

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032724\
 Data File : VN081590.D
 Acq On : 27 Mar 2024 17:09
 Operator : JC\MD
 Sample : PB159779ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB159779ZHE#06

Quant Time: Mar 28 01:30:07 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)

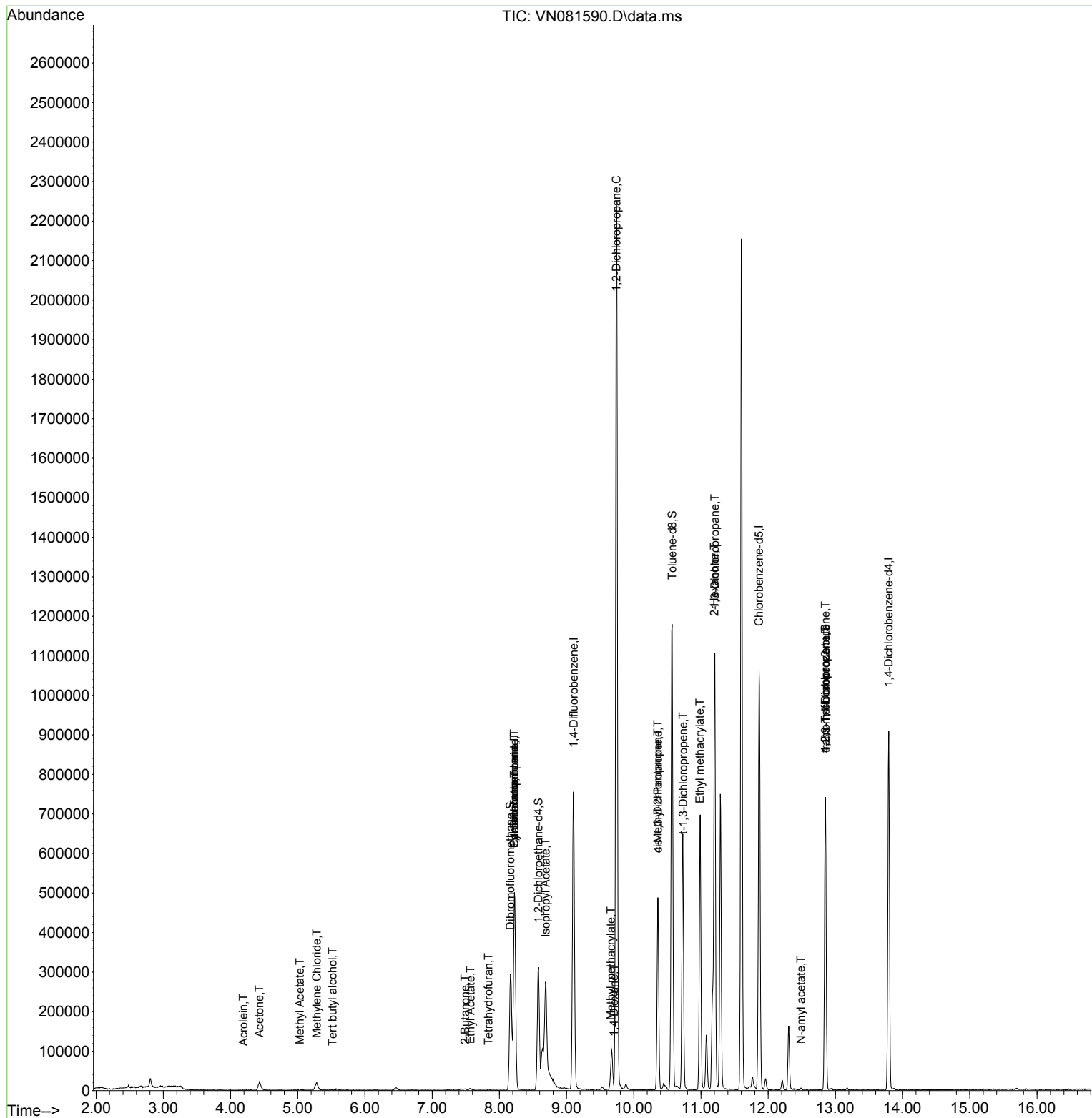
Internal Standards						
1) Pentafluorobenzene	8.224	168	360457	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.106	114	684071	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	639719	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	243652	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	250970	54.597	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	= 109.200%		
35) Dibromofluoromethane	8.165	113	217951	50.484	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 100.960%		
50) Toluene-d8	10.571	98	832067	53.317	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	= 106.640%		
62) 4-Bromofluorobenzene	12.853	95	254531	46.287	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery	= 92.580%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.518	59	182	0.227	ug/l	# 72
13) Acrolein	4.189	56	283	0.394	ug/l	# 15
16) Acetone	4.430	43	36357	24.473	ug/l	98
18) Methyl Acetate	5.030	43	3418	0.746	ug/l	# 80
20) Methylene Chloride	5.283	84	14204	2.919	ug/l	# 79
25) 2-Butanone	7.488	43	5770	2.264	ug/l	# 72
29) Tetrahydrofuran	7.835	42	806	0.470	ug/l	# 77
31) Cyclohexane	8.224	56	8877	1.187	ug/l	# 31
36) 1,1-Dichloropropene	8.224	75	31862	4.386	ug/l	# 47
37) Ethyl Acetate	7.571	43	6671	1.072	ug/l	# 87
38) Carbon Tetrachloride	8.224	117	40782	5.124	ug/l	# 18
43) Isopropyl Acetate	8.688	43	368414	35.725	ug/l	# 83
45) 1,2-Dichloropropane	9.741	63	3459	0.672	ug/l	# 42
48) Methyl methacrylate	9.659	41	6646	1.397	ug/l	# 15
49) 1,4-Dioxane	9.706	88	96	0.840	ug/l	# 18
51) 4-Methyl-2-Pentanone	10.359	43	163153	25.928	ug/l	# 51
53) t-1,3-Dichloropropene	10.735	75	1704	0.206	ug/l	# 81
54) cis-1,3-Dichloropropene	10.359	75	87470	9.885	ug/l	# 61
56) Ethyl methacrylate	10.982	69	2983	0.975	ug/l	# 1
57) 1,3-Dichloropropane	11.206	76	11919	1.338	ug/l	# 43
59) 2-Hexanone	11.200	43	137950	29.652	ug/l	# 59
74) N-amyl acetate	12.488	43	2408	0.320	ug/l	# 50
76) 1,2,3-Trichloropropane	12.853	75	131564	22.573	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.853	75	131564	61.001	ug/l	# 14

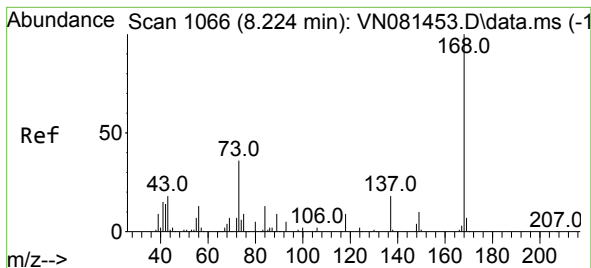
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Mar 19 06:00:00 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN081590.D

Acq: 27 Mar 2024 17:09

Instrument :

MSVOA_N

ClientSampleId :

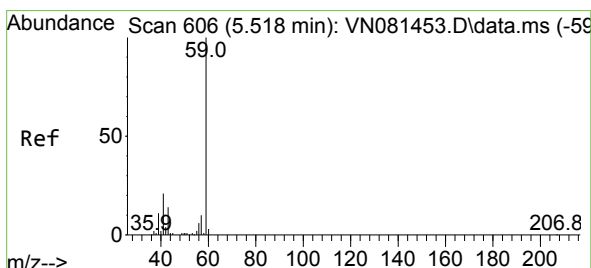
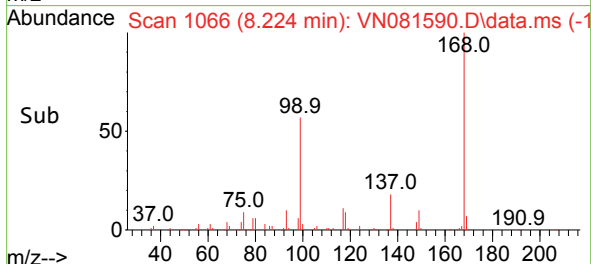
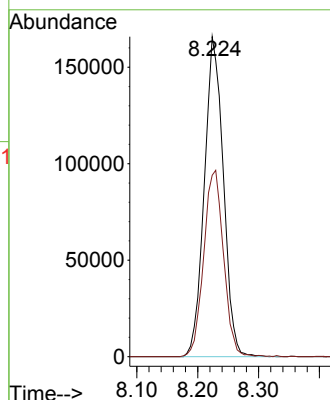
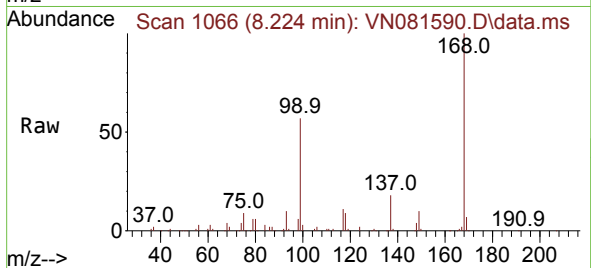
PB159779ZHE#06

