

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032724\
 Data File : VN081591.D
 Acq On : 27 Mar 2024 17:32
 Operator : JC\MD
 Sample : PB159779ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB159779ZHE#07

Quant Time: Mar 28 01:30:31 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)

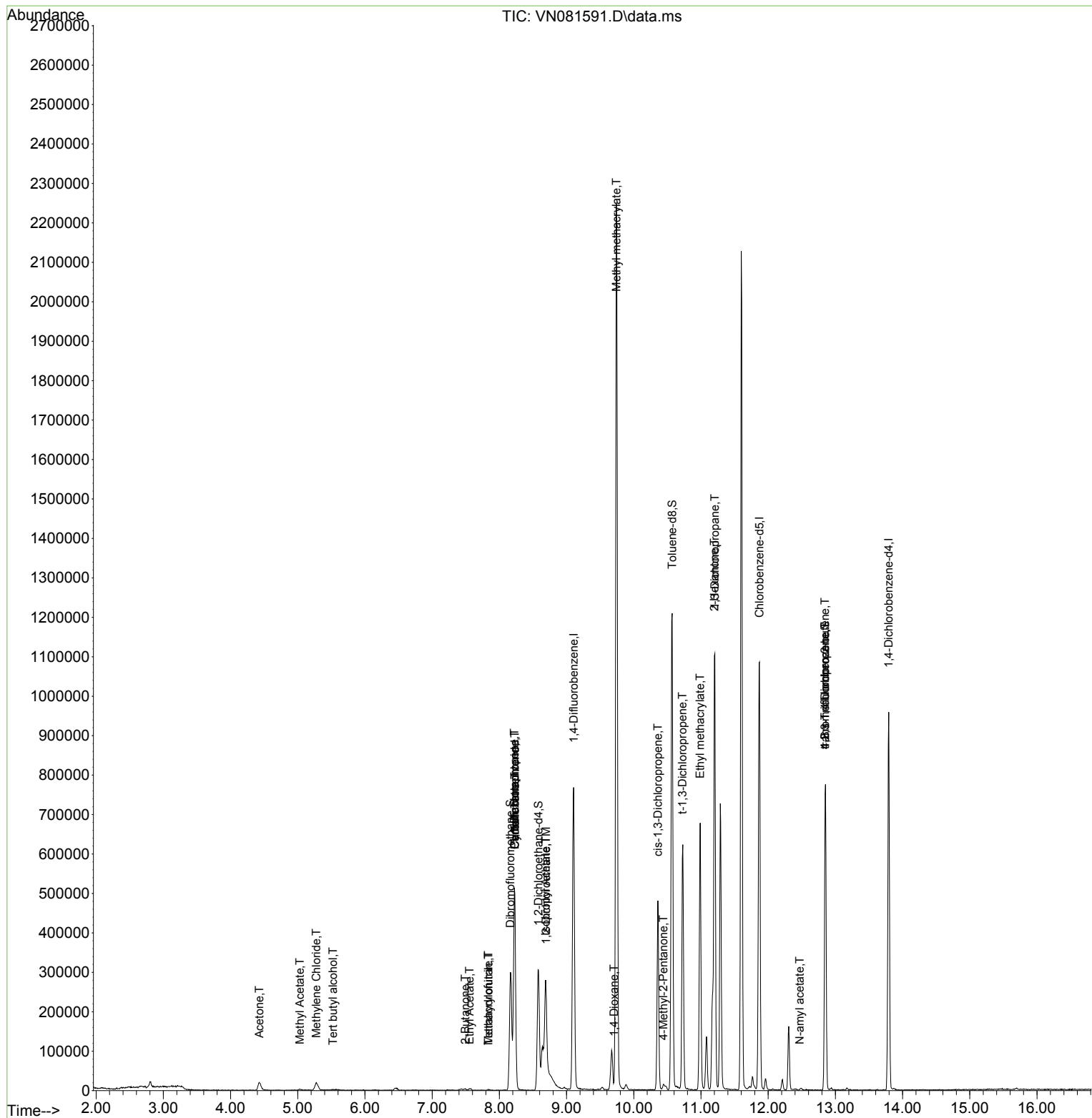
Internal Standards						
1) Pentafluorobenzene	8.230	168	361376	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	682443	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	652541	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	246127	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	248622	53.948	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.900%	
35) Dibromofluoromethane	8.165	113	217198	50.430	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.860%	
50) Toluene-d8	10.571	98	851177	54.671	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 109.340%	
62) 4-Bromofluorobenzene	12.847	95	266258	48.535	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 97.060%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.524	59	162	0.202	ug/l	# 72
16) Acetone	4.430	43	38263	25.691	ug/l	96
18) Methyl Acetate	5.030	43	4230	0.921	ug/l	# 90
20) Methylene Chloride	5.277	84	15499	3.177	ug/l	# 83
25) 2-Butanone	7.494	43	5869	2.297	ug/l	# 66
29) Tetrahydrofuran	7.835	42	609	0.354	ug/l	# 68
31) Cyclohexane	8.230	56	8684	1.158	ug/l	# 1
36) 1,1-Dichloropropene	8.224	75	31284	4.316	ug/l	# 50
37) Ethyl Acetate	7.559	43	6478	1.044	ug/l	# 91
38) Carbon Tetrachloride	8.230	117	41464	5.222	ug/l	# 20
41) Methacrylonitrile	7.835	41	756	0.230	ug/l	# 33
42) 1,2-Dichloroethane	8.694	62	2330	0.312	ug/l	# 75
43) Isopropyl Acetate	8.688	43	421574	40.978	ug/l	# 81
48) Methyl methacrylate	9.741	41	204949	43.191	ug/l	# 47
49) 1,4-Dioxane	9.706	88	78	0.684	ug/l	# 18
51) 4-Methyl-2-Pentanone	10.441	43	8063	1.284	ug/l	91
53) t-1,3-Dichloropropene	10.724	75	1696	0.206	ug/l	# 43
54) cis-1,3-Dichloropropene	10.359	75	86480	9.796	ug/l	# 59
56) Ethyl methacrylate	10.988	69	3676	1.070	ug/l	# 1
57) 1,3-Dichloropropane	11.206	76	11928	1.342	ug/l	# 43
59) 2-Hexanone	11.200	43	134929	29.071	ug/l	# 57
74) N-amyl acetate	12.470	43	2544	0.335	ug/l	# 46
76) 1,2,3-Trichloropropane	12.847	75	140828	23.920	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.847	75	140828	64.639	ug/l	# 14

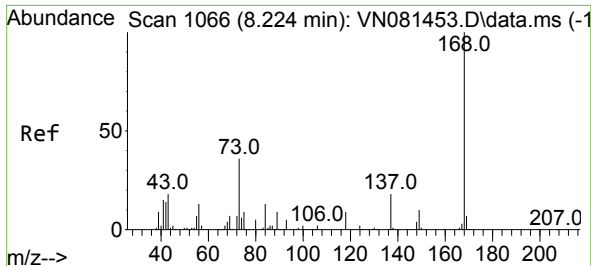
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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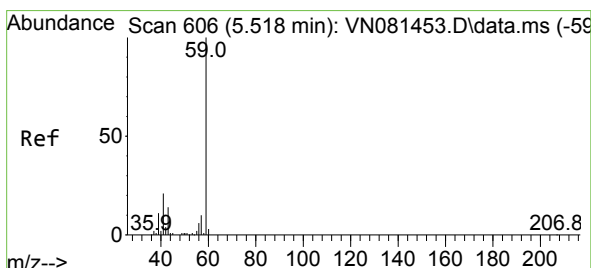
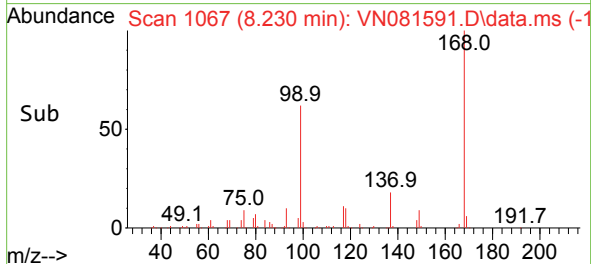
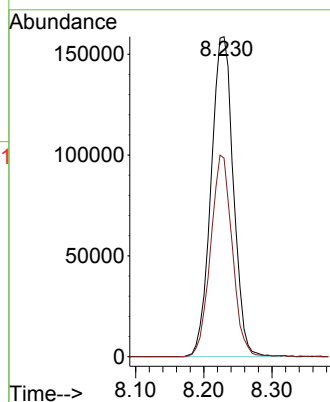
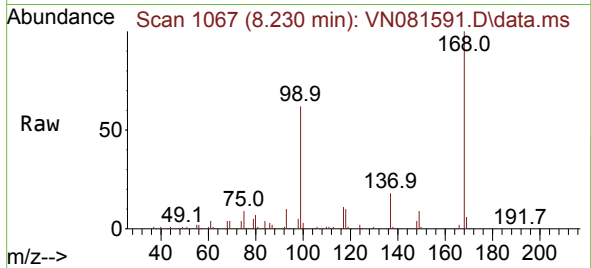




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN081591.D
Acq: 27 Mar 2024 17:32

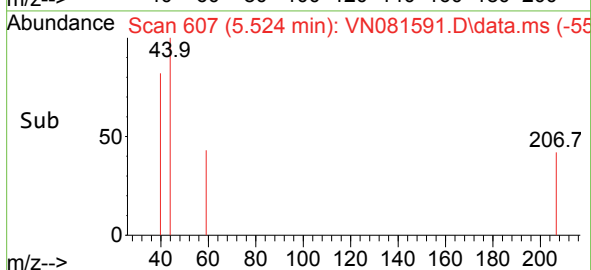
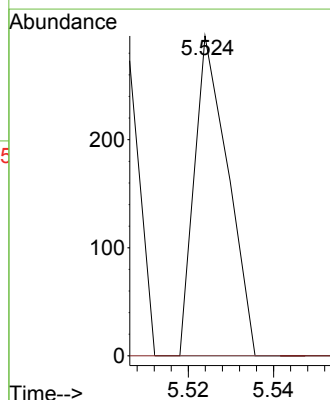
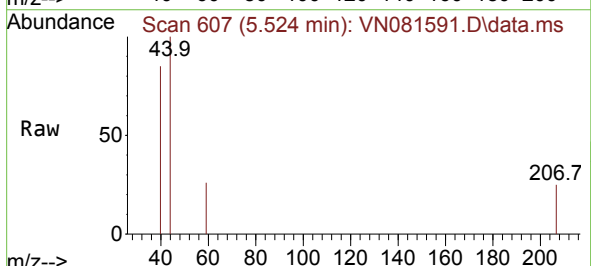
Instrument :
MSVOA_N
ClientSampleId :
PB159779ZHE#07

