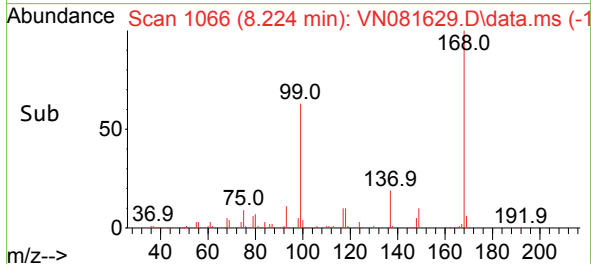
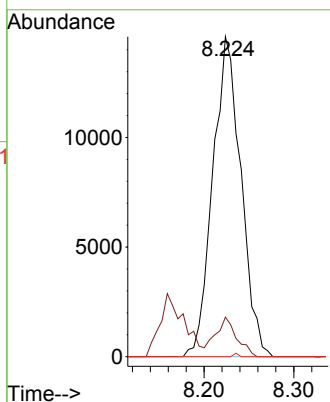


#36
1,1-Dichloropropene
Concen: 4.371 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081629.D
Acq: 29 Mar 2024 20:40

Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#07

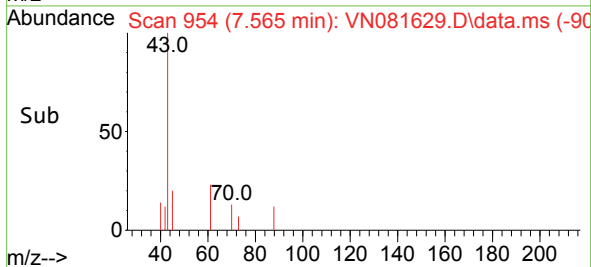
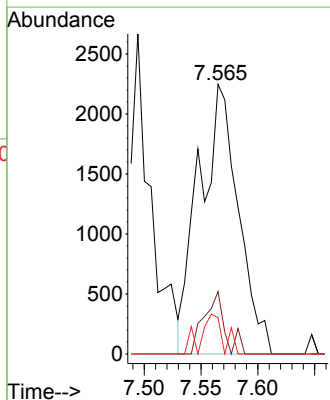
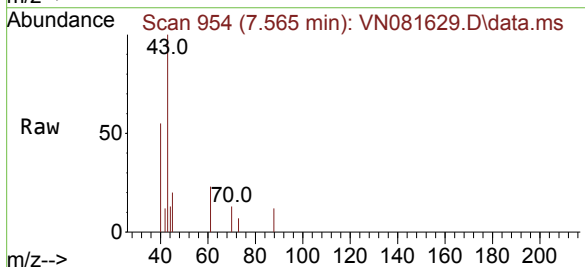


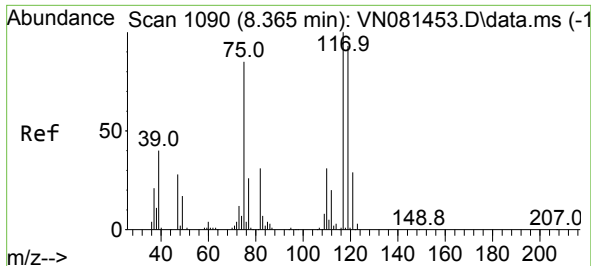
Tgt Ion: 75 Resp: 31777
Ion Ratio Lower Upper
75 100
110 9.3 16.0 48.0#
77 0.2 25.8 38.6#



#37
Ethyl Acetate
Concen: 0.864 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.006 min
Lab File: VN081629.D
Acq: 29 Mar 2024 20:40

Tgt Ion: 43 Resp: 5381
Ion Ratio Lower Upper
43 100
61 10.8 10.6 15.8
70 8.6 8.0 12.0

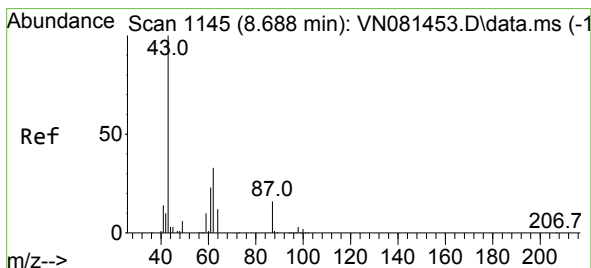
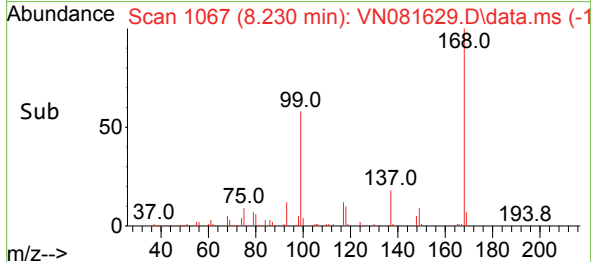
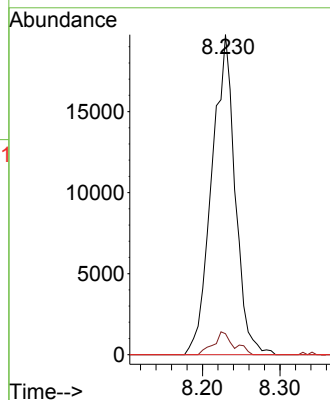
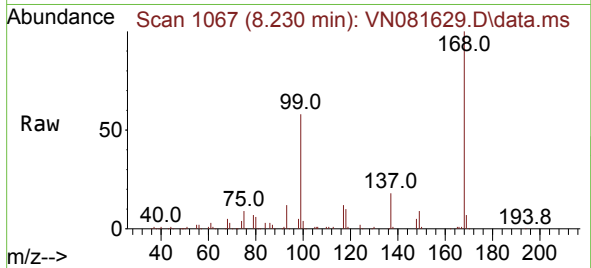




