

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051724\
 Data File : VN082185.D
 Acq On : 17 May 2024 17:46
 Operator : JC\MD
 Sample : PB160967ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB160967ZHE#03

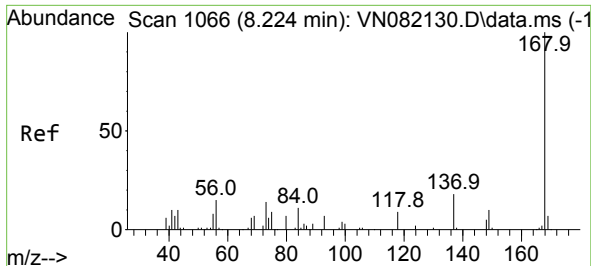
Quant Time: May 17 23:14:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	173029	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	313139	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	302032	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	122114	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	145555	53.274	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.540%	
35) Dibromofluoromethane	8.171	113	101527	52.706	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.420%	
50) Toluene-d8	10.571	98	407294	55.150	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 110.300%	
62) 4-Bromofluorobenzene	12.853	95	134315	50.955	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 101.900%	
Target Compounds						Qvalue
5) Bromomethane	2.965	94	327	0.214	ug/l	81
13) Acrolein	4.177	56	85	0.262	ug/l #	15
16) Acetone	4.436	43	15161	13.527	ug/l	91
18) Methyl Acetate	5.030	43	1369	0.490	ug/l #	57
20) Methylene Chloride	5.283	84	6302	2.787	ug/l #	77
25) 2-Butanone	7.488	43	795	0.468	ug/l #	43
31) Cyclohexane	8.224	56	5128	1.175	ug/l #	47
36) 1,1-Dichloropropene	8.224	75	16282	5.040	ug/l #	48
37) Ethyl Acetate	7.571	43	4457	1.233	ug/l #	86
38) Carbon Tetrachloride	8.224	117	18804	5.742	ug/l #	14
42) 1,2-Dichloroethane	8.677	62	1096	0.296	ug/l #	73
43) Isopropyl Acetate	8.688	43	267049	41.684	ug/l #	71
45) 1,2-Dichloropropane	9.747	63	1569	0.631	ug/l #	45
48) Methyl methacrylate	9.741	41	152921	50.094	ug/l #	37
51) 4-Methyl-2-Pentanone	10.359	43	131902	36.237	ug/l #	43
53) t-1,3-Dichloropropene	10.723	75	893	0.251	ug/l #	67
54) cis-1,3-Dichloropropene	10.359	75	49832	13.213	ug/l #	76
56) Ethyl methacrylate	10.994	69	1484	0.416	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6191	1.576	ug/l #	42
59) 2-Hexanone	11.200	43	103970	39.010	ug/l #	47
71) Bromoform	12.576	173	53	0.731	ug/l #	28
74) N-amyl acetate	12.488	43	1755	0.329	ug/l #	41
76) 1,2,3-Trichloropropane	12.847	75	80239	31.219	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	80239	73.020	ug/l #	12

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

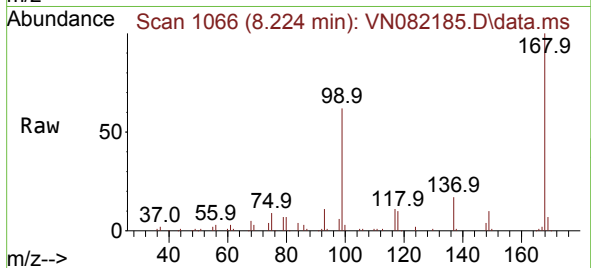
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Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
Response via : Initial Calibration



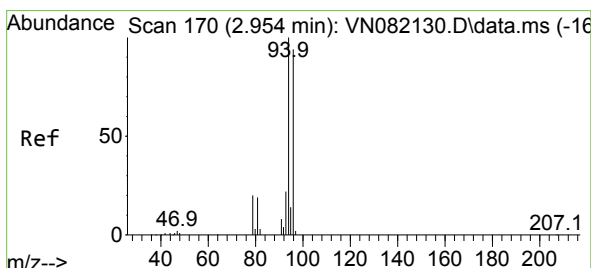
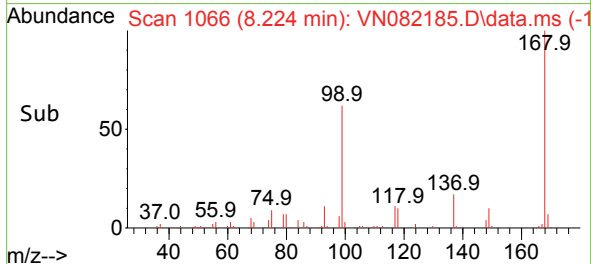
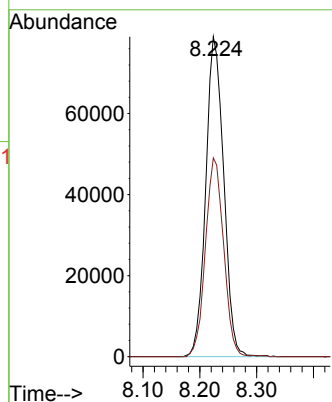


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN082185.D
Acq: 17 May 2024 17:46

Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#03

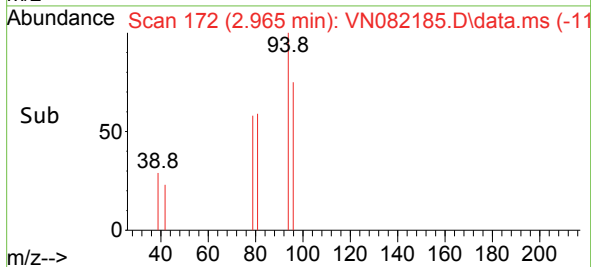
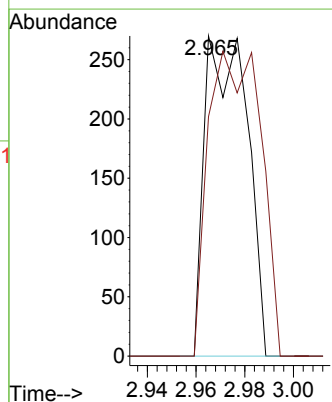
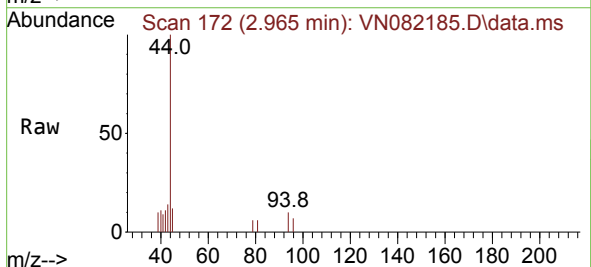


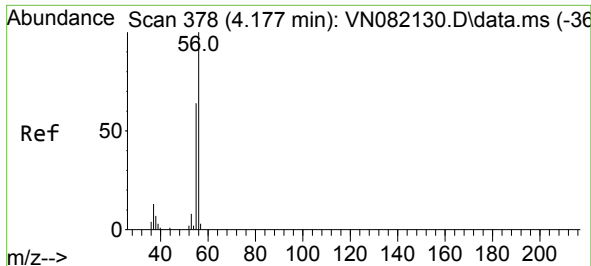
Tgt Ion:168 Resp: 173029
Ion Ratio Lower Upper
168 100
99 62.1 48.2 72.4



#5
Bromomethane
Concen: 0.214 ug/l
RT: 2.965 min Scan# 172
Delta R.T. 0.012 min
Lab File: VN082185.D
Acq: 17 May 2024 17:46

Tgt Ion: 94 Resp: 327
Ion Ratio Lower Upper
94 100
96 74.8 74.8 112.2

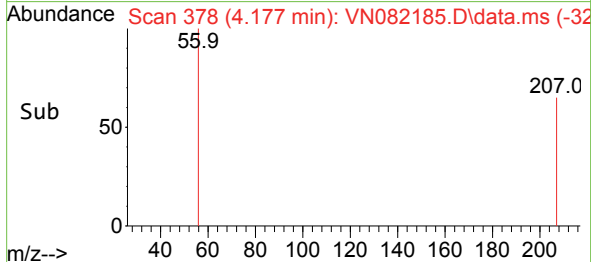
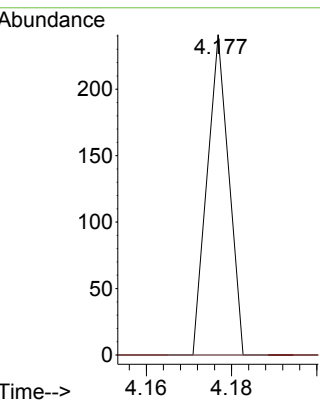
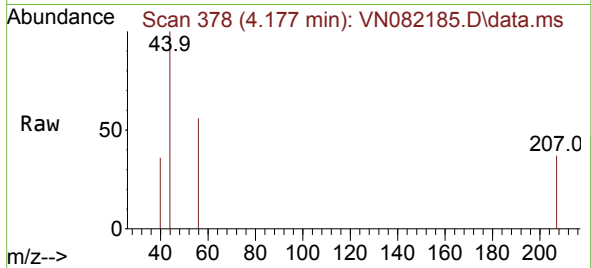




