

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051724\
 Data File : VN082187.D
 Acq On : 17 May 2024 18:34
 Operator : JC\MD
 Sample : PB160967ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB160967ZHE#05

Quant Time: May 17 23:15:08 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	178739	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	323245	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	307739	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	127028	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	149978	53.140	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.280%	
35) Dibromofluoromethane	8.165	113	104952	52.781	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.560%	
50) Toluene-d8	10.565	98	415450	54.495	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 109.000%	
62) 4-Bromofluorobenzene	12.853	95	139960	51.436	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 102.880%	
Target Compounds						Qvalue
16) Acetone	4.430	43	17260	14.908	ug/l	92
18) Methyl Acetate	5.047	43	3089	1.071	ug/l #	52
20) Methylene Chloride	5.277	84	7631	3.267	ug/l	88
25) 2-Butanone	7.483	43	1581	0.901	ug/l #	43
31) Cyclohexane	8.230	56	5239	1.162	ug/l #	42
36) 1,1-Dichloropropene	8.230	75	17137	5.139	ug/l #	48
37) Ethyl Acetate	7.565	43	4751	1.273	ug/l #	82
38) Carbon Tetrachloride	8.224	117	19791	5.854	ug/l #	16
43) Isopropyl Acetate	8.688	43	255969	38.706	ug/l #	72
45) 1,2-Dichloropropane	9.741	63	1562	0.609	ug/l #	45
48) Methyl methacrylate	9.741	41	151355	48.031	ug/l #	37
49) 1,4-Dioxane	9.753	88	59	1.336	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	129213	34.389	ug/l #	43
53) t-1,3-Dichloropropene	10.724	75	884	0.240	ug/l #	62
54) cis-1,3-Dichloropropene	10.359	75	48640	12.493	ug/l #	74
56) Ethyl methacrylate	10.982	69	1371	0.372	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6711	1.655	ug/l #	42
59) 2-Hexanone	11.200	43	103079	37.467	ug/l #	47
71) Bromoform	12.841	173	957	1.231	ug/l #	28
74) N-amyl acetate	12.482	43	1969	0.355	ug/l #	39
76) 1,2,3-Trichloropropane	12.847	75	81967	30.657	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	81967	71.707	ug/l #	12

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

Quant Time: May 17 23:15:08 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

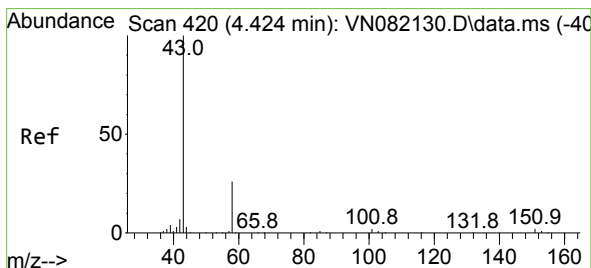
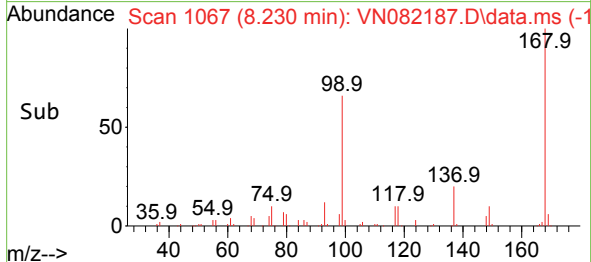
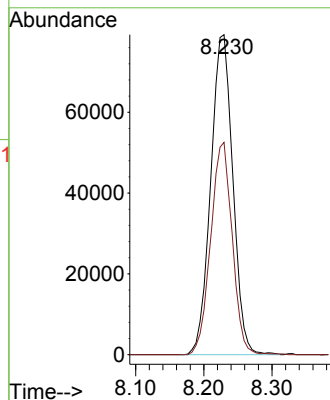
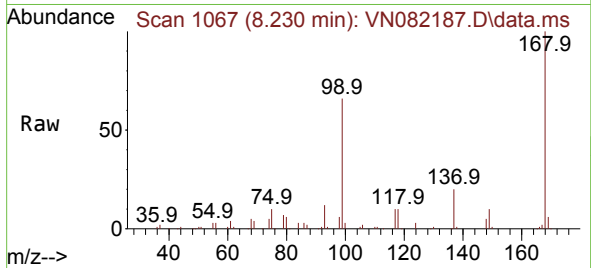




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN082187.D
Acq: 17 May 2024 18:34

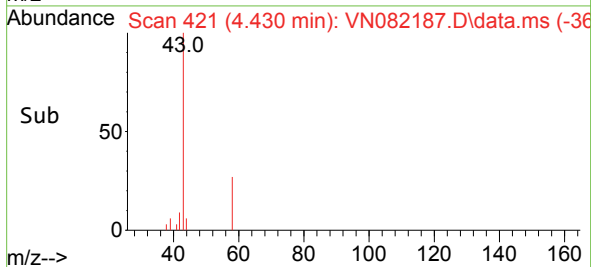
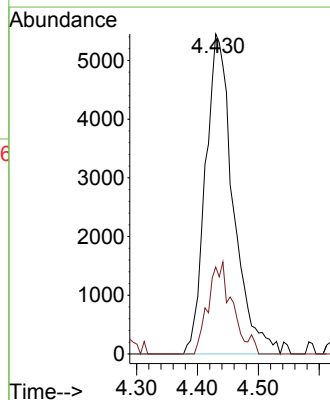
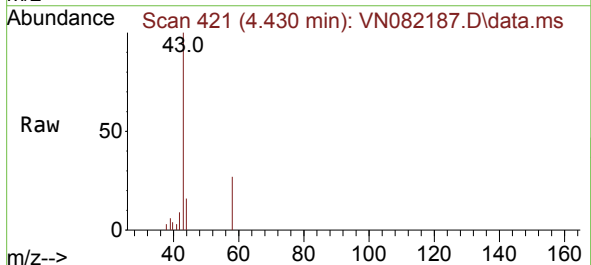
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#05

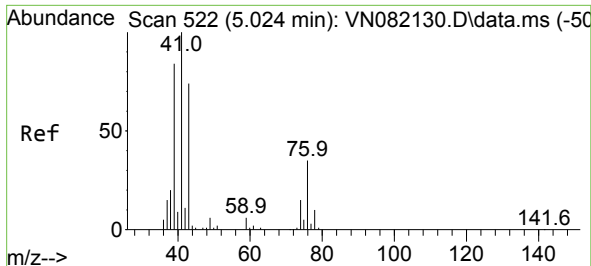
Tgt Ion:168 Resp: 178739
Ion Ratio Lower Upper
168 100
99 66.4 48.2 72.4



#16
Acetone
Concen: 14.908 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN082187.D
Acq: 17 May 2024 18:34

Tgt Ion: 43 Resp: 17260
Ion Ratio Lower Upper
43 100
58 27.2 25.2 37.8

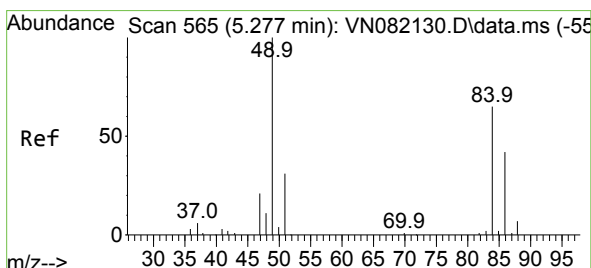
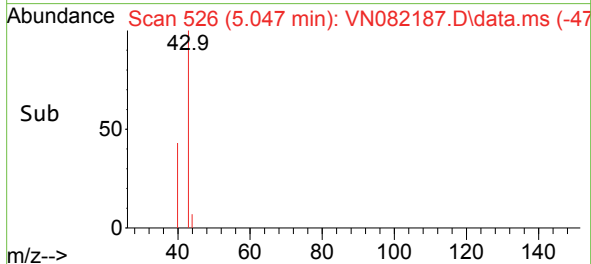
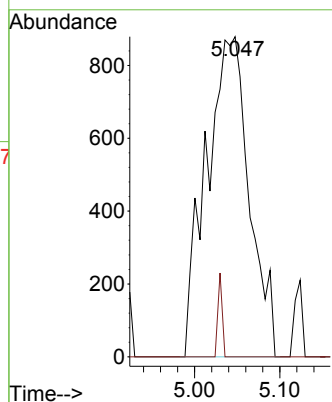
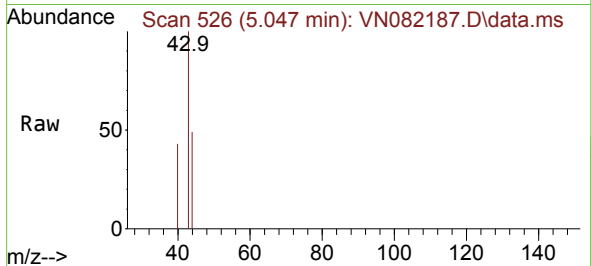