Tgt Ion:168 Resp: 360457

Ion Ratio Lower Upper

168 100

99 56.7 59.9 89.9#



#11

Tert butyl alcohol

Concen: 0.227 ug/l

RT: 5.518 min Scan# 606

Delta R.T. 0.000 min

Lab File: VN081590.D

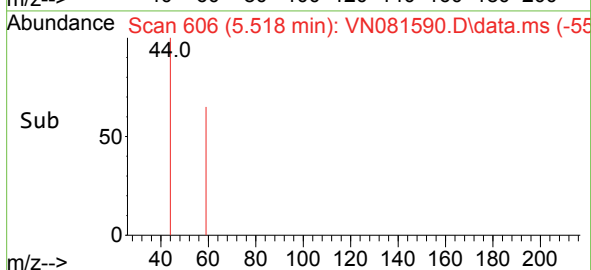
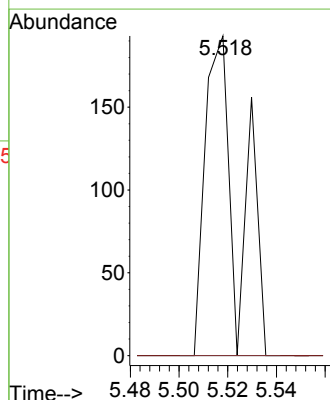
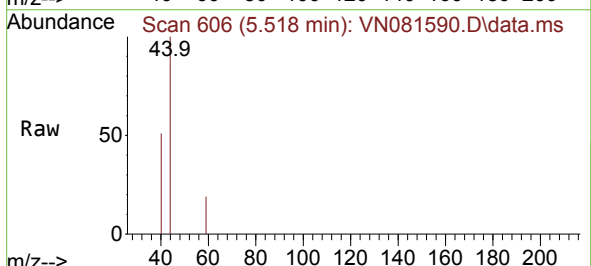
Acq: 27 Mar 2024 17:09

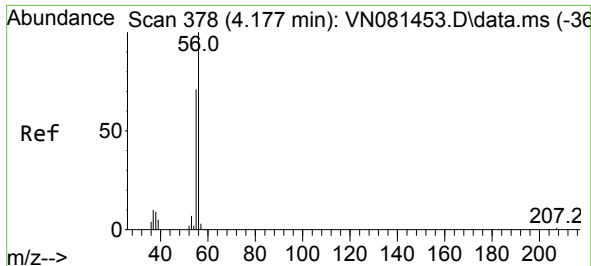
Tgt Ion: 59 Resp: 182

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#

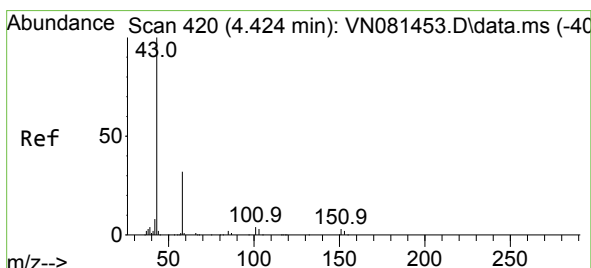
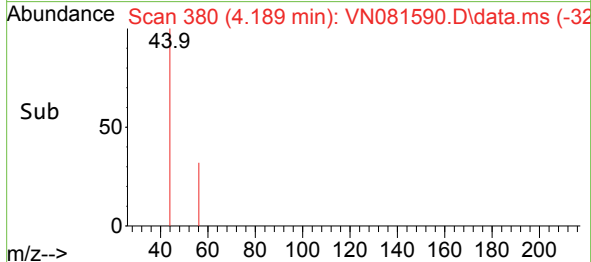
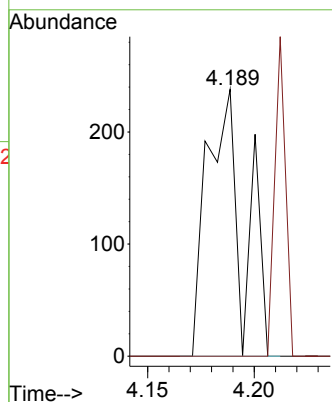
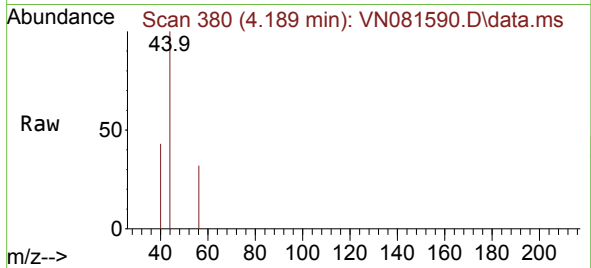




#13
Acrolein
Concen: 0.394 ug/l
RT: 4.189 min Scan# 378
Delta R.T. 0.012 min
Lab File: VN081590.D
Acq: 27 Mar 2024 17:09

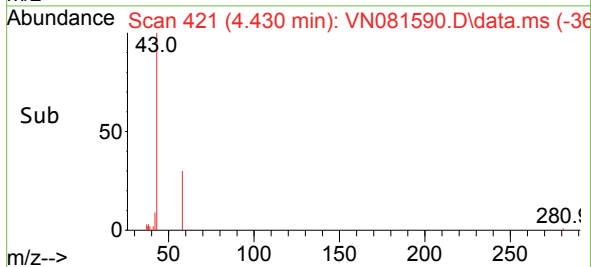
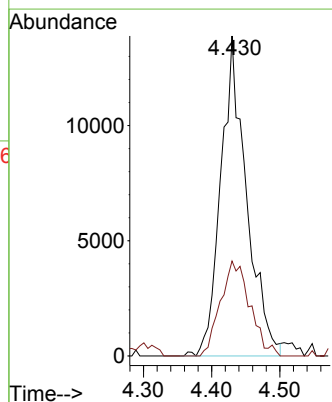
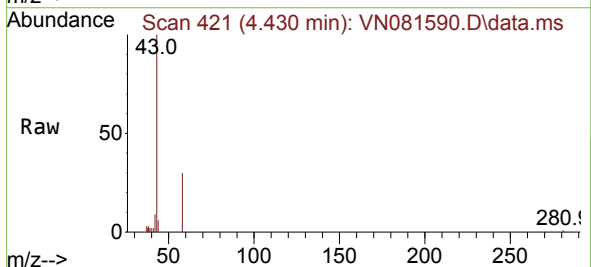
Instrument :
MSVOA_N
ClientSampleId :
PB159779ZHE#06

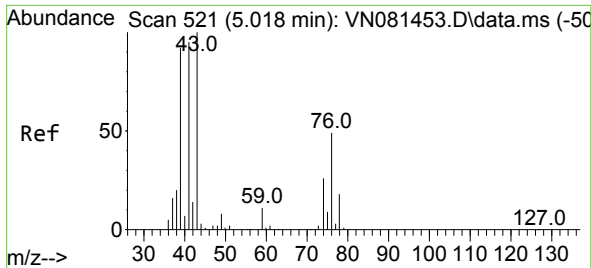
Tgt Ion: 56 Resp: 283
Ion Ratio Lower Upper
56 100
55 0.0 55.3 82.9#



#16
Acetone
Concen: 24.473 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN081590.D
Acq: 27 Mar 2024 17:09

Tgt Ion: 43 Resp: 36357
Ion Ratio Lower Upper
43 100
58 29.7 24.8 37.2

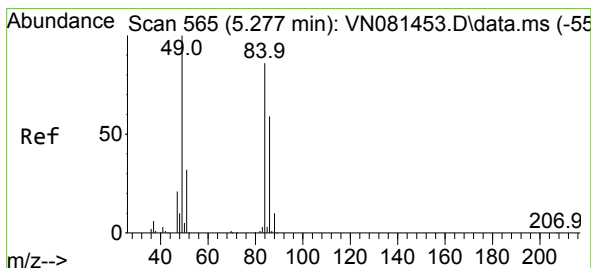
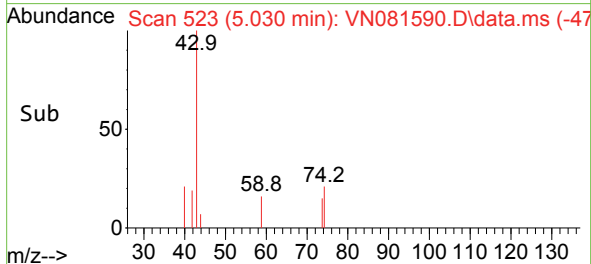
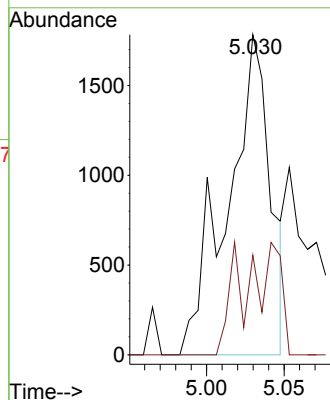
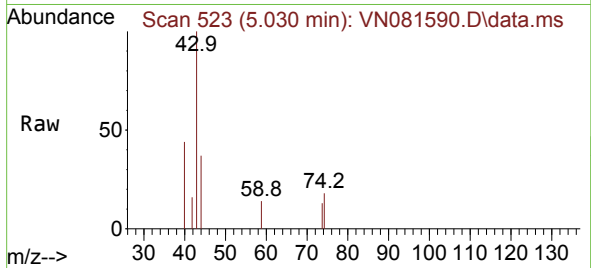




#18
Methyl Acetate
Concen: 0.746 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN081590.D
Acq: 27 Mar 2024 17:09

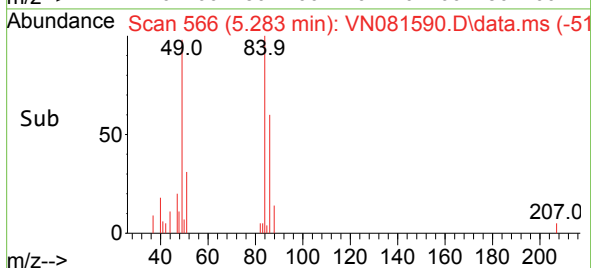
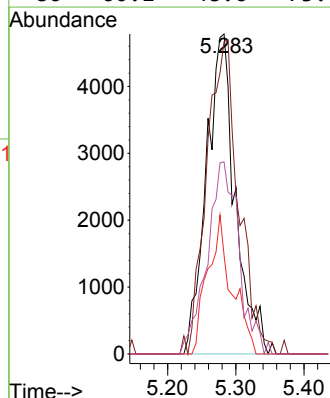
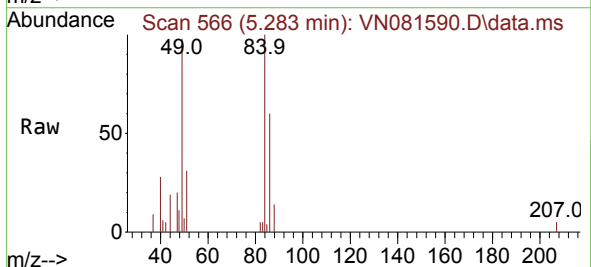
Instrument :
MSVOA_N
ClientSampleId :
PB159779ZHE#06