#13
Acrolein
Concen: 0.262 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN082185.D
Acq: 17 May 2024 17:46

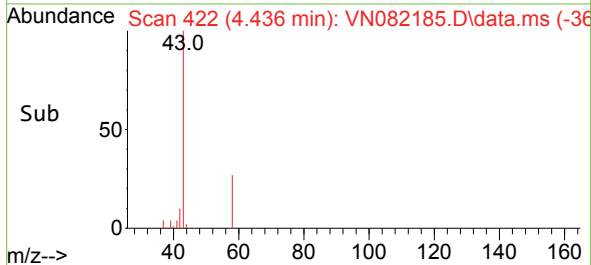
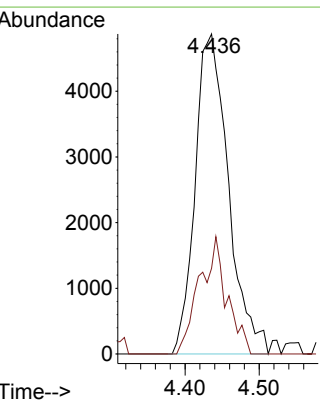
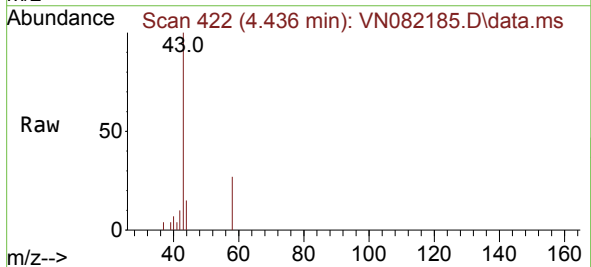
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#03

Tgt Ion: 56 Resp: 85
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#



#16
Acetone
Concen: 13.527 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN082185.D
Acq: 17 May 2024 17:46

Tgt Ion: 43 Resp: 15161
Ion Ratio Lower Upper
43 100
58 26.8 25.2 37.8

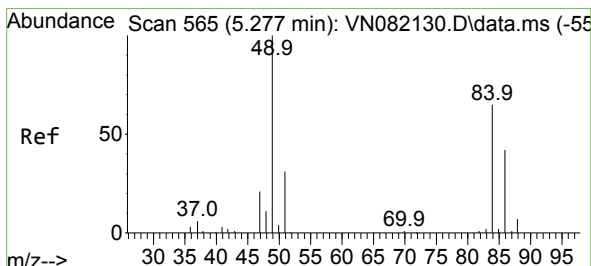
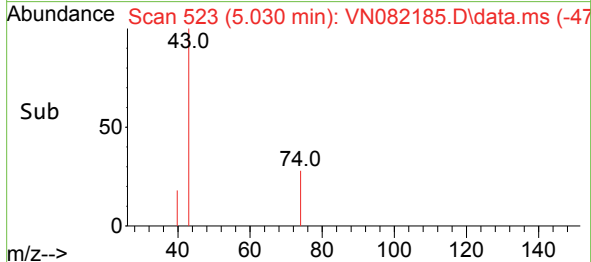
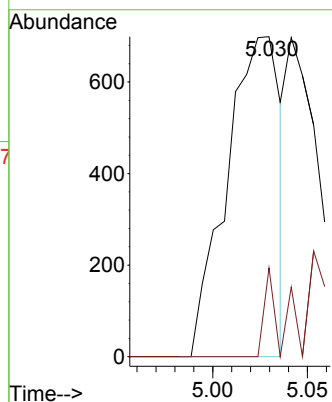
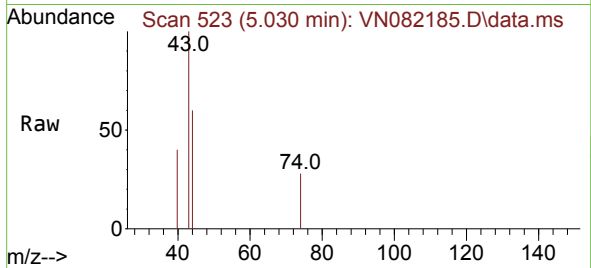




#18
Methyl Acetate
Concen: 0.490 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082185.D
Acq: 17 May 2024 17:46

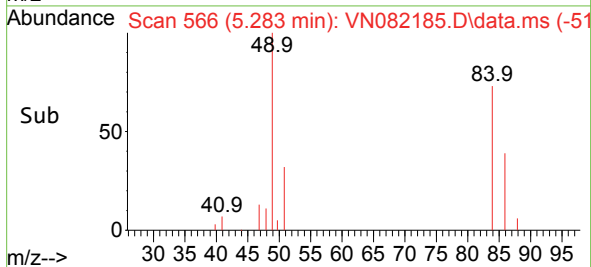
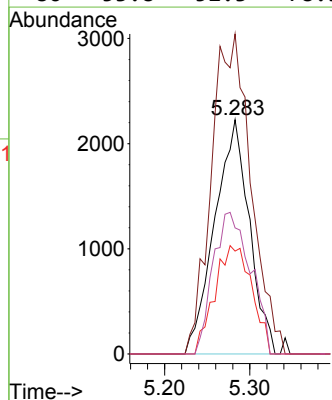
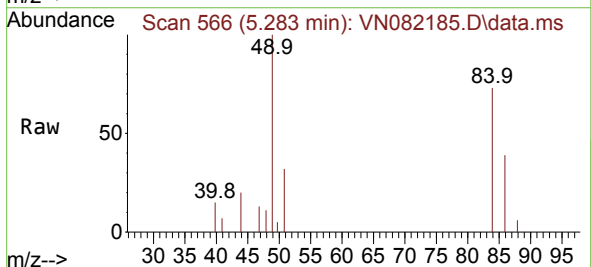
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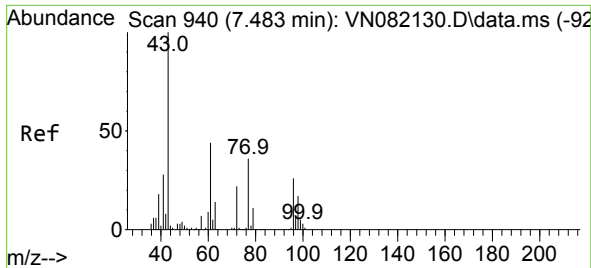
Tgt Ion: 43 Resp: 1369
Ion Ratio Lower Upper
43 100
74 5.0 22.2 33.2#



#20
Methylene Chloride
Concen: 2.787 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN082185.D
Acq: 17 May 2024 17:46

Tgt Ion: 84 Resp: 6302
Ion Ratio Lower Upper
84 100
49 136.6 84.9 127.3#
51 44.0 27.0 40.6#
86 53.8 52.3 78.5

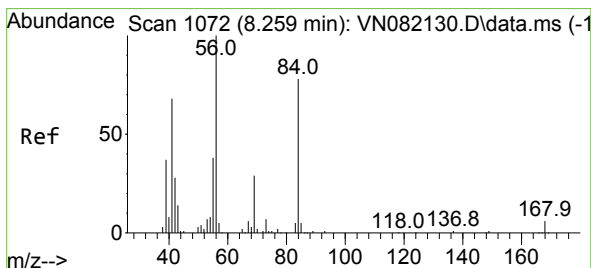
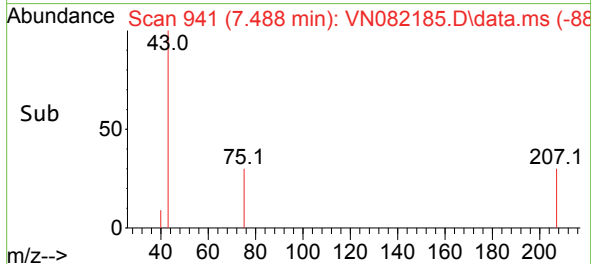
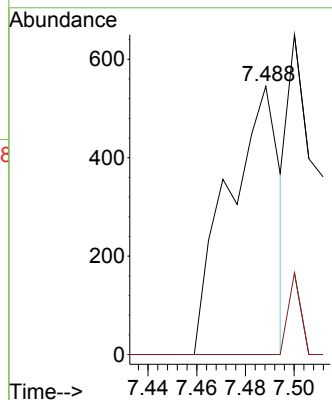
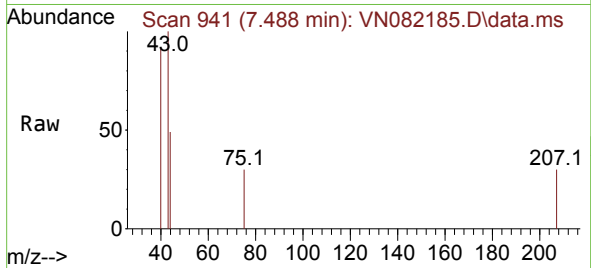




#25
2-Butanone
Concen: 0.468 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082185.D
Acq: 17 May 2024 17:46