#38
Carbon Tetrachloride
Concen: 5.196 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN081629.D
Acq: 29 Mar 2024 20:40

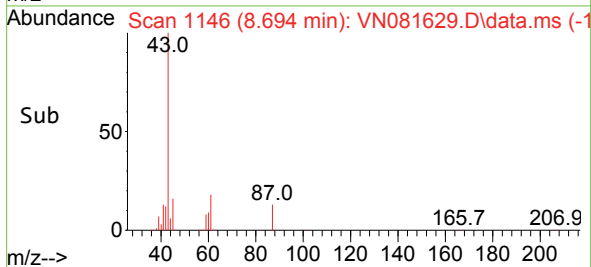
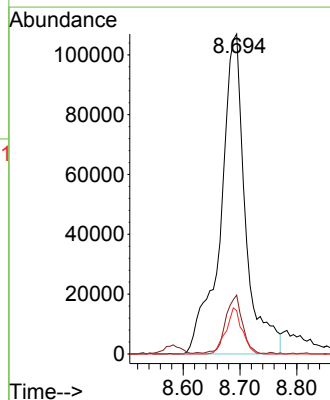
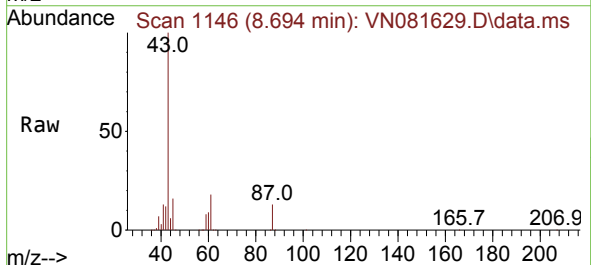
Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#07

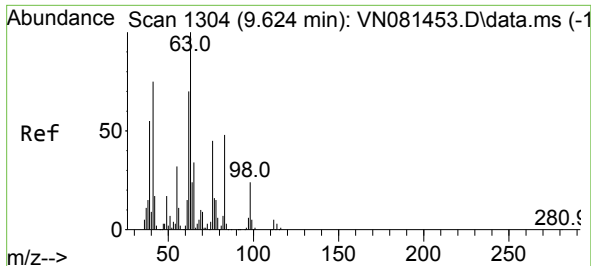
Tgt Ion:117 Resp: 41378
Ion Ratio Lower Upper
117 100
119 6.5 73.4 110.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 31.462 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN081629.D
Acq: 29 Mar 2024 20:40

Tgt Ion: 43 Resp: 324656
Ion Ratio Lower Upper
43 100
61 12.4 19.9 29.9#
87 9.4 9.0 13.6





#45

1,2-Dichloropropane

Concen: 0.573 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.112 min

Lab File: VN081629.D

Acq: 29 Mar 2024 20:40

Instrument :

MSVOA_N

ClientSampleId :

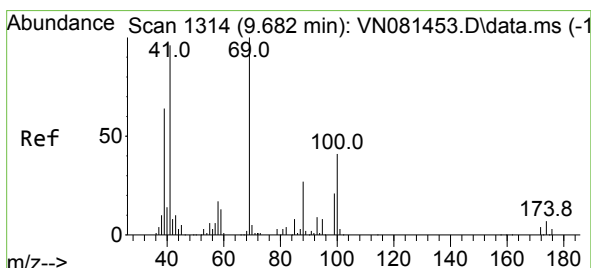
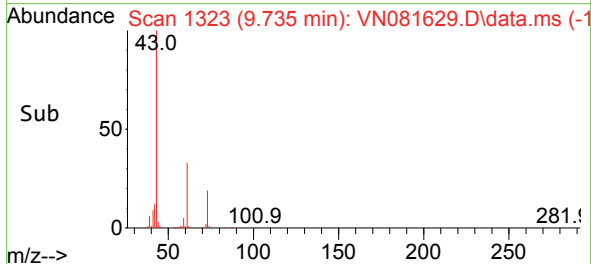
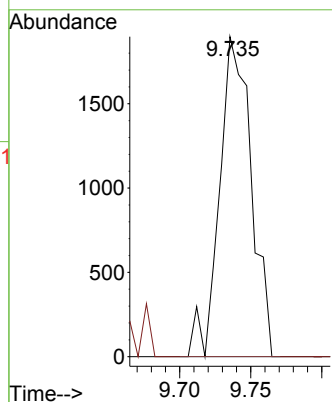
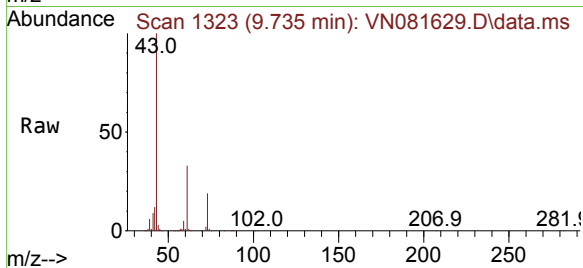
PB159859ZHE#07

Tgt Ion: 63 Resp: 2949

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 37.058 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.059 min