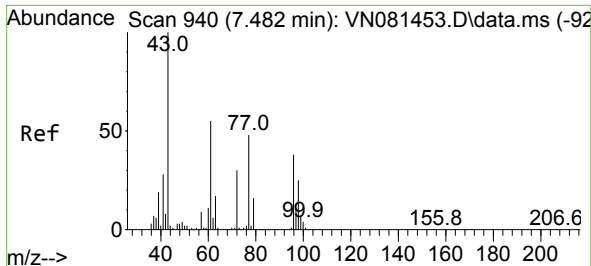
Tgt Ion: 43 Resp: 3418
Ion Ratio Lower Upper
43 100
74 12.1 17.3 25.9#



#20
Methylene Chloride
Concen: 2.919 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN081590.D
Acq: 27 Mar 2024 17:09

Tgt Ion: 84 Resp: 14204
Ion Ratio Lower Upper
84 100
49 97.6 108.1 162.1#
51 30.9 32.9 49.3#
86 60.1 48.6 73.0

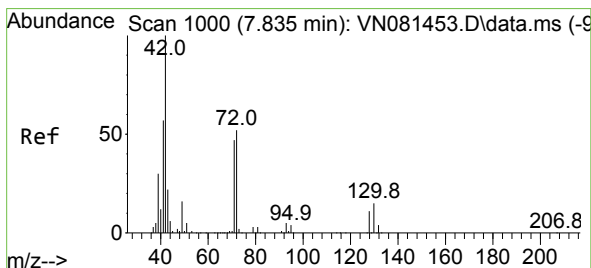
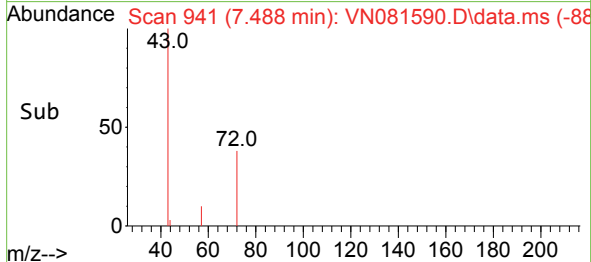
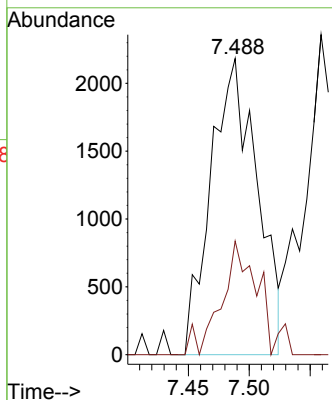
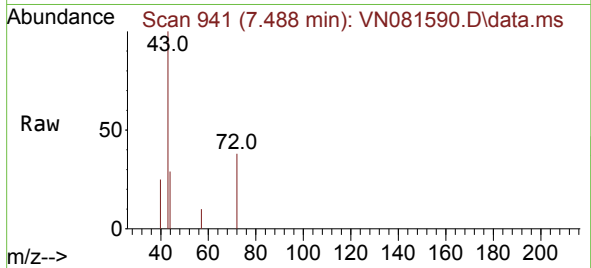




#25
2-Butanone
Concen: 2.264 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN081590.D
Acq: 27 Mar 2024 17:09

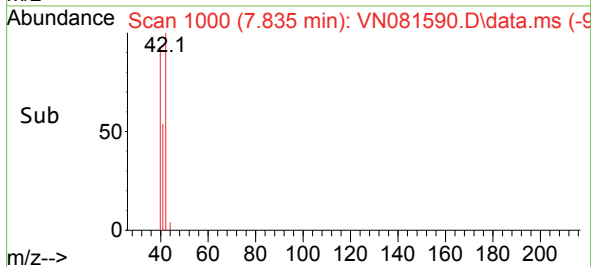
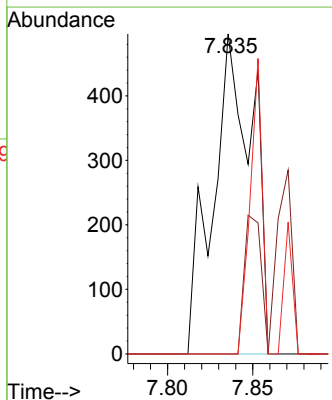
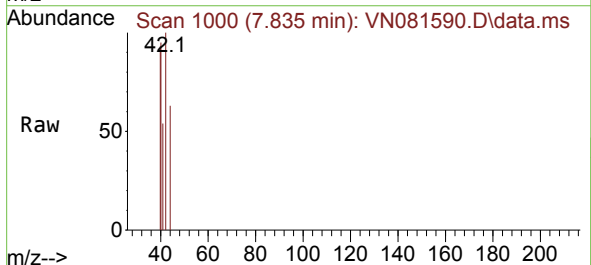
Instrument :
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ClientSampleId :
PB159779ZHE#06

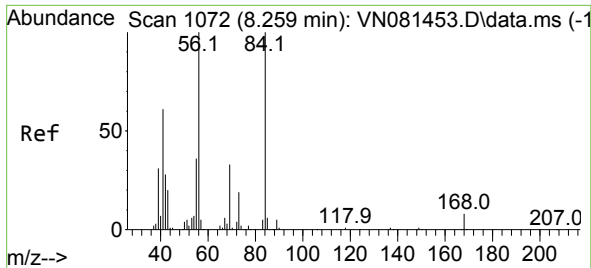
Tgt Ion: 43 Resp: 5770
Ion Ratio Lower Upper
43 100
72 38.3 19.5 29.3#



#29
Tetrahydrofuran
Concen: 0.470 ug/l
RT: 7.835 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VN081590.D
Acq: 27 Mar 2024 17:09

Tgt Ion: 42 Resp: 806
Ion Ratio Lower Upper
42 100
72 18.4 31.1 46.7#
71 28.3 28.3 42.5#

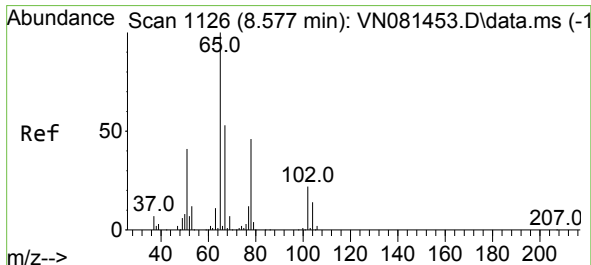
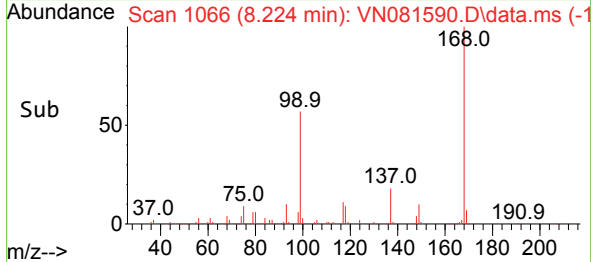
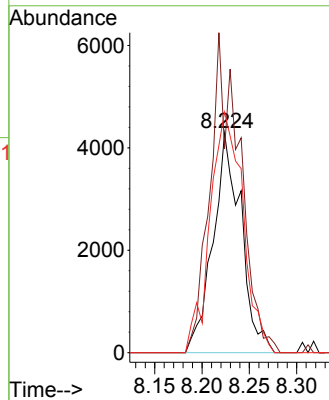
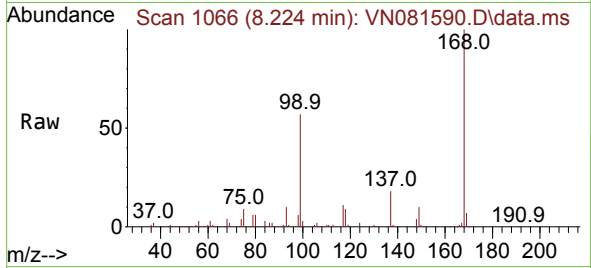




#31
Cyclohexane
Concen: 1.187 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081590.D
Acq: 27 Mar 2024 17:09

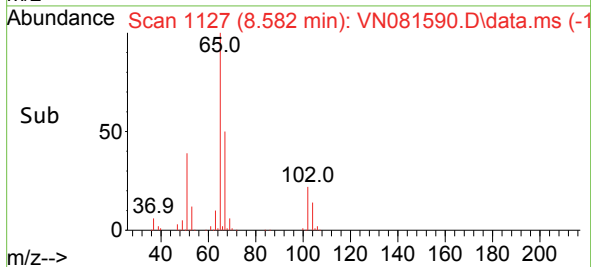
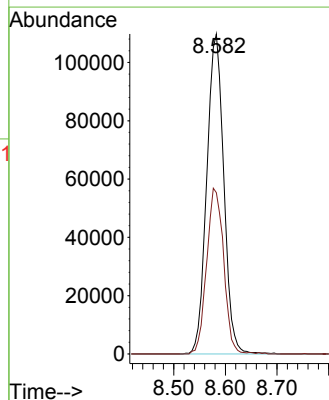
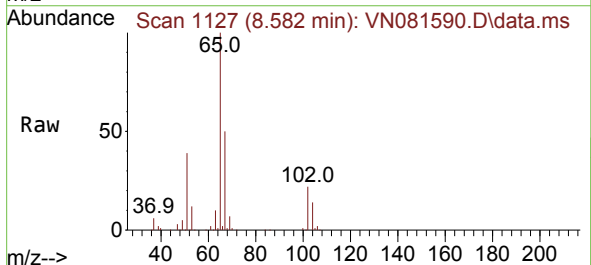
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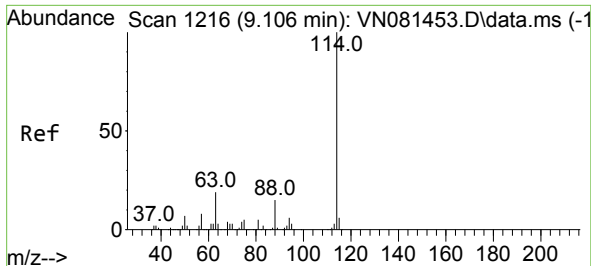
Tgt Ion: 56 Resp: 8877
Ion Ratio Lower Upper
56 100
69 92.7 20.1 30.1#
84 109.6 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 54.597 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081590.D
Acq: 27 Mar 2024 17:09

