

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051724\
 Data File : VN082190.D
 Acq On : 17 May 2024 19:46
 Operator : JC\MD
 Sample : PB160967ZHE#08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB160967ZHE#08

Quant Time: May 17 23:16:31 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)

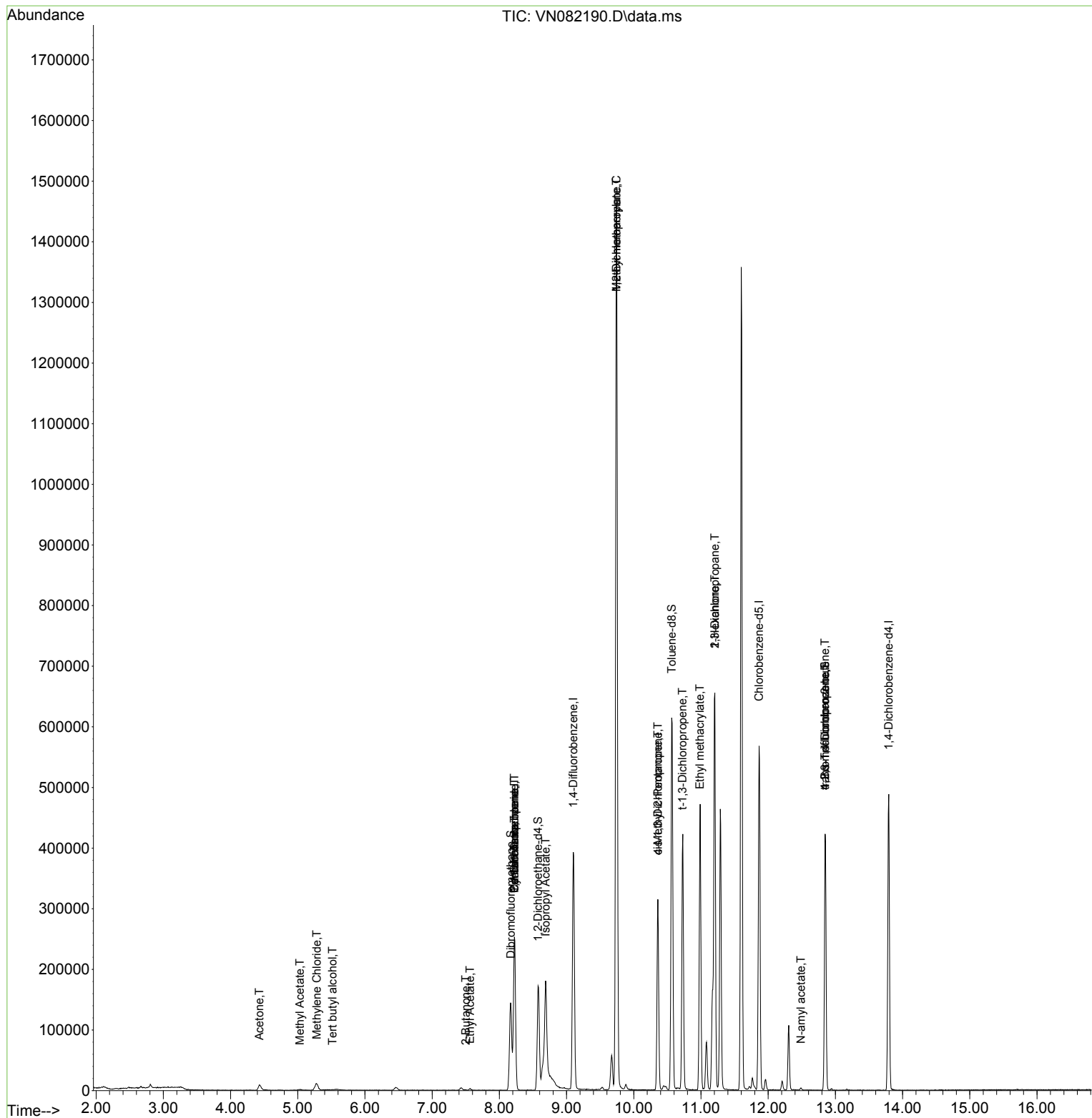
Internal Standards						
1) Pentafluorobenzene	8.224	168	172350	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	313692	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	296120	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	121014	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	143985	52.907	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.820%	
35) Dibromofluoromethane	8.171	113	101746	52.727	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.460%	
50) Toluene-d8	10.565	98	405367	54.792	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 109.580%	
62) 4-Bromofluorobenzene	12.847	95	133968	50.734	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 101.460%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.518	59	98	0.224	ug/l #	71
16) Acetone	4.430	43	17420	15.604	ug/l	98
18) Methyl Acetate	5.030	43	1774	0.638	ug/l #	77
20) Methylene Chloride	5.283	84	7865	3.492	ug/l #	80
25) 2-Butanone	7.500	43	1775	1.049	ug/l #	43
31) Cyclohexane	8.224	56	5210	1.199	ug/l #	49
36) 1,1-Dichloropropene	8.224	75	16237	5.017	ug/l #	48
37) Ethyl Acetate	7.565	43	4340	1.198	ug/l #	76
38) Carbon Tetrachloride	8.224	117	19492	5.941	ug/l #	18
43) Isopropyl Acetate	8.688	43	298595	46.526	ug/l #	69
45) 1,2-Dichloropropane	9.741	63	1640	0.659	ug/l #	45
48) Methyl methacrylate	9.741	41	147970	48.387	ug/l #	37
51) 4-Methyl-2-Pentanone	10.359	43	124757	34.214	ug/l #	43
53) t-1,3-Dichloropropene	10.724	75	934	0.262	ug/l	99
54) cis-1,3-Dichloropropene	10.359	75	48422	12.816	ug/l #	76
56) Ethyl methacrylate	10.982	69	1393	0.390	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6284	1.597	ug/l #	42
59) 2-Hexanone	11.206	43	100790	37.750	ug/l #	47
74) N-amyl acetate	12.488	43	1691	0.320	ug/l #	39
76) 1,2,3-Trichloropropane	12.847	75	78467	30.807	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	78467	72.056	ug/l #	12

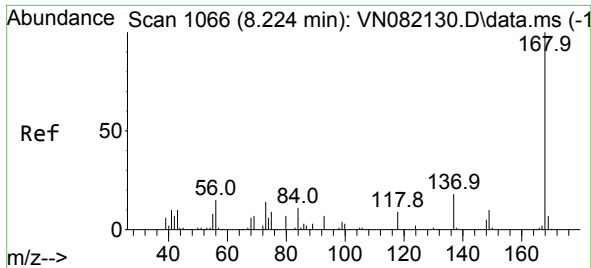
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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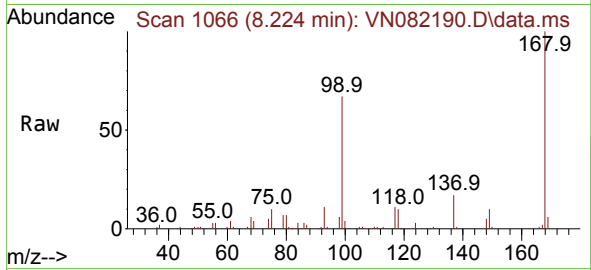
Quant Time: May 17 23:16:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
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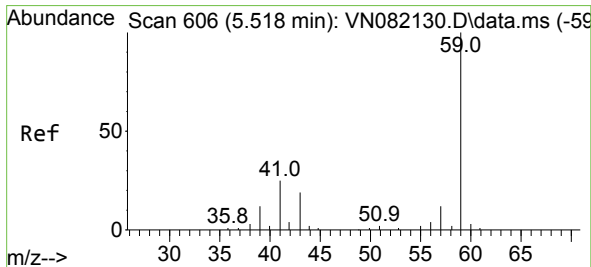
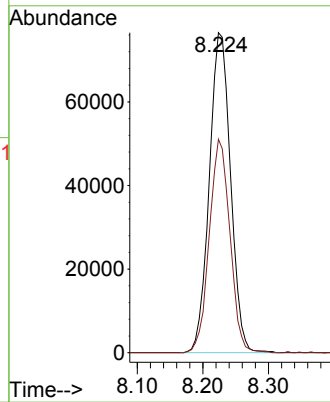
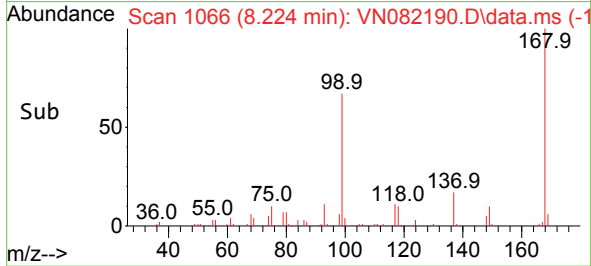


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN082190.D
Acq: 17 May 2024 19:46

Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#08

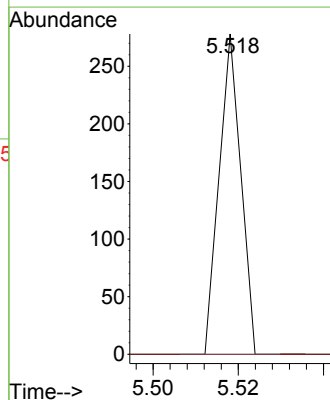
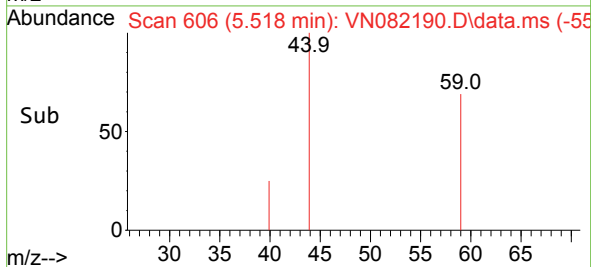
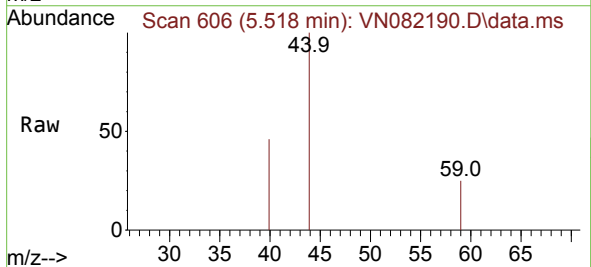


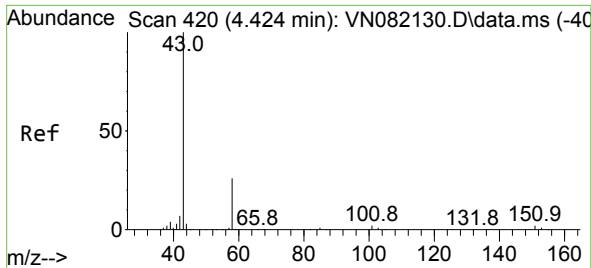
Tgt Ion:168 Resp: 172350
Ion Ratio Lower Upper
168 100
99 66.7 48.2 72.4



#11
Tert butyl alcohol
Concen: 0.224 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.000 min
Lab File: VN082190.D
Acq: 17 May 2024 19:46

Tgt Ion: 59 Resp: 98
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

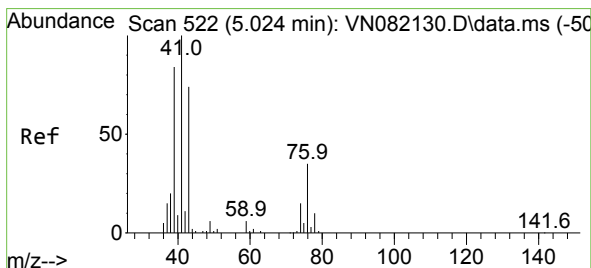
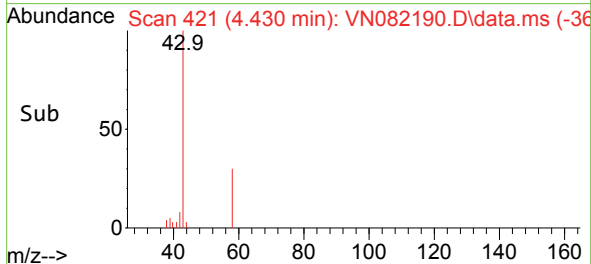
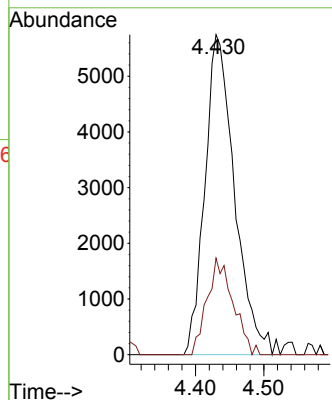
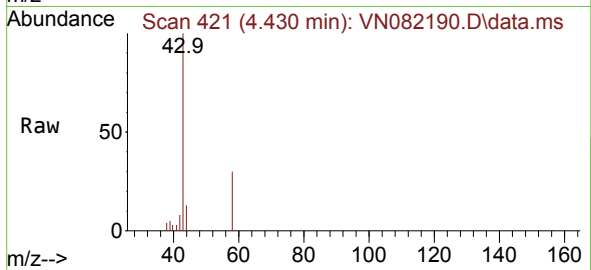




#16
Acetone
Concen: 15.604 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN082190.D
Acq: 17 May 2024 19:46

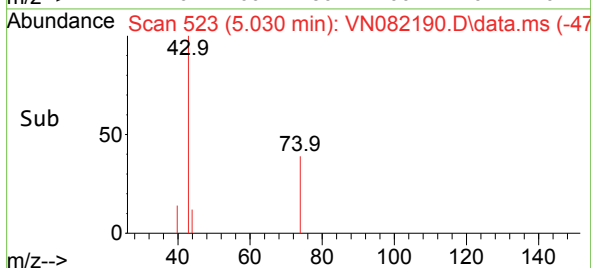
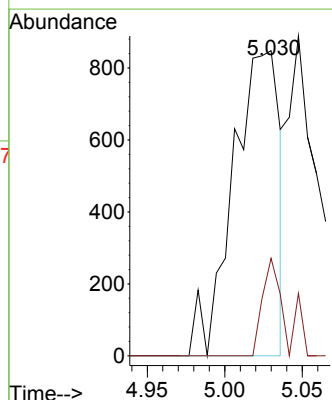
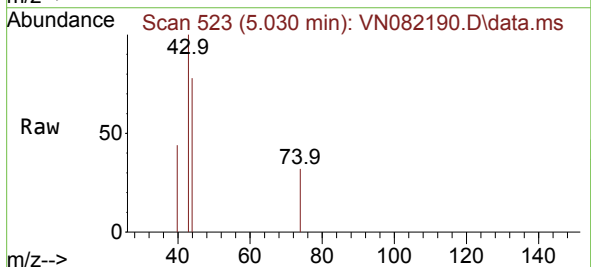
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#08

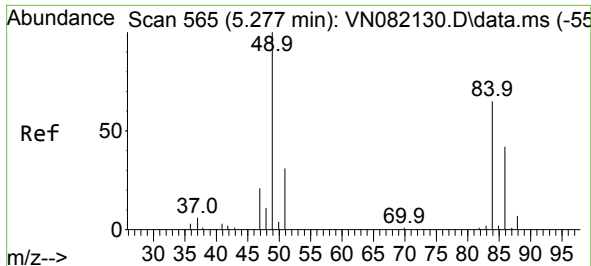
Tgt Ion: 43 Resp: 17420
Ion Ratio Lower Upper
43 100
58 30.2 25.2 37.8



#18
Methyl Acetate
Concen: 0.638 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN082190.D
Acq: 17 May 2024 19:46

Tgt Ion: 43 Resp: 1774
Ion Ratio Lower Upper
43 100
74 15.4 22.2 33.2#

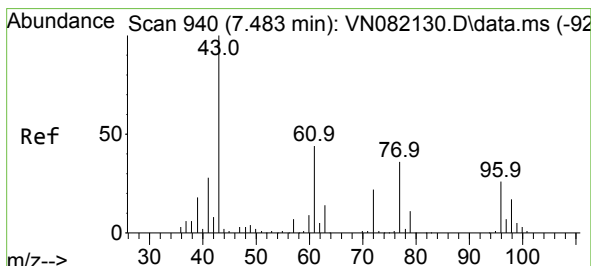
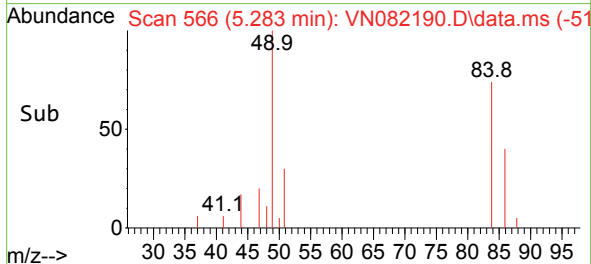
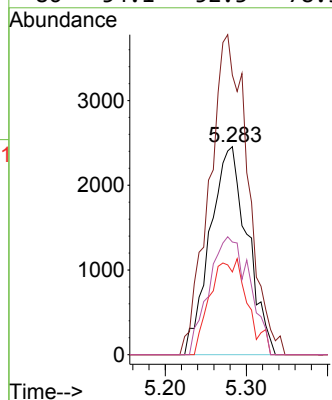
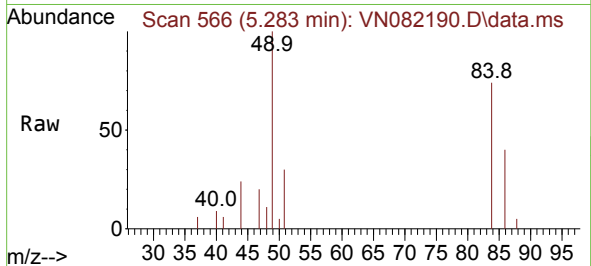




#20
Methylene Chloride
Concen: 3.492 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082190.D
Acq: 17 May 2024 19:46