Lab File: VN081629.D

Acq: 29 Mar 2024 20:40

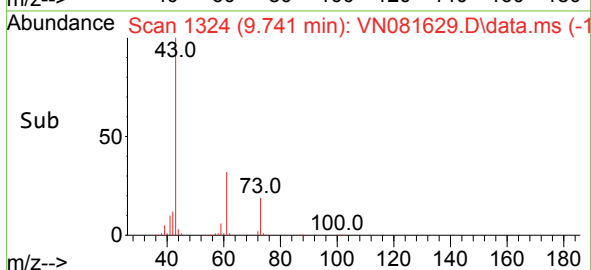
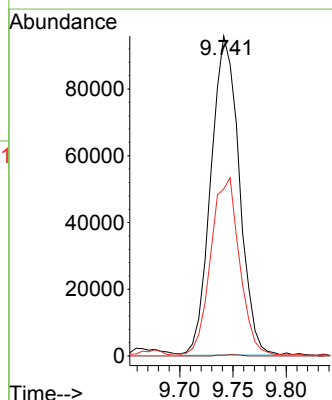
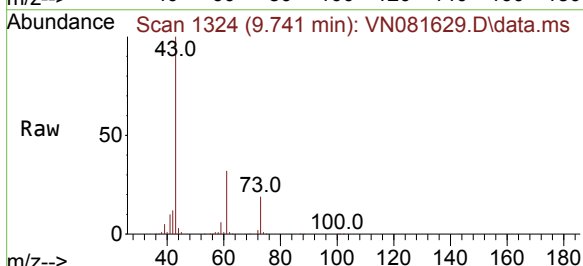
Tgt Ion: 41 Resp: 176380

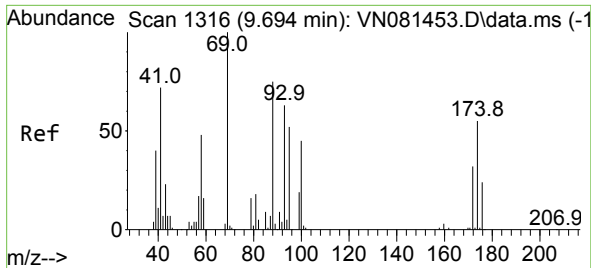
Ion Ratio Lower Upper

41 100

69 0.3 62.2 93.2#

39 56.3 47.6 71.4





#49

1,4-Dioxane

Concen: 1.102 ug/l

RT: 9.665 min Scan# 11

Delta R.T. -0.029 min

Lab File: VN081629.D

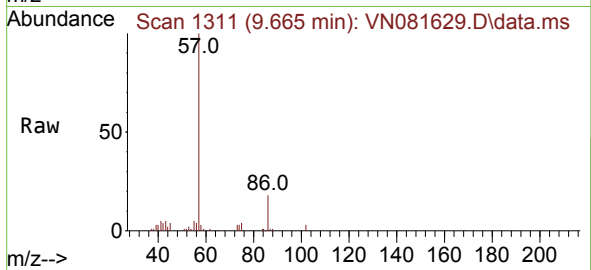
Acq: 29 Mar 2024 20:40

Instrument :

MSVOA_N

ClientSampleId :

PB159859ZHE#07



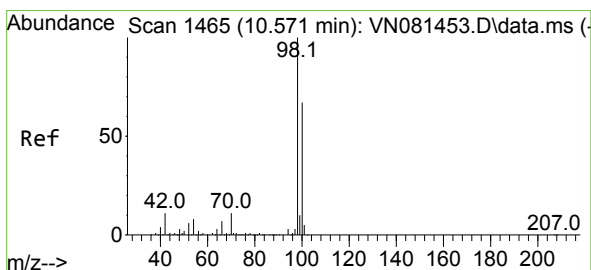
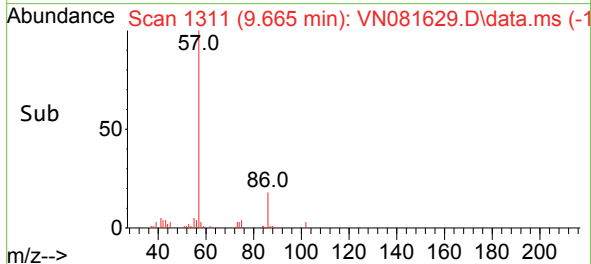
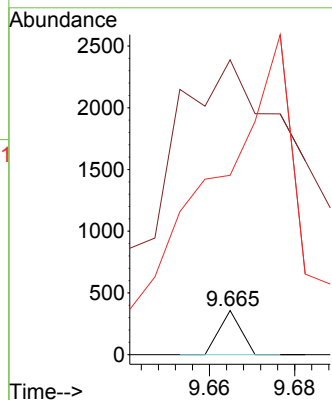
Tgt Ion: 88 Resp: 126

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 3171.4 63.9 95.9#



#50

Toluene-d8

Concen: 53.899 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN081629.D

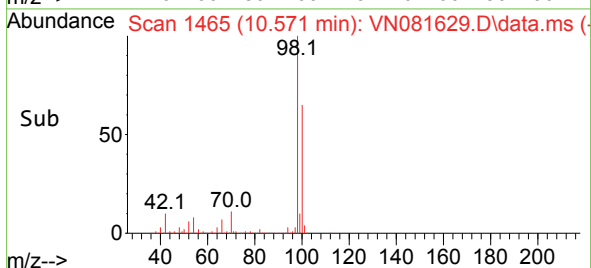
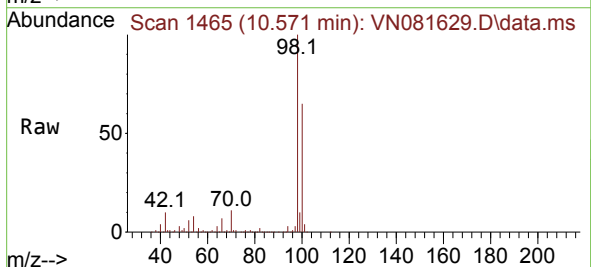
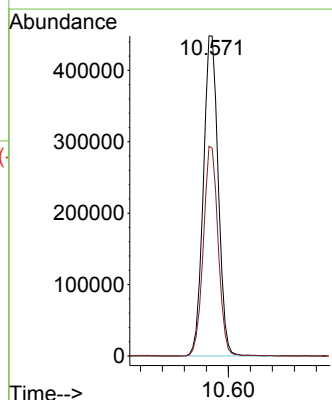
Acq: 29 Mar 2024 20:40