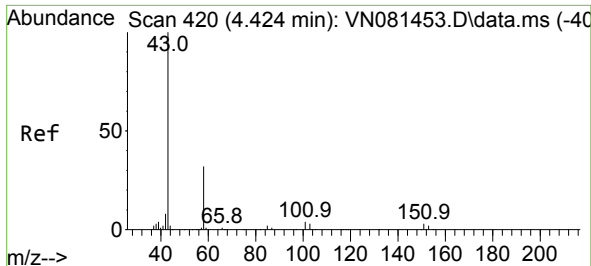
Tgt Ion:168 Resp: 361376
Ion Ratio Lower Upper
168 100
99 62.0 59.9 89.9



#11
Tert butyl alcohol
Concen: 0.202 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN081591.D
Acq: 27 Mar 2024 17:32

Tgt Ion: 59 Resp: 162
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

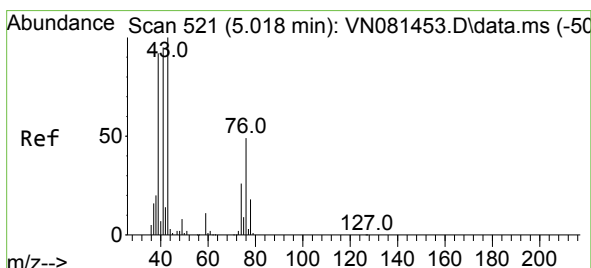
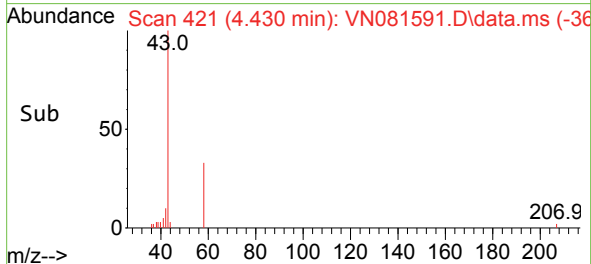
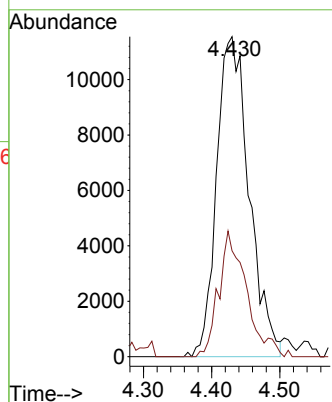
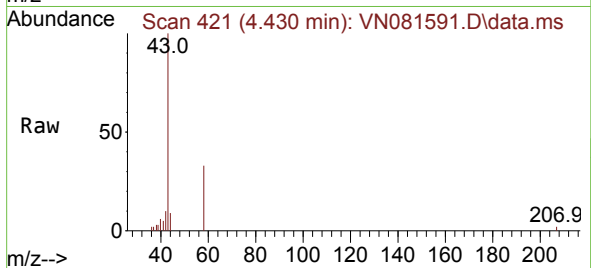




#16
Acetone
Concen: 25.691 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN081591.D
Acq: 27 Mar 2024 17:32

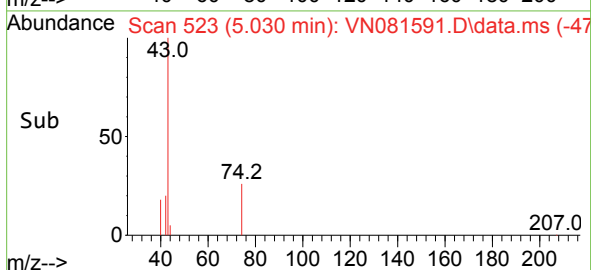
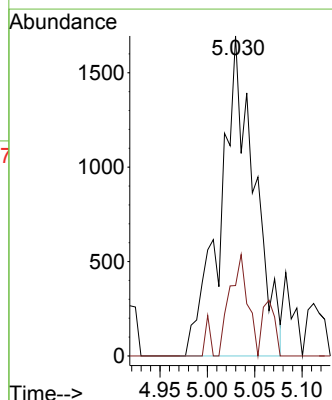
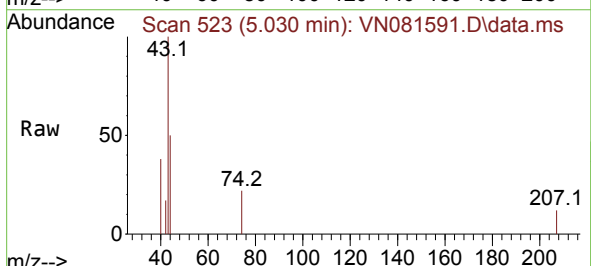
Instrument :
MSVOA_N
ClientSampleId :
PB159779ZHE#07

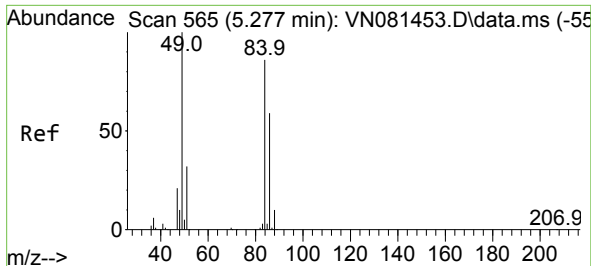
Tgt Ion: 43 Resp: 38263
Ion Ratio Lower Upper
43 100
58 33.1 24.8 37.2



#18
Methyl Acetate
Concen: 0.921 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN081591.D
Acq: 27 Mar 2024 17:32

Tgt Ion: 43 Resp: 4230
Ion Ratio Lower Upper
43 100
74 16.7 17.3 25.9#





#20

Methylene Chloride

Concen: 3.177 ug/l

RT: 5.277 min Scan# 5

Delta R.T. 0.000 min

Lab File: VN081591.D

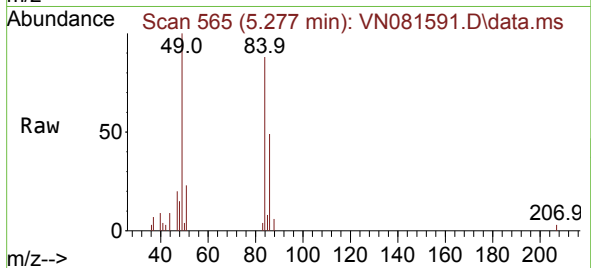
Acq: 27 Mar 2024 17:32

Instrument :

MSVOA_N

ClientSampleId :

PB159779ZHE#07



Tgt Ion: 84 Resp: 15499

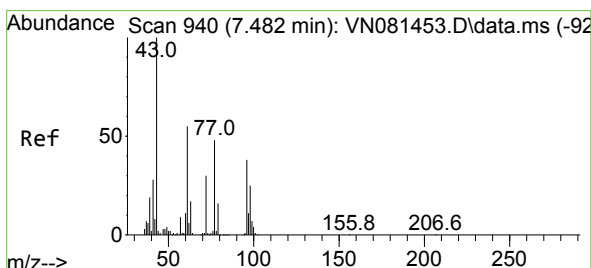
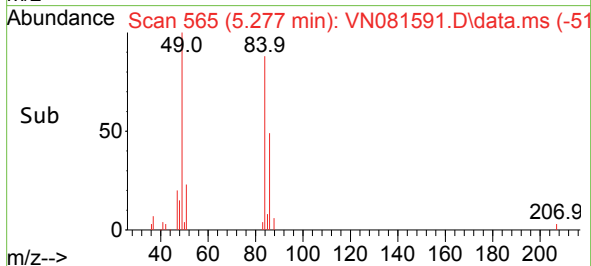
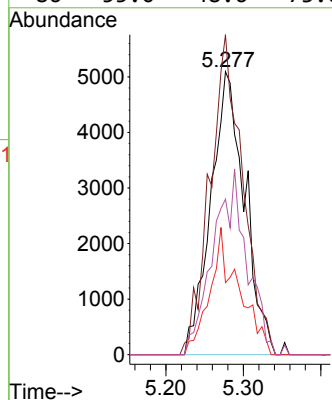
Ion Ratio Lower Upper

84 100

49 113.0 108.1 162.1

51 25.5 32.9 49.3#

86 55.0 48.6 73.0



#25

2-Butanone

Concen: 2.297 ug/l

RT: 7.494 min Scan# 942

Delta R.T. 0.012 min

Lab File: VN081591.D

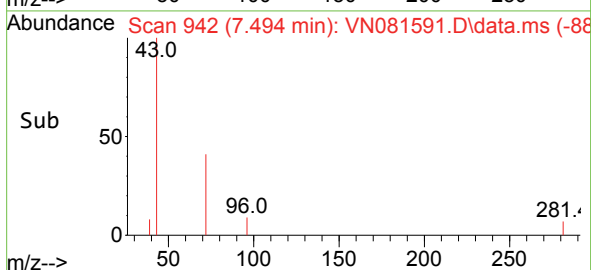
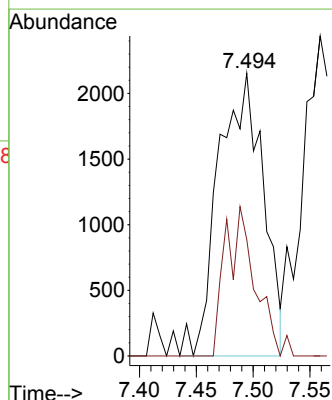
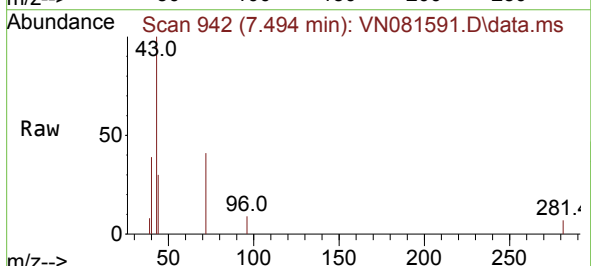
Acq: 27 Mar 2024 17:32