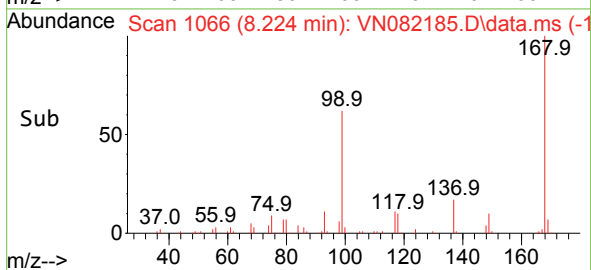
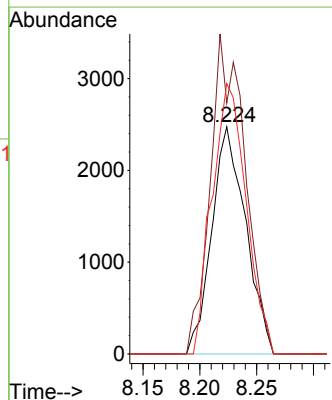
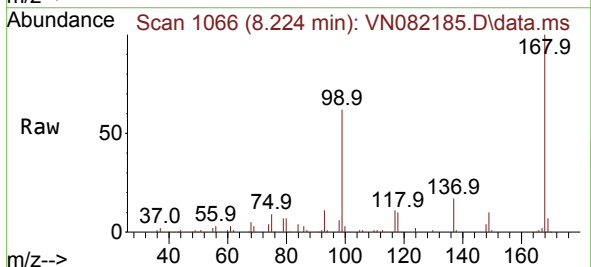
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#03

Tgt Ion: 43 Resp: 795
Ion Ratio Lower Upper
43 100
72 0.0 25.3 37.9#



#31
Cyclohexane
Concen: 1.175 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082185.D
Acq: 17 May 2024 17:46

Tgt Ion: 56 Resp: 5128
Ion Ratio Lower Upper
56 100
69 110.4 24.4 36.6#
84 119.0 77.0 115.4#





#33

1,2-Dichloroethane-d4

Concen: 53.274 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN082185.D

Acq: 17 May 2024 17:46

Instrument :

MSVOA_N

ClientSampleId :

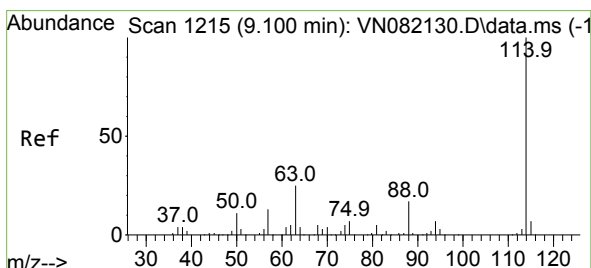
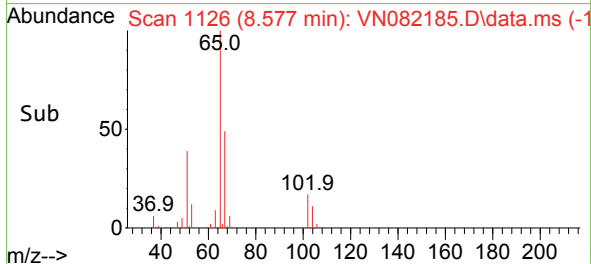
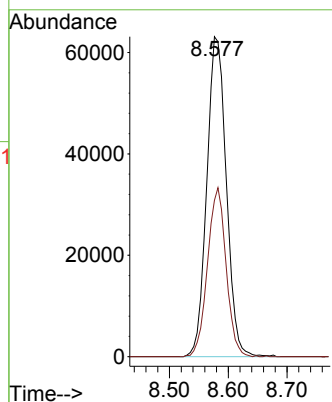
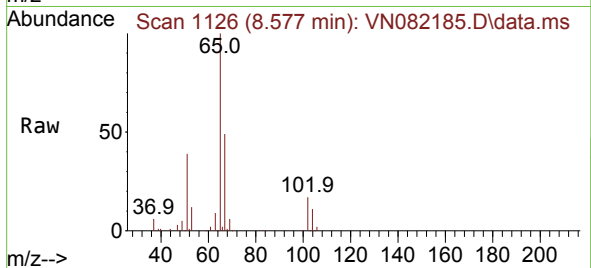
PB160967ZHE#03

Tgt Ion: 65 Resp: 145555

Ion Ratio Lower Upper

65 100

67 50.2 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: VN082185.D

Acq: 17 May 2024 17:46

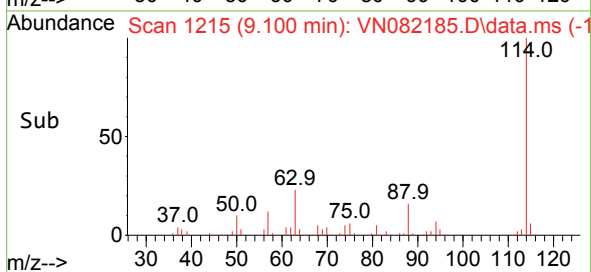
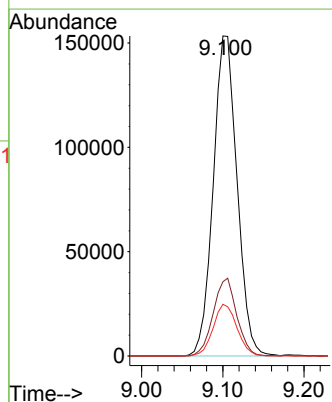
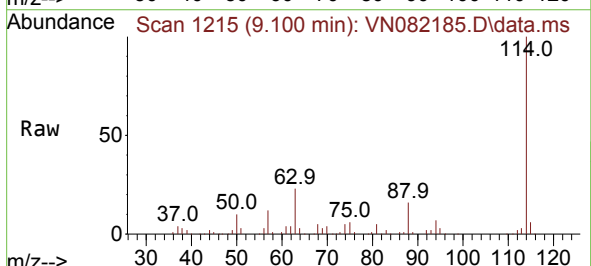
Tgt Ion: 114 Resp: 313139

Ion Ratio Lower Upper

114 100

63 23.2 0.0 41.0

88 16.1 0.0 31.4

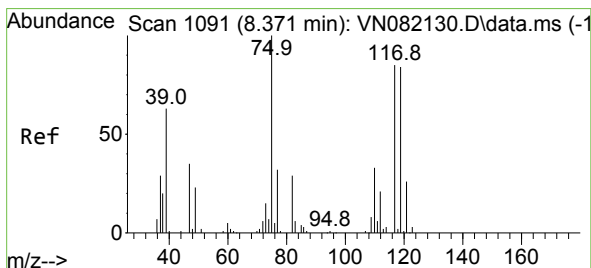
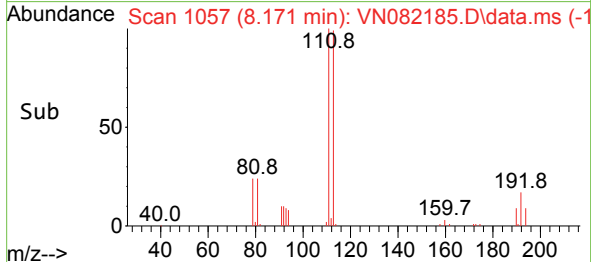
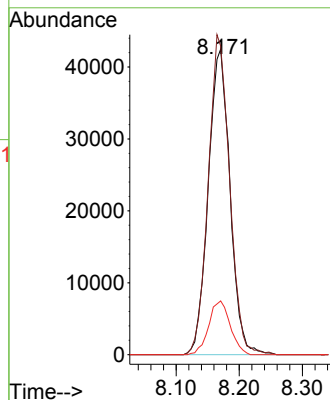
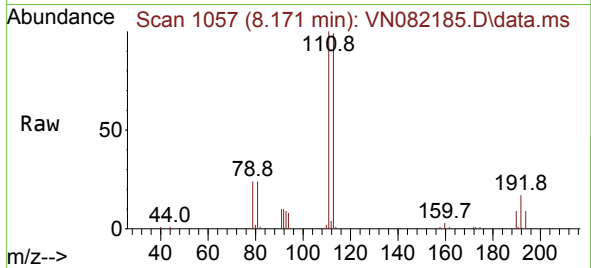




#35
Dibromofluoromethane
Concen: 52.706 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN082185.D
Acq: 17 May 2024 17:46

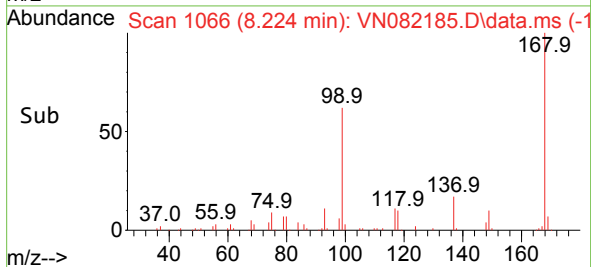
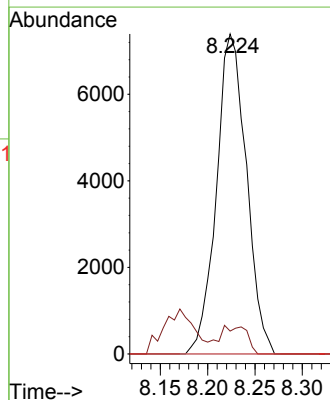
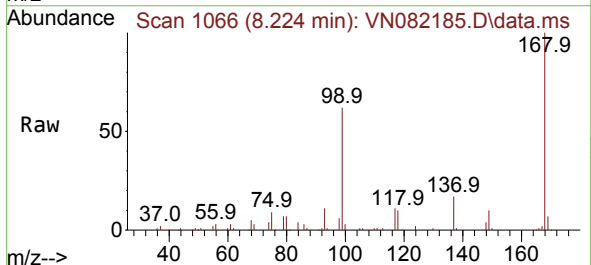
Instrument :
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PB160967ZHE#03