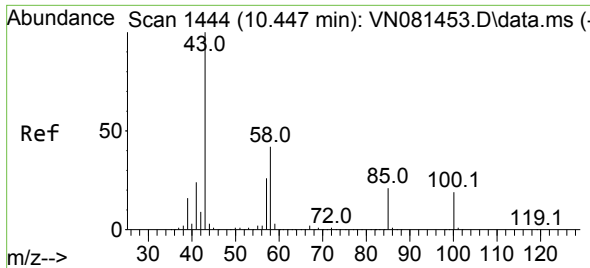
Tgt Ion: 98 Resp: 841692

Ion Ratio Lower Upper

98 100

100 64.8 51.4 77.0

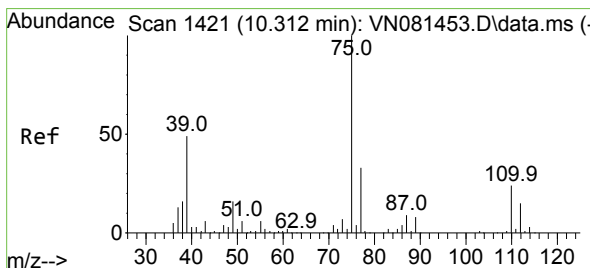
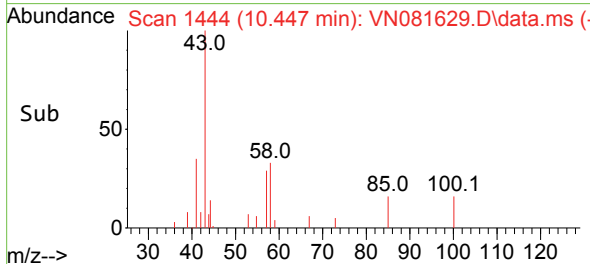
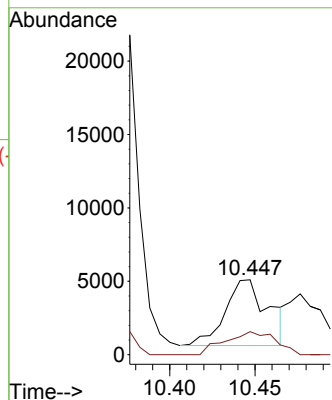
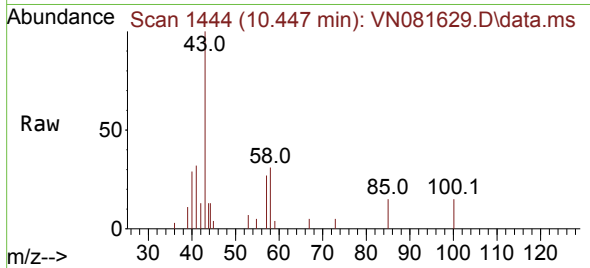




#51
4-Methyl-2-Pentanone
Concen: 1.251 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN081629.D
Acq: 29 Mar 2024 20:40

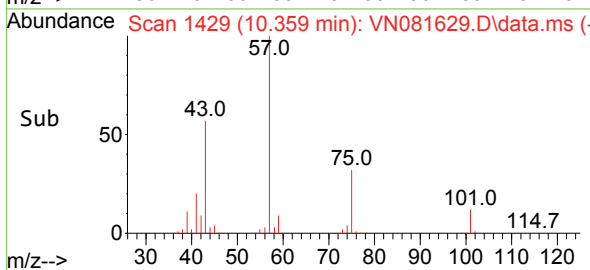
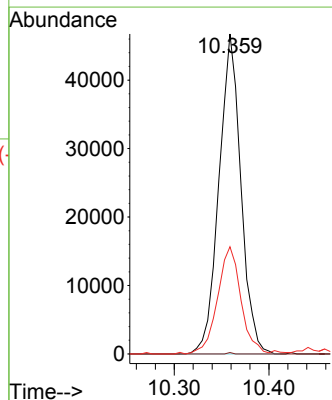
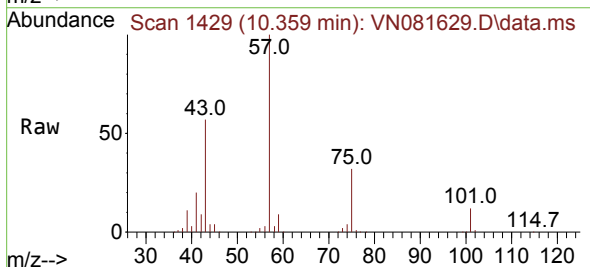
Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#07

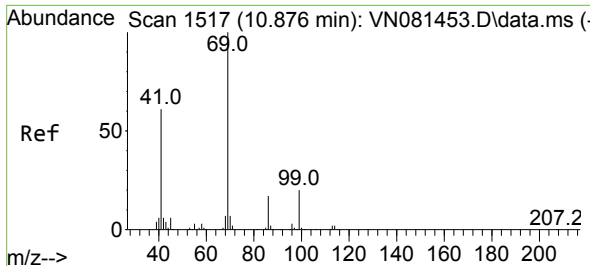
Tgt Ion: 43 Resp: 7878
Ion Ratio Lower Upper
43 100
58 41.1 29.4 44.0