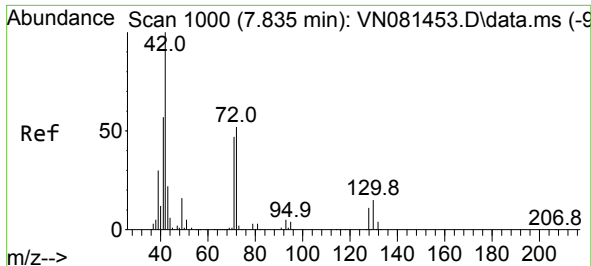
Tgt Ion: 43 Resp: 5869

Ion Ratio Lower Upper

43 100

72 41.2 19.5 29.3#





#29

Tetrahydrofuran

Concen: 0.354 ug/l

RT: 7.835 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VN081591.D

Acq: 27 Mar 2024 17:32

Instrument :

MSVOA_N

ClientSampleId :

PB159779ZHE#07

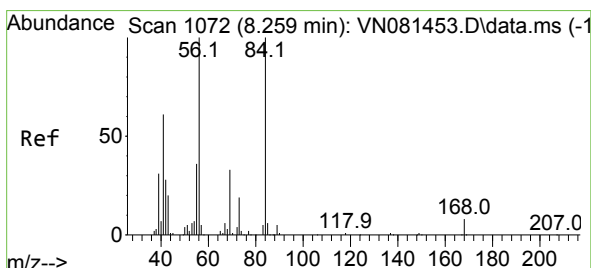
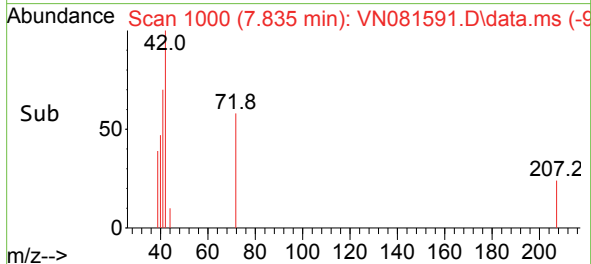
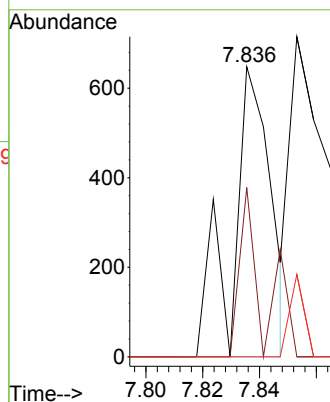
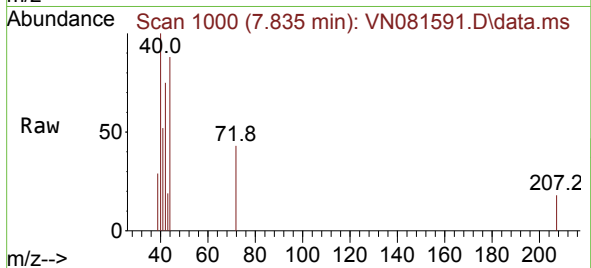
Tgt Ion: 42 Resp: 609

Ion Ratio Lower Upper

42 100

72 35.8 31.1 46.7

71 0.0 28.3 42.5#



#31

Cyclohexane

Concen: 1.158 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.029 min

Lab File: VN081591.D

Acq: 27 Mar 2024 17:32

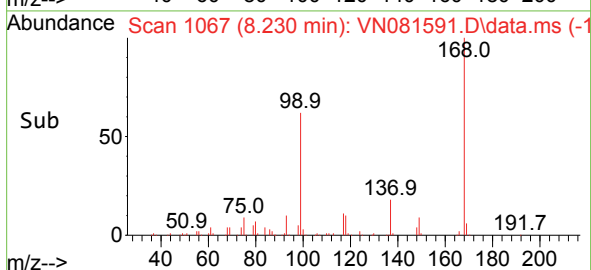
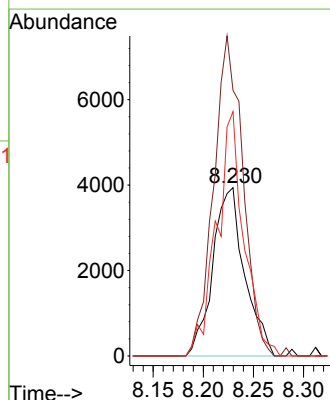
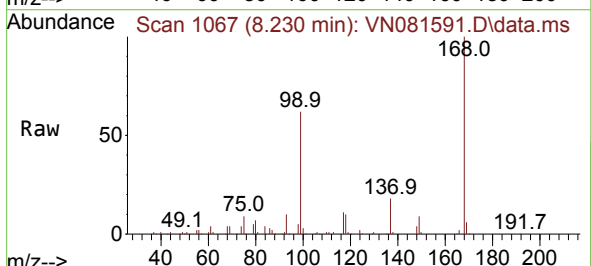
Tgt Ion: 56 Resp: 8684

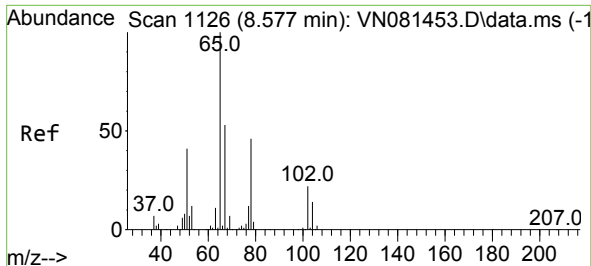
Ion Ratio Lower Upper

56 100

69 157.9 20.1 30.1#

84 145.2 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 53.948 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN081591.D

Acq: 27 Mar 2024 17:32

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ClientSampleId :

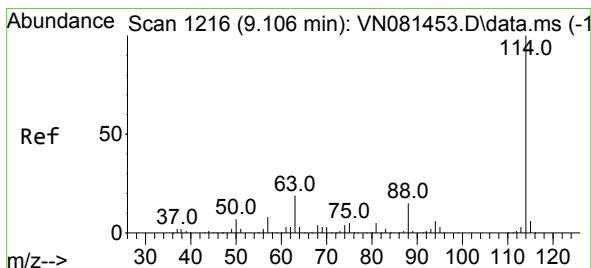
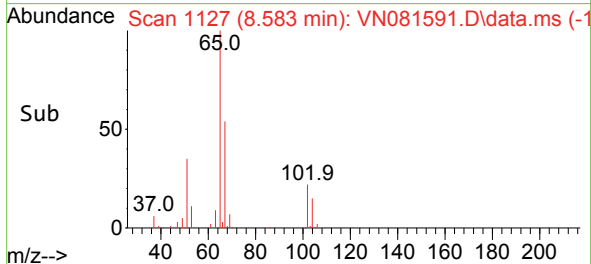
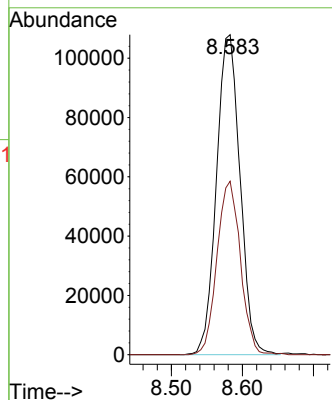
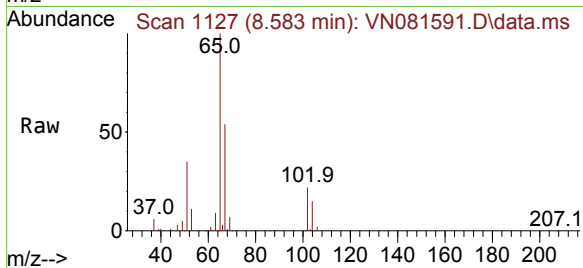
PB159779ZHE#07

Tgt Ion: 65 Resp: 248622

Ion Ratio Lower Upper

65 100

67 53.8 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN081591.D

Acq: 27 Mar 2024 17:32

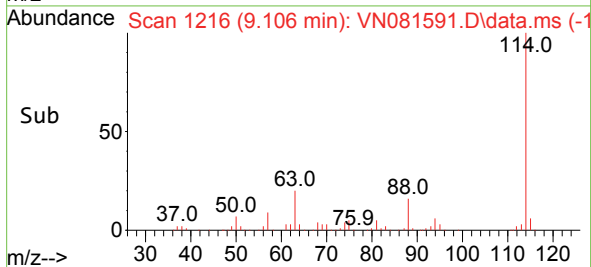
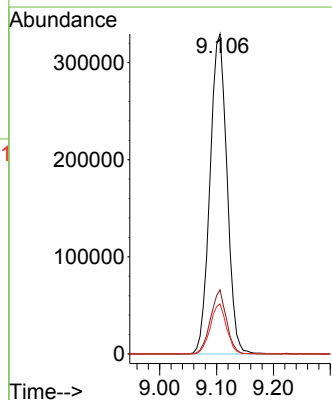
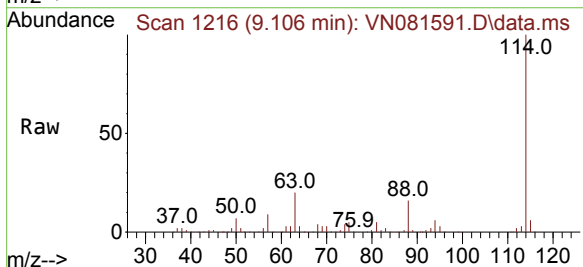
Tgt Ion: 114 Resp: 682443

