

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032724\
 Data File : VN081586.D
 Acq On : 27 Mar 2024 15:33
 Operator : JC\MD
 Sample : PB159779ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB159779ZHE#02

Quant Time: Mar 28 01:28:29 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)

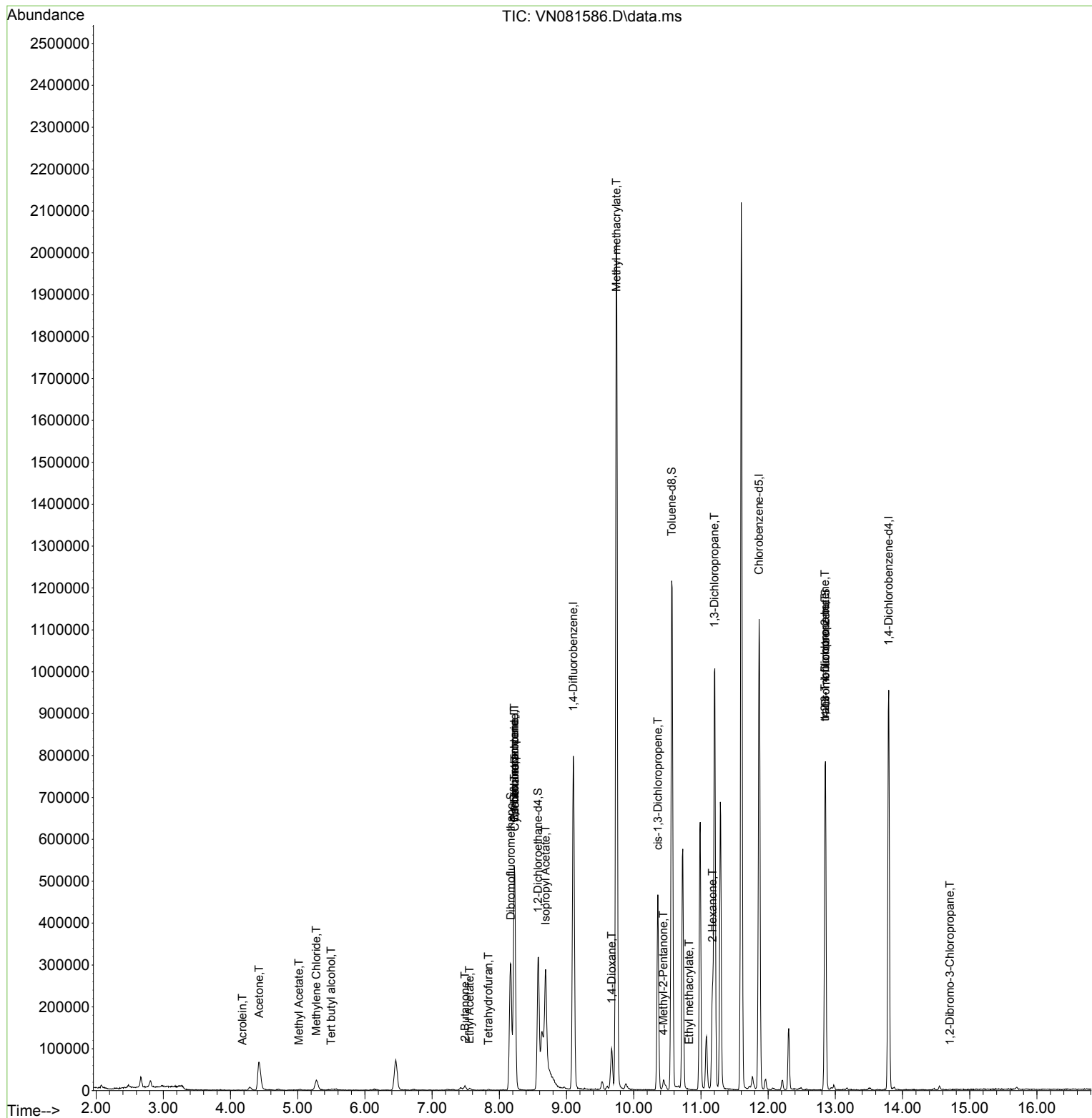
Internal Standards						
1) Pentafluorobenzene	8.224	168	384654	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	708858	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	667056	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	258138	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	258257	52.648	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.300%			
35) Dibromofluoromethane	8.171	113	221603	49.536	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.080%			
50) Toluene-d8	10.565	98	867431	53.639	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.280%			
62) 4-Bromofluorobenzene	12.853	95	269039	47.214	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 94.420%			
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.495	59	1896	2.218	ug/l	# 72
13) Acrolein	4.177	56	531	0.692	ug/l	# 50
16) Acetone	4.424	43	133624	84.290	ug/l	95
18) Methyl Acetate	5.018	43	2837	0.580	ug/l	# 67
20) Methylene Chloride	5.277	84	19996	3.851	ug/l	# 77
25) 2-Butanone	7.489	43	15086	5.548	ug/l	96
29) Tetrahydrofuran	7.836	42	608	0.332	ug/l	# 79
31) Cyclohexane	8.230	56	8956	1.122	ug/l	# 1
36) 1,1-Dichloropropene	8.224	75	31706	4.211	ug/l	# 46
37) Ethyl Acetate	7.559	43	6272	0.973	ug/l	# 93
38) Carbon Tetrachloride	8.224	117	41990	5.091	ug/l	# 17
43) Isopropyl Acetate	8.688	43	374590	35.054	ug/l	# 82
48) Methyl methacrylate	9.741	41	185174	37.569	ug/l	# 47
49) 1,4-Dioxane	9.671	88	57	0.481	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.441	43	20793	3.189	ug/l	88
54) cis-1,3-Dichloropropene	10.359	75	86265	9.408	ug/l	# 61
56) Ethyl methacrylate	10.824	69	209	0.598	ug/l	# 20
57) 1,3-Dichloropropane	11.200	76	10866	1.177	ug/l	# 43
59) 2-Hexanone	11.171	43	179110	37.153	ug/l	# 26
76) 1,2,3-Trichloropropane	12.847	75	141530	22.921	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.847	75	141530	61.939	ug/l	# 14
92) 1,2-Dibromo-3-Chloropr...	14.706	75	515	0.374	ug/l	# 13

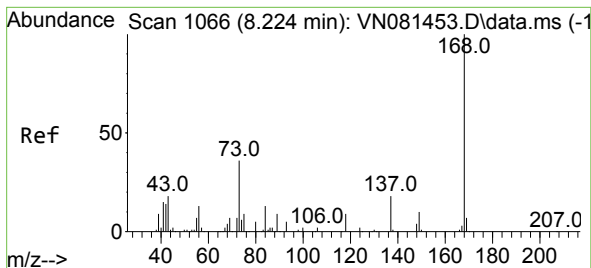
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1

Delta R.T. -0.000 min

Lab File: VN081586.D

Acq: 27 Mar 2024 15:33

Instrument :

MSVOA_N

ClientSampleId :

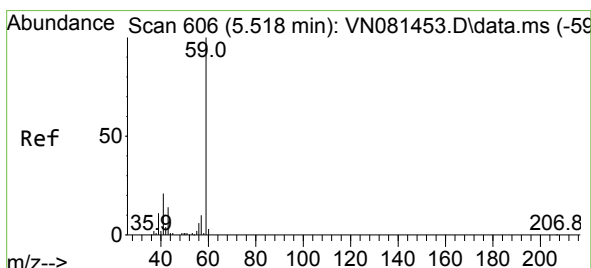
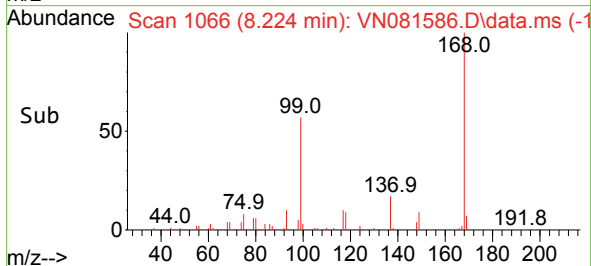
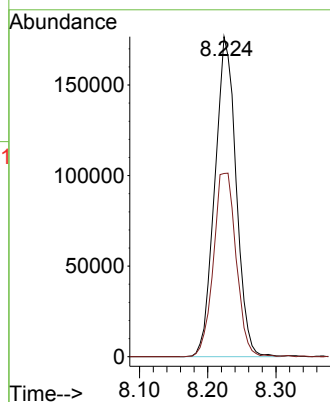
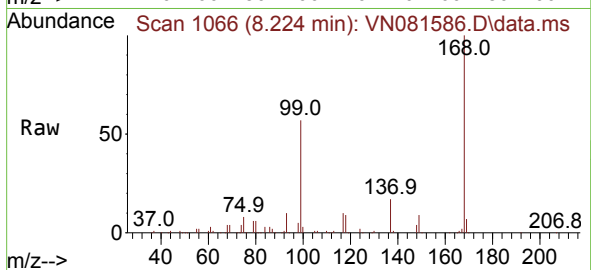
PB159779ZHE#02