#54
cis-1,3-Dichloropropene
Concen: 8.489 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN081629.D
Acq: 29 Mar 2024 20:40

Tgt Ion: 75 Resp: 75164
Ion Ratio Lower Upper
75 100
77 0.4 23.3 34.9#
39 33.0 44.6 66.8#

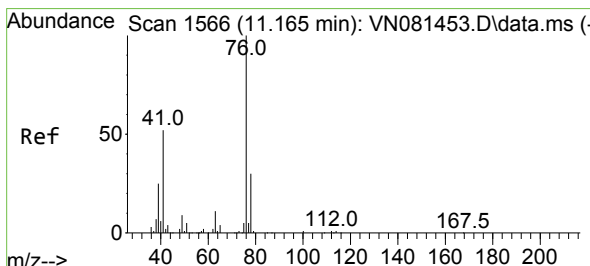
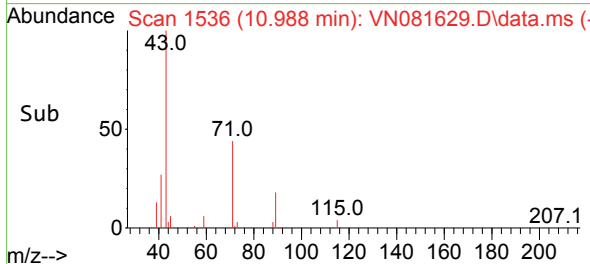
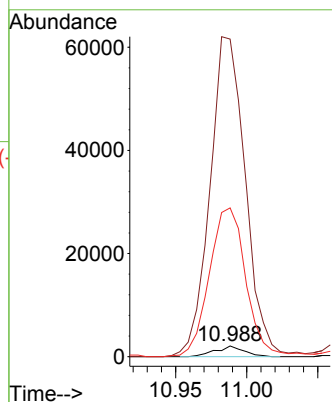
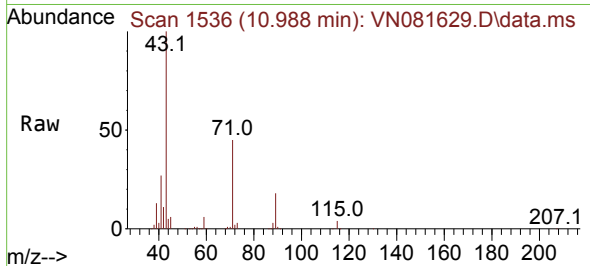




#56
Ethyl methacrylate
Concen: 0.969 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN081629.D
Acq: 29 Mar 2024 20:40

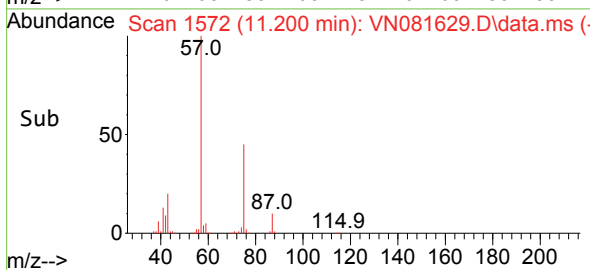
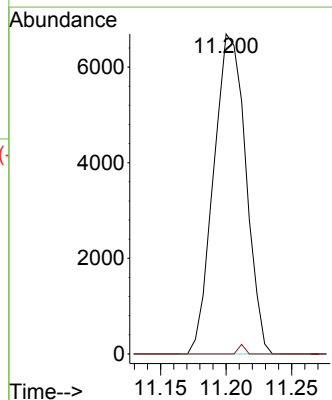
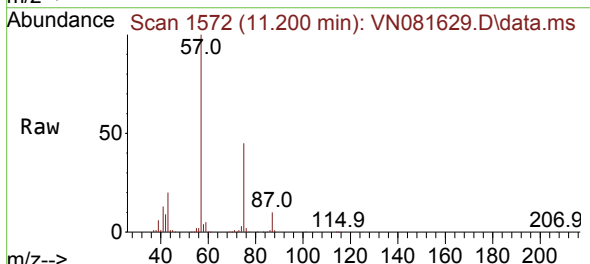
Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#07

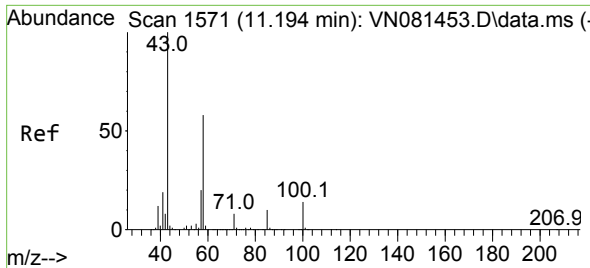
Tgt Ion: 69 Resp: 2935
Ion Ratio Lower Upper
69 100
41 3677.9 61.0 91.6#
39 1772.2 31.8 47.6#



#57
1,3-Dichloropropane
Concen: 1.282 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN081629.D
Acq: 29 Mar 2024 20:40