#18
Methyl Acetate
Concen: 1.071 ug/l
RT: 5.047 min Scan# 51
Delta R.T. 0.024 min
Lab File: VN082187.D
Acq: 17 May 2024 18:34

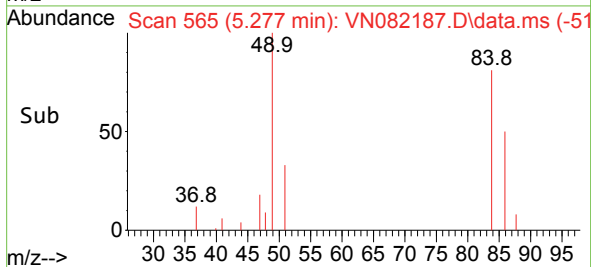
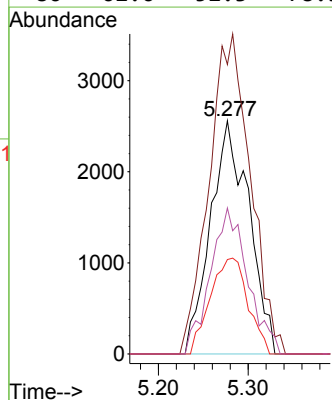
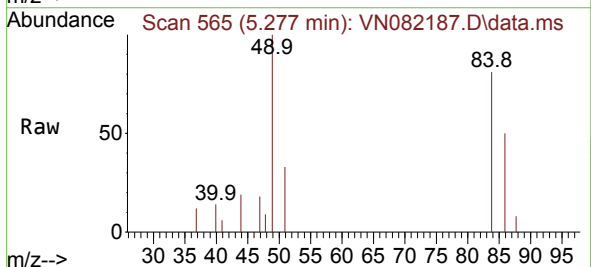
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#05

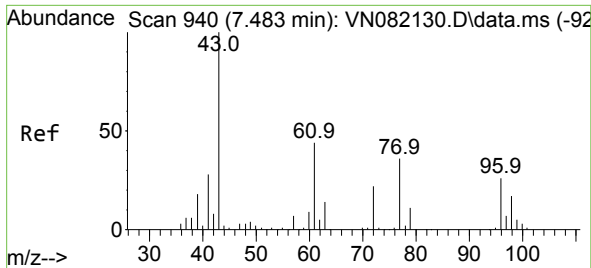
Tgt Ion: 43 Resp: 3089
Ion Ratio Lower Upper
43 100
74 2.6 22.2 33.2#



#20
Methylene Chloride
Concen: 3.267 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.000 min
Lab File: VN082187.D
Acq: 17 May 2024 18:34

Tgt Ion: 84 Resp: 7631
Ion Ratio Lower Upper
84 100
49 124.1 84.9 127.3
51 40.5 27.0 40.6
86 62.6 52.3 78.5

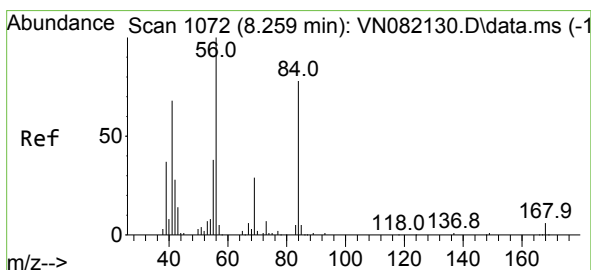
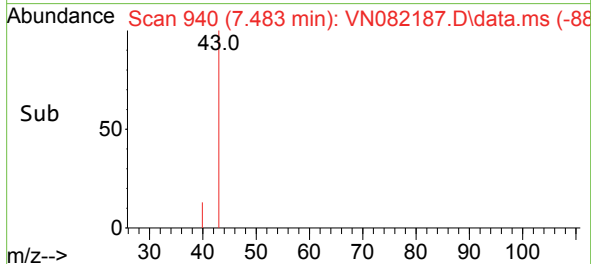
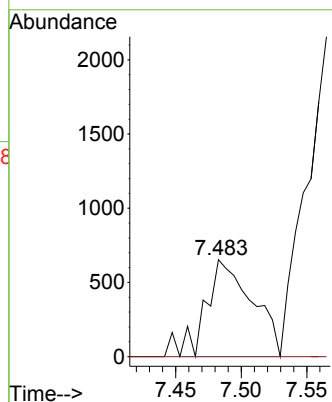
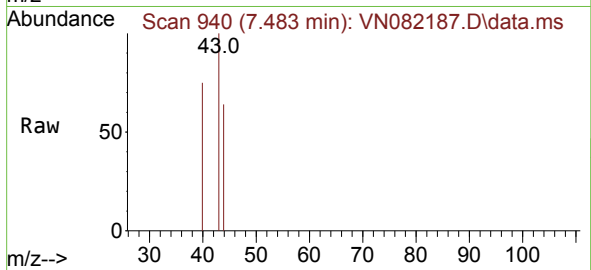




#25
2-Butanone
Concen: 0.901 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN082187.D
Acq: 17 May 2024 18:34

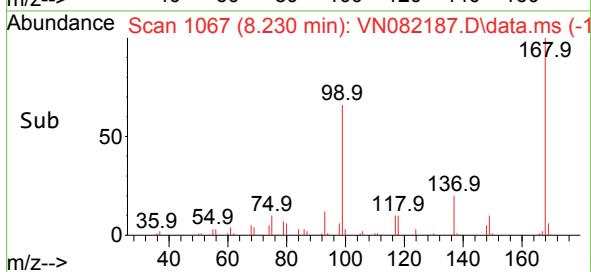
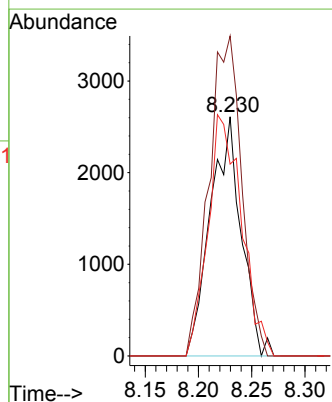
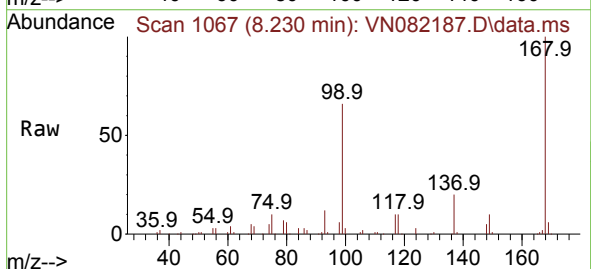
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#05

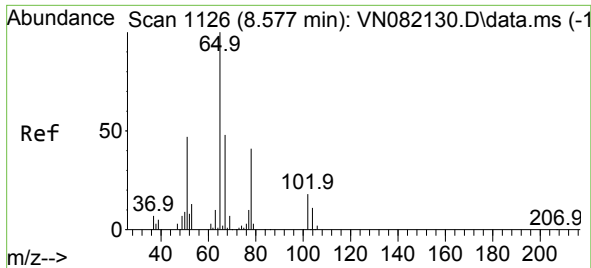
Tgt Ion: 43 Resp: 1581
Ion Ratio Lower Upper
43 100
72 0.0 25.3 37.9#



#31
Cyclohexane
Concen: 1.162 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN082187.D
Acq: 17 May 2024 18:34

Tgt Ion: 56 Resp: 5239
Ion Ratio Lower Upper
56 100
69 133.8 24.4 36.6#
84 80.2 77.0 115.4





#33

1,2-Dichloroethane-d4

Concen: 53.140 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082187.D

Acq: 17 May 2024 18:34

Instrument :

MSVOA_N

ClientSampleId :