Tgt Ion:113 Resp: 101527
Ion Ratio Lower Upper
113 100
111 102.7 83.4 125.2
192 17.4 14.0 21.0



#36
1,1-Dichloropropene
Concen: 5.040 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082185.D
Acq: 17 May 2024 17:46

Tgt Ion: 75 Resp: 16282
Ion Ratio Lower Upper
75 100
110 8.1 17.8 53.5#
77 0.0 25.0 37.4#

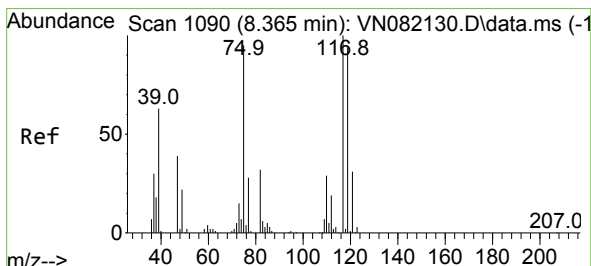
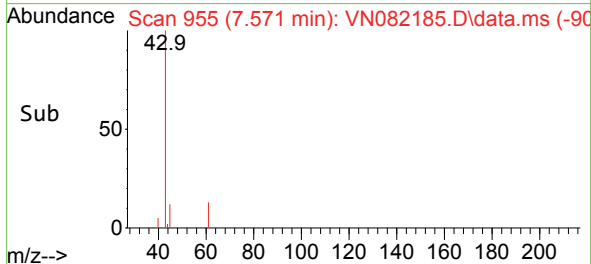
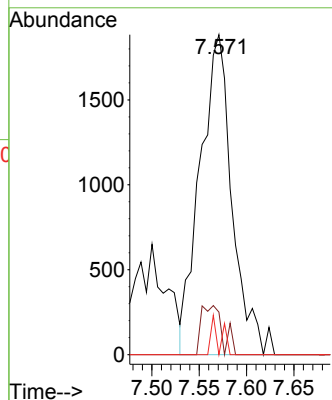
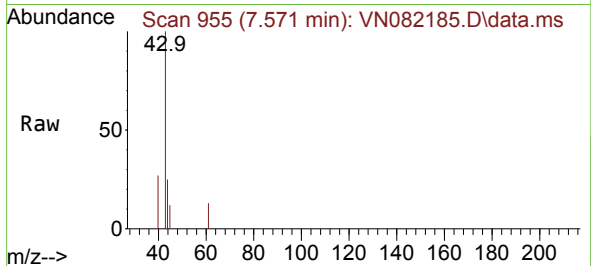




#37
Ethyl Acetate
Concen: 1.233 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN082185.D
Acq: 17 May 2024 17:46

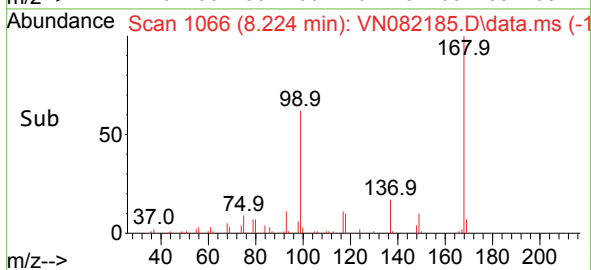
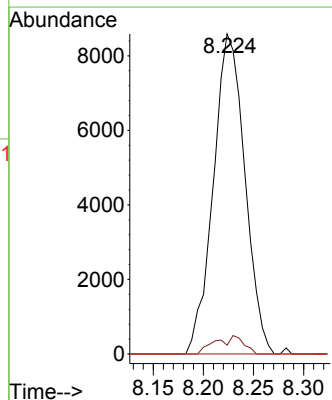
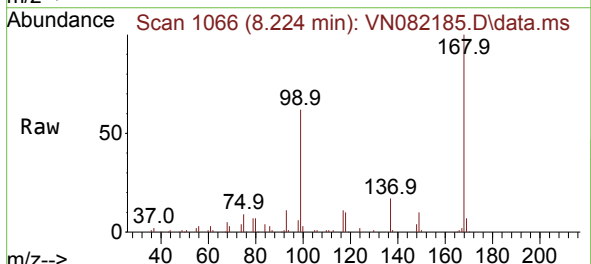
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#03

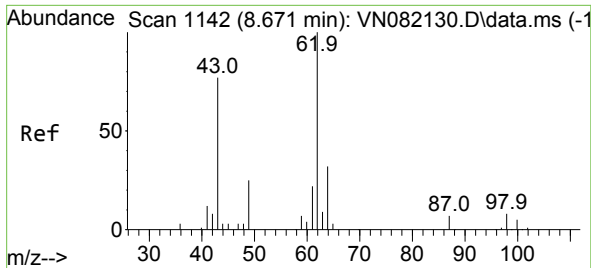
Tgt Ion: 43 Resp: 4457
Ion Ratio Lower Upper
43 100
61 10.0 11.3 16.9#
70 3.3 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 5.742 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN082185.D
Acq: 17 May 2024 17:46

Tgt Ion: 117 Resp: 18804
Ion Ratio Lower Upper
117 100
119 2.7 76.5 114.7#
121 0.0 23.9 35.9#





#42

1,2-Dichloroethane

Concen: 0.296 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN082185.D

Acq: 17 May 2024 17:46

Instrument :

MSVOA_N

ClientSampleId :

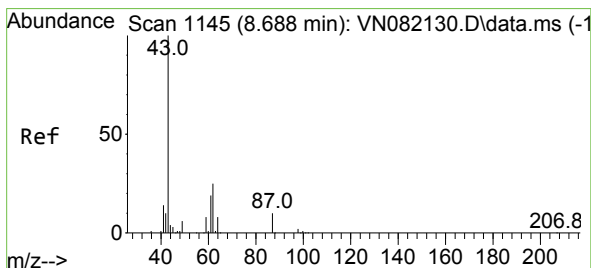
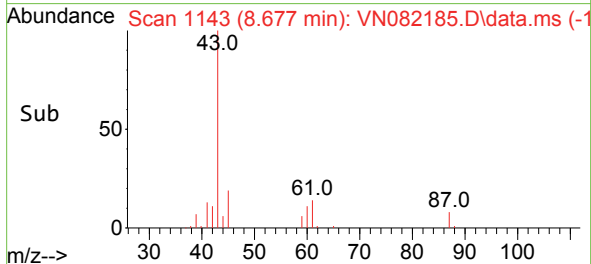
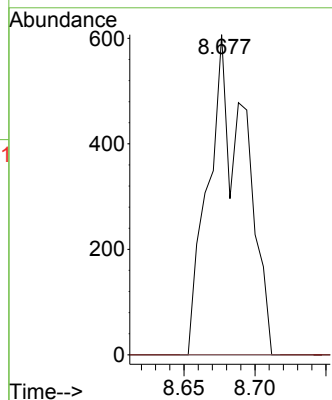
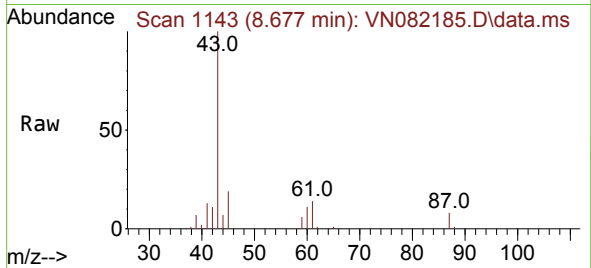
PB160967ZHE#03

Tgt Ion: 62 Resp: 1096

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 41.684 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN082185.D

Acq: 17 May 2024 17:46

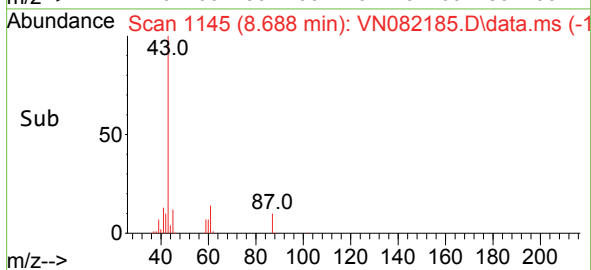
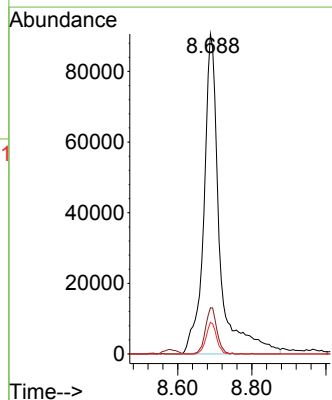
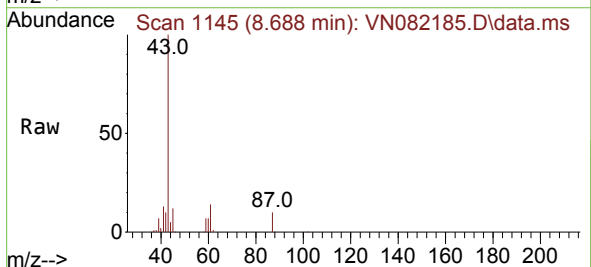
Tgt Ion: 43 Resp: 267049