Tgt Ion:168 Resp: 384654

Ion Ratio Lower Upper

168 100

99 57.3 59.9 89.9#



#11

Tert butyl alcohol

Concen: 2.218 ug/l

RT: 5.495 min Scan# 602

Delta R.T. -0.023 min

Lab File: VN081586.D

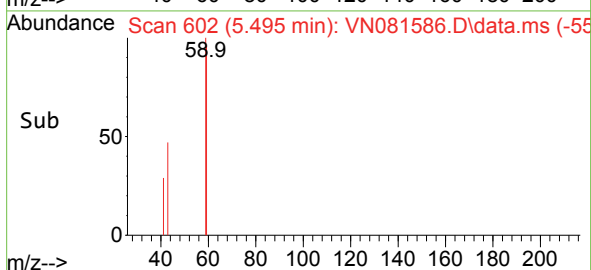
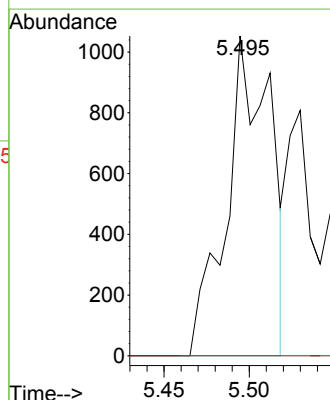
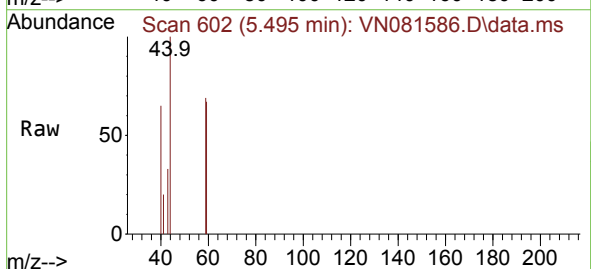
Acq: 27 Mar 2024 15:33

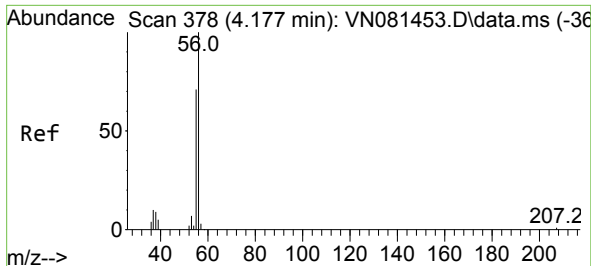
Tgt Ion: 59 Resp: 1896

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#

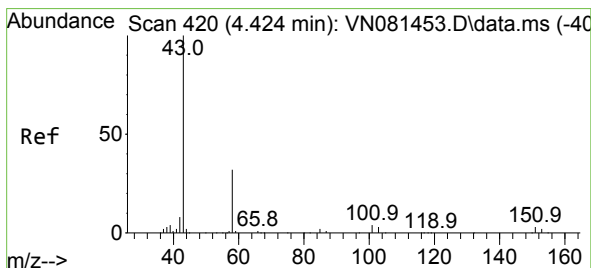
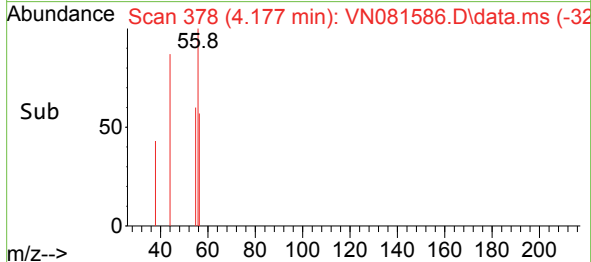
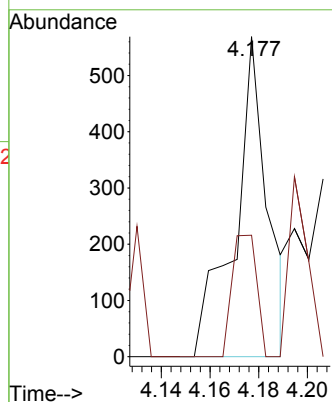
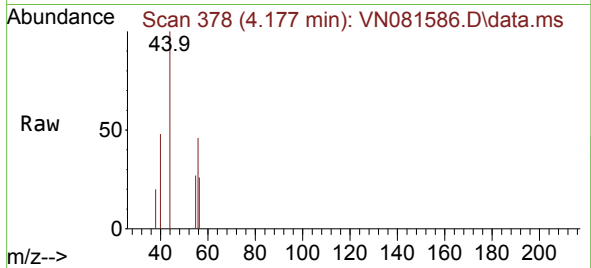




#13
Acrolein
Concen: 0.692 ug/l
RT: 4.177 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN081586.D
Acq: 27 Mar 2024 15:33

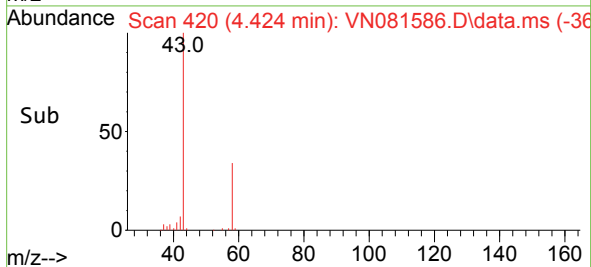
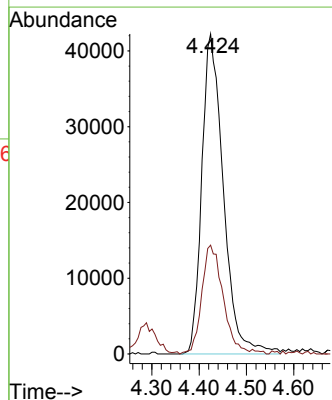
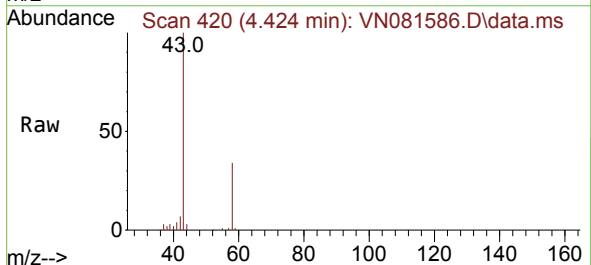
Instrument :
MSVOA_N
ClientSampleId :
PB159779ZHE#02

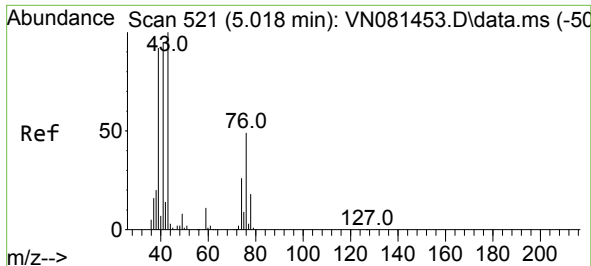
Tgt Ion: 56 Resp: 531
Ion Ratio Lower Upper
56 100
55 28.6 55.3 82.9#



#16
Acetone
Concen: 84.290 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN081586.D
Acq: 27 Mar 2024 15:33

Tgt Ion: 43 Resp: 133624
Ion Ratio Lower Upper
43 100
58 34.0 24.8 37.2





#18

Methyl Acetate

Concen: 0.580 ug/l

RT: 5.018 min Scan# 51

Delta R.T. 0.000 min

Lab File: VN081586.D

Acq: 27 Mar 2024 15:33

Instrument :

MSVOA_N

ClientSampleId :

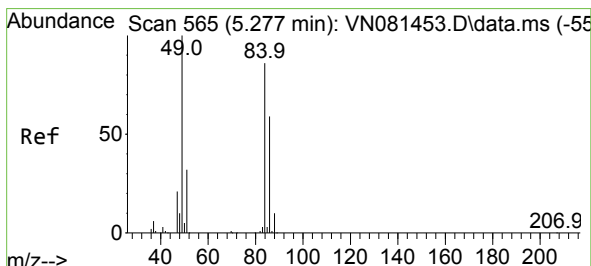
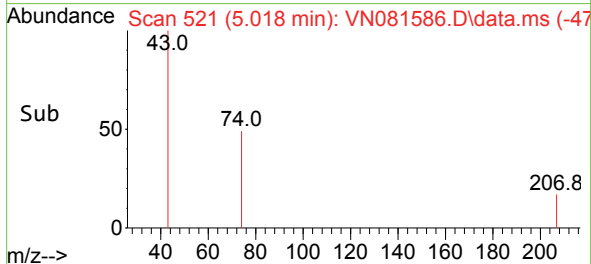
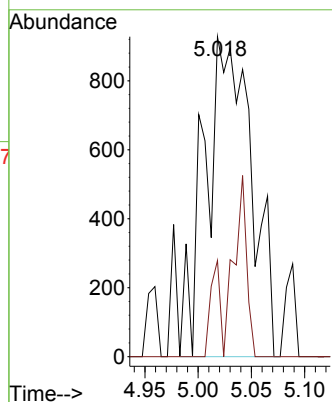
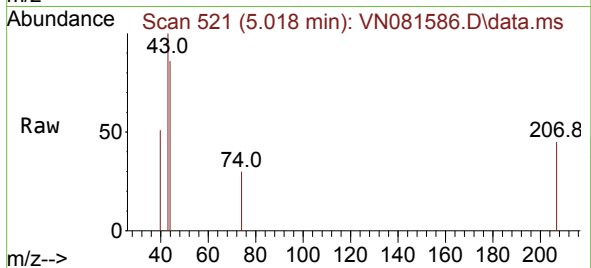
PB159779ZHE#02