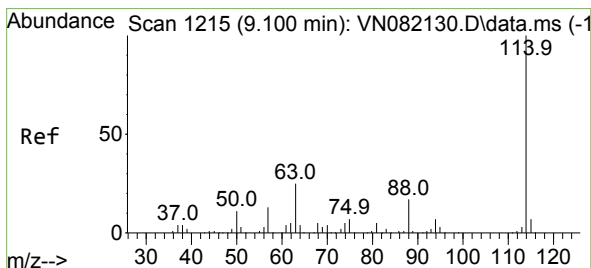
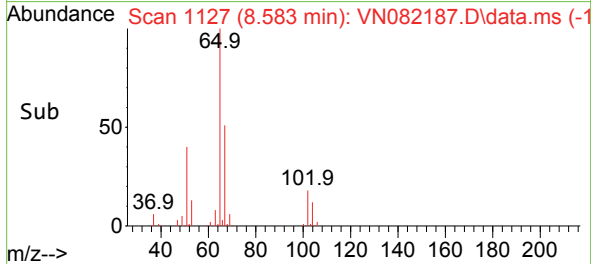
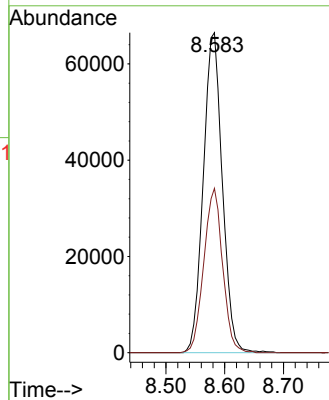
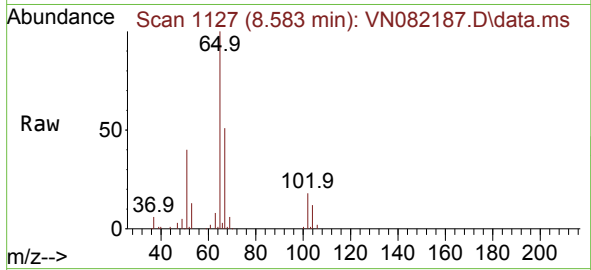
PB160967ZHE#05

Tgt Ion: 65 Resp: 149978

Ion Ratio Lower Upper

65 100

67 50.6 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN082187.D

Acq: 17 May 2024 18:34

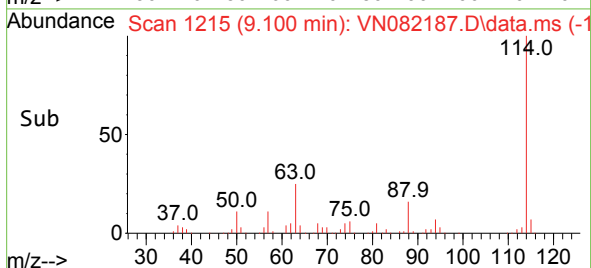
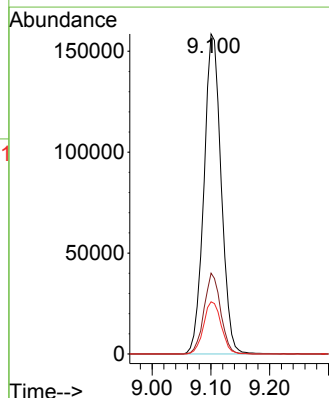
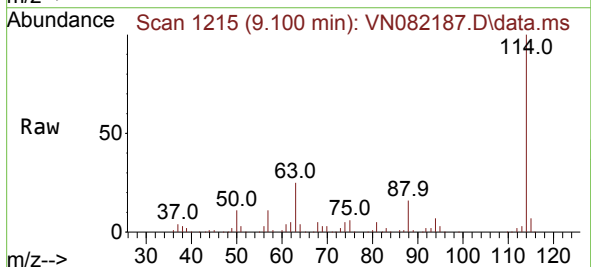
Tgt Ion: 114 Resp: 323245

Ion Ratio Lower Upper

114 100

63 25.3 0.0 41.0

88 16.3 0.0 31.4

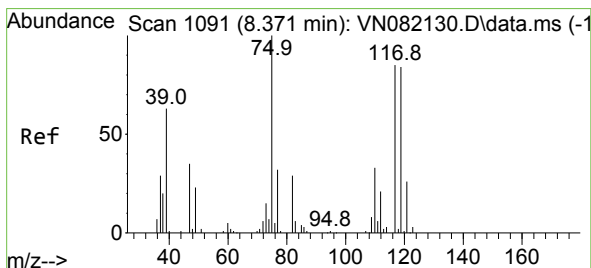
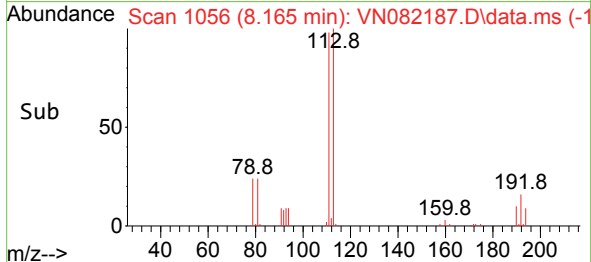
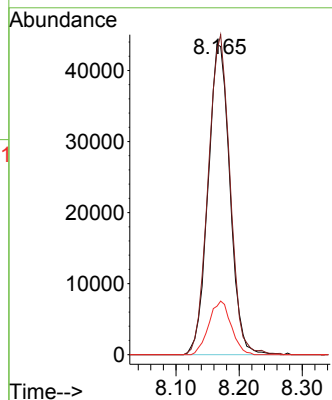
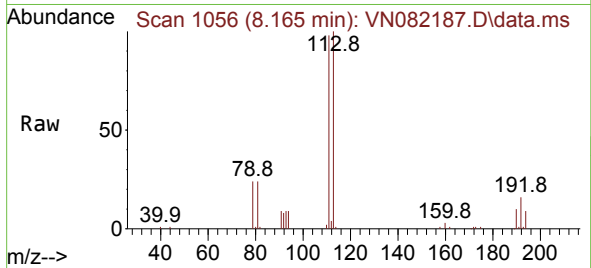




#35
Dibromofluoromethane
Concen: 52.781 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN082187.D
Acq: 17 May 2024 18:34

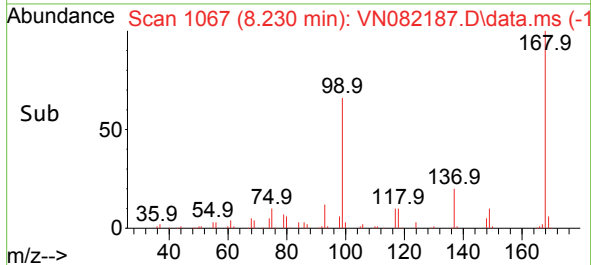
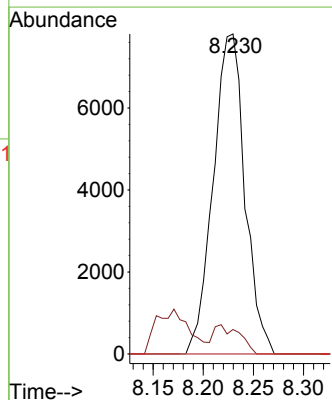
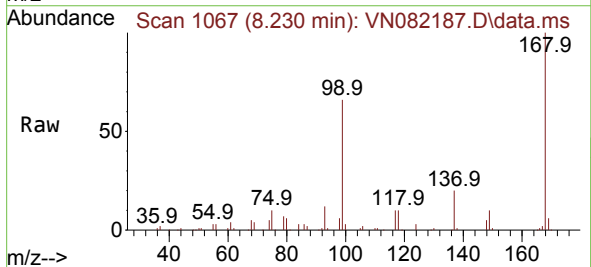
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#05

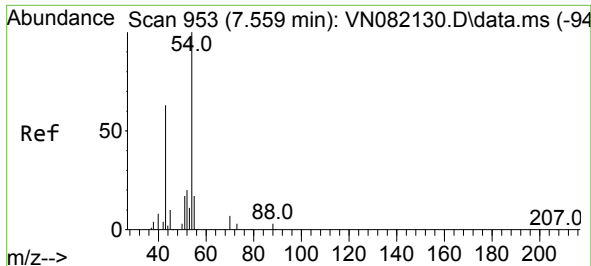
Tgt Ion:113 Resp: 104952
Ion Ratio Lower Upper
113 100
111 102.9 83.4 125.2
192 17.7 14.0 21.0



#36
1,1-Dichloropropene
Concen: 5.139 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN082187.D
Acq: 17 May 2024 18:34

Tgt Ion: 75 Resp: 17137
Ion Ratio Lower Upper
75 100
110 7.3 17.8 53.5#
77 0.0 25.0 37.4#