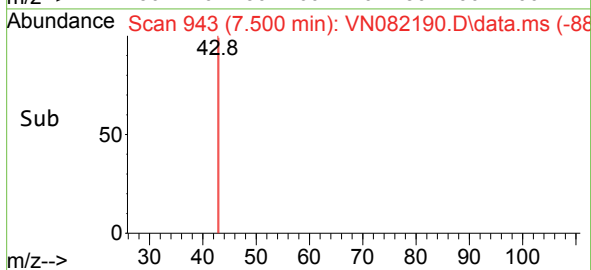
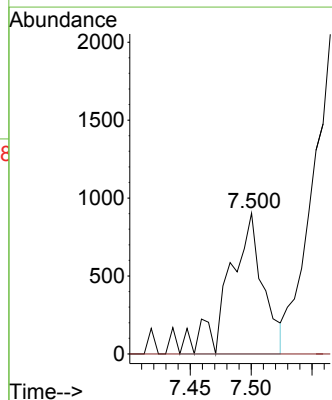
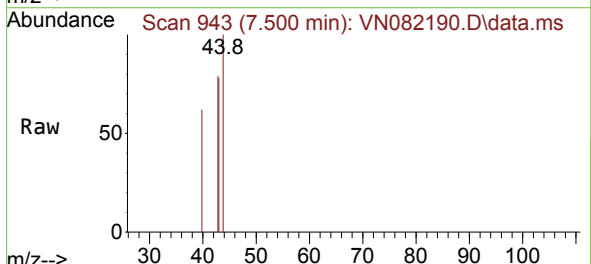
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#08

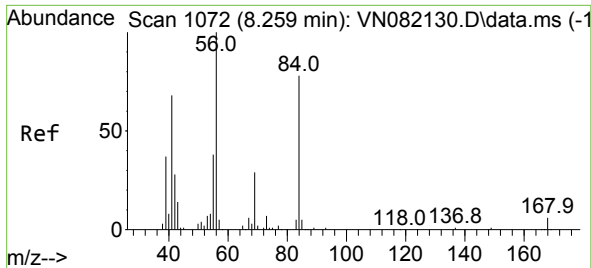
Tgt Ion: 84	Resp: 7865
Ion Ratio	Lower Upper
84	100
49	134.4 84.9 127.3#
51	39.8 27.0 40.6
86	54.1 52.3 78.5



#25
2-Butanone
Concen: 1.049 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.018 min
Lab File: VN082190.D
Acq: 17 May 2024 19:46

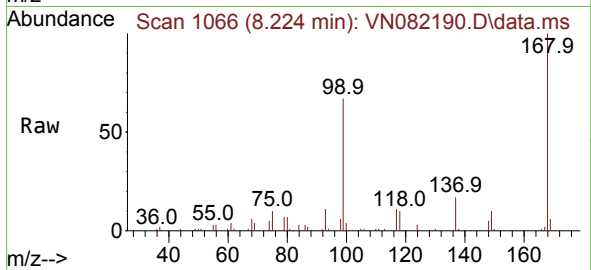
Tgt Ion: 43	Resp: 1775
Ion Ratio	Lower Upper
43	100
72	0.0 25.3 37.9#



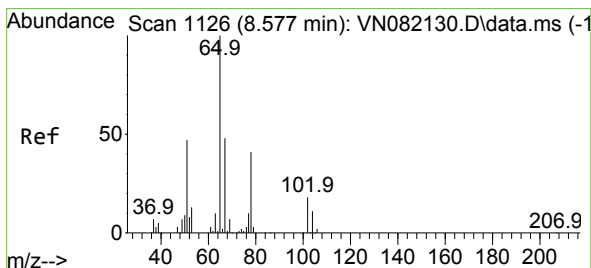
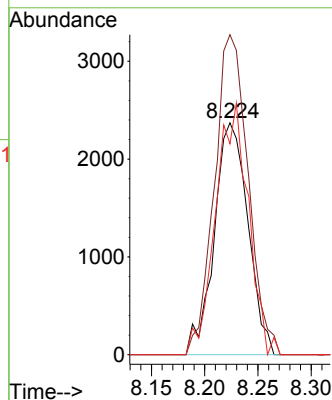
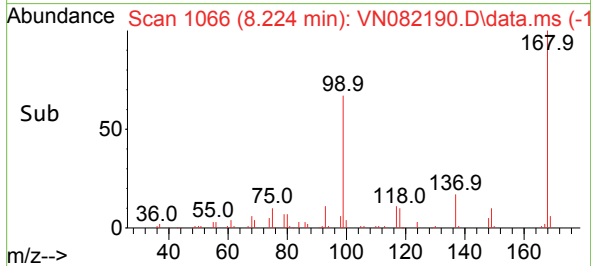


#31
Cyclohexane
Concen: 1.199 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082190.D
Acq: 17 May 2024 19:46

Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#08

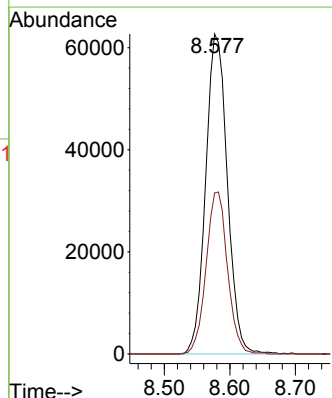
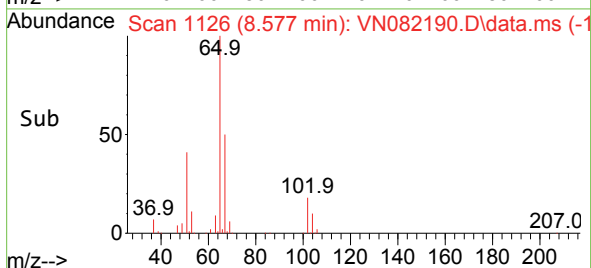
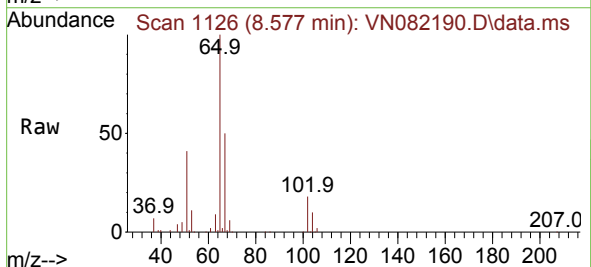


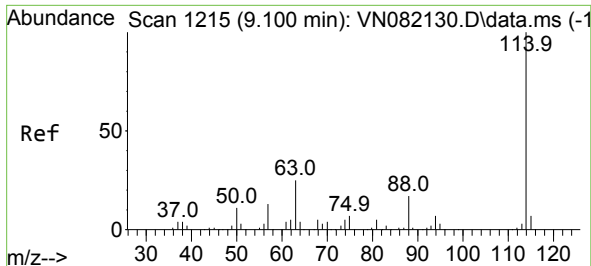
Tgt Ion: 56 Resp: 5210
Ion Ratio Lower Upper
56 100
69 138.0 24.4 36.6#
84 91.0 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 52.907 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN082190.D
Acq: 17 May 2024 19:46

Tgt Ion: 65 Resp: 143985
Ion Ratio Lower Upper
65 100
67 50.0 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN082190.D

Acq: 17 May 2024 19:46

Instrument :

MSVOA_N

ClientSampleId :

PB160967ZHE#08

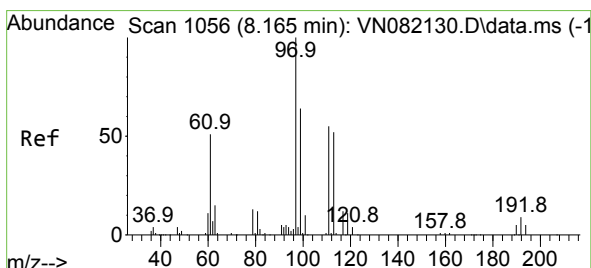
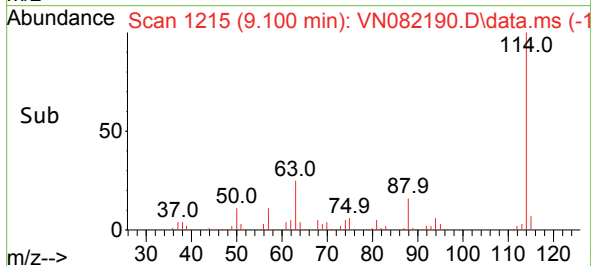
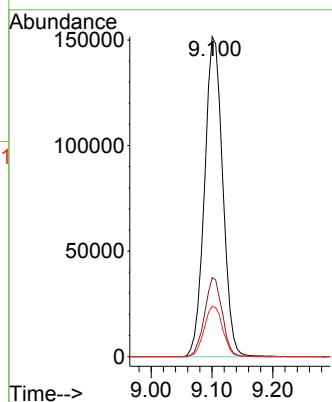
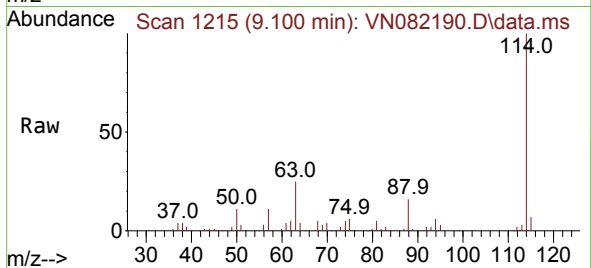
Tgt Ion:114 Resp: 313692