Tgt Ion: 43 Resp: 2837

Ion Ratio Lower Upper

43 100

74 6.0 17.3 25.9#



#20

Methylene Chloride

Concen: 3.851 ug/l

RT: 5.277 min Scan# 565

Delta R.T. 0.000 min

Lab File: VN081586.D

Acq: 27 Mar 2024 15:33

Tgt Ion: 84 Resp: 19996

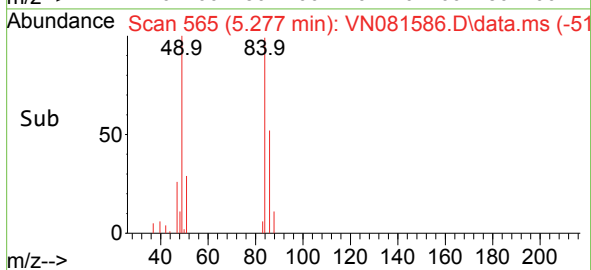
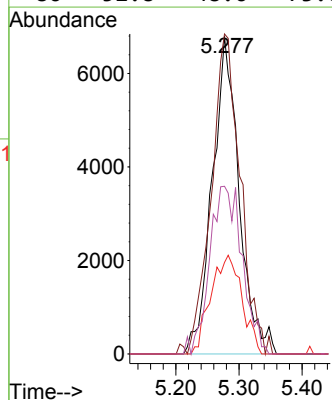
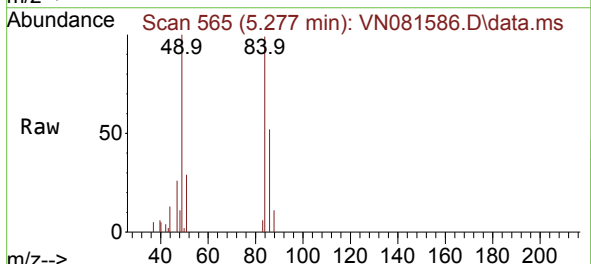
Ion Ratio Lower Upper

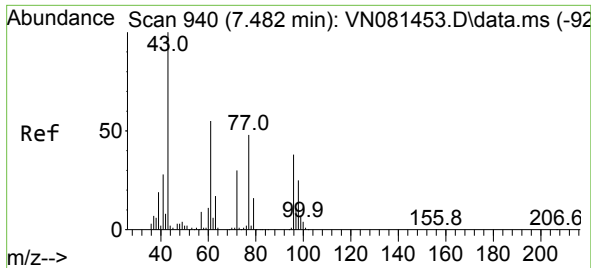
84 100

49 100.7 108.1 162.1#

51 28.8 32.9 49.3#

86 52.8 48.6 73.0

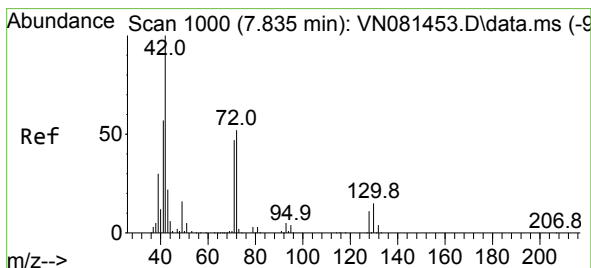
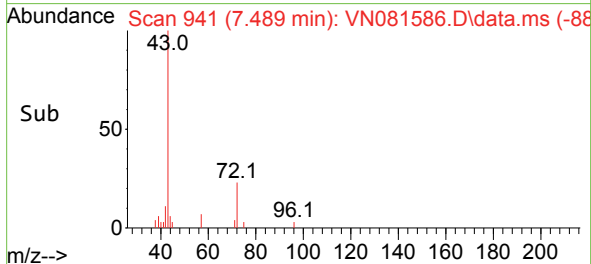
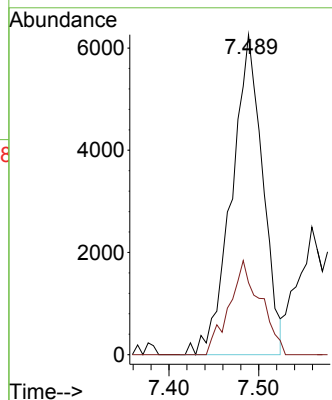
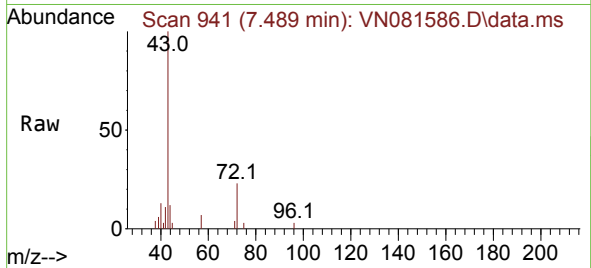




#25
2-Butanone
Concen: 5.548 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN081586.D
Acq: 27 Mar 2024 15:33

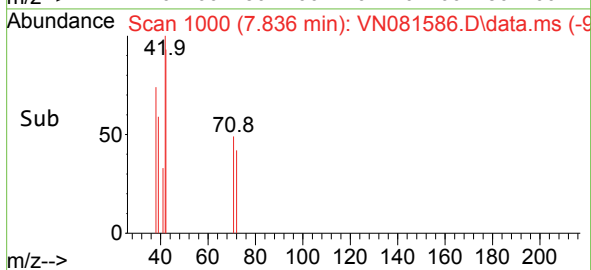
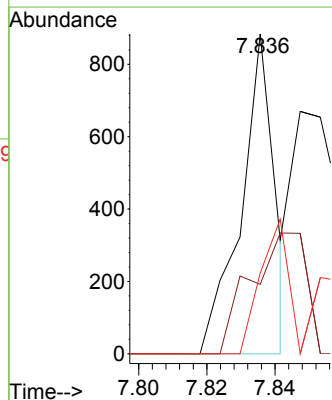
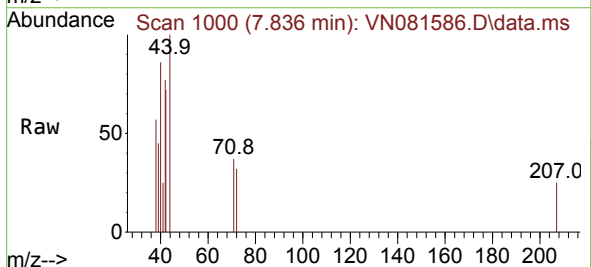
Instrument :
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ClientSampleId :
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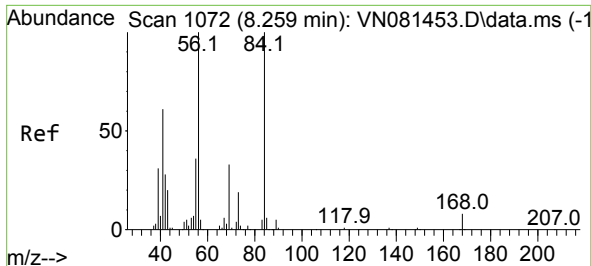
Tgt Ion: 43 Resp: 15086
Ion Ratio Lower Upper
43 100
72 22.5 19.5 29.3



#29
Tetrahydrofuran
Concen: 0.332 ug/l
RT: 7.836 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VN081586.D
Acq: 27 Mar 2024 15:33

Tgt Ion: 42 Resp: 608
Ion Ratio Lower Upper
42 100
72 62.3 31.1 46.7#
71 34.5 28.3 42.5

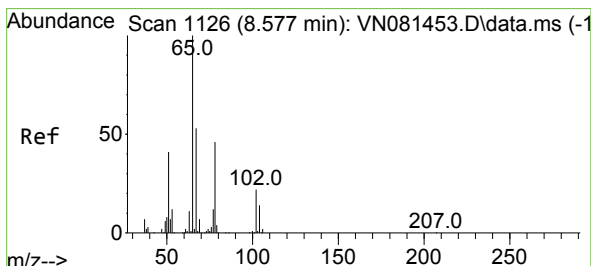
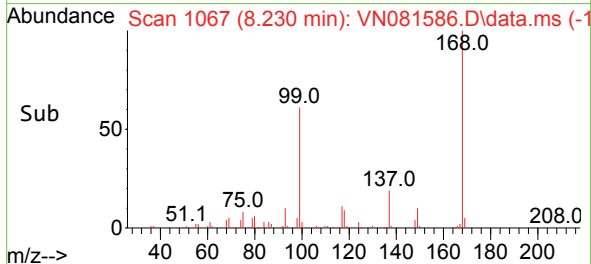
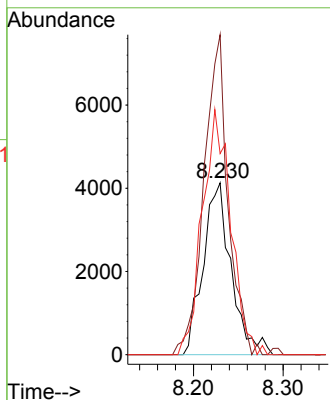
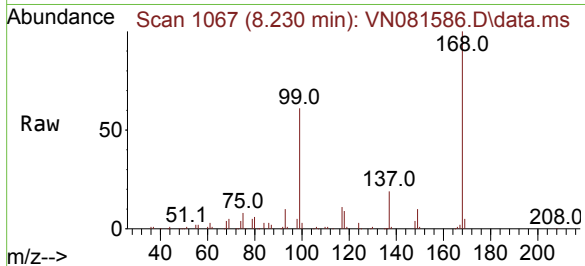




#31
Cyclohexane
Concen: 1.122 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN081586.D
Acq: 27 Mar 2024 15:33