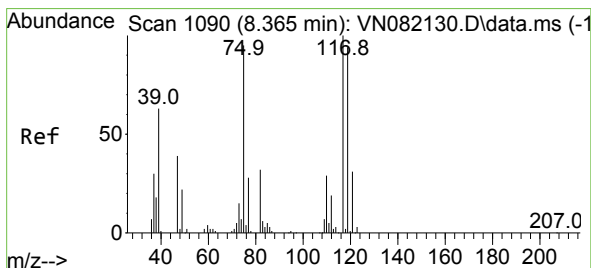
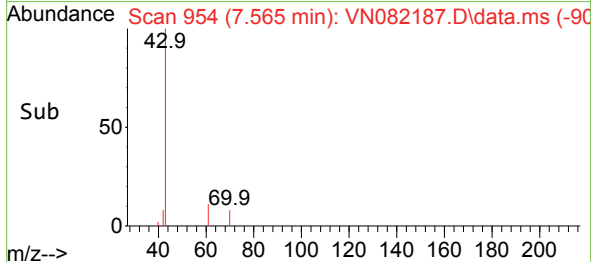
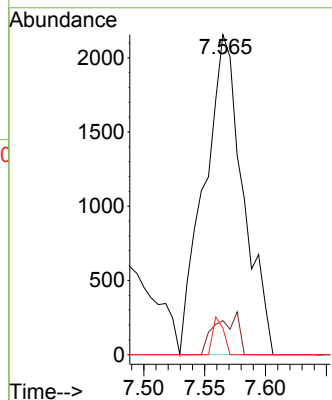
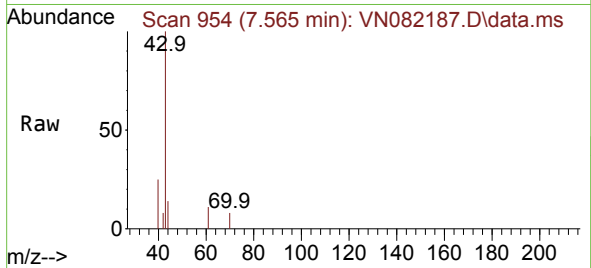




#37
Ethyl Acetate
Concen: 1.273 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN082187.D
Acq: 17 May 2024 18:34

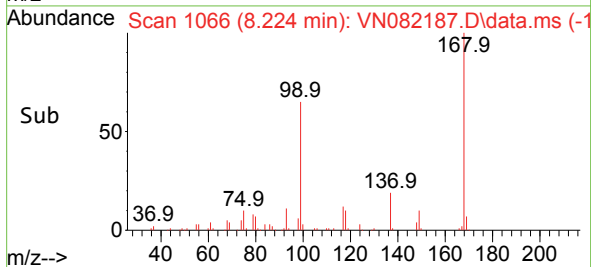
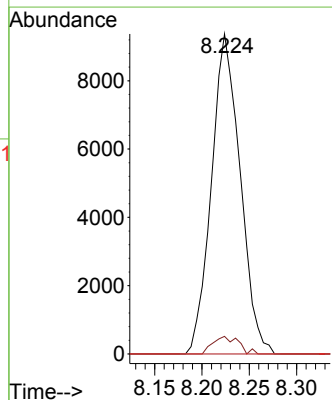
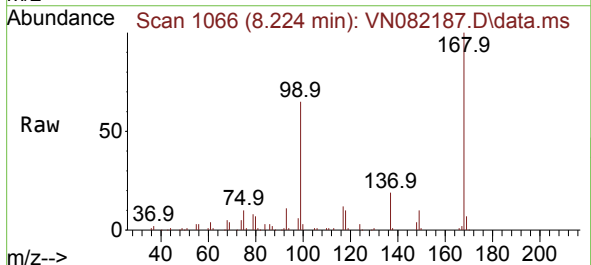
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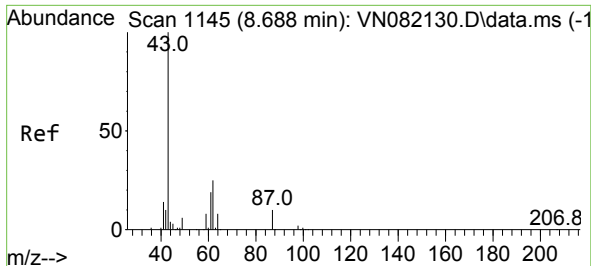
Tgt Ion: 43 Resp: 4751
Ion Ratio Lower Upper
43 100
61 7.8 11.3 16.9#
70 3.2 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 5.854 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN082187.D
Acq: 17 May 2024 18:34

Tgt Ion: 117 Resp: 19791
Ion Ratio Lower Upper
117 100
119 5.5 76.5 114.7#
121 0.0 23.9 35.9#

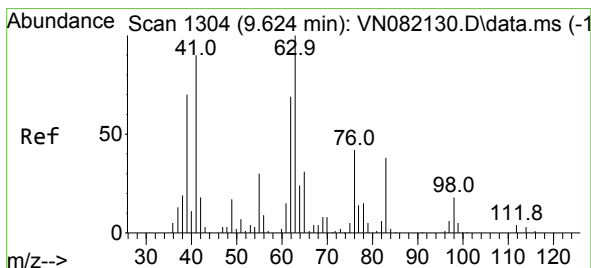
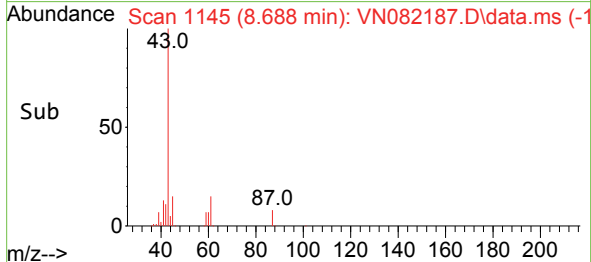
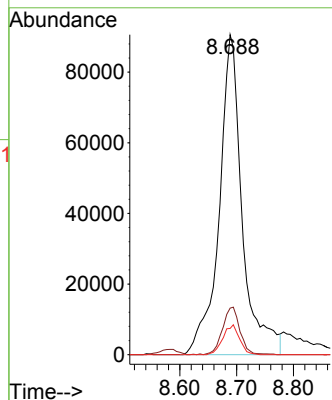
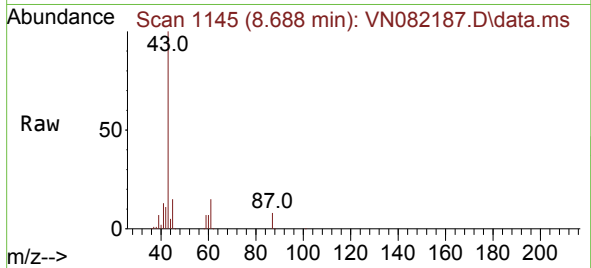




#43
Isopropyl Acetate
Concen: 38.706 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN082187.D
Acq: 17 May 2024 18:34

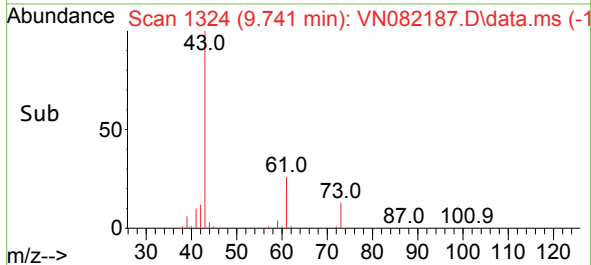
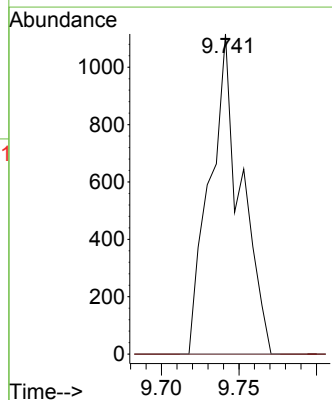
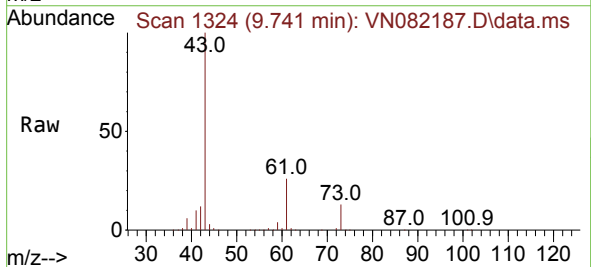
Instrument :
MSVOA_N
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PB160967ZHE#05

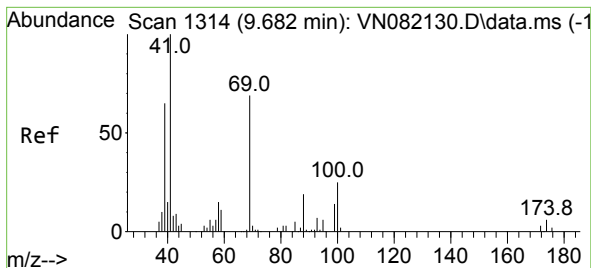
Tgt Ion: 43 Resp: 255969
Ion Ratio Lower Upper
43 100
61 11.3 22.8 34.2#
87 6.7 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.609 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN082187.D
Acq: 17 May 2024 18:34

Tgt Ion: 63 Resp: 1562
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#





#48

Methyl methacrylate

Concen: 48.031 ug/l

RT: 9.741 min Scan# 1

Delta R.T. 0.059 min

Lab File: VN082187.D

Acq: 17 May 2024 18:34

Instrument :

MSVOA_N

ClientSampleId :