Ion Ratio Lower Upper

114 100

63 24.7 0.0 41.0

88 15.7 0.0 31.4



#35

Dibromofluoromethane

Concen: 52.727 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082190.D

Acq: 17 May 2024 19:46

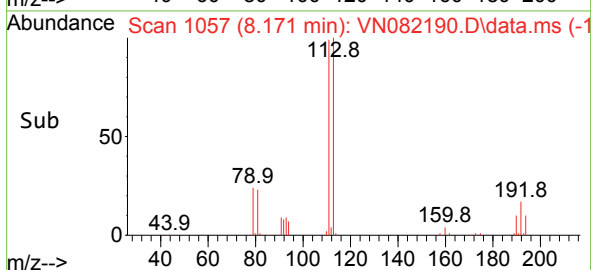
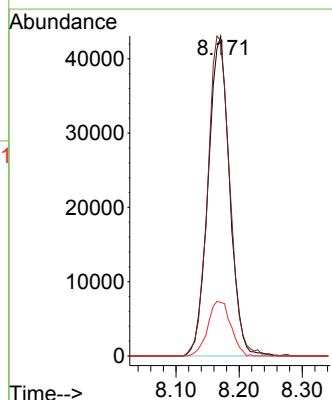
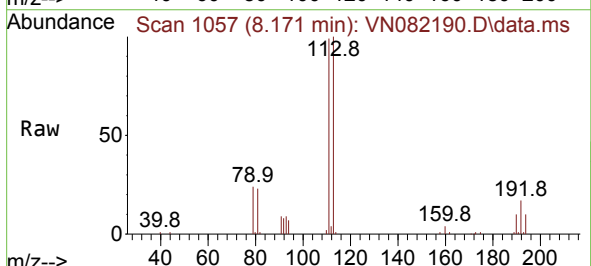
Tgt Ion:113 Resp: 101746

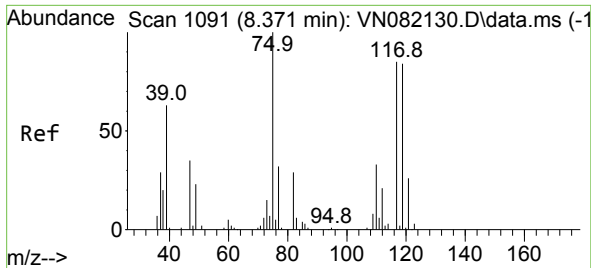
Ion Ratio Lower Upper

113 100

111 102.2 83.4 125.2

192 18.3 14.0 21.0





#36

1,1-Dichloropropene

Concen: 5.017 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN082190.D

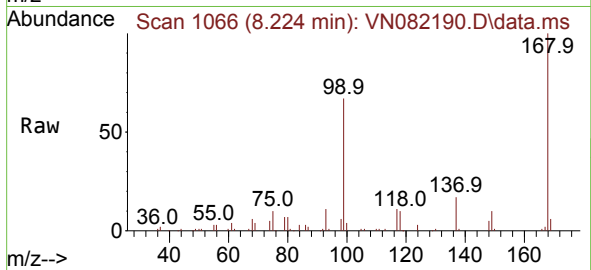
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Instrument :

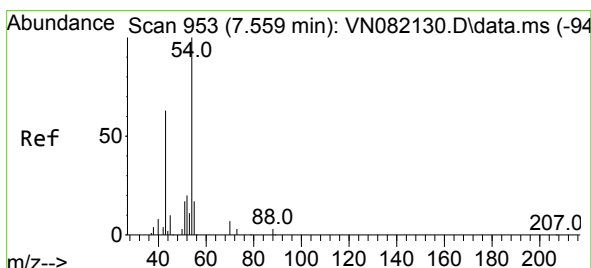
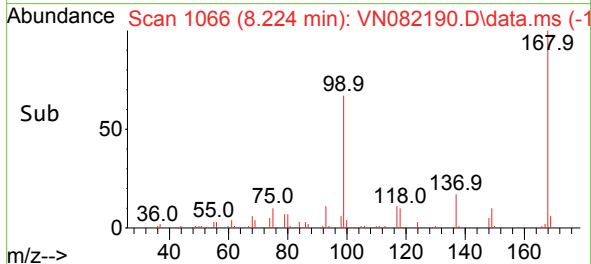
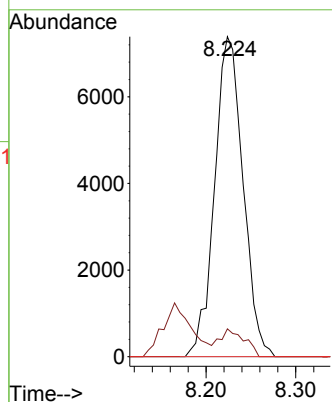
MSVOA_N

ClientSampleId :

PB160967ZHE#08



Tgt Ion:	75	Resp:	16237
Ion	Ratio	Lower	Upper
75	100		
110	7.5	17.8	53.5#
77	0.0	25.0	37.4#



#37

Ethyl Acetate

Concen: 1.198 ug/l

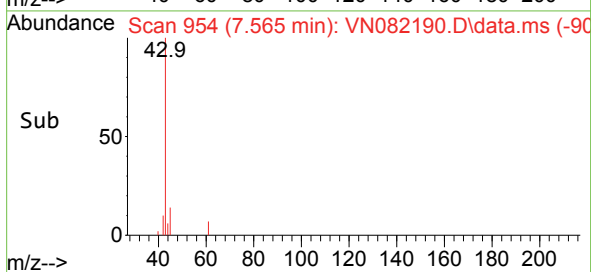
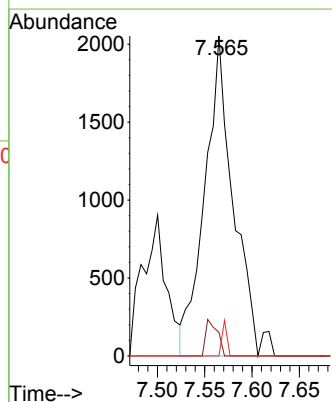
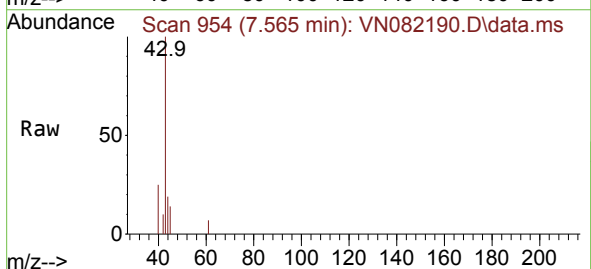
RT: 7.565 min Scan# 954

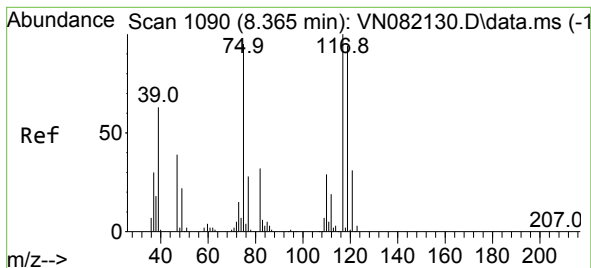
Delta R.T. 0.006 min

Lab File: VN082190.D

Acq: 17 May 2024 19:46

Tgt Ion:	43	Resp:	4340
Ion	Ratio	Lower	Upper
43	100		
61	4.6	11.3	16.9#
70	1.8	8.7	13.1#





#38

Carbon Tetrachloride

Concen: 5.941 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN082190.D

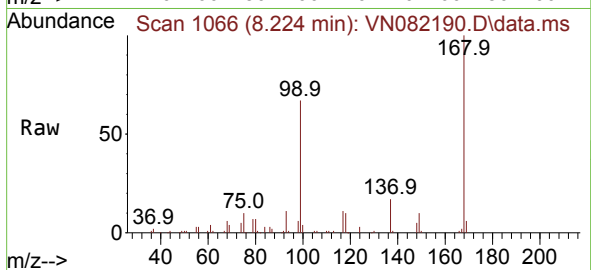
Acq: 17 May 2024 19:46

Instrument :

MSVOA_N

ClientSampleId :

PB160967ZHE#08



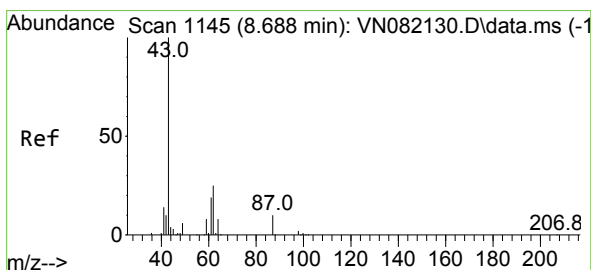
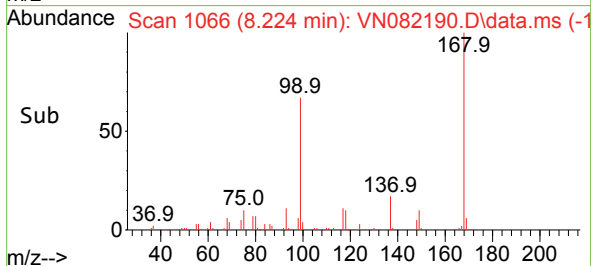
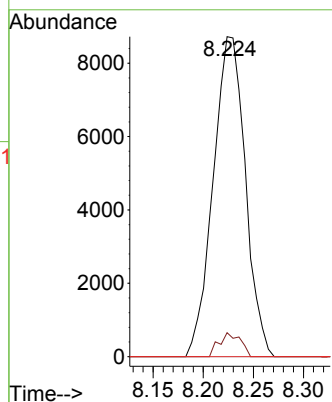
Tgt Ion:117 Resp: 19492

