

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051724\
 Data File : VN082186.D
 Acq On : 17 May 2024 18:10
 Operator : JC\MD
 Sample : PB160967ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB160967ZHE#04

Quant Time: May 17 23:14:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

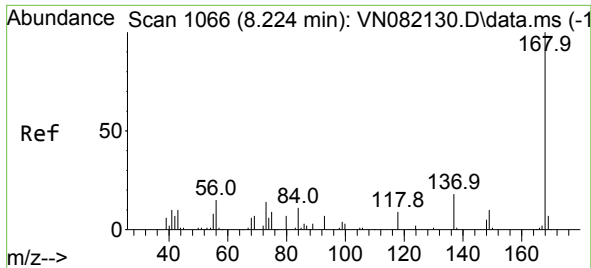
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	174972	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	316902	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	308438	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	127918	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	146731	53.109	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.220%	
35) Dibromofluoromethane	8.165	113	102814	52.740	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.480%	
50) Toluene-d8	10.571	98	413158	55.279	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 110.560%	
62) 4-Bromofluorobenzene	12.853	95	138288	51.839	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 103.680%	
Target Compounds						
					Qvalue	
16) Acetone	4.436	43	16109	14.213	ug/l	97
18) Methyl Acetate	5.024	43	2688	0.952	ug/l #	57
20) Methylene Chloride	5.271	84	6960	3.044	ug/l #	79
25) 2-Butanone	7.494	43	1454	0.846	ug/l #	43
31) Cyclohexane	8.224	56	5684	1.288	ug/l #	38
36) 1,1-Dichloropropene	8.224	75	16234	4.965	ug/l #	51
37) Ethyl Acetate	7.565	43	4644	1.269	ug/l #	78
38) Carbon Tetrachloride	8.230	117	20379	6.149	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	854	0.228	ug/l #	73
43) Isopropyl Acetate	8.688	43	288854	44.552	ug/l #	70
45) 1,2-Dichloropropane	9.741	63	1678	0.667	ug/l #	45
48) Methyl methacrylate	9.741	41	151753	49.121	ug/l #	36
49) 1,4-Dioxane	9.741	88	66	1.525	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	130404	35.400	ug/l #	42
53) t-1,3-Dichloropropene	10.724	75	922	0.256	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	49993	13.098	ug/l #	75
56) Ethyl methacrylate	10.982	69	1479	0.410	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6104	1.535	ug/l #	42
59) 2-Hexanone	11.200	43	102532	38.014	ug/l #	48
74) N-amyl acetate	12.482	43	2147	0.384	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	83089	30.861	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	83089	72.182	ug/l #	12

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

Quant Time: May 17 23:14:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
Response via : Initial Calibration

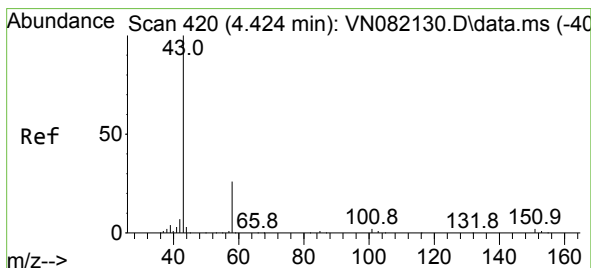
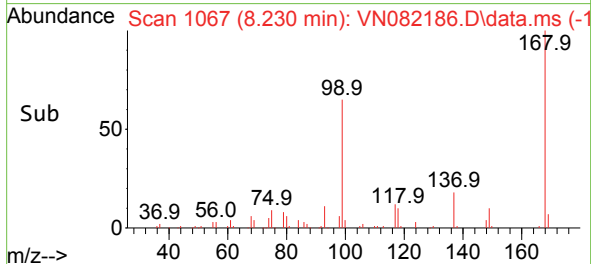
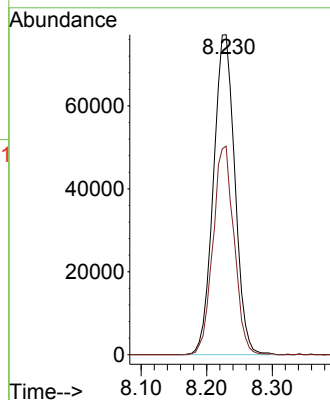
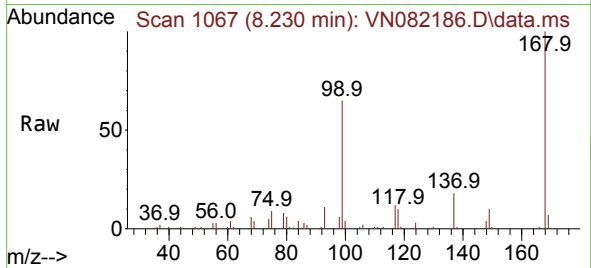




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN082186.D
Acq: 17 May 2024 18:10

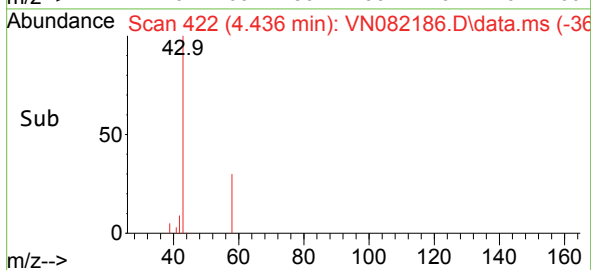
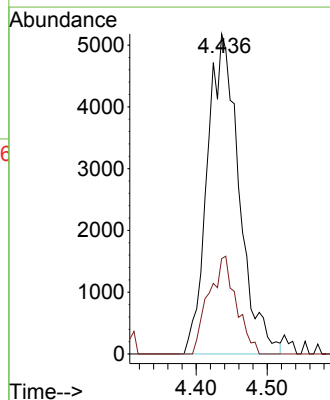
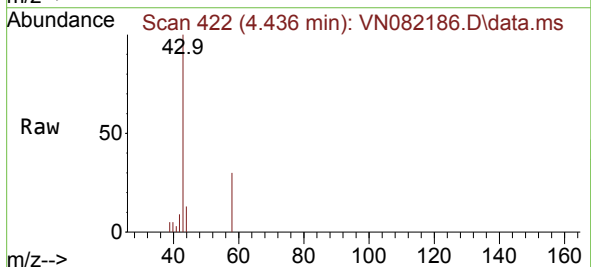
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#04

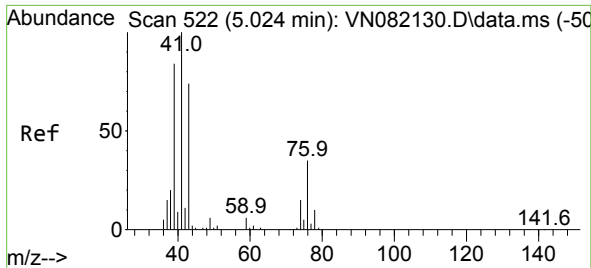
Tgt Ion:168 Resp: 174972
Ion Ratio Lower Upper
168 100
99 65.2 48.2 72.4



#16
Acetone
Concen: 14.213 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN082186.D
Acq: 17 May 2024 18:10

Tgt Ion: 43 Resp: 16109
Ion Ratio Lower Upper
43 100
58 29.8 25.2 37.8

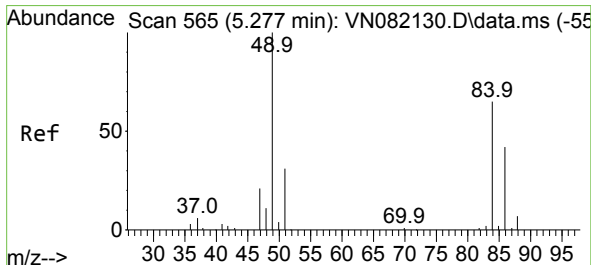
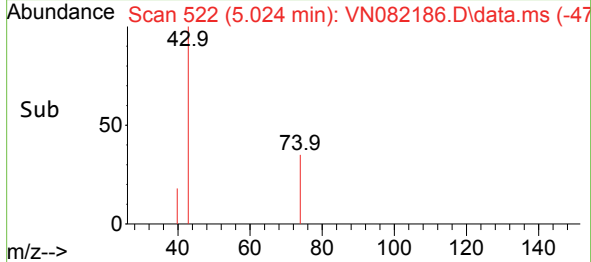
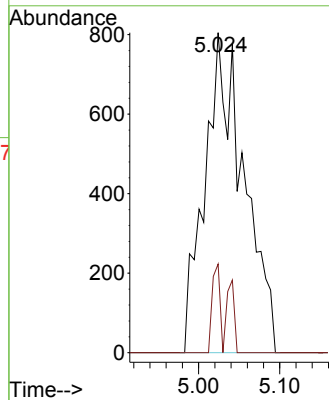
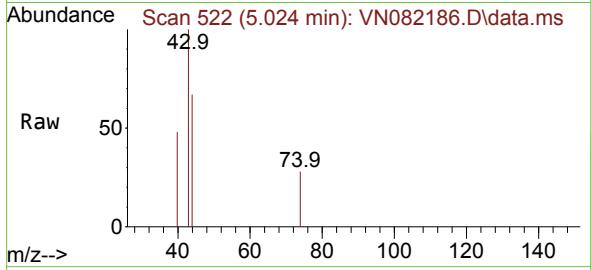