PB160967ZHE#05

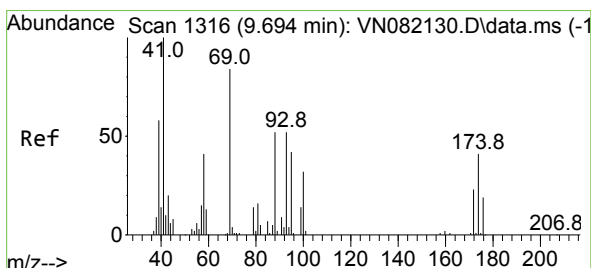
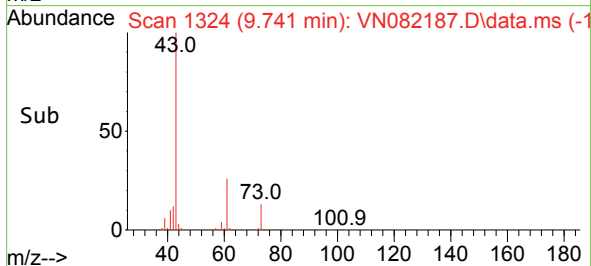
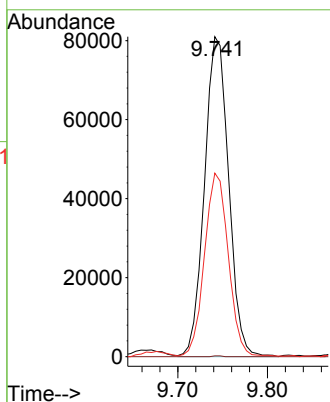
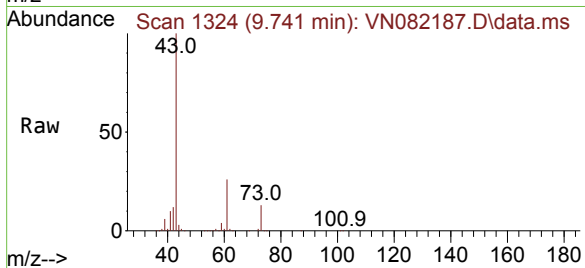
Tgt Ion: 41 Resp: 151355

Ion Ratio Lower Upper

41 100

69 0.1 77.9 116.9#

39 56.3 50.9 76.3



#49

1,4-Dioxane

Concen: 1.336 ug/l

RT: 9.753 min Scan# 1326

Delta R.T. 0.059 min

Lab File: VN082187.D

Acq: 17 May 2024 18:34

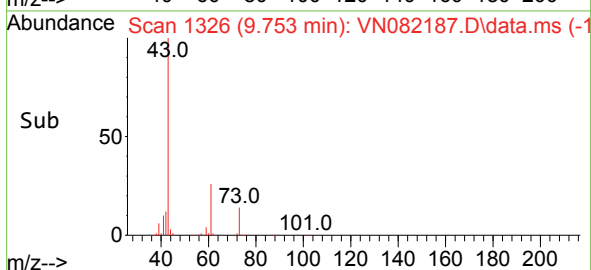
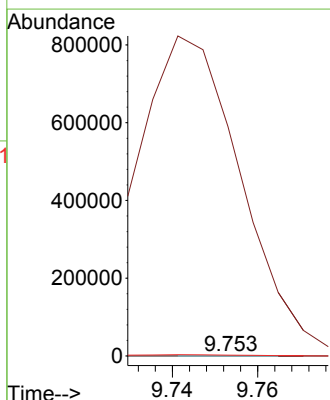
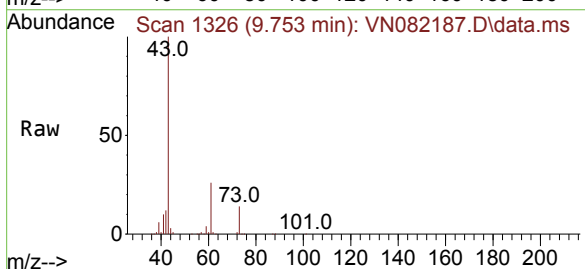
Tgt Ion: 88 Resp: 59

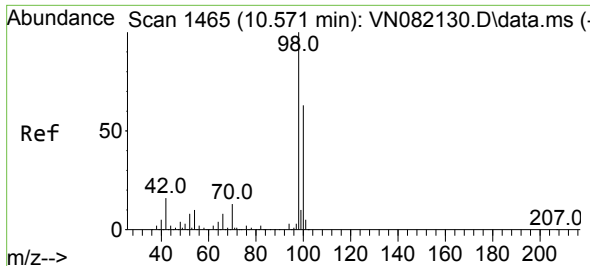
Ion Ratio Lower Upper

88 100

43 2505127.1 19.0 28.6#

58 10710.2 50.6 76.0#

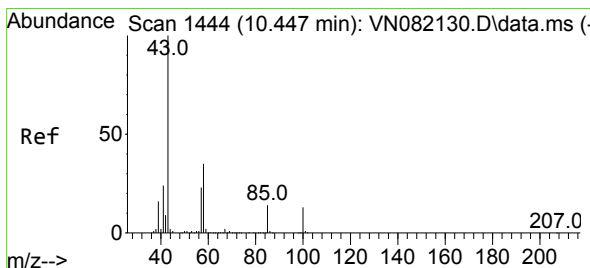
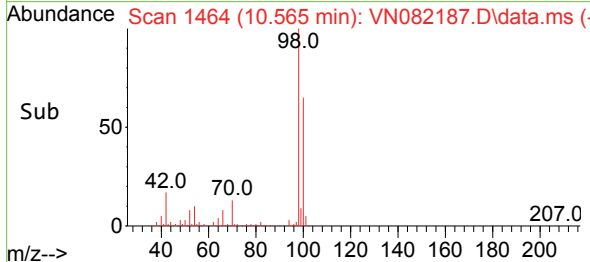
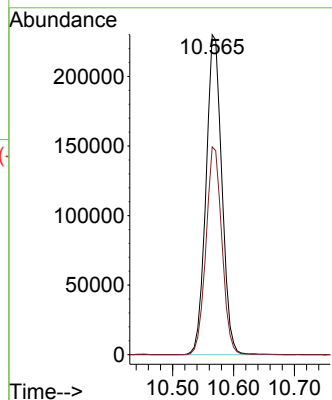
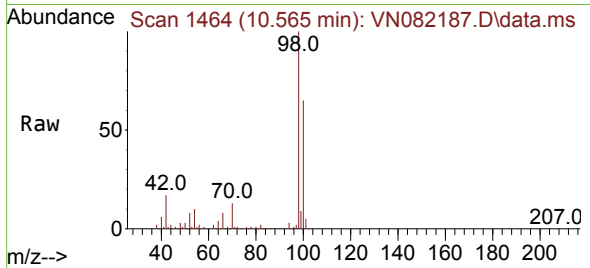




#50
Toluene-d8
Concen: 54.495 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN082187.D
Acq: 17 May 2024 18:34

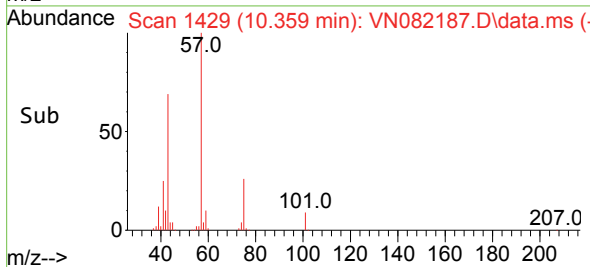
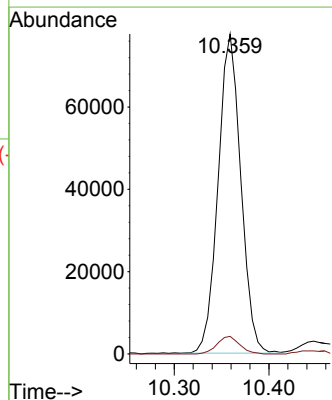
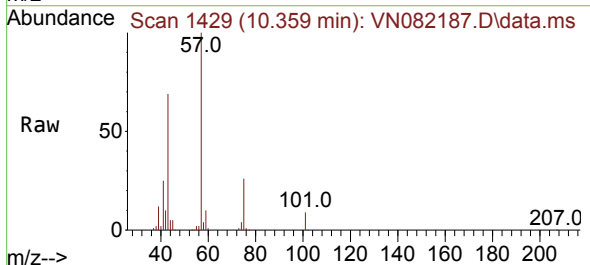
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#05

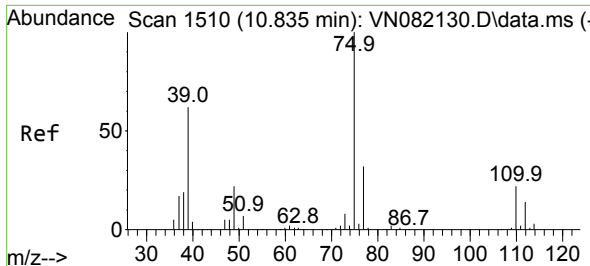
Tgt Ion: 98 Resp: 415450
Ion Ratio Lower Upper
98 100
100 65.3 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 34.389 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN082187.D
Acq: 17 May 2024 18:34