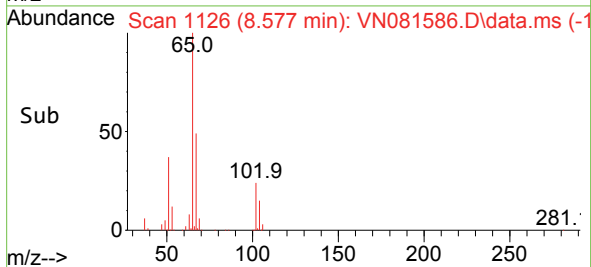
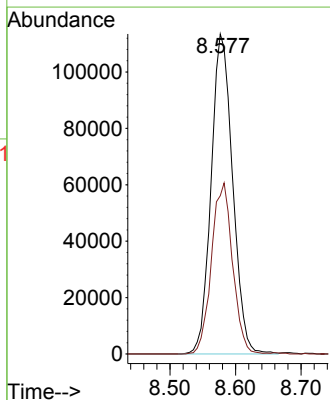
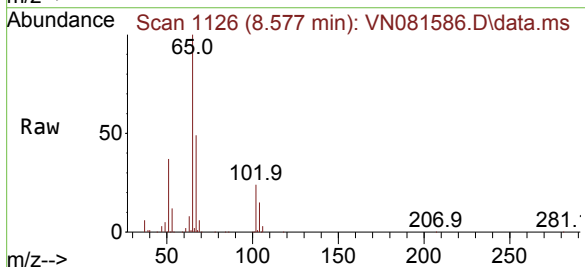
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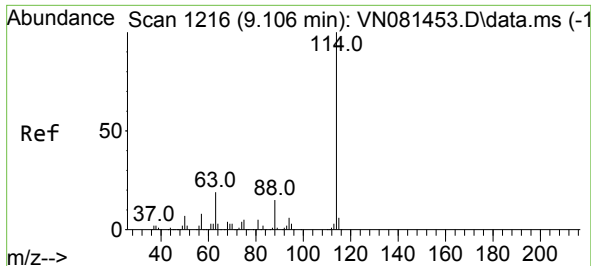
Tgt Ion: 56 Resp: 8956
Ion Ratio Lower Upper
56 100
69 182.5 20.1 30.1#
84 117.0 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 52.648 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN081586.D
Acq: 27 Mar 2024 15:33

Tgt Ion: 65 Resp: 258257
Ion Ratio Lower Upper
65 100
67 52.3 0.0 102.4

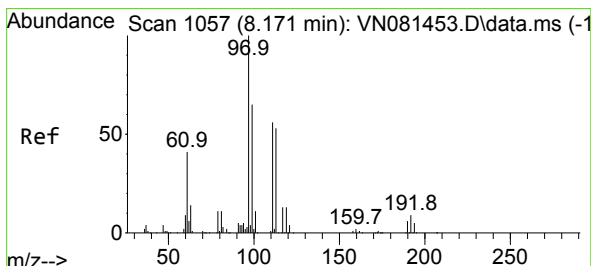
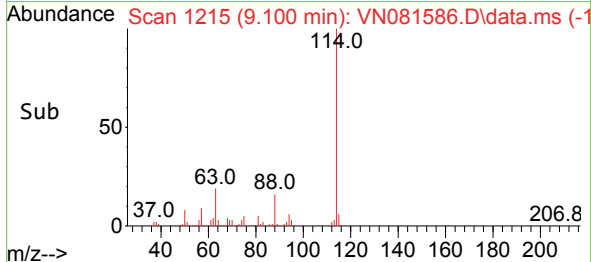
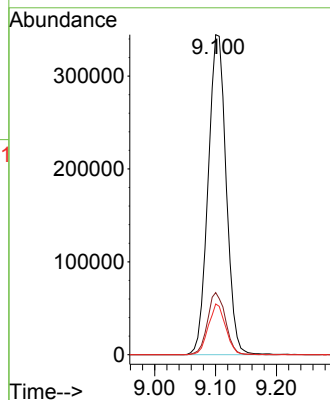
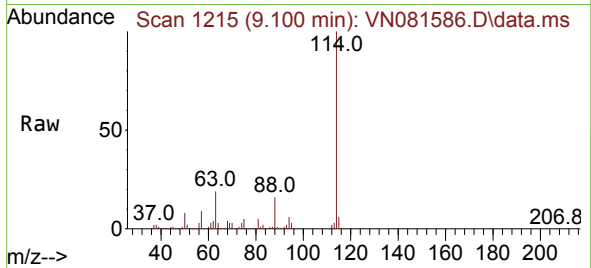




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN081586.D
Acq: 27 Mar 2024 15:33

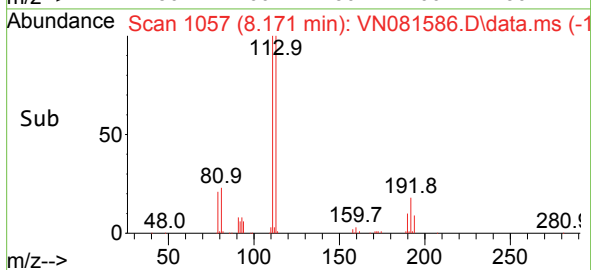
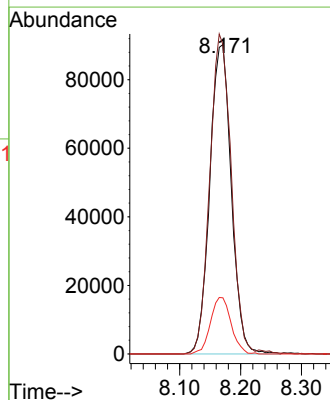
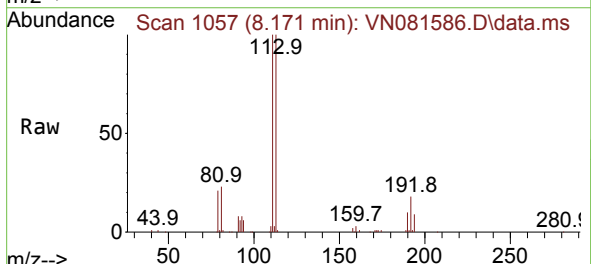
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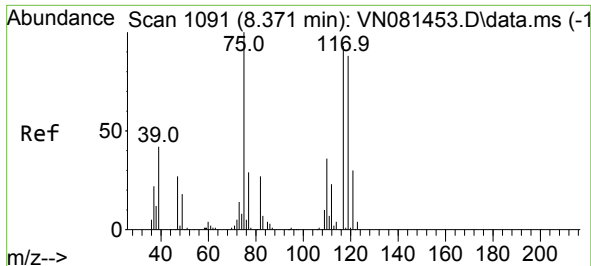
Tgt Ion:114 Resp: 708858
Ion Ratio Lower Upper
114 100
63 19.4 0.0 48.0
88 15.8 0.0 34.8



#35
Dibromofluoromethane
Concen: 49.536 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN081586.D
Acq: 27 Mar 2024 15:33

Tgt Ion:113 Resp: 221603
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.4
192 17.5 12.5 18.7





#36

1,1-Dichloropropene

Concen: 4.211 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN081586.D

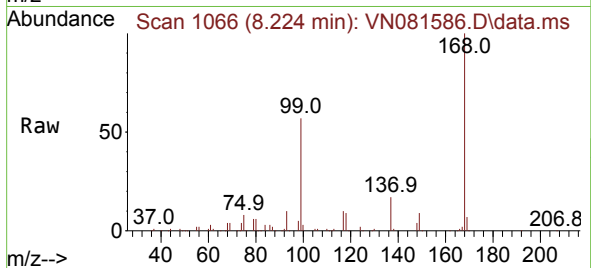
Acq: 27 Mar 2024 15:33

Instrument :

MSVOA_N

ClientSampleId :

PB159779ZHE#02



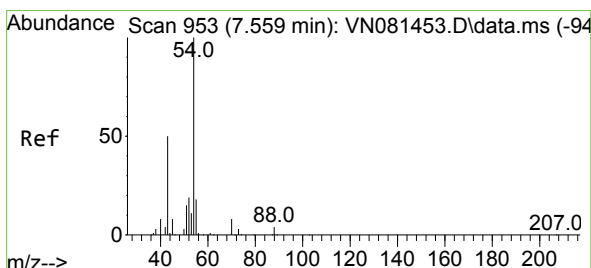
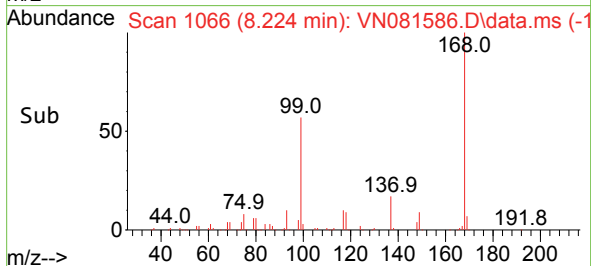
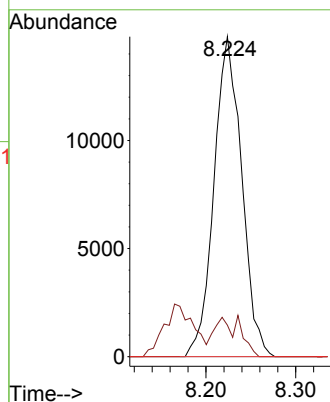
Tgt Ion: 75 Resp: 31706