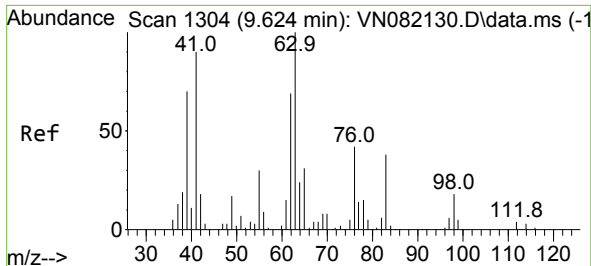
Ion Ratio Lower Upper

43 100

61 10.6 22.8 34.2#

87 6.6 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.631 ug/l

RT: 9.747 min Scan# 1

Delta R.T. 0.123 min

Lab File: VN082185.D

Acq: 17 May 2024 17:46

Instrument :

MSVOA_N

ClientSampleId :

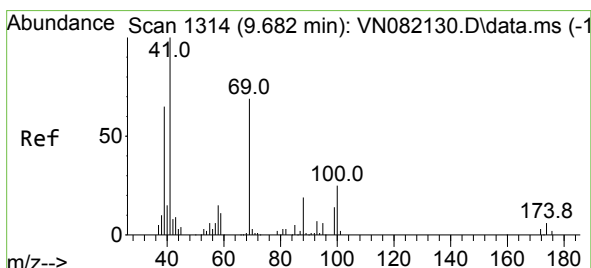
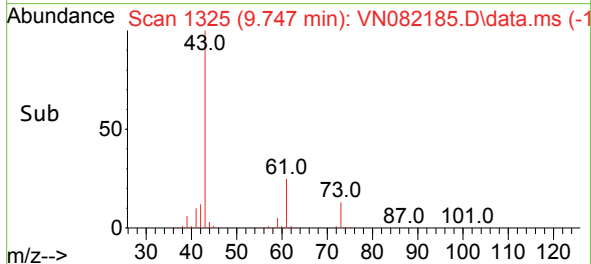
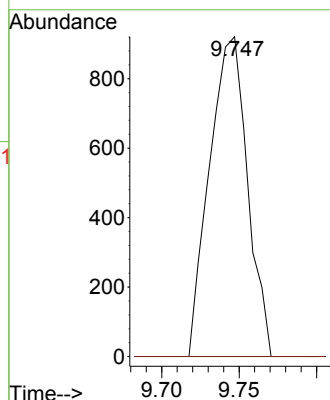
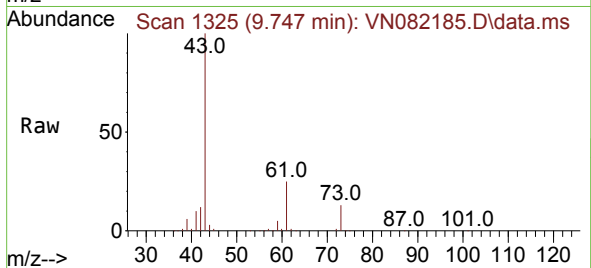
PB160967ZHE#03

Tgt Ion: 63 Resp: 1569

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 50.094 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.059 min

Lab File: VN082185.D

Acq: 17 May 2024 17:46

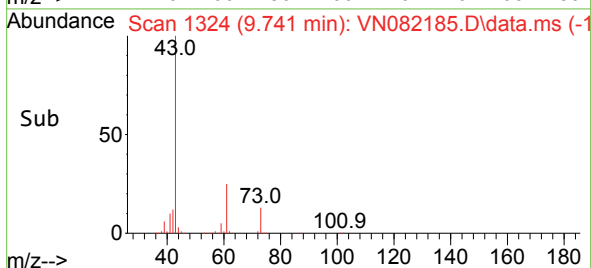
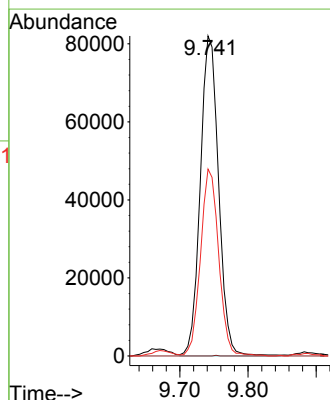
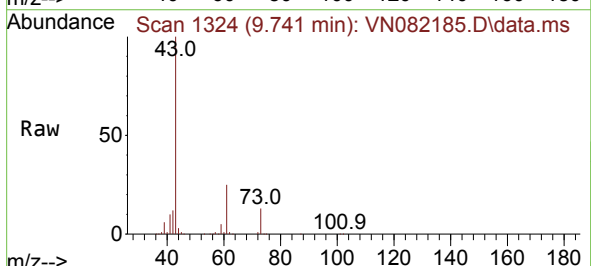
Tgt Ion: 41 Resp: 152921

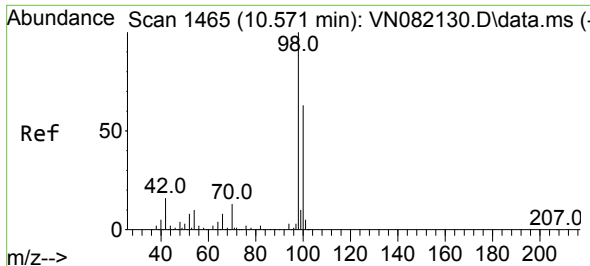
Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 58.1 50.9 76.3

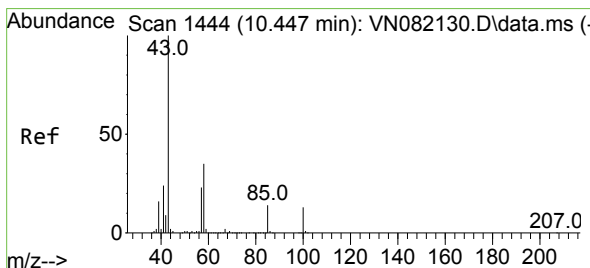
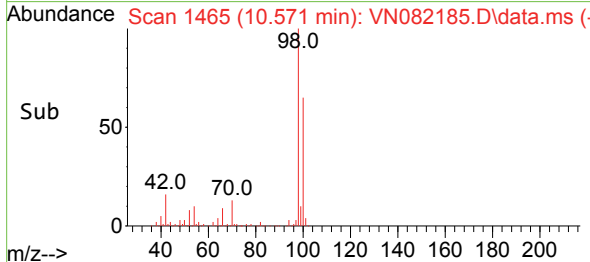
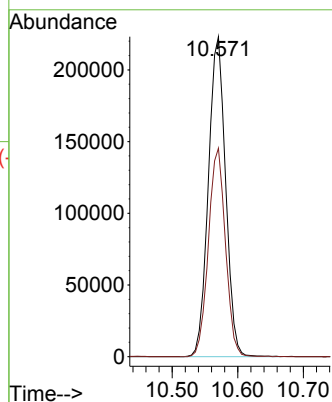
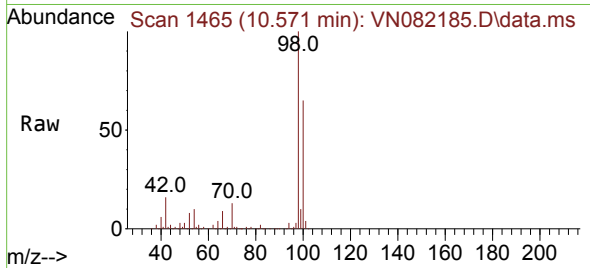




#50
Toluene-d8
Concen: 55.150 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082185.D
Acq: 17 May 2024 17:46

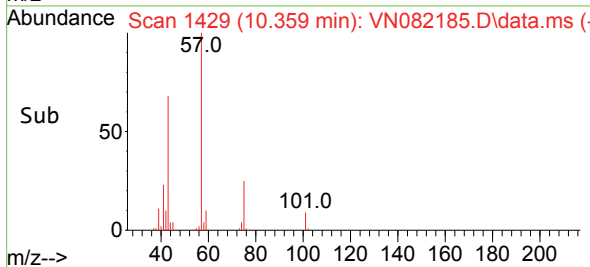
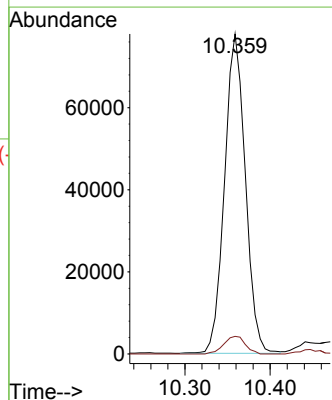
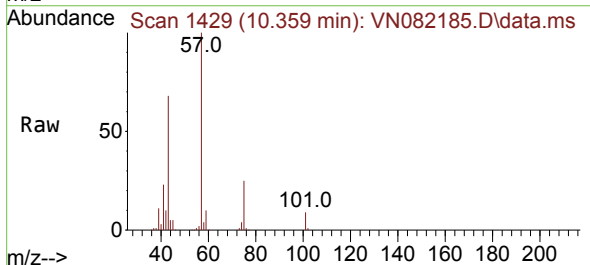
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#03