#18
Methyl Acetate
Concen: 0.952 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN082186.D
Acq: 17 May 2024 18:10

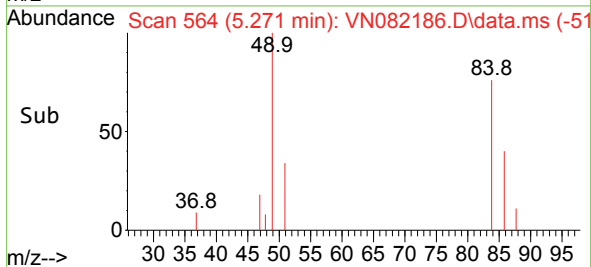
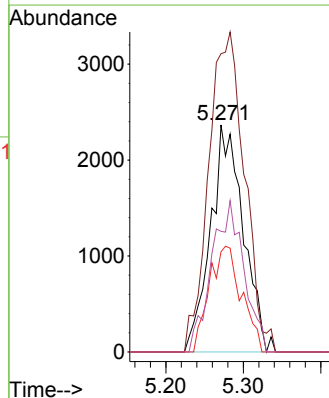
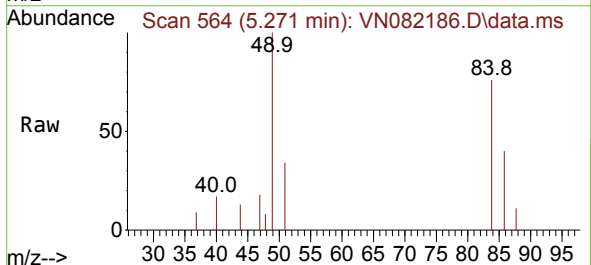
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#04

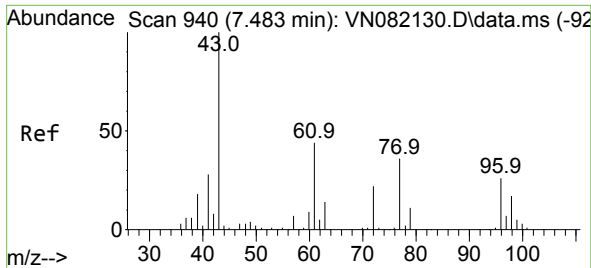
Tgt Ion: 43 Resp: 2688
Ion Ratio Lower Upper
43 100
74 5.4 22.2 33.2#



#20
Methylene Chloride
Concen: 3.044 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN082186.D
Acq: 17 May 2024 18:10

Tgt Ion: 84 Resp: 6960
Ion Ratio Lower Upper
84 100
49 131.4 84.9 127.3#
51 44.1 27.0 40.6#
86 53.1 52.3 78.5

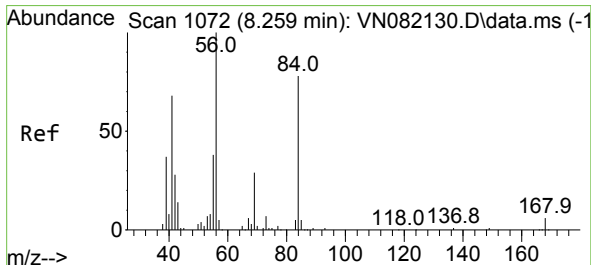
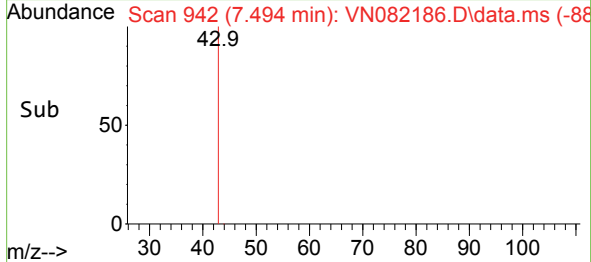
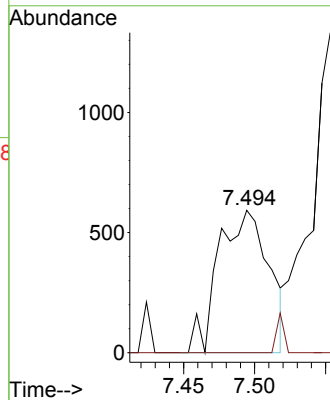
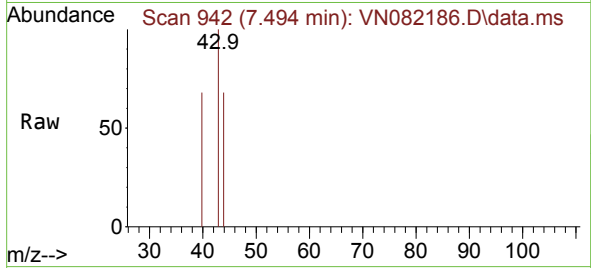




#25
2-Butanone
Concen: 0.846 ug/l
RT: 7.494 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN082186.D
Acq: 17 May 2024 18:10

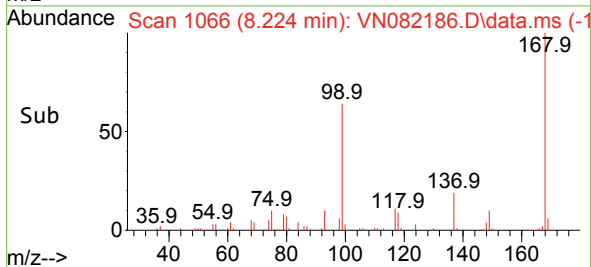
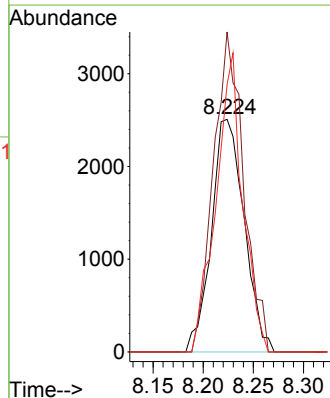
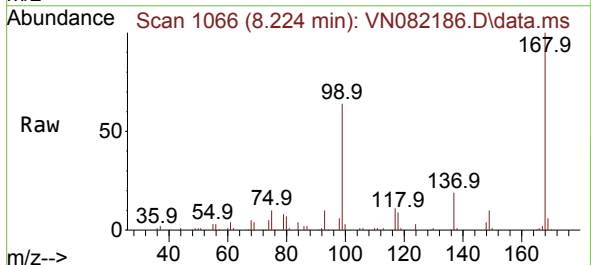
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#04

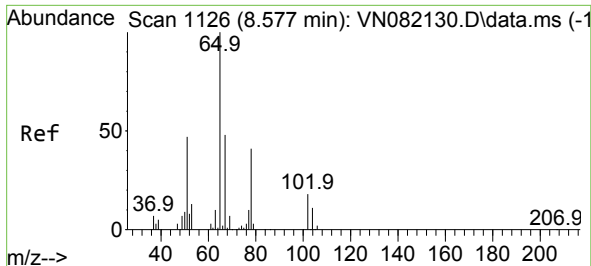
Tgt Ion: 43 Resp: 1454
Ion Ratio Lower Upper
43 100
72 0.0 25.3 37.9#



#31
Cyclohexane
Concen: 1.288 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082186.D
Acq: 17 May 2024 18:10

Tgt Ion: 56 Resp: 5684
Ion Ratio Lower Upper
56 100
69 137.5 24.4 36.6#
84 114.9 77.0 115.4





#33

1,2-Dichloroethane-d4

Concen: 53.109 ug/l

RT: 8.583 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN082186.D

Acq: 17 May 2024 18:10

Instrument :

MSVOA_N

ClientSampleId :