Tgt Ion: 65 Resp: 250970
Ion Ratio Lower Upper
65 100
67 51.7 0.0 102.4

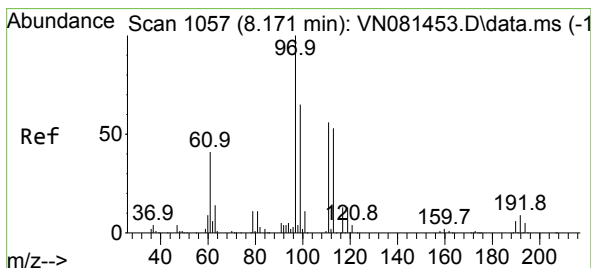
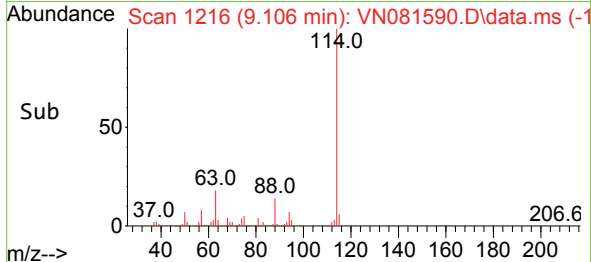
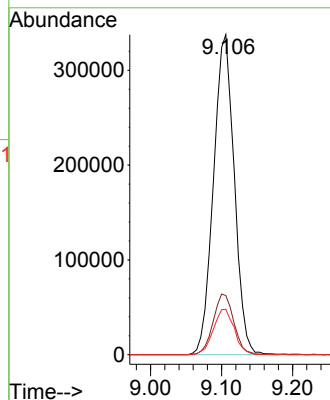
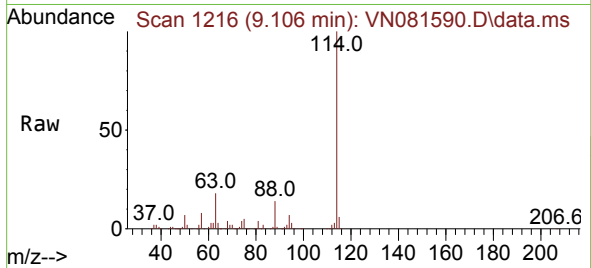




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN081590.D
Acq: 27 Mar 2024 17:09

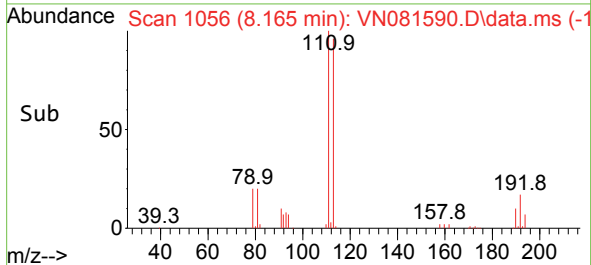
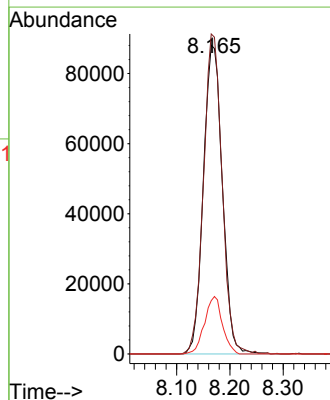
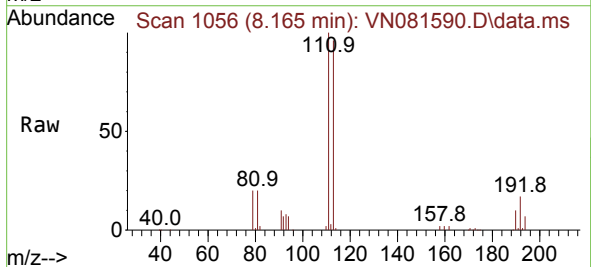
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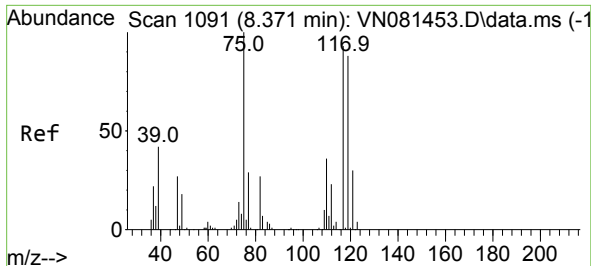
Tgt Ion:114 Resp: 684071
Ion Ratio Lower Upper
114 100
63 18.5 0.0 48.0
88 14.2 0.0 34.8



#35
Dibromofluoromethane
Concen: 50.484 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN081590.D
Acq: 27 Mar 2024 17:09

Tgt Ion:113 Resp: 217951
Ion Ratio Lower Upper
113 100
111 101.4 82.2 123.4
192 17.5 12.5 18.7





#36

1,1-Dichloropropene

Concen: 4.386 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN081590.D

Acq: 27 Mar 2024 17:09

Instrument :

MSVOA_N

ClientSampleId :

PB159779ZHE#06

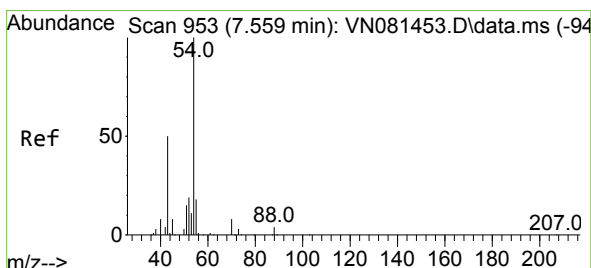
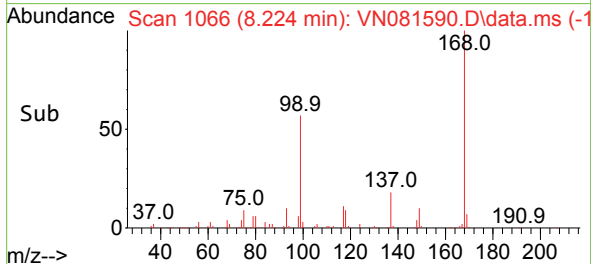
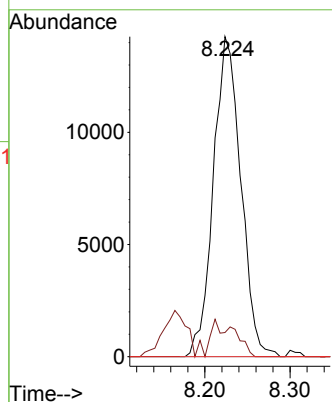
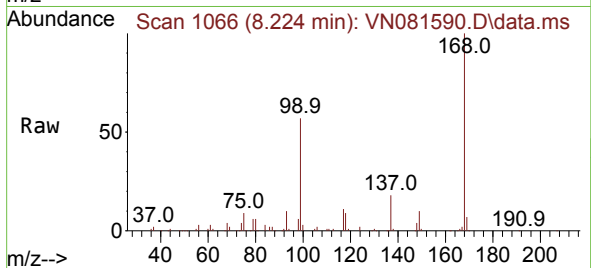
Tgt Ion: 75 Resp: 31862

Ion Ratio Lower Upper

75 100

110 5.2 16.0 48.0#

77 0.0 25.8 38.6#



#37

Ethyl Acetate

Concen: 1.072 ug/l

RT: 7.571 min Scan# 955

Delta R.T. 0.012 min

Lab File: VN081590.D

Acq: 27 Mar 2024 17:09

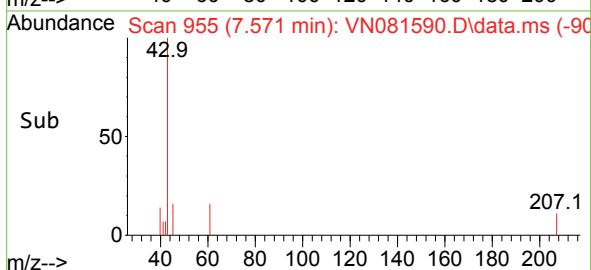
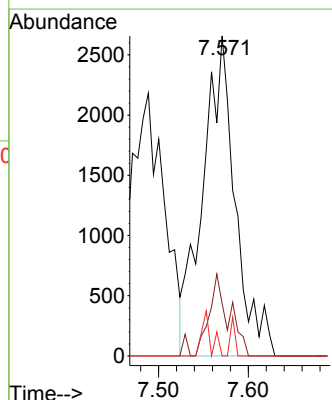
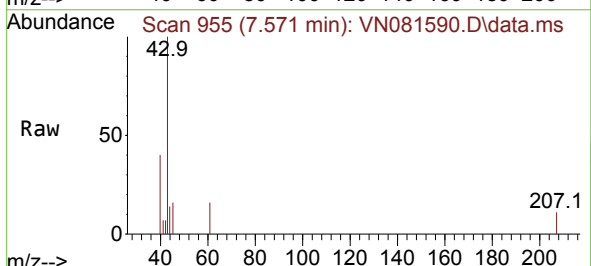
Tgt Ion: 43 Resp: 6671