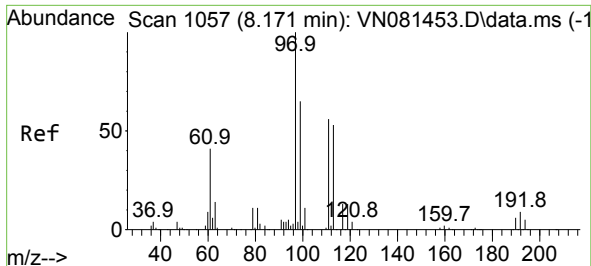
Ion Ratio Lower Upper

114 100

63 20.1 0.0 48.0

88 15.7 0.0 34.8

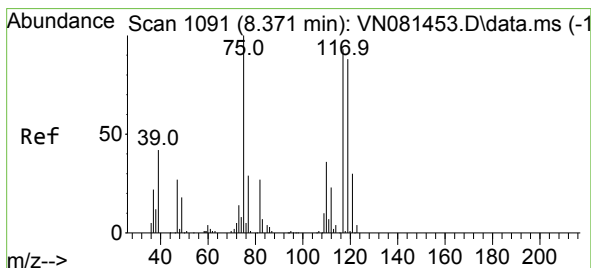
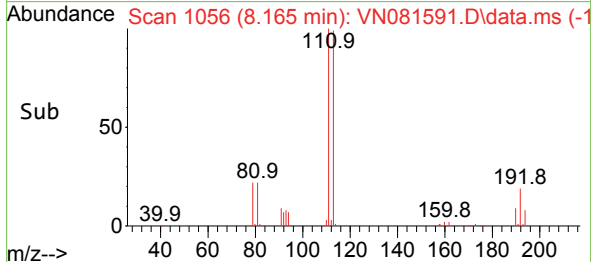
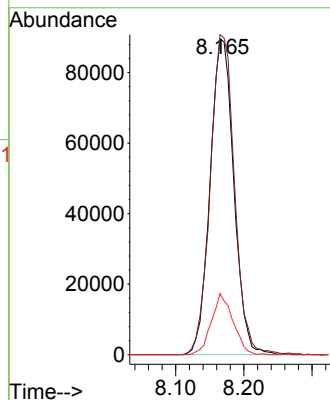
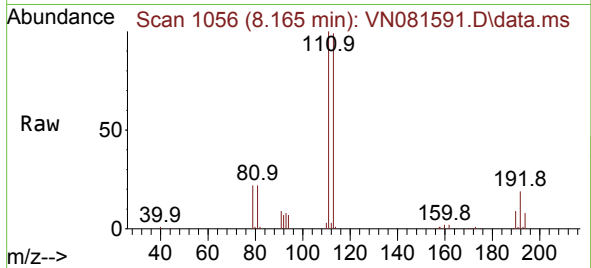




#35
Dibromofluoromethane
Concen: 50.430 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN081591.D
Acq: 27 Mar 2024 17:32

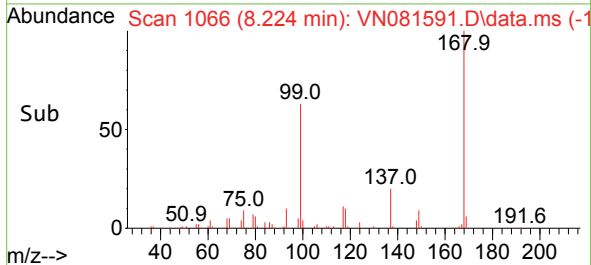
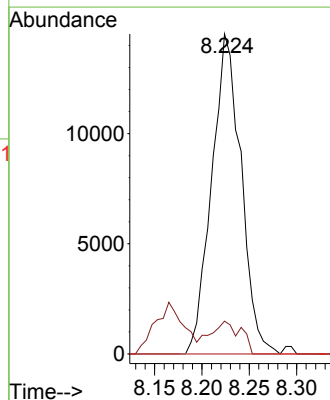
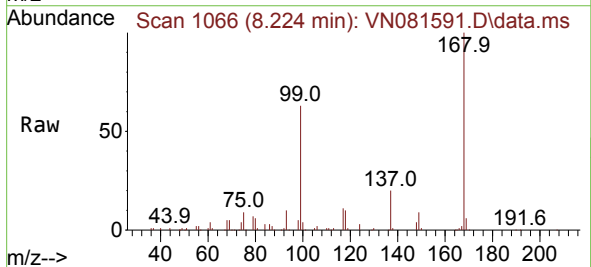
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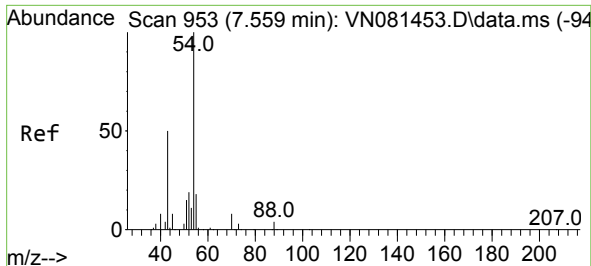
Tgt Ion:113 Resp: 217198
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.4
192 17.7 12.5 18.7



#36
1,1-Dichloropropene
Concen: 4.316 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081591.D
Acq: 27 Mar 2024 17:32

Tgt Ion: 75 Resp: 31284
Ion Ratio Lower Upper
75 100
110 8.9 16.0 48.0#
77 0.0 25.8 38.6#

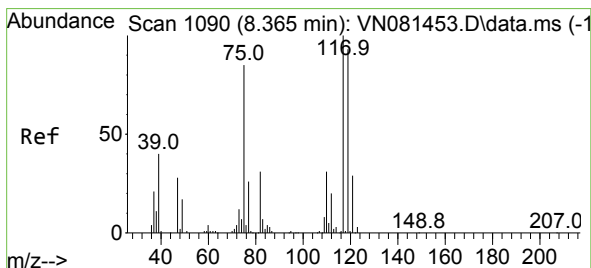
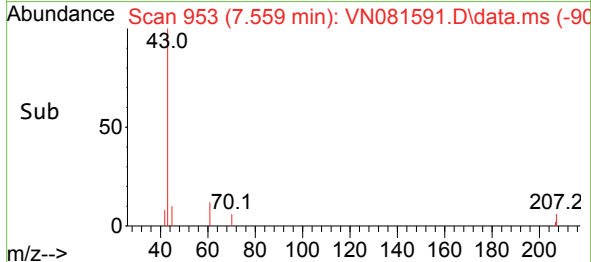
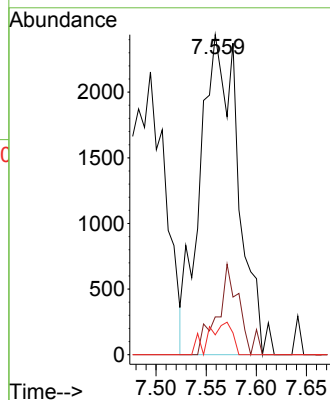
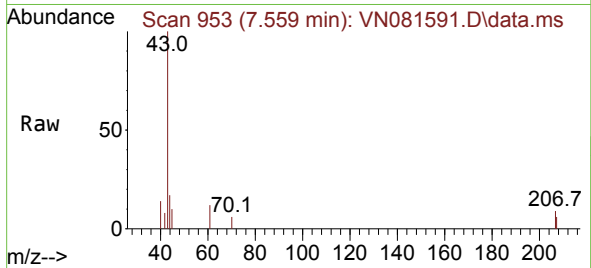




#37
Ethyl Acetate
Concen: 1.044 ug/l
RT: 7.559 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN081591.D
Acq: 27 Mar 2024 17:32

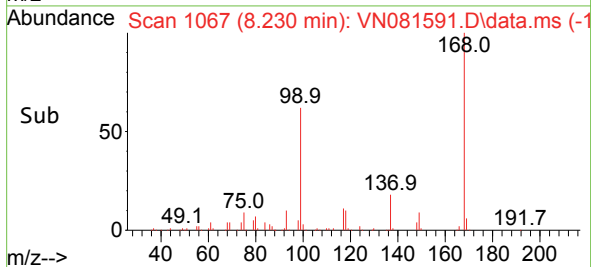
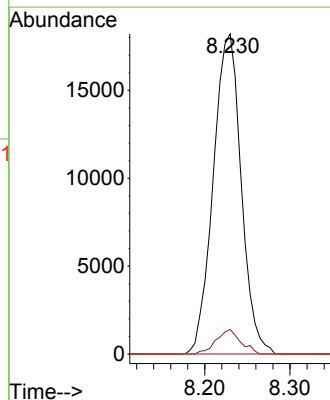
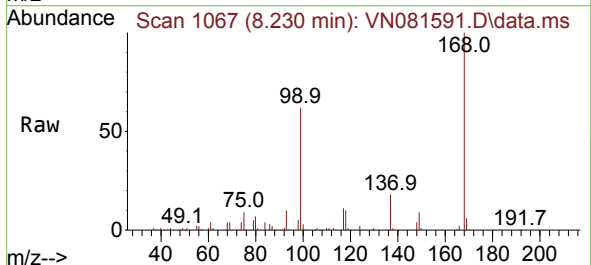
Instrument :
MSVOA_N
ClientSampleId :
PB159779ZHE#07

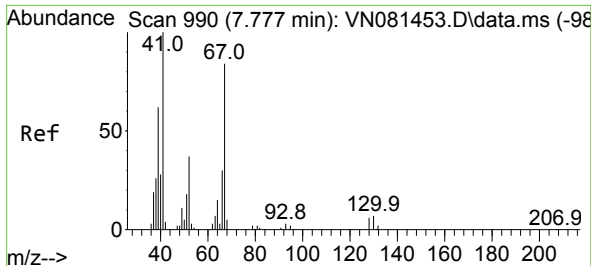
Tgt Ion: 43 Resp: 6478
Ion Ratio Lower Upper
43 100
61 16.2 10.6 15.8#
70 6.3 8.0 12.0#



#38
Carbon Tetrachloride
Concen: 5.222 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN081591.D
Acq: 27 Mar 2024 17:32

Tgt Ion: 117 Resp: 41464
Ion Ratio Lower Upper
117 100
119 7.7 73.4 110.2#
121 0.0 24.4 36.6#