Tgt Ion: 76 Resp: 11427
Ion Ratio Lower Upper
76 100
78 0.6 25.5 38.3#

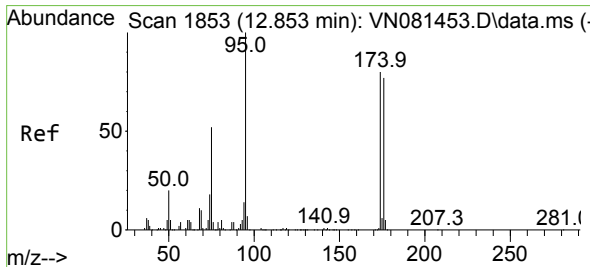
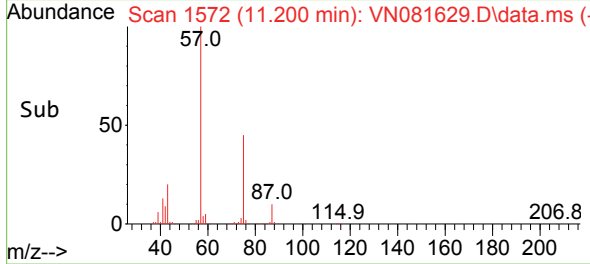
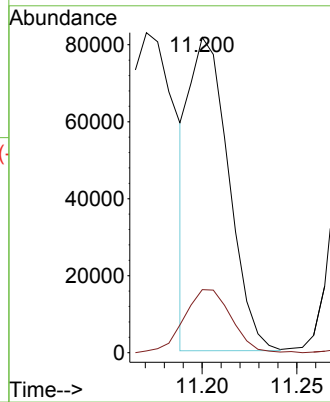
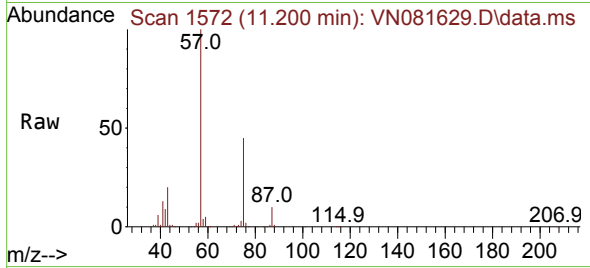




#59
2-Hexanone
Concen: 25.251 ug/l
RT: 11.200 min Scan# 117550
Delta R.T. 0.006 min
Lab File: VN081629.D
Acq: 29 Mar 2024 20:40

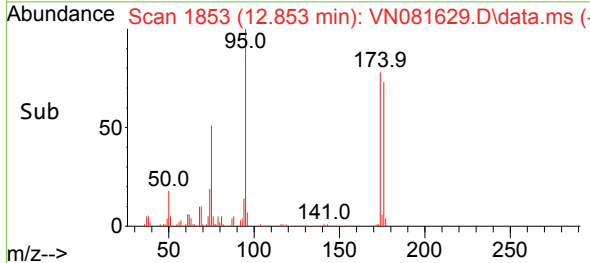
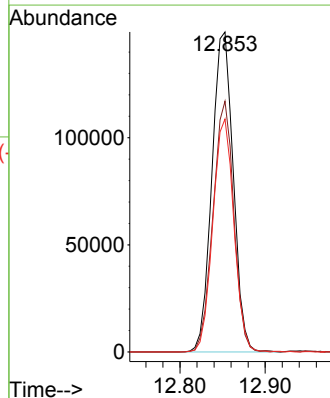
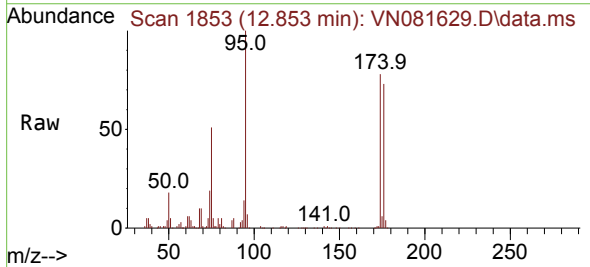
Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#07

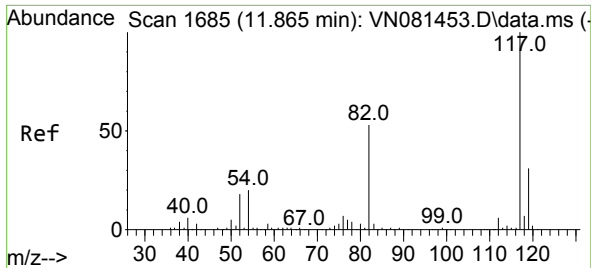
Tgt Ion: 43 Resp: 117550
Ion Ratio Lower Upper
43 100
58 24.2 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 47.145 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN081629.D
Acq: 29 Mar 2024 20:40

Tgt Ion: 95 Resp: 259412
Ion Ratio Lower Upper
95 100
174 76.8 0.0 120.4
176 72.0 0.0 121.0

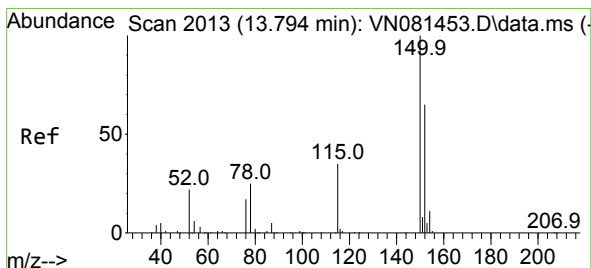
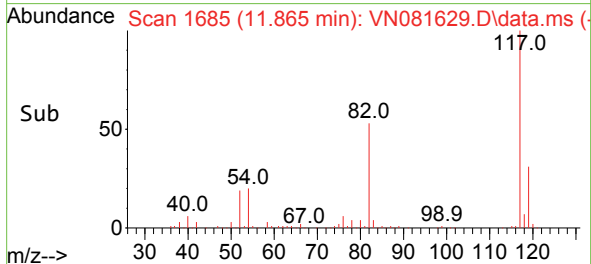
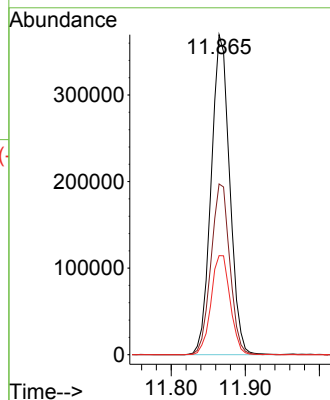
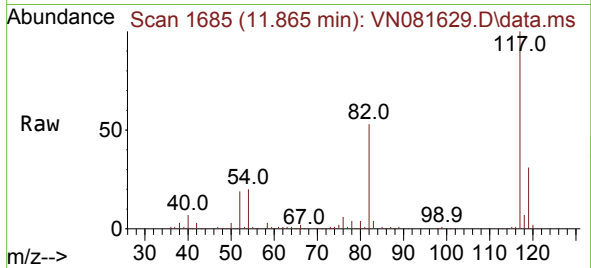