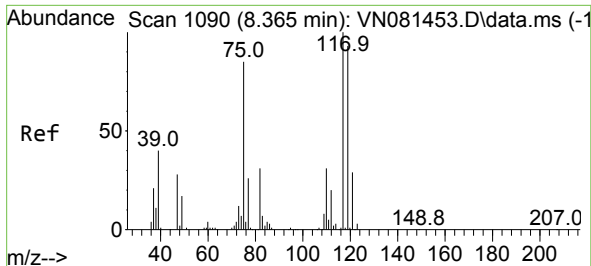
Ion Ratio Lower Upper

43 100

61 15.6 10.6 15.8

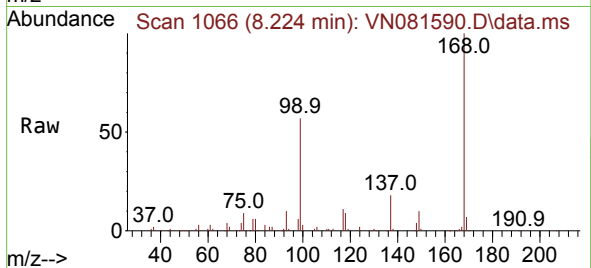
70 1.7 8.0 12.0#



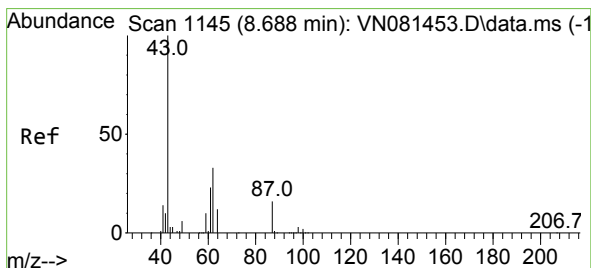
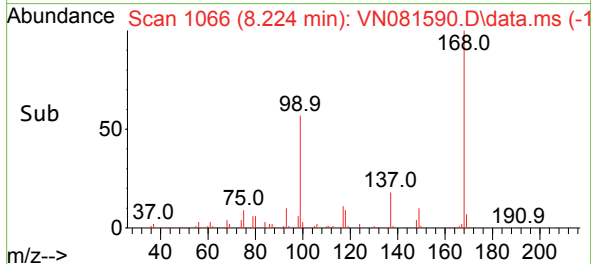
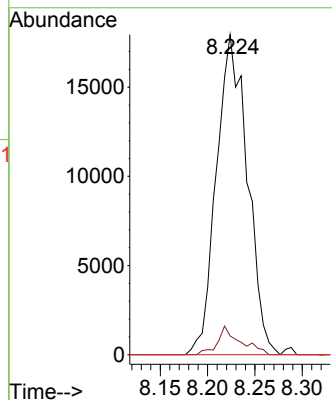


#38
Carbon Tetrachloride
Concen: 5.124 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN081590.D
Acq: 27 Mar 2024 17:09

Instrument :
MSVOA_N
ClientSampleId :
PB159779ZHE#06

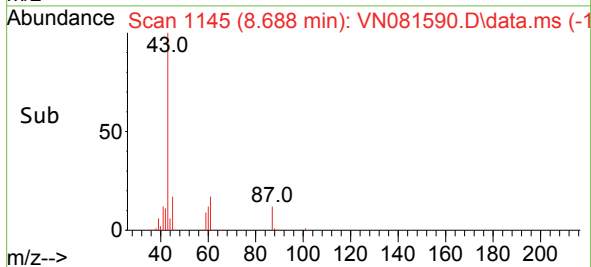
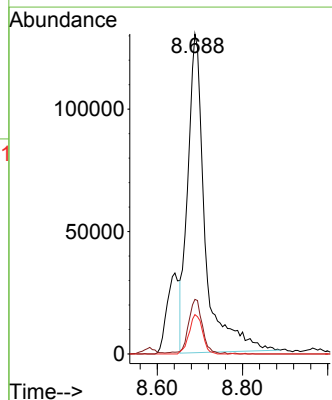
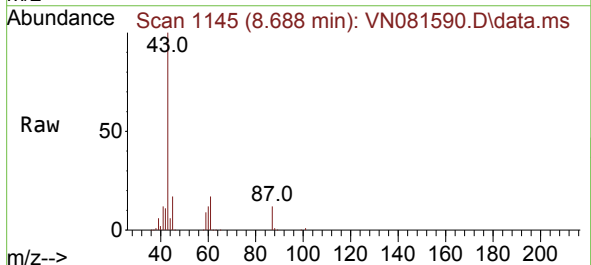


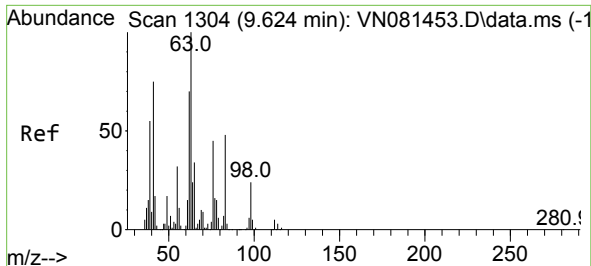
Tgt Ion:117 Resp: 40782
Ion Ratio Lower Upper
117 100
119 5.8 73.4 110.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 35.725 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN081590.D
Acq: 27 Mar 2024 17:09

Tgt Ion: 43 Resp: 368414
Ion Ratio Lower Upper
43 100
61 13.4 19.9 29.9#
87 9.5 9.0 13.6





#45

1,2-Dichloropropane

Concen: 0.672 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN081590.D

Acq: 27 Mar 2024 17:09

Instrument :

MSVOA_N

ClientSampleId :

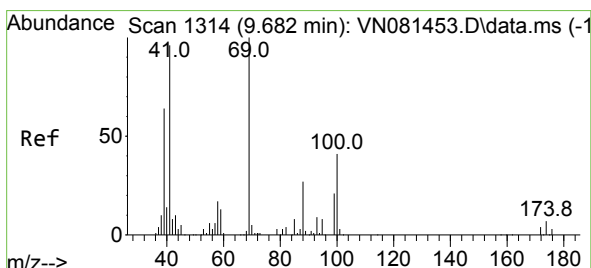
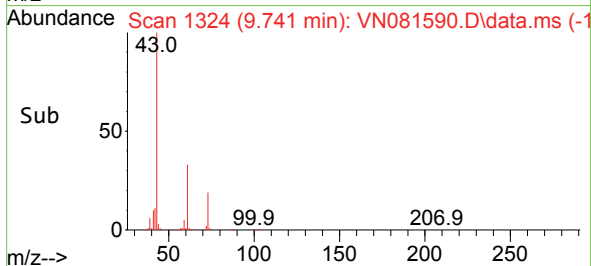
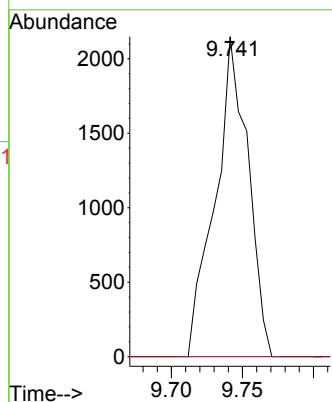
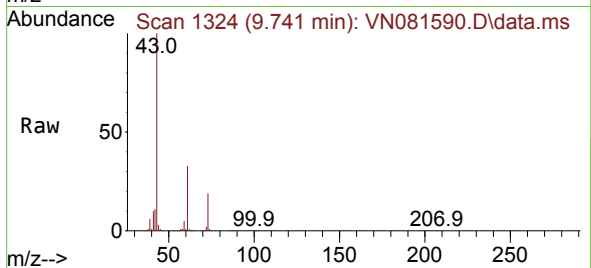
PB159779ZHE#06

Tgt Ion: 63 Resp: 3459

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 1.397 ug/l

RT: 9.659 min Scan# 1310

Delta R.T. -0.023 min

Lab File: VN081590.D

Acq: 27 Mar 2024 17:09

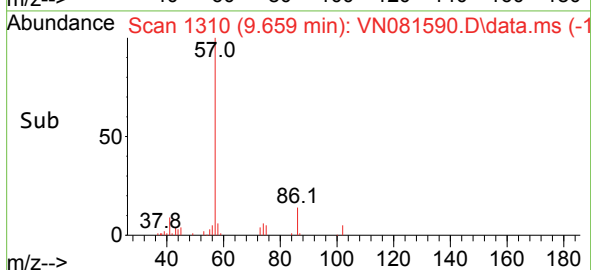
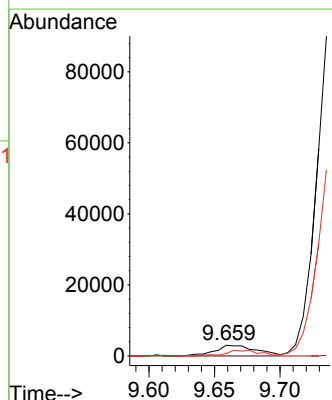
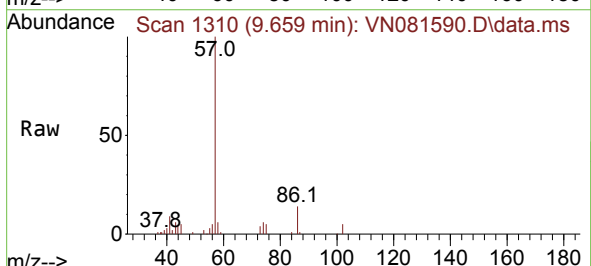
Tgt Ion: 41 Resp: 6646

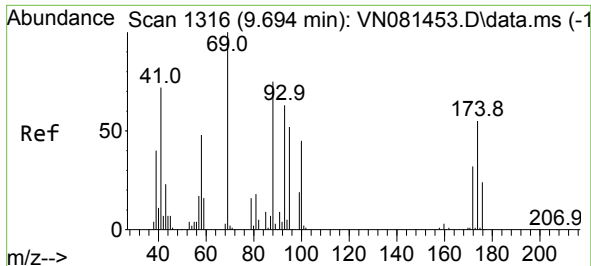
Ion Ratio Lower Upper

41 100

69 0.0 62.2 93.2#

39 0.0 47.6 71.4#





#49

1,4-Dioxane

Concen: 0.840 ug/l

RT: 9.706 min Scan# 11

Delta R.T. 0.012 min

Lab File: VN081590.D

Acq: 27 Mar 2024 17:09

Instrument :

MSVOA_N

ClientSampleId :