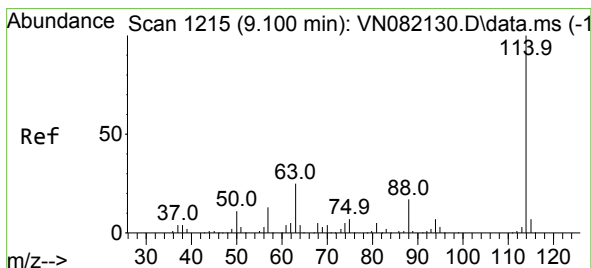
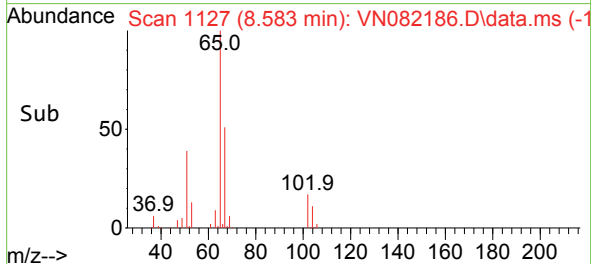
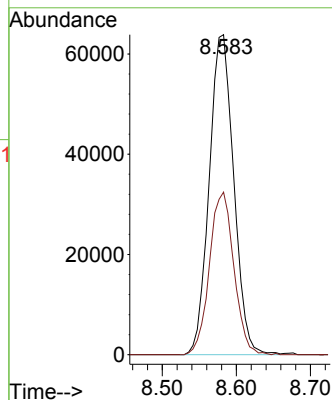
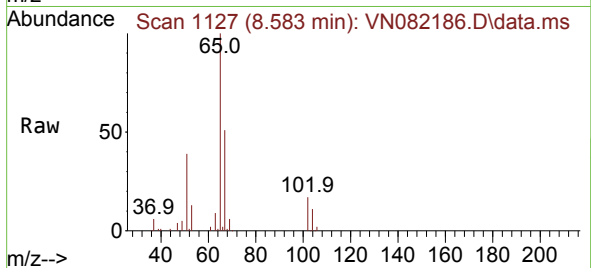
PB160967ZHE#04

Tgt Ion: 65 Resp: 146731

Ion Ratio Lower Upper

65 100

67 50.6 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN082186.D

Acq: 17 May 2024 18:10

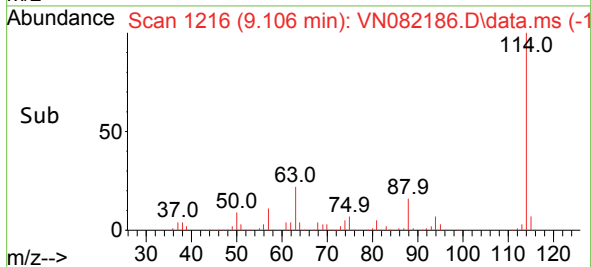
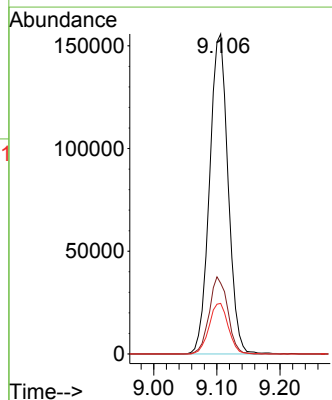
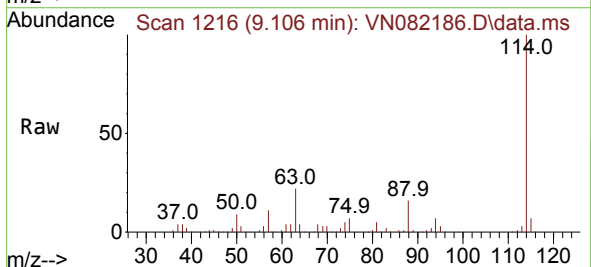
Tgt Ion: 114 Resp: 316902

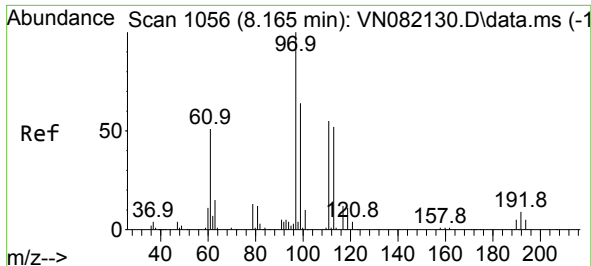
Ion Ratio Lower Upper

114 100

63 22.1 0.0 41.0

88 15.8 0.0 31.4

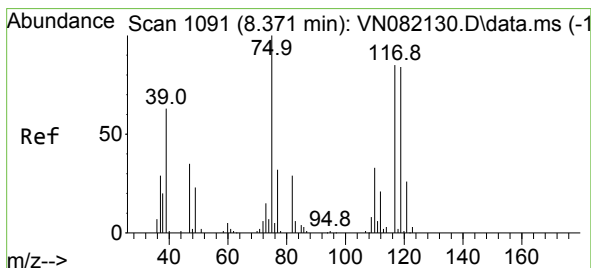
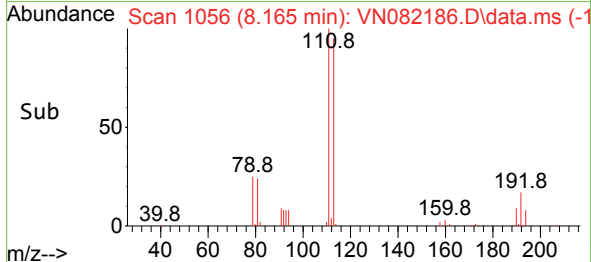
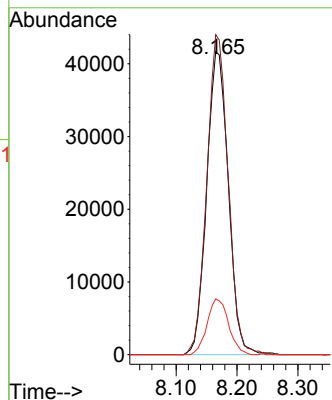
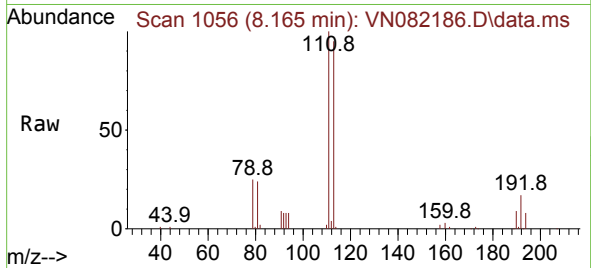




#35
Dibromofluoromethane
Concen: 52.740 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN082186.D
Acq: 17 May 2024 18:10

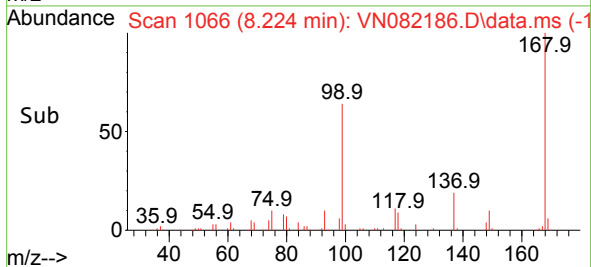
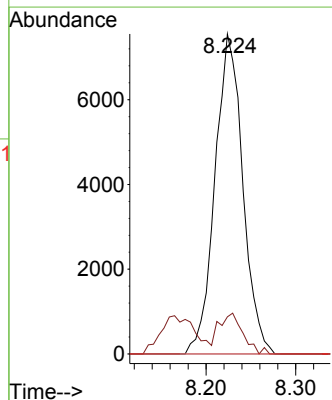
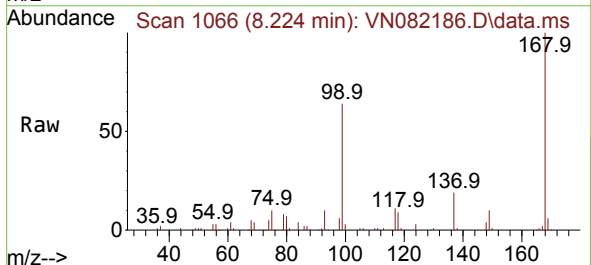
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#04

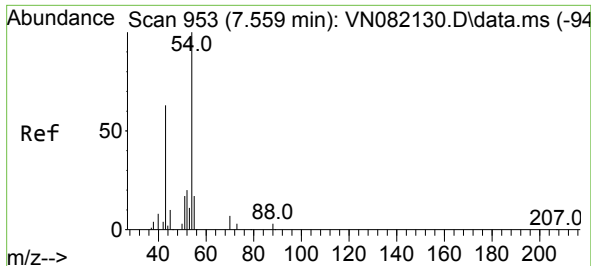
Tgt Ion:113 Resp: 102814
Ion Ratio Lower Upper
113 100
111 104.2 83.4 125.2
192 18.3 14.0 21.0



#36
1,1-Dichloropropene
Concen: 4.965 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082186.D
Acq: 17 May 2024 18:10

Tgt Ion: 75 Resp: 16234
Ion Ratio Lower Upper
75 100
110 11.0 17.8 53.5#
77 0.0 25.0 37.4#