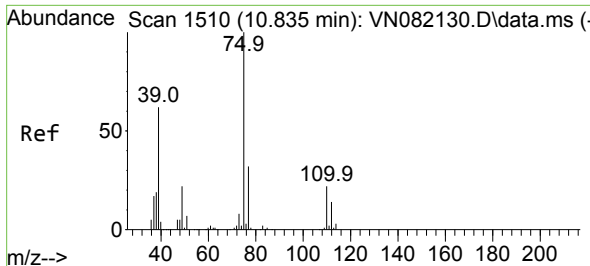
Tgt Ion: 98 Resp: 407294
Ion Ratio Lower Upper
98 100
100 64.5 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 36.237 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN082185.D
Acq: 17 May 2024 17:46

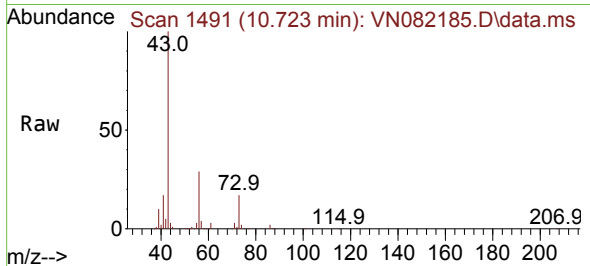
Tgt Ion: 43 Resp: 131902
Ion Ratio Lower Upper
43 100
58 5.7 33.2 49.8#



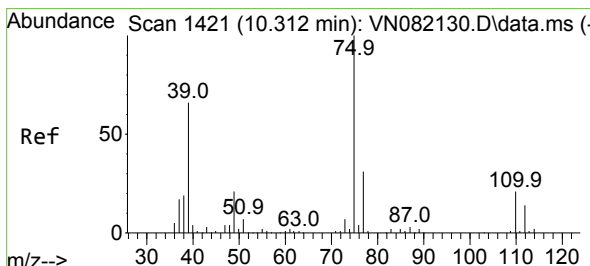
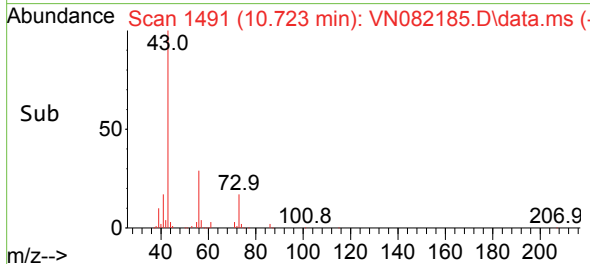
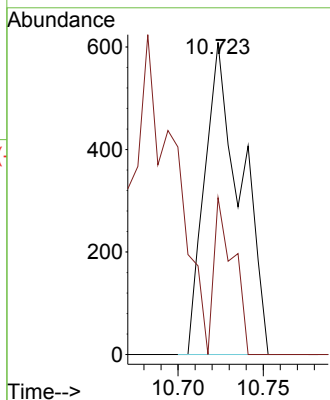


#53
 t-1,3-Dichloropropene
 Concen: 0.251 ug/l
 RT: 10.723 min Scan# 1491
 Delta R.T. -0.112 min
 Lab File: VN082185.D
 Acq: 17 May 2024 17:46

Instrument :
 MSVOA_N
 ClientSampleId :
 PB160967ZHE#03

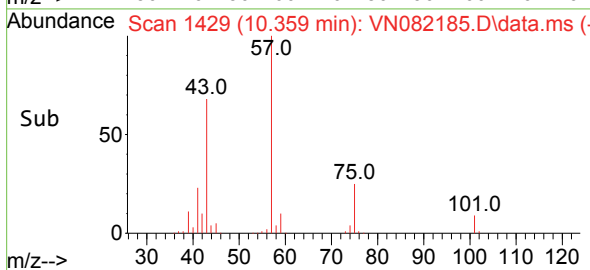
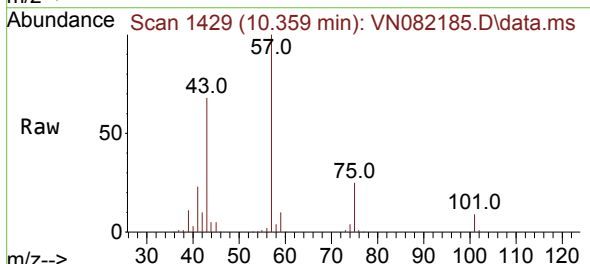
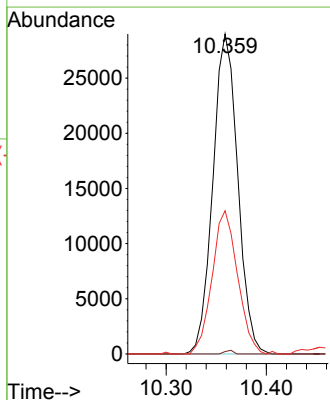


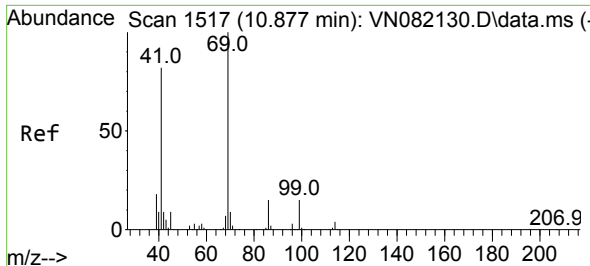
Tgt Ion: 75 Resp: 893
 Ion Ratio Lower Upper
 75 100
 77 50.2 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 13.213 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082185.D
 Acq: 17 May 2024 17:46

Tgt Ion: 75 Resp: 49832
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.0 37.4#
 39 44.8 34.8 52.2

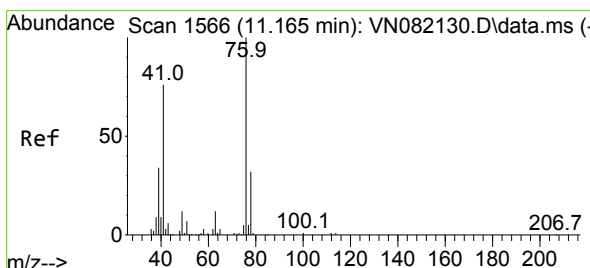
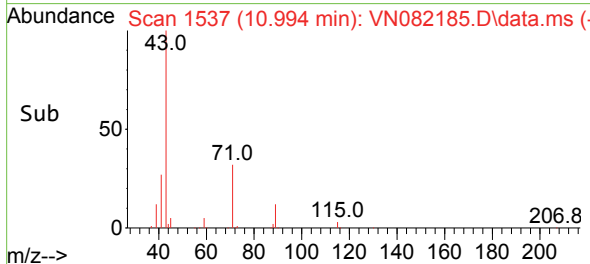
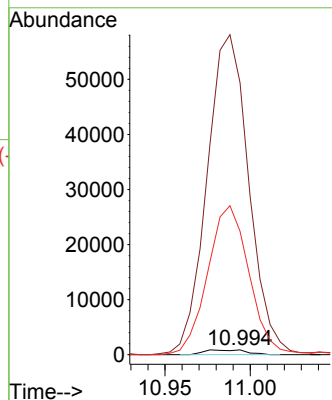
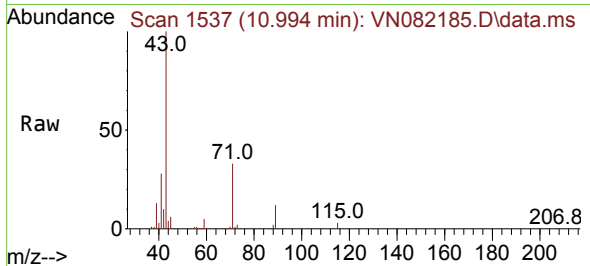




#56
Ethyl methacrylate
Concen: 0.416 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.117 min
Lab File: VN082185.D
Acq: 17 May 2024 17:46