Tgt Ion: 43 Resp: 129213
Ion Ratio Lower Upper
43 100
58 5.5 33.2 49.8#

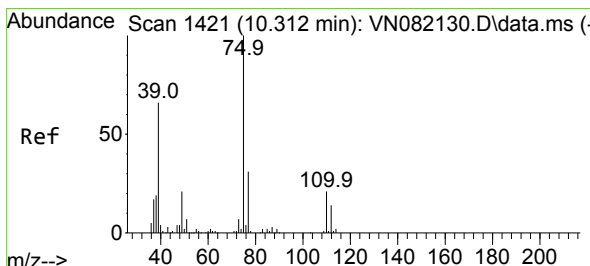
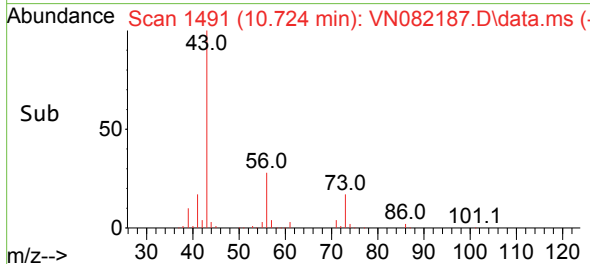
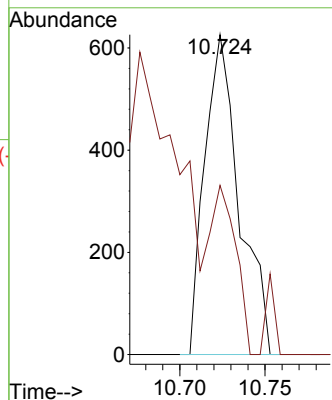
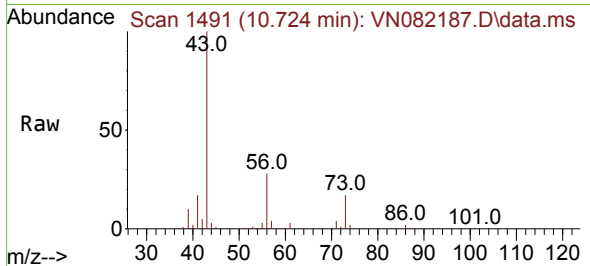




#53
 t-1,3-Dichloropropene
 Concen: 0.240 ug/l
 RT: 10.724 min Scan# 1491
 Delta R.T. -0.112 min
 Lab File: VN082187.D
 Acq: 17 May 2024 18:34

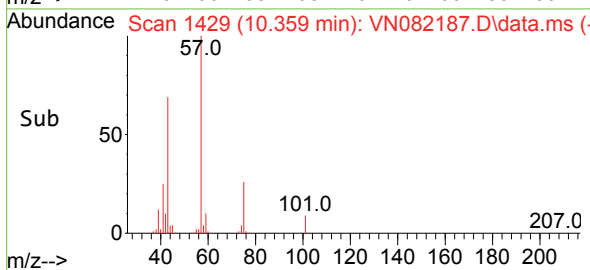
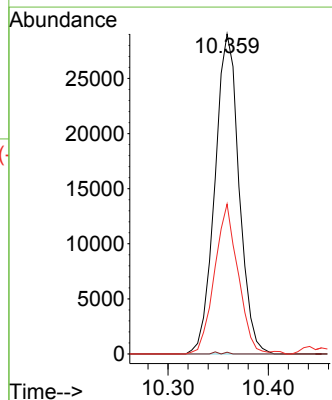
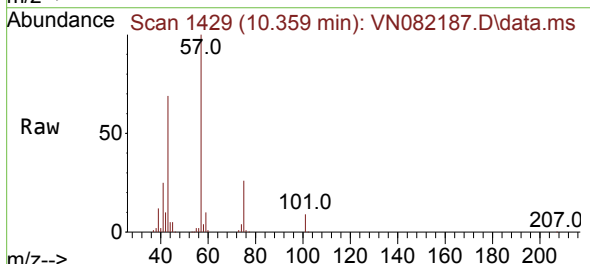
Instrument :
 MSVOA_N
 ClientSampleId :
 PB160967ZHE#05

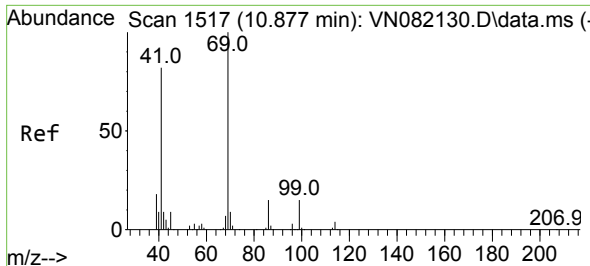
Tgt Ion: 75 Resp: 884
 Ion Ratio Lower Upper
 75 100
 77 52.9 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 12.493 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082187.D
 Acq: 17 May 2024 18:34

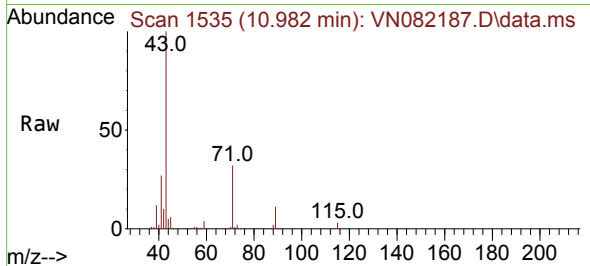
Tgt Ion: 75 Resp: 48640
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.4#
 39 46.9 34.8 52.2



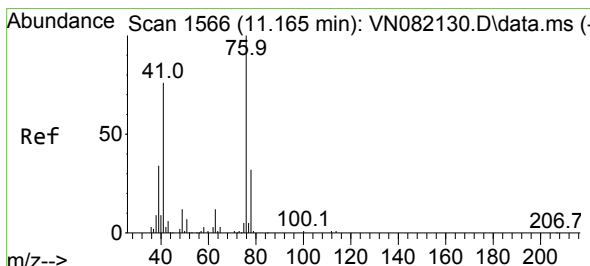
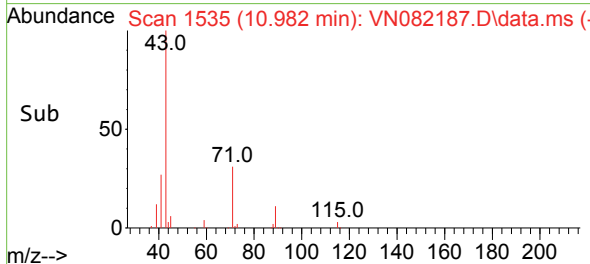
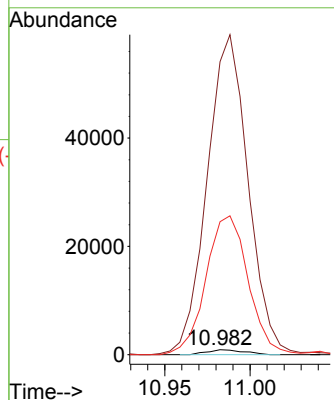


#56
Ethyl methacrylate
Concen: 0.372 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN082187.D
Acq: 17 May 2024 18:34

Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#05

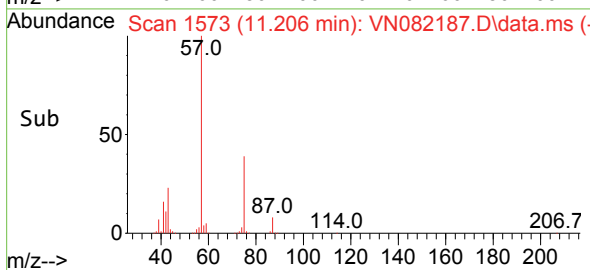
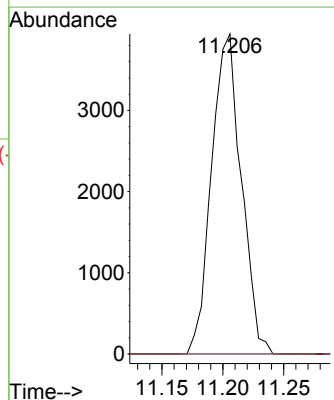
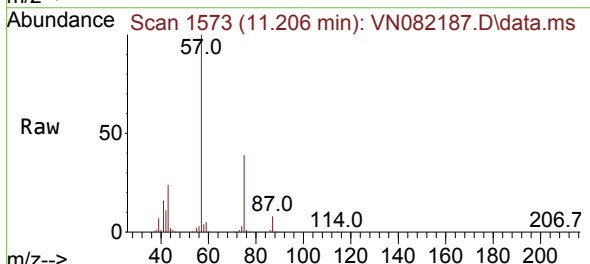