Ion Ratio Lower Upper

117 100

119 7.5 76.5 114.7#

121 0.0 23.9 35.9#



#43

Isopropyl Acetate

Concen: 46.526 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN082190.D

Acq: 17 May 2024 19:46

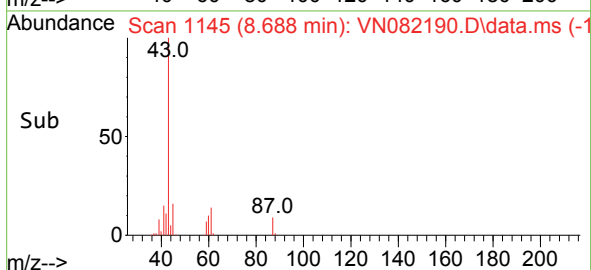
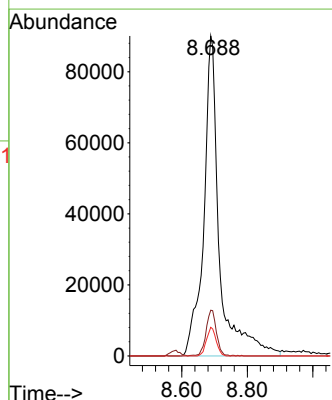
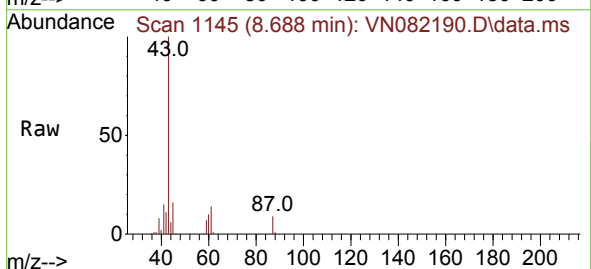
Tgt Ion: 43 Resp: 298595

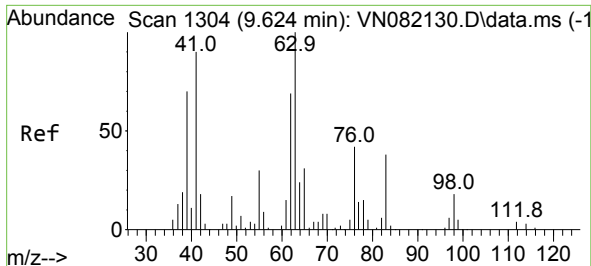
Ion Ratio Lower Upper

43 100

61 9.5 22.8 34.2#

87 5.5 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.659 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.118 min

Lab File: VN082190.D

Acq: 17 May 2024 19:46

Instrument :

MSVOA_N

ClientSampleId :

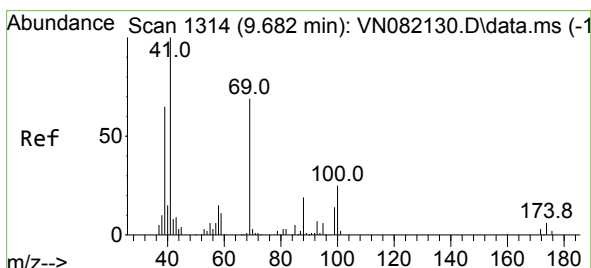
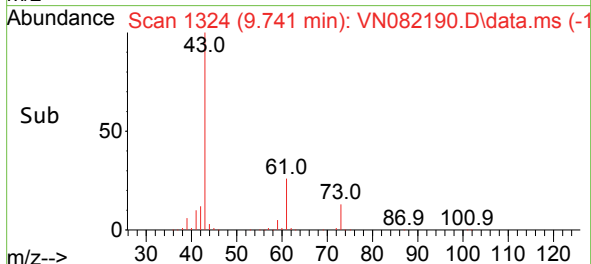
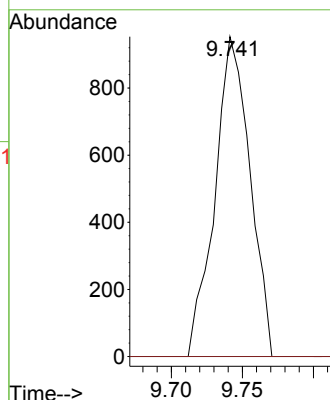
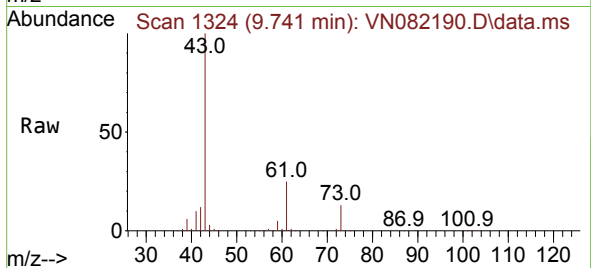
PB160967ZHE#08

Tgt Ion: 63 Resp: 1640

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 48.387 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.059 min

Lab File: VN082190.D

Acq: 17 May 2024 19:46

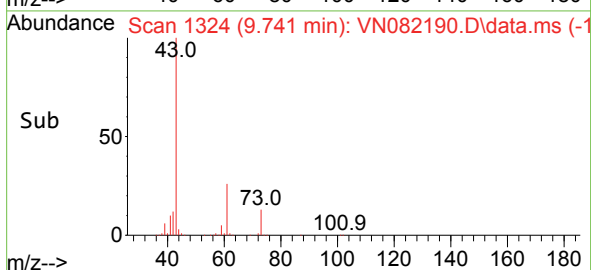
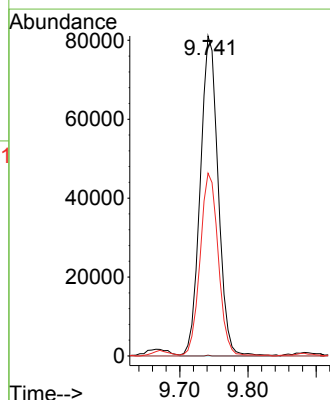
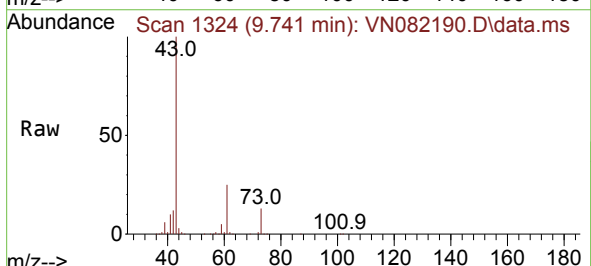
Tgt Ion: 41 Resp: 147970

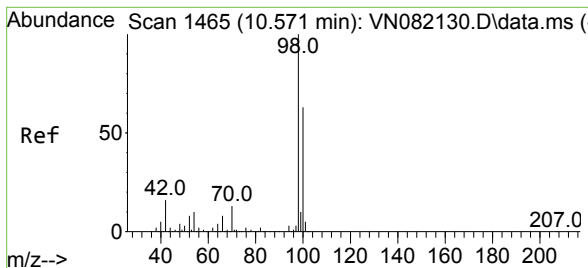
Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 58.1 50.9 76.3

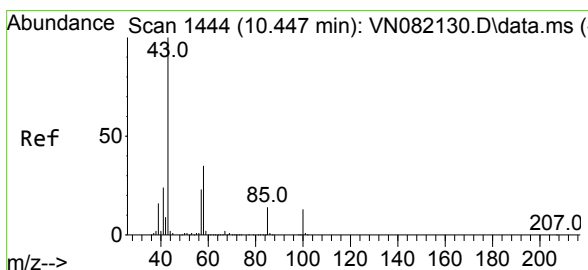
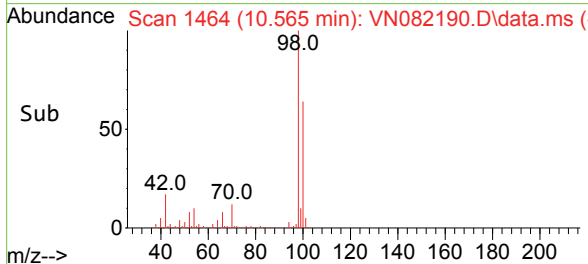
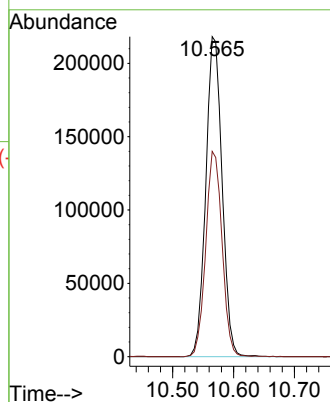
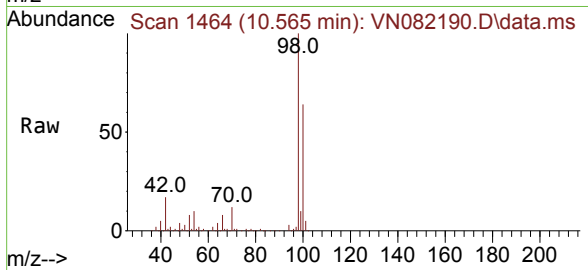