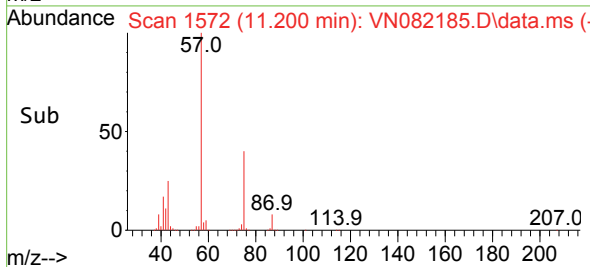
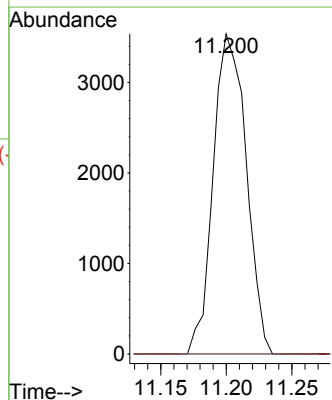
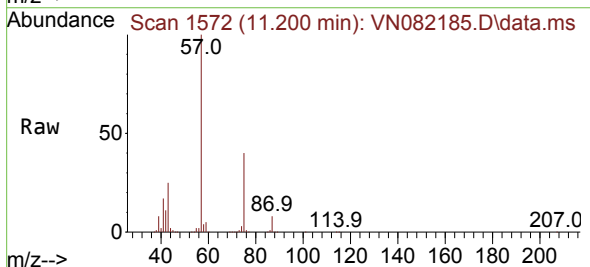
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#03

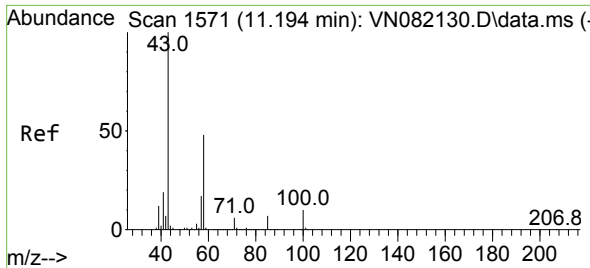
Tgt Ion: 69 Resp: 1484
Ion Ratio Lower Upper
69 100
41 6710.6 46.6 70.0#
39 3086.6 26.5 39.7#



#57
1,3-Dichloropropane
Concen: 1.576 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN082185.D
Acq: 17 May 2024 17:46

Tgt Ion: 76 Resp: 6191
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

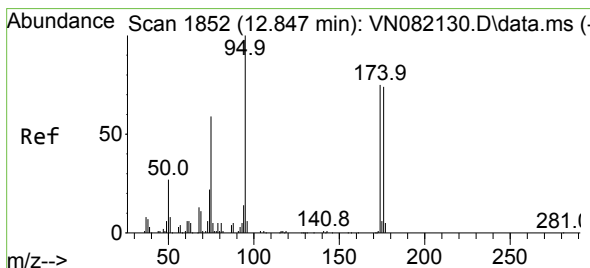
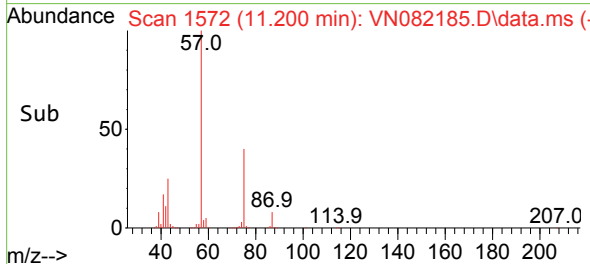
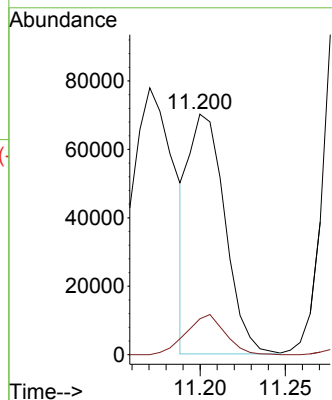
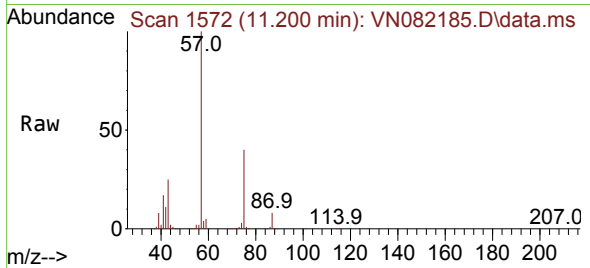




#59
2-Hexanone
Concen: 39.010 ug/l
RT: 11.200 min Scan# 111
Delta R.T. 0.006 min
Lab File: VN082185.D
Acq: 17 May 2024 17:46

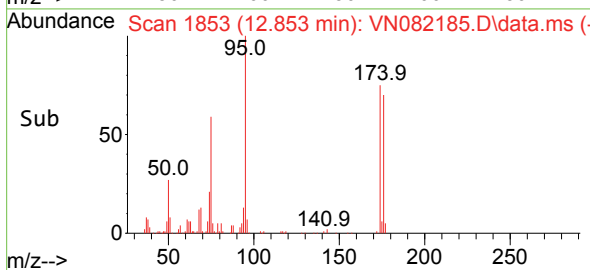
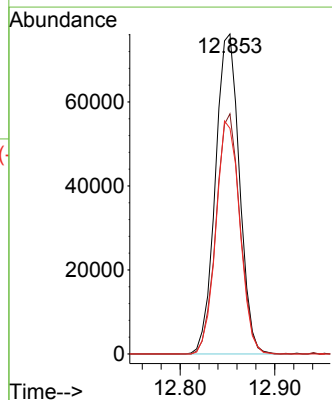
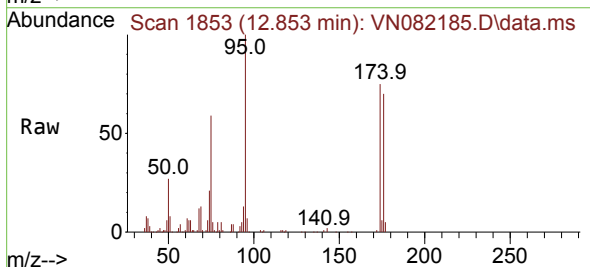
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#03

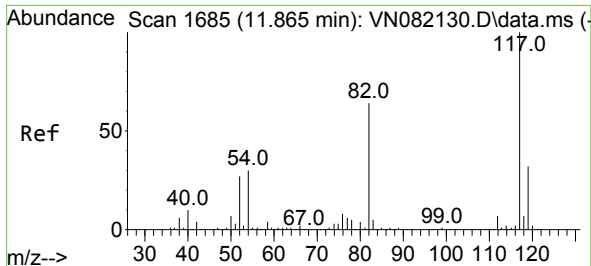
Tgt Ion: 43 Resp: 103970
Ion Ratio Lower Upper
43 100
58 17.9 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 50.955 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082185.D
Acq: 17 May 2024 17:46

Tgt Ion: 95 Resp: 134315
Ion Ratio Lower Upper
95 100
174 74.8 0.0 160.6
176 72.3 0.0 152.8

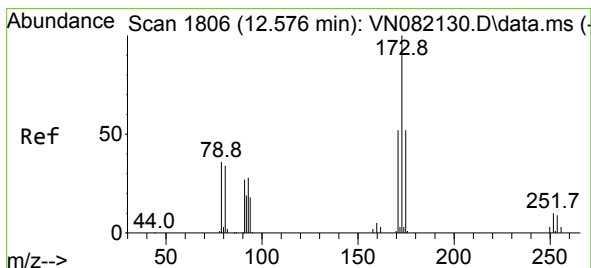
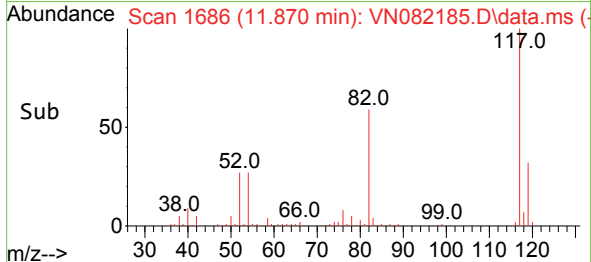
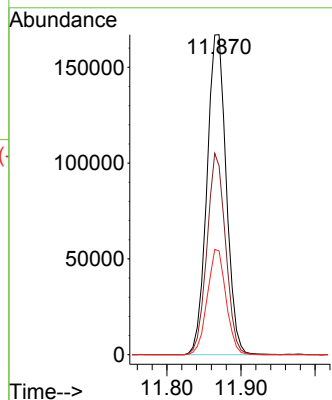
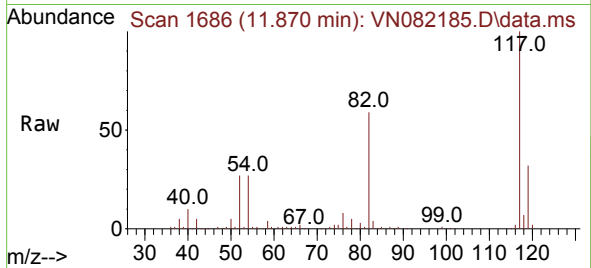




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082185.D
Acq: 17 May 2024 17:46