Ion Ratio Lower Upper

75 100

110 4.4 16.0 48.0#

77 0.0 25.8 38.6#



#37

Ethyl Acetate

Concen: 0.973 ug/l

RT: 7.559 min Scan# 953

Delta R.T. 0.000 min

Lab File: VN081586.D

Acq: 27 Mar 2024 15:33

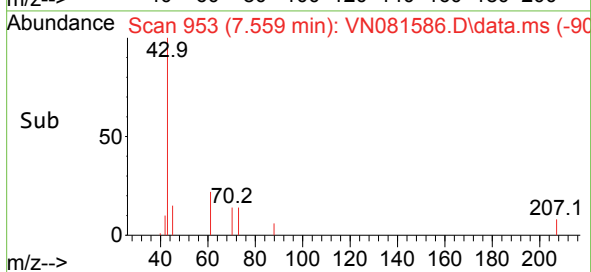
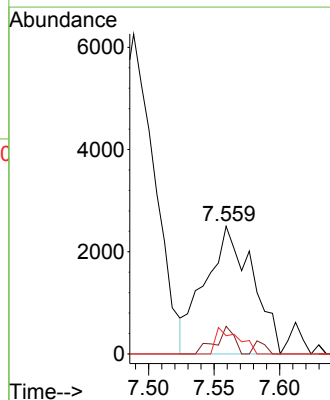
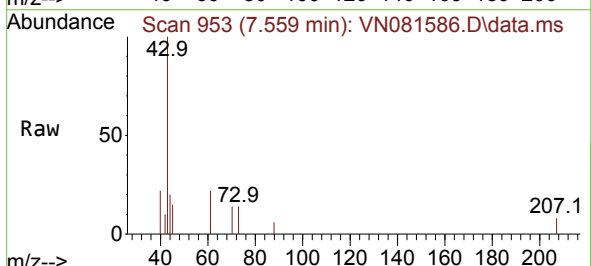
Tgt Ion: 43 Resp: 6272

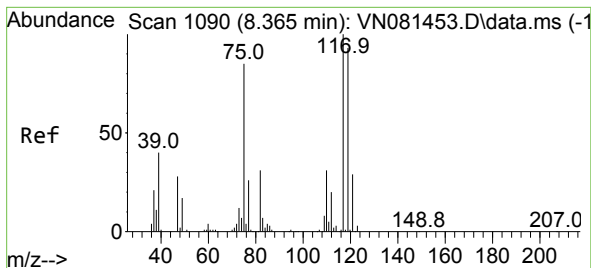
Ion Ratio Lower Upper

43 100

61 8.3 10.6 15.8#

70 9.9 8.0 12.0





#38

Carbon Tetrachloride

Concen: 5.091 ug/l

RT: 8.224 min Scan# 1106

Delta R.T. -0.141 min

Lab File: VN081586.D

Acq: 27 Mar 2024 15:33

Instrument :

MSVOA_N

ClientSampleId :

PB159779ZHE#02

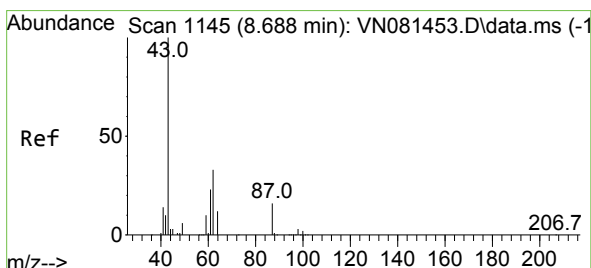
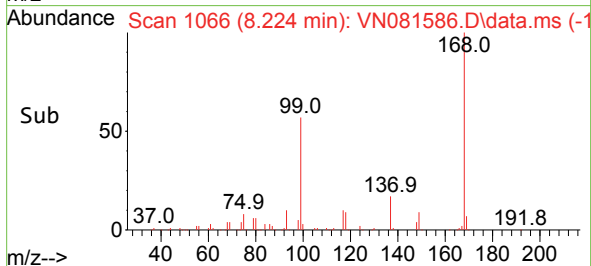
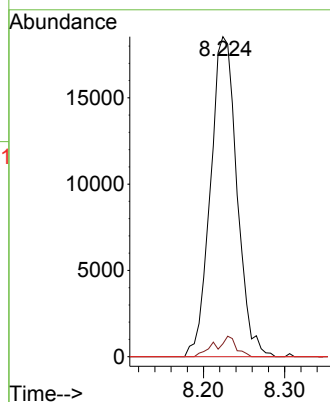
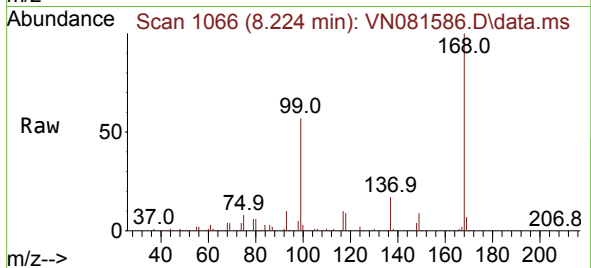
Tgt Ion:117 Resp: 41990

Ion Ratio Lower Upper

117 100

119 4.0 73.4 110.2#

121 0.0 24.4 36.6#



#43

Isopropyl Acetate

Concen: 35.054 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN081586.D

Acq: 27 Mar 2024 15:33

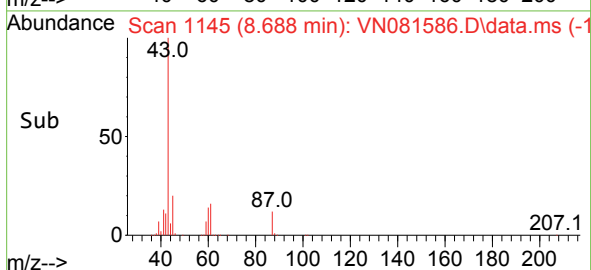
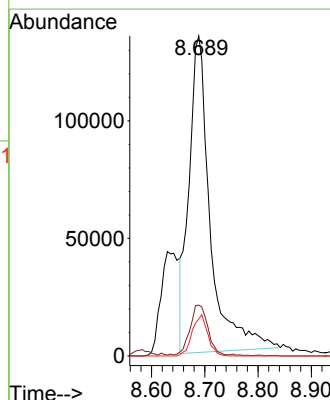
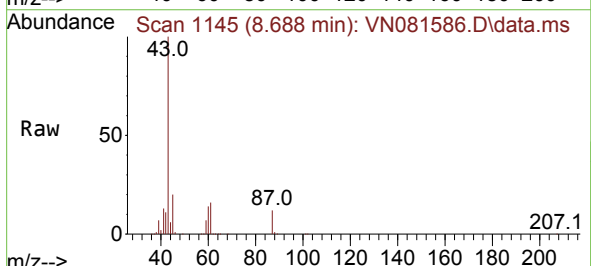
Tgt Ion: 43 Resp: 374590

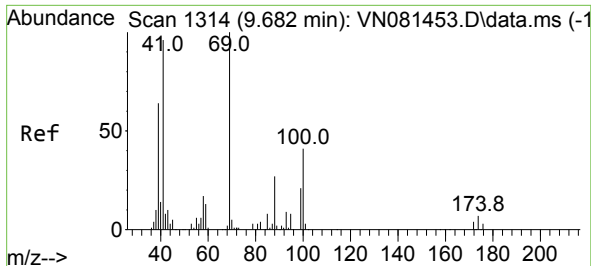
Ion Ratio Lower Upper

43 100

61 13.2 19.9 29.9#

87 9.4 9.0 13.6

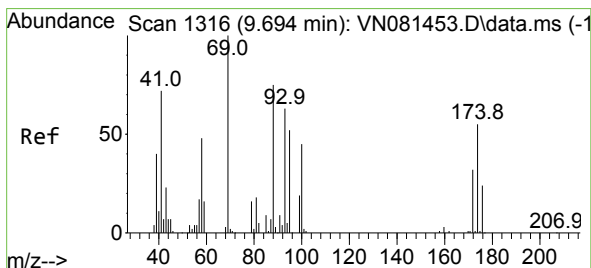
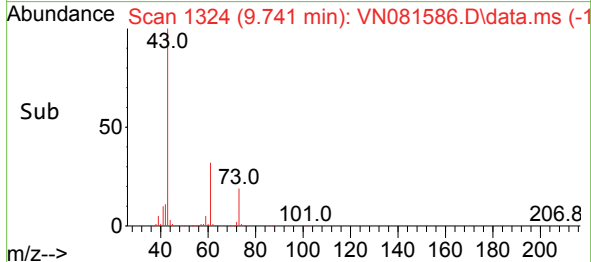
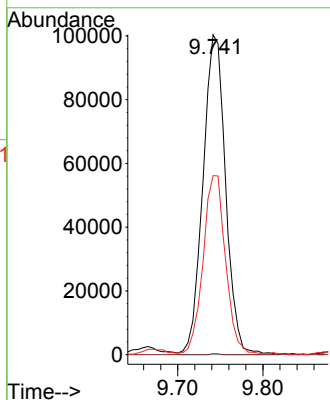
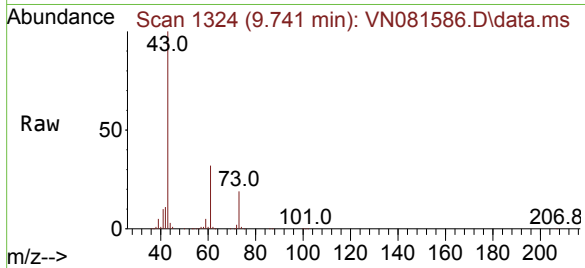




#48
Methyl methacrylate
Concen: 37.569 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN081586.D
Acq: 27 Mar 2024 15:33