#50
Toluene-d8
Concen: 54.792 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN082190.D
Acq: 17 May 2024 19:46

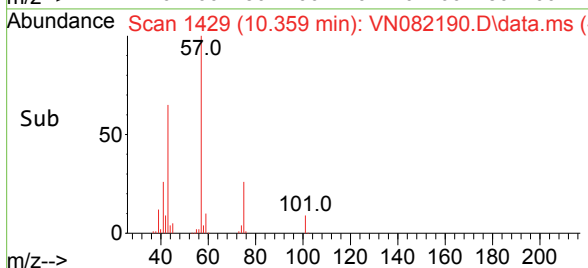
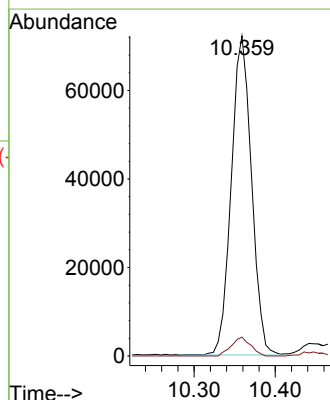
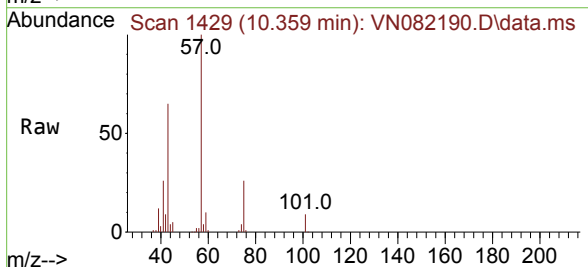
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#08

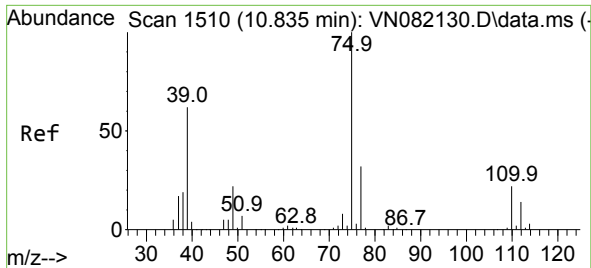
Tgt Ion: 98 Resp: 405367
Ion Ratio Lower Upper
98 100
100 64.2 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 34.214 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN082190.D
Acq: 17 May 2024 19:46

Tgt Ion: 43 Resp: 124757
Ion Ratio Lower Upper
43 100
58 5.6 33.2 49.8#

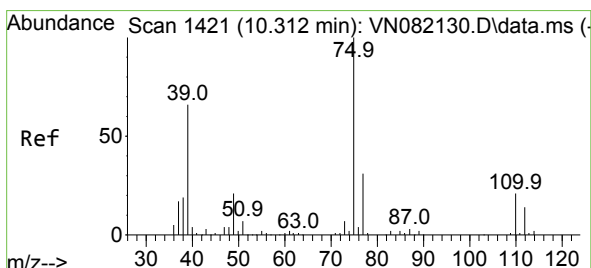
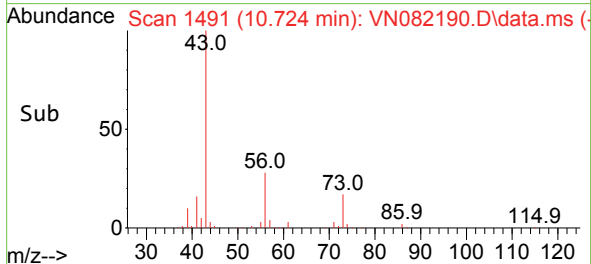
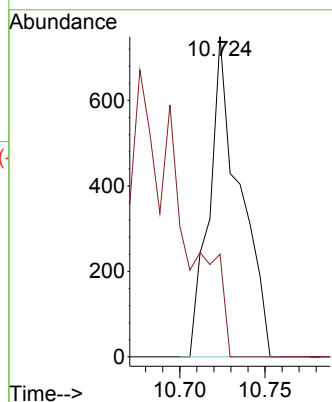
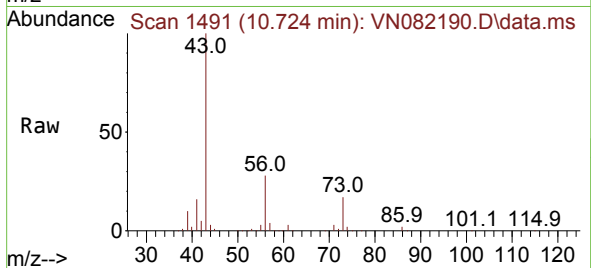




#53
 t-1,3-Dichloropropene
 Concen: 0.262 ug/l
 RT: 10.724 min Scan# 1491
 Delta R.T. -0.112 min
 Lab File: VN082190.D
 Acq: 17 May 2024 19:46

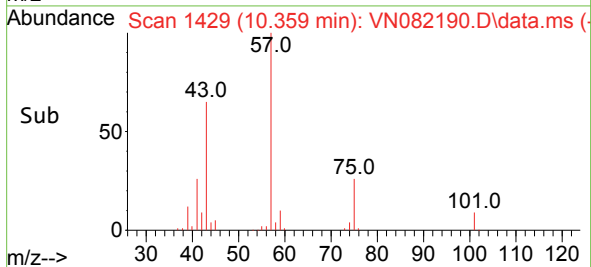
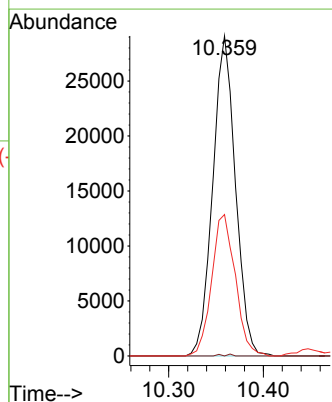
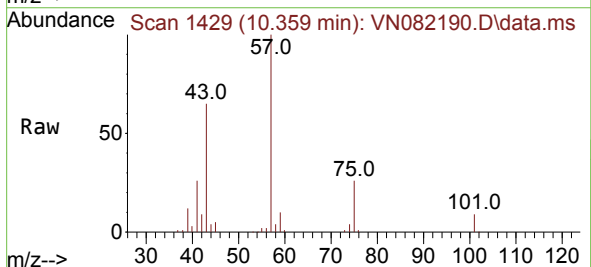
Instrument :
 MSVOA_N
 ClientSampleId :
 PB160967ZHE#08

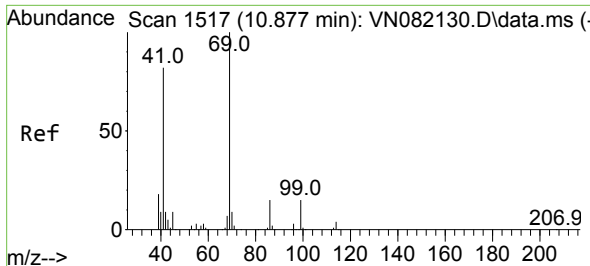
Tgt Ion: 75 Resp: 934
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 12.816 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082190.D
 Acq: 17 May 2024 19:46

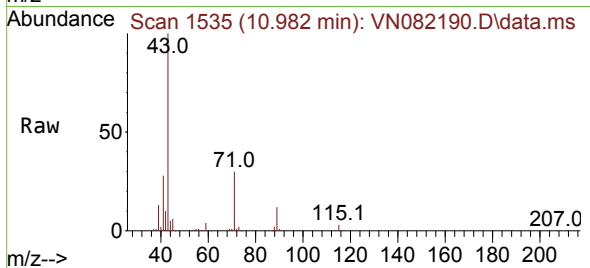
Tgt Ion: 75 Resp: 48422
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 44.2 34.8 52.2