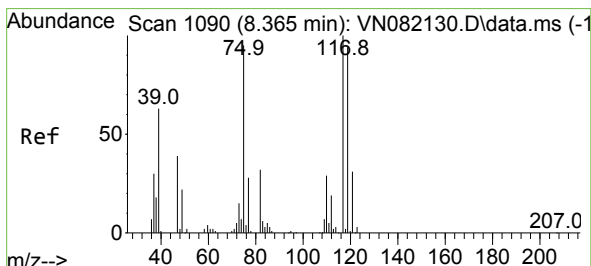
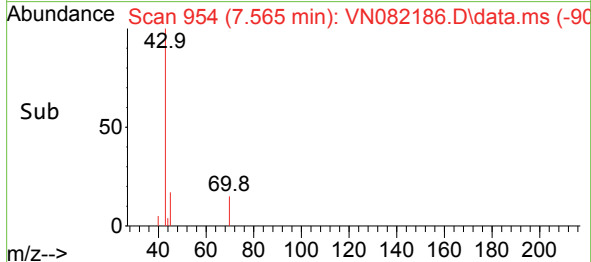
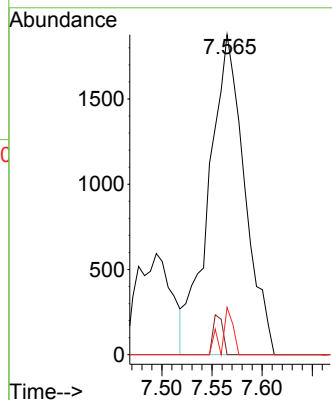
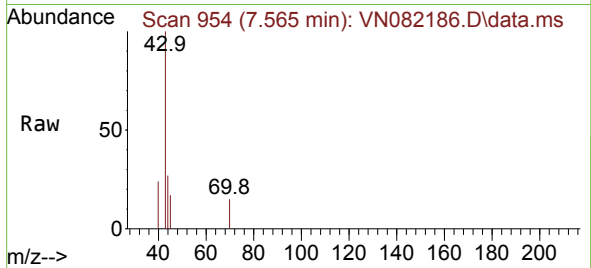




#37
Ethyl Acetate
Concen: 1.269 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN082186.D
Acq: 17 May 2024 18:10

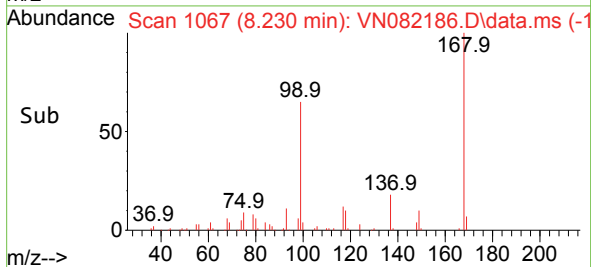
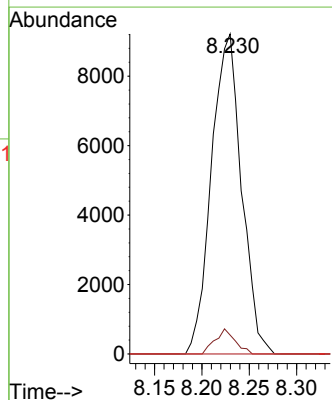
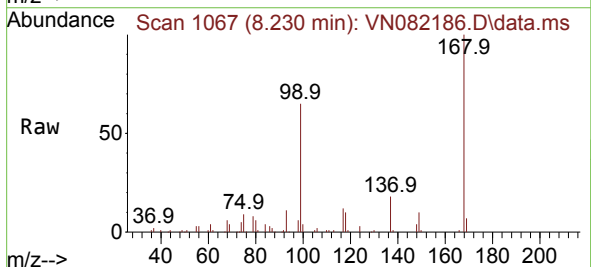
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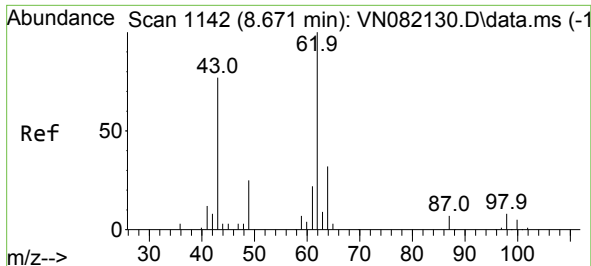
Tgt Ion: 43 Resp: 4644
Ion Ratio Lower Upper
43 100
61 3.4 11.3 16.9#
70 4.6 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 6.149 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN082186.D
Acq: 17 May 2024 18:10

Tgt Ion: 117 Resp: 20379
Ion Ratio Lower Upper
117 100
119 5.9 76.5 114.7#
121 0.0 23.9 35.9#





#42

1,2-Dichloroethane

Concen: 0.228 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN082186.D

Acq: 17 May 2024 18:10

Instrument :

MSVOA_N

ClientSampleId :

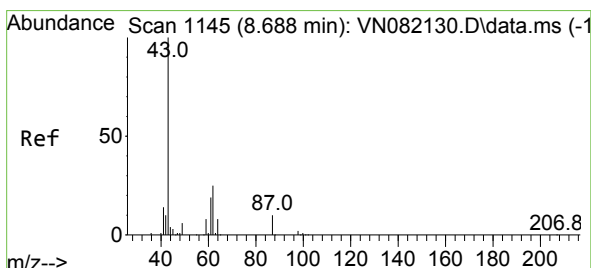
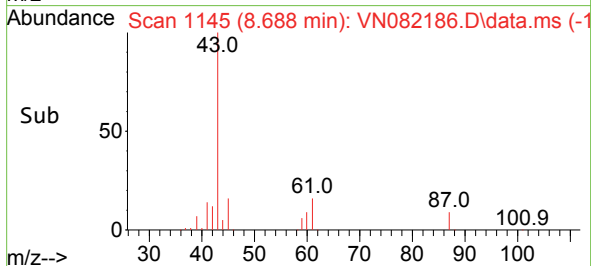
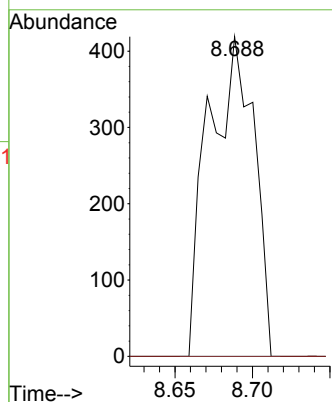
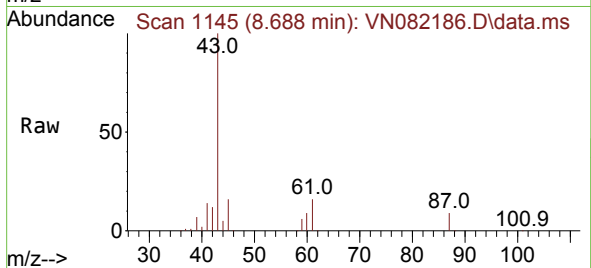
PB160967ZHE#04

Tgt Ion: 62 Resp: 854

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 44.552 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN082186.D

Acq: 17 May 2024 18:10

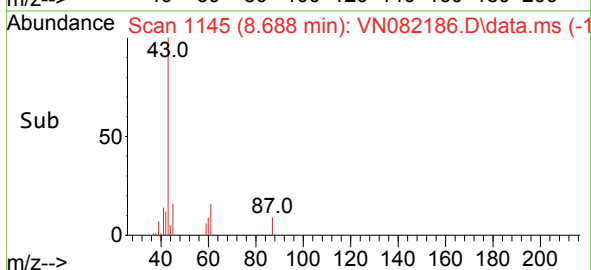
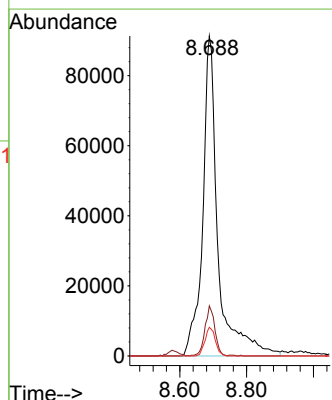
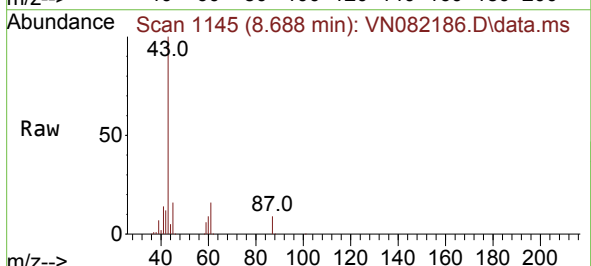
Tgt Ion: 43 Resp: 288854

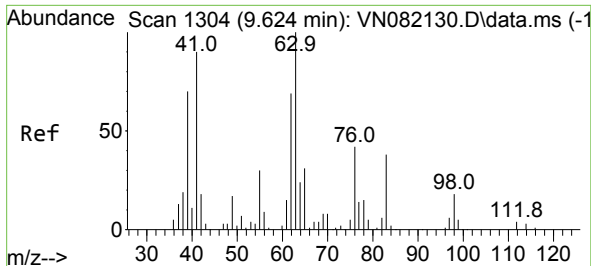
Ion Ratio Lower Upper

43 100

61 10.2 22.8 34.2#

87 6.1 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.667 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.118 min