PB159779ZHE#06

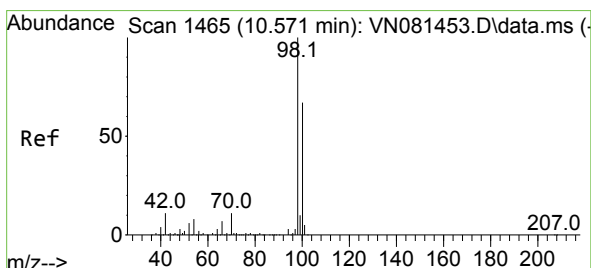
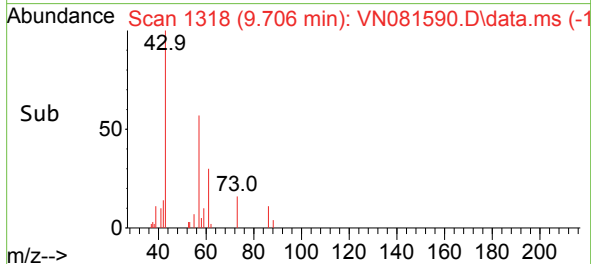
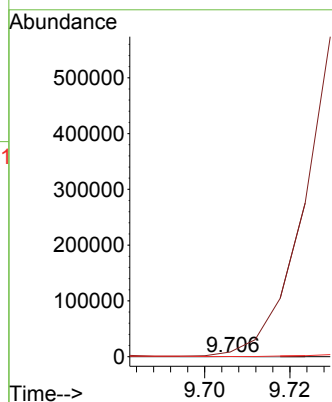
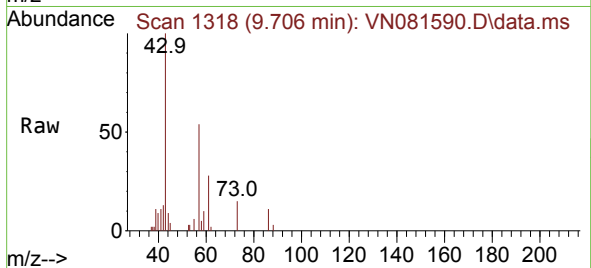
Tgt Ion: 88 Resp: 96

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 0.0 63.9 95.9#



#50

Toluene-d8

Concen: 53.317 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN081590.D

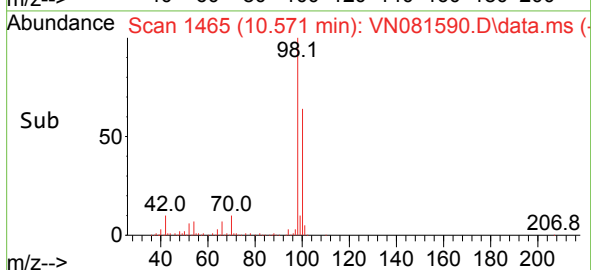
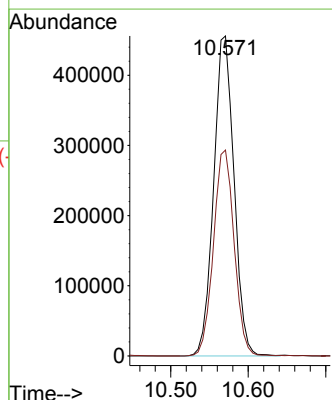
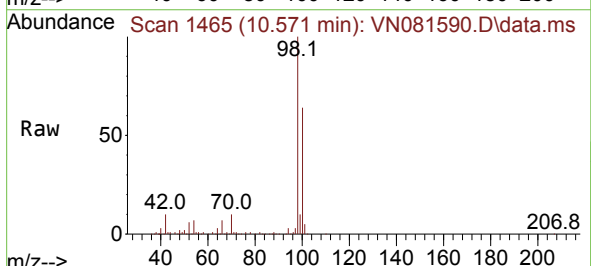
Acq: 27 Mar 2024 17:09

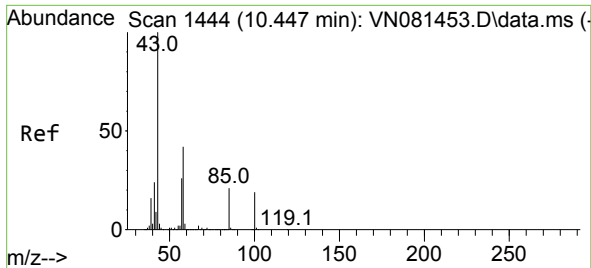
Tgt Ion: 98 Resp: 832067

Ion Ratio Lower Upper

98 100

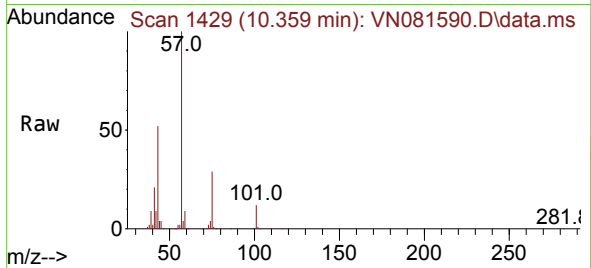
100 65.3 51.4 77.0



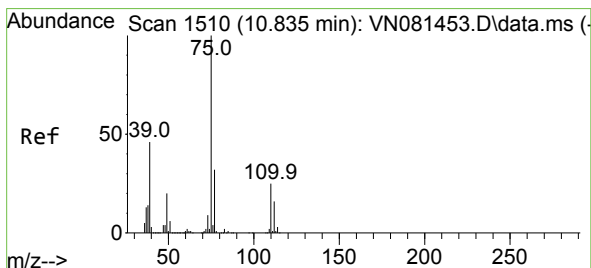
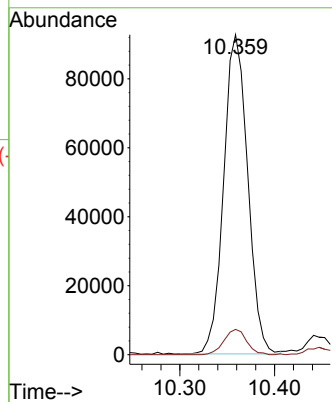
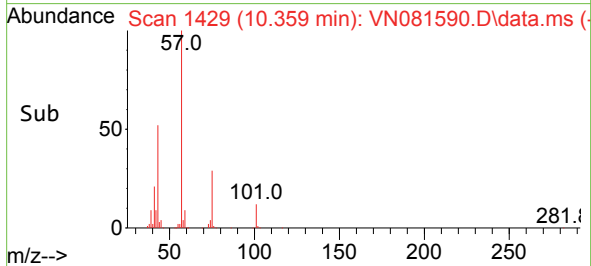


#51
4-Methyl-2-Pentanone
Concen: 25.928 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN081590.D
Acq: 27 Mar 2024 17:09

Instrument :
MSVOA_N
ClientSampleId :
PB159779ZHE#06

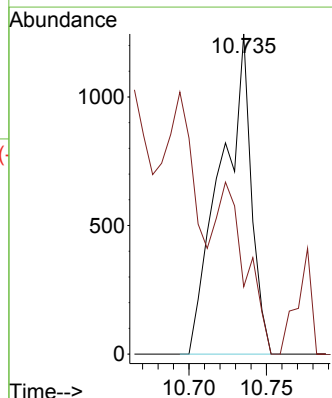
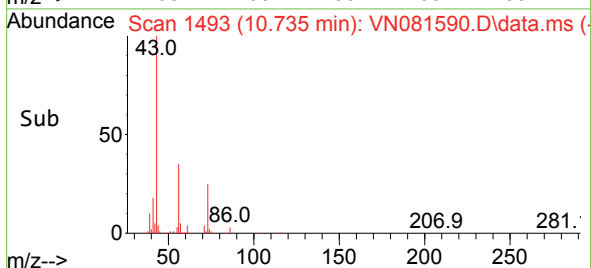
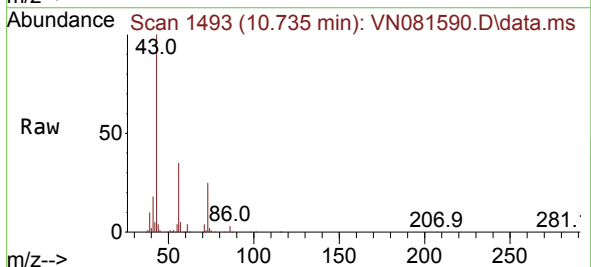


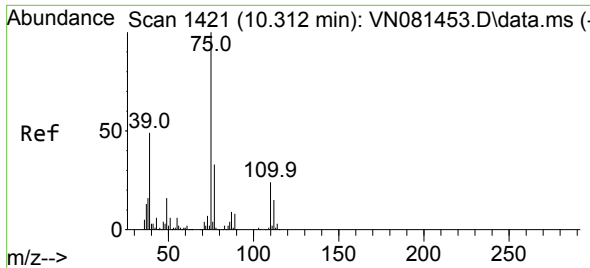
Tgt Ion: 43 Resp: 163153
Ion Ratio Lower Upper
43 100
58 7.5 29.4 44.0#



#53
t-1,3-Dichloropropene
Concen: 0.206 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.100 min
Lab File: VN081590.D
Acq: 27 Mar 2024 17:09

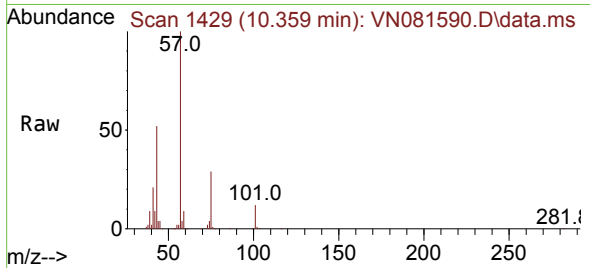
Tgt Ion: 75 Resp: 1704
Ion Ratio Lower Upper
75 100
77 21.0 25.5 38.3#