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN081629.D
Acq: 29 Mar 2024 20:40

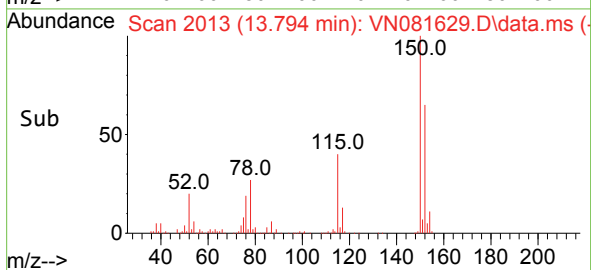
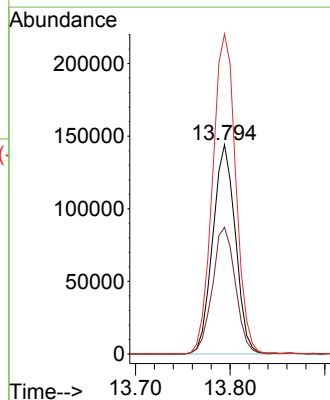
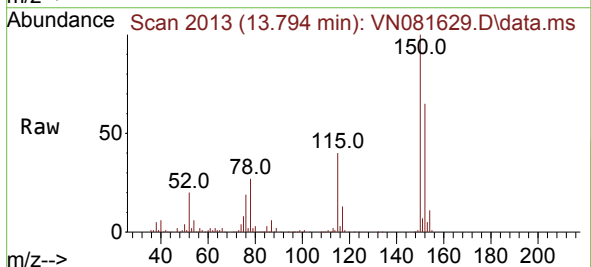
Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#07

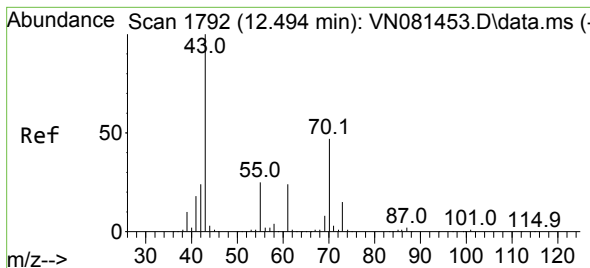
Tgt Ion:117 Resp: 642118
Ion Ratio Lower Upper
117 100
82 53.3 52.7 79.1
119 30.9 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081629.D
Acq: 29 Mar 2024 20:40

Tgt Ion:152 Resp: 239462
Ion Ratio Lower Upper
152 100
115 61.6 32.3 96.8
150 157.3 0.0 339.8





#74

N-amy1 acetate

Concen: 0.337 ug/l

RT: 12.494 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN081629.D

Acq: 29 Mar 2024 20:40

Instrument :

MSVOA_N

ClientSampleId :

PB159859ZHE#07

Tgt Ion: 43 Resp: 2488

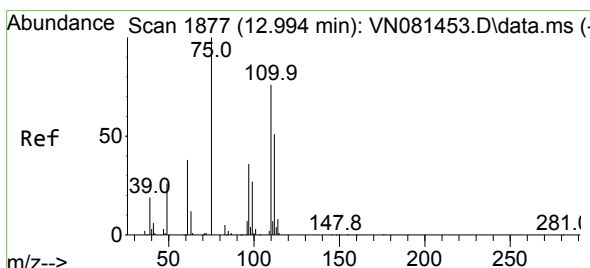
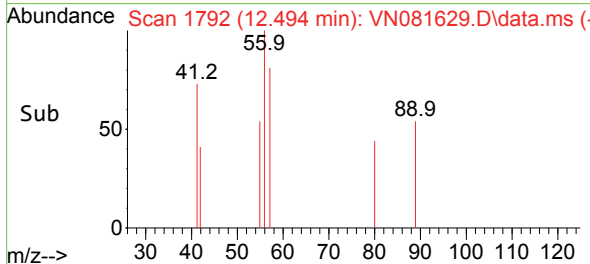
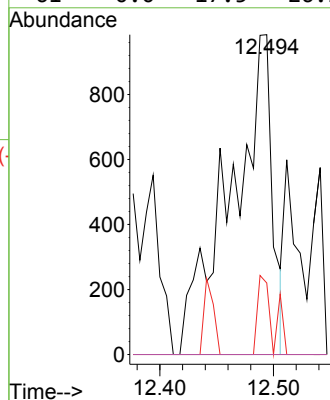
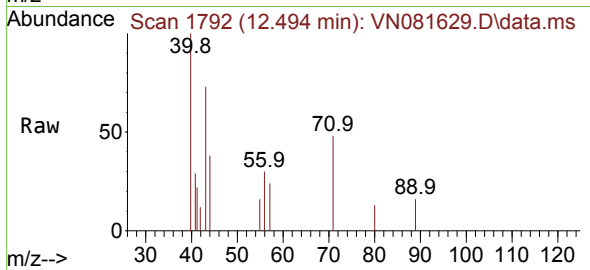
Ion Ratio Lower Upper