Lab File: VN082186.D

Acq: 17 May 2024 18:10

Instrument :

MSVOA_N

ClientSampleId :

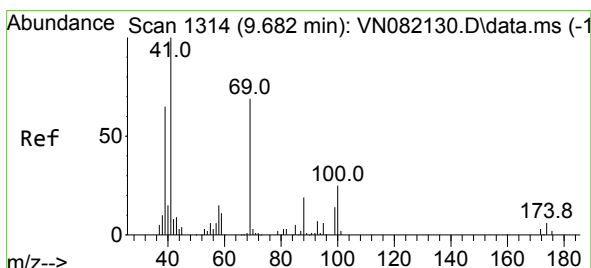
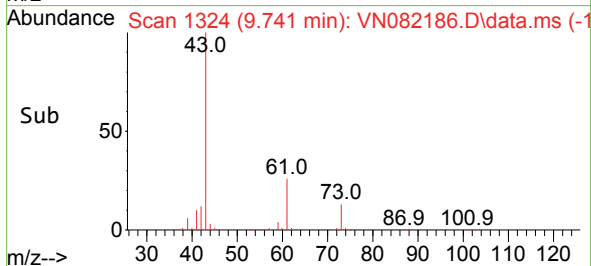
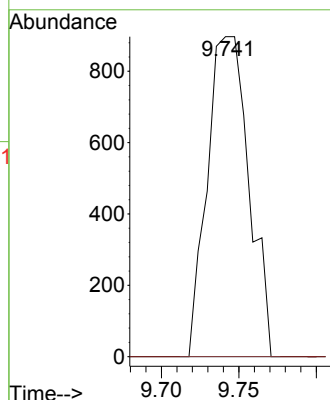
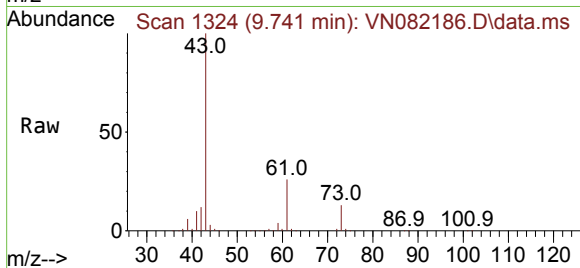
PB160967ZHE#04

Tgt Ion: 63 Resp: 1678

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 49.121 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.059 min

Lab File: VN082186.D

Acq: 17 May 2024 18:10

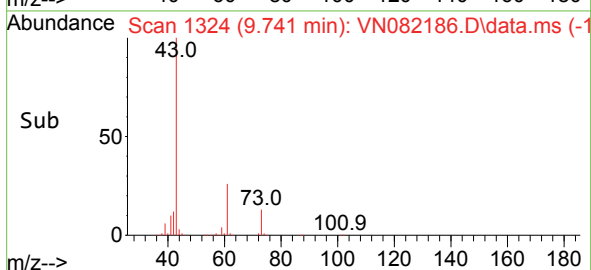
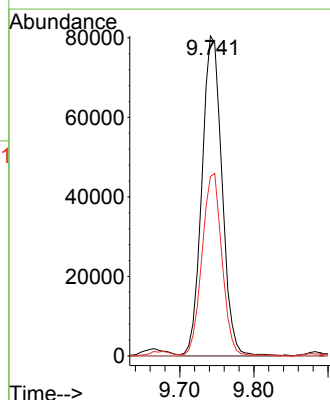
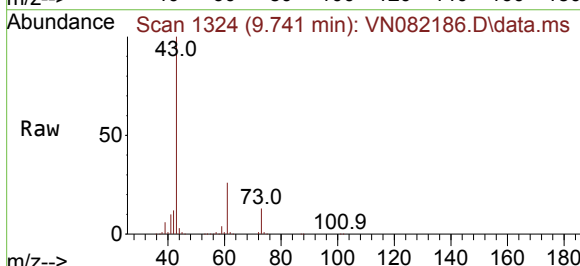
Tgt Ion: 41 Resp: 151753

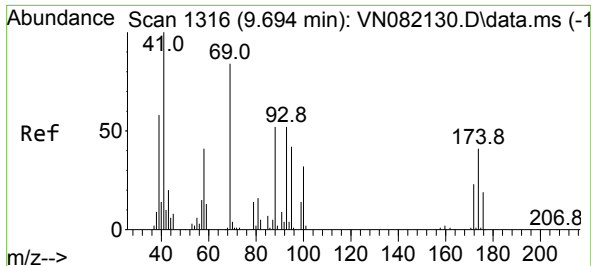
Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 56.1 50.9 76.3





#49

1,4-Dioxane

Concen: 1.525 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.047 min

Lab File: VN082186.D

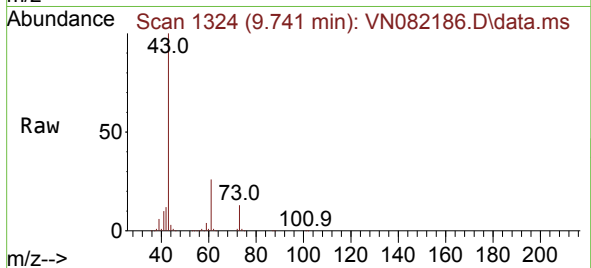
Acq: 17 May 2024 18:10

Instrument :

MSVOA_N

ClientSampleId :

PB160967ZHE#04



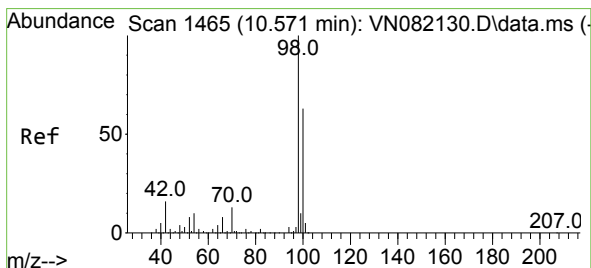
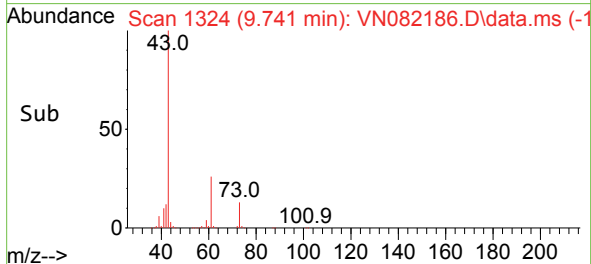
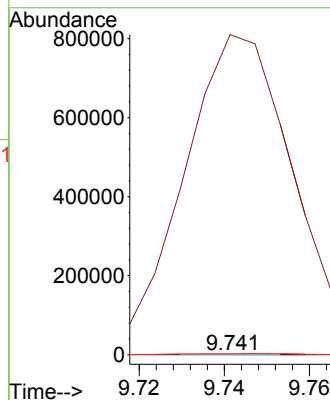
Tgt Ion: 88 Resp: 66

Ion Ratio Lower Upper

88 100

43 2245243.9 19.0 28.6#

58 8622.7 50.6 76.0#



#50

Toluene-d8

Concen: 55.279 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN082186.D

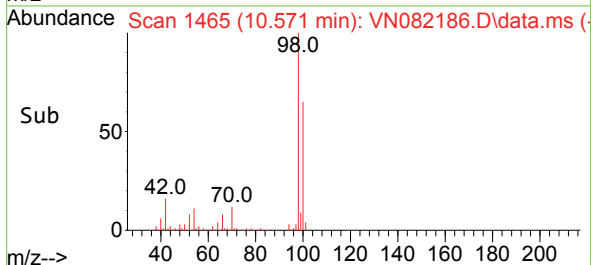
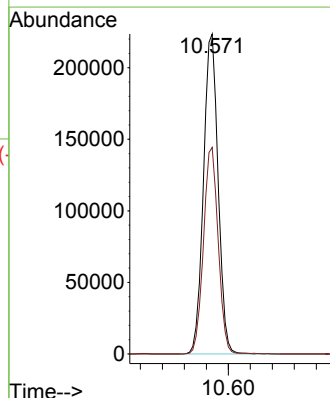
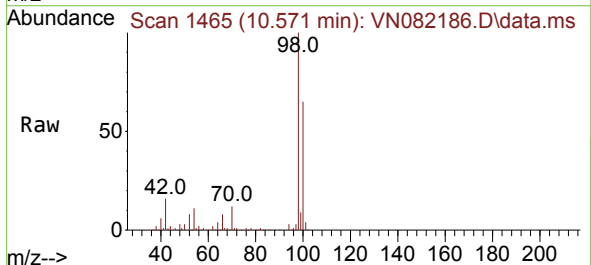
Acq: 17 May 2024 18:10