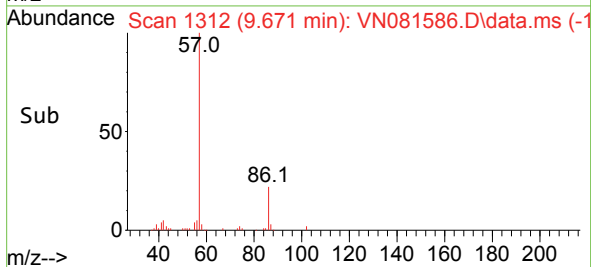
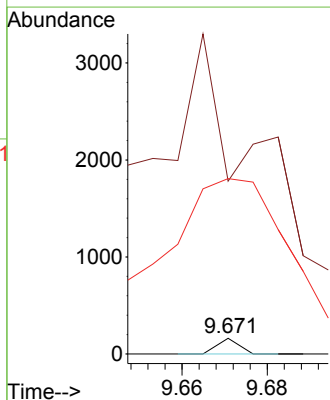
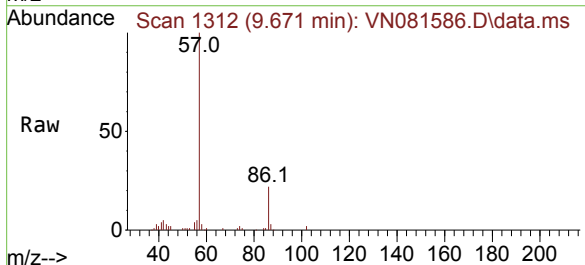
Instrument :
MSVOA_N
ClientSampleId :
PB159779ZHE#02

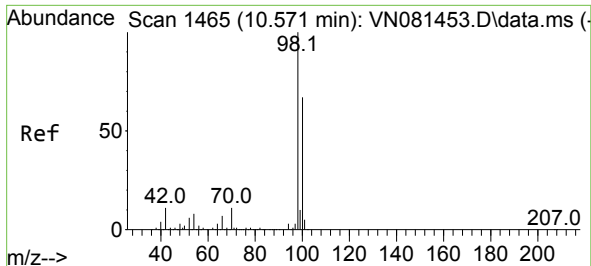
Tgt Ion: 41 Resp: 185174
Ion Ratio Lower Upper
41 100
69 0.1 62.2 93.2#
39 55.2 47.6 71.4



#49
1,4-Dioxane
Concen: 0.481 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.023 min
Lab File: VN081586.D
Acq: 27 Mar 2024 15:33

Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 6880.7 63.9 95.9#

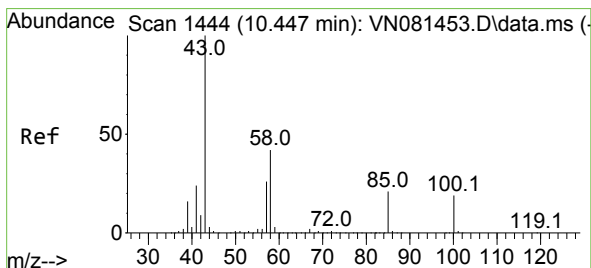
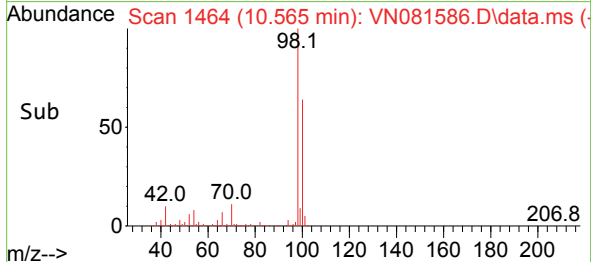
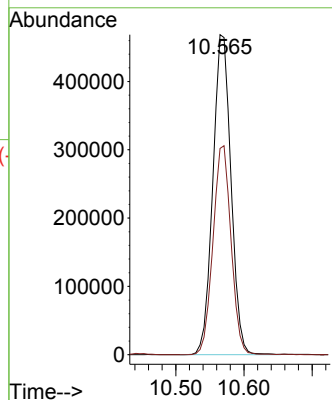
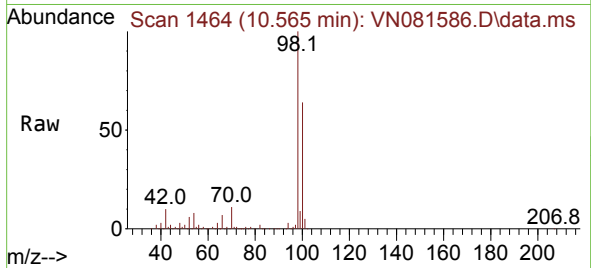




#50
Toluene-d8
Concen: 53.639 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN081586.D
Acq: 27 Mar 2024 15:33

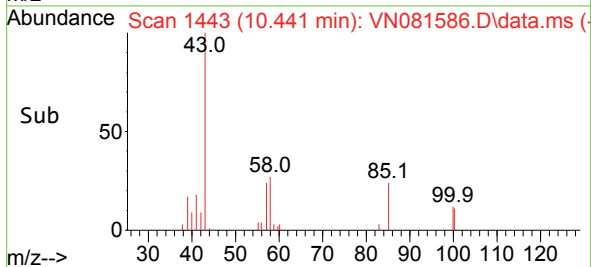
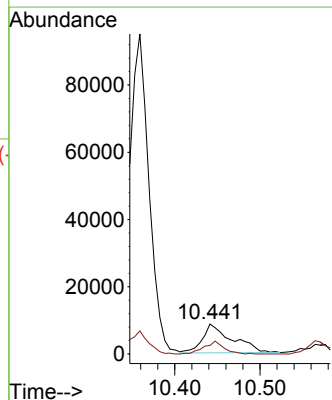
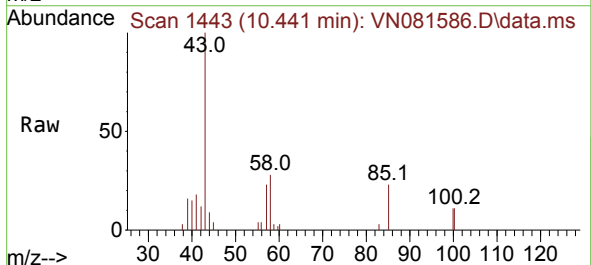
Instrument :
MSVOA_N
ClientSampleId :
PB159779ZHE#02

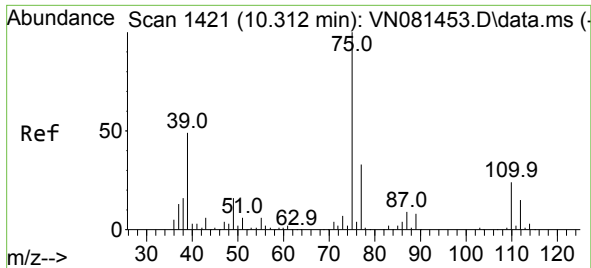
Tgt Ion: 98 Resp: 867431
Ion Ratio Lower Upper
98 100
100 65.0 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 3.189 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN081586.D
Acq: 27 Mar 2024 15:33

Tgt Ion: 43 Resp: 20793
Ion Ratio Lower Upper
43 100
58 29.4 29.4 44.0

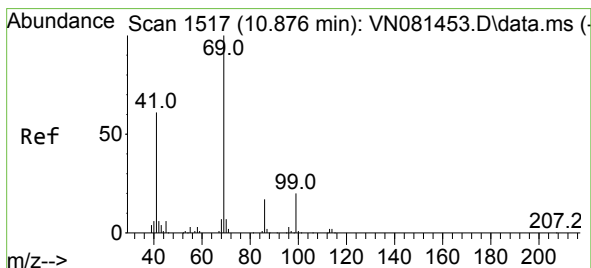
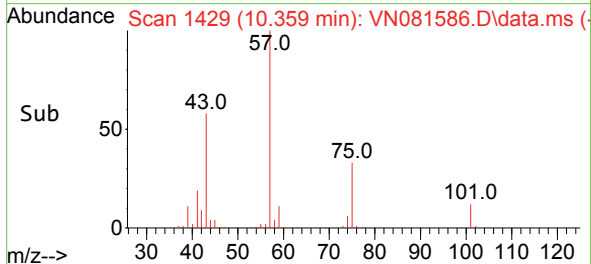
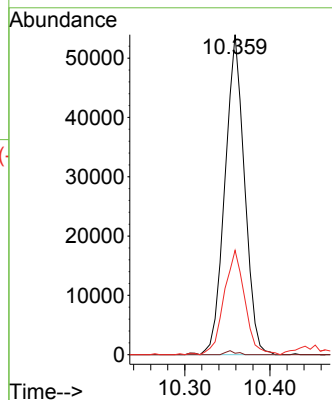
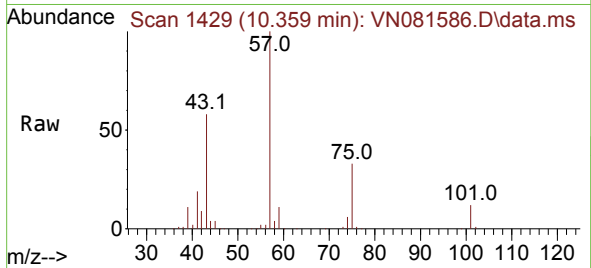




#54
 cis-1,3-Dichloropropene
 Concen: 9.408 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN081586.D
 Acq: 27 Mar 2024 15:33