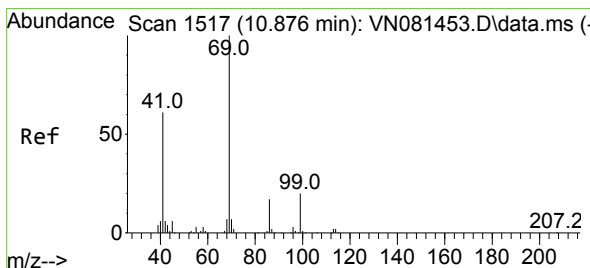
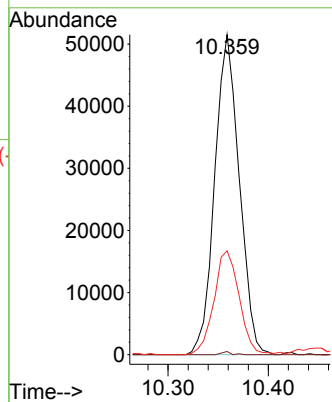
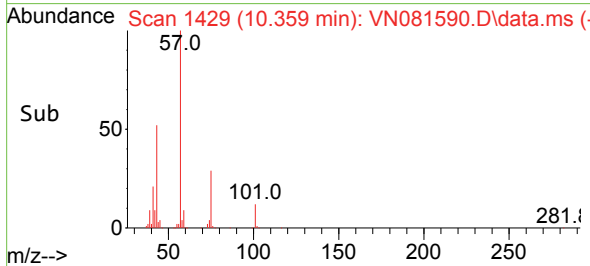


#54
cis-1,3-Dichloropropene
Concen: 9.885 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN081590.D
Acq: 27 Mar 2024 17:09

Instrument :
MSVOA_N
ClientSampleId :
PB159779ZHE#06

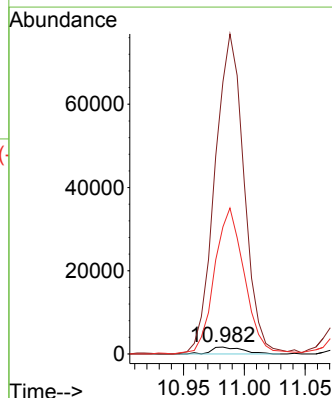
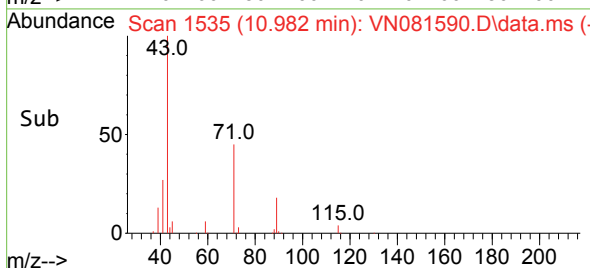
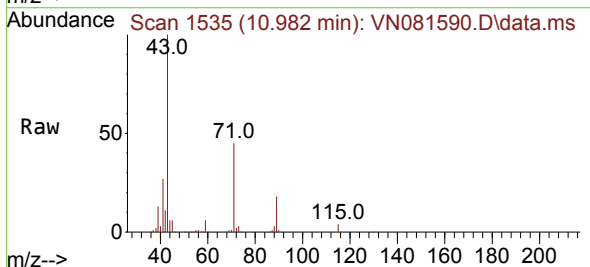


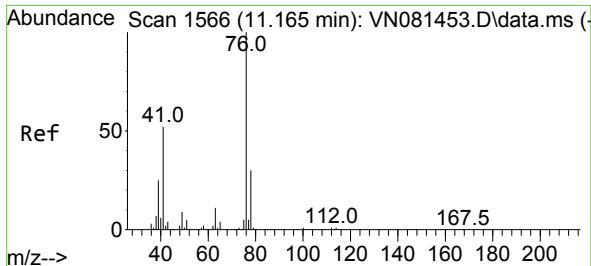
Tgt Ion: 75 Resp: 87470
Ion Ratio Lower Upper
75 100
77 1.0 23.3 34.9#
39 32.5 44.6 66.8#



#56
Ethyl methacrylate
Concen: 0.975 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN081590.D
Acq: 27 Mar 2024 17:09

Tgt Ion: 69 Resp: 2983
Ion Ratio Lower Upper
69 100
41 4318.0 61.0 91.6#
39 2018.8 31.8 47.6#





#57

1,3-Dichloropropane

Concen: 1.338 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

Lab File: VN081590.D

Acq: 27 Mar 2024 17:09

Instrument :

MSVOA_N

ClientSampleId :

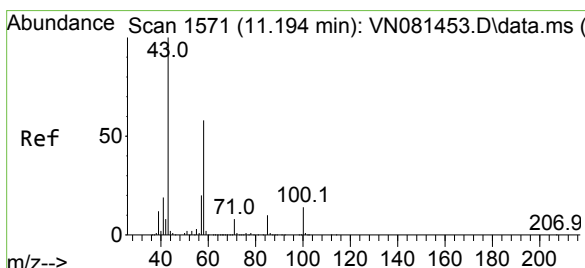
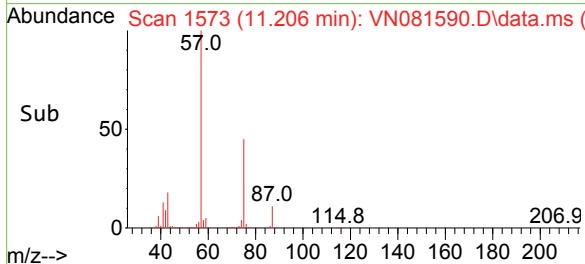
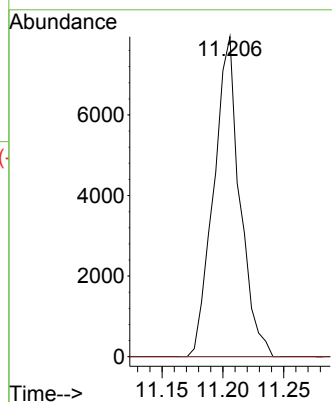
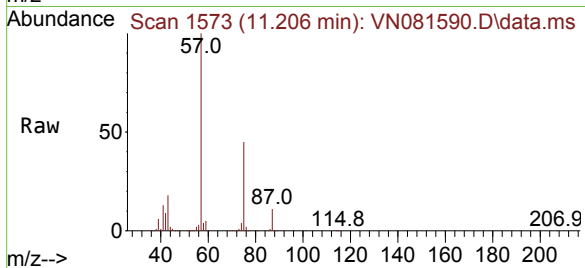
PB159779ZHE#06

Tgt Ion: 76 Resp: 11919

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 29.652 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN081590.D

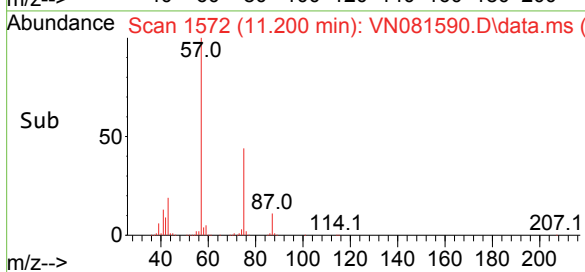
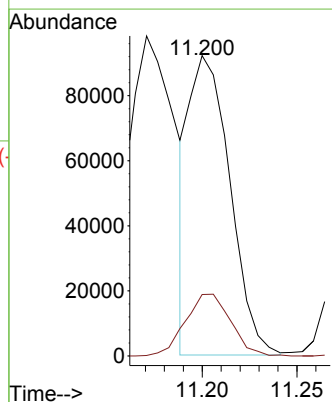
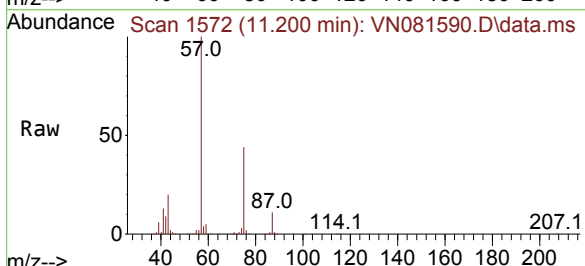
Acq: 27 Mar 2024 17:09

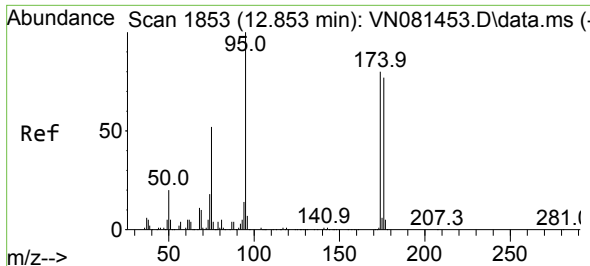
Tgt Ion: 43 Resp: 137950

Ion Ratio Lower Upper

43 100

58 23.0 25.9 77.8#

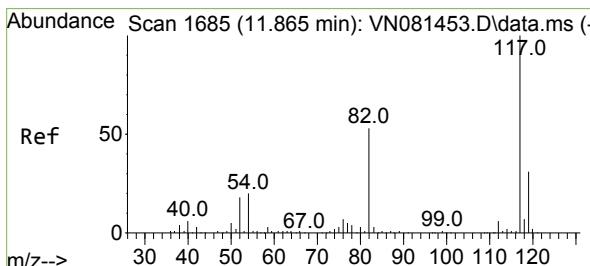
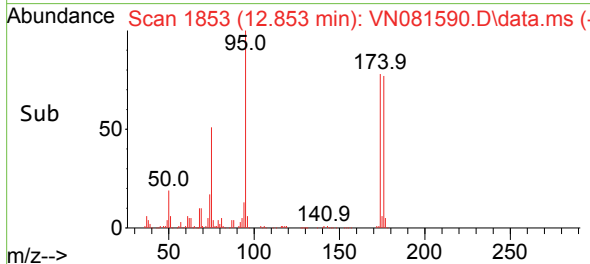
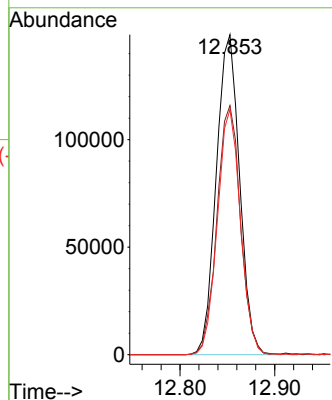
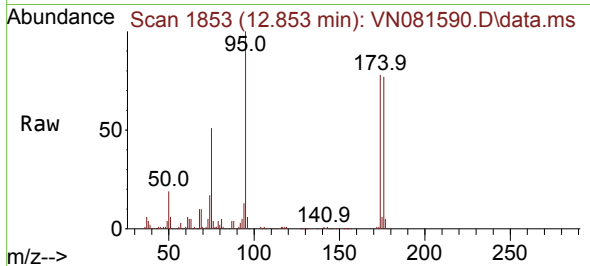