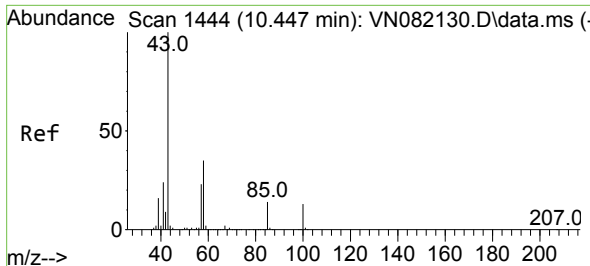
Tgt Ion: 98 Resp: 413158

Ion Ratio Lower Upper

98 100

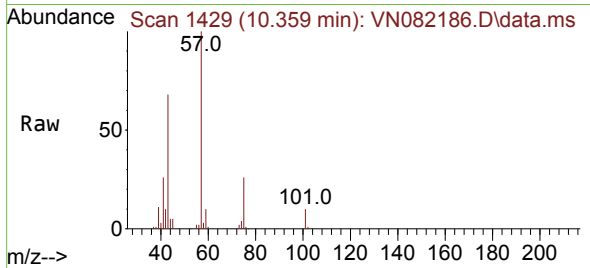
100 64.7 51.8 77.6



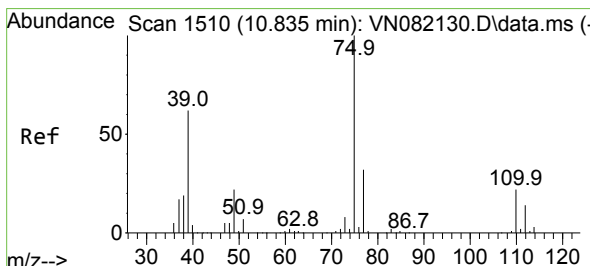
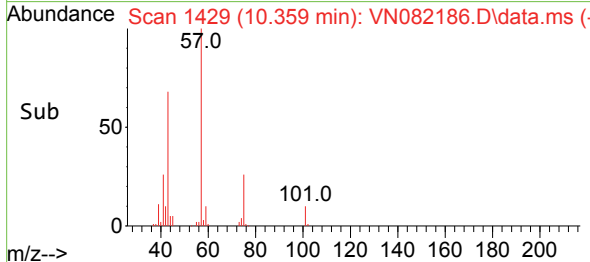
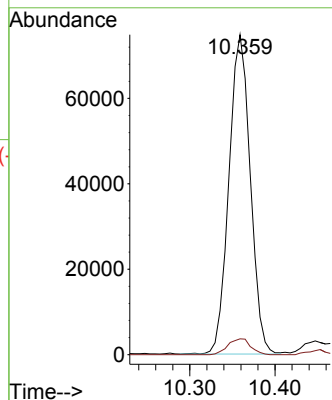


#51
4-Methyl-2-Pentanone
Concen: 35.400 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN082186.D
Acq: 17 May 2024 18:10

Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#04

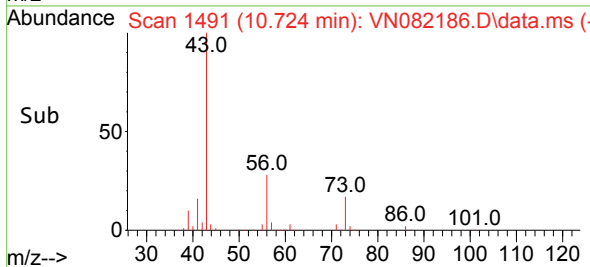
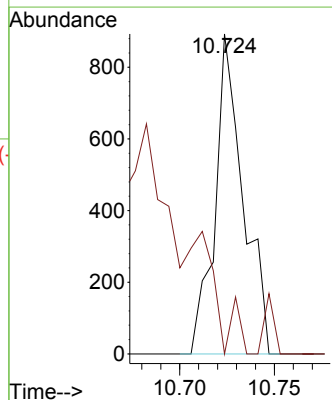
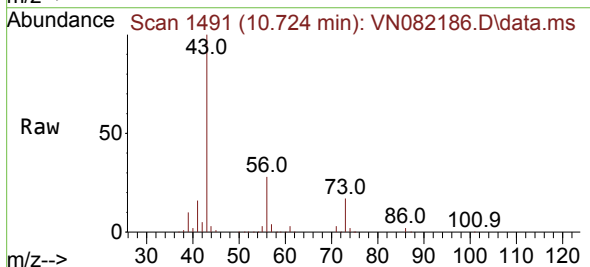


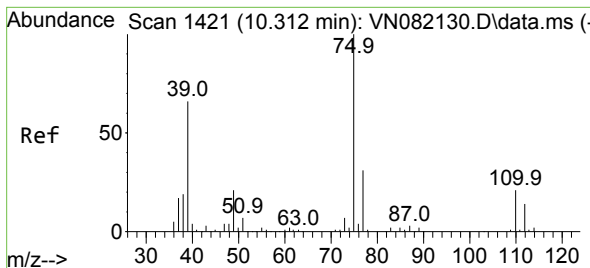
Tgt Ion: 43 Resp: 130404
Ion Ratio Lower Upper
43 100
58 5.3 33.2 49.8#



#53
t-1,3-Dichloropropene
Concen: 0.256 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN082186.D
Acq: 17 May 2024 18:10

Tgt Ion: 75 Resp: 922
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

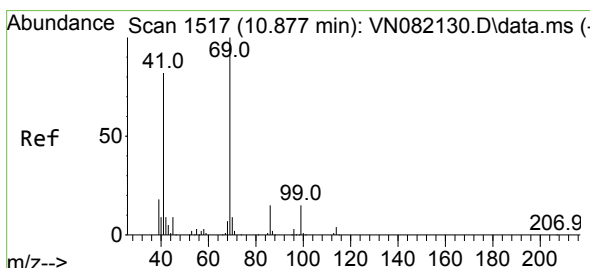
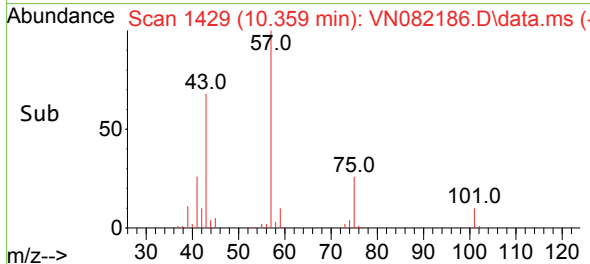
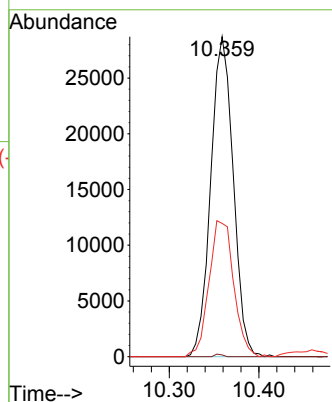
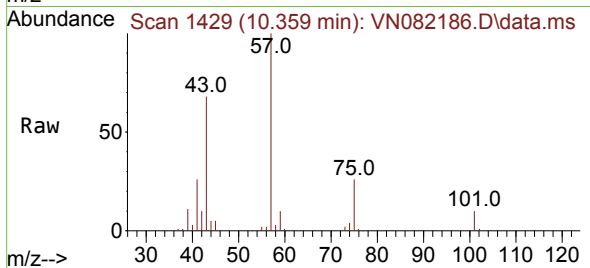




#54
 cis-1,3-Dichloropropene
 Concen: 13.098 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082186.D
 Acq: 17 May 2024 18:10

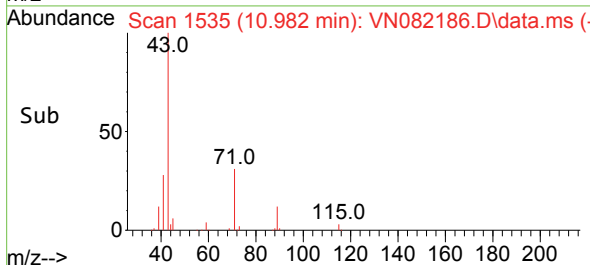
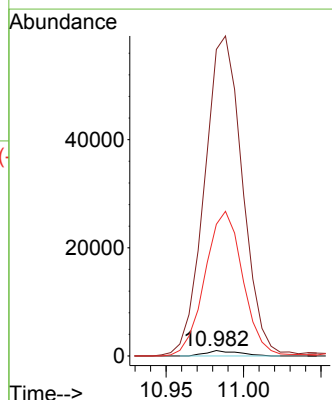
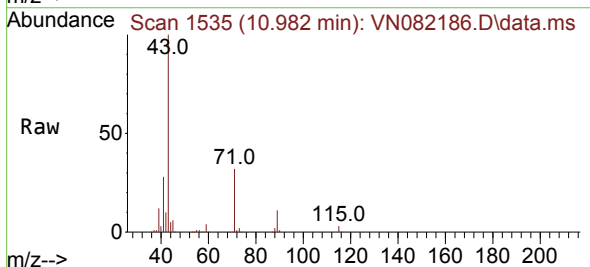
Instrument :
 MSVOA_N
 ClientSampleId :
 PB160967ZHE#04