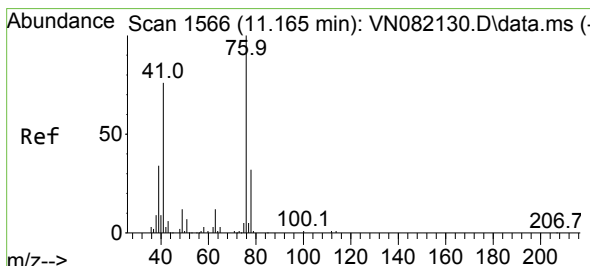
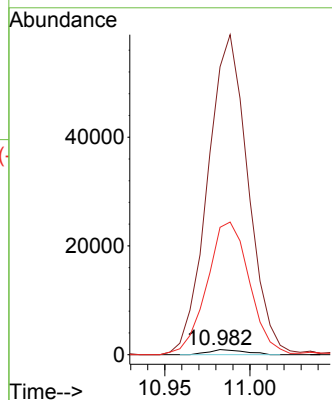
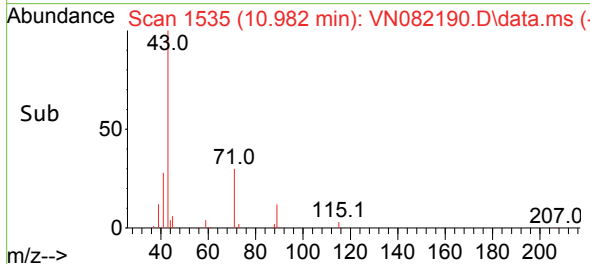


#56
Ethyl methacrylate
Concen: 0.390 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN082190.D
Acq: 17 May 2024 19:46

Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#08

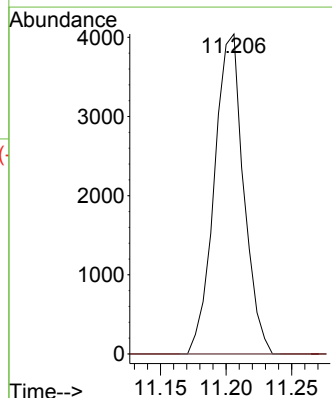
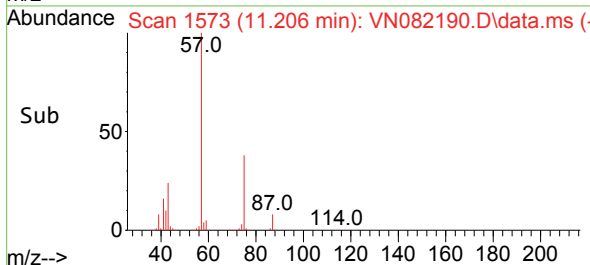
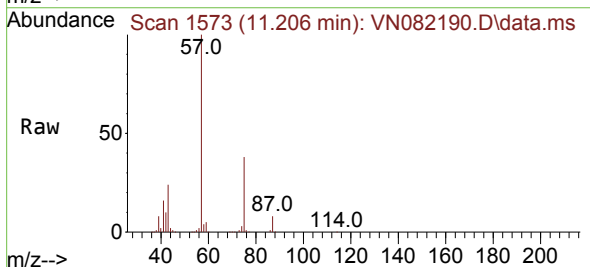


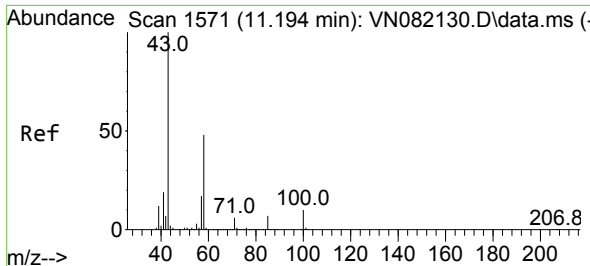
Tgt Ion: 69 Resp: 1393
Ion Ratio Lower Upper
69 100
41 6996.2 46.6 70.0#
39 3045.9 26.5 39.7#



#57
1,3-Dichloropropane
Concen: 1.597 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082190.D
Acq: 17 May 2024 19:46

Tgt Ion: 76 Resp: 6284
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

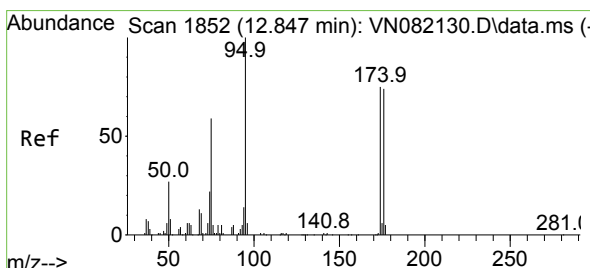
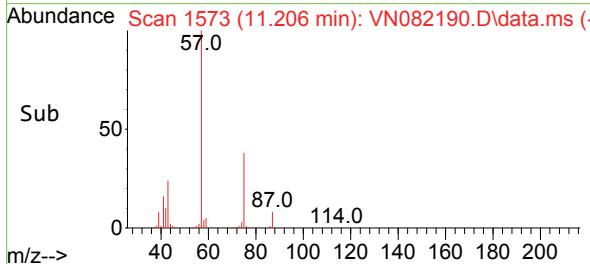
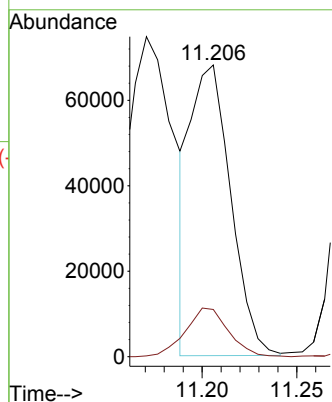
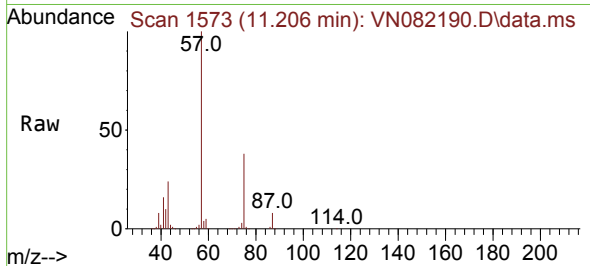




#59
2-Hexanone
Concen: 37.750 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN082190.D
Acq: 17 May 2024 19:46

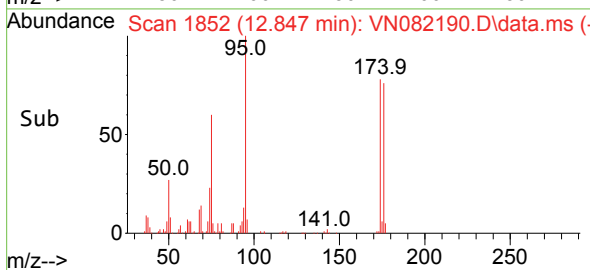
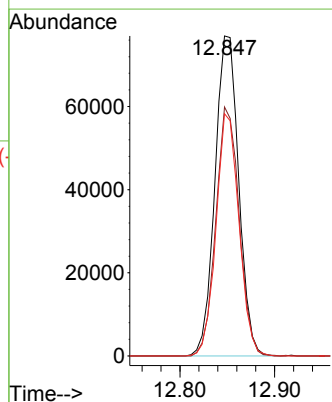
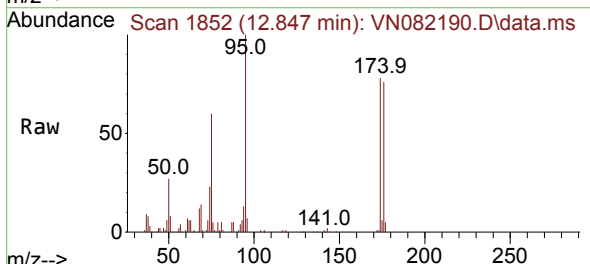
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#08

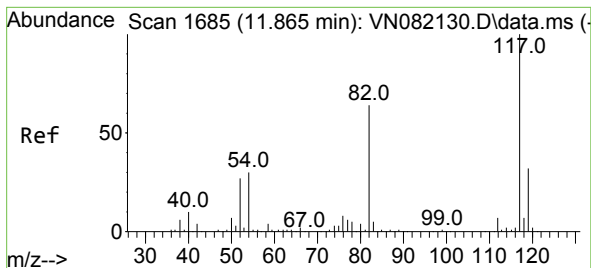
Tgt Ion: 43 Resp: 100790
Ion Ratio Lower Upper
43 100
58 18.0 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 50.734 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN082190.D
Acq: 17 May 2024 19:46

Tgt Ion: 95 Resp: 133968
Ion Ratio Lower Upper
95 100
174 76.6 0.0 160.6
176 73.1 0.0 152.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN082190.D

Acq: 17 May 2024 19:46

Instrument :

MSVOA_N

ClientSampleId :