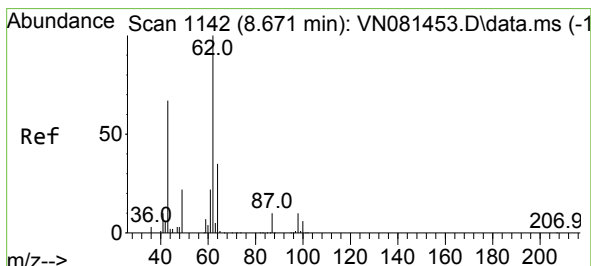
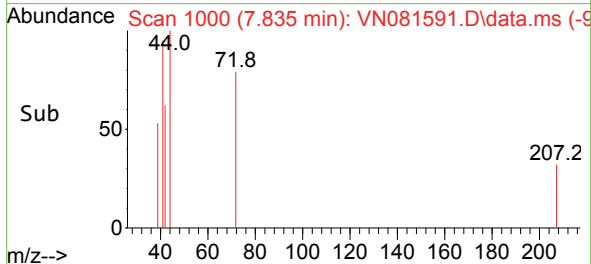
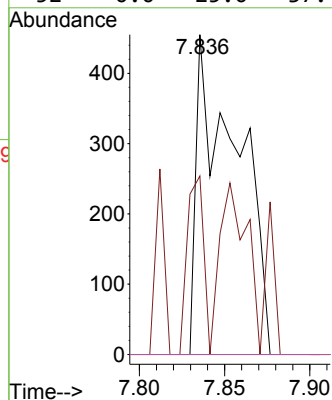
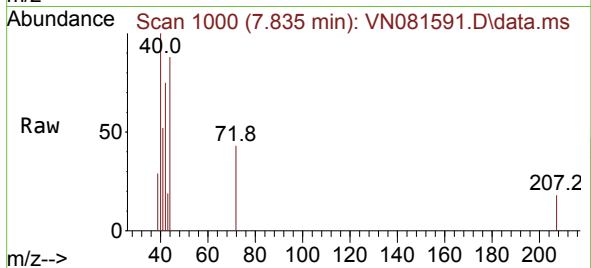




#41
Methacrylonitrile
Concen: 0.230 ug/l
RT: 7.835 min Scan# 1000
Delta R.T. 0.059 min
Lab File: VN081591.D
Acq: 27 Mar 2024 17:32

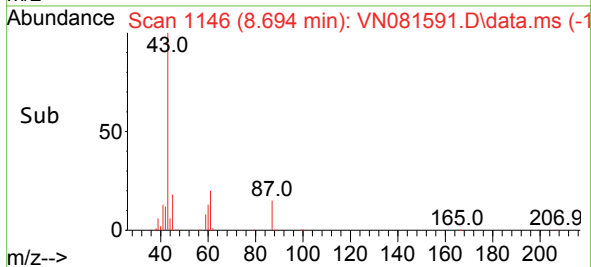
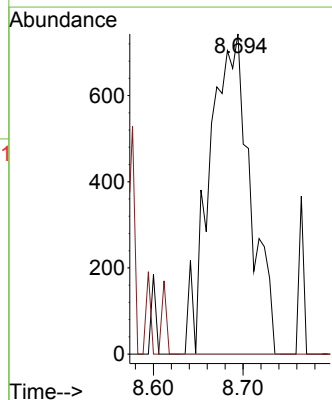
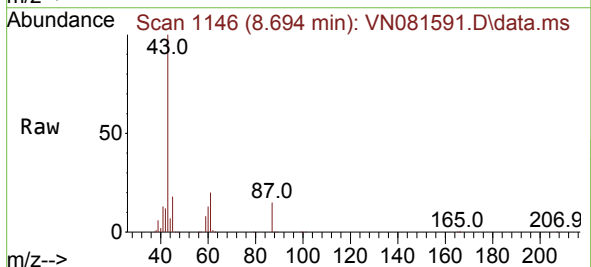
Instrument :
MSVOA_N
ClientSampleId :
PB159779ZHE#07

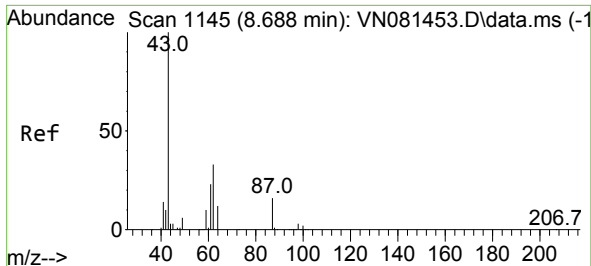
Tgt Ion:	41	Resp:	756
Ion	Ratio	Lower	Upper
41	100		
39	22.5	48.4	72.6#
67	0.0	56.8	85.2#
52	0.0	25.0	37.4#



#42
1,2-Dichloroethane
Concen: 0.312 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.024 min
Lab File: VN081591.D
Acq: 27 Mar 2024 17:32

Tgt Ion:	62	Resp:	2330
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	18.0

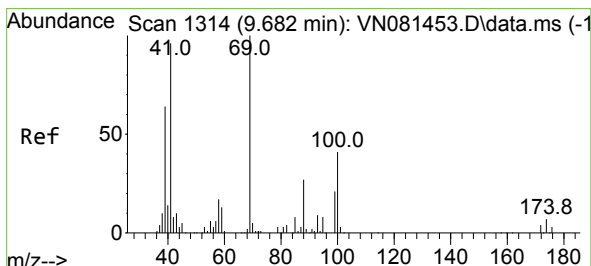
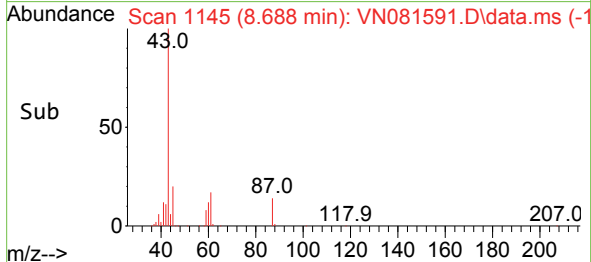
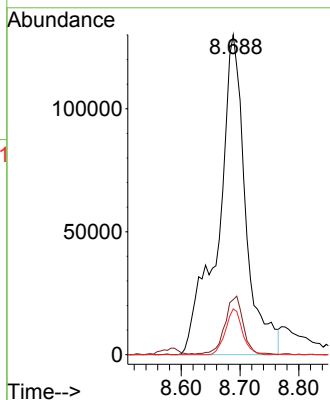
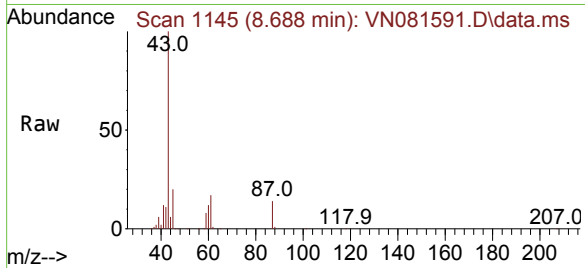




#43
Isopropyl Acetate
Concen: 40.978 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN081591.D
Acq: 27 Mar 2024 17:32

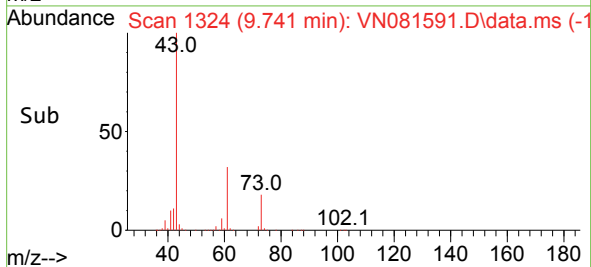
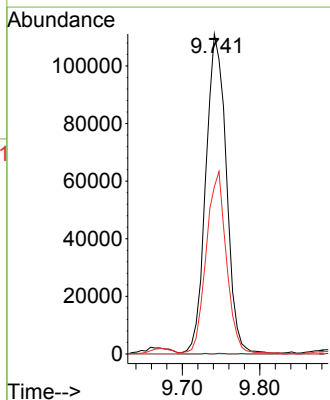
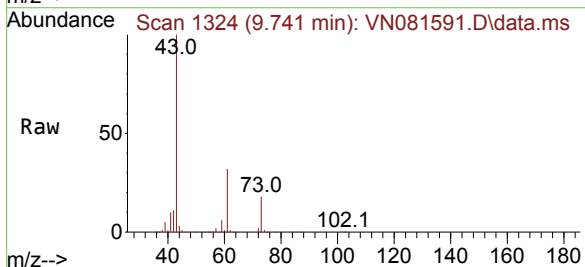
Instrument :
MSVOA_N
ClientSampleId :
PB159779ZHE#07

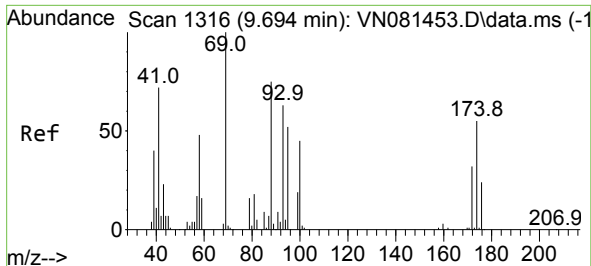
Tgt Ion: 43 Resp: 421574
Ion Ratio Lower Upper
43 100
61 12.3 19.9 29.9#
87 8.8 9.0 13.6#



#48
Methyl methacrylate
Concen: 43.191 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.059 min
Lab File: VN081591.D
Acq: 27 Mar 2024 17:32

Tgt Ion: 41 Resp: 204949
Ion Ratio Lower Upper
41 100
69 0.1 62.2 93.2#
39 56.3 47.6 71.4





#49

1,4-Dioxane

Concen: 0.684 ug/l

RT: 9.706 min Scan# 11

Delta R.T. 0.012 min

Lab File: VN081591.D

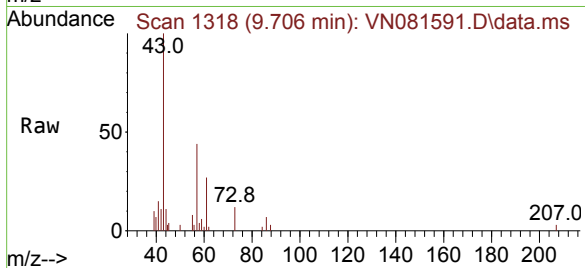
Acq: 27 Mar 2024 17:32

Instrument :