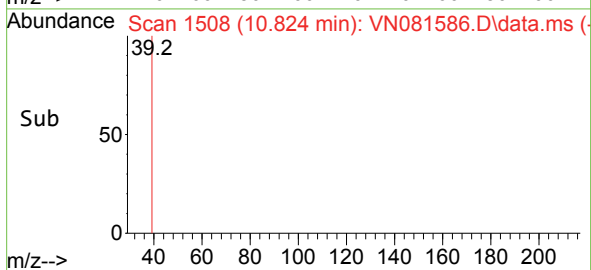
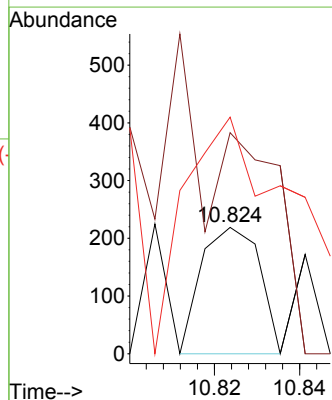
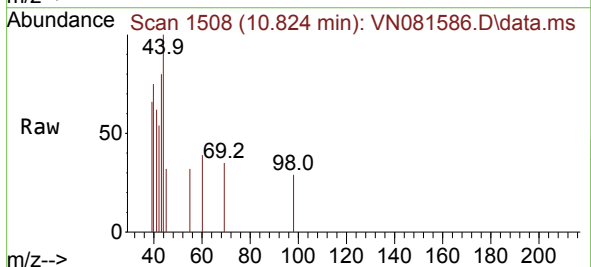
Instrument :
 MSVOA_N
 ClientSampleId :
 PB159779ZHE#02

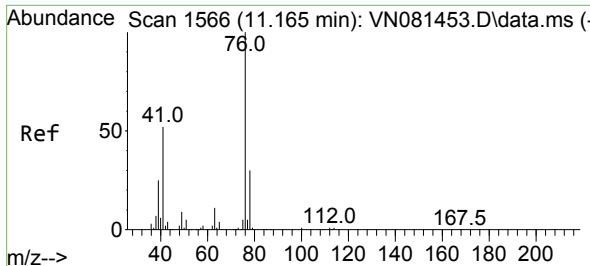
Tgt Ion: 75 Resp: 86265
 Ion Ratio Lower Upper
 75 100
 77 0.4 23.3 34.9#
 39 32.6 44.6 66.8#



#56
 Ethyl methacrylate
 Concen: 0.598 ug/l
 RT: 10.824 min Scan# 1508
 Delta R.T. -0.052 min
 Lab File: VN081586.D
 Acq: 27 Mar 2024 15:33

Tgt Ion: 69 Resp: 209
 Ion Ratio Lower Upper
 69 100
 41 0.0 61.0 91.6#
 39 0.0 31.8 47.6#





#57

1,3-Dichloropropane

Concen: 1.177 ug/l

RT: 11.200 min Scan# 1567

Delta R.T. 0.036 min

Lab File: VN081586.D

Acq: 27 Mar 2024 15:33

Instrument :

MSVOA_N

ClientSampleId :

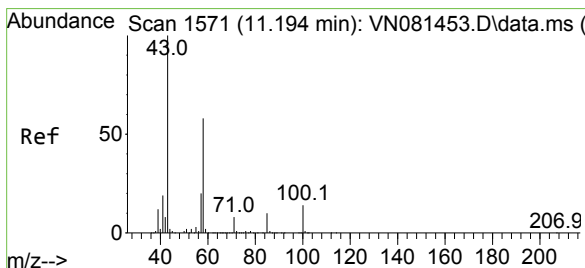
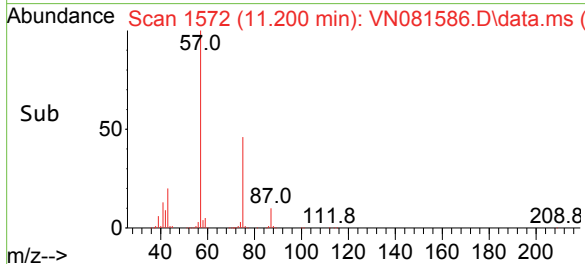
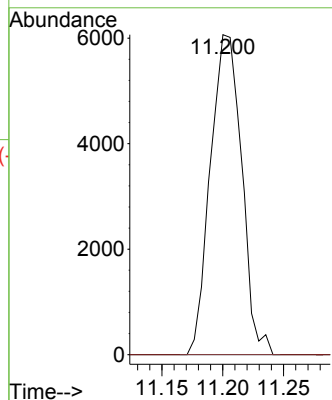
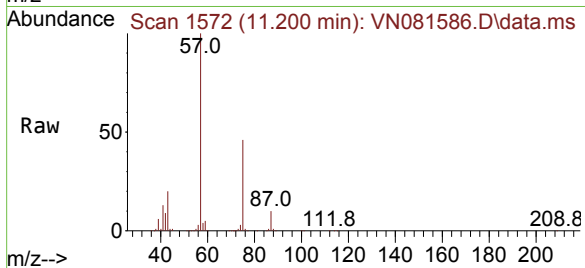
PB159779ZHE#02

Tgt Ion: 76 Resp: 10866

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 37.153 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.023 min

Lab File: VN081586.D

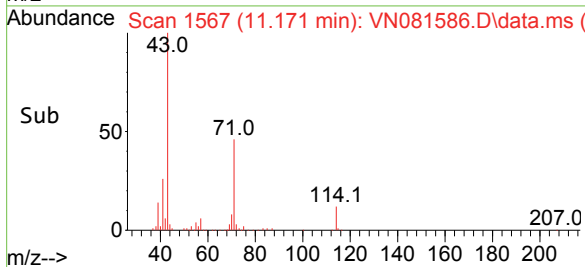
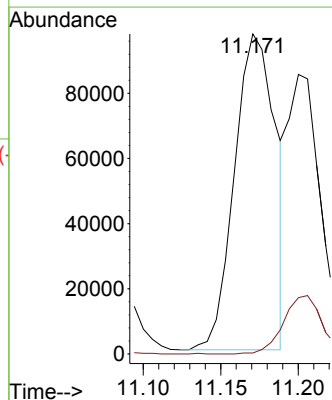
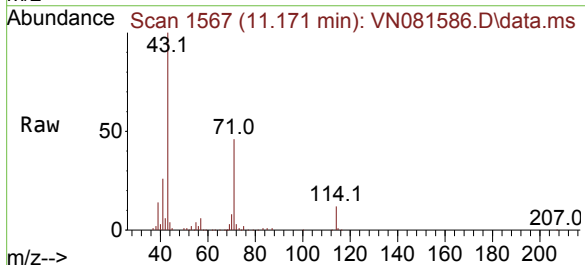
Acq: 27 Mar 2024 15:33

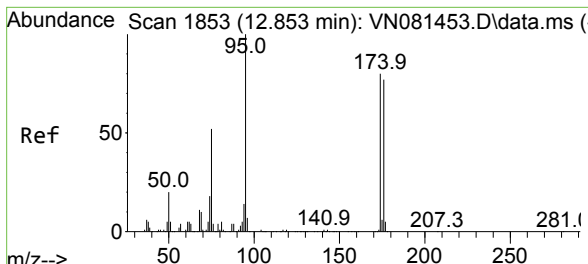
Tgt Ion: 43 Resp: 179110

Ion Ratio Lower Upper

43 100

58 0.0 25.9 77.8#

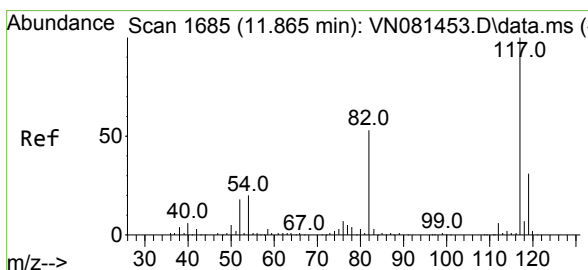
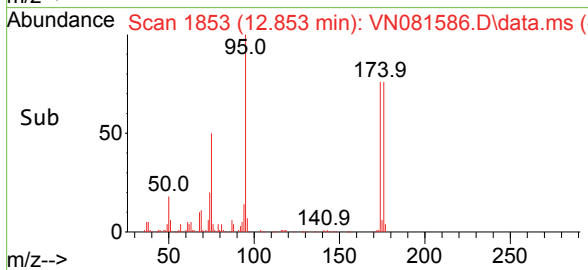
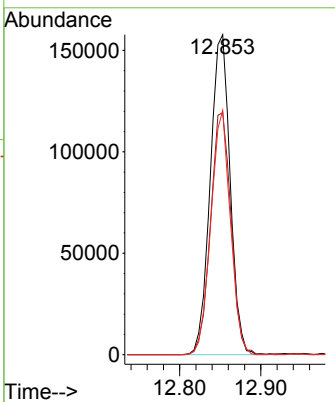
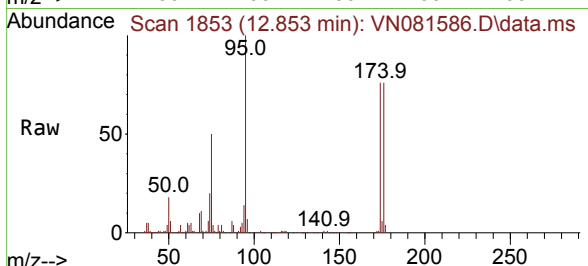




#62
4-Bromofluorobenzene
Concen: 47.214 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN081586.D
Acq: 27 Mar 2024 15:33