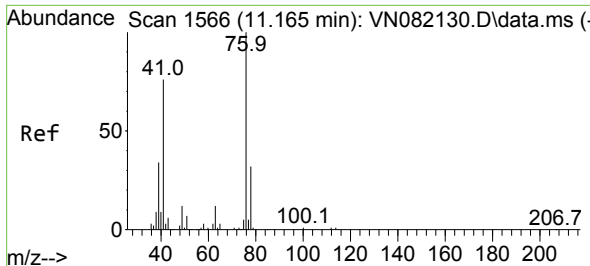
Tgt Ion: 75 Resp: 49993
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.4#
 39 41.7 34.8 52.2



#56
 Ethyl methacrylate
 Concen: 0.410 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.106 min
 Lab File: VN082186.D
 Acq: 17 May 2024 18:10

Tgt Ion: 69 Resp: 1479
 Ion Ratio Lower Upper
 69 100
 41 6818.7 46.6 70.0#
 39 3090.1 26.5 39.7#





#57

1,3-Dichloropropane

Concen: 1.535 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

Lab File: VN082186.D

Acq: 17 May 2024 18:10

Instrument :

MSVOA_N

ClientSampleId :

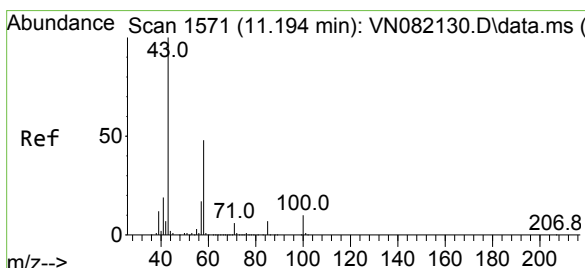
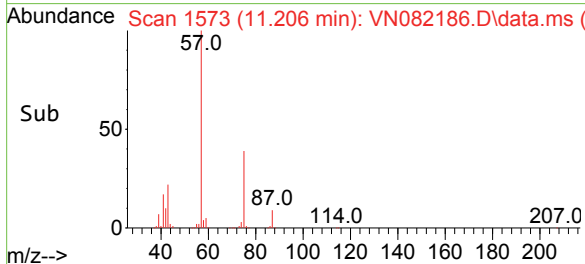
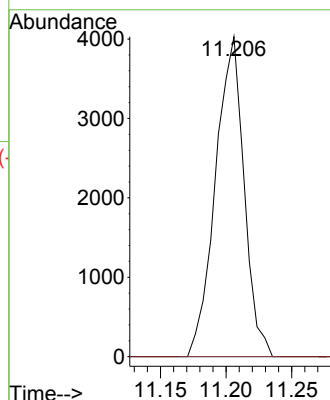
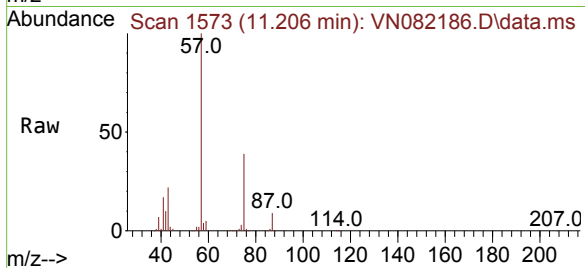
PB160967ZHE#04

Tgt Ion: 76 Resp: 6104

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 38.014 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN082186.D

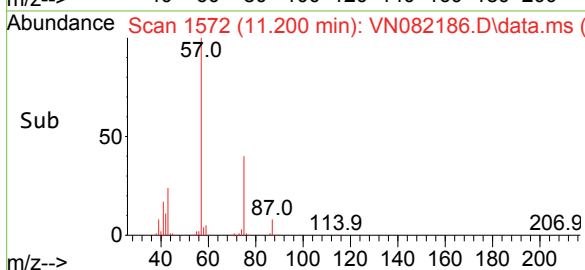
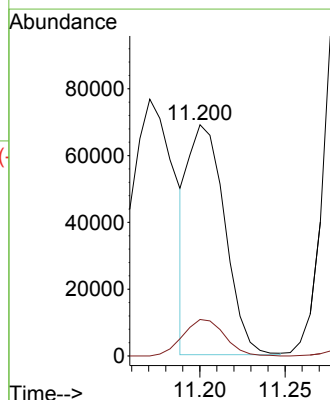
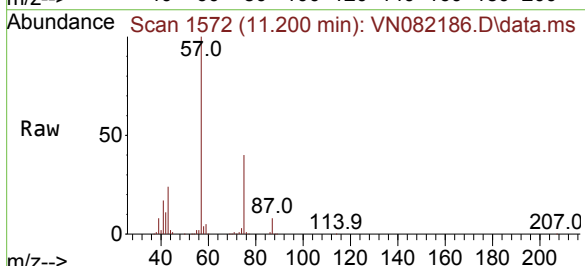
Acq: 17 May 2024 18:10

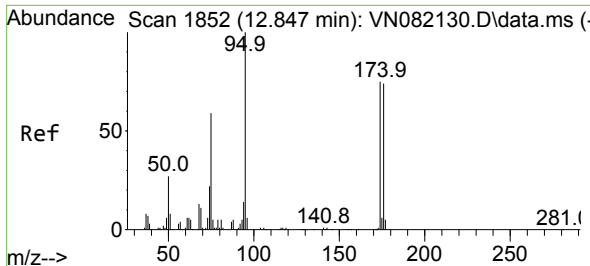
Tgt Ion: 43 Resp: 102532

Ion Ratio Lower Upper

43 100

58 18.1 28.3 84.9#

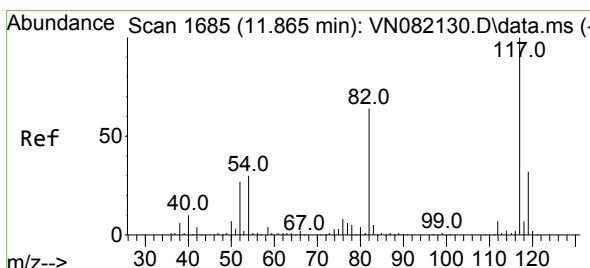
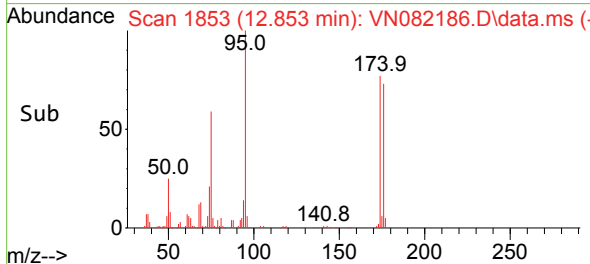
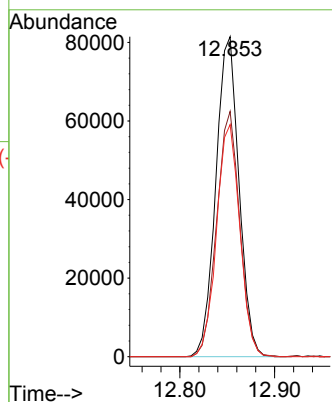
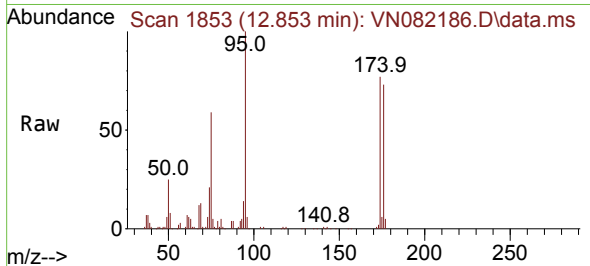




#62
4-Bromofluorobenzene
Concen: 51.839 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082186.D
Acq: 17 May 2024 18:10

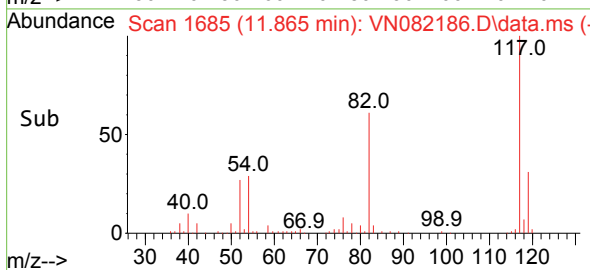
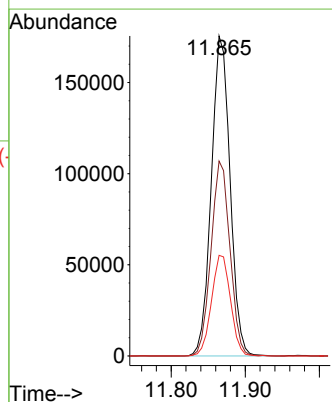
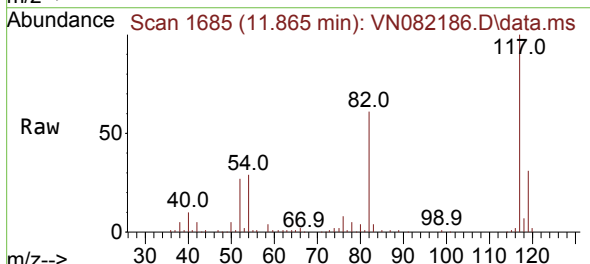
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#04