MSVOA_N

ClientSampleId :

PB159779ZHE#07



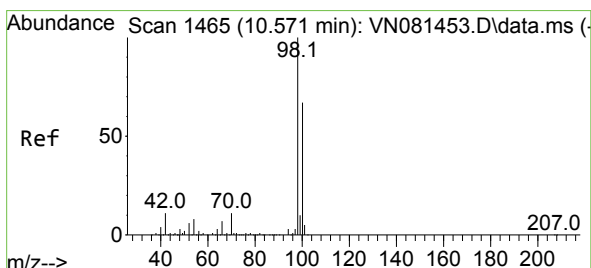
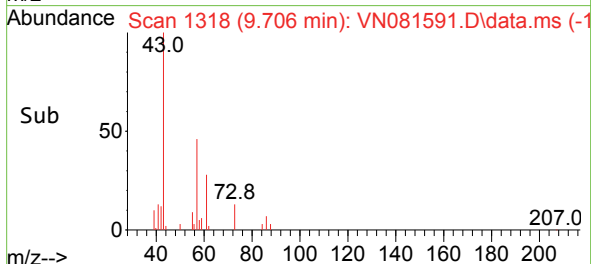
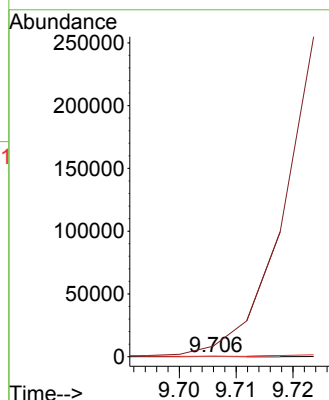
Tgt Ion: 88 Resp: 78

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 0.0 63.9 95.9#



#50

Toluene-d8

Concen: 54.671 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN081591.D

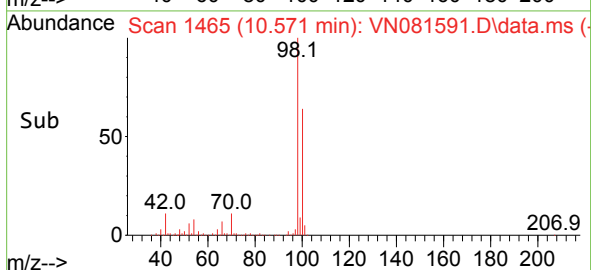
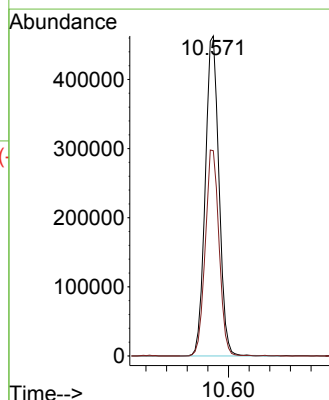
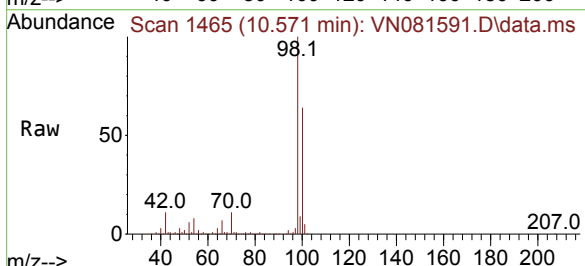
Acq: 27 Mar 2024 17:32

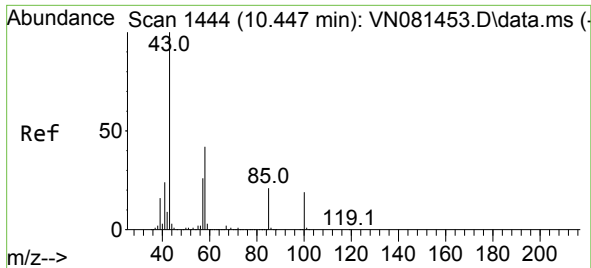
Tgt Ion: 98 Resp: 851177

Ion Ratio Lower Upper

98 100

100 64.6 51.4 77.0

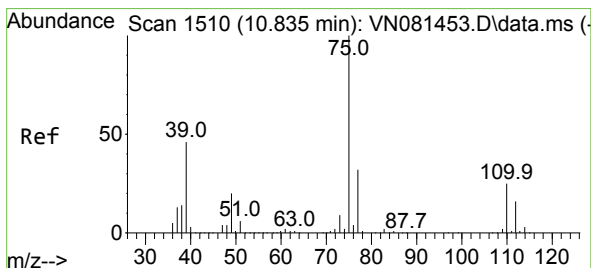
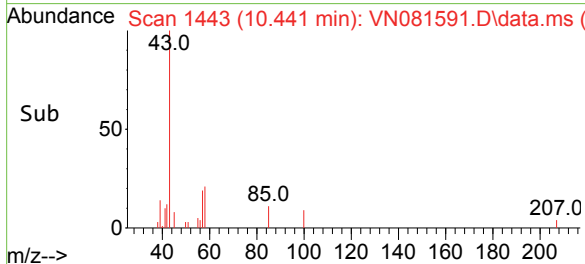
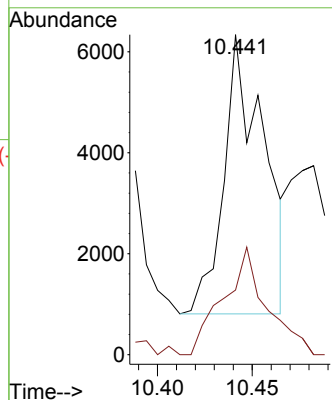
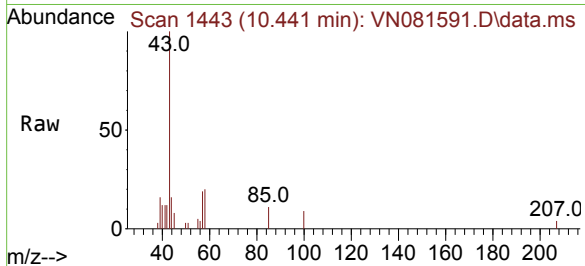




#51
4-Methyl-2-Pentanone
Concen: 1.284 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN081591.D
Acq: 27 Mar 2024 17:32

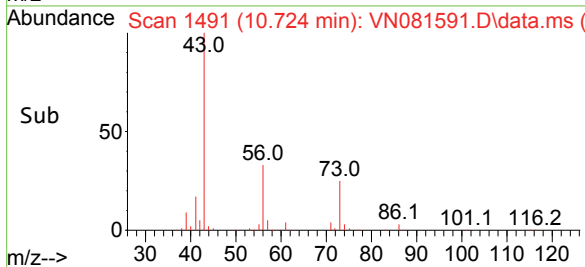
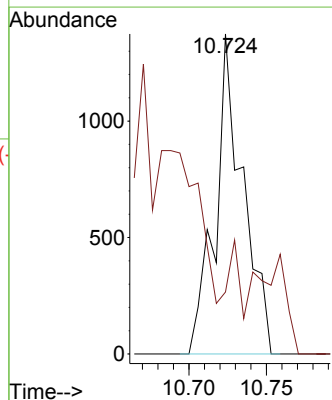
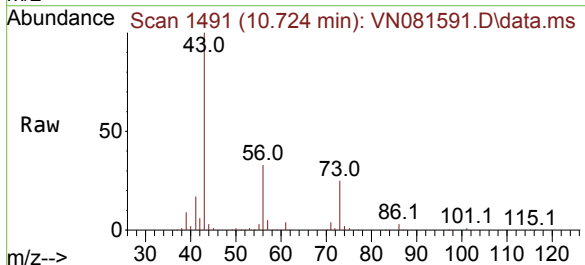
Instrument :
MSVOA_N
ClientSampleId :
PB159779ZHE#07

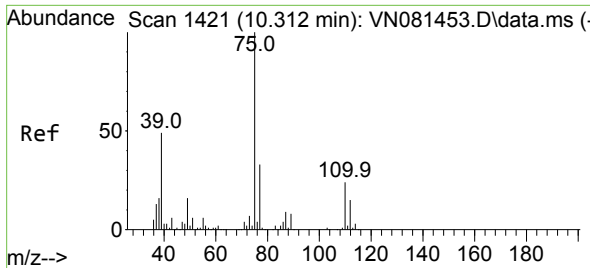
Tgt Ion: 43 Resp: 8063
Ion Ratio Lower Upper
43 100
58 41.8 29.4 44.0



#53
t-1,3-Dichloropropene
Concen: 0.206 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN081591.D
Acq: 27 Mar 2024 17:32

Tgt Ion: 75 Resp: 1696
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#

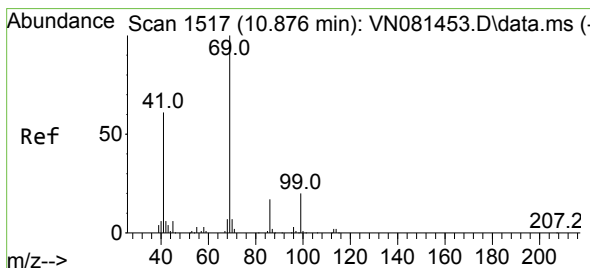
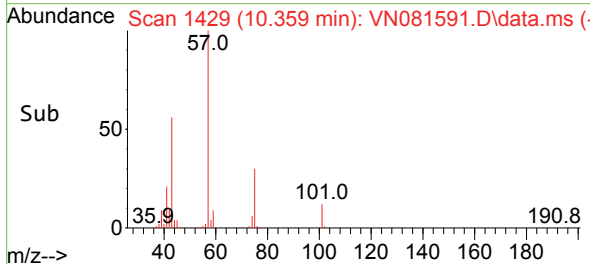
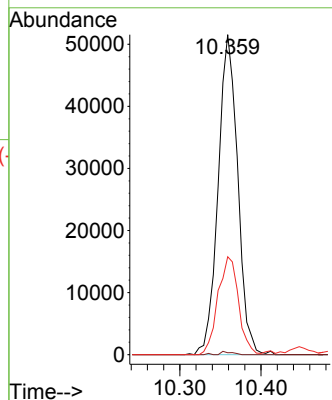
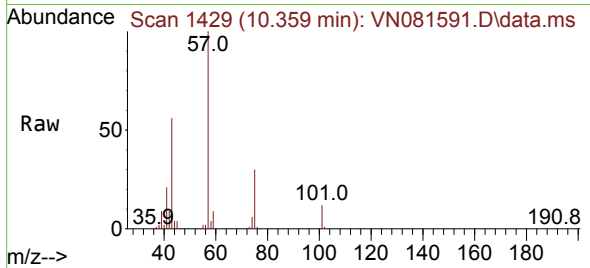