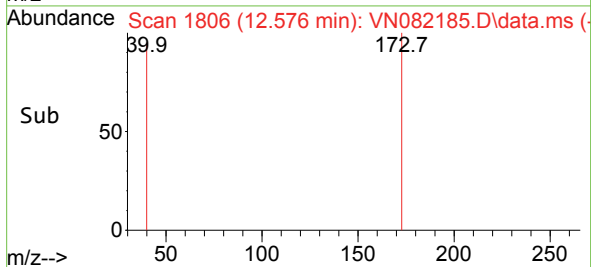
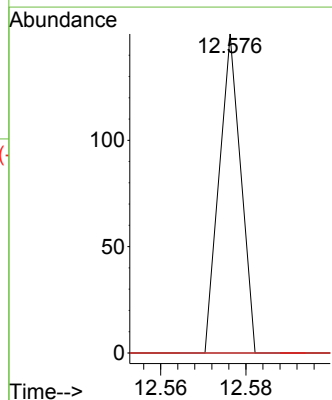
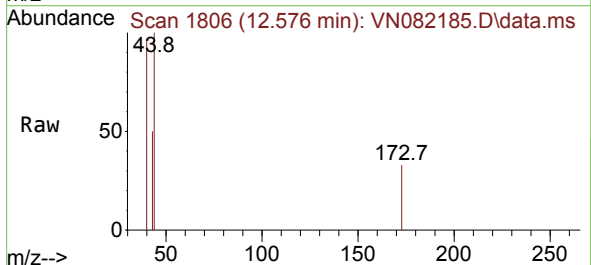
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#03

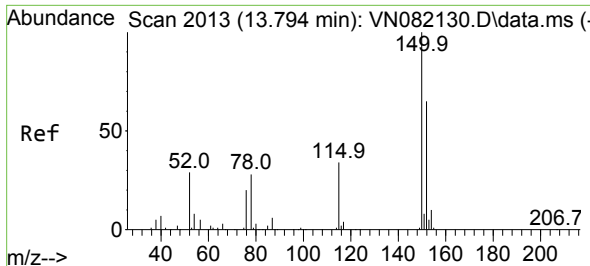
Tgt Ion:117 Resp: 302032
Ion Ratio Lower Upper
117 100
82 59.0 44.6 66.8
119 32.4 25.9 38.9



#71
Bromoform
Concen: 0.731 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN082185.D
Acq: 17 May 2024 17:46

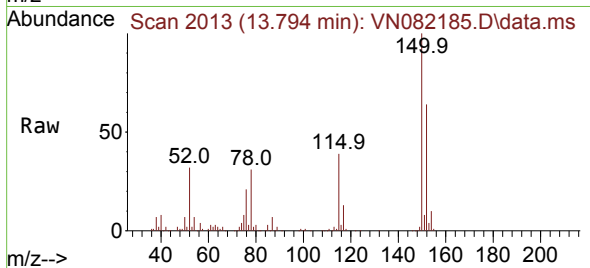
Tgt Ion:173 Resp: 53
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0



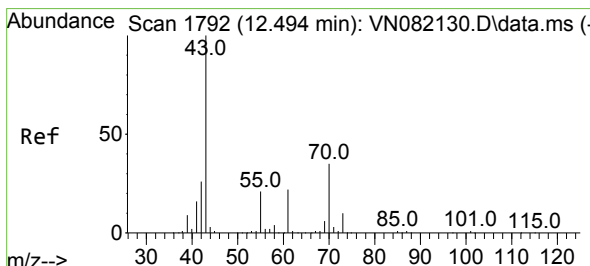
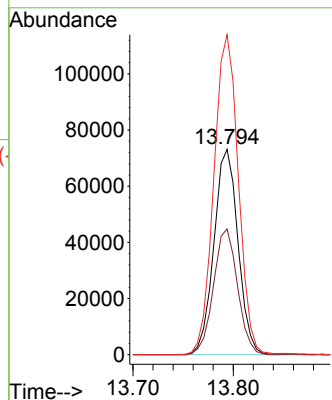
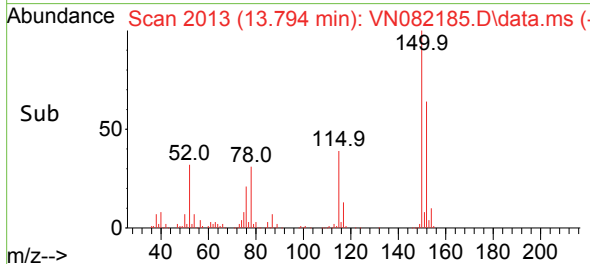


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082185.D
Acq: 17 May 2024 17:46

Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#03

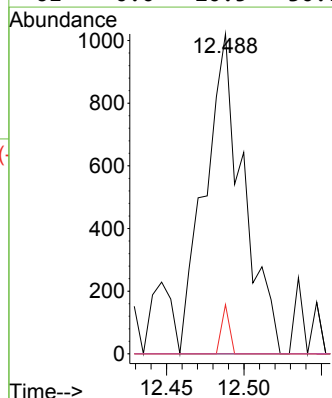
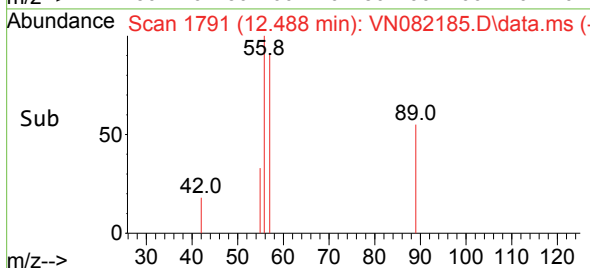
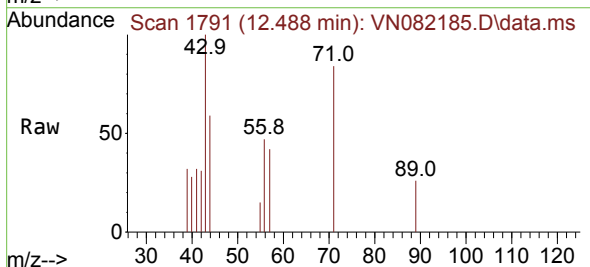


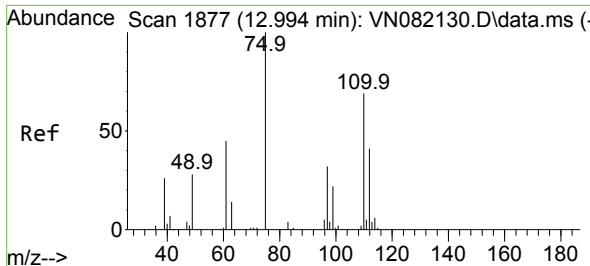
Tgt Ion:152 Resp: 122114
Ion Ratio Lower Upper
152 100
115 61.0 30.4 91.3
150 158.5 0.0 353.2



#74
N-ethyl acetate
Concen: 0.329 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN082185.D
Acq: 17 May 2024 17:46

Tgt Ion: 43 Resp: 1755
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 3.1 21.3 31.9#
61 0.0 20.5 30.7#

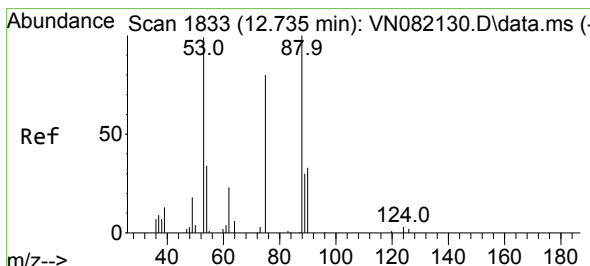
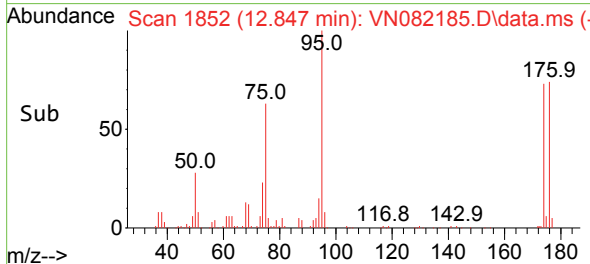
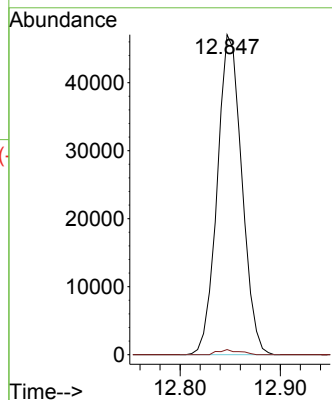
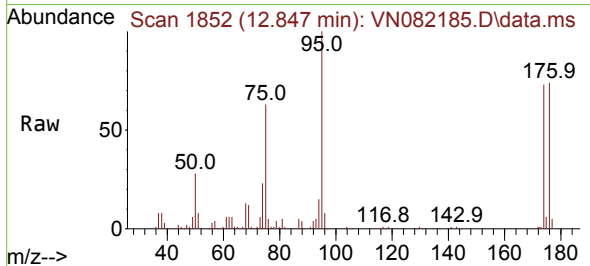




#76
1,2,3-Trichloropropane
Concen: 31.219 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082185.D
Acq: 17 May 2024 17:46

Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#03

Tgt Ion: 75 Resp: 80239
Ion Ratio Lower Upper
75 100
77 1.4 90.5 271.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.020 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN082185.D
Acq: 17 May 2024 17:46

Tgt Ion: 75 Resp: 80239
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.0 39.1 58.7#