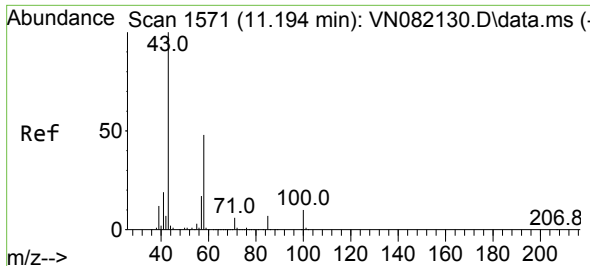
Tgt Ion: 69 Resp: 1371
Ion Ratio Lower Upper
69 100
41 7245.8 46.6 70.0#
39 3224.8 26.5 39.7#



#57
1,3-Dichloropropane
Concen: 1.655 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082187.D
Acq: 17 May 2024 18:34

Tgt Ion: 76 Resp: 6711
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

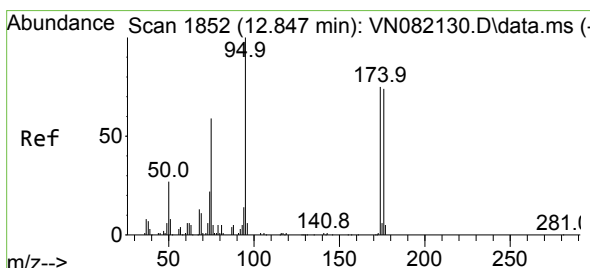
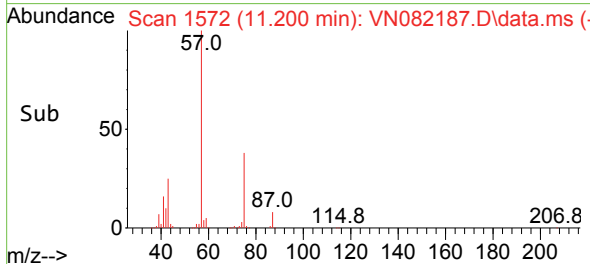
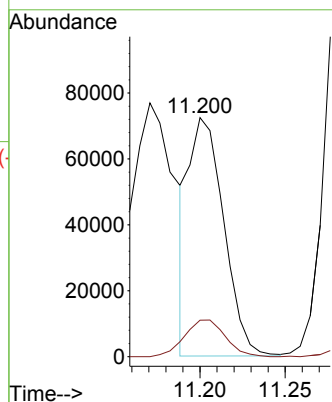
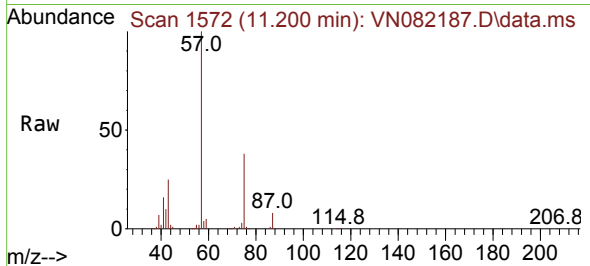




#59
2-Hexanone
Concen: 37.467 ug/l
RT: 11.200 min Scan# 111
Delta R.T. 0.006 min
Lab File: VN082187.D
Acq: 17 May 2024 18:34

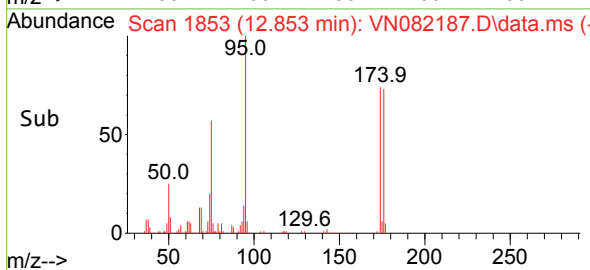
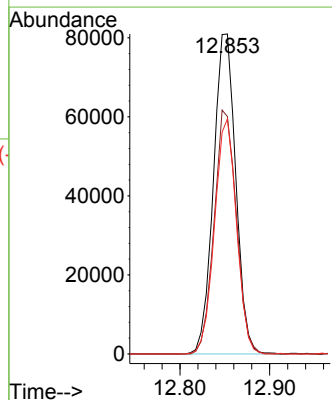
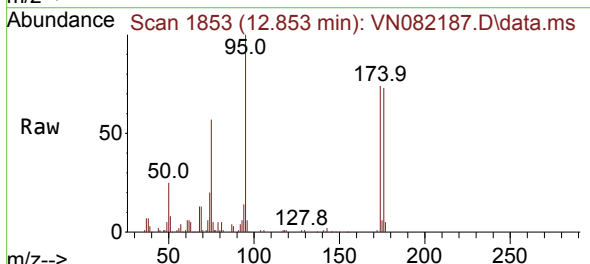
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#05

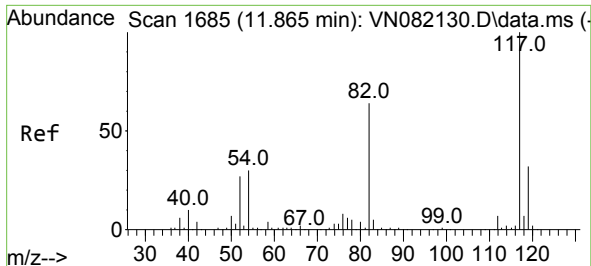
Tgt Ion: 43 Resp: 103079
Ion Ratio Lower Upper
43 100
58 18.1 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 51.436 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082187.D
Acq: 17 May 2024 18:34

Tgt Ion: 95 Resp: 139960
Ion Ratio Lower Upper
95 100
174 76.0 0.0 160.6
176 72.2 0.0 152.8

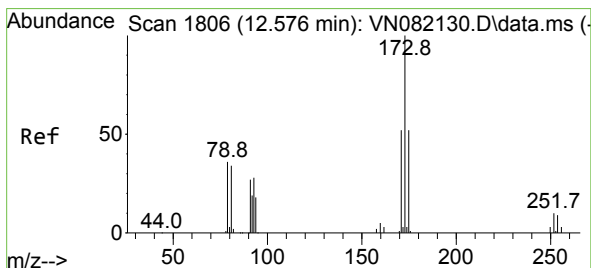
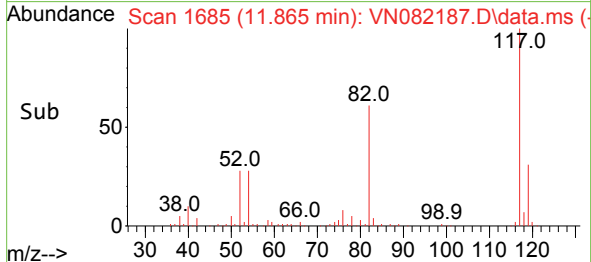
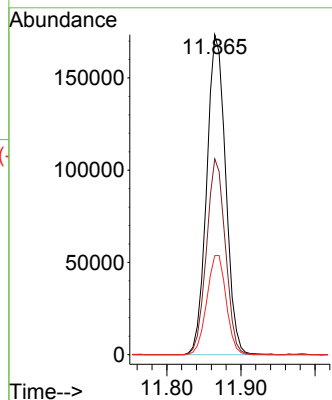
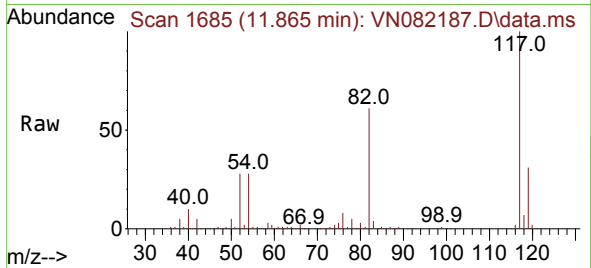




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN082187.D
Acq: 17 May 2024 18:34