#54
 cis-1,3-Dichloropropene
 Concen: 9.796 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN081591.D
 Acq: 27 Mar 2024 17:32

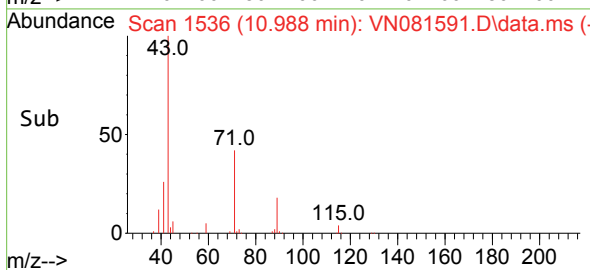
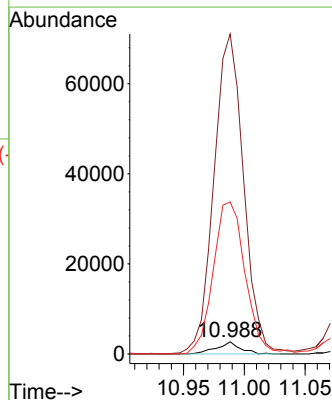
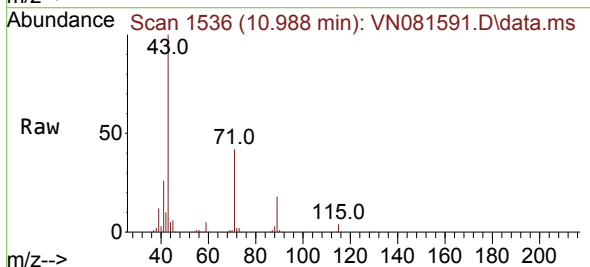
Instrument :
 MSVOA_N
 ClientSampleId :
 PB159779ZHE#07

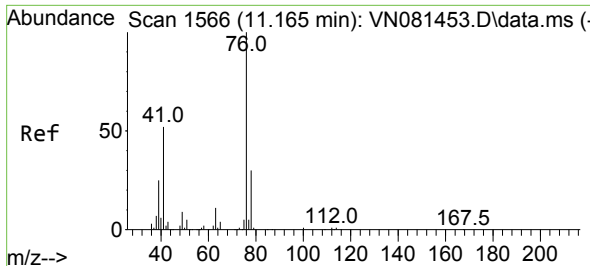
Tgt Ion: 75 Resp: 86480
 Ion Ratio Lower Upper
 75 100
 77 0.6 23.3 34.9#
 39 30.6 44.6 66.8#



#56
 Ethyl methacrylate
 Concen: 1.070 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.112 min
 Lab File: VN081591.D
 Acq: 27 Mar 2024 17:32

Tgt Ion: 69 Resp: 3676
 Ion Ratio Lower Upper
 69 100
 41 3285.5 61.0 91.6#
 39 1676.2 31.8 47.6#





#57

1,3-Dichloropropane

Concen: 1.342 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

Lab File: VN081591.D

Acq: 27 Mar 2024 17:32

Instrument :

MSVOA_N

ClientSampleId :

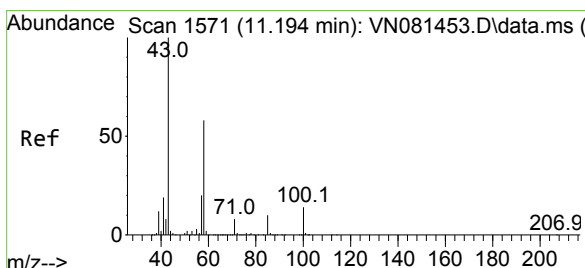
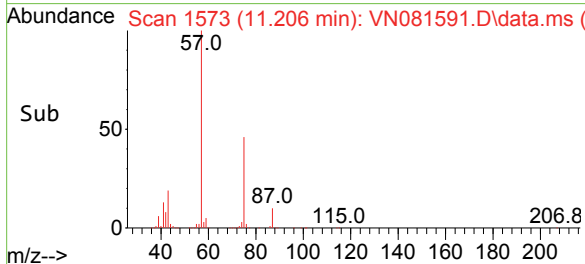
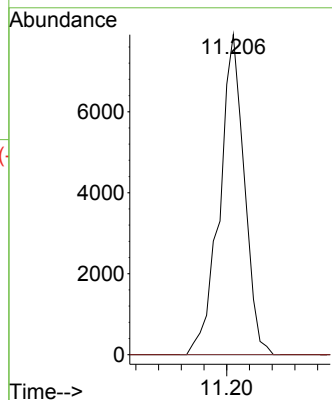
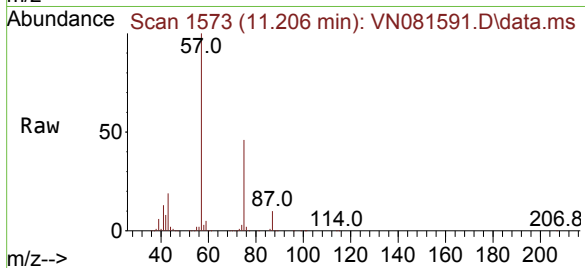
PB159779ZHE#07

Tgt Ion: 76 Resp: 11928

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 29.071 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN081591.D

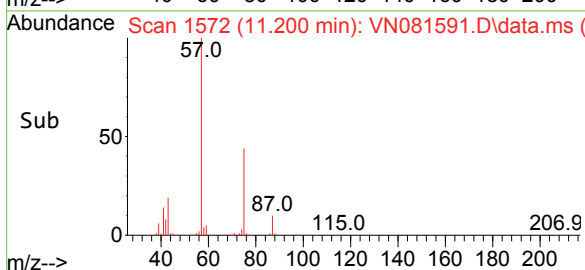
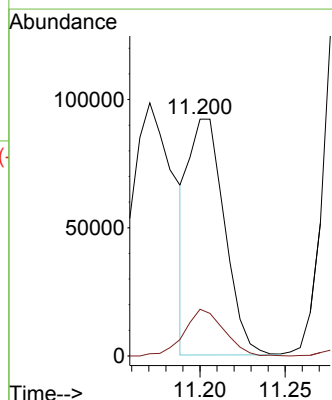
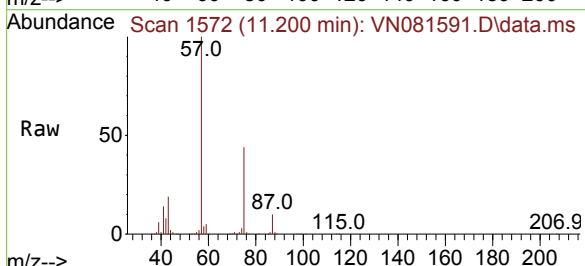
Acq: 27 Mar 2024 17:32

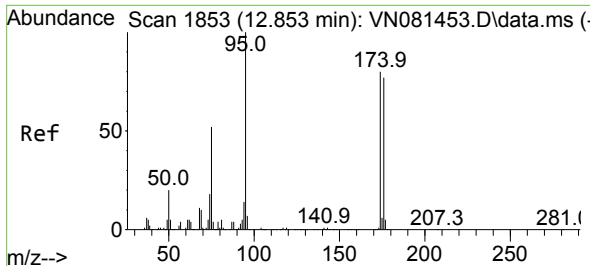
Tgt Ion: 43 Resp: 134929

Ion Ratio Lower Upper

43 100

58 22.0 25.9 77.8#

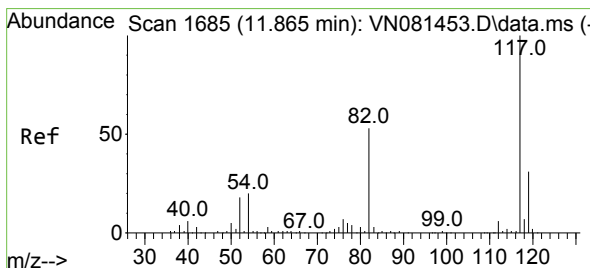
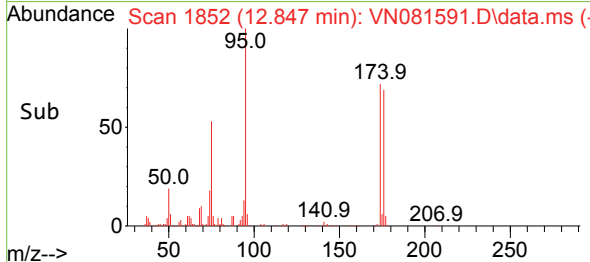
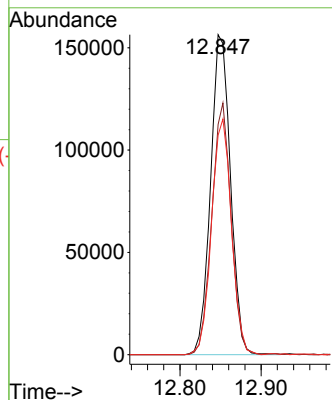
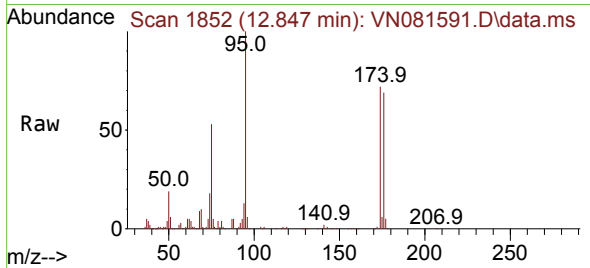