PB160967ZHE#08

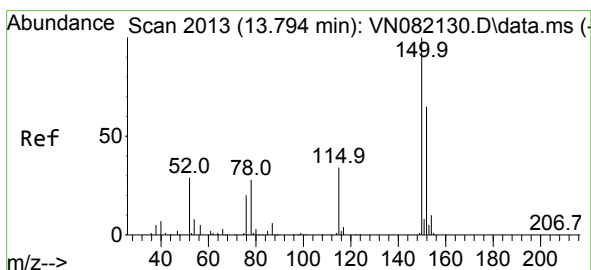
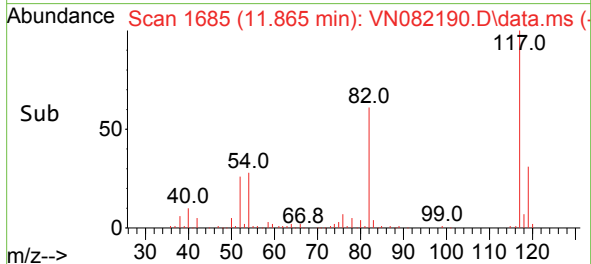
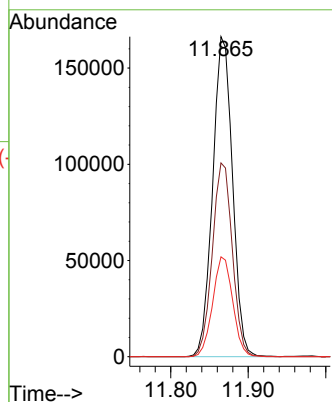
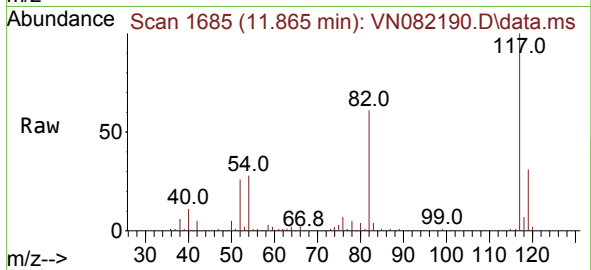
Tgt Ion:117 Resp: 296120

Ion Ratio Lower Upper

117 100

82 60.6 44.6 66.8

119 31.2 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: VN082190.D

Acq: 17 May 2024 19:46

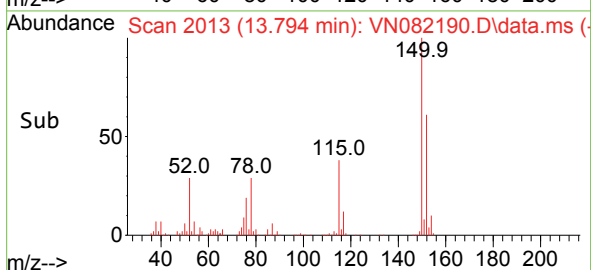
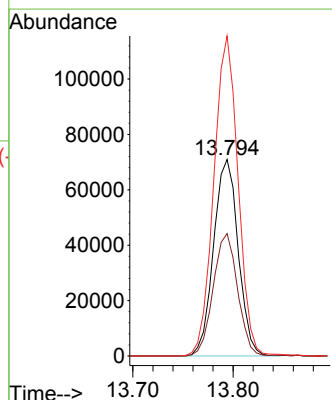
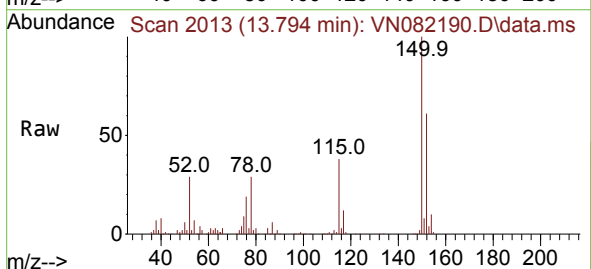
Tgt Ion:152 Resp: 121014

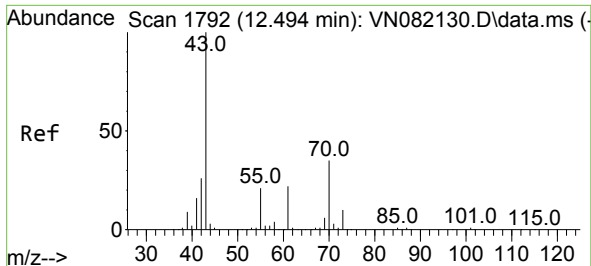
Ion Ratio Lower Upper

152 100

115 61.8 30.4 91.3

150 160.3 0.0 353.2

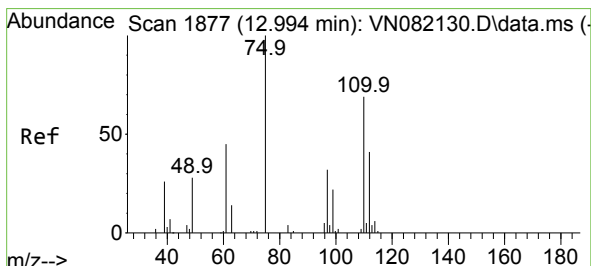
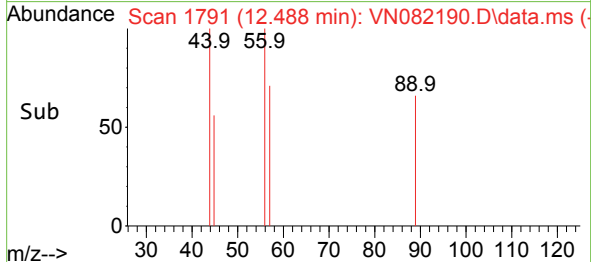
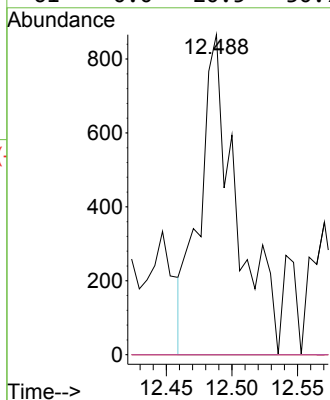
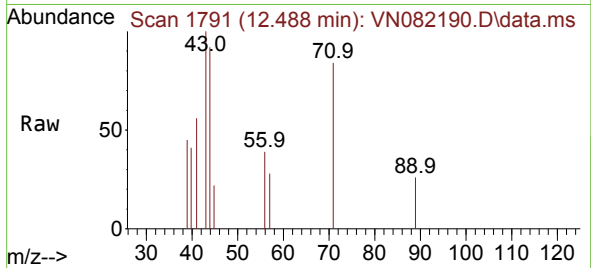




#74
N-amy1 acetate
Concen: 0.320 ug/l
RT: 12.488 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN082190.D
Acq: 17 May 2024 19:46

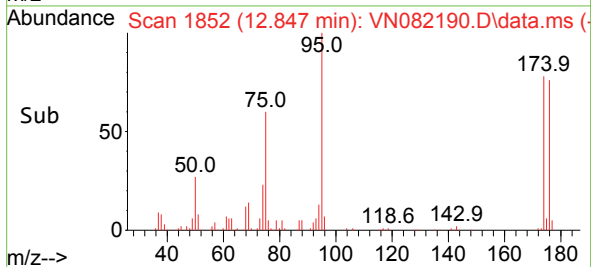
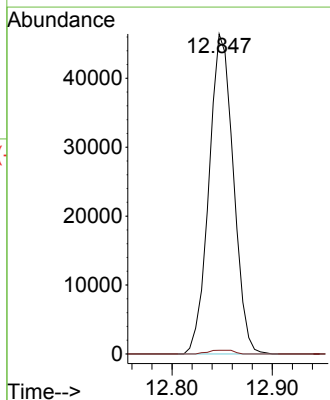
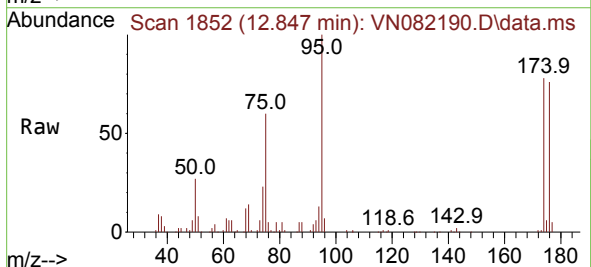
Instrument :
MSVOA_N
ClientSampleId :
PB160967ZHE#08

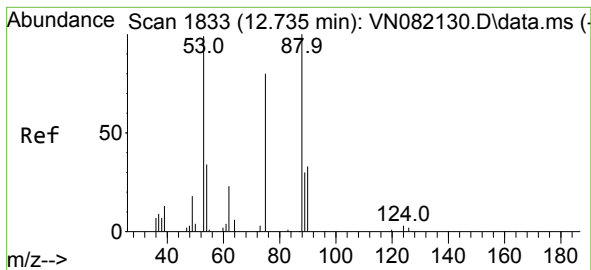
Tgt Ion:	43	Resp:	1691
Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.0	58.4#
55	0.0	21.3	31.9#
61	0.0	20.5	30.7#



#76
1,2,3-Trichloropropane
Concen: 30.807 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082190.D
Acq: 17 May 2024 19:46

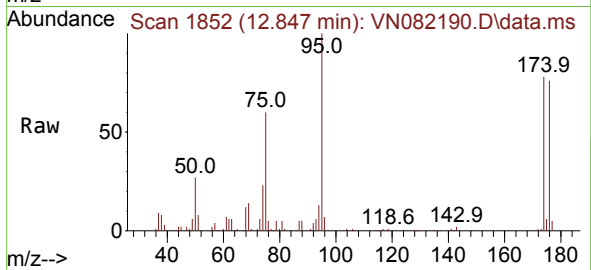
Tgt Ion:	75	Resp:	78467
Ion	Ratio	Lower	Upper
75	100		
77	1.2	90.5	271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.056 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN082190.D
 Acq: 17 May 2024 19:46

Instrument :
 MSVOA_N
 ClientSampleId :
 PB160967ZHE#08



Tgt Ion: 75 Resp: 78467
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.9 109.3#
 89 0.0 39.1 58.7#