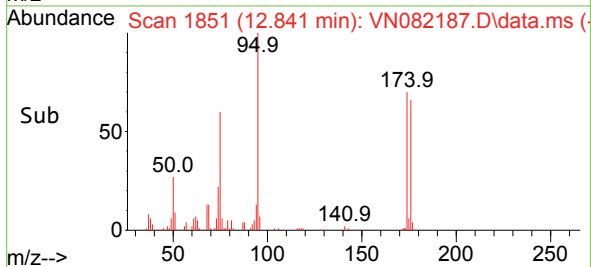
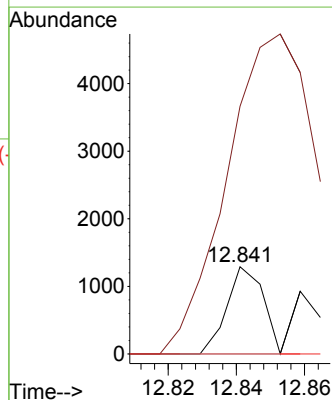
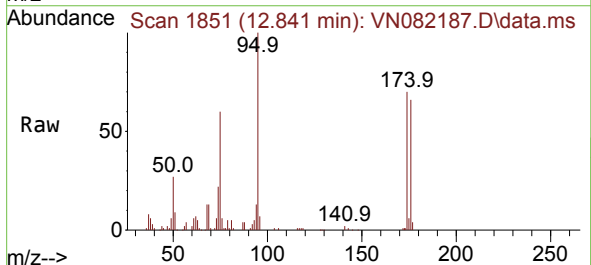
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#05

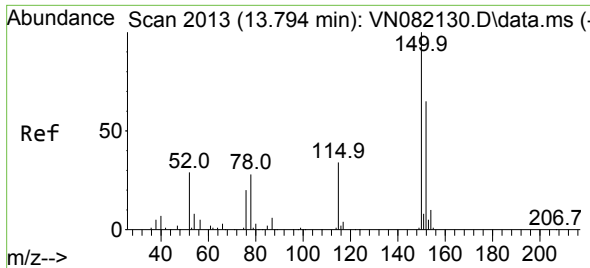
Tgt Ion:117 Resp: 307739
Ion Ratio Lower Upper
117 100
82 61.2 44.6 66.8
119 31.0 25.9 38.9



#71
Bromoform
Concen: 1.231 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN082187.D
Acq: 17 May 2024 18:34

Tgt Ion:173 Resp: 957
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0

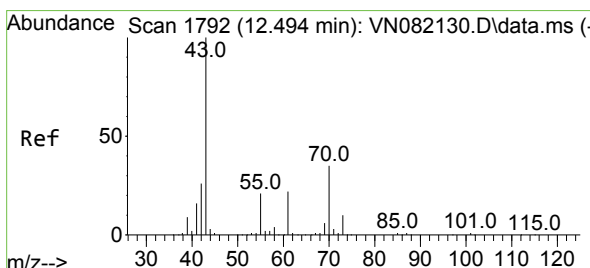
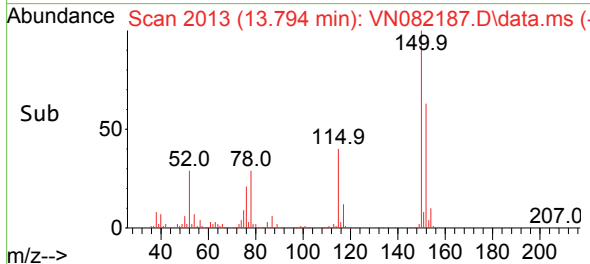
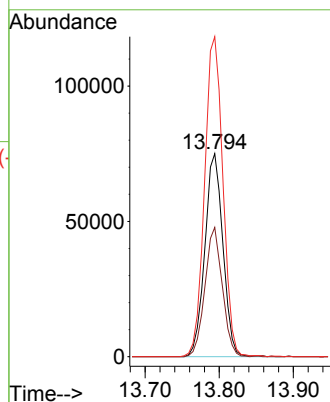
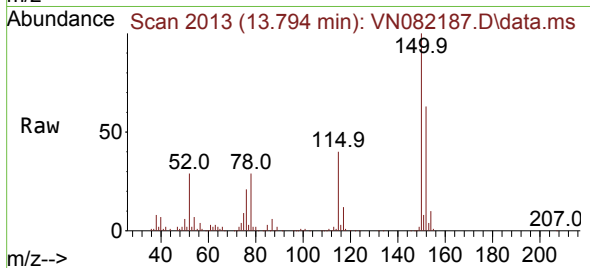




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082187.D
Acq: 17 May 2024 18:34

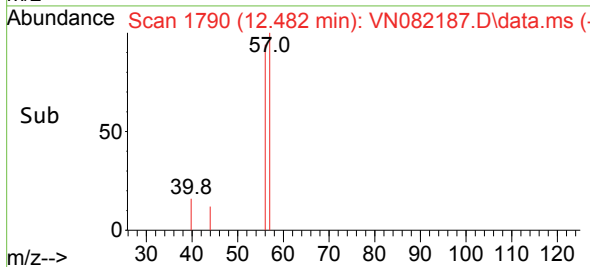
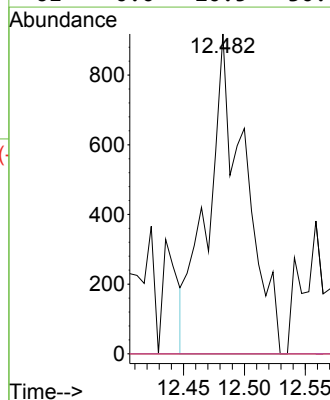
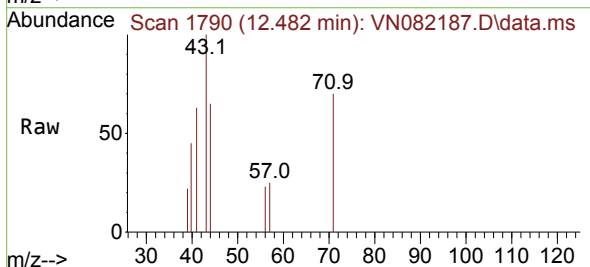
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#05

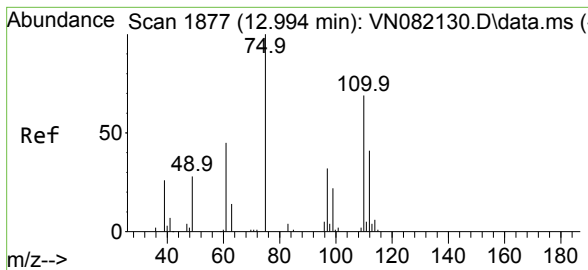
Tgt Ion:152 Resp: 127028
Ion Ratio Lower Upper
152 100
115 61.3 30.4 91.3
150 159.4 0.0 353.2



#74
N-ethyl acetate
Concen: 0.355 ug/l
RT: 12.482 min Scan# 1790
Delta R.T. -0.012 min
Lab File: VN082187.D
Acq: 17 May 2024 18:34

Tgt Ion: 43 Resp: 1969
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#

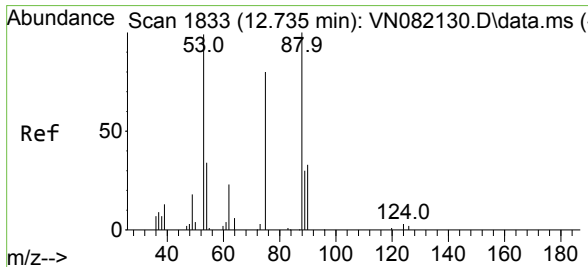
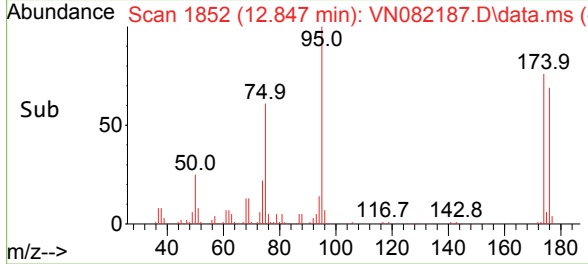
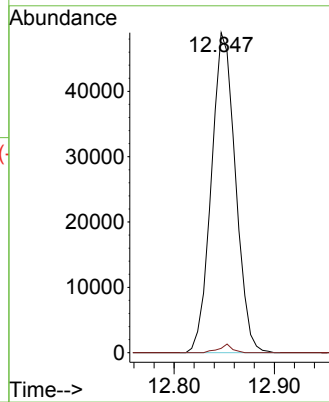
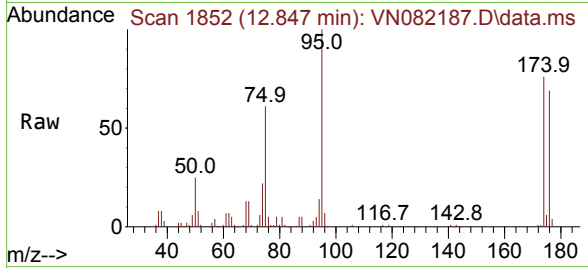




#76
1,2,3-Trichloropropane
Concen: 30.657 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082187.D
Acq: 17 May 2024 18:34

Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#05

Tgt Ion: 75 Resp: 81967
Ion Ratio Lower Upper
75 100
77 1.4 90.5 271.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.707 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN082187.D
Acq: 17 May 2024 18:34

Tgt Ion: 75 Resp: 81967
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.0 39.1 58.7#