#62
4-Bromofluorobenzene
Concen: 48.535 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN081591.D
Acq: 27 Mar 2024 17:32

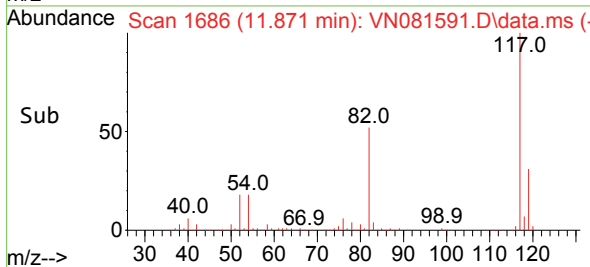
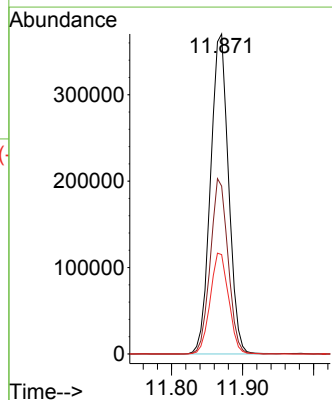
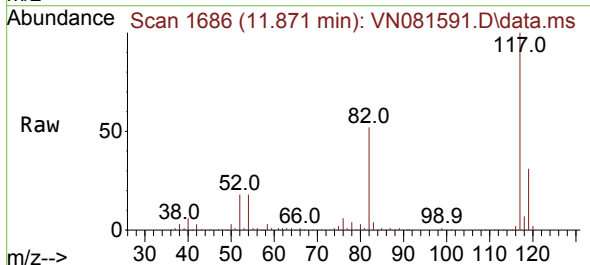
Instrument :
MSVOA_N
ClientSampleId :
PB159779ZHE#07

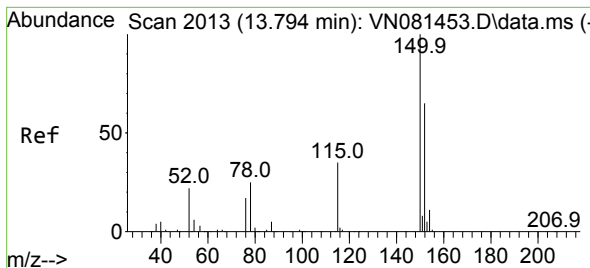
Tgt Ion: 95 Resp: 266258
Ion Ratio Lower Upper
95 100
174 76.1 0.0 120.4
176 73.9 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN081591.D
Acq: 27 Mar 2024 17:32

Tgt Ion: 117 Resp: 652541
Ion Ratio Lower Upper
117 100
82 52.5 52.7 79.1#
119 31.0 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: VN081591.D

Acq: 27 Mar 2024 17:32

Instrument :

MSVOA_N

ClientSampleId :

PB159779ZHE#07

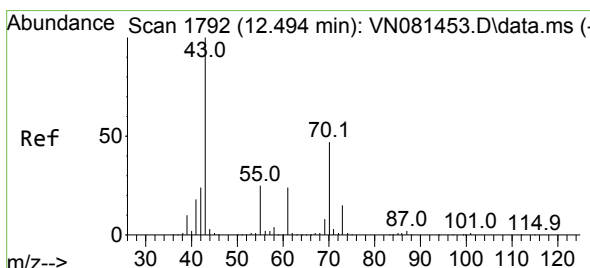
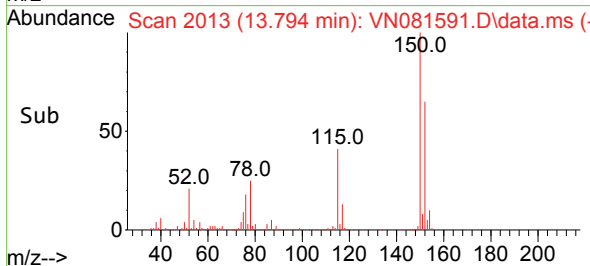
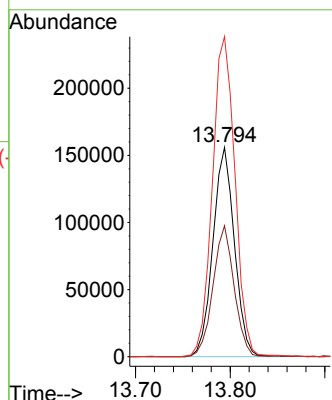
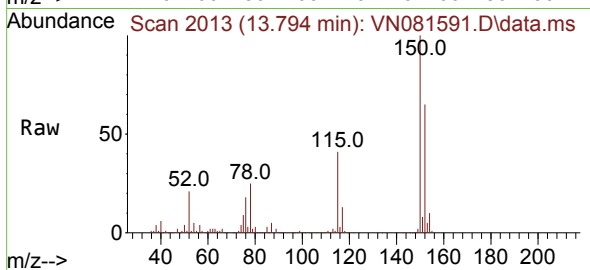
Tgt Ion:152 Resp: 246127

Ion Ratio Lower Upper

152 100

115 61.7 32.3 96.8

150 160.9 0.0 339.8



#74

N-ethyl acetate

Concen: 0.335 ug/l

RT: 12.470 min Scan# 1788

Delta R.T. -0.023 min

Lab File: VN081591.D

Acq: 27 Mar 2024 17:32

Tgt Ion: 43 Resp: 2544

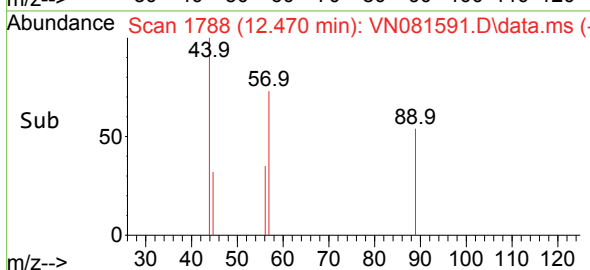
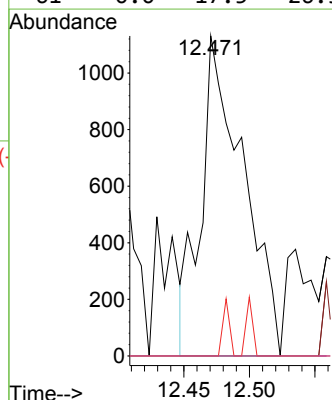
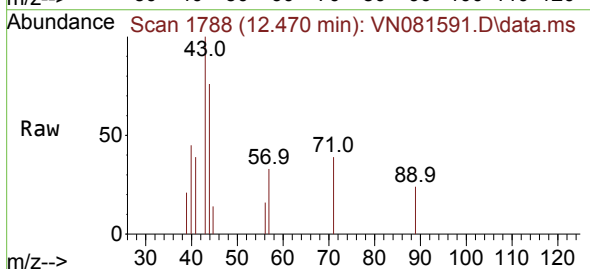
Ion Ratio Lower Upper

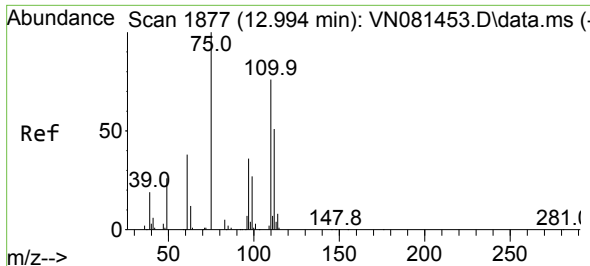
43 100

70 0.0 30.1 45.1#

55 0.0 17.0 25.4#

61 0.0 17.5 26.3#

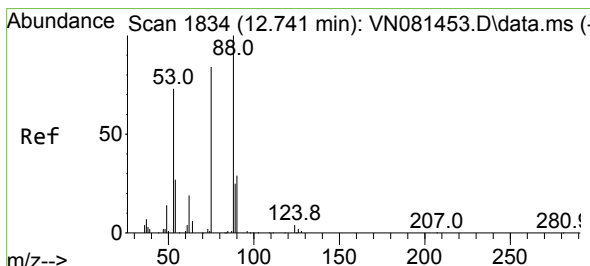
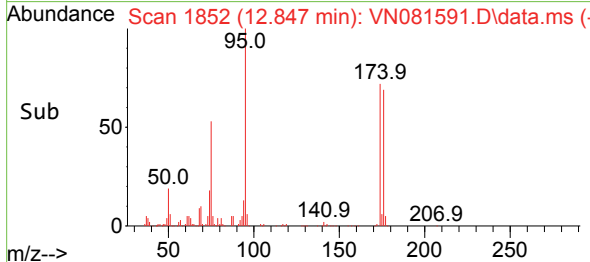
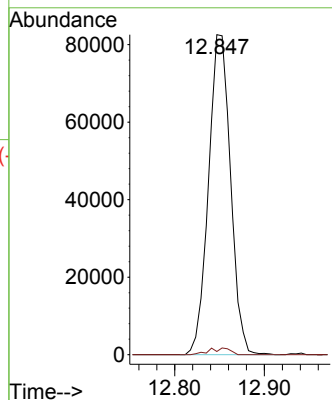
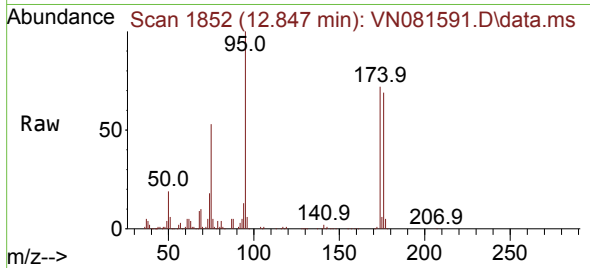




#76
1,2,3-Trichloropropane
Concen: 23.920 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081591.D
Acq: 27 Mar 2024 17:32

Instrument :
MSVOA_N
ClientSampleId :
PB159779ZHE#07

Tgt Ion: 75 Resp: 140828
Ion Ratio Lower Upper
75 100
77 2.0 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.639 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN081591.D
Acq: 27 Mar 2024 17:32

Tgt Ion: 75 Resp: 140828
Ion Ratio Lower Upper
75 100
53 0.3 71.4 107.2#
89 0.1 33.4 50.0#