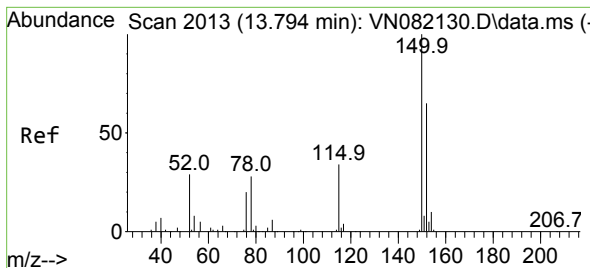
Tgt Ion: 95 Resp: 138288
Ion Ratio Lower Upper
95 100
174 76.2 0.0 160.6
176 72.9 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN082186.D
Acq: 17 May 2024 18:10

Tgt Ion: 117 Resp: 308438
Ion Ratio Lower Upper
117 100
82 60.9 44.6 66.8
119 31.4 25.9 38.9

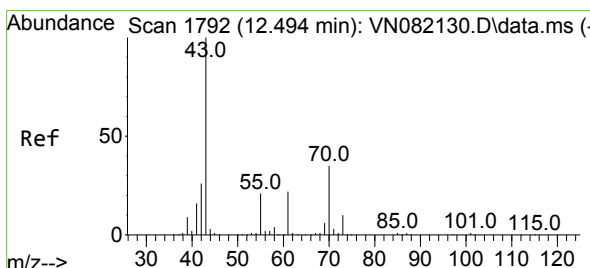
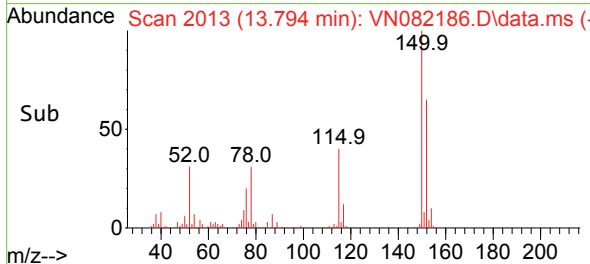
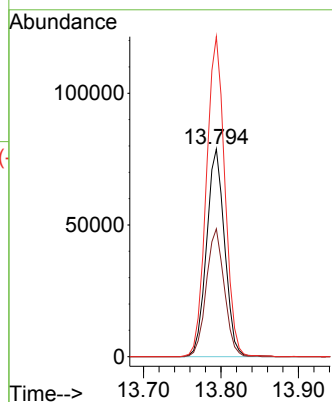
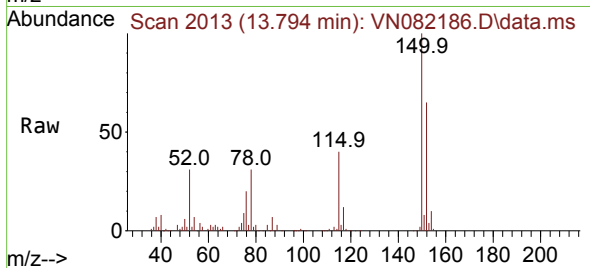




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN082186.D
Acq: 17 May 2024 18:10

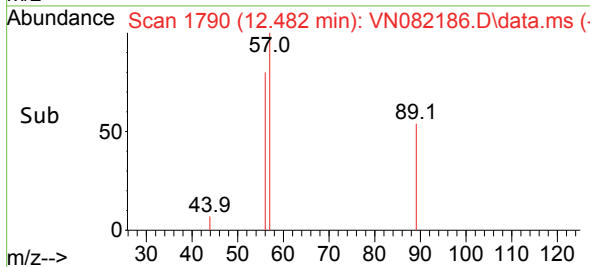
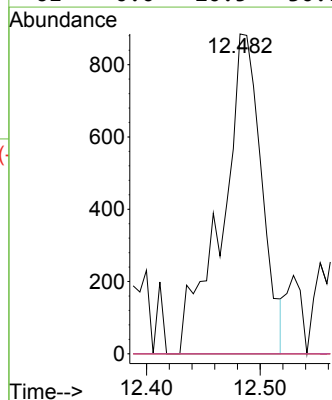
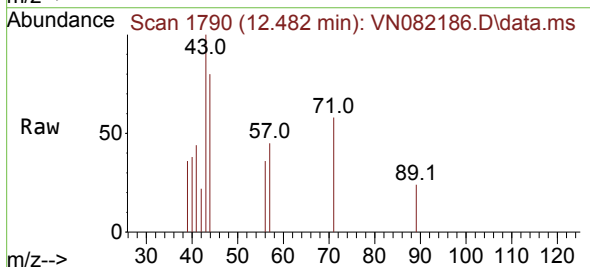
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#04

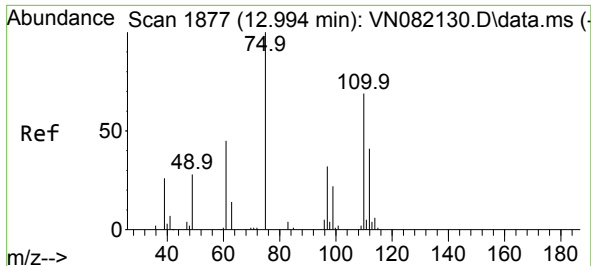
Tgt Ion:152 Resp: 127918
Ion Ratio Lower Upper
152 100
115 61.3 30.4 91.3
150 157.0 0.0 353.2



#74
N-ethyl acetate
Concen: 0.384 ug/l
RT: 12.482 min Scan# 1790
Delta R.T. -0.012 min
Lab File: VN082186.D
Acq: 17 May 2024 18:10

Tgt Ion: 43 Resp: 2147
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 0.0 21.3 31.9#
61 0.0 20.5 30.7#

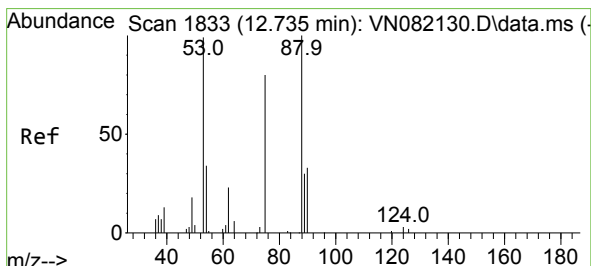
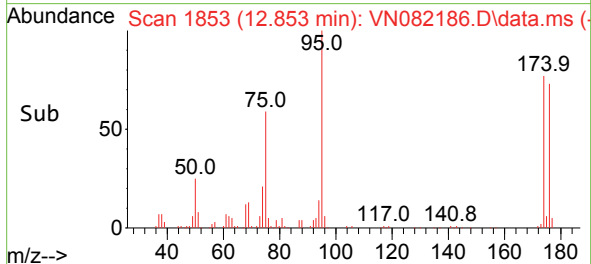
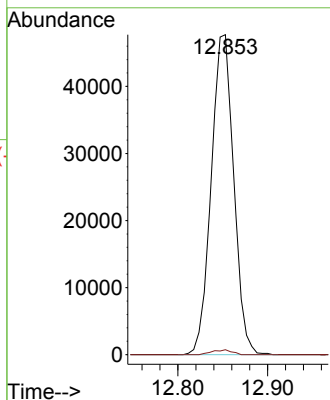
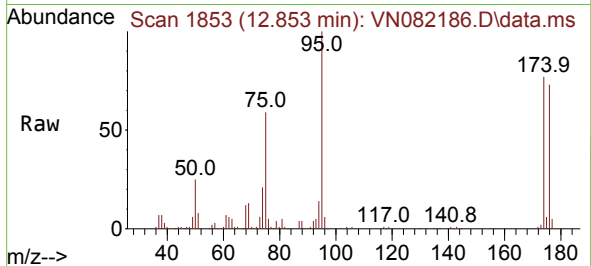




#76
1,2,3-Trichloropropane
Concen: 30.861 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082186.D
Acq: 17 May 2024 18:10

Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#04

Tgt Ion: 75 Resp: 83089
Ion Ratio Lower Upper
75 100
77 1.3 90.5 271.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.182 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN082186.D
Acq: 17 May 2024 18:10

Tgt Ion: 75 Resp: 83089
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.0 39.1 58.7#