#62
4-Bromofluorobenzene
Concen: 46.287 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN081590.D
Acq: 27 Mar 2024 17:09

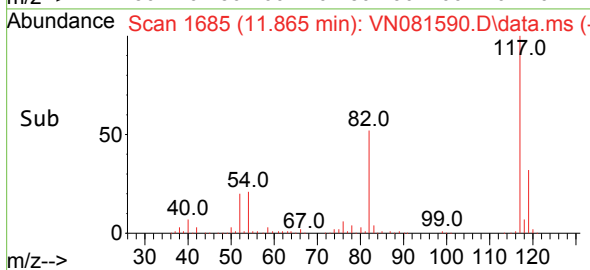
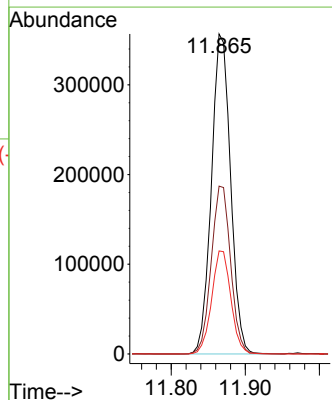
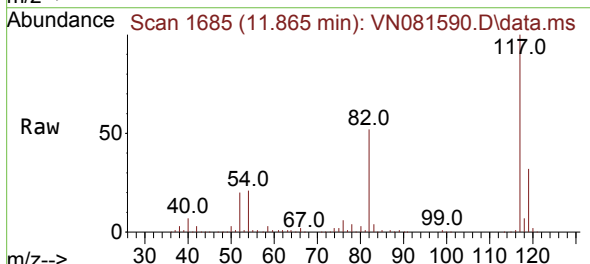
Instrument :
MSVOA_N
ClientSampleId :
PB159779ZHE#06

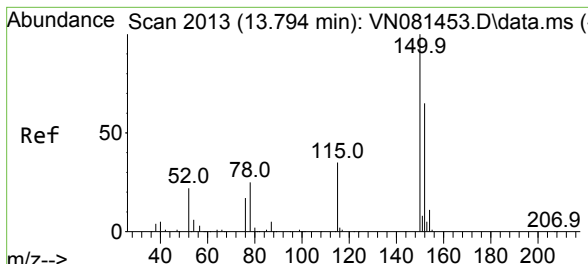
Tgt Ion: 95 Resp: 254531
Ion Ratio Lower Upper
95 100
174 78.5 0.0 120.4
176 75.7 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN081590.D
Acq: 27 Mar 2024 17:09

Tgt Ion: 117 Resp: 639719
Ion Ratio Lower Upper
117 100
82 52.5 52.7 79.1#
119 32.2 25.3 37.9

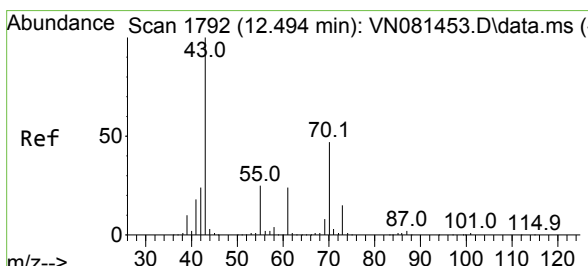
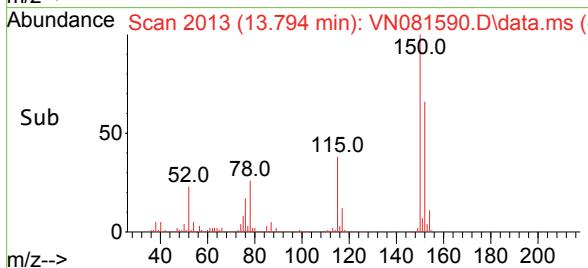
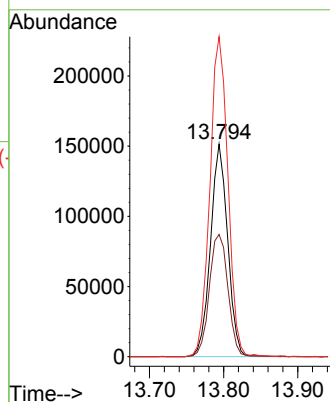
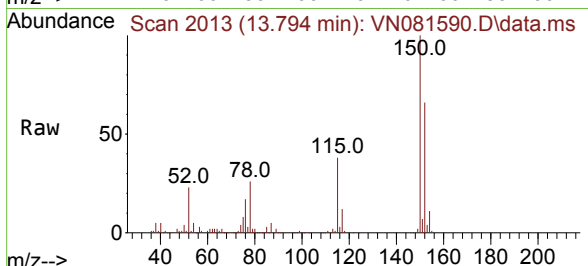




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VN081590.D
 Acq: 27 Mar 2024 17:09

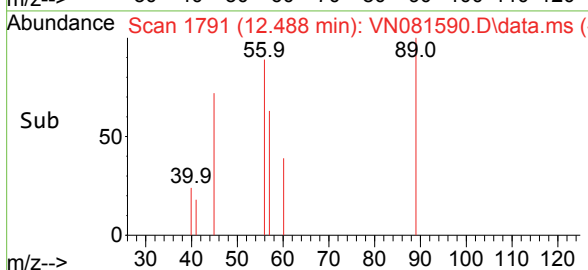
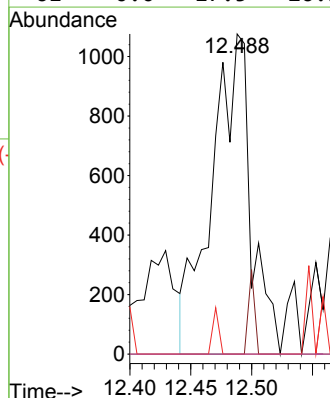
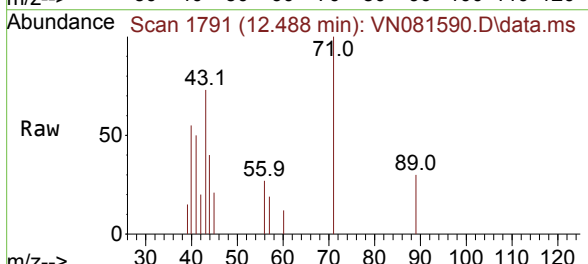
Instrument :
 MSVOA_N
 ClientSampleId :
 PB159779ZHE#06

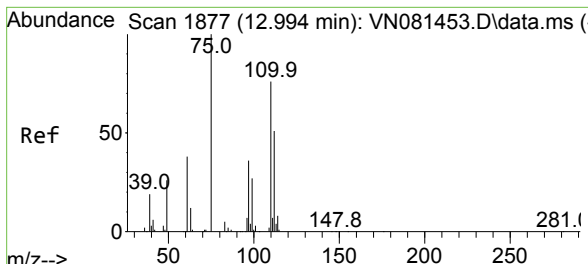
Tgt Ion:152 Resp: 243652
 Ion Ratio Lower Upper
 152 100
 115 62.6 32.3 96.8
 150 157.8 0.0 339.8



#74
 N-ethyl acetate
 Concen: 0.320 ug/l
 RT: 12.488 min Scan# 1791
 Delta R.T. -0.006 min
 Lab File: VN081590.D
 Acq: 27 Mar 2024 17:09

Tgt Ion: 43 Resp: 2408
 Ion Ratio Lower Upper
 43 100
 70 4.2 30.1 45.1#
 55 0.0 17.0 25.4#
 61 0.0 17.5 26.3#

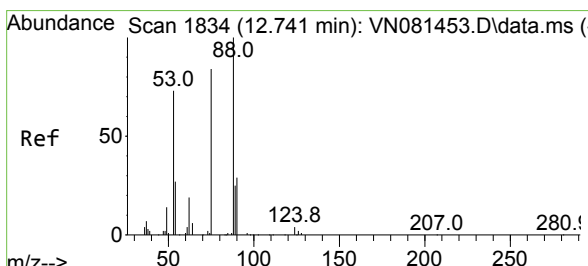
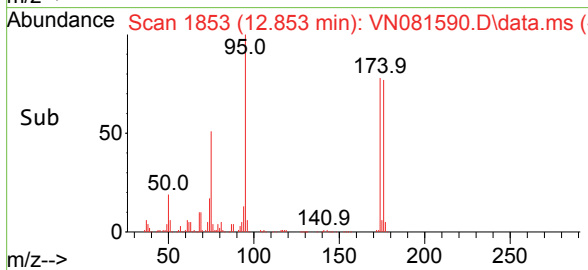
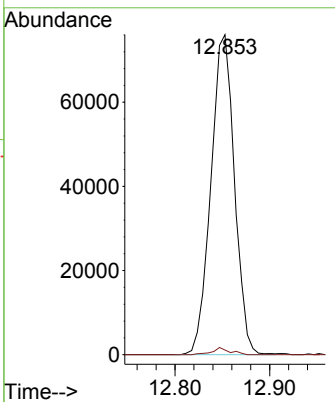
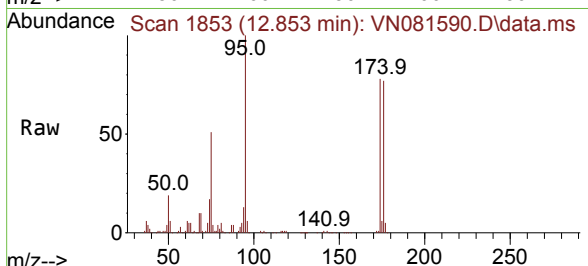




#76
 1,2,3-Trichloropropane
 Concen: 22.573 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN081590.D
 Acq: 27 Mar 2024 17:09

Instrument : MSVOA_N
 ClientSampleId : PB159779ZHE#06

Tgt Ion: 75 Resp: 131564
 Ion Ratio Lower Upper
 75 100
 77 1.7 91.0 272.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.001 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.112 min
 Lab File: VN081590.D
 Acq: 27 Mar 2024 17:09

Tgt Ion: 75 Resp: 131564
 Ion Ratio Lower Upper
 75 100
 53 0.2 71.4 107.2#
 89 0.1 33.4 50.0#