43 100

70 0.0 30.1 45.1#

55 9.2 17.0 25.4#

61 0.0 17.5 26.3#



#76

1,2,3-Trichloropropane

Concen: 23.626 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN081629.D

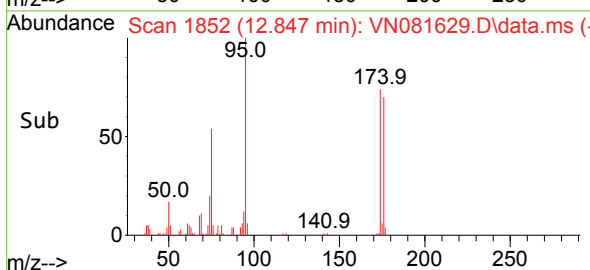
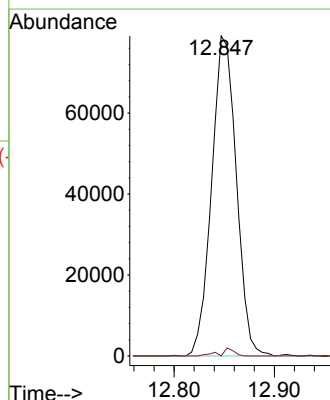
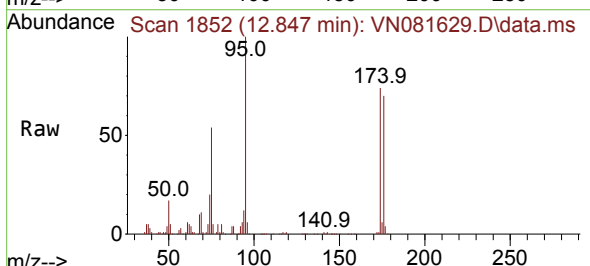
Acq: 29 Mar 2024 20:40

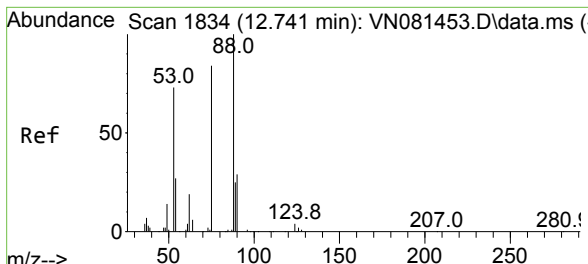
Tgt Ion: 75 Resp: 135328

Ion Ratio Lower Upper

75 100

77 1.4 91.0 272.8#

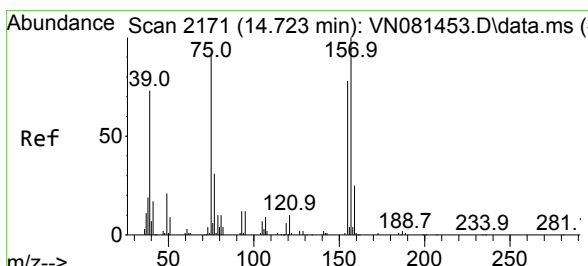
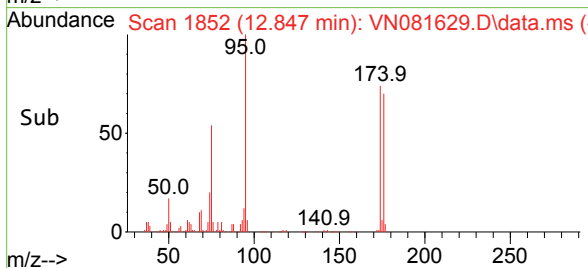
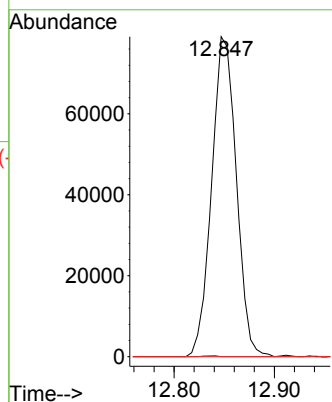
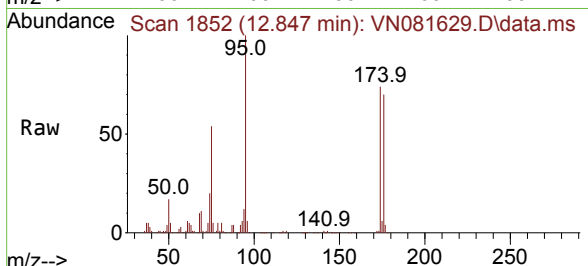




#81
trans-1,4-Dichloro-2-butene
Concen: 63.844 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN081629.D
Acq: 29 Mar 2024 20:40

Instrument :
MSVOA_N
ClientSampleId :
PB159859ZHE#07

Tgt Ion: 75 Resp: 135328
Ion Ratio Lower Upper
75 100
53 0.2 71.4 107.2#
89 0.0 33.4 50.0#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.371 ug/l
RT: 14.706 min Scan# 2168
Delta R.T. -0.018 min
Lab File: VN081629.D
Acq: 29 Mar 2024 20:40

Tgt Ion: 75 Resp: 474
Ion Ratio Lower Upper
75 100
155 0.0 31.8 95.4#
157 0.0 41.1 123.4#