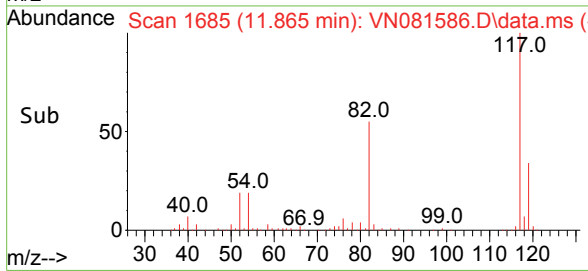
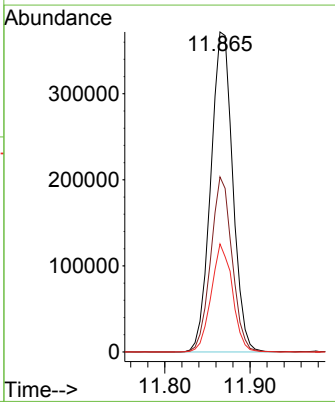
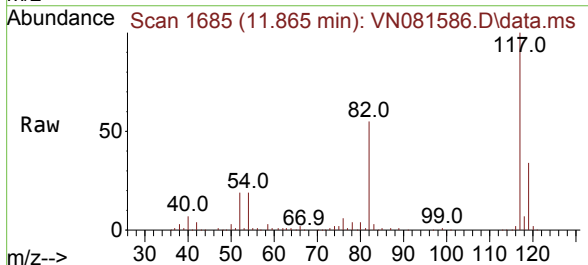
Instrument :
MSVOA_N
ClientSampleId :
PB159779ZHE#02

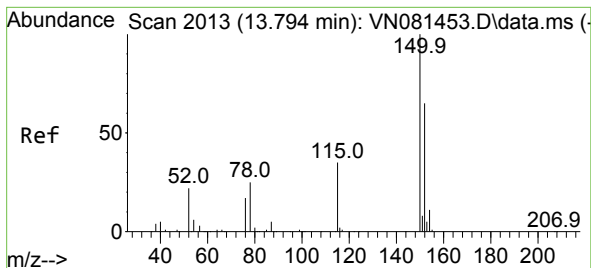
Tgt Ion:	95	Resp:	269039
Ion	Ratio	Lower	Upper
95	100		
174	78.0	0.0	120.4
176	74.5	0.0	121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN081586.D
Acq: 27 Mar 2024 15:33

Tgt Ion:	117	Resp:	667056
Ion	Ratio	Lower	Upper
117	100		
82	54.7	52.7	79.1
119	33.8	25.3	37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN081586.D

Acq: 27 Mar 2024 15:33

Instrument :

MSVOA_N

ClientSampleId :

PB159779ZHE#02

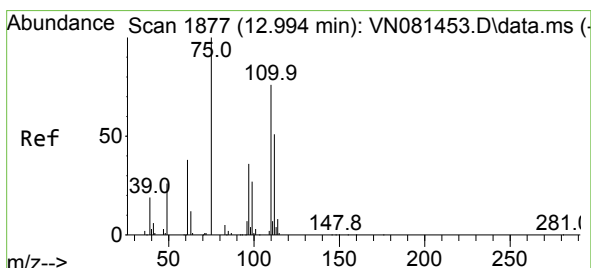
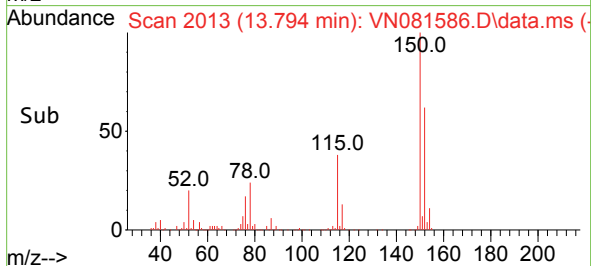
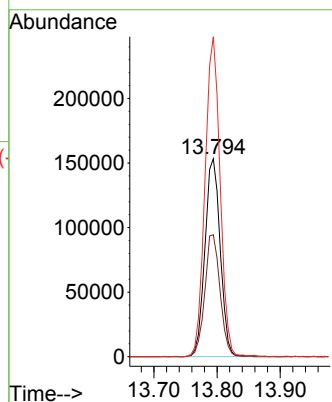
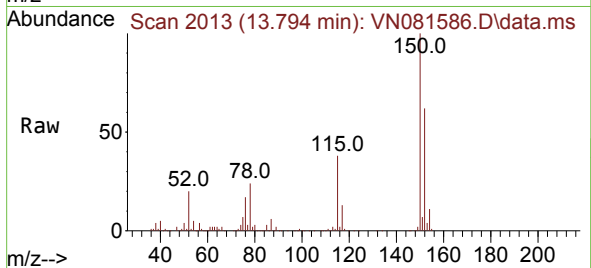
Tgt Ion:152 Resp: 258138

Ion Ratio Lower Upper

152 100

115 61.4 32.3 96.8

150 158.9 0.0 339.8



#76

1,2,3-Trichloropropane

Concen: 22.921 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN081586.D

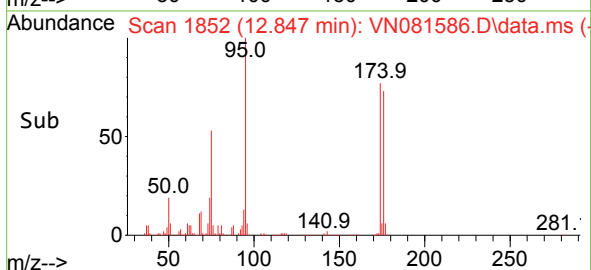
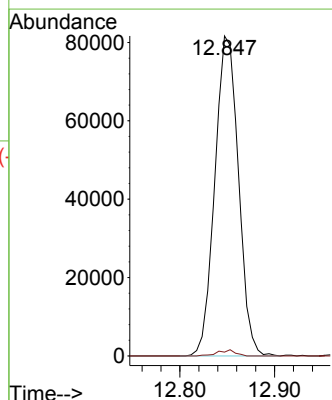
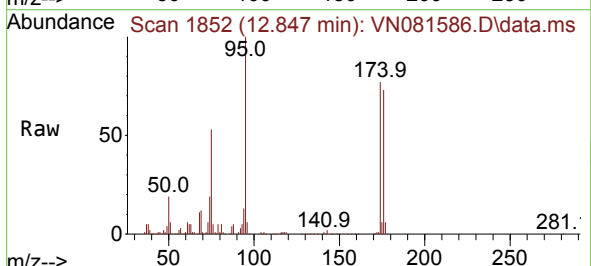
Acq: 27 Mar 2024 15:33

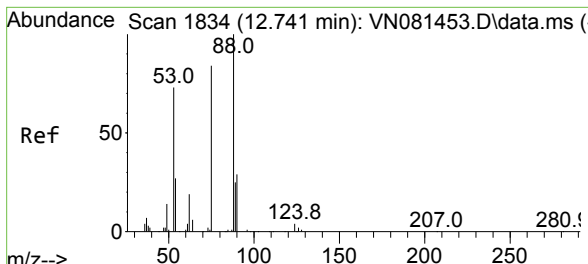
Tgt Ion: 75 Resp: 141530

Ion Ratio Lower Upper

75 100

77 1.4 91.0 272.8#

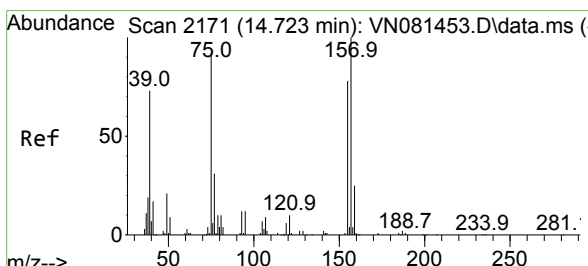
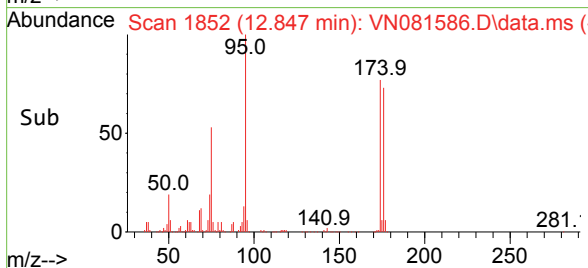
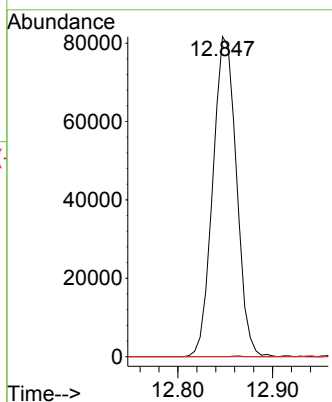
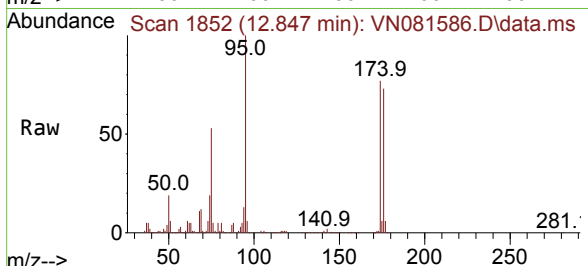




#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.939 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN081586.D
 Acq: 27 Mar 2024 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 PB159779ZHE#02

Tgt Ion: 75 Resp: 141530
 Ion Ratio Lower Upper
 75 100
 53 0.1 71.4 107.2#
 89 0.0 33.4 50.0#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.374 ug/l
 RT: 14.706 min Scan# 2168
 Delta R.T. -0.017 min
 Lab File: VN081586.D
 Acq: 27 Mar 2024 15:33

Tgt Ion: 75 Resp: 515
 Ion Ratio Lower Upper
 75 100
 155 0.0 31.8 95.4#
 157 0.0 41.1 123.4#

